

SCHEDULE 5

CONSTRUCTION AND END OF TERM REQUIREMENTS

Part 5

Construction Drawings

**Construction Drawings
Listed in Annex 1 and Annex 2
to Part 5 of Schedule 5 of the Concession Agreement**



**BRITISH
COLUMBIA**

Ministry of Transportation

Project No. 09901 - STS3

Sea-To-Sky Highway Improvement Project
DBFO - Horseshoe Bay To Whistler

STRUCTURAL DRAWINGS



S2S TRANSPORTATION
GROUP

DRAWING INDEX - STRUCTURAL DRAWINGS

- DB00**
- 42DD-DB00-0000 COVER SHEET
 - 42DD-DB00-0001 DRAWING LIST
 - 42DD-DB00-0002 LEGEND
 - 42DD-DB00-0003 KEY PLAN
 - 42DD-DB00-9001 GENERAL STRUCTURAL NOTES
 - 42DD-DB00-9002 PARAPET REPLACEMENTS
 - 42DD-DB00-9003 STEEL BICYCLE RAILING
 - 42DD-DB00-9004 SPARE
 - 42DD-DB00-9005 SPARE
 - 42DD-DB00-9006 TYPICAL MSE WALL ON FILL/SOIL
 - 42DD-DB00-9007 TYPICAL MSE WALL ON ROCK
 - 42DD-DB00-9008 TYPICAL MSE WALL ON FILL C/W STARTER WALL
 - 42DD-DB00-9009 TYPICAL MSE WALL ON ROCK C/W STARTER WALL
 - 42DD-DB00-9010 MSE-CF AND TEMPORARY WALLS
 - 44DK-DB00-9001 PLANTING PLAN - EAGLE RIDGE
 - 44DK-DB00-9002 PLANTING PLAN - COMMUNITY PREMIUM - BASE LEVEL
 - 44DK-DB00-9003 PLANTING PLAN - COMMUNITY PREMIUM - ENHANCED LEVEL
 - 44DK-DB00-9004 PLANTING PLAN - URBAN PREMIUM - BASE LEVEL
 - 44DK-DB00-9005 PLANTING PLAN - URBAN PREMIUM - ENHANCED LEVEL

- DB01**
- 42DD-DB01-0201 EAGLE BLUFF STRUCTURE - C.A.
 - 42DD-DB01-0202 EAGLE BLUFF STRUCTURE - DETAILS
 - 42DD-DB01-0301 STRUCTURE #2 - C.A. SH 1
 - 42DD-DB01-0302 STRUCTURE #2 - C.A. SH 2
 - 42DD-DB01-0303 STRUCTURE #2 - RETAINING WALL 102
 - 42DD-DB01-0304 STRUCTURE #2 - RETAINING WALL 103
 - 42DD-DB01-0305 STRUCTURE #2 - RETAINING WALL 995
 - 42DD-DB01-0401 STRUCTURE #3 - C.A.
 - 42DD-DB01-0402 STRUCTURE #3 - DETAILS
 - 42DD-DB01-0403 STRUCTURE #3 RETAINING WALLS - SH 1
 - 42DD-DB01-0404 STRUCTURE #3 RETAINING WALLS - SH 2
 - 42DD-DB01-0501 LARSEN CREEK STRUCTURE - C.A. SH 1
 - 42DD-DB01-0502 LARSEN CREEK STRUCTURE - C.A. SH 2
 - 42DD-DB01-0501 STRUCTURE #5 C.A.

- DB03**
- 42DD-DB03-0301 MAGNESIA CREEK BRIDGE No. 1452 - C.A.
 - 42DD-DB03-0401 M CREEK BRIDGE No. 1453 - C.A.
 - 42DD-DB03-0501 KELVIN GROVE OVERPASS C.A.
 - 42DD-DB03-0601 BRUNSWICK BEACH OVERPASS C.A.
 - 42DD-DB03-5001 GENERAL ARRANGEMENT - STA.110+640 TO 110+900
 - 42DD-DB03-5011 GENERAL ARRANGEMENT - STA.113+240 TO 113+500
 - 42DD-DB03-5013 GENERAL ARRANGEMENT - STA.113+760 TO 114+020
 - 42DD-DB03-9001 TYPICAL DETAILS MSE WALLS WITH CONC PANELS & SOIL NAILS

- DB04**
- 42DD-DB04-0201 LOGGERS CREEK BRIDGE EAST No. 1454 - C.A.
 - 42DD-DB04-0301 DEEKS CREEK BRIDGE No. 1451 - C.A.
 - 42DD-DB04-5025 GENERAL ARRANGEMENT - STA.120+640 TO 120+900
 - 42DD-DB04-9001 TYPICAL ABUTMENT TYPE 1 - GENERAL ARRANGEMENT
 - 42DD-DB04-9008 TYPICAL BENTS - STA. 120+600 AND STA. 120+740

- DB05**
- 42DD-DB05-0101 FURRY CREEK EAST BRIDGE No. 1465E - C.A.
 - 42DD-DB05-0102 FURRY CREEK NORTH BRIDGE No. 1465W - C.A.
 - 42DD-DB05-5011 GENERAL ARRANGEMENT - STA.124+600 TO 124+880
 - 42DD-DB05-5015 GENERAL ARRANGEMENT - STA.125+640 TO 125+880

- DB06**
- 42DD-DB06-0101 BRITANNIA CREEK BRIDGE - C.A.

- DB07**
- 42DD-DB07-0101 GONZALES CREEK BRIDGE No. 1626 - C.A.
 - 42DD-DB07-0201 SHANNON CREEK BRIDGE No. 1455 - C.A.
 - 42DD-DB07-0203 SHANNON CREEK BRIDGE SIDEWALK REPLACEMENT - C.A.
 - 42DD-DB07-5003 GENERAL ARRANGEMENT - STA.139+360 TO 139+620
 - 42DD-DB07-5005 GENERAL ARRANGEMENT - STA.139+880 TO 140+140

- DB08**
- 42DD-DB08-0301 MAJOUAM BLIND CHANNEL BRIDGE No. 2002 - C.A. SH 1
 - 42DD-DB08-0302 MAJOUAM BLIND CHANNEL BRIDGE No. 2002 - C.A. SH 2
 - 42DD-DB08-0401 MAJOUAM PEDESTRIAN OVERPASS No. 2622 - C.A.
 - 42DD-DB08-0501 MAJOUAM RIVER BRIDGE No. 1029 - C.A. - SH 1
 - 42DD-DB08-0502 MAJOUAM RIVER BRIDGE No. 1029 - C.A. - SH 2
 - 42DD-DB08-0601 CARIBALDI PEDESTRIAN OVERPASS - SH 1
 - 42DD-DB08-0602 CARIBALDI PEDESTRIAN OVERPASS - SH 2

- DB12**
- 42DD-DB12-0101 RUBBLE CREEK BRIDGE No. 7388 - C.A.
 - 42DD-DB12-0201 CHEAKAMUS BRIDGE EAST No. 2283 - C.A. SH 1
 - 42DD-DB12-0202 CHEAKAMUS BRIDGE EAST No. 2283 - C.A. SH 2
 - 42DD-DB12-0301 DMSY LAKE BRIDGE EAST No. 2214 - C.A.

- DB13**
- 42DD-DB13-0101 BC RAIL OVERHEAD NO. 1 C.A. SH 1
 - 42DD-DB13-0102 BC RAIL OVERHEAD NO. 1 C.A. SH 2
 - 42DD-DB13-0201 BRANDYWINE CREEK BRIDGE No. 7375 - C.A.
 - 42DD-DB13-0301 CALLAGHAN CREEK BRIDGE EAST No. 2519 - C.A.
 - 42DD-DB13-0401 BC RAIL OVERHEAD NO. 2 C.A. SH 1
 - 42DD-DB13-0402 BC RAIL OVERHEAD NO. 2 C.A. SH 2

LIGHTING DRAWINGS

- DB00**
- 47DD-DB00-9017 CONDUIT INSTALLATION TYPICAL BRIDGE DETAILS VARIOUS LOCATIONS

- DB03**
- 47DD-DB03-0001 LIGHTING INSTALLATION - SITE PLAN - ELEVATIONS ROUTE 99 AT BRUNSWICK BEACH ROAD

- DB08**
- 47DD-DB08-0004 TRAFFIC SIGNAL AND LIGHTING INSTALLATION SITE PLAN - ROUTE 99 AT CENTENNIAL WAY
 - 47DD-DB08-0005 TRAFFIC SIGNAL AND LIGHTING INSTALLATION SITE PLAN ENLARGEMENT - ROUTE 99 AT CENTENNIAL WAY
 - 47DD-DB08-0006 TRAFFIC SIGNAL AND LIGHTING INSTALLATION ELEVATIONS - DETAILS - ROUTE 99 AT CENTENNIAL WAY
 - 47DD-DB08-0007 LIGHTING INSTALLATION - SITE PLAN - ELEVATIONS RIGHT-IN/RIGHT-OUT VARIOUS LOCATIONS
 - 47DD-DB08-0011 LIGHTING INSTALLATION - SITE PLAN - ELEVATIONS TYPICAL CONTINUOUS LIGHTING LIGHTING INSTALLATION - SITE PLAN - ELEVATIONS
 - 47DD-DB08-0012 TYPICAL CONTINUOUS LIGHTING

- DB12**
- 47DD-DB12-0001 LIGHTING AND MESSAGE SIGN INSTALLATION SITE PLAN - CHANGE CREEK FOREST SERVICE ROAD BRIDGE DECK LIGHTING
 - 47DD-DB12-0002 SITE PLAN - VARIOUS LOCATIONS

STS PLUS

DB04


HIGHWAY DRAWINGS

- 41DD-DB04-0001 KEY MAP & TITLE
- 41DD-DB04-0002 SUPPLEMENTARY LEGEND
- 41DD-DB04-0101 PLAN STA 114+140.000 TO STA 114+900.000
- 41DD-DB04-0102 PLAN STA 114+900.000 TO STA 115+650.000
- 41DD-DB04-0103 PLAN STA 115+650.000 TO STA 116+400.000
- 41DD-DB04-0104 PLAN STA 116+400.000 TO STA 117+150.000
- 41DD-DB04-0105 PLAN STA 117+150.000 TO STA 117+900.000
- 41DD-DB04-0106 PLAN STA 117+900.000 TO STA 118+650.000
- 41DD-DB04-0107 PLAN STA 118+650.000 TO STA 119+400.000
- 41DD-DB04-0108 PLAN STA 119+400.000 TO STA 120+150.000
- 41DD-DB04-0109 PLAN STA 120+150.000 TO STA 120+900.000
- 41DD-DB04-0110 PLAN STA 120+900.000 TO STA 121+650.000
- 41DD-DB04-0111 PLAN STA 121+650.000 TO STA 122+400.000
- 41DD-DB04-0112 PLAN STA 122+400.000 TO STA 123+150.000
- 41DD-DB04-0113 PLAN STA 123+150.000 TO STA 123+900.000
- 41DD-DB04-0114 PLAN STA 123+900.000 TO STA 124+000.000
- 41DD-DB04-0201 PROFILE STA 114+140.000 TO STA 115+500.000
- 41DD-DB04-0202 PROFILE STA 115+500.000 TO STA 116+900.000
- 41DD-DB04-0203 PROFILE STA 116+900.000 TO STA 118+300.000
- 41DD-DB04-0204 PROFILE STA 118+300.000 TO STA 119+700.000
- 41DD-DB04-0205 PROFILE STA 119+700.000 TO STA 121+100.000
- 41DD-DB04-0206 PROFILE STA 121+100.000 TO STA 122+200.000
- 41DD-DB04-0207 PROFILE STA 122+200.000 TO STA 123+400.000
- 41DD-DB04-0208 PROFILE STA 123+400.000 TO STA 124+000.000
- 41DD-DB04-0209 PROFILE - T ROAD STA 20+000.000 TO STA 20+056.100
- 41DD-DB04-0301 TYPICAL SECTIONS
- 41DD-DB04-0401 GEOMETRICS AND LANING STA 114+140.000 TO STA 114+900.000
- 41DD-DB04-0402 GEOMETRICS AND LANING STA 114+900.000 TO STA 115+650.000
- 41DD-DB04-0403 GEOMETRICS AND LANING STA 115+650.000 TO STA 116+400.000
- 41DD-DB04-0404 GEOMETRICS AND LANING STA 116+400.000 TO STA 117+150.000
- 41DD-DB04-0405 GEOMETRICS AND LANING STA 117+150.000 TO STA 117+900.000
- 41DD-DB04-0406 GEOMETRICS AND LANING STA 117+900.000 TO STA 118+650.000
- 41DD-DB04-0407 GEOMETRICS AND LANING STA 118+650.000 TO STA 119+400.000
- 41DD-DB04-0408 GEOMETRICS AND LANING STA 119+400.000 TO STA 120+150.000
- 41DD-DB04-0409 GEOMETRICS AND LANING STA 120+150.000 TO STA 120+900.000
- 41DD-DB04-0410 GEOMETRICS AND LANING STA 120+900.000 TO STA 121+650.000
- 41DD-DB04-0411 GEOMETRICS AND LANING STA 121+650.000 TO STA 122+400.000
- 41DD-DB04-0412 GEOMETRICS AND LANING STA 122+400.000 TO STA 123+150.000
- 41DD-DB04-0413 GEOMETRICS AND LANING STA 123+150.000 TO STA 123+900.000
- 41DD-DB04-0414 GEOMETRICS AND LANING STA 123+900.000 TO STA 124+000.000


STRUCTURAL DRAWINGS

- 42DD-DB04-0201 LOGGERS CREEK BRIDGE EAST - GENERAL ARRANGEMENT
- 42DD-DB04-0301 DEEKS CREEK BRIDGE EAST - GENERAL ARRANGEMENT
- 42DD-DB04-9001 DB4 TYPICAL ABUTMENT TYPE-1 GENERAL ARRANGEMENT
- 42DD-DB04-9002 DB4 TYPICAL ABUTMENT TYPE-2 GENERAL ARRANGEMENT
- 42DD-DB04-9003 DB4 TYPICAL ABUTMENT TYPE-3 GENERAL ARRANGEMENT
- 42DD-DB04-9004 DB4 TYPICAL ABUTMENT TYPE-4 GENERAL ARRANGEMENT
- 42DD-DB04-9005 DB4 TYPICAL ABUTMENT TYPE-5 GENERAL ARRANGEMENT
- 42DD-DB04-9006 TYPICAL BENTS
- 42DD-DB04-9007 DB4 TYPICAL COLUMN FOUNDATIONS GENERAL ARRANGEMENT
- 42DD-DB04-9008 TYPICAL BENTS STA.120+600 AND 120+740

DWG. No.	Description	Rev.	Date	Description	Signature
PA 05/01/10	ISSUED FOR PROPOSAL SUBMISSION				



S2S TRANSPORTATION GROUP



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER


DB00
HORSESHOE BAY TO WHISTLER
DRAWING LIST - VOLUME 2


DESIGNED: MT DATE SEP 04

CHECKED: TW DATE SEP 04

DRAWN: MT DATE SEP 04

APPROVED: DATE

Project Managers:  Hatch Mott MacDonald

Design Consultant:  Hatch Mott MacDonald

PREPARED UNDER THE DIRECTION OF

SENIOR DESIGN ENGINEER

DATE

DRAWING NO.

FILE No. **214753-EN10-H**

PROJECT No. **09901-STS3**

REVISION **1**

DRAWING No. **42DD-DB00-0001 PA**

DATE PLOTTED: 01/11/2010 10:58:11 AM

LEGEND

EXISTING

AERIAL UTILITIES

Deadman	⊕
Anchor / Guy Wire	—
High Tension Pole	—
High Tension Tower	—
Power Guy Pole	—
Power Pole	—
Power Pole with Transformer	—
Power / phone with Transformer	—
Power / Phone Pole	—
Telephone Pole	—
Telephone Guy Pole	—
Pedestal (B.C. Tel.)	—
Telephone Booth	—
Power / Phone Guy Pole	—

SURVEY

Bench Mark	x
Standard Iron Pin	⊕
Lead Plug	⊕
Wooden Post	⊕
Witness Post	⊕
Reference Point	⊕
Monument	⊕
Aluminum Post	⊕
Angle Iron	⊕
Standard Brass Cap	⊕
Concrete Post	⊕
Dominion Iron Pin	⊕
Unmarked Measured Point	⊕
Rock Post	⊕
Round Iron Post	⊕
Square Iron Post	⊕
Detail Hub (etc.)	⊕
Test Hole	⊕
Test Pit	⊕
Spot Elevation	⊕

DETAIL

Concrete Pillar	⊕
Guard Post	⊕
Piling	⊕
Gate Post	⊕
Road Sign	⊕
Well	⊕
Tree	⊕
Decorative Tree	⊕
Delineator Post	⊕
Flag Pole	⊕
Mail Box	⊕
Commercial Message Sign	⊕

EXISTING

DRAINAGE

Catch Basin / Manhole	■
Culvert Outlet	—
Culvert Inlet	—
Drainage Grate	■
Manhole (Existing)	●
Catch Basin (Existing)	■
Culvert Kink	·

METERS

Service Meter	⊕
Water Meter	⊕
Valve	⊕
Water Valve	⊕
Fire Hydrant	⊕
Gas Valve	⊕

UNDERGROUND

Filler Cap	⊕
Fuel / Gas Pump	⊕
Fuel Tank	⊕
Septic Tank	⊕
Underground Marker	⊕
Breather / Vent Pipe	⊕

ELECTRICAL

Traffic Signal Control Box	⊕
Electrical Outlet	⊕
Junction Box	⊕
Kiosk	⊕
Lamp Standard	⊕
Traffic Signal	⊕
Traffic Counter	⊕
Utility Pole	⊕

PROPOSED

DRAINAGE

Catch Basin	■
Manhole	●
Asphalt Spillway	■
Splash Pad in Cut	■
Splash Pad in Fill	■
Ditch Inlet Structure	■
Cleanout	■
Riprap Outfall Apron	■

EXISTING

LEGAL LINETYPES

International Bdy.	—
Section/District Bdy.	—
Parcel Boundary/Old Road R/W	—
Quarter Section	—
Easement	—

MAN MADE FEATURES LINETYPES

Centerline Road	—
Edge of Pavement	—
Concrete Barrier	—
Dirt Road/Driveway	—
Fence	—
Gravel Road/Driveway	—
Hedge/Bush/Tree Line	—
Railway	—
Retaining Wall	—
Guard Rail	—
Paint Lines - Solid	—
- Dashed	—

UNDERGROUND UTILITIES LINETYPES

Gas Main	—
Oil	—
Sanitary Sewer Line	—
Storm/Sewer Drain	—
Electrical Cable	—
Miscellaneous	—
Telephone Cable	—
Water Main	—
Culvert	—

OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
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HYDRAULIC LINETYPES

Creek/Ditch/Stream	—
Edge of Water	—

PROPOSED

LEGAL LINETYPES

Highway Right of Way	—
Easement	—

CONSTRUCTION DETAILS LINETYPES

Berm	—
Clearing and Grubbing	—
Stripping	—

SURFACE DETAIL LINETYPES

Centerline Alignment	—
Edge of Pavement	—
Retaining Wall	—
Concrete Barrier	—
Slope Toes	—
Ditch/Swale	—
Fence	—
Point Lines - Solid	—
- Dashed	—
Curb Line	—

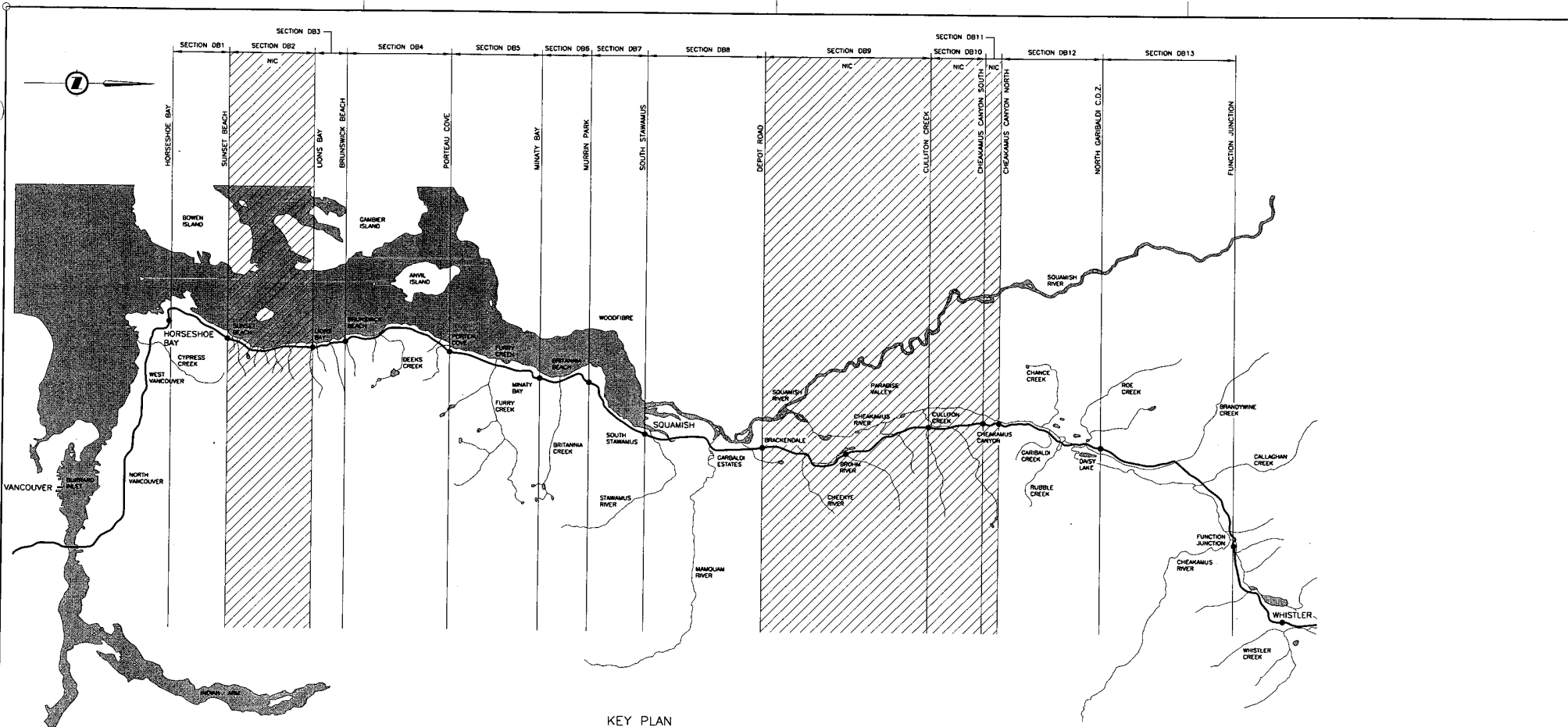
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Gas Main	—
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OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
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<p>SCALE N/A</p>	<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>													
	<p>DBFO - HORSESHOE BAY TO WHISTLER LEGEND HORSESHOE BAY TO WHISTLER</p>													
<p>DESIGNED: MT, DATE: SEP 04 CHECKED: JM, DATE: SEP 04 DRAWN: MT, DATE: SEP 04 APPROVED: DATE:</p>	<p>Project Managers Hatch Mott MacDonald</p>	<p>Design Consultant Hatch Mott MacDonald</p>												
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<p>REFERENCE DRAWINGS</p>	<p>REVISIONS</p>	<p>FILE No. 214753-EN10-H PROJECT No. 09901-ST53 RECORD 1 DRAWING No. 42DD-DB00-0002/PA</p>												



KEY PLAN

DESIGNED: <i>MT</i> DATE: <i>SEP 04</i> CHECKED: <i>JM</i> DATE: <i>SEP 04</i> DRAWN: <i>MT</i> DATE: <i>SEP 04</i> APPROVED: _____ DATE: _____		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER DBO HORSESHOE BAY TO WHISTLER KEY PLAN																																								
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Hatch Mott MacDonald

GENERAL STRUCTURAL NOTES

- GENERAL**
- STRUCTURAL PRELIMINARY DESIGNS HEREIN ARE BASED ON PROJECT DESIGN DATA PROVIDED BY THE PROVINCE OF BRITISH COLUMBIA. SPECIFIC CONFIRMATION OF TOPOGRAPHY AND DIGITAL TERRAIN MODELS HAS NOT BEEN UNDERTAKEN.
- PRELIMINARY DESIGNS HAVE BEEN PREPARED IN SUPPORT OF BID PRICING AND FOR COMPLIANCE WITH THE SEA TO SKY HIGHWAY IMPROVEMENT PROJECT SUBMITTAL REQUIREMENTS AND ARE NOT COMPREHENSIVE OR COMPLETE.
- DESIGN SPECIFICATIONS AND DESIGN LOADS
 DESIGN SPECIFICATION: CAN/CSA-S6-00
 DESIGN LIVE LOAD: CL-625
 LIVE LOAD IMPACT FACTOR: AS PER CAN/CSA-S6-00
 DEAD LOAD INCLUDES 100mm THICK WEARING SURFACE
 FATIGUE DESIGN: CLASS A HIGHWAY ADTT
- SEISMIC DESIGN:
 ZONAL ACCELERATION RATIO: A

SECTION	PGA
HORSESHOE BAY TO PORTEAU COVE	0.19
PORTEAU COVE TO URBAN SQUAMISH	0.16
URBAN SQUAMISH TO CHEAKAMUS CANYON	0.15
NORTH OF CHEAKAMUS CANYON	0.11

- BRIDGE CLASSIFICATION: OTHER BRIDGE
- BRIDGE BARRIER CLASSIFICATION: PL-2
- DESIGN LIFE:
 NEW STRUCTURES: 75 YEARS
 REHABILITATED STRUCTURES: 50 YEARS
 CORROSION AND TIME-RELATED DURABILITY CALCULATIONS TO BE BASED ON 100 YEAR DURATION.
- CLIMATIC INFORMATION:
 DESIGN TEMP. RANGE: Max 29C & Min -13C
 HOURLY WIND: 1/10= 0.39
 1/30= 0.50
- BELOW GROUND STEEL CORROSION RATES (RFP VOLUME 3, 2.1.2.7)
 GALVANIZATION LOSS: 15 MICROMETRES/YEAR FIRST 2 YEARS
 4 MICROMETRES/YEAR FOR SUBSEQUENT YEARS
 CARBON STEEL LOSS: 12 MICROMETRES/YEAR AFTER ZINC DEPLETION
- GENERAL NOTES SUPERSEDE SPECIFIC STRUCTURAL DRAWING NOTES WHERE THERE ARE DIFFERENCES.

MATERIAL

- CONCRETE**
- PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD A5, TYPE 10, WITH CSA CONTENT BETWEEN 4 AND 10%
- CONCRETE SHALL CONFORM TO CAN/CSA-A23.1-M94

LOCATION	CLASS	28 DAYS STRENGTH	MAX W/C RATIO	COMMENT
SUBSTRUCTURE	C1	35MPa	40%	MAX 25% FLY ASH
DECK AND PARAPETS	C1	40MPa	38%	7.5% SILICA FUME
PRECAST GIRDERS	C1	40MPa	38%	MAX 10% FLY ASH
BOX GIRDER SHEAR KEYS	C1	40MPa	35%	MAX 12mm AGGREG

- CONCRETE COVER TO REINFORCEMENT TO BE AS FOLLOWS (mm):
 SURFACES CAST AGAINST EARTH: 100
 FOOTINGS, ABUTMENTS EXPOSED TO EARTH: 70
 COLUMNS, CROSSHEAD: 60
 DECK SLABS: 70
 TOP SOFFITS: 50
 OTHER SURFACES NOT SPECIFIED ABOVE: 70
 BARS LARGER THAN 35M: 1.5 Db
 RATIO OF COVER TO MAX. NOMINAL AGGREGATE SIZE: 1.5
- ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 20mm U.N.O.
- FORMED CONCRETE SURFACES TO HAVE THE FOLLOWING FINISHES IN ACCORDANCE WITH CAN/CSA-A23.1-M90:
 ROUGH FORM - FOR SURFACES NOT EXPOSED TO PUBLIC VIEW
 SMOOTH FORM - FOR SURFACES EXPOSED TO PUBLIC VIEW
 RUBBED FINISH - WHERE A UNIFORM TEXTURE AND APPEARANCE IS REQUIRED
- CONCRETE DECK SURFACES TO HAVE THE FOLLOWING FINISHES IN ACCORDANCE WITH CAN/CSA-A23.1-M90:
 BROOM FINISH - DECKS WITHOUT ASPHALT OVERLAY
 SMOOTH TROWEL FINISH - DECKS REQUIRED ASPHALT OVERLAY
- CONCRETE DECK SHALL BE MOIST CURED FOR A MINIMUM OF SEVEN DAYS BY:
 FOG CURED AS SOON AS THE SURFACE HAS BEEN STRUCK OFF
 MOIST CURED BY CONTINUOUS SPRINKLING AND ABSORPTIVE MAT OR FABRIC APPLIED AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT SURFACE DAMAGE
- EPOXY BONDING AGENT SHALL MEET THE REQUIREMENTS OF ASTM 881, TYPE II, GRADE 2 AND APPROPRIATE CLASS FOR THE SITE TEMPERATURE.
- ROUGHENED CONCRETE SURFACES SHALL BE WET ABRASIVE BLAST CLEANED TO SOUND CONCRETE IN ACCORDANCE WITH ASTM STANDARD D 4259 TO A MINIMUM PROFILE 6mm.
- REINFORCING STEEL**
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CAN/CSA-G30.18-M92 GRADE 400R, EXCEPT REINFORCING STEEL INDICATED ON THE DRAWINGS AS 'MW' SHALL BE GRADE 400W.
- WELDING OF REINFORCING STEEL, GRADE 400W, SHALL BE IN ACCORDANCE WITH CSA STANDARD W186-M1990.
- REINFORCING STEEL WITHIN 100mm OF DECK SURFACE, ALL PARAPET STEEL AND REINFORCING STEEL INDICATED ON THE DRAWINGS AS 'ME' SHALL BE EPOXY COATED TO THE REQUIREMENTS OF ASTM A775.
- SPlicing OF TRANSVERSE DECK REINFORCING BARS, OTHER THAN AT LOCATIONS SHOWN ON THE DRAWINGS, IS NOT PERMITTED. LONGITUDINAL BAR SPLICES ARE TO BE STAGGERED SO THAT NOT MORE THAN EVERY THIRD BAR IS SPLICED AT ANY CROSS SECTION OF THE DECK.
- LAP SPLICES OF REINFORCING BARS SHALL BE AS FOLLOWS (mm) U.N.O.

BAR SIZE	UNCOATED		EPOXY COATED	
	TOP	BARS	TOP	BARS
10M	320	420	380	380
15M	480	620	570	570
20M	640	840	760	760
25M	980	1290	1490	1490
30M	1190	1550	1780	1780
35M	1390	1800	2080	2080

- SPLICE LENGTHS ASSUME CLASS B TENSION SPLICES, f_c = 35 MPa, AND MINIMUM STIRRUPS OR SLABS WITH CLEAR SPACING BETWEEN BARS NOT LESS THAN 2 Di.
- WELDED DEFORMED STEEL WIRE FABRIC SHALL CONFORM TO CSA STANDARD G30.15-M1983 WITH A MINIMUM YIELD OF 485 MPa.
- MECHANICAL COUPLERS SHALL CONFORM TO CAN/CSA-S6 CLAUSE 8.4.4.4
- PRE STRESSING STRAND SHALL CONFORM TO CSA STANDARD G279-M1982, LOW-RELAXATION, GRADE 1860.
- ROCK / SOIL ANCHORS AND NAILS**
- THREAD BARS SHALL BE HOT ROLLED THREAD BAR CONFORM TO AN/CSA-30.18-M92, GRADE 512/590 MPa.
- ANCHOR GROUT TO BE MICROSI ANCHOR GROUT BY OCEAN, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 50 MPa, IN ACCORDANCE WITH CSA A23.2
- ANCHOR SHALL BE 35M THREAD BAR WITH DOUBLE CORROSION PROTECTION U.N.O.

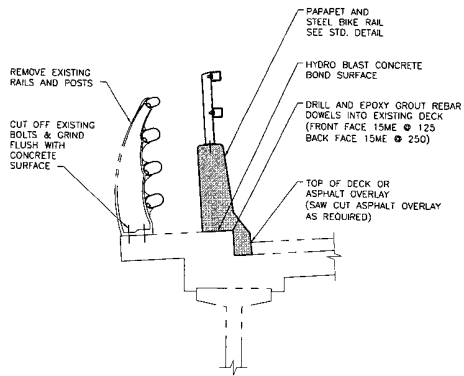
- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40.20-M92, GRADE 350AT CLASS 3, FOR PLATE, GRADE 350W FOR ROLLED SECTIONS AND GRADE 350W, CLASS H FOR HOLLOW SECTIONS.
- ALL WELDING SHALL CONFORM TO CSA STANDARD W59-M1988, INCLUDING CLAUSE 12, AND WITH A MINIMUM WELD SIZE OF 5mm.
- SHEAR CONNECTORS SHALL CONFORM TO ASTM STANDARD A108, GRADES 1015, 1018 OR 1020, WITH A MINIMUM TENSILE STRENGTH OF 413 MPa. SHEAR CONNECTORS SHALL BE 22 DIA. X 150 LONG U.N.O.
- ALL BOLTS SHALL BE HIGH STRENGTH STRUCTURAL BOLTS CONFORMING TO ASTM A325, TYPE 3 FOR AT STEEL AND TYPE 1, HOT DIPPED GALVANIZED, FOR ALL OTHERS. BOLTS SHALL BE 22 DIA., WITH THREADS EXCLUDED FROM THE SHEAR PLANE, U.N.O.
- FLAT COUNTERSUNK CAP SCREWS (SFHCS) SHALL CONFORM TO ASTM STANDARD F835.
- STEEL GIRDERS WITHIN 3000 OF EXPANSION JOINTS AND ABUTMENT SHALL BE COATED (SEE NOTE 8.1)
- STEEL CONNECTIONS**
- THE SUB CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL STRUCTURAL STEEL CONNECTIONS FOR THE SPECIFIED MEMBER LOADS OR 75% OF THE MEMBER CAPACITY.
- MISCELLANEOUS STEEL**
- STEEL PIPE PILES TO CONFORM TO A.S.T.M. SPECIFICATION A252, GRADE 3 (FY = 310 MPa) AND FABRICATED WITH FULL PENETRATION BUTT WELDS.
- H-PILES TO CONFORM TO C.S.A. SPECIFICATION G40.21M GRADE 300W
- MISCELLANEOUS STEEL SHALL CONFORM TO CAN/CSA-G40.21-M92, GRADE 300W.
- WELDING OF MISCELLANEOUS STEEL SHALL CONFORM TO CSA STANDARD W59-M1988, INCLUDING CLAUSE 11, WITH A MINIMUM WELD SIZE OF 5mm.
- ALL MISCELLANEOUS STEEL SHALL BE HOT DIPPED GALVANIZED TO CAN/CSA-G164-M92.
- ALL STAINLESS STEEL, DESIGNATED AS SS, SHALL CONFORM TO ASTM STANDARD A167, TYPE 316.
- ANCHOR BOLTS SHALL CONFORM TO ASTM STANDARD A307, HOT DIPPED GALVANIZED.
- COATINGS**
- WHEN COATING IS SPECIFIED STEEL SURFACES SHALL BE BLAST CLEANED TO SSPC-SP10 NEAR WHITE METAL BLAST, TO A 50 µm PROFILE, AND PAINTED WITH A THREE COAT PAINT SYSTEM AS FOLLOWS: (MOT SSI)
 PRIME AND STIRP: ZINC RICH PRIMER 60 TO 70 µm
 MIDCOAT: HIGH PERFORMANCE EPOXY 125 TO 150 µm
 TOPCOAT: ALIPHATIC POLYURETHANE 40 TO 50 µm
- DECK CONSTRUCTION**
- PARAPETS TO BE FORMED AND CONCRETE PLACED AFTER ROADWAY SLAB HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 15 MPa.
- DEFLECTION AND DIFFERENCE IN CAMBER WILL BE ACCOMMODATED BY DECK SCREED ELEVATIONS SUPPLIED BY ENGINEER OF RECORD. GIRDER HAUNCH HEIGHTS WILL VARY AS REQUIRED TO MAINTAIN A CONSTANT DECK SLAB THICKNESS BETWEEN STRINGERS.
- MSE WALLS**
- GABION STONE USED BEHIND THE MSE-MF WALL TO BE 100 TO 150 OPEN GRADED ROUNDSTONE OR SHOT ROCK.

Draw. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

		DESIGNED: TM DATE: AUG 04 CHECKED: MS DATE: AUG 04 DRAWN: TJ DATE: AUG 04 APPROVED: DATE:	
SCALE: N/A			
REFERENCE DRAWINGS		REVISIONS	

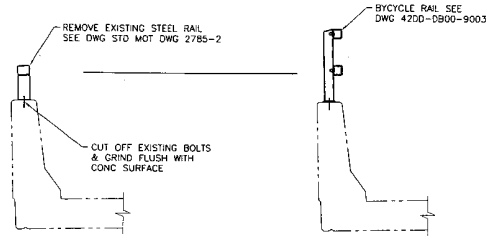
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER DBO GENERAL STRUCTURAL NOTES			
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE:	
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1	DRAWING No. 42DD-DB00-9001 B1

2016/05/01/16



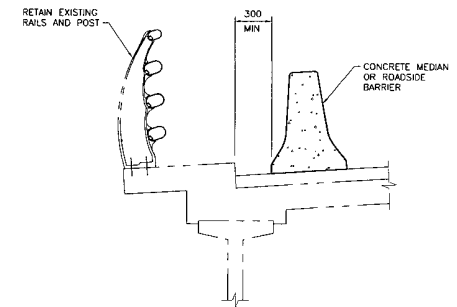
TYPE 1 PARAPET REPLACEMENT

(REPLACE EXISTING ALUMINUM GUARDRAIL WITH STANDARD BRIDGE PARAPET)



TYPE 2 PARAPET REPLACEMENT

(REPLACE EXISTING STEEL RAIL WITH STEEL BICYCLE RAIL)



TYPE 3 PARAPET REPLACEMENT

(CMB/CRB ON EXISTING DECK)

100% CON. FILE NO.

S2S TRANSPORTATION GROUP

SCALE N/A

DESIGNED: IMAZ DATE AUG 04
 CHECKED: AP DATE AUG 04
 DRAWN: PJ DATE AUG 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DBO
 PARAPET REPLACEMENTS

DWG No	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

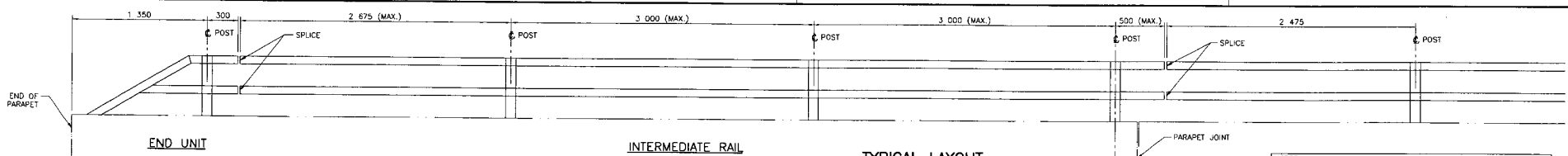
Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

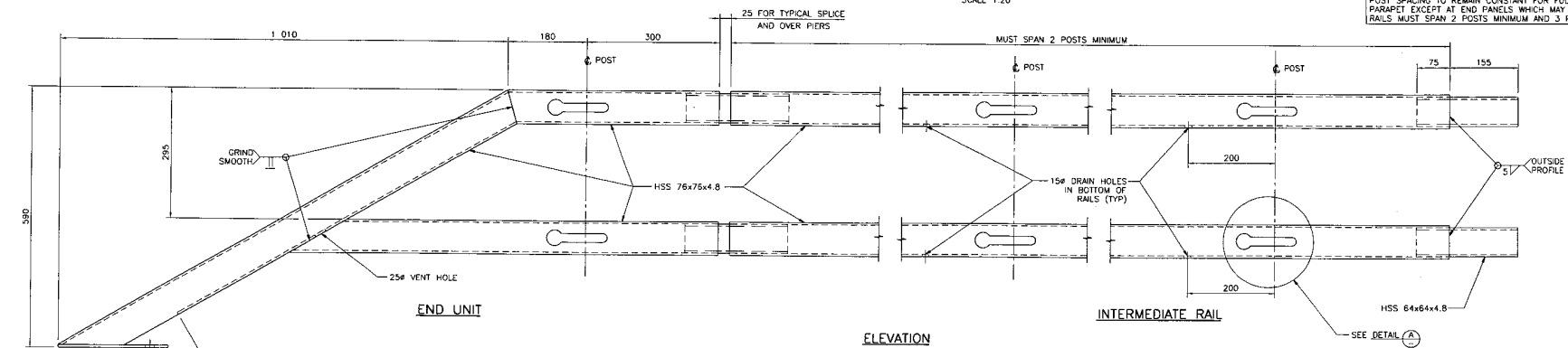
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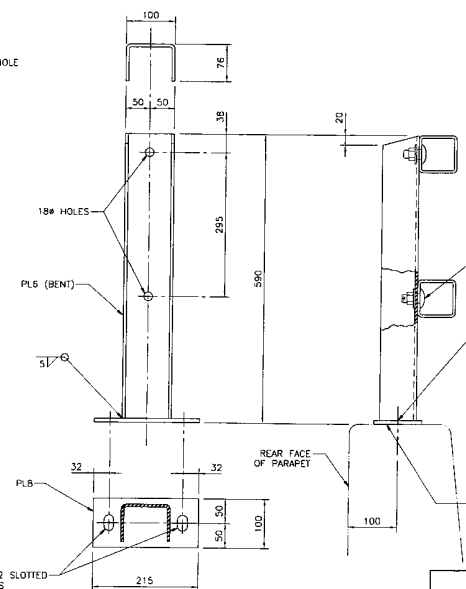
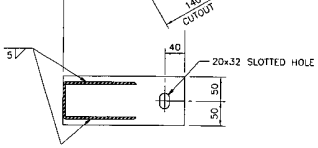
REVISIONS



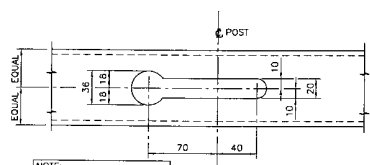
NOTES:
 RAIL LENGTHS AND POST SPACING MAY VARY TO SUIT PARAPET.
 POST SPACING TO REMAIN CONSTANT FOR FULL LENGTH OF PARAPET EXCEPT AT END PANELS WHICH MAY VARY SLIGHTLY.
 RAILS MUST SPAN 2 POSTS MINIMUM AND 3 POSTS WHERE POSSIBLE.



ELEVATION
 SCALE 1:5
DETAIL OF RAILS



DETAIL OF POST
 SCALE 1:5



DETAIL (A)
 SCALE 1:2.5

- NOTES:**
- STEELWORK MATERIAL TO CONFORM TO SPECIFICATIONS AS FOLLOWS:
 (A) HOLLOW STRUCTURAL SECTION - G40.21M 350W CLASS C.
 (B) BOLTS - A.S.15M A325 TYPE 1 GAU.
 (C) PLATES - G40.21M 260W.
 - ALL STEELWORK TO BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH C.S.A. SPECIFICATION G164, INCLUDING TABLE 1.
 - EPOXY TO MEET THE REQUIREMENTS OF ASTM C881 TYPE 1, GRADE 3 FOR LEVELLING COURSE AND TYPE 1, GRADE 1 FOR ANCHOR BOLTS.
 - STAINLESS STEEL TO BE GRADE 307.
 - ON CURVED BRIDGE, RAILINGS TO BE SHOP BENT TO SUIT.

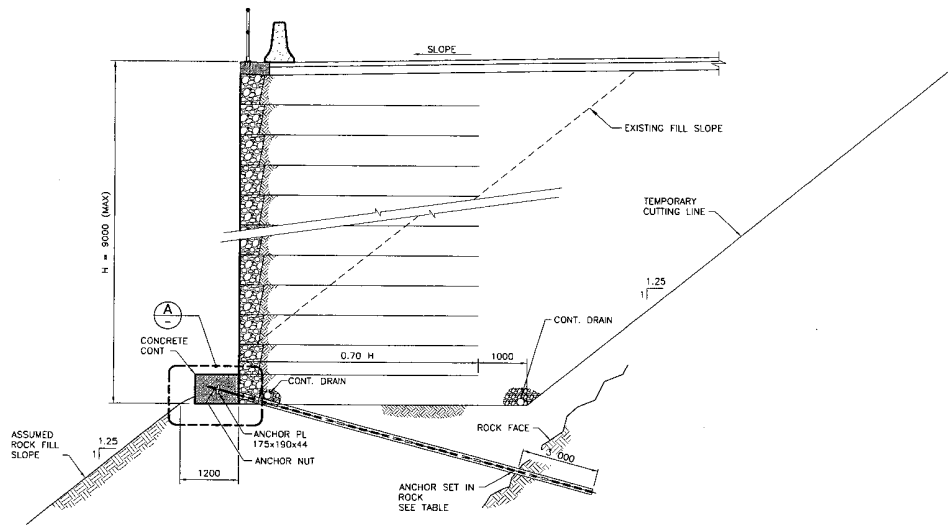
SRS
S2S TRANSPORTATION GROUP
 SCALE AS SHOWN
 DESIGNED: JHM DATE: JUN 04
 CHECKED: DATE:
 DRAWN: DB DATE: JUN 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DBO
 STANDARD BRIDGE PARAPET
 STEEL BICYCLE RAILING
 G.A., SECTIONS, & DETAILS

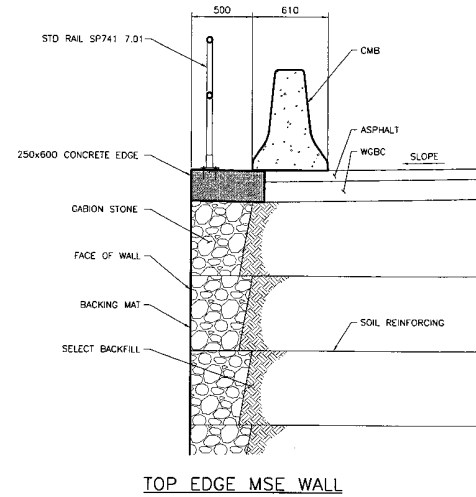
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		BI	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
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 DATE: _____
 DRAWING NO.: **42DD-DB00-9003 B1**

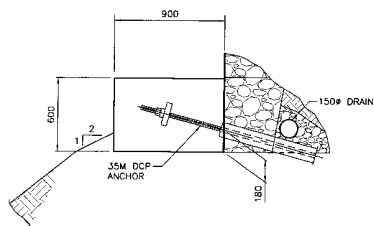
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TYPICAL MSE WALL ON FILL/SOIL



TOP EDGE MSE WALL



DETAIL A
SCALE 1:40

TABLE 9006-1
ANCHOR SPACING (m)

WALL HEIGHT	MSE WALLS ON ON ROCK/FILL SLOPES	MSE WALLS ON OUTWASH OR TILL SLOPES	MEDIAN WALLS ABUTMENTS AND WING WALLS
≤ 3	NONE	NONE	NONE
3.01 TO 4	NONE	NONE	3.0
4.01 TO 5	NONE	NONE	2.5
5.01 TO 6	3.0	3.0	2.2
6.01 TO 7	3.0	2.6	1.9
7.01 TO 8	3.0	2.4	1.7
8.01 TO 9	2.6	2.1	1.5
9.01 TO 10	2.3	1.8	1.3
10.01 TO 11	2.0	1.5	1.1
11.01 TO 12	1.7	1.2	0.9

MSE CONCRETE FACED

525 TRAINING & RESEARCH GROUP

SCALE N/A

DESIGNED: TMR DATE AUG. 04
 CHECKED: JAP DATE AUG. 04
 DRAWN: TB DATE AUG. 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

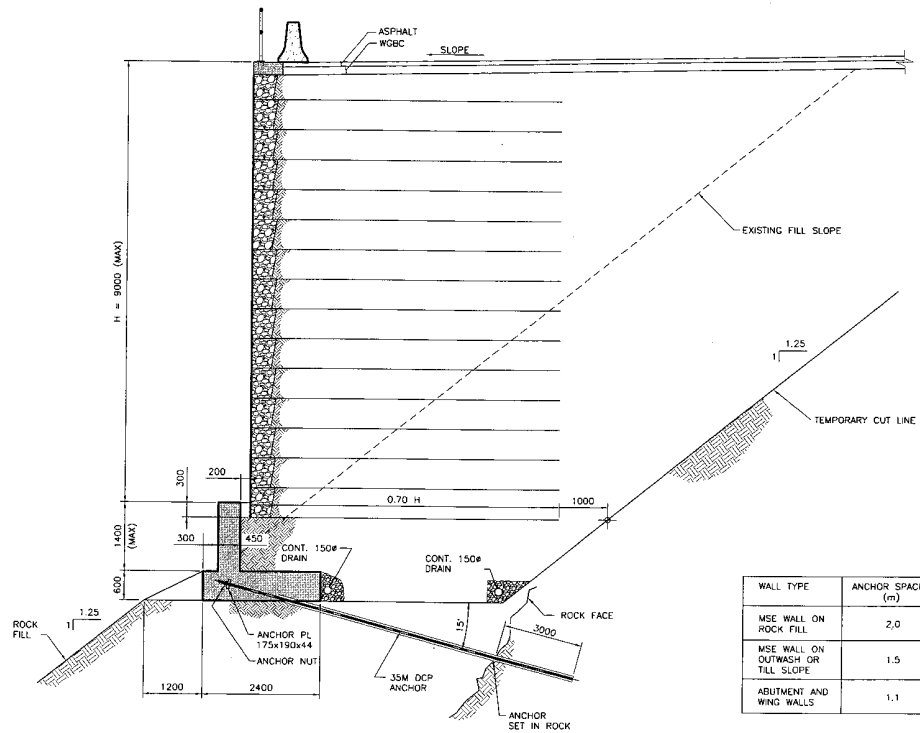
DBFO - HORSESHOE BAY TO WHISTLER
 DBO
 TYPICAL MSE WALL ON FILL/SOIL

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-H
 PROJECT No. 09901-ST53
 REGION 1
 DATE
 DRAWING No. 42DD-DB00-9006 B1

REFERENCE DRAWINGS

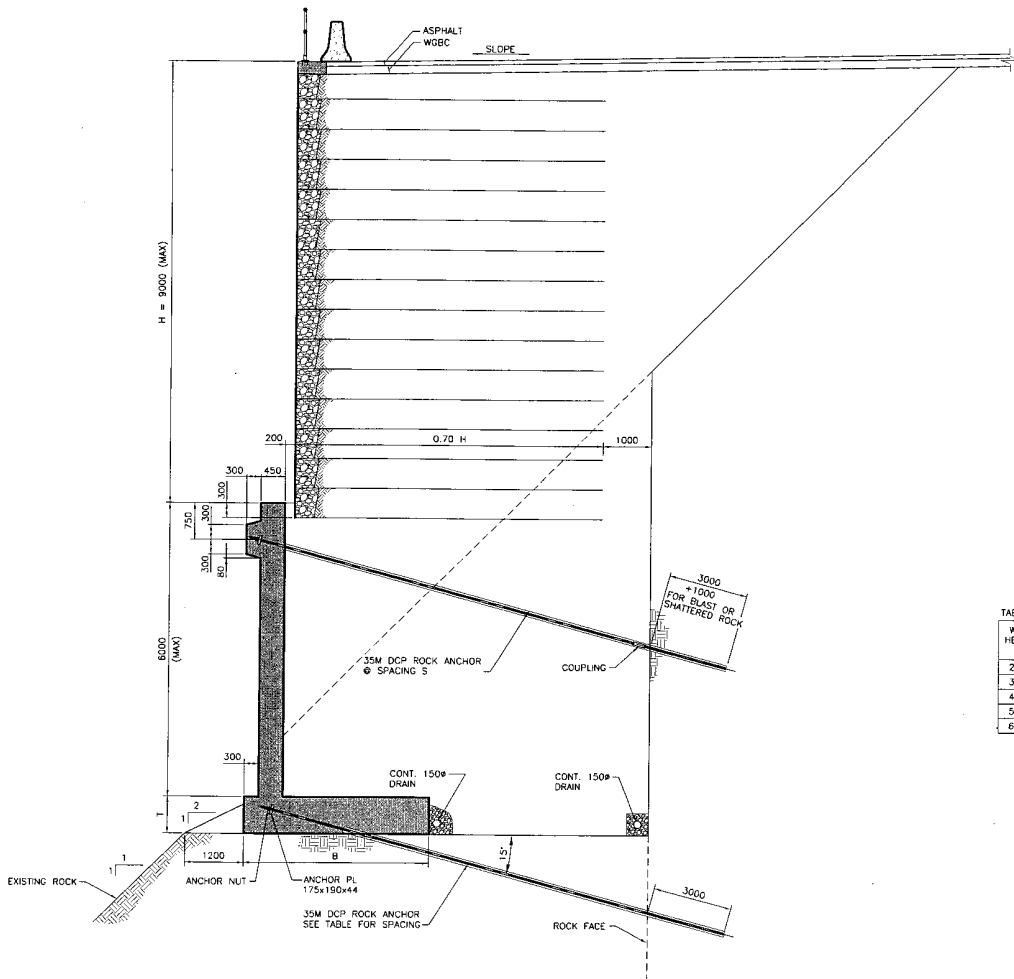
REVISIONS



WALL TYPE	ANCHOR SPACING (m)
MSE WALL ON ROCK FILL	2.0
MSE WALL ON OUTWASH OR TILL SLOPE	1.5
ABUTMENT AND WING WALLS	1.1

TYPICAL MSE WALL ON FILL C/W STARTER WALL

	DESIGNED: TMAP DATE: AUG 04 CHECKED: AP DATE: AUG 04 DRAWN: TB DATE: AUG 04 APPROVED: DATE:		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER DBO TYPICAL MSE WALL ON FILL C/W STARTER WALL																
	SCALE: N/A	Signature:		PREPARED UNDER THE DIRECTION OF: 															
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DWG. No.	Description	Rev	Date	Description	Signature														
B1	ISSUED FOR PROPOSAL SUBMISSION		05/01/10																
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF																	
		SENIOR DESIGN ENGINEER																	
REFERENCE DRAWINGS	REVISIONS	FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1	DRAWING No. 42DD-DB00-9008 B1																



TABLE

WALL HEIGHT H	B	T	ANCHOR SPACING	
			TOP	BOTTOM
2000	1600	500	1750	N/A
3000	1800	600	1500	4500
4000	2000	700	1250	3750
5000	2400	750	1000	3000
6000	2800	750	1000	3000

TYPICAL MSE WALL ON ROCK C/W STARTER WALL

SZS TRANSPORTATION CONSULTANTS

SCALE N/A

DESIGNED JMM DATE AUG 04
 CHECKED AD DATE AUG 04
 DRAWN TB DATE AUG 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DBO
 TYPICAL MSE WALL ON ROCK
 C/W STARTER WALL

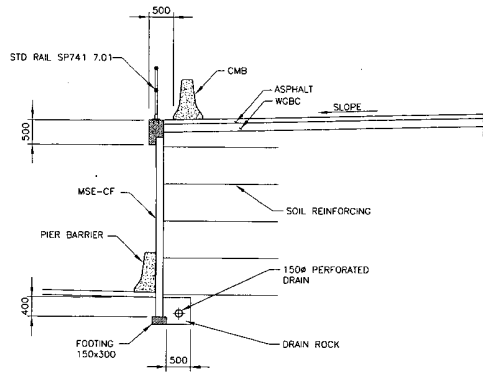
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		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

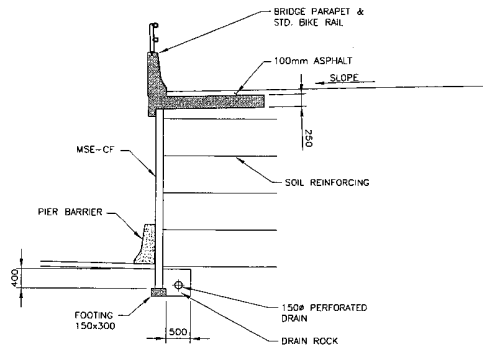
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REFERENCE DRAWINGS REVISIONS

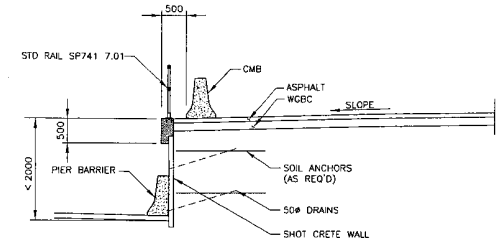
JMM 200 FILE NO.



MSE-CF MEDIAN WALL



**MSE-CF MEDIAN WALL
(MINIMUM SEPERATION)**



**TEMPORARY MEDIAN WALL
(PORTEAU COVE)**

NOTES:

1. FOR GENERAL STRUCTURAL NOTES,
SEE DWG. 4200-0800-9001

S2S TRANSPORTATION GROUP

SCALE: N/A

DESIGNED: JMAH DATE: OCT 04
 CHECKED: CHM DATE: CHA DATE
 DRAWN: GK DATE: OCT 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

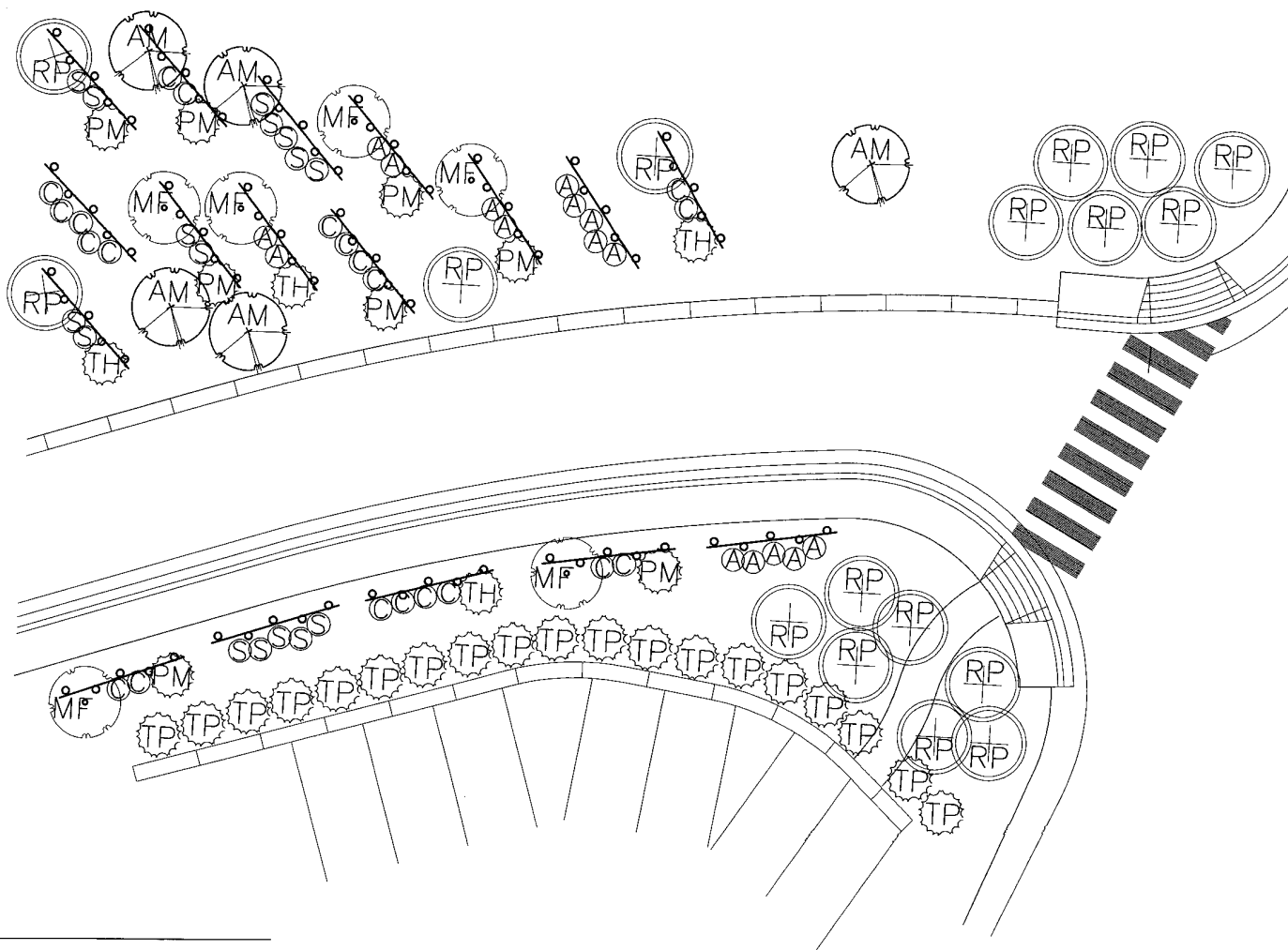
DBFO - HORSESHOE BAY TO WHISTLER
 DBO
 MSE-CF AND TEMPORARY WALLS

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 08901-ST53	DATE 4200-0800-9010
	RECON 1	GRAPHIC No. B1

REFERENCE DRAWINGS

REVISIONS



PLANT LIST

QUANTITY	ABBREV.	LATIN NAME	COMMON NAME	SIZE	SPACING
TREES					
5	AM	<i>Acer macrophyllum</i>	Bigleaf maple	5 cm cal.	as shown
6	MF	<i>Malus fusca</i>	Pacific crab apple	5 cm cal.	as shown
8	PM	<i>Pseudotsuga menziesii</i>	Douglas fir	2.0m height	as shown
17	RP	<i>Rhamnus purshiana</i>	Cascara	5 cm cal.	as shown
19	TP	<i>Thuja plicata</i>	Western redcedar	2.0m height	as shown
4	TH	<i>Tsuga heterophylla</i>	Western hemlock	2.0m height	as shown
SHRUBS					
16	A	<i>Amelanchier alnifolia</i>	Saskatoon	#2 pot	as shown
21	C	<i>Cornus sericea</i>	Red-osier dogwood	#2 pot	as shown
16	S	<i>Symphoricarpos albus</i>	Common snowberry	#2 pot	as shown

S2S TRANSPORTATION GROUP

SCALE N.T.S.

DESIGNED: CBA DATE DEC 04
 CHECKED: JSL DATE DEC 04
 DRAWN: JLM DATE DEC 04
 APPROVED: DATE

Rev Date Description Signature
 PA 05/01/10 ISSUED FOR PROPOSAL SUBMITTAL

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SAMPLE LANDSCAPE
 PLANTING PLAN
 EAGLE RIDGE

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **CATHERINE BERRIS ASSOCIATES INC.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE
 DRAWING No.

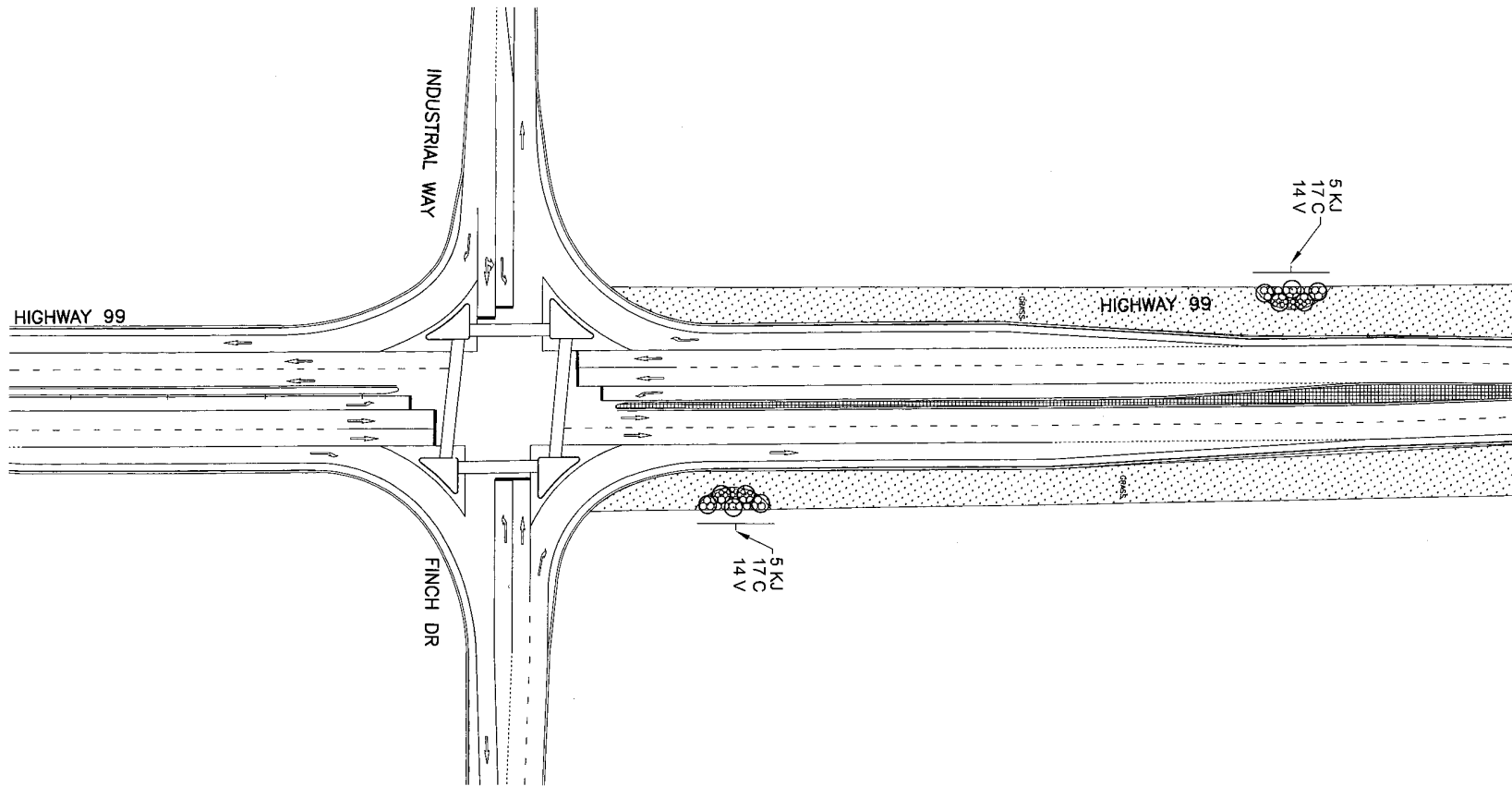
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Rev	Date	Description	Signature

FILE No. 214753-EN10-X
 PROJECT No. 099011-ST53
 REGION 1
 DRAWING No. 44DK-DB00-9001(PA)

REFERENCE DRAWINGS

REVISIONS



PLANT LIST

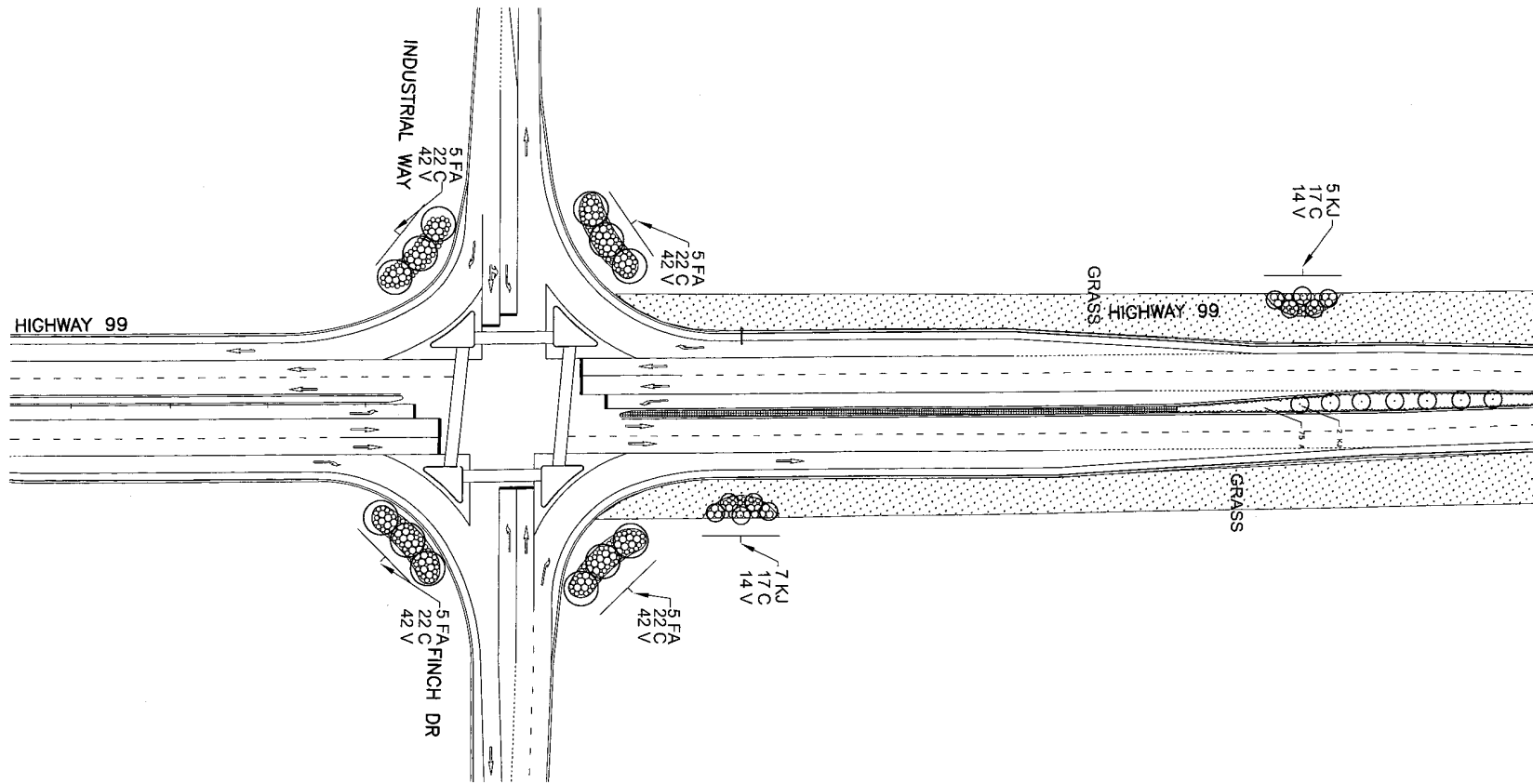
QUANTITY	ABBREV.	LATIN NAME	COMMON NAME	SIZE	SPACING
TREES					
10	KJ	<i>Acer circinatum</i>	Vine Maple	3m ht.	as shown
SHRUBS					
34	C	<i>Cornus sericea</i>	Red-osier dogwood	#2 pot	as shown
28	V	<i>Symphoricarpos albus</i>	Snowberry	#2 pot	as shown

BC TRANS TRANSPORTATION GROUP
 SCALE: NTS
 DESIGNED: CBA DATE: DEC 04
 CHECKED: JGL DATE: DEC 04
 DRAWN: FM DATE: DEC 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 SAMPLE LANDSCAPE
 PLANTING PLAN
 COMMUNITY PREMIUM
 BASE LEVEL

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR PROPOSAL SUBMITTAL		05/01/10		
REFERENCE DRAWINGS					
REVISIONS					

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **CATHERINE BERRIS ASSOCIATES INC.**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No: 214753-EN10-X PROJECT No: 099011-ST53 REGION: 1 DRAWING No: 44DK-DB00-9002/PA



PLANT LIST

QUANTITY	ABBREV.	LATIN NAME	COMMON NAME	SIZE	SPACING
TREES					
20	FA	<i>Fraxinus americana</i>	White ash	7 cm cal.	as shown
12	KJ	<i>Acer circidiphyllum</i>	Vine Maple	3m ht.	as shown
SHRUBS					
75	A	<i>Arctostaphylos uva-ursi</i>	Kinikinick	#1 pot	as shown
122	C	<i>Cornus sericea</i>	Red-osier dogwood	#2 pot	as shown
196	V	<i>Symphoricarpos albus</i>	Snowberry	#2 pot	as shown

DESIGNED: JBA DATE: DEC 04
 CHECKED: JGL DATE: DEC 04
 DRAWN: CM DATE: DEC 04
 APPROVED: DATE:

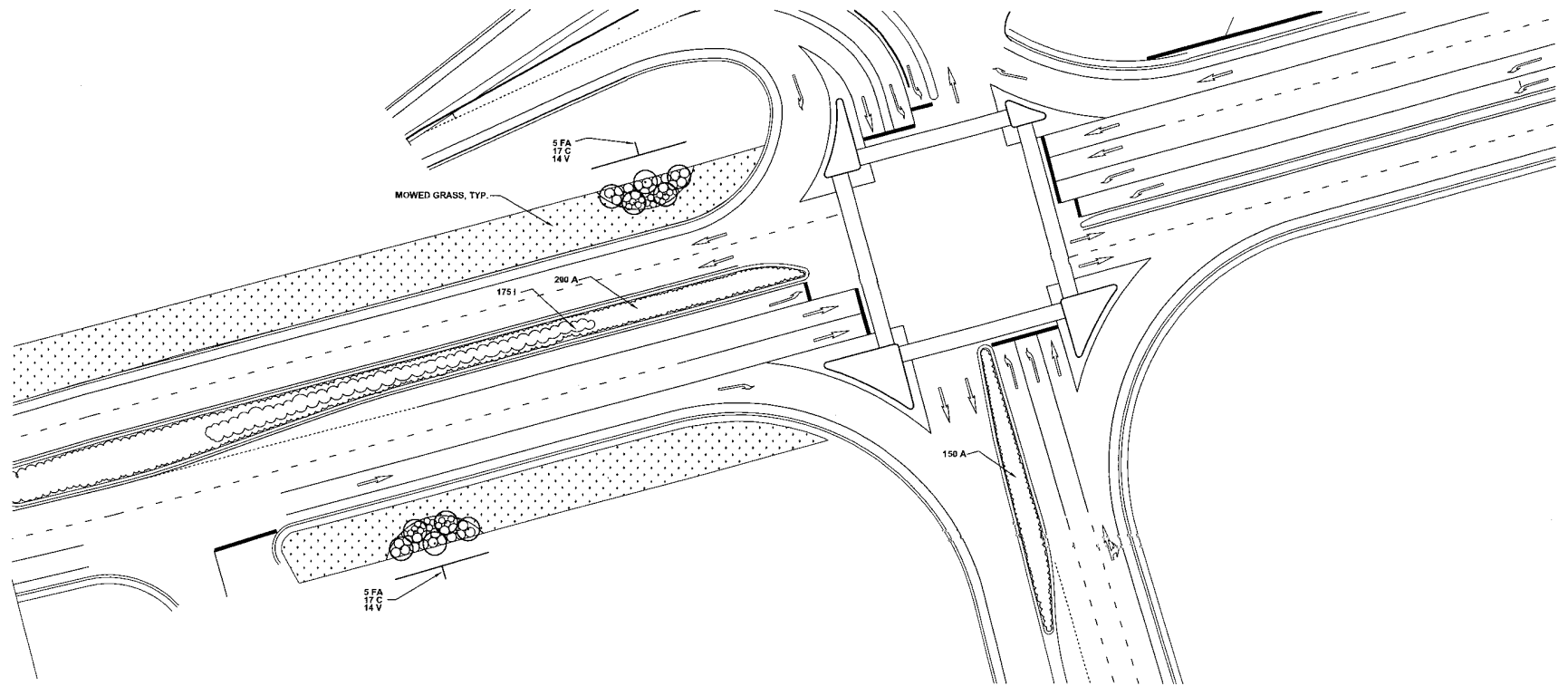
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MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 SAMPLE LANDSCAPE
 PLANTING PLAN
 COMMUNITY PREMIUM
 ENHANCED LEVEL

DWG. No.	Description	Rev.	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL			
REFERENCE DRAWINGS					
REVISIONS					

Project Manager: Hatch Mott MacDonald
 Design Consultant: CATHERINE BERRIS ASSOCIATES INC.
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No.: 214753-EN10-X
 PROJECT No.: 099011-ST53
 REGION: 1
 DRAWING No.: 44DK-DB00-9003/PA

11/11/10



PLANT LIST

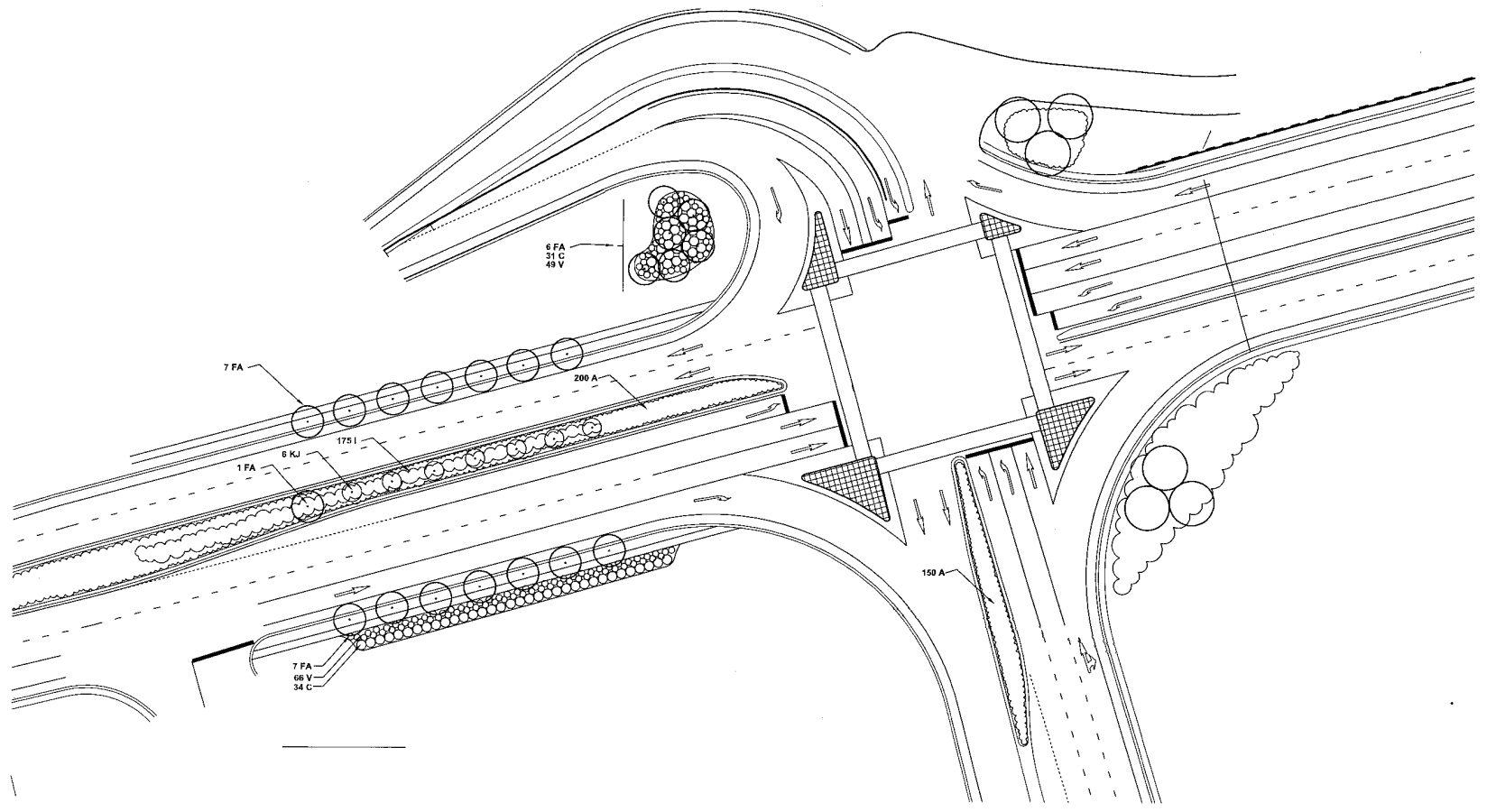
QUANTITY	ABBREV.	LATIN NAME	COMMON NAME	SIZE	SPACING
TREES					
10	FA	Fraxinus americana	White ash	7 cm cal.	as shown
SHRUBS					
34	C	Cornus sericea	Red-osier dogwood	#2 pot	as shown
28	V	Viburnum davidii	David viburnum	#2 pot	as shown
GROUNDCOVER					
175	I	Lavandula angustifolia	Lavender	#1 pot	as shown
350	A	Arctostaphylos uva-ursi	Kinikinick	#1 pot	as shown

 S2S GROUP SCALE: NTS	DESIGNED: JDB DATE: DEC. 04 CHECKED: JGL DATE: DEC. 04 DRAWN: JEM DATE: DEC. 04 APPROVED: DATE:	 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER SAMPLE LANDSCAPE PLANTING PLAN URBAN PREMIUM BASE LEVEL
	PA 05/01/10 ISSUED FOR PROPOSAL SUBMITTAL	Project Managers: Hatch Mott MacDonald Design Consultant: CATHERINE BERRIS ASSOCIATES INC. PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

DWG. No.	Description	Rev.	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS



PLANT LIST

QUANTITY	ABBREV.	LATIN NAME	COMMON NAME	SIZE	SPACING
TREES					
21	FA	<i>Fraxinus americana</i>	White ash	7 cm cal.	as shown
6	KJ	<i>Cercidiphyllum japonica</i>	Katsura	5 cm cal.	as shown
SHRUBS					
65	C	<i>Cornus sericea</i>	Red-osier dogwood	#2 pot	as shown
115	V	<i>Viburnum davidii</i>	David viburnum	#2 pot	as shown
GROUNDCOVER					
175	I	<i>Lavandula angustifolia</i>	Lavender	#1 pot	as shown
350	A	<i>Arctostaphylos uva-ursi</i>	Kinikinick	#1 pot	as shown

S2S TRANSPORTATION GROUP

SCALE: NTS

DESIGNED: JBA DATE: DEC 04
 CHECKED: HSL DATE: DEC 04
 DRAWN: EM DATE: DEC 04
 APPROVED: DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SAMPLE LANDSCAPE
 PLANTING PLAN
 URBAN PREMIUM
 ENHANCED

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **CATHERINE BERRIS ASSOCIATES INC.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 DRAWING NO. _____

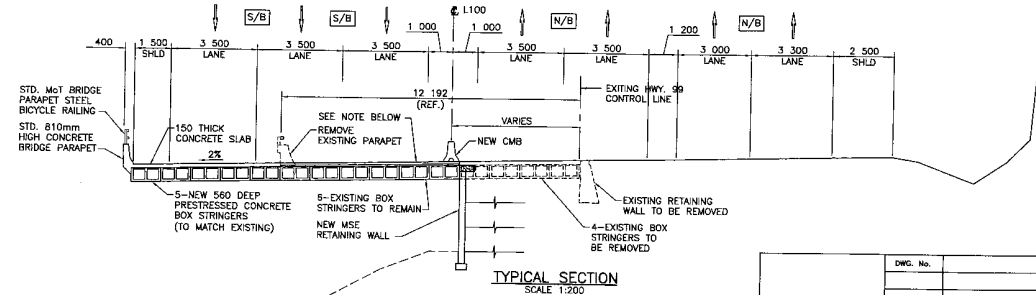
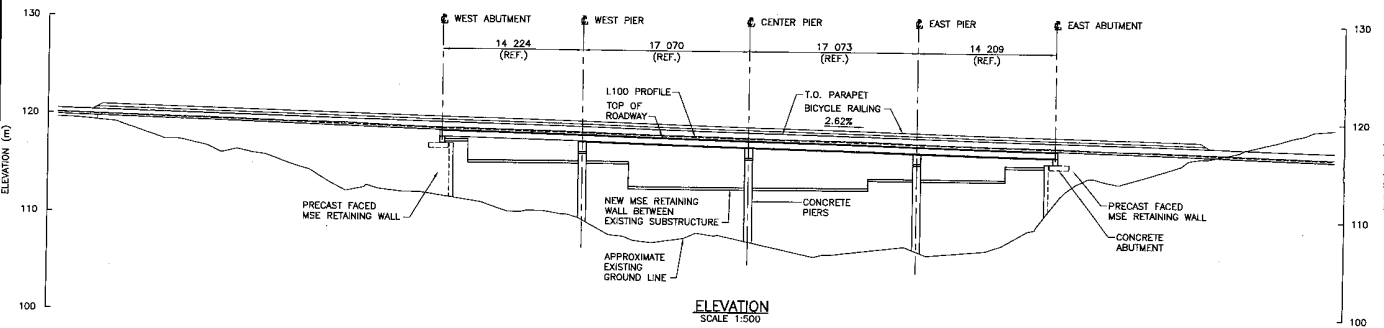
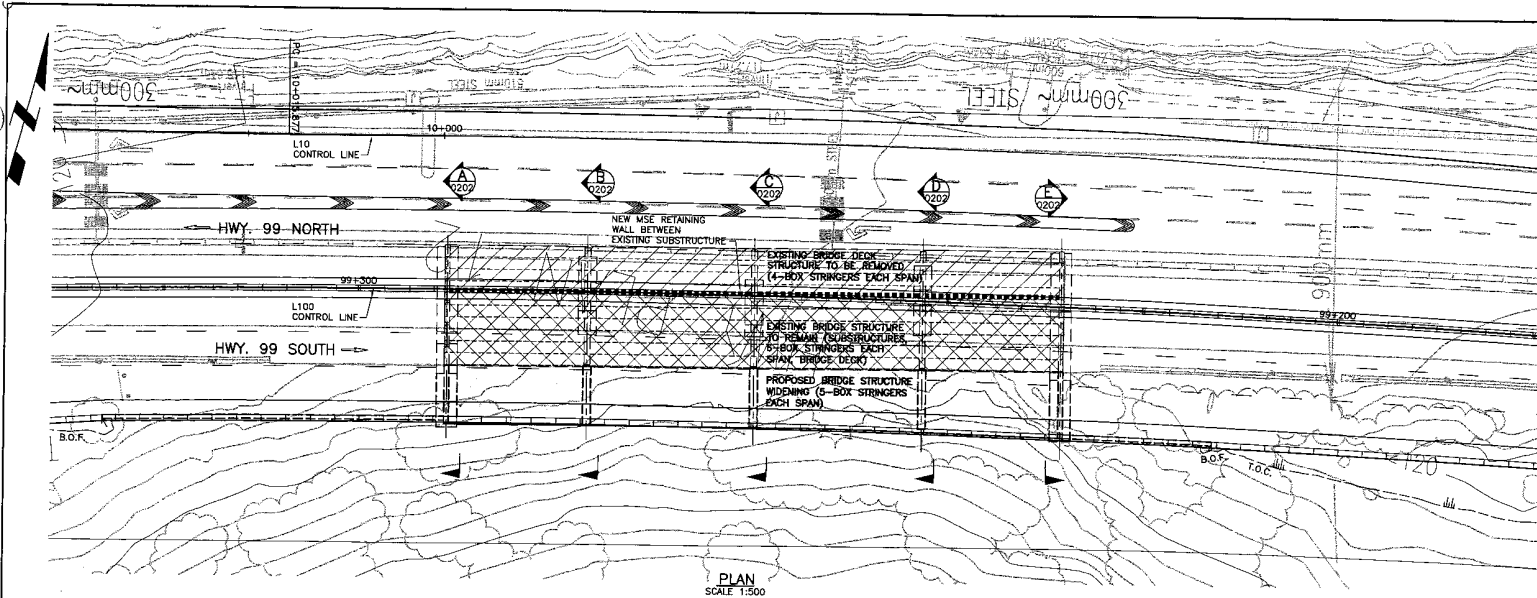
DWG. No.	Description

Rev	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

FILE No. 214753-EN10-X PROJECT No. 099011-ST53 REGION 1 DRAWING No. 44DK-DB00-9005(PA)

REFERENCE DRAWINGS REVISIONS

DWG. DATE FILE NO.



NOTE: REMOVE TOP 40mm OF EXISTING CONCRETE DECK, OVERLAY WITH HIGH PERFORMANCE CONCRETE. TOP OF OVERLAY TO MATCH NEW CONCRETE.

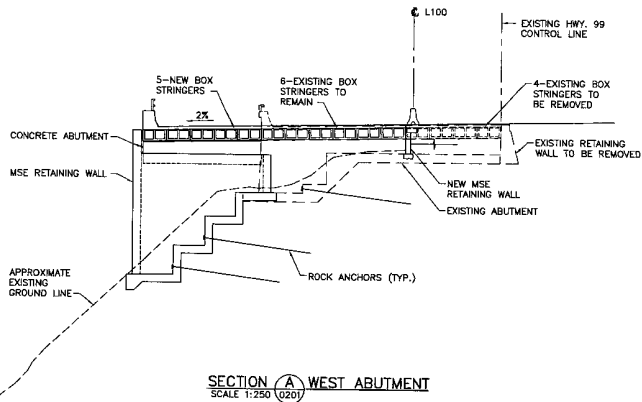
BRIDGE DESIGN NOTES

- DESIGN CODE : CAN/CSA-S8-00
- DESIGN LIVE LOAD : CL-625
- LIVE LOAD IMPACT FACTOR : AS PER CAN/CSA-S8-00
- FATIGUE DESIGN : CLASS A HIGHWAY ADT
- SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.20
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
- DESIGN SPEED : 80 km/h
- BRIDGE BARRIER CLASSIFICATION : PL-2
- DESIGN LIFE :
 - NEW BRIDGE STRUCTURE : 75 YEARS
 - REHABILITATED STRUCTURE : 30 YEARS
- CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -13°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND : 1/30 : 0.38kPa
 - 1/30 : 0.50kPa
- EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
- THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.

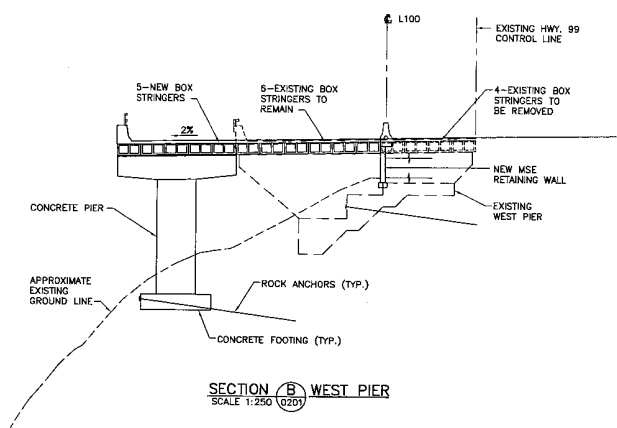
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DWG. No.	Description	Rev.	Date
B1	ISSUED FOR PROPOSAL SUBMITTAL		

MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT		
DBFO - HORSESHOE BAY TO WHISTLER HORSESHOE BAY TO SUNSET BEACH DB1 EAGLE BLUFF STRUCTURE - GENERAL ARRANGEMENT		
Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF
		SENIOR DESIGN ENGINEER
FILE No. 214753-FN10-N	PROJECT No. 09001-ST33	REVISION 1
		DRAWING No. 14000-DB1-0204104

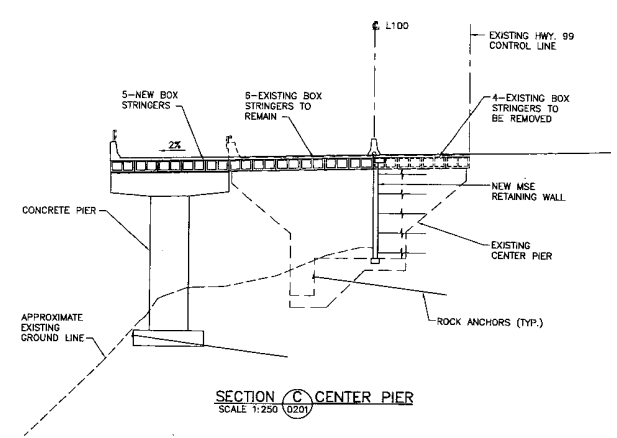
REFERENCE DRAWINGS REVISIONS



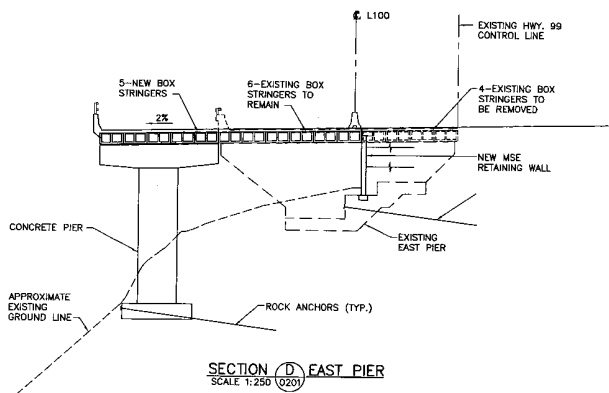
SECTION (A) WEST ABUTMENT
SCALE 1:250 (0201)



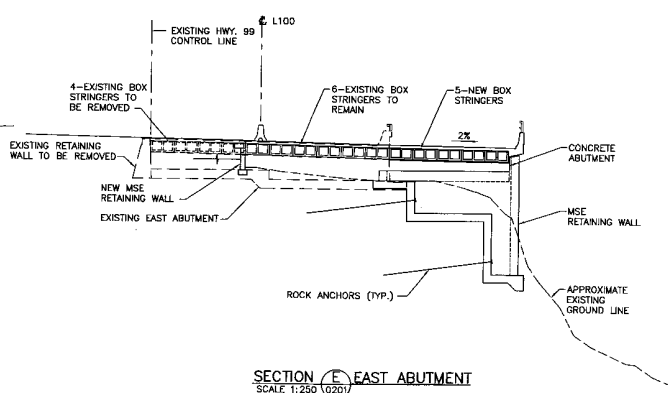
SECTION (B) WEST PIER
SCALE 1:250 (0201)



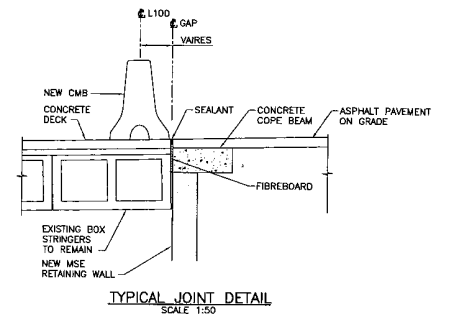
SECTION (C) CENTER PIER
SCALE 1:250 (0201)



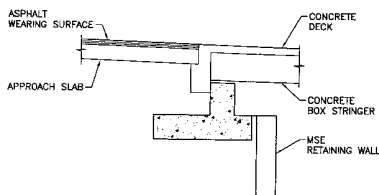
SECTION (D) EAST PIER
SCALE 1:250 (0201)



SECTION (E) EAST ABUTMENT
SCALE 1:250 (0201)



TYPICAL JOINT DETAIL
SCALE 1:50



TYPICAL ABUTMENT SECTION
SCALE 1:100

NOTES

- EXISTING ABUTMENT AND PIER FOUNDATIONS TO BE SEISMICALLY RETROFITTED.
- EXISTING CONCRETE DECK TO HAVE TOP 40mm REMOVED. OVERLAY WITH HIGH PERFORMANCE CONCRETE. TOP OF OVERLAY TO MATCH NEW CONCRETE DECK.

		DESIGNED <u>JV</u>	DATE <u>AUG. 04</u>
		CHECKED <u>JK</u>	DATE <u>AUG. 04</u>
SCALE 0 1:250 5		DRAWN <u>JTM</u>	DATE <u>AUG. 04</u>
Rev. Date Description		APPROVED	SIGNATURE
01	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BEACH
 DB1
 EAGLE BLUFF STRUCTURE - DETAILS

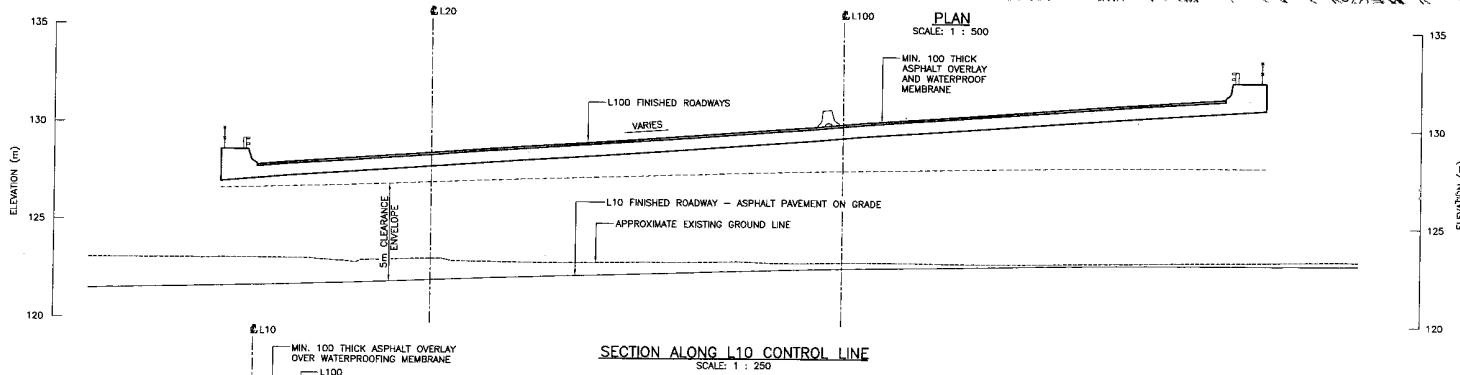
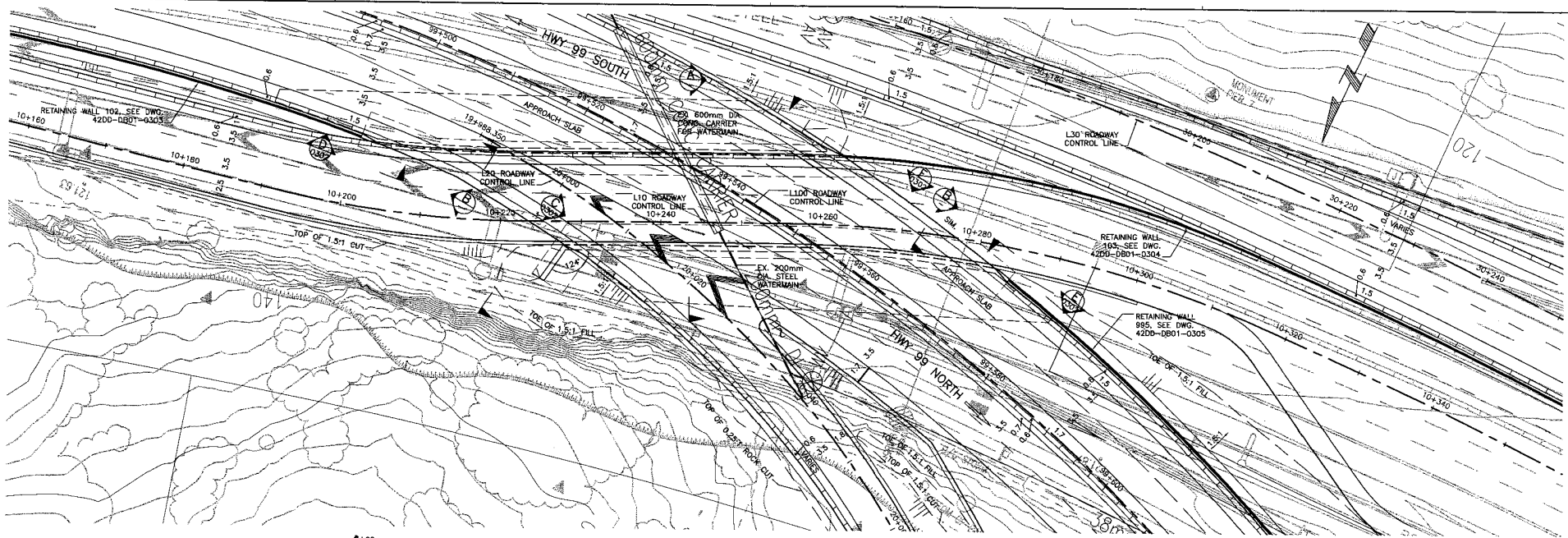
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
		SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	DATE
214753-FN10-N	09901-STG3	1

DWG. No.	Description	Rev.	Date	Description

REFERENCE DRAWINGS

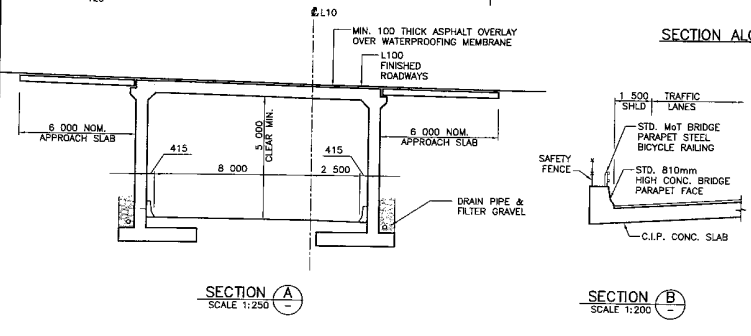
REVISIONS

HATCH MOTT MACDONALD



BRIDGE DESIGN NOTES

1. DESIGN CODE : CAN/CSA-S6-00
2. DESIGN LIVE LOAD : CL-825
3. LIVE LOAD IMPACT FACTOR : AS PER CAN/CSA-S6-00
4. FATIGUE DESIGN : CLASS A HIGHWAY ADT
5. SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.20
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
6. DESIGN SPEED(S) :
 - L10 = 50 km/h
 - L20 = 50 km/h
 - L100 = 80 km/h
7. BRIDGE BARRIER CLASSIFICATION : PL-2
8. STRUCTURE DESIGN LIFE : 75 YEARS
9. CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -13°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND :
 - 1/10 : 0.38kPa
 - 1/30 : 0.50kPa
10. EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
11. THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.



		DESIGNED: JJ DATE: AUG. 04 CHECKED: JK DATE: AUG. 04 DRAWN: SA DATE: AUG. 04 APPROVED: DATE:	
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Rev	Date	Description	Signature
B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
HORSESHOE BAY TO SUNSET BEACH
DB1

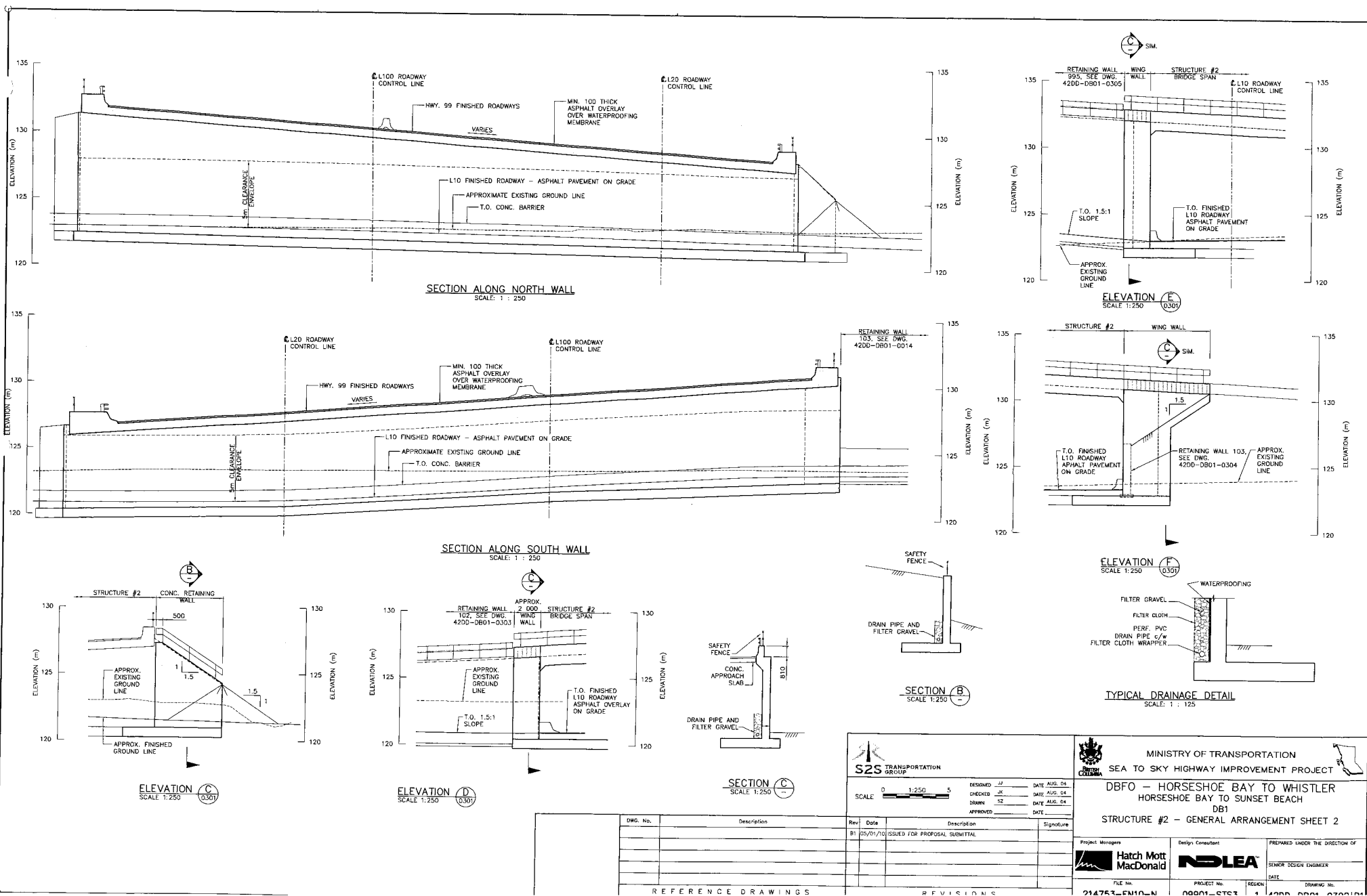
STRUCTURE #2 - GENERAL ARRANGEMENT SHEET 1

Project Manager: Design Consultant: PREPARED UNDER THE DIRECTION OF:

FILE No. 214753-FM10-N PROJECT No. 00901-ST33 DESIGN No. 1 DRAWING No. 031018

DWG. No.	Description

REFERENCE DRAWINGS REVISIONS



HATCH MCD FILE NO.

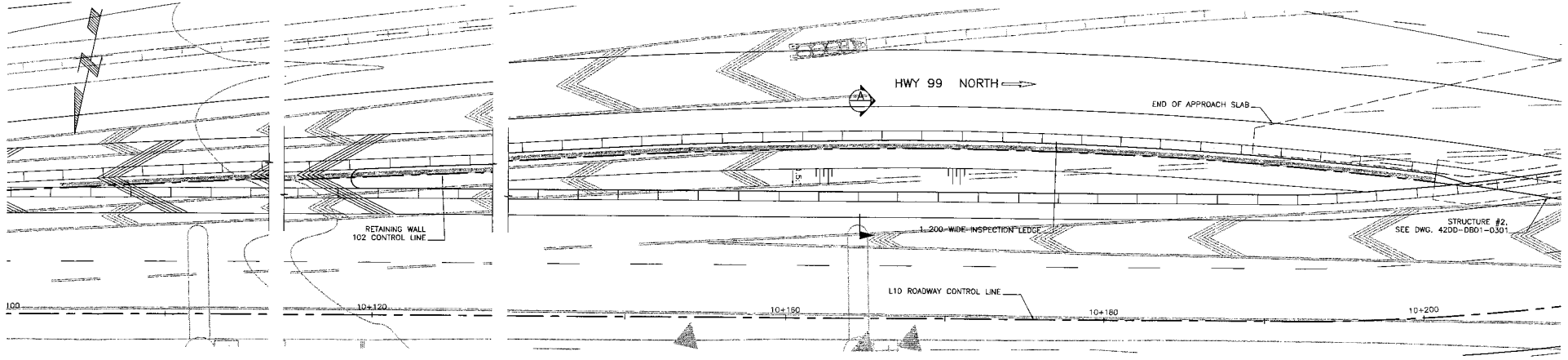
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Rev.	Date	Description	Signature
B1	25/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT		
DBFO - HORSESHOE BAY TO WHISTLER HORSESHOE BAY TO SUNSET BEACH DB1		
STRUCTURE #2 - GENERAL ARRANGEMENT SHEET 2		
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-FN10-N	PROJECT No. 09001-STS3	DRAWING No. 4200-DB01-0301

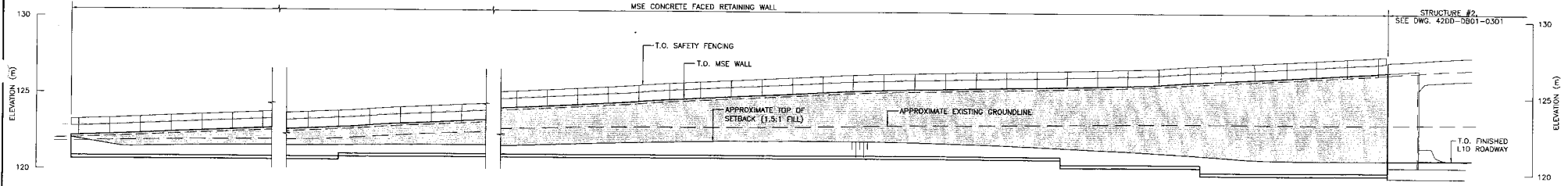
DWG. No.	Description

REFERENCE DRAWINGS

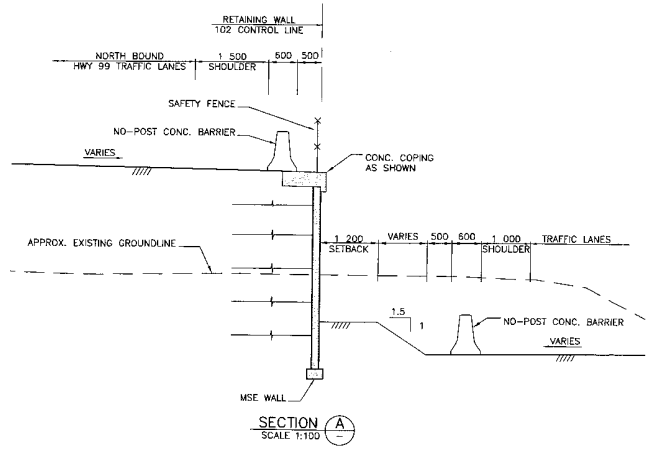
REVISIONS



PLAN - RETAINING WALL 102
SCALE: 1 : 250



ELEVATION - RETAINING WALL 102
SCALE: 1 : 250



SECTION A
SCALE 1:100

S2S TRANSPORTATION GROUP

DESIGNED: JJ DATE: AUG. 04
 CHECKED: JK DATE: AUG. 04
 DRAWN: SB DATE: AUG. 04
 APPROVED: DATE:

SCALE: 0 1:250 5
 0 1:100 2

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BEACH
 DB1
 STRUCTURE #2 - RETAINING WALL 102

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

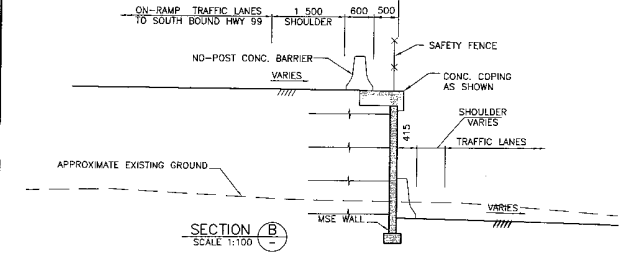
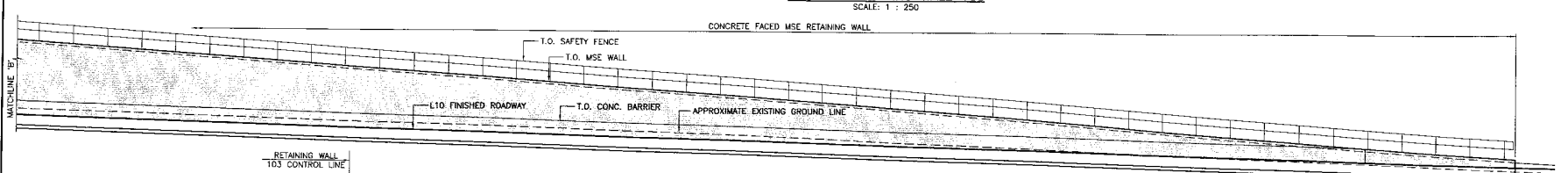
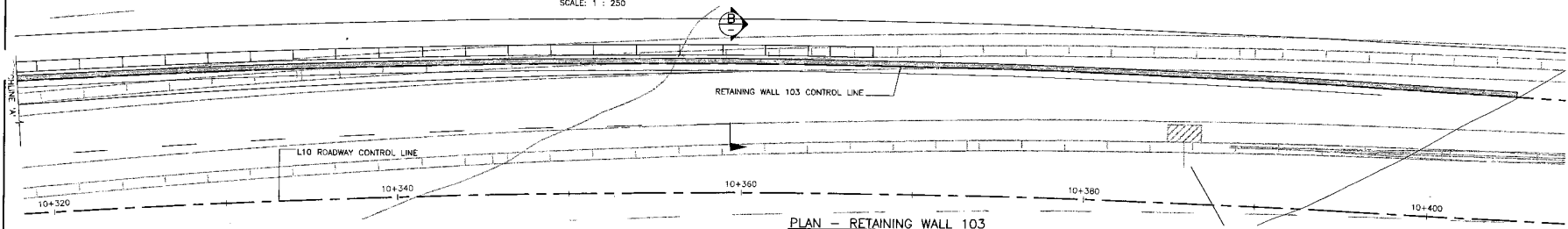
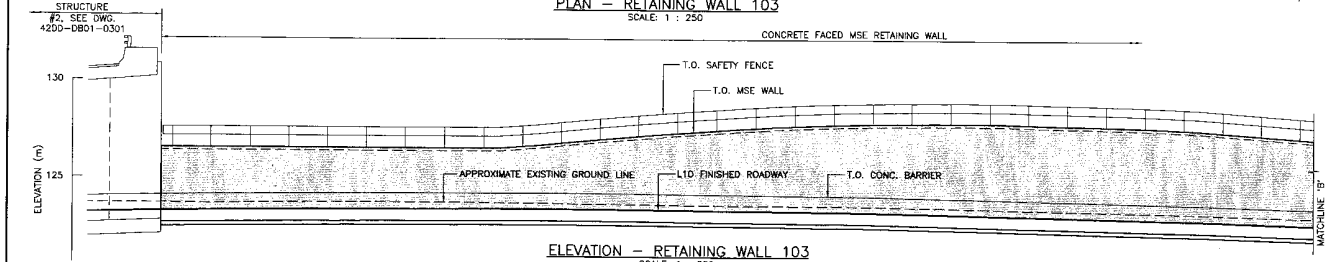
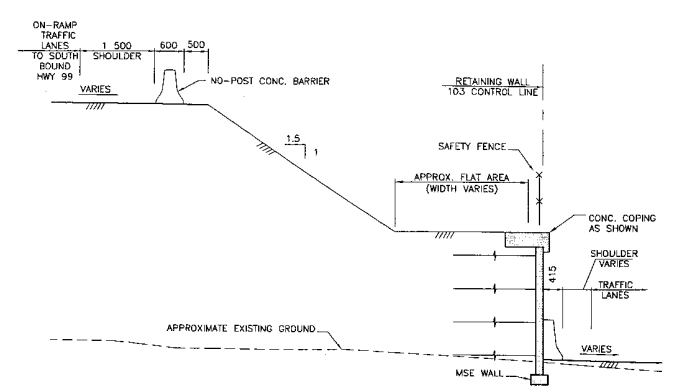
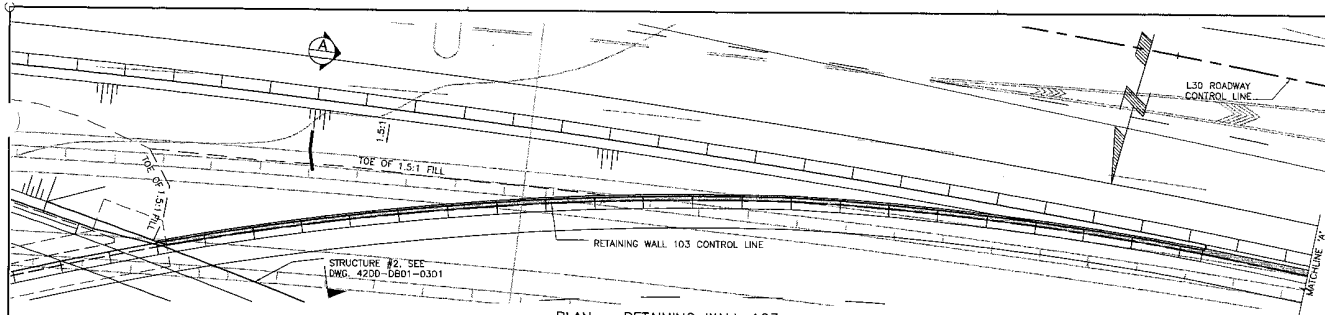
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 DRAWING No. _____

FILE No. 214753-FN10-N
 PROJECT No. 09901-STG3
 REGION 1
 DRAWING No. 42DD-DB01-0301B1

DWG. No.	Description	Rev.	Date	Description	Signature
		R1	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

REVISIONS



REFERENCE DRAWINGS

DWG. No.	Description

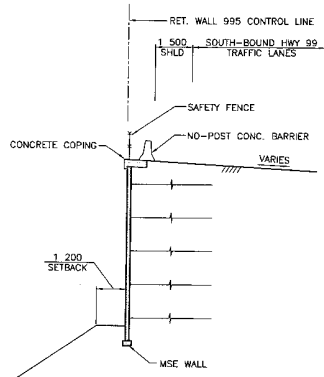
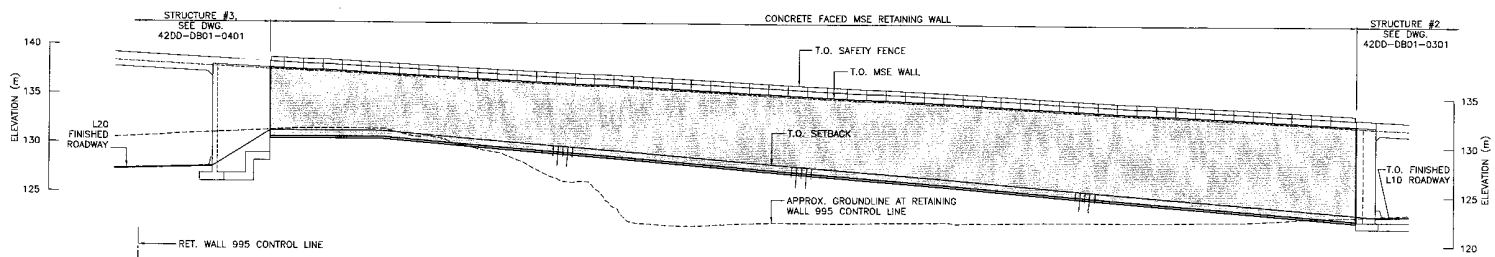
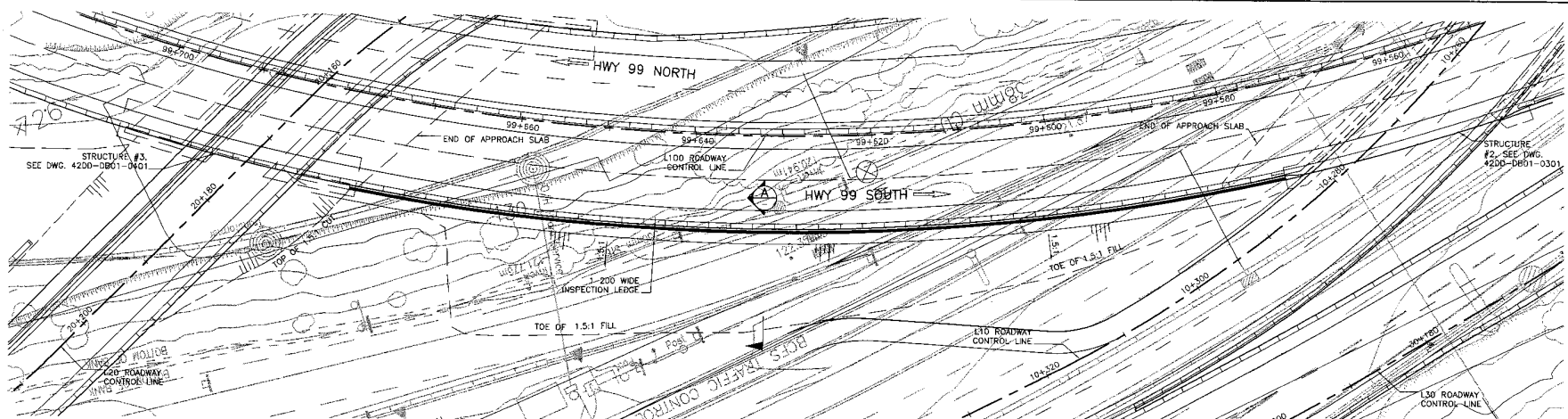
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Rev Date Description Signature B1 05/07/10 ISSUED FOR PROPOSAL SUBMITTAL	PROJECT No. 00001 ST03 REGION 1 DRAWING No. 4200-DB01-0301

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BEACH
 DB1
 STRUCTURE #2 - RETAINING WALL 103

Hatch Mott MacDonald

 NSLEA
 SENIOR DESIGN ENGINEER

PREPARED UNDER THE DIRECTION OF
 DATE

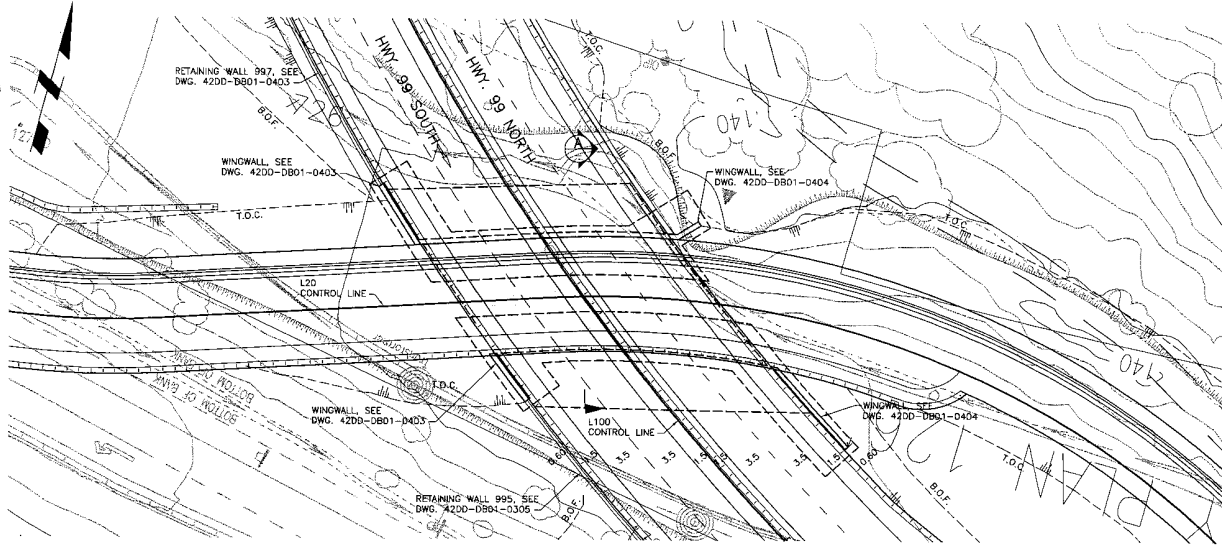


S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:250 5 0 1:200 4		DESIGNED JJ DATE AUG. 04 CHECKED JK DATE AUG. 04 DRAWN SZ DATE AUG. 04 APPROVED DATE	
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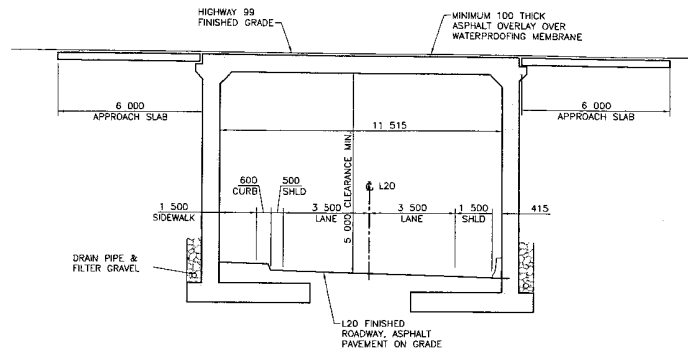
PROJECT MANAGERS 		DESIGN CONSULTANT 	
PROJECT No. 0804 ST03		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE	
FILE No. 214753-EM10-N		DRAWING No. 4200-DB01-0301	

DWG. No.	Description	Rev.	Date	Description	Signature

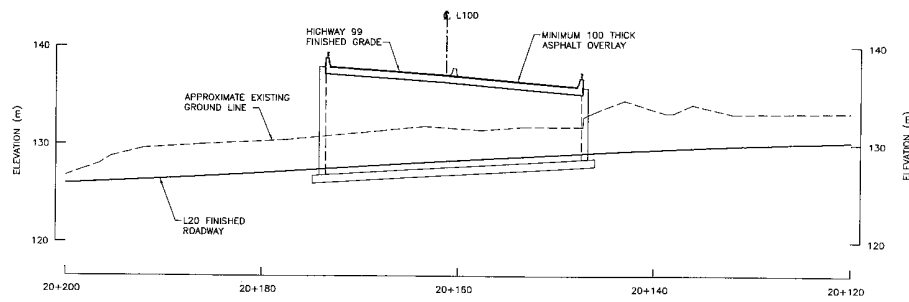
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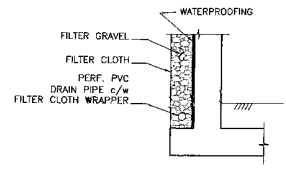
PLAN
SCALE 1:500



SECTION A
SCALE 1:200



SECTION ALONG L20 CONTROL LINE
SCALE 1:500



TYPICAL DRAINAGE DETAIL
SCALE: 1 : 125

BRIDGE DESIGN NOTES

1. DESIGN CODE : CAN/CSA-S6-00
2. DESIGN LIVE LOAD : CL-625
3. LIVE LOAD IMPACT FACTOR : AS PER CAN/CSA-S6-00
4. FATIGUE DESIGN : CLASS A HIGHWAY ADT
5. SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.20
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
6. DESIGN SPEED : L100 = 80 km/h
L20 = 50 km/h
7. BRIDGE BARRIER CLASSIFICATION : PL-2
8. DESIGN LIFE : 75 YEARS
9. CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -12°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND : 1/10 : 0.38F₀
1/30 : 0.50F₀
10. EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
11. THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.

S2S TRANSPORTATION GROUP

DESIGNED: JJ DATE: AUG. 04
 CHECKED: JK DATE: AUG. 04
 DRAWN: RTM DATE: AUG. 04
 APPROVED: DATE:

SCALE: 0 1:500 10

Re: Date Description Signature
 87 05/01/10 ISSUED FOR PROPOSAL SUBMITTAL

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BEACH
 DB1
 STRUCTURE #3 GENERAL ARRANGEMENT

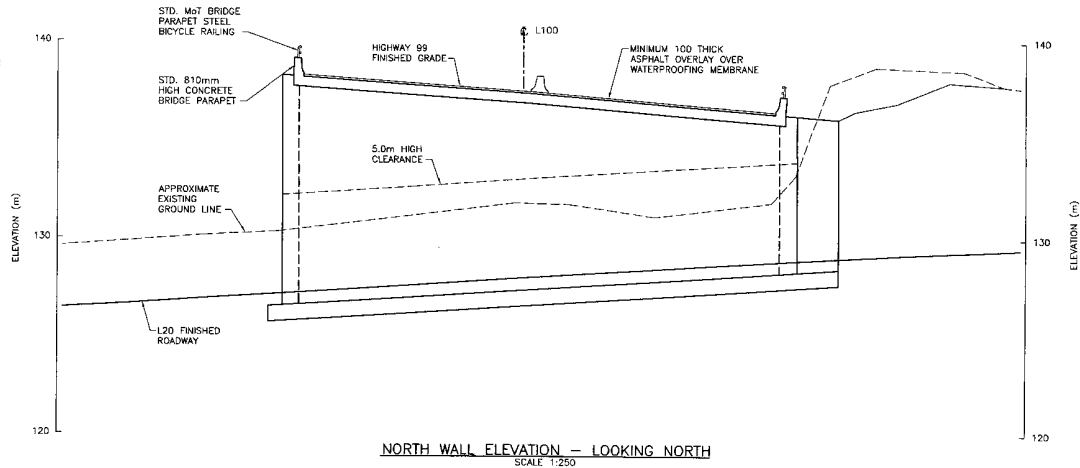
Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLA
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 DATE: DRAWING No.: 4200-DB01-0401-01

FILE No.: 214753-FM10-N
 PROJECT No.: 00901-STS3
 REGION: 1

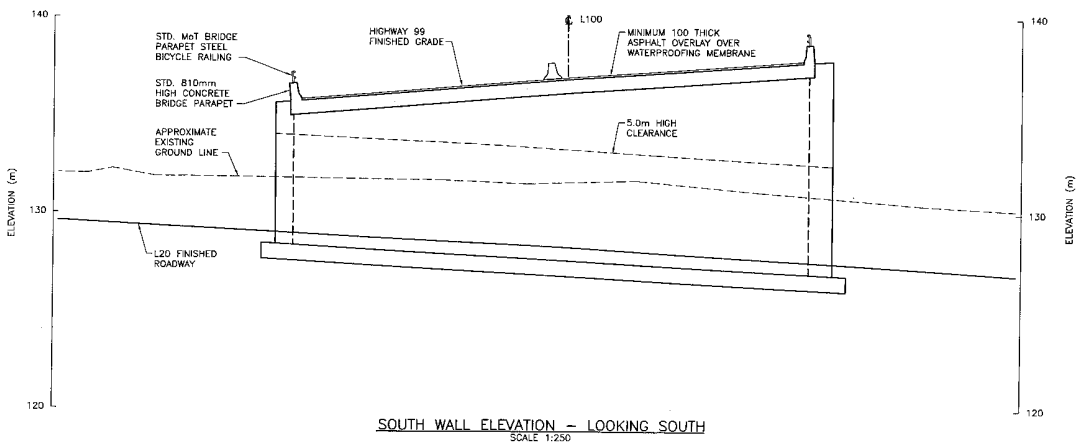
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REFERENCE DRAWINGS

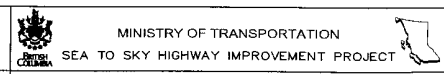
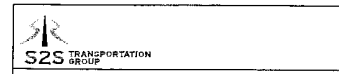
REVISIONS



NORTH WALL ELEVATION - LOOKING NORTH
SCALE 1:250



SOUTH WALL ELEVATION - LOOKING SOUTH
SCALE 1:250



SCALE 0 1:250 5
 DESIGNED JJ DATE AUG 04
 CHECKED JK DATE AUG 04
 DRAWN STM DATE AUG 04
 APPROVED DATE

DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BEACH
 DB1
 STRUCTURE #3 - DETAILS

DWG. No.	Description

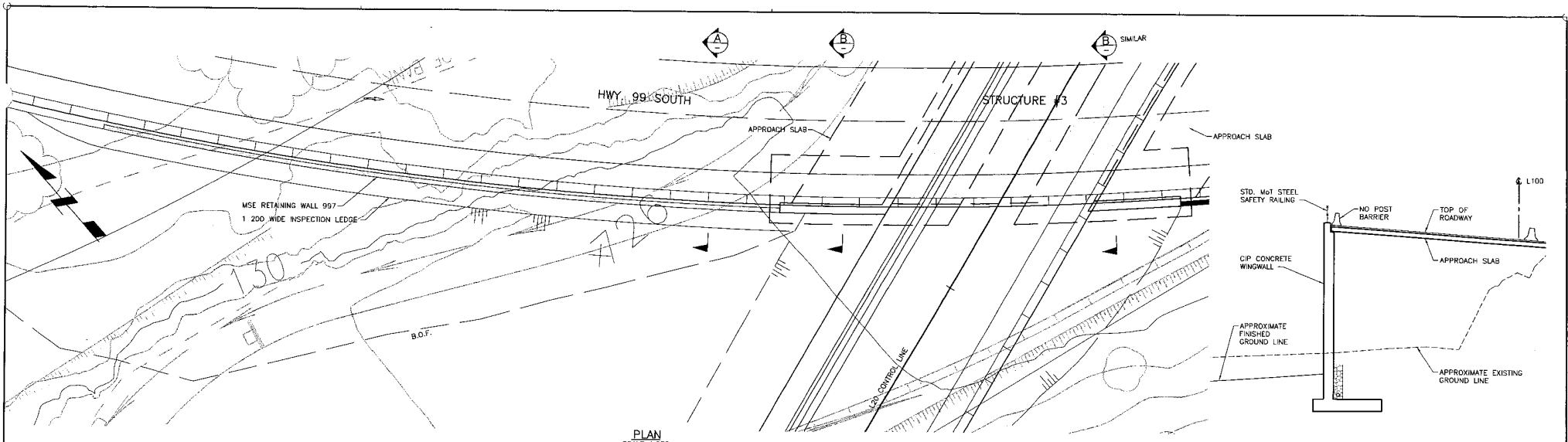
Rev	Date	Description	Signature
BT	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers Hatch Mott MacDonald	Design Consultant NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-FN10-N	PROJECT No. 09901-ST53	DATE
	REGION 1	DRAWING No. 4200-DB01-04021B1

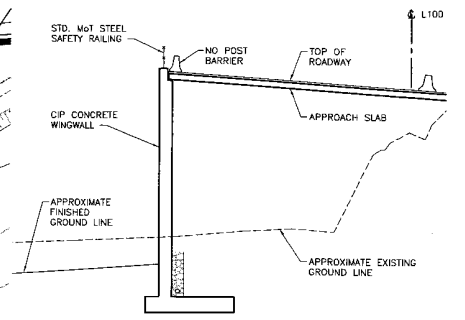
REFERENCE DRAWINGS

REVISIONS

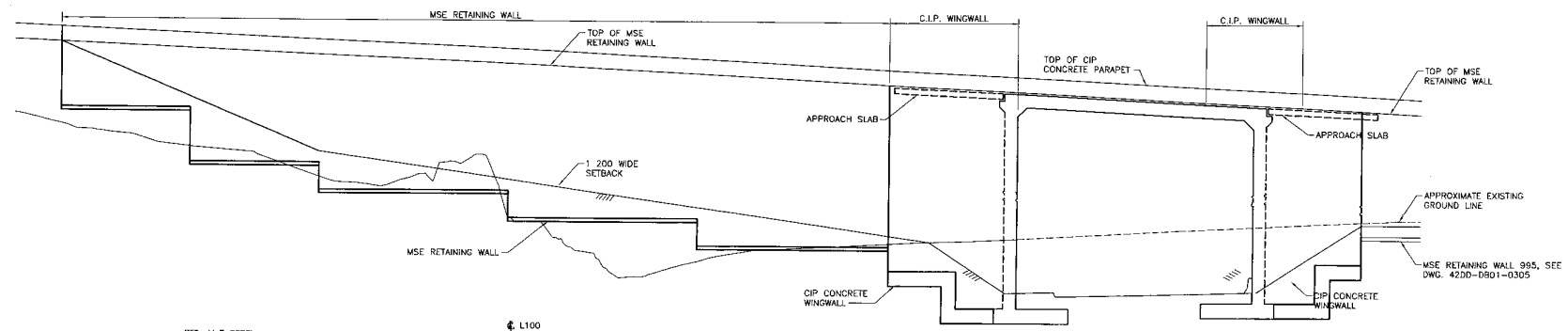
HWY 99 REF. LN.



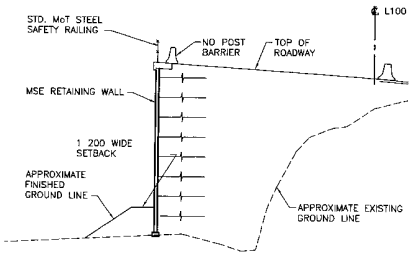
PLAN
SCALE 1:250



SECTION B
SCALE 1:250



ELEVATION
SCALE 1:250



SECTION A
SCALE 1:250

SZS TRANSPORTATION GROUP

SCALE 0 1:250 5

DESIGNED *JJ* DATE *JUN 04*
 CHECKED *JM* DATE *AUG 04*
 DRAWN *JTM* DATE *AUG 04*
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
HORSESHOE BAY TO SUNSET BEACH
DB1
STRUCTURE #3 RETAINING WALLS - SHEET 1

DWG. No.	Description

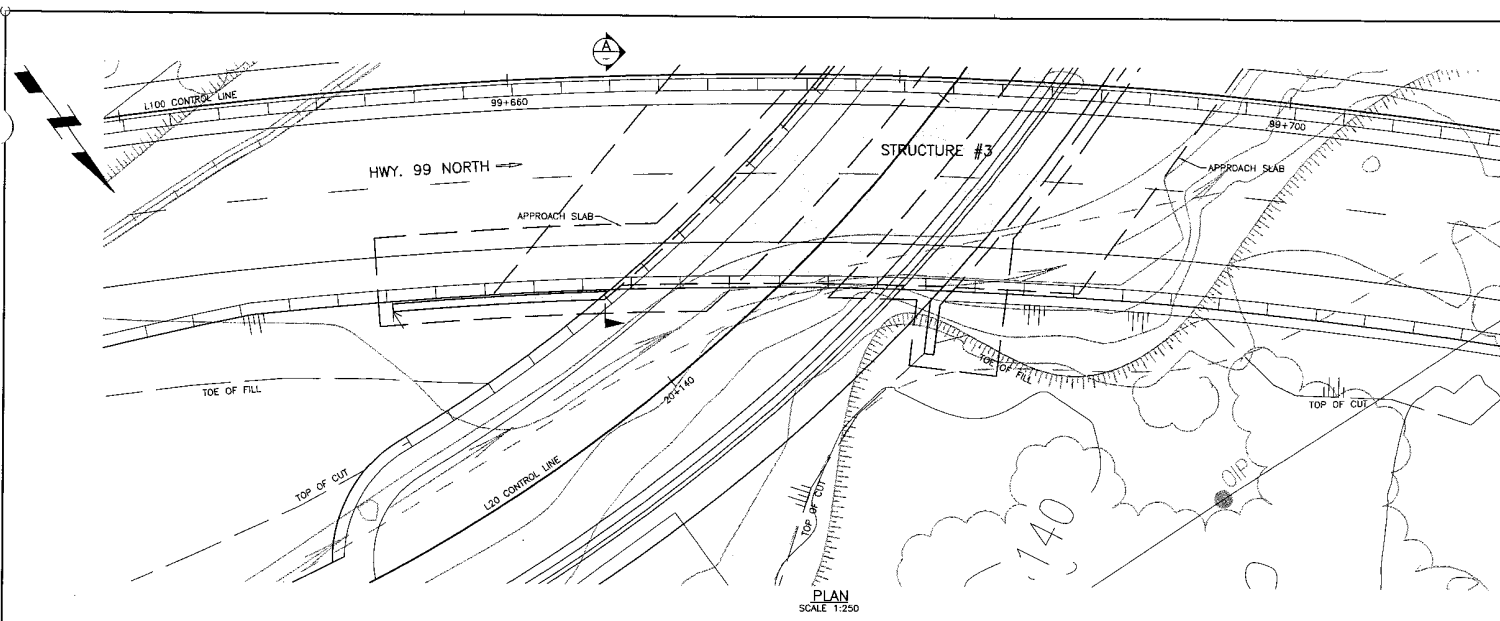
Rev	Date	Description	Signature
B1	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**
 PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 FILE No. **214753-FN10-N** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **4200-DB01-04031B1**

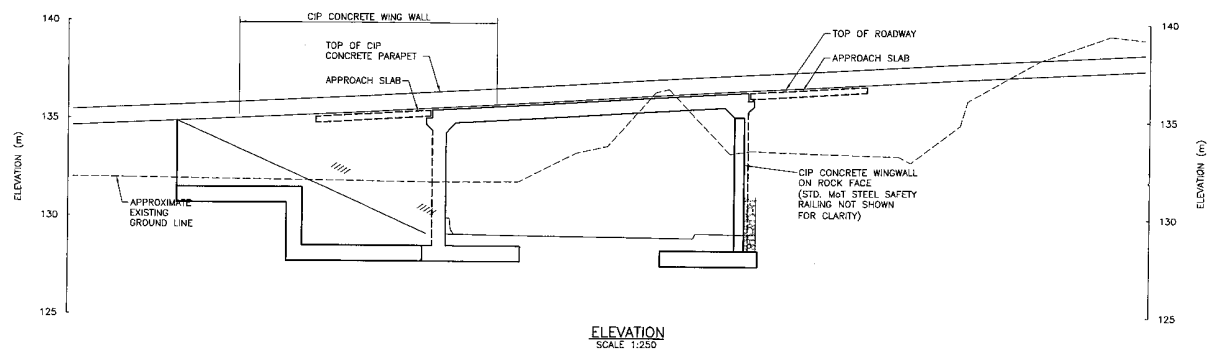
REFERENCE DRAWINGS

REVISIONS

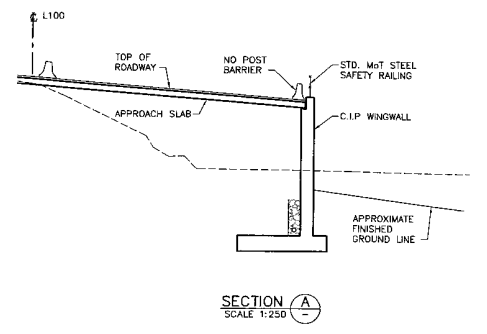
DRAWING FILE NO.



PLAN
SCALE 1:250



ELEVATION
SCALE 1:250



SECTION A
SCALE 1:250

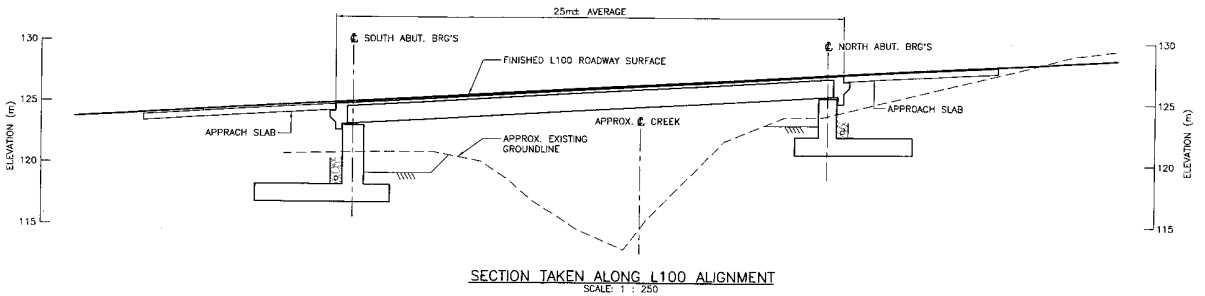
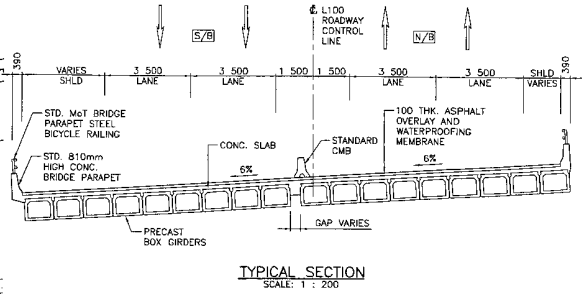
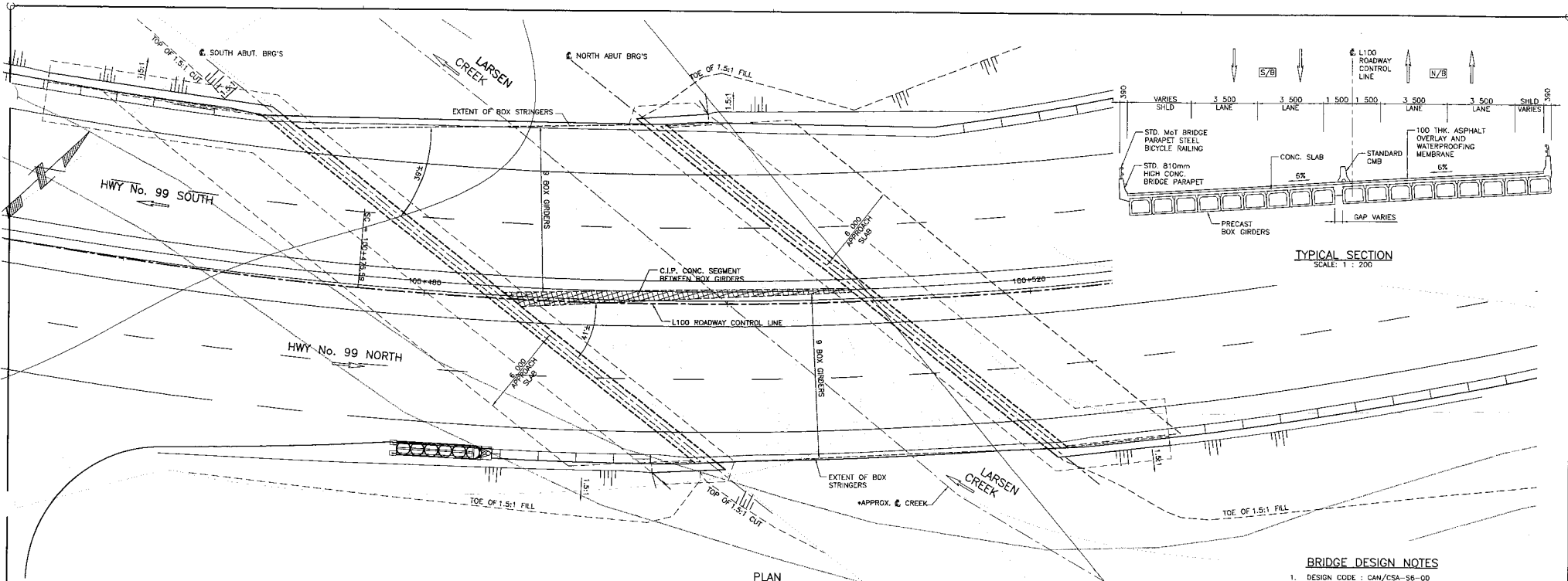
S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED JJ CHECKED JK DRAWN RIM APPROVED [Signature]	DATE AUG. 04 DATE AUG. 04 DATE AUG. 04 DATE	DBFO - HORSESHOE BAY TO WHISTLER HORSESHOE BAY TO SUNSET BEACH DB1 STRUCTURE #3 RETAINING WALLS - SHEET 2	
SCALE 0 1:250 5	PROJECT NO. 09901-CT83 FILE NO. 214753-EN10-N REGION 1 DRAWING NO. 0104104	Project Managers 	Design Consultant

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

REVISIONS

100% CIP FILE NO.



BRIDGE DESIGN NOTES

1. DESIGN CODE : CAN/CSA-S6-00
2. DESIGN LIVE LOAD : CL-625
3. LIVE LOAD IMPACT FACTOR : AS PER CAN/CSA-S6-00
4. FATIGUE DESIGN : CLASS A HIGHWAY ADT
5. SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.20
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
6. DESIGN SPEED(S) : L100 = 80 km/h
7. BRIDGE BARRIER CLASSIFICATION : PL-2
8. STRUCTURE DESIGN LIFE : 75 YEARS
9. CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -13°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND : 1/10 : 0.38kPa
 - 1/30 : 0.50kPa
10. EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
11. THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.

S2S TRANSPORTATION GROUP

SCALE 0 1:250 5

DESIGNED: JU DATE AUG. 04
 CHECKED: JK DATE AUG. 04
 DRAWN: ST DATE AUG. 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 HORSESHOE BAY TO SUNSET BRIDGE
 DB1
 LARSEN CREEK STRUCTURE - GENERAL ARRANGEMENT SHEET 1

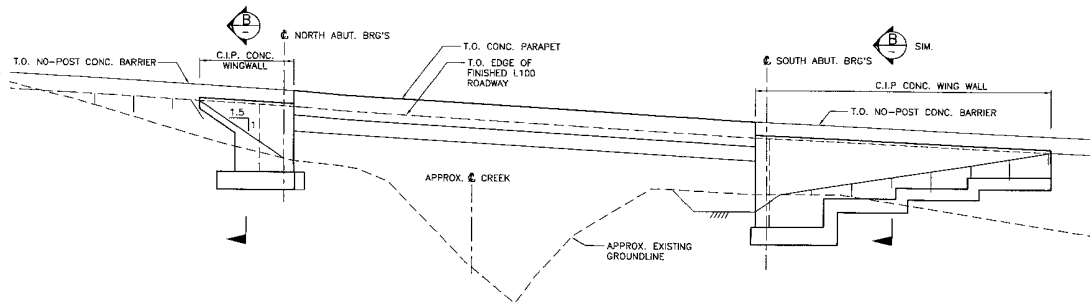
DWG. No.	Description	Rev.	Date	Description	Signature
		01	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	NLEA	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	REGION
214753-FN10-N	09901-ST53	1
	DRAWING No.	
	4290-DB01-0501B1	

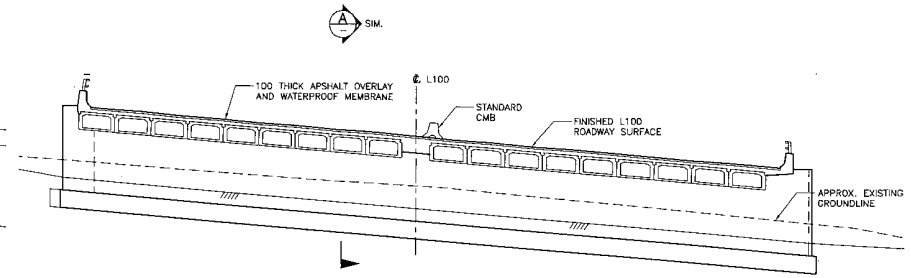
REFERENCE DRAWINGS

REVISIONS

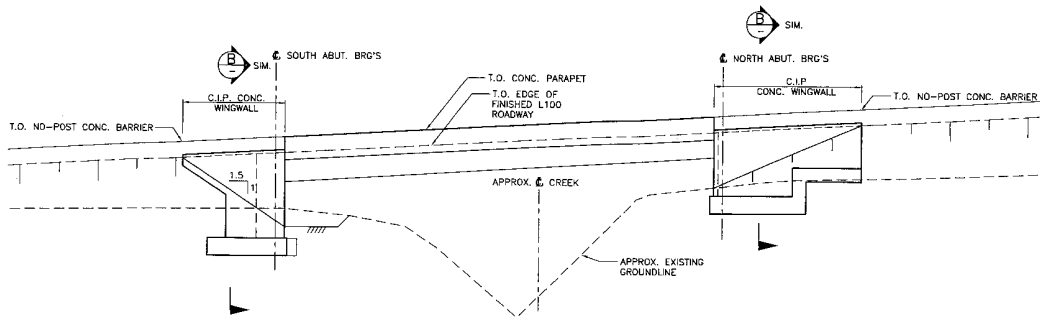
HWY 99 DB1-N



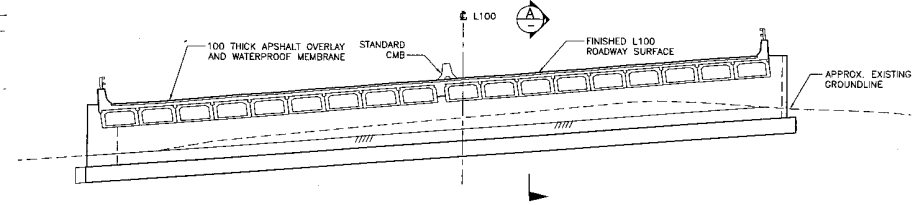
ELEVATION - DOWNSTREAM SIDE
SCALE: 1 : 250
M&T BICYCLE RAILING NOT SHOWN FOR CLARITY



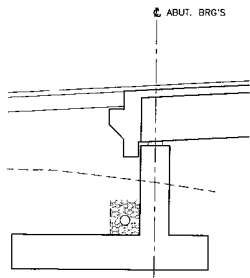
ELEVATION - SOUTH ABUTMENT
SCALE: 1 : 250



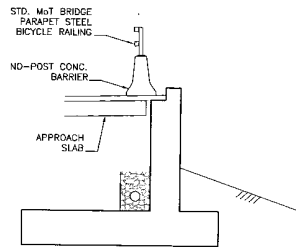
ELEVATION - UPSTREAM SIDE
SCALE: 1 : 250
M&T BICYCLE RAILING NOT SHOWN FOR CLARITY



ELEVATION - NORTH ABUTMENT
SCALE: 1 : 250



SECTION A
SCALE 1:100



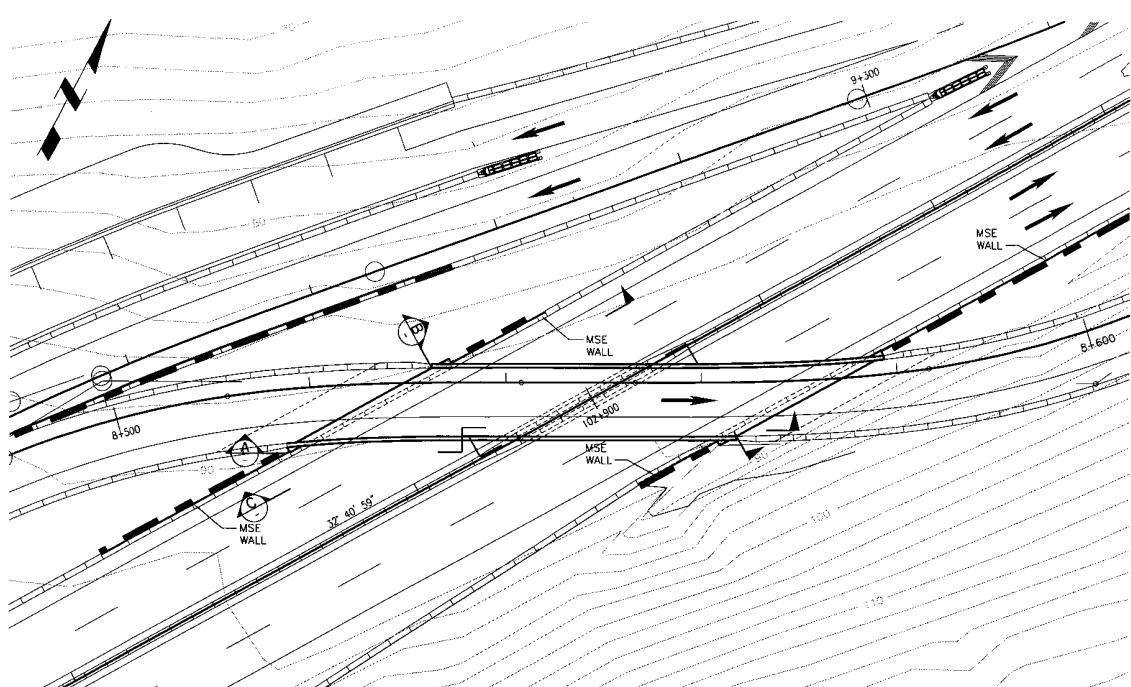
SECTION B
SCALE 1:100

S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
0 1:250 5 SCALE 0 1:200 4	DESIGNED JJ DATE AUG. 04 CHECKED JK DATE AUG. 04 DRAWN SS DATE AUG. 04 APPROVED DATE	DBFO - HORSESHOE BAY TO WHISTLER HORSESHOE BAY TO SUNSET BEACH DB1 LARSEN CREEK STRUCTURE - GENERAL ARRANGEMENT SHEET 2	
Rev. Date Description Signature	PROJECT MANAGERS: Hatch Mott MacDonald DESIGN CONSULTANT: NDLA PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER		
01 05/01/10 ISSUED FOR PROPOSAL SUBMITTAL	FILE No. 214753-FN10-N PROJECT No. 09901-ST33 REGION 1 DRAWING No. 4900-NB01-05021B1	DATE	

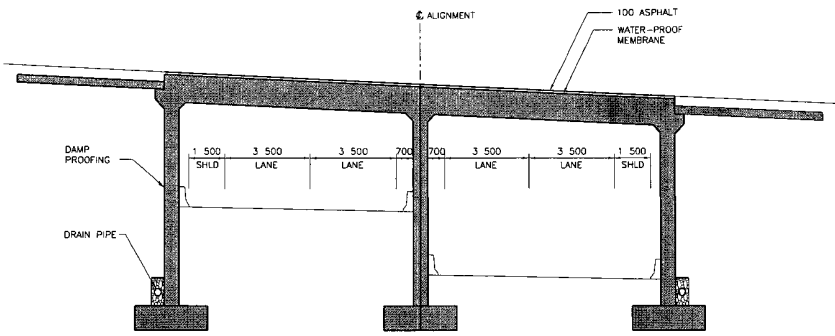
DWG. No.	Description

REVISIONS

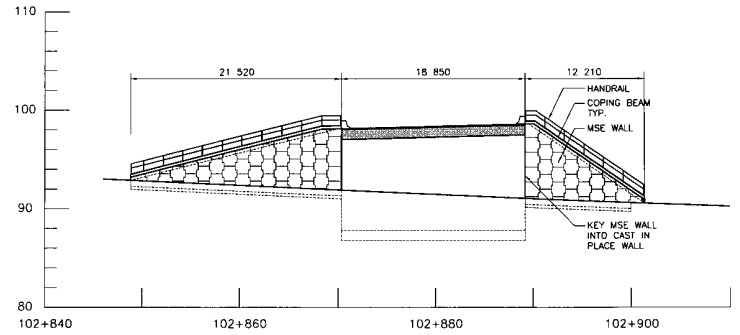
REFERENCE DRAWINGS



PLAN
SCALE 1:250



SECTION A
SCALE 1:100

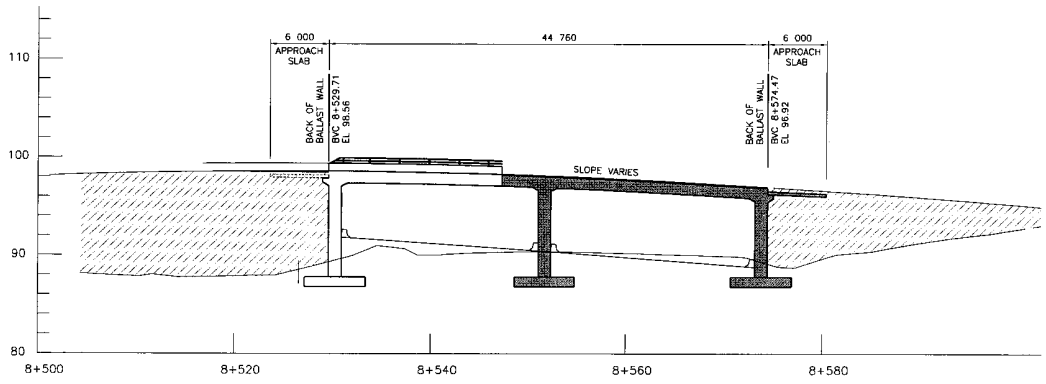


SECTION C
SCALE 1:250

WEST WING WALL - SHOWN
EAST WING WALL - SIMILAR

NOTES:

1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADT
7. SEISMIC DESIGN: 10% CHANGE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.15
 - b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIER: FL-2
9. CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.



SECTION A
SCALE 1:250



SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB1
STRUCTURE No. 5
GENERAL ARRANGEMENT
SHEET 1

SCALE AS SHOWN

DESIGNED: [] DATE: DEC. 04.
CHECKED: [] DATE: DEC. 04.
DRAWN: [] DATE: DEC. 04.
APPROVED: [] DATE: []

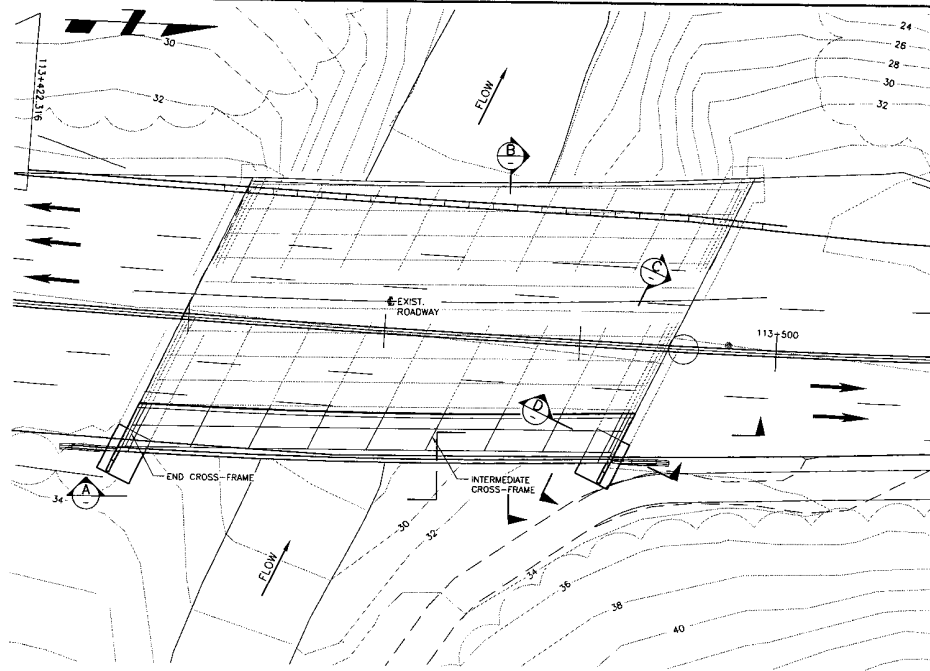
Project Managers: Hatch Mott MacDonald
Prepared under the direction of: Hatch Mott MacDonald
Senior Design Engineer: []
Date: []

DWG. No.	Description	Rev.	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMITTAL	01	05/01/10		

REFERENCE DRAWINGS REVISIONS

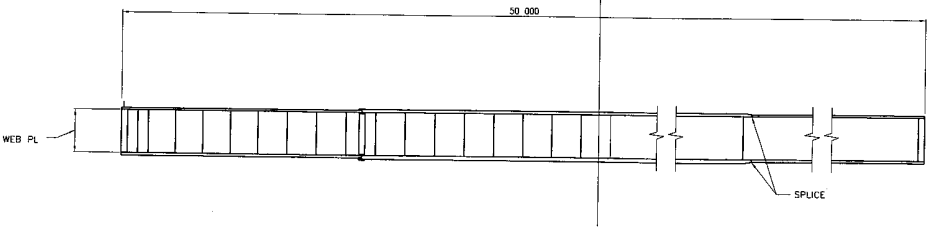
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB01-0601 B1

CANCEL PRINTS BEARING PREVIOUS LETTER

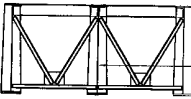


PLAN
1 : 250

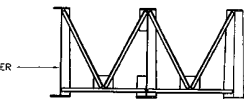
SYMM. ABOUT C, EXCEPT AS SHOWN



TYP. COMPOSITE GIRDER ELEVATION
SCALE: N.T.S.

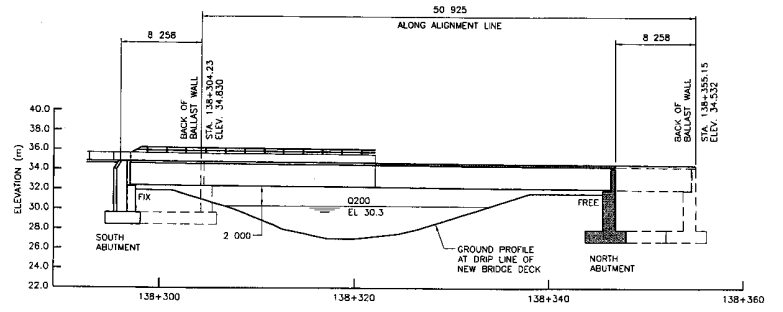


TYP. END CROSS-FRAME
SCALE: N.T.S.

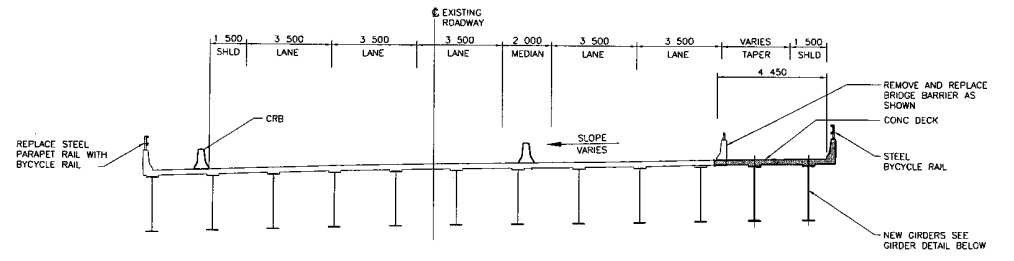


TYP. INTERMEDIATE CROSS-FRAME
SCALE: N.T.S.

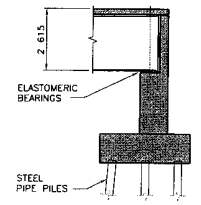
- NOTES:
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00,
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADTT
 - SEISMIC DESIGN: 10% CHANGE IN 50 YRS
 - ZONAL ACCELERATION RATIO: 0.19
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIER: P1-2
 - CLIMATIC INFORMATION
 - MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YR): -0.56 kPa.



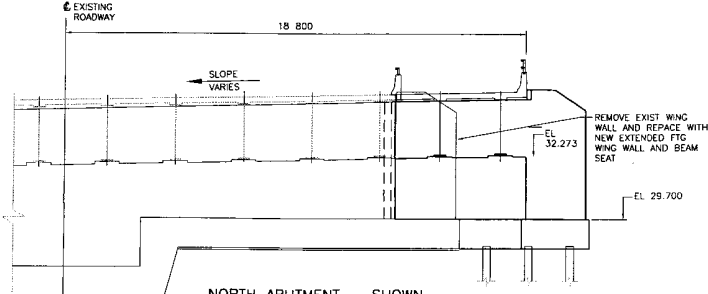
SECTION A
SCALE 1:250



SECTION B
SCALE 1:100



SOUTH ABUTMENT - SIMILAR
SECTION D
SCALE 1:100



NORTH ABUTMENT - SHOWN
SOUTH ABUTMENT - SIMILAR
SECTION C
SCALE 1:100

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: JMR DATE: 01/09/23
 CHECKED: TP DATE: 04/25/23
 DRAWN: OK DATE: 04/29/23
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB3
MAGNESIA CREEK BRIDGE No. 1452
GENERAL ARRANGEMENT

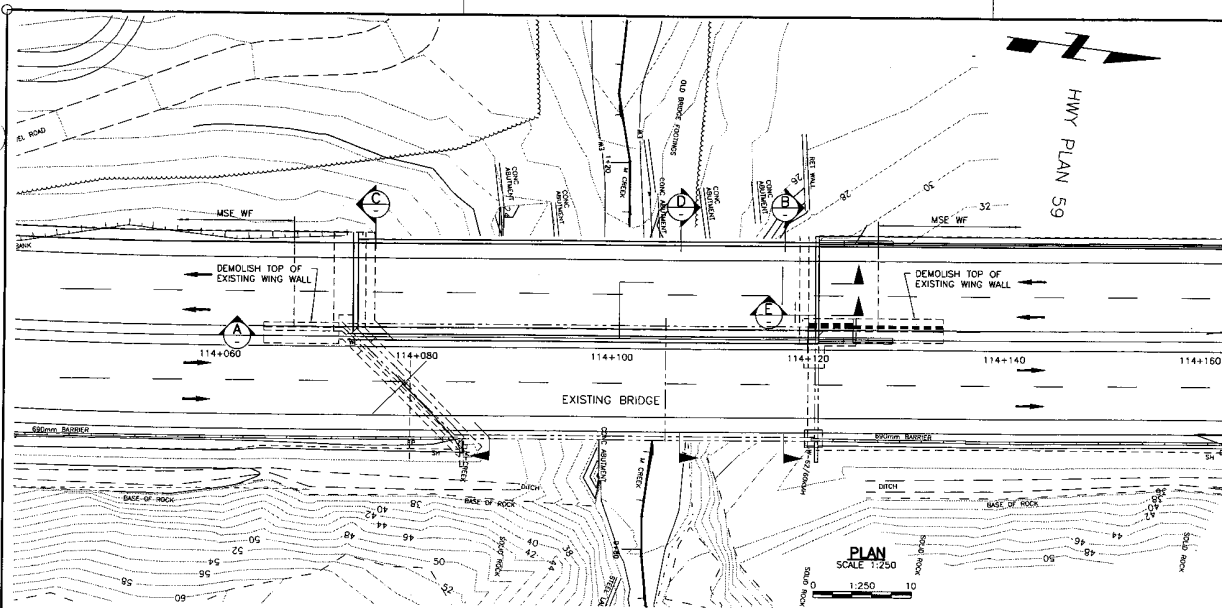
DWG. No.	Description	Rev	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMITTAL		05/01/10		

Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald

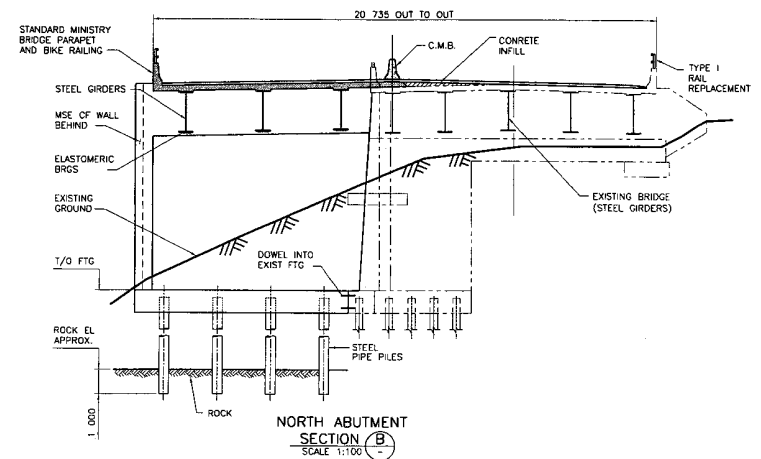
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 DRAWING No. _____

FILE No. 214753-EN-H PROJECT No. 09901-ST53 REGION 1 42DD-D803-0301 B1

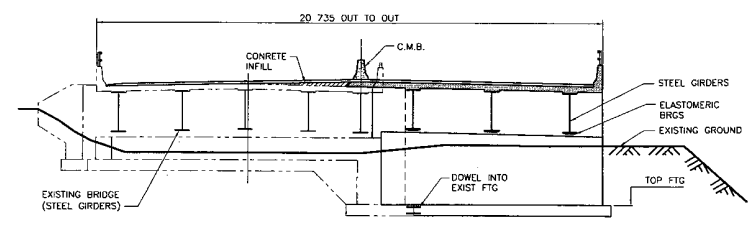
REFERENCE DRAWINGS REVISIONS



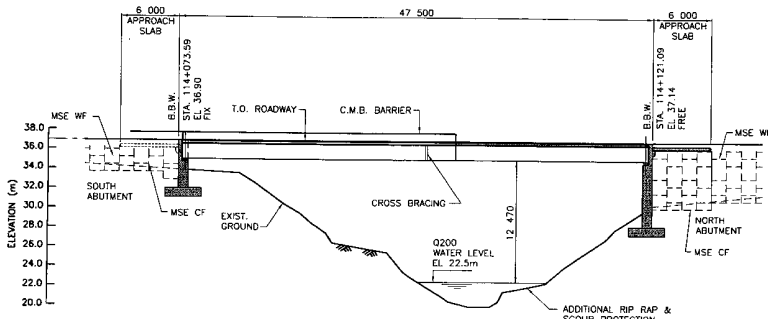
PLAN
SCALE 1:250



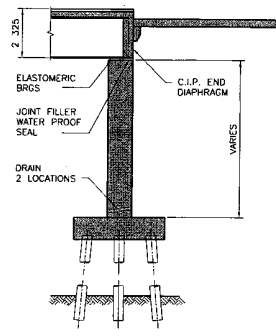
NORTH ABUTMENT
SECTION (B)
SCALE 1:100



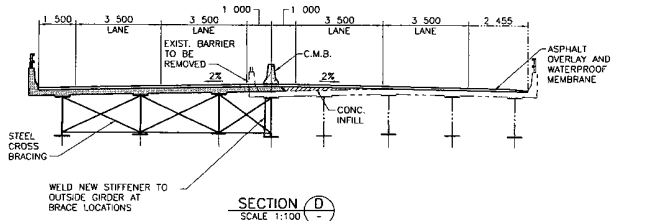
SOUTH ABUTMENT
SECTION (C)
SCALE 1:100



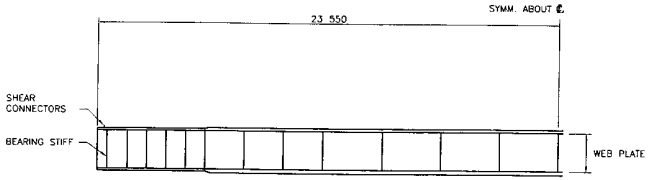
SECTION (A)
SCALE 1:250



NORTH ABUTMENT
SOUTH ABUTMENT - SIM
SECTION (E)
SCALE 1:100



SECTION (D)
SCALE 1:100



TYP. COMPOSITE GIRDER ELEVATION
SCALE: N.T.S.

NOTES:

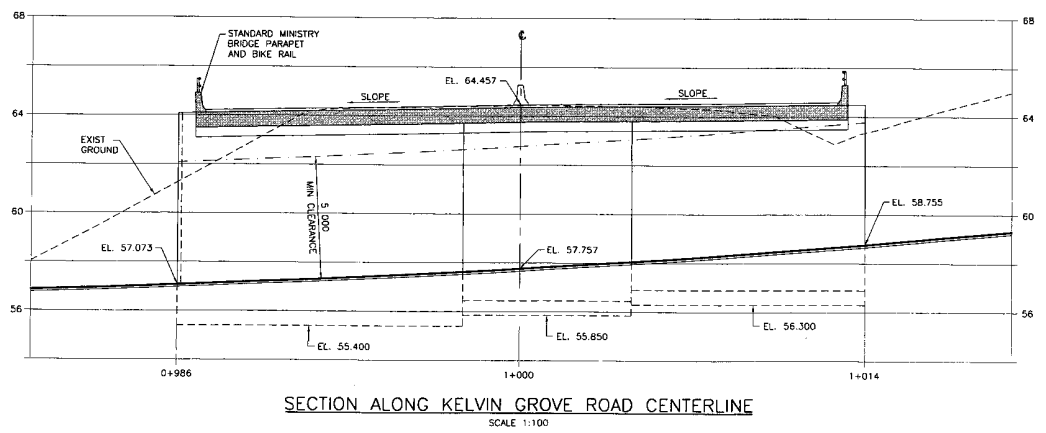
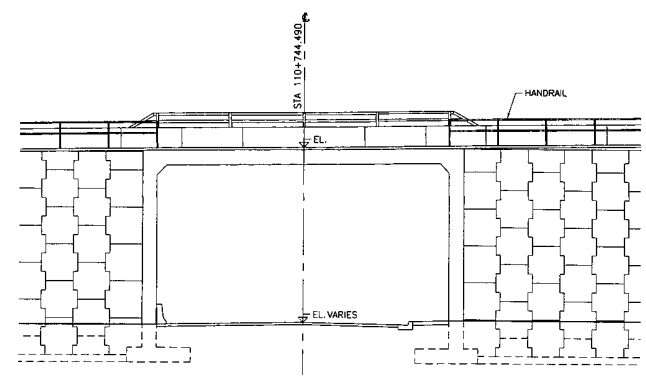
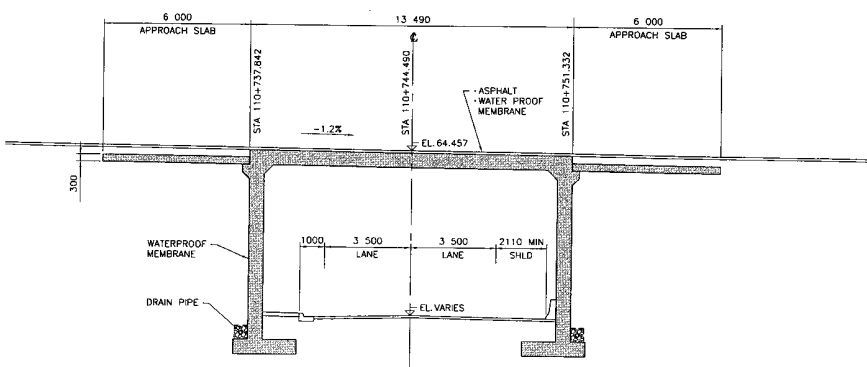
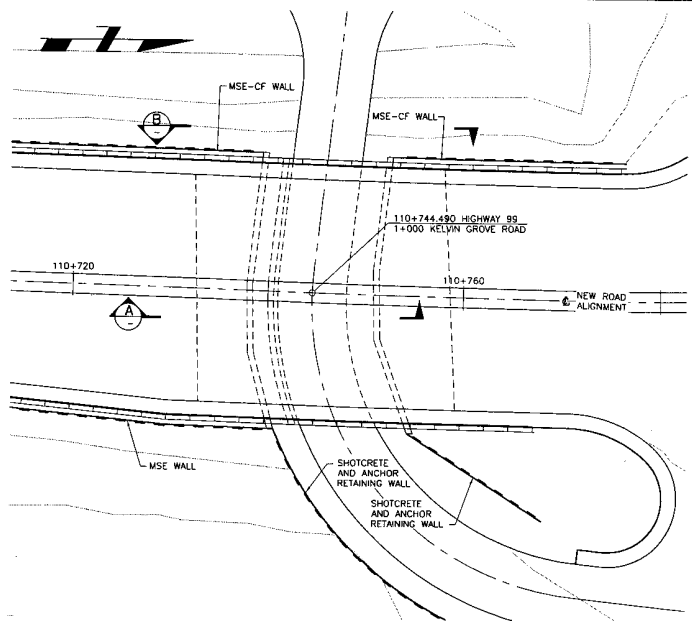
1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-55-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADIT
 - a. ZONAL ACCELERATION RATIO: 0.19
 - b. IMPORTANCE CATEGORY: OTHER
7. SEISMIC DESIGN: 10% CHANCE IN 50 YRS
8. TRAFFIC BARRIER: PL-2
9. CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

	DESIGNED: MB DATE: JULY 04 CHECKED: TMBR DATE: AUG/04 DRAWN: M/2K DATE: AUG/04 APPROVED: DATE:		<p>SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p> <p>DBFO - HORSESHOE BAY TO WHISTLER DB3</p> <p>M CREEK BRIDGE No. 1453</p> <p>GENERAL ARRANGEMENT</p>
	SCALE: AS SHOWN	PROJECT NO: 08901-STS3 RECON: 1 DRAWING NO: 42DD-DB03-0401 B1	

DWG. No.	Description	Rev.	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMITTAL		05/01/10		

REFERENCE DRAWINGS

REVISIONS



- NOTES:
- DESIGN CODES: CAN/CSA-S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75 YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADT
 - SEISMIC DESIGN: 10% CHANCE IN 50 YEARS
 - TRAFFIC BARRIER: PL-2
 - CLIMATIC INFORMATION:
 - a. ZONAL ACCELERATION RATIO: 0.19
 - b. IMPORTANCE CATEGORY: OTHER
 - c. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG C
 - d. MAXIMUM DAILY MEAN TEMPERATURE: +28 DEG C
 - e. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa
 - LIGHTING FIXTURES NOT SHOWN

S25 TRANSPORTATION GROUP

SCALE 1:250 UNO

DESIGNED: JMS DATE SEP 04
 CHECKED: TMR DATE SEP 04
 DRAWN: JS DATE SEP 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB3
KELVIN GROVE OVERPASS
GENERAL ARRANGEMENT

DWG. No.	Description	Rev.	Date	Description	Signature
		B1	25/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

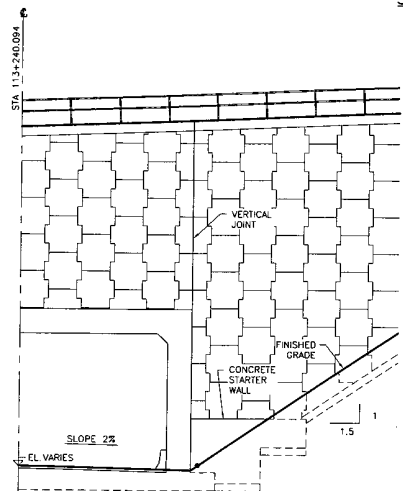
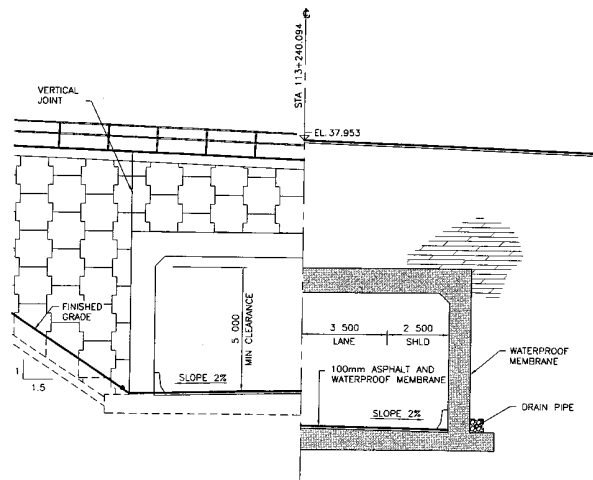
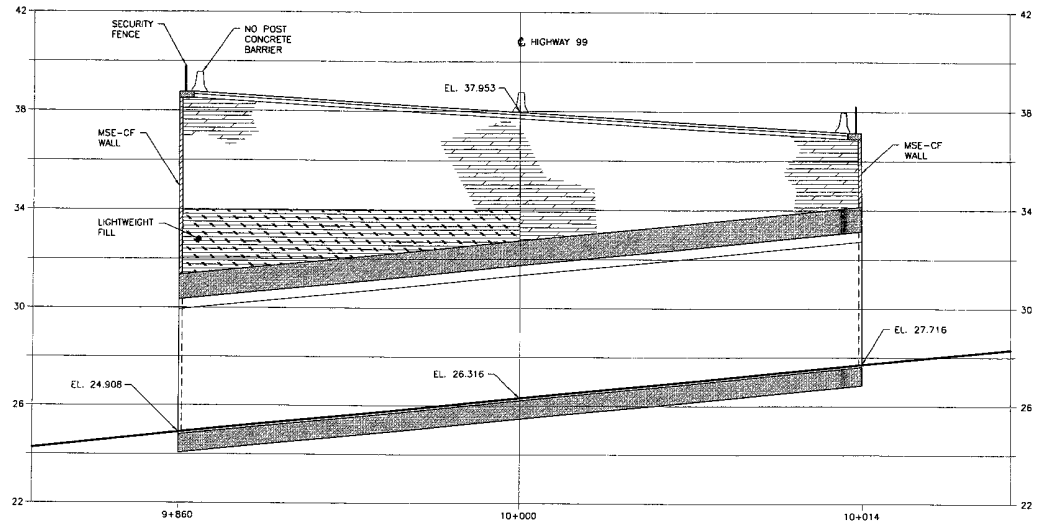
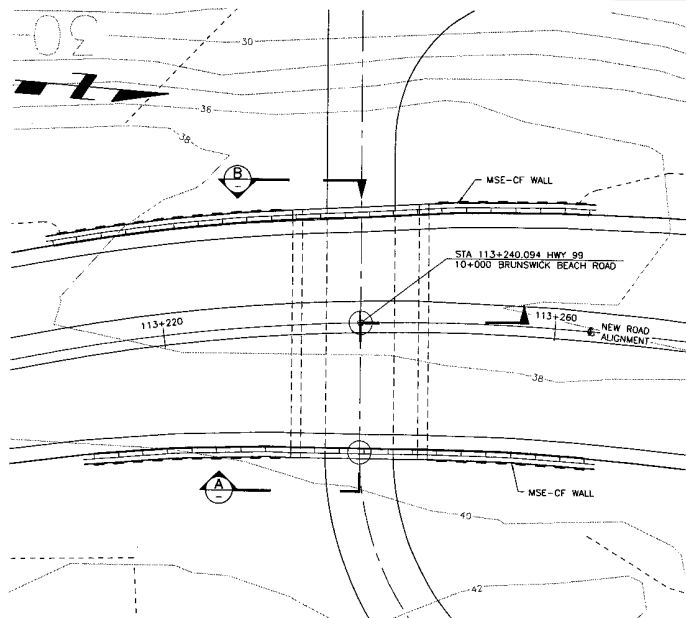
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB03-0501 B1

REFERENCE DRAWINGS REVISIONS



- NOTES:
- DESIGN CODES: CAN/CSA-S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75 YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADTT
 - SEISMIC DESIGN: 10% CHANGE IN 50 YEARS
 - ZONAL ACCELERATION RATIO: 0.19
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIERS: PS-2
 - CLIMATIC INFORMATION:
 - MINIMUM DAILY MEAN TEMPERATURE: -10 DEG C
 - MAXIMUM DAILY MEAN TEMPERATURE: +28 DEG C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa
 - LIGHTING FIXTURES NOT SHOWN

525 TRANSPORTATION GROUP

SCALE 1:250 UNO

DESIGNED: JMS DATE SEP 04
 CHECKED: TMBR DATE SEP 04
 DRAWN: RJ DATE SEP 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DB3
 BRUNSWICK BEACH OVERPASS
 GENERAL ARRANGEMENT

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/D/10	ISSUED FOR PROPOSAL SUBMITAL	

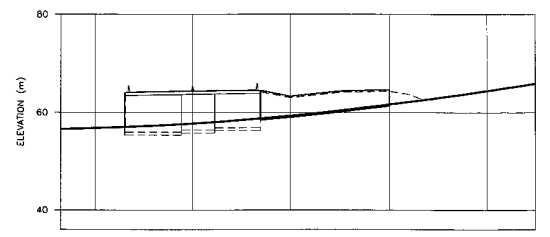
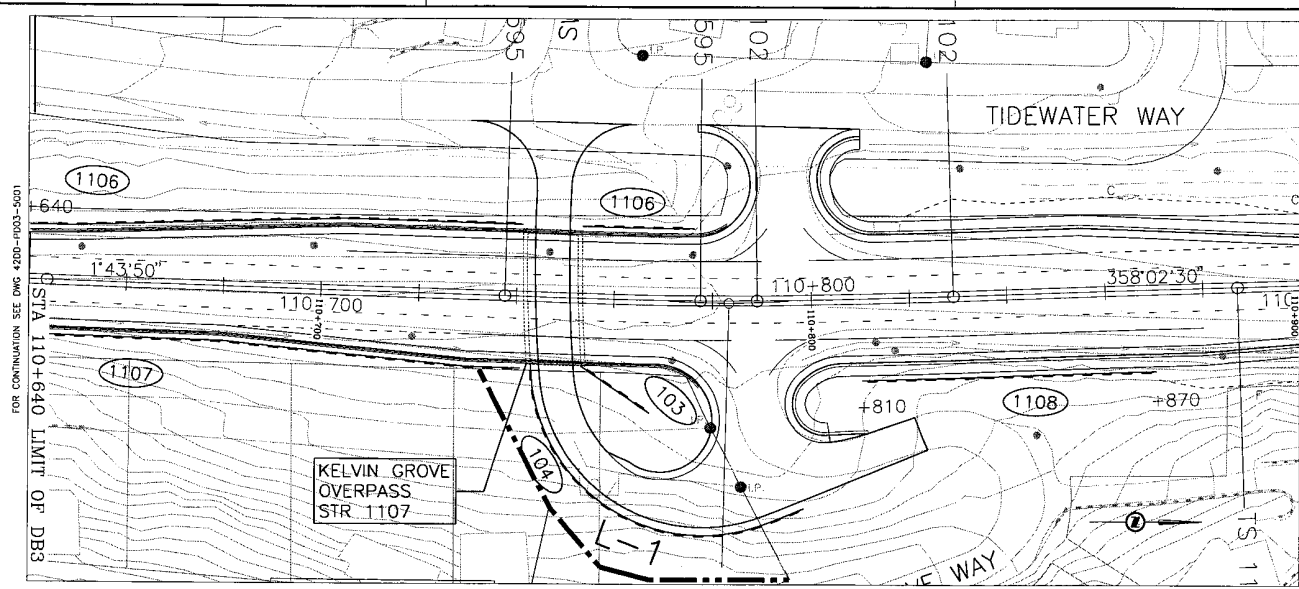
Project Managers: Hatch Mott MacDonald

Design Consultant: Hatch Mott MacDonald

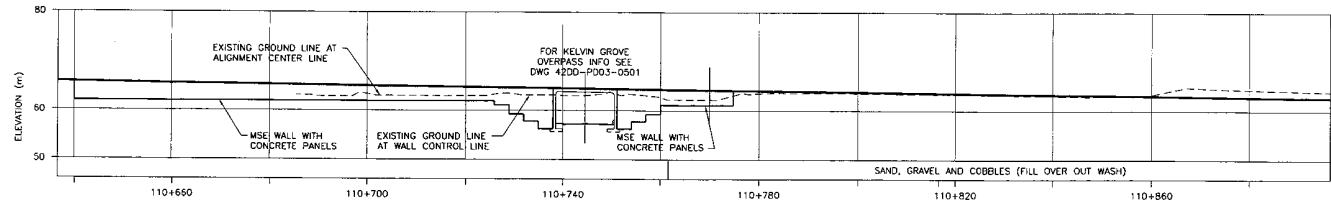
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 08901-ST53 REGION 1 DRAWING No. 42DD-DB03-0601 B1

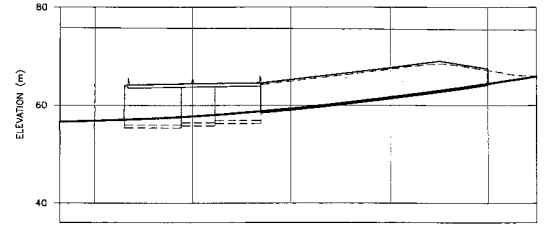
REFERENCE DRAWINGS REVISIONS



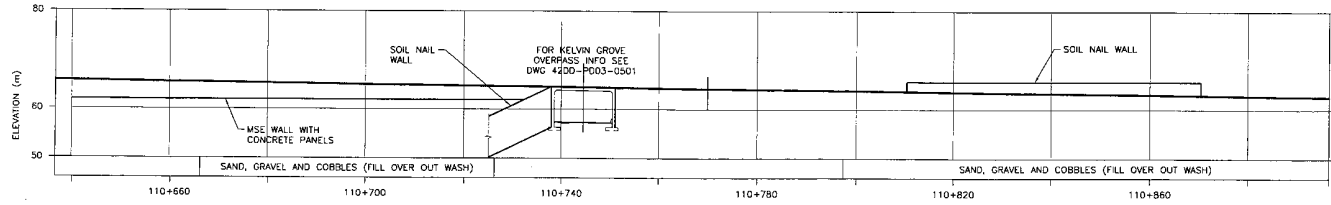
ELEVATION WALL 103
 KELVIN GROVE ROAD



ELEVATION



ELEVATION WALL 104
 KELVIN GROVE ROAD



ELEVATION

S2S TRANSPORTATION GROUP

SCALE 0 25 1:500

DESIGNED BY: DATE: SEP 04
 CHECKED: THAR: DATE: SEP 04
 DRAWN: TB/RY: DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB3
 GENERAL ARRANGEMENT
 STA. 110+640 TO 110+900

DWG. No.	Description	Rev	Date	Description	Signature
		B1	02/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**

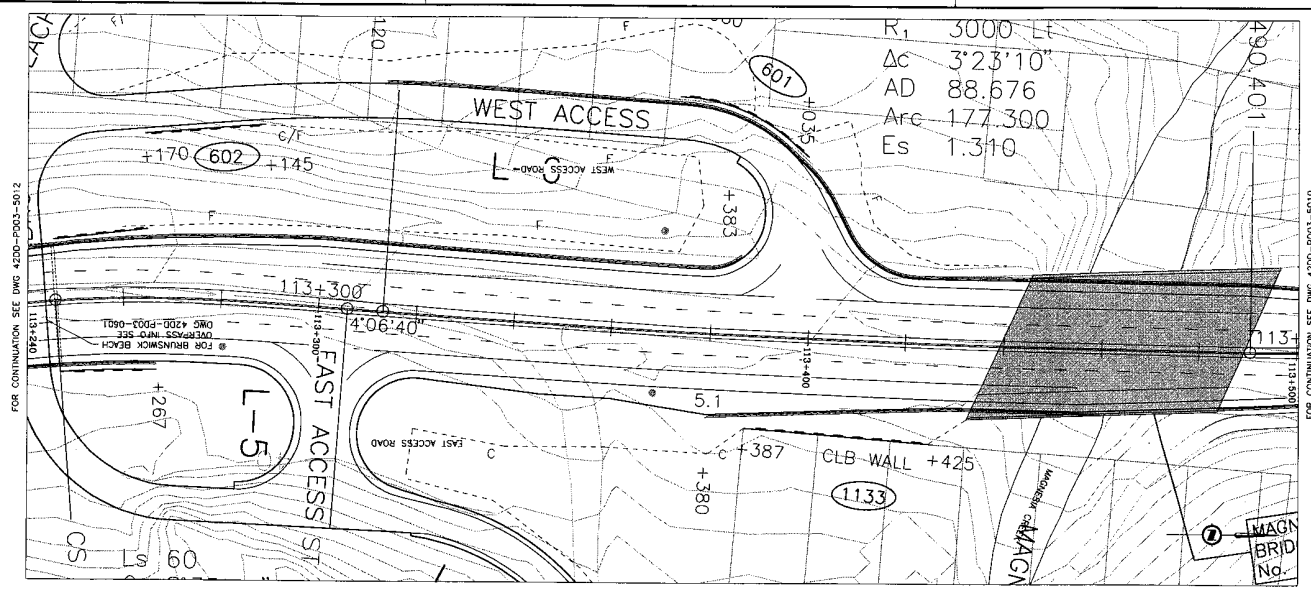
Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER

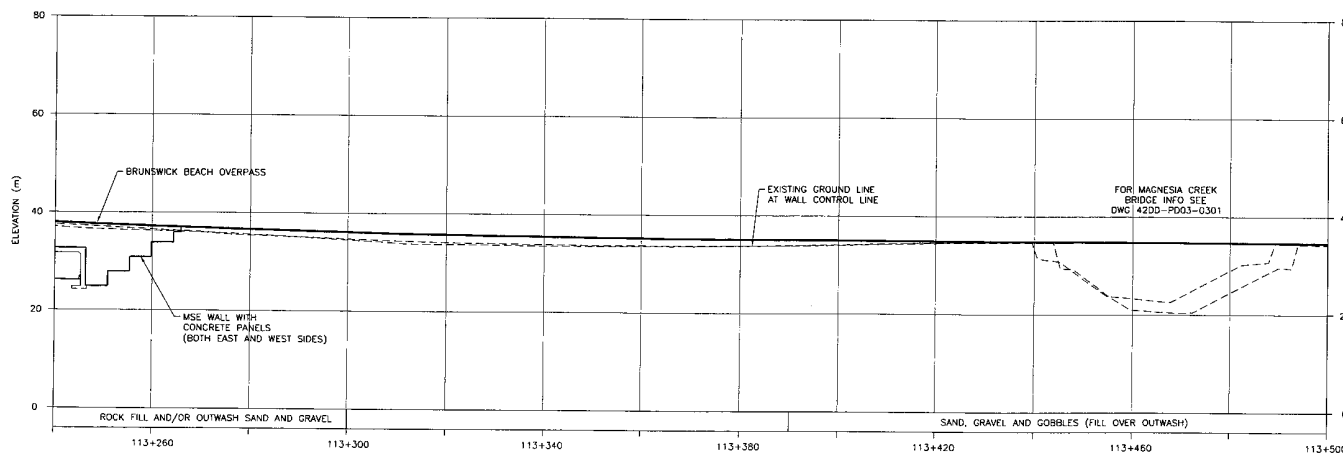
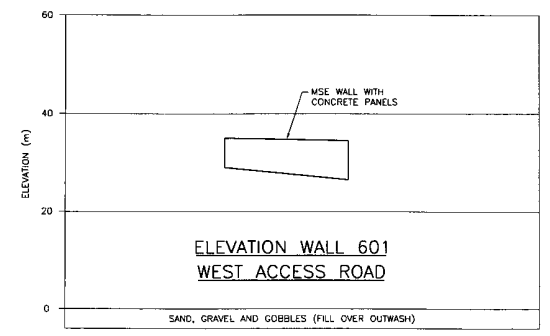
FILE No: 214753-EN10-H
 PROJECT No: 09901-ST53
 REGION: 1
 DRAWING No: 42DD-DB03-5001 | B1

REFERENCE DRAWINGS

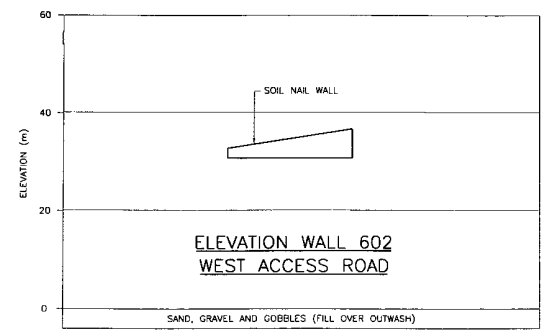
REVISIONS



PLAN



ELEVATION



525 TRANSPORTATION
BRITISH COLUMBIA

SCALE 0 25 1:500

DESIGNED: JS DATE: SEP 04
CHECKED: TMB DATE: SEP 04
DRAWN: TR/JJ DATE: SEP 04
APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB3
GENERAL ARRANGEMENT
STA. 113+240 TO 113+500

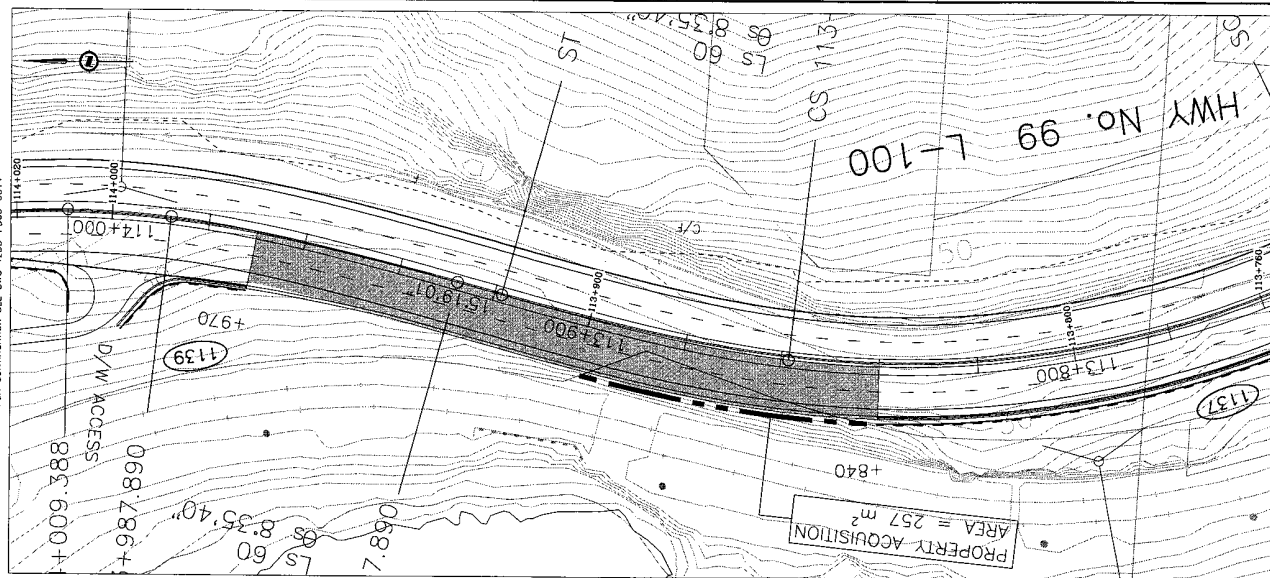
DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITAL	

Project Managers: Hatch Mott MacDonald
Design Consultant: Hatch Mott MacDonald

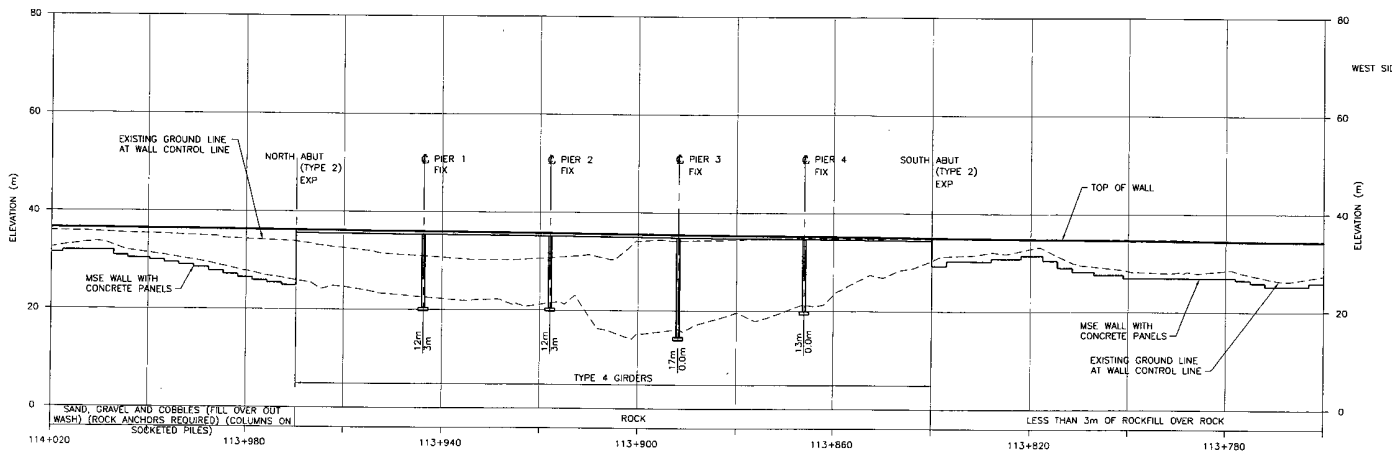
PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER
DATE: _____ DRAWING No. _____

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB03-5011 | B1

REFERENCE DRAWINGS REVISIONS



PLAN

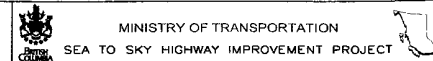


ELEVATION



SCALE 0 1:500

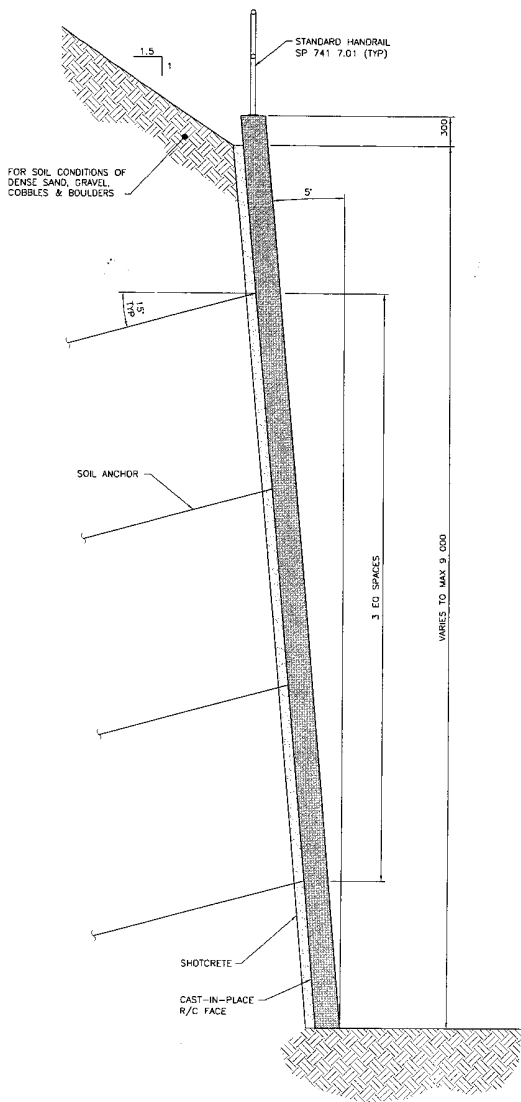
DESIGNED SS DATE SEP 04
 CHECKED TMH DATE SEP 04
 DRAWN TB/DJ DATE SEP 04
 APPROVED _____ DATE _____



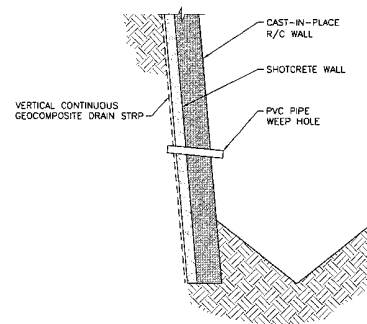
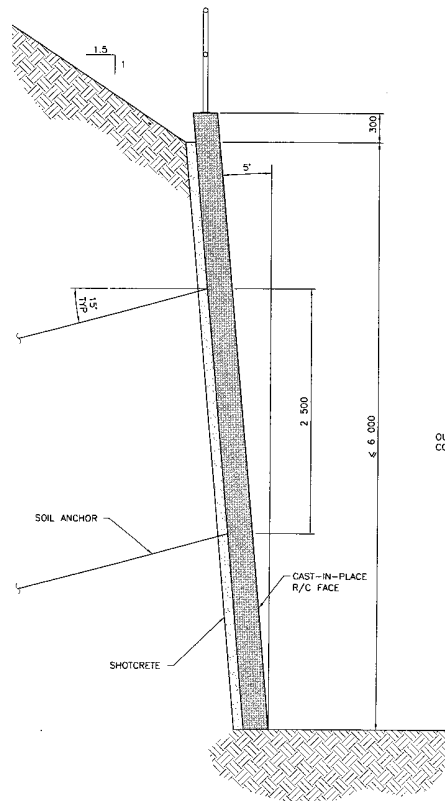
DBFO - HORSESHOE BAY TO WHISTLER DB3
 GENERAL ARRANGEMENT
 STA. 113+760 TO 114+020

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	
REFERENCE DRAWINGS					
REVISIONS					

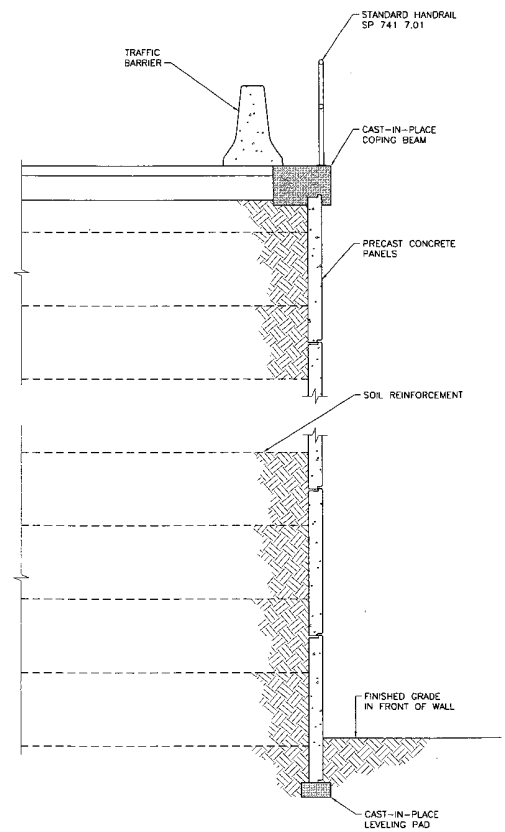
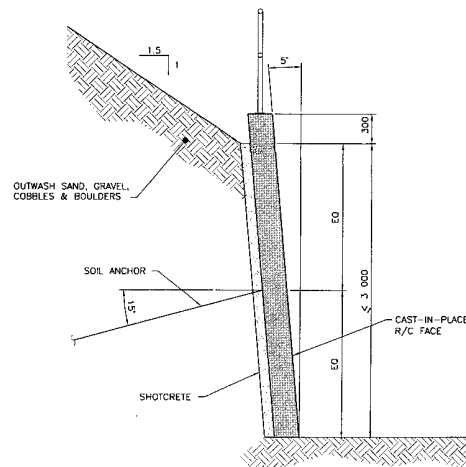
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE NO. 214753-EN10-H	PROJECT NO. 09901-ST53	REGION 1
DATE 42DD-DB03-5013		DATE B1




TYPICAL DETAILS OF SOIL NAIL WALLS




TYPICAL DETAIL OF DRAINAGE REQUIREMENTS FOR SOIL NAIL WALLS





TYPICAL MSE WALL WITH PRECAST CONCRETE PANELS


S2S TRANSPORTATION GROUP
 DESIGNED: JS DATE: SEP 04
 CHECKED: TMBR DATE: SEP 04
 DRAWN: DJ DATE: SEP 04
 APPROVED: DATE:

SCALE: NTS


MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER DB3
TYPICAL DETAILS
MSE WALLS WITH CONCRETE PANELS
AND SOIL NAIL WALLS

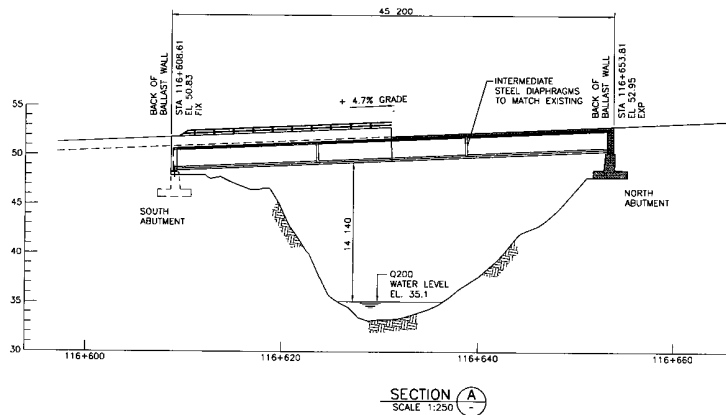
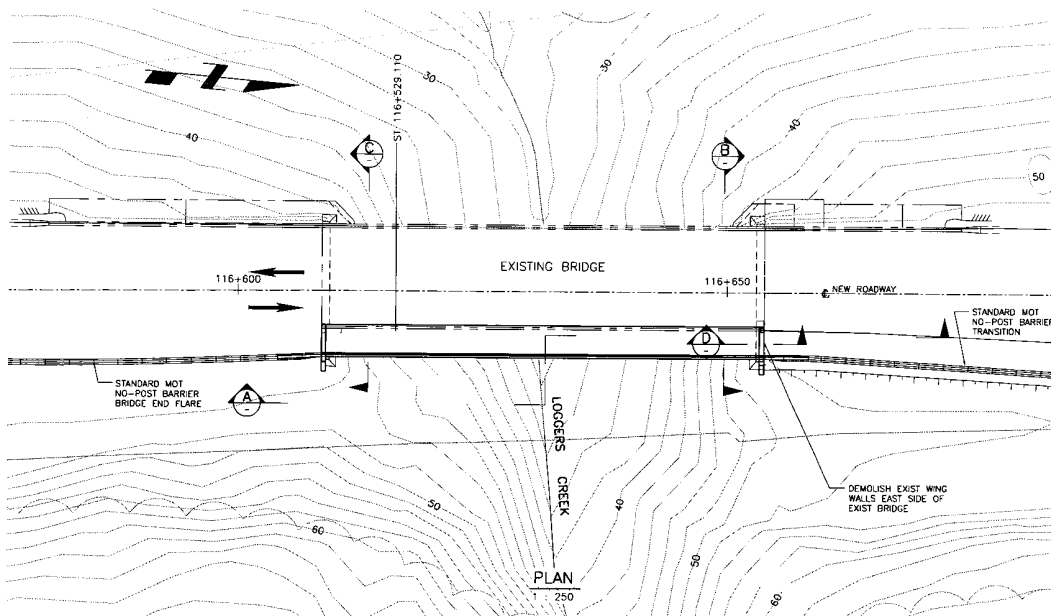
Project Managers:  Hatch Mott MacDonald
 Design Consultant:  Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 DATE:

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB03-9001(B1)

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

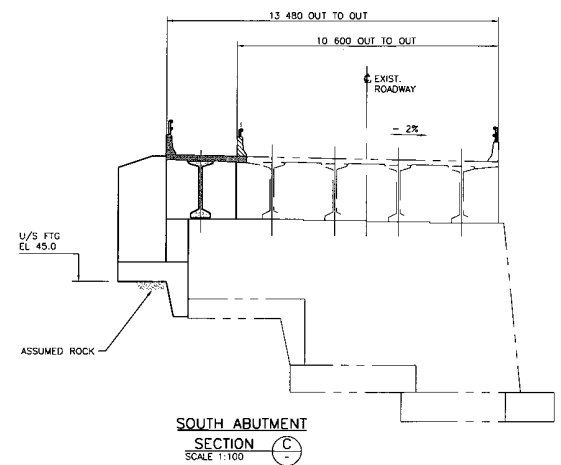
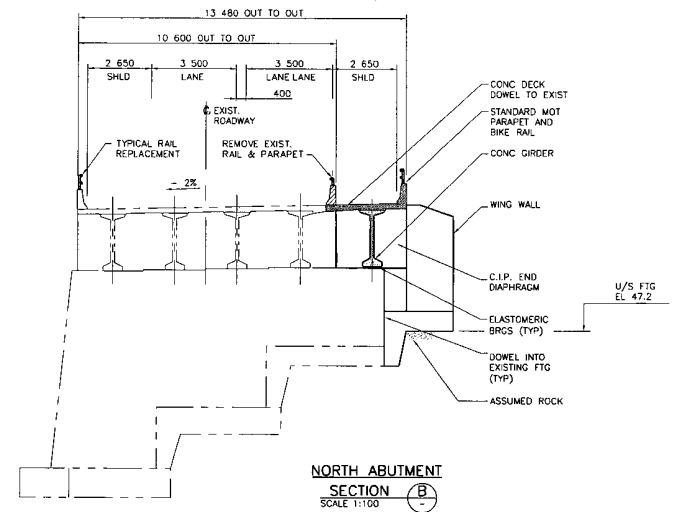
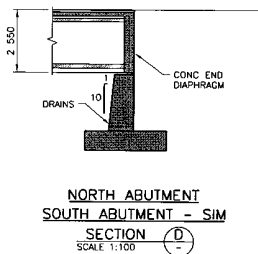
REFERENCE DRAWINGS

REVISIONS



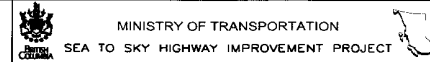
NOTES:

1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00,
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADIT
7. SEISMIC DESIGN: 10% CHANGE IN 50 YRS
a. ZONAL ACCELERATION RATIO: 0.20
b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIER: PL-2
9. CLIMATIC INFORMATION
a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.36 UPd
10. SEISMIC BUFFER, MASKING WALL, INTERMEDIATE DIAPHRAGMS NOT SHOWN.



SCALE 1:250 UNO

DESIGNED: TMAR DATE AUG 04
CHECKED: TP DATE AUG 04
DRAWN: OK DATE AUG 04
APPROVED: DATE



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
DB4
LOGGERS CREEK BRIDGE EAST
GENERAL ARRANGEMENT

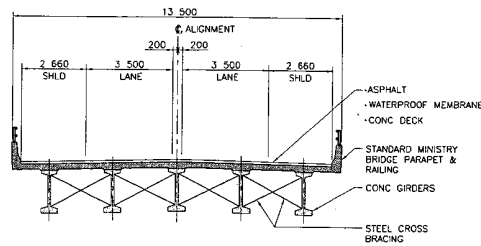
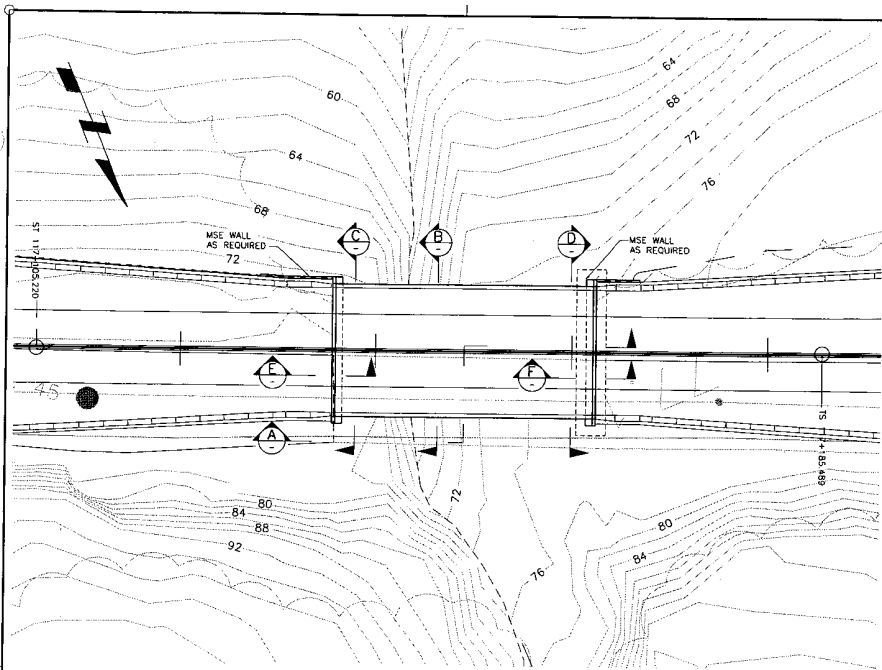
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-H	PROJECT No. 099011-ST53	REGION 1
DRAWING No. 42DD-DB04-0201		1

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	TMAR

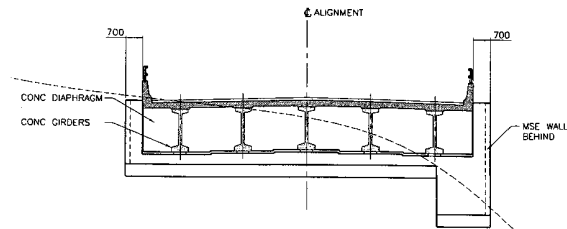
REFERENCE DRAWINGS

REVISIONS

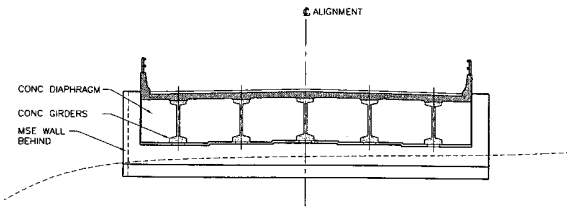
CANCEL PRINTS BEARING PREVIOUS LETTER



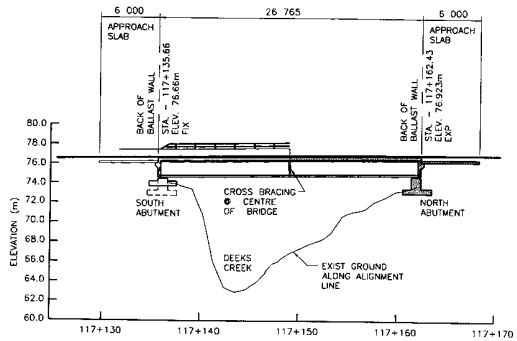
SECTION B
SCALE 1:100



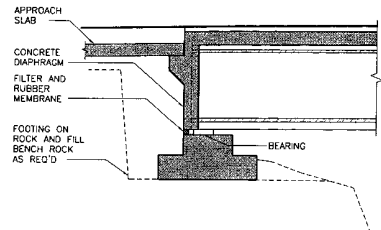
SOUTH ABUTMENT
SECTION C
SCALE 1:100



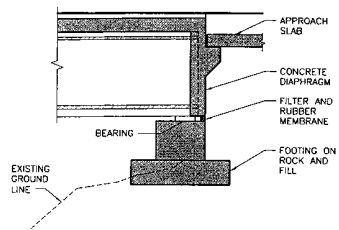
NORTH ABUTMENT
SECTION D
SCALE 1:100



SECTION A PLAN
SCALE 1:250 SCALE 1:250



SECTION E
SCALE 1:50



SECTION F
SCALE 1:50

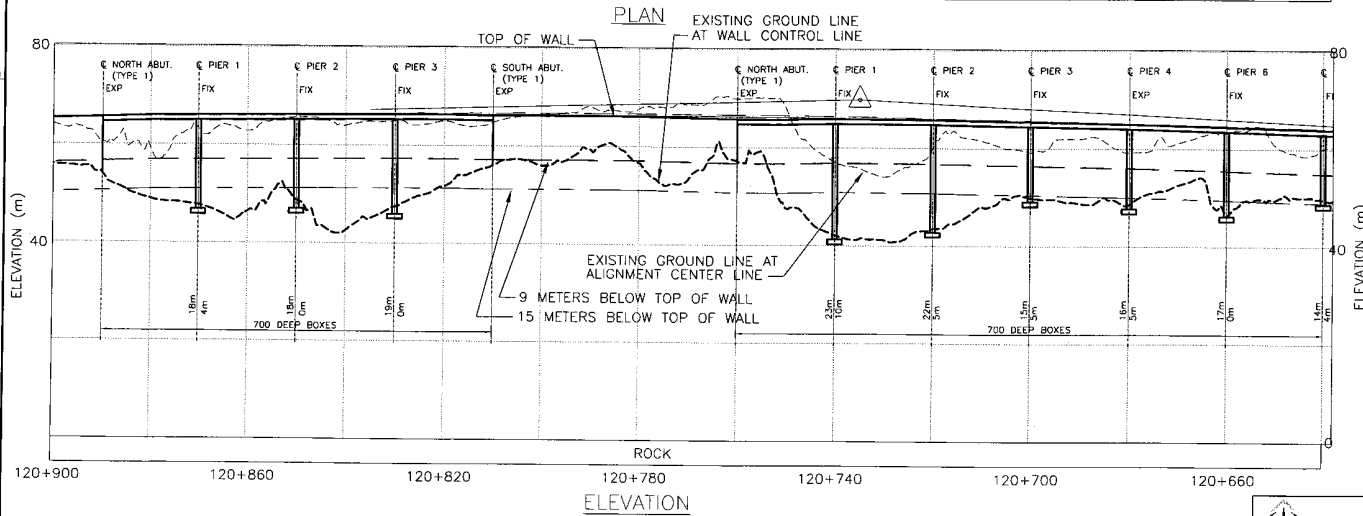
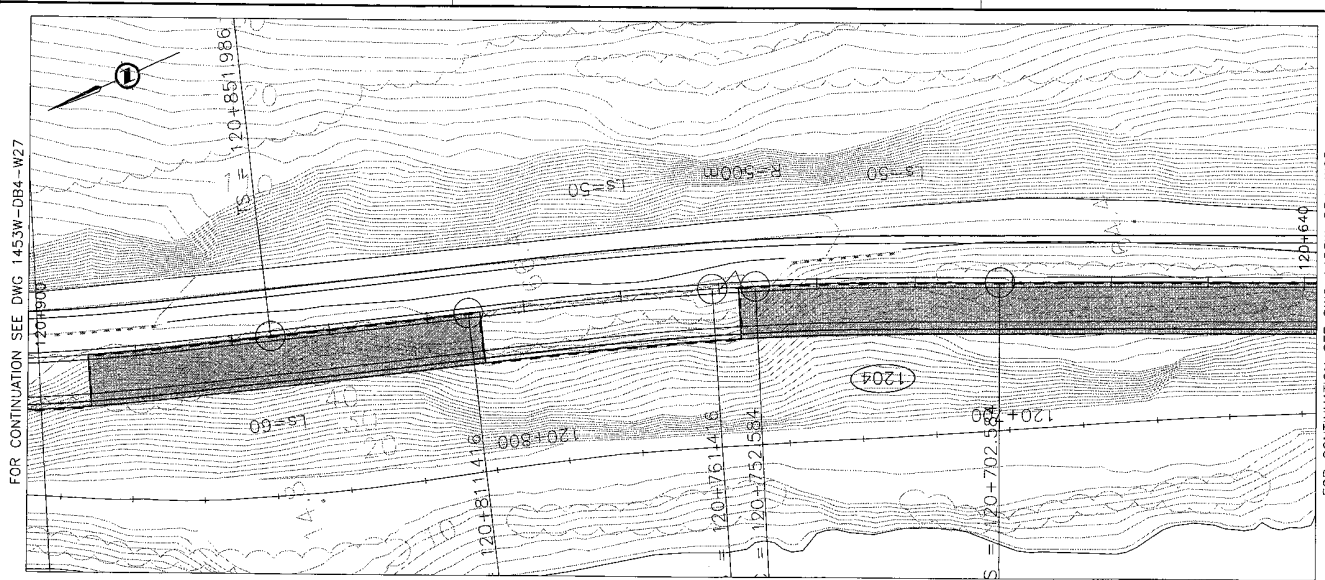
- NOTES:**
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-825
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADT
 - SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - ZONAL ACCELERATION RATIO: 0.19
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIER: PL-2
 - CLIMATIC INFORMATION:
 - MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

SCALE 1:250 UNO		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED: TMR	DATE: 18/09/04	DBFO - HORSESHOE BAY TO WHISTLER DB4	
CHECKED: TP	DATE: 20/09/04	DEEKS CREEK BRIDGE	
DRAWN: GK	DATE: 28/09/04	GENERAL ARRANGEMENT	
APPROVED:	DATE:		
Rev	Date	Description	Signature
B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

DWG. No.	Description

		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: _____
FILE No. 214753-ENO-H	PROJECT No. 09901-ST53	REVISION 1
DRAWING No. 42DD-DB04-0301 B1		

REFERENCE DRAWINGS REVISIONS



- NOTES:**
1. FOR GENERAL NOTES SEE DWG 4200-DB00-9001.
 2. FOR RELATED CROSS SECTIONS SEE DWG 4200-DB04-0991 TO 9008.

S2S TRANSPORTATION GROUP

DESIGNED BY: DATE: AUG 04
 CHECKED BY: DATE: CH. DATE
 DRAWN BY: DATE: AUG 04
 APPROVED BY: DATE:

SCALE: 0 25 1:500

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB4
 GENERAL ARRANGEMENT
 STA. 120+640 TO 120+900

DWG. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

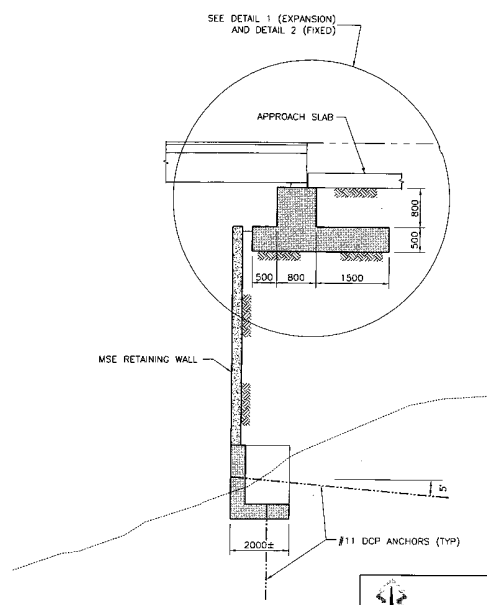
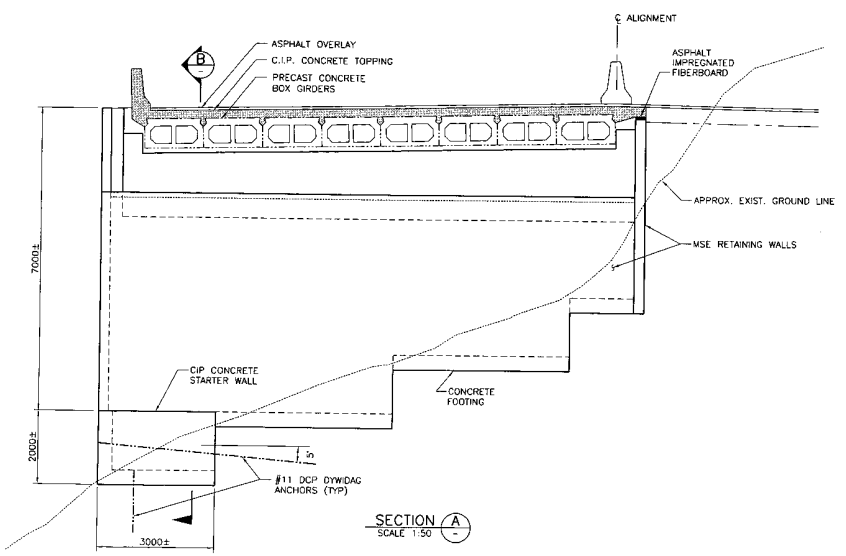
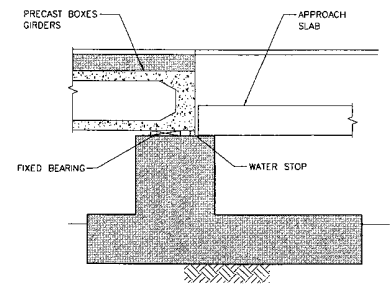
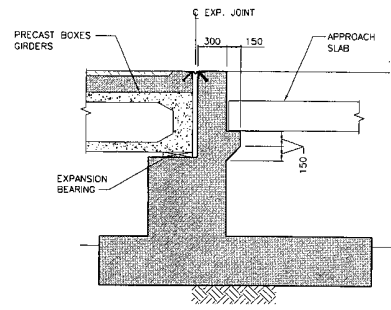
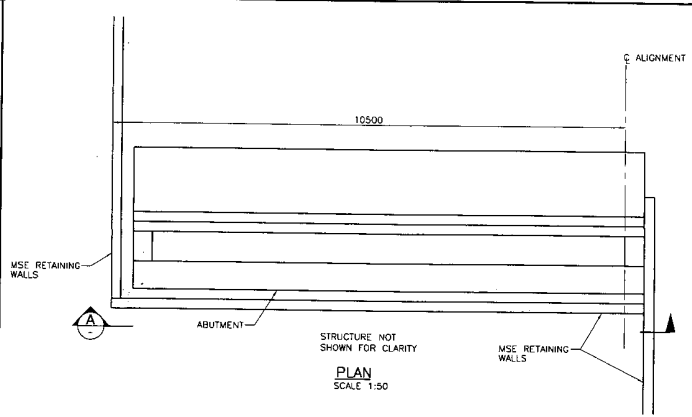
Reference Drawings	Revisions

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 4200-DB04-5026 [B1]

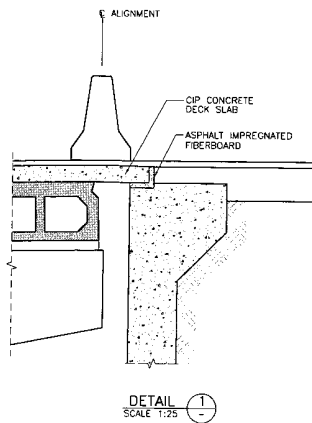
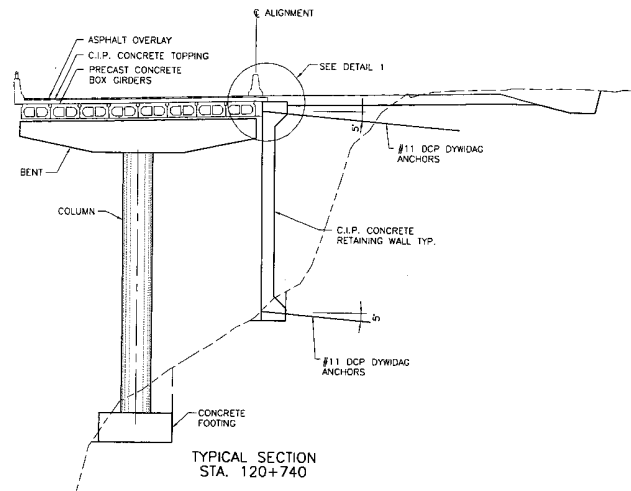
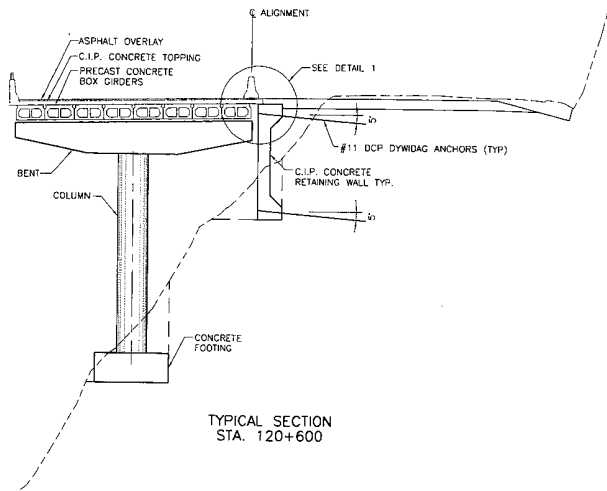


S2S TRANSPORTATION GROUP
 SCALE 1:50
 DESIGNED: JS DATE AUG 04
 CHECKED: TP DATE SEP 04
 DRAWN: JS DATE AUG 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER DB4
 TYPICAL ABUTMENT TYPE '1'
 GENERAL ARRANGEMENT

DWG. No.	Description	Rev	Date	Description	Signature
			PA 05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS					
REVISIONS					

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 42DD-DB04-9001 PA



S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: TM DATE: JULY 04
CHECKED: TP DATE: SEP 04
DRAWN: TB DATE: JULY 04
APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB04

TYPICAL BENTS
STA. 120+600 AND 120+740

DWG. No.	Description

REFERENCE DRAWINGS

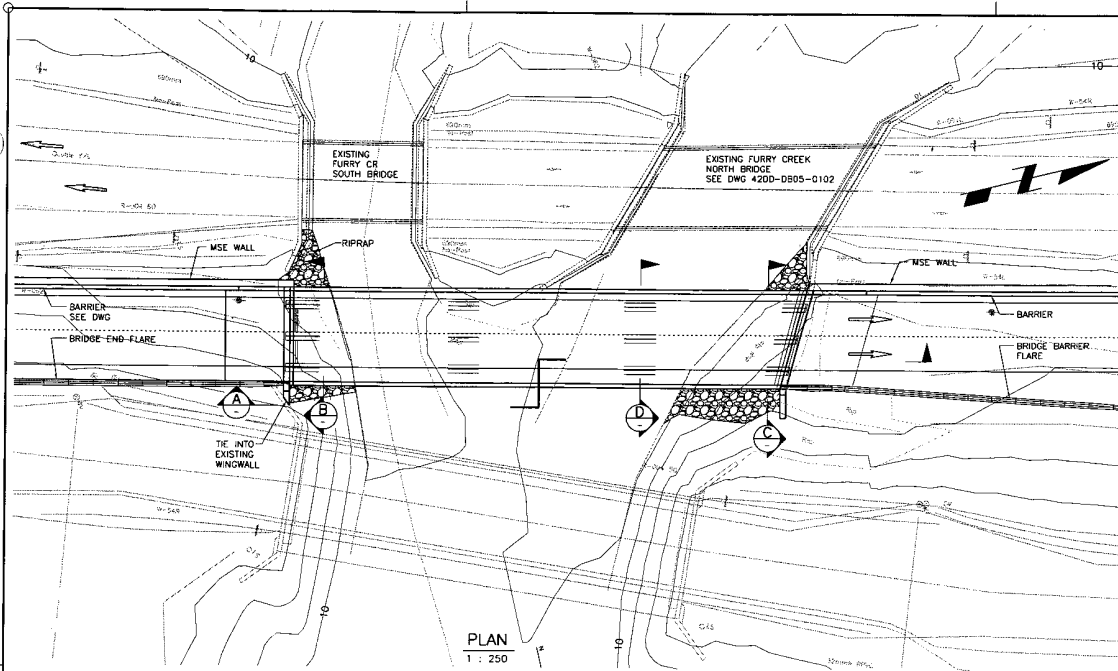
Rev	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

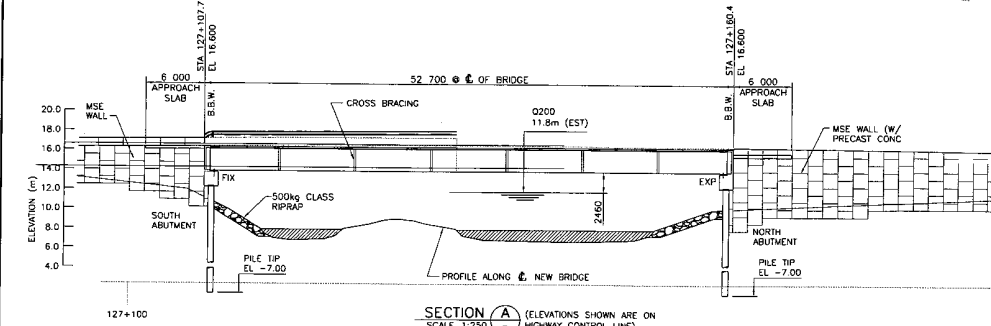
Project Managers: **Hatch Mott MacDonald**
Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

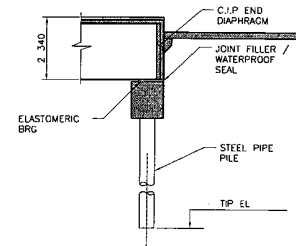
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB04-9008 PA



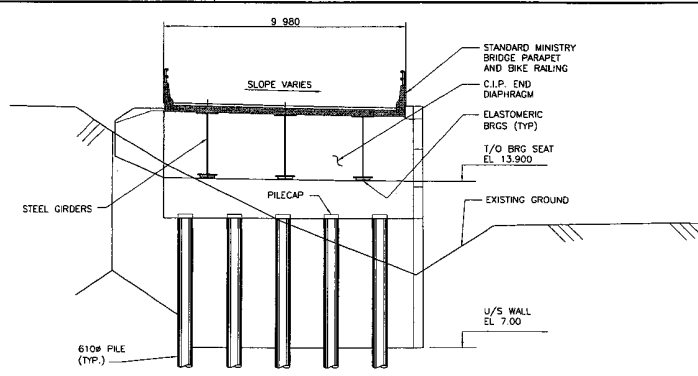
PLAN
1 : 250



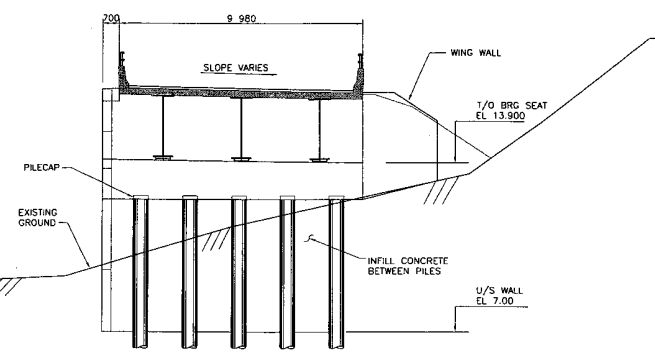
SECTION A (ELEVATIONS SHOWN ARE ON HIGHWAY CONTROL LINE)
SCALE 1:250



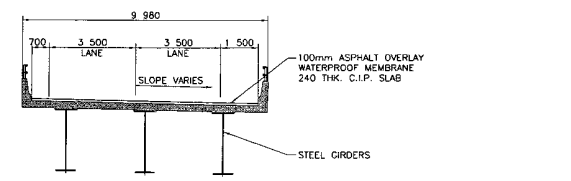
NORTH ABUTMENT
SOUTH ABUTMENT - SIM
SECTION E
SCALE 1:100



SECTION B
SCALE 1:100



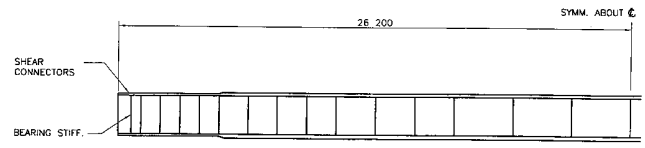
SECTION C
SCALE 1:100



SECTION D
SCALE 1:100

NOTES:

1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75 YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADIT
7. SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.17
 - b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIERS: FL-2
9. CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.
10. SEISMIC BUFFER, MASKING WALL, INTERMEDIATE DIAPHRAGMS NOT SHOWN.



TYP. COMPOSITE GIRDER ELEVATION
SCALE: N.T.S.

DWG. No.	Description	Rev.	Date	Description	Signature
		01	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

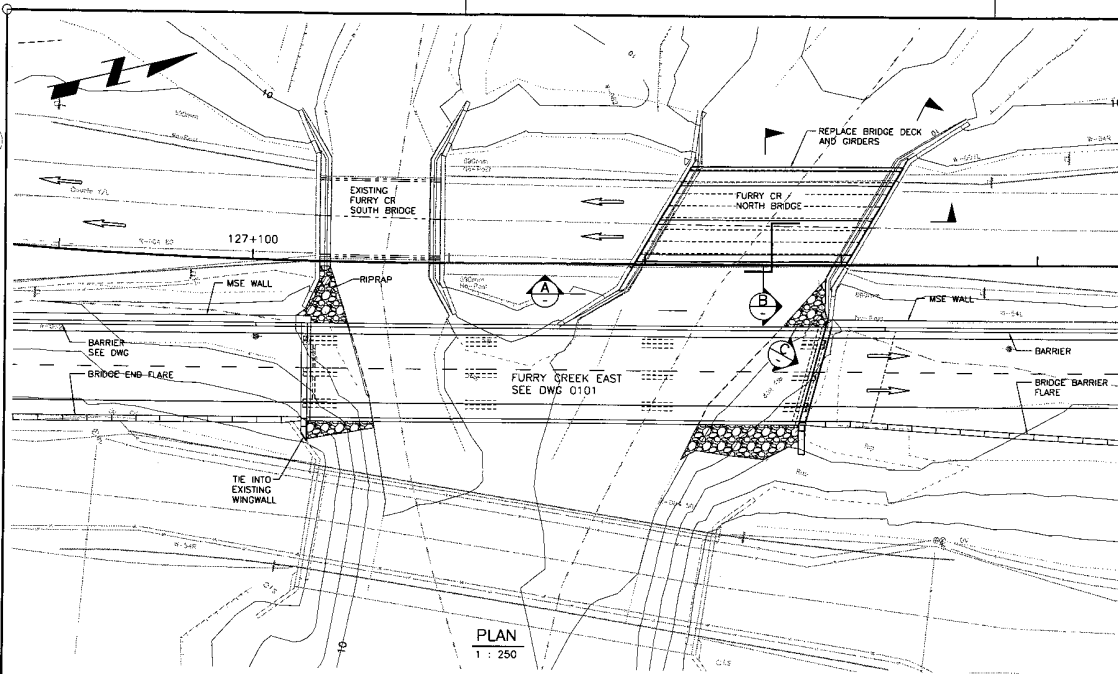
SCALE: AS SHOWN

DESIGNED: JM	DATE: 12/22/04
CHECKED: JP	DATE: 12/28/04
DRAWN: ST/CS	DATE: 10/18/04
APPROVED: JME	DATE:

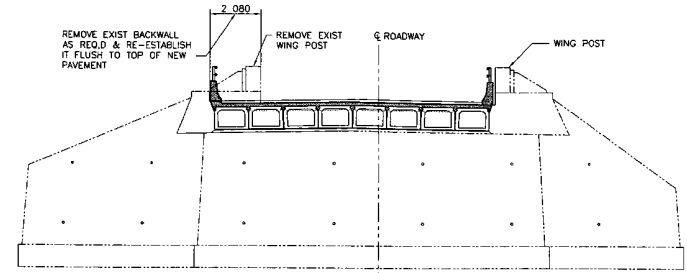
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB5
FURRY CREEK BRIDGE EAST - No. 1465
GENERAL ARRANGEMENT

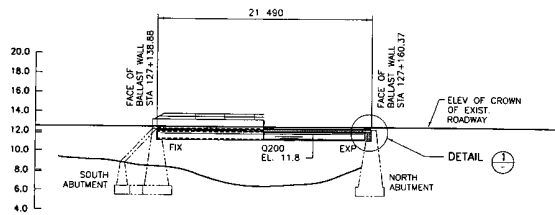
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF
FILE No. 214753-ENIO-H	PROJECT No. 09901-ST53	REGION 1
DATE	DRAWING No. 42DD-DB05-0101	SENIOR DESIGN ENGINEER



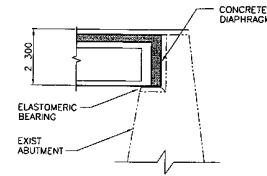
PLAN
SCALE 1:250



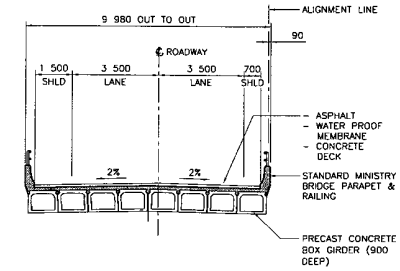
SECTION C
SCALE 1:100
SOUTH ABUTMENT SIMILAR



SECTION A
SCALE 1:250



DETAIL 1
SCALE 1:50

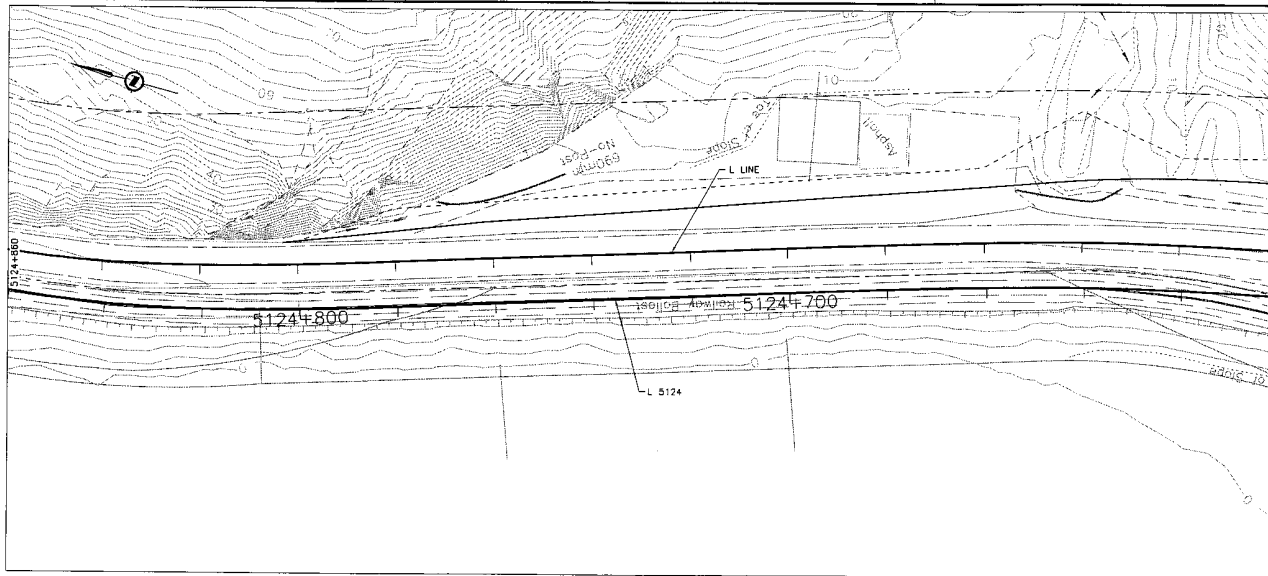


SECTION B
SCALE 1:100

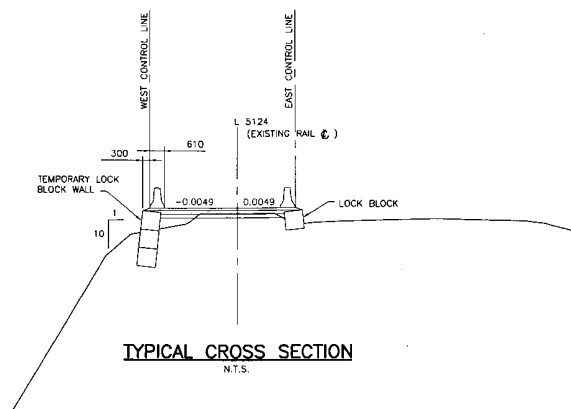
NOTES:

1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00,
4. DEAD LOAD INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADTT
7. SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.15
 - b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIER: PL-2
9. CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.
10. SEISMIC BUFFER, MASKING WALL, INTERMEDIATES DIAPHRAGMS NOT SHOWN.

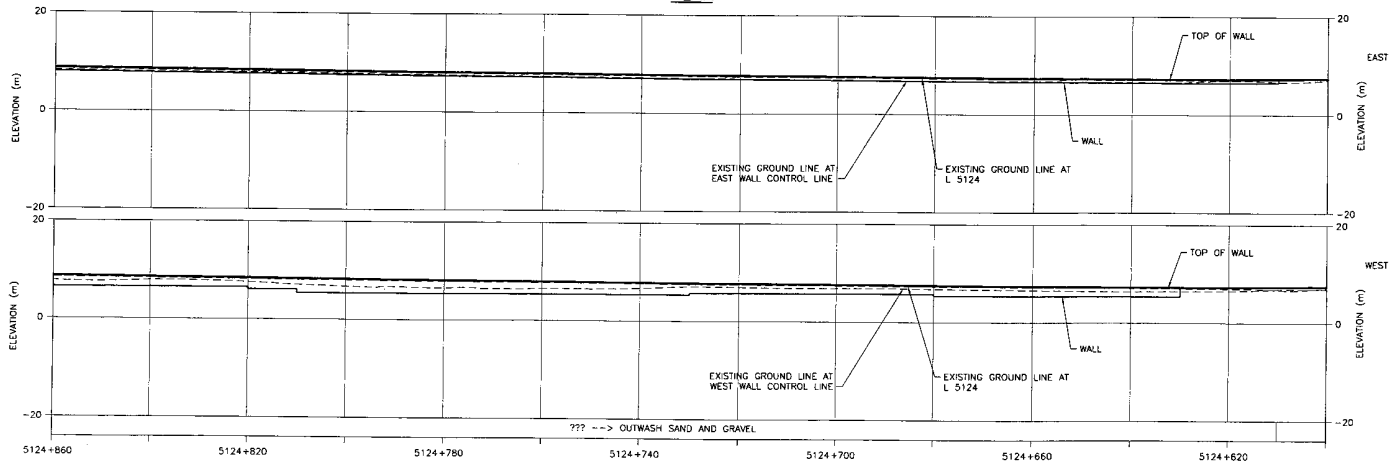
	 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
	DBFO - HORSESHOE BAY TO WHISTLER DBS FURRY CREEK NORTH BRIDGE GENERAL ARRANGEMENT	
SCALE AS SHOWN DESIGNED: JM DATE: 05/10/04 CHECKED: AP DATE: 12/09/04 DRAWN: YB DATE: 10/08/04 APPROVED: DATE:	Project Managers: Hatch Mott MacDonald Design Consultant: Hatch Mott MacDonald PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER DATE: _____ FILE No.: 214753-ENIO-H PROJECT No.: 08901-ST53 REGION: 1 DRAWING No.: 42DD-DB05-0102 B1	
DWG. No. Description Rev. Date Description Signature B1 05/11/10 ISSUED FOR PROPOSAL SUBMISSION	REFERENCE DRAWINGS REVISIONS	



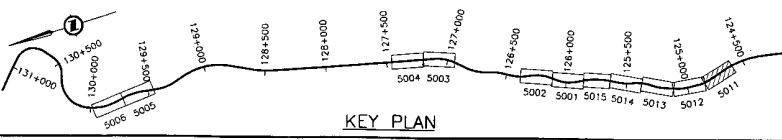
PLAN



TYPICAL CROSS SECTION
N.T.S.



ELEVATION



KEY PLAN

525 TRANSPORTATION GROUP

SCALE 0 25 1:500

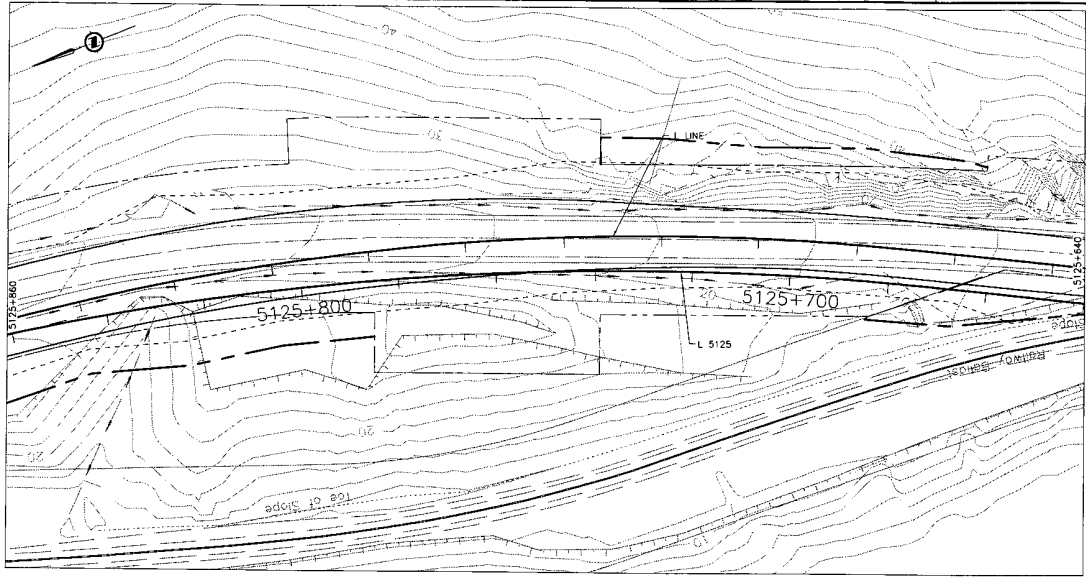
DESIGNED BY DATE OCT 04
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 DRAWN BY DATE OCT 04
 APPROVED BY DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

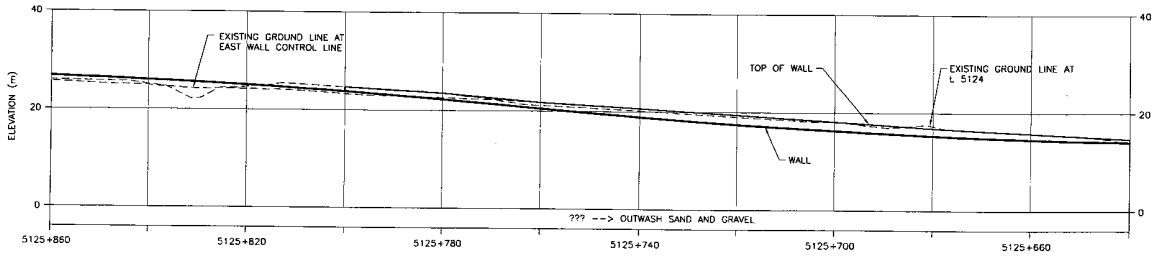
DBFO - HORSESHOE BAY TO WHISTLER
 DB5
 GENERAL ARRANGEMENT
 STA 5124+600 TO STA 5124+860

DWG No.	Description	Rev	Date	Description	Signature
		B1	05/01/18	ISSUED FOR PROPOSAL SUBMITTAL	
REFERENCE DRAWINGS		REVISIONS			

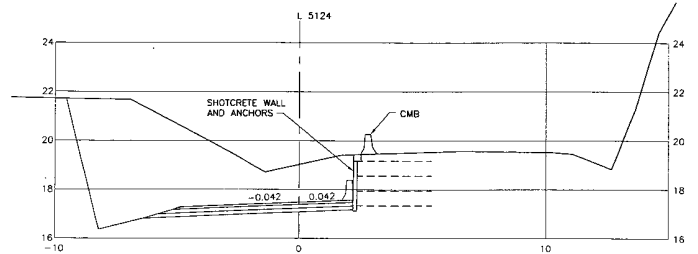
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE NO. 214753-EN10-H	PROJECT NO. 09901-ST53	REGION 1
		DRAWING NO. 4200-DB05-5011 B1



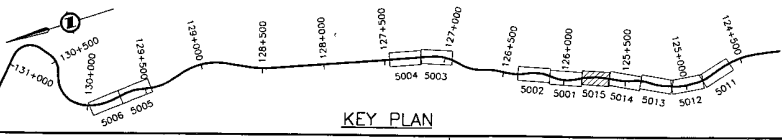
PLAN



ELEVATION



CROSS SECTION
N.T.S.



KEY PLAN

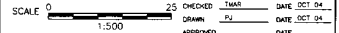
DWG. No.	Description

Rev	Date	Description	Signature
B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

REVISIONS

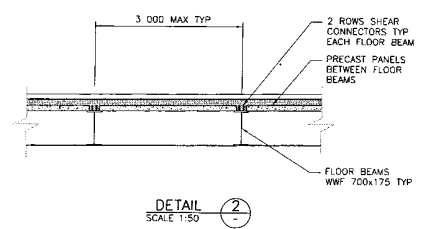
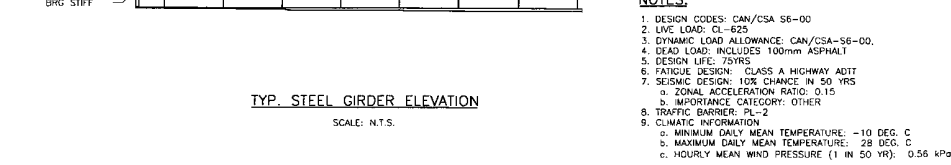
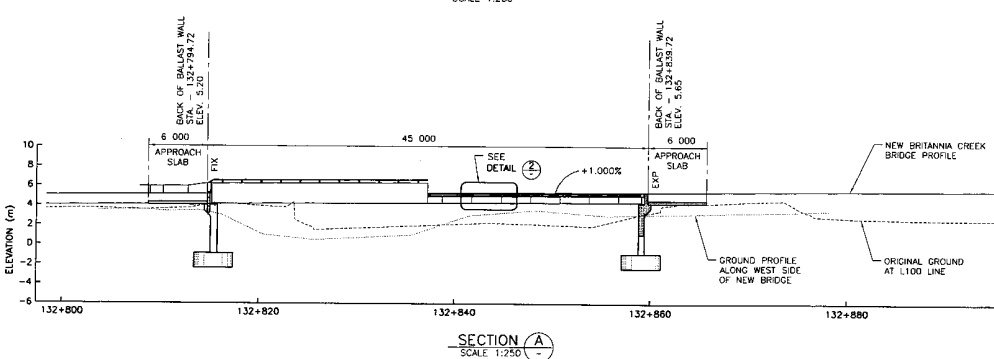
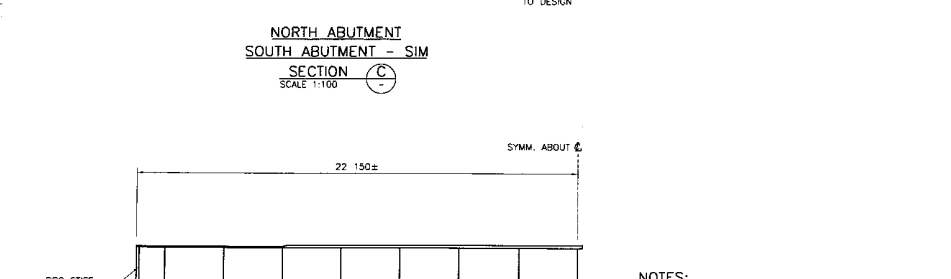
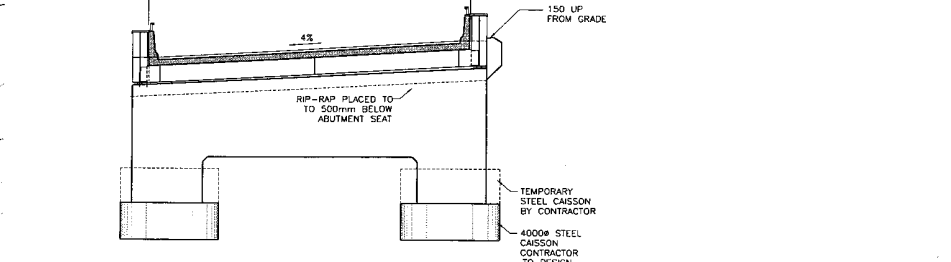
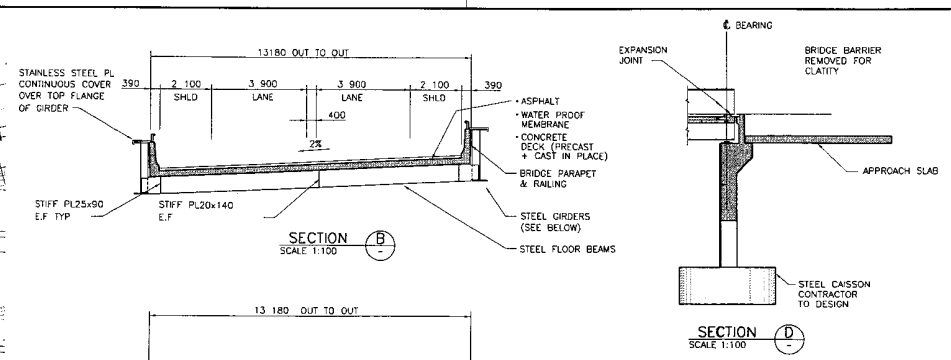
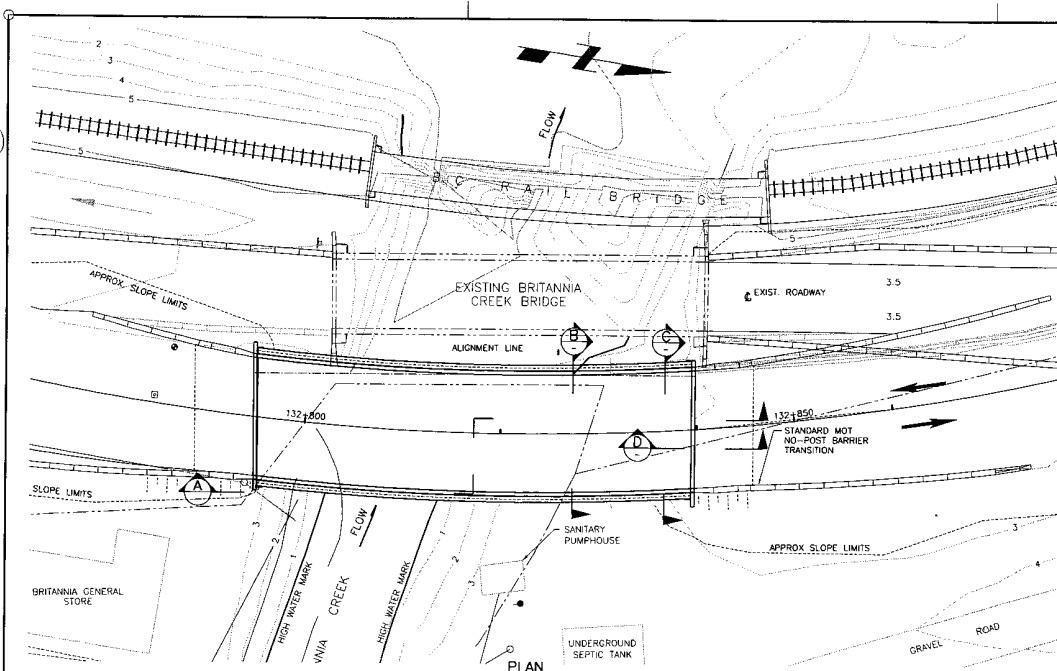
DESIGNED: JS DATE: OCT 04
 CHECKED: TMR DATE: OCT 04
 DRAWN: JLV DATE: OCT 04
 APPROVED: DATE:



MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DBS
 GENERAL ARRANGEMENT
 STA 5125+640 TO STA 5125+860

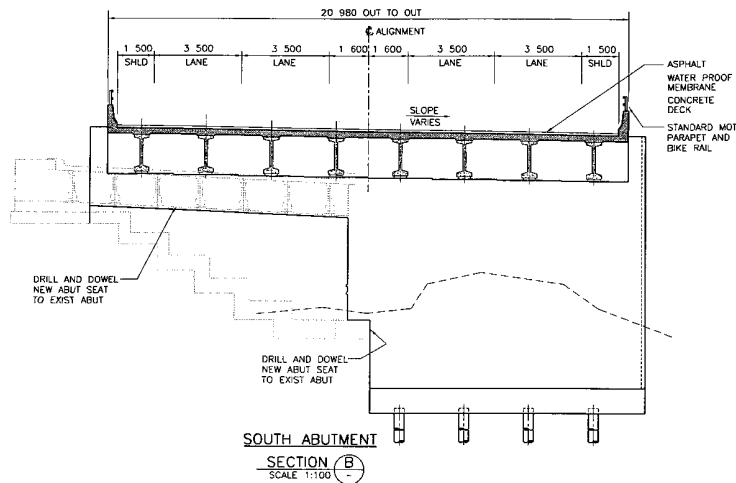
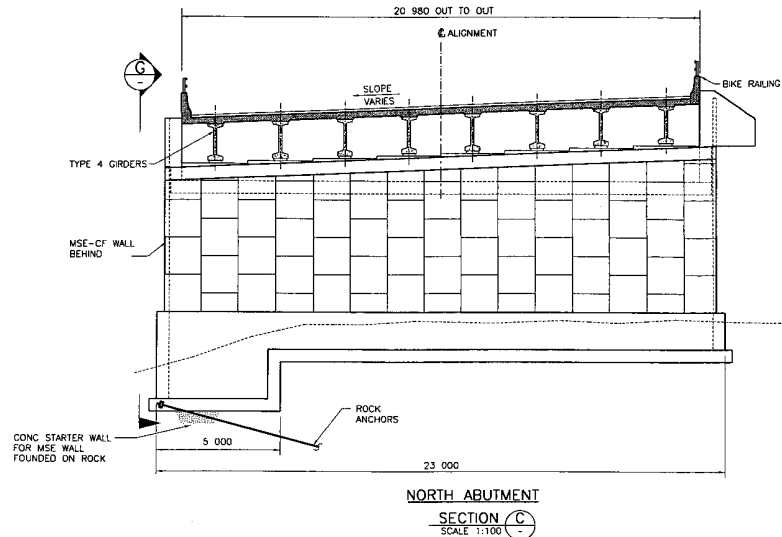
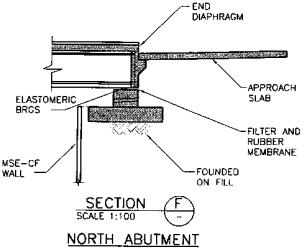
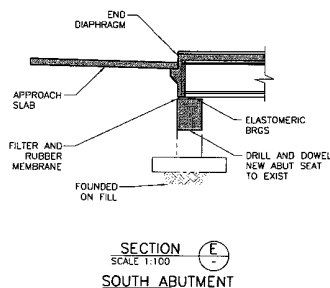
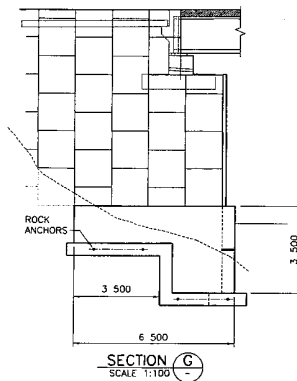
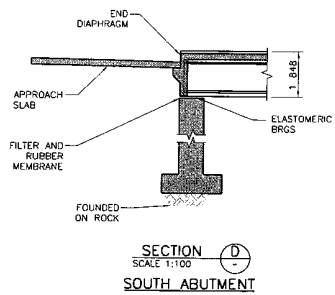
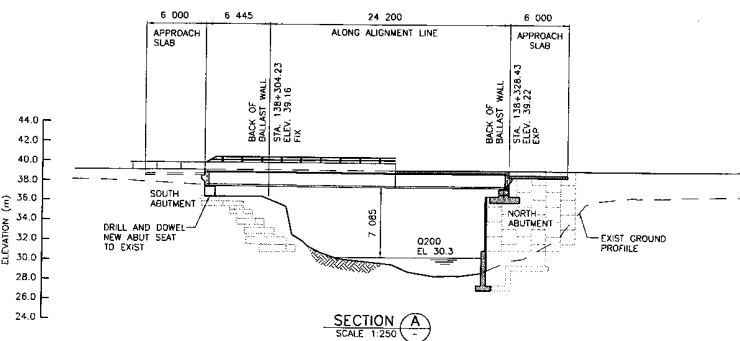
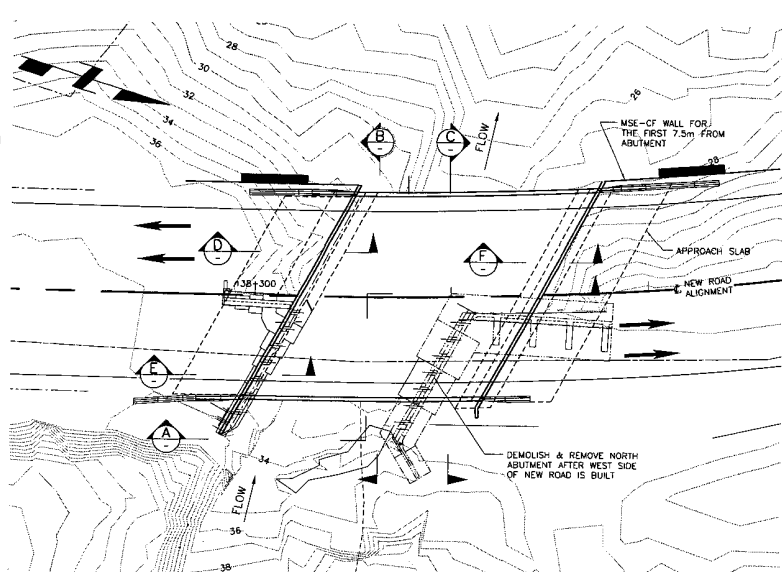
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DRAWING No. 42DD-DB05-5015		B1



- NOTES:
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADTT
 - SEISMIC DESIGN: 10% INCREASE IN 50 YRS
 - ZONAL ACCELERATION RATIO: 0.15
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIER: PL-2
 - CLIMATIC INFORMATION
 - MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

DESIGNED: JMB DATE 12/05/04 CHECKED: AP DATE 15/05/04 DRAWN: OK DATE 15/05/04 APPROVED: DATE		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER DB6 BRITANNIA CREEK BRIDGE GENERAL ARRANGEMENT	
SCALE AS SHOWN	PROJECT MANAGERS 	DESIGN CONSULTANT 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
DWG. No. Description Rev. Date Description Signature	PROJECT No. 214753-EN10-H	REGION 09901-ST53	DATE:
REFERENCE DRAWINGS		REVISIONS	

10000 2000 3000 4000 5000 6000 7000 8000 9000 10000



NOTES:

- DESIGN CODES: CAN/CSA S6-00
- LINE LOAD: CL-925
- DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
- DEAD LOAD: INCLUDES 100mm ASPHALT
- DESIGN LIFE: 75YRS
- FATIGUE DESIGN: CLASS A HIGHWAY ADT
- SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.15
 - b. IMPORTANCE CATEGORY: OTHER
- TRAFFIC BARRIER: PL-2
- CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: JMAP DATE 22/09/04
 CHECKED: JAP DATE 02/09/04
 DRAWN: CK DATE 27/08/04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DB7
 GONZALES CREEK BRIDGE
 GENERAL ARRANGEMENT

DWG. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

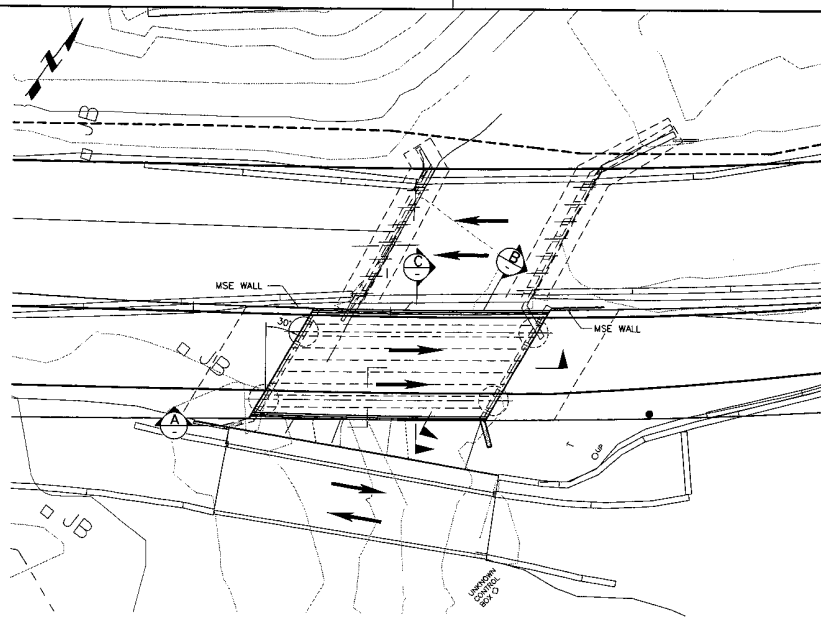
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

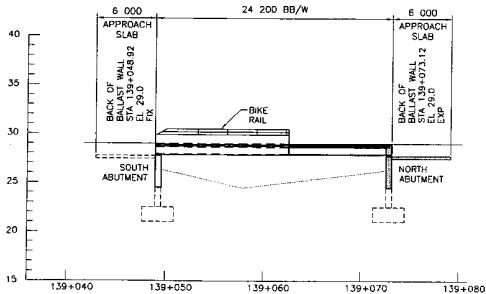
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER

FILE NO. **214753-EN10-H** PROJECT NO. **08901-ST53** REGION **1** DRAWING NO. **42DD-DB07-0101|B1**

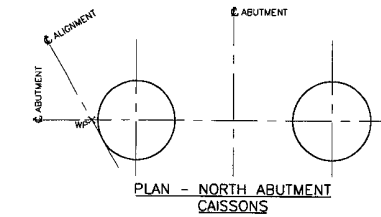
REFERENCE DRAWINGS REVISIONS



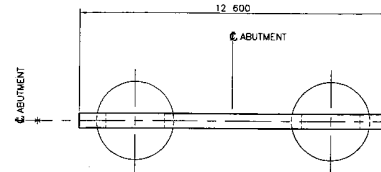
PLAN
1 : 250



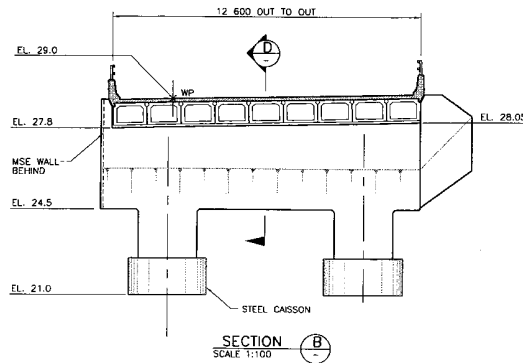
SECTION A
SCALE 1:250



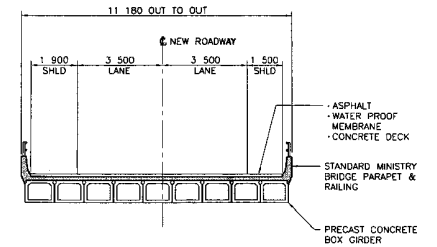
PLAN - NORTH ABUTMENT
CAISSONS



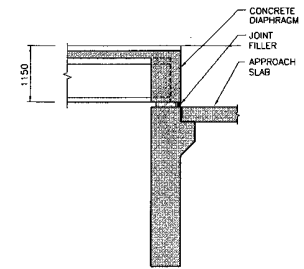
PLAN - NORTH ABUTMENT



SECTION B
SCALE 1:100



SECTION C
SCALE 1:100



SECTION D
SCALE 1:50

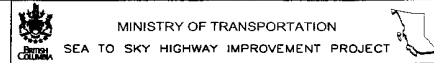
NOTES:

1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: CL-625
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADIT
7. SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.17
 - b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIER: PL-2
9. CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.



SCALE AS NOTED

DESIGNED: JP DATE: SEP 04
 CHECKED: JM DATE: SEP 04
 DRAWN: JLB DATE: SEP 04
 APPROVED: DATE:



DBFO - HORSESHOE BAY TO WHISTLER
 DB7
 SHANNON CREEK BRIDGE
 GENERAL ARRANGEMENT

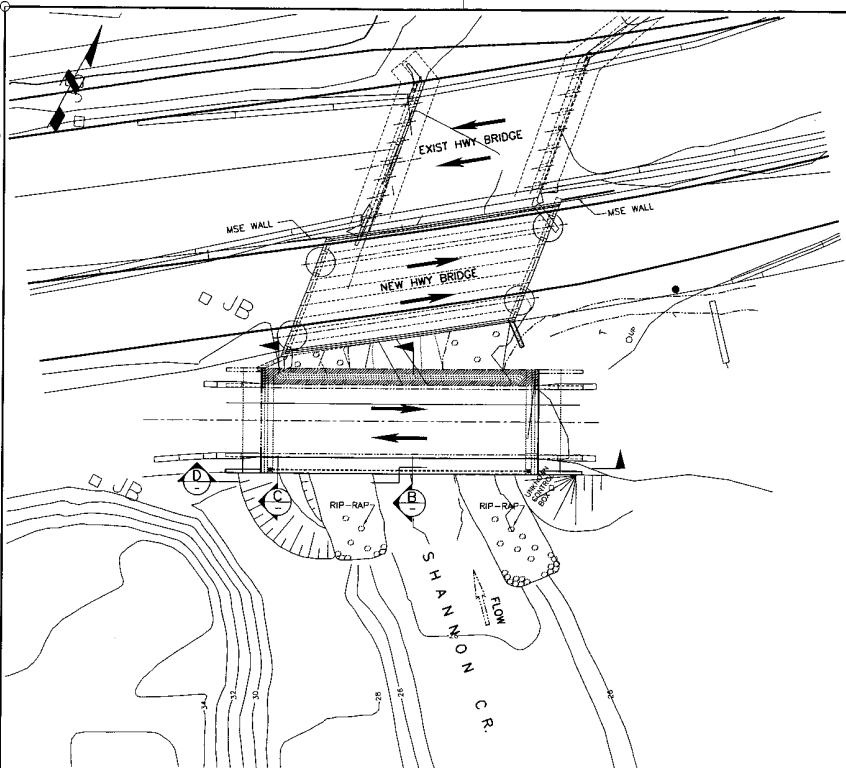
Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-TBC REGION 1 DATE 1 DRAWING No. 42DD-0807-0201 | B1

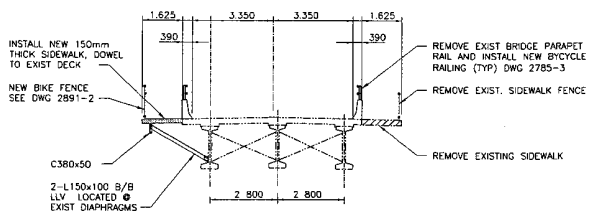
DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

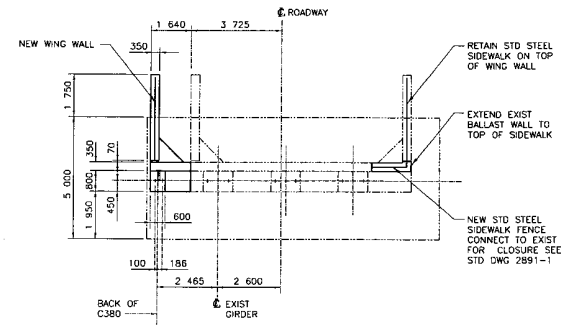
REVISIONS



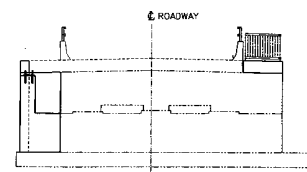
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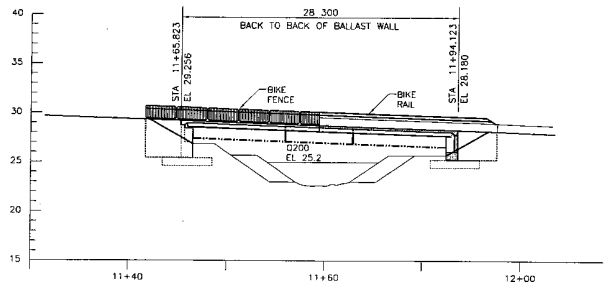
SECTION B
SCALE 1:100



PLAN NORTH ABUTMENT
PLAN SOUTH ABUTMENT - SIM



SECTION C
SCALE 1:100
ELEVATION NORTH ABUTMENT
ELEVATION SOUTH ABUTMENT - SIM



SECTION A (ELEVATIONS TO COME)
SCALE 1:250

- NOTES:
- DESIGN CODES: CAN/CSA S6-00
 - SEISMIC DESIGN: 10% CHANGE IN 50 YRS
a. ZONAL ACCELERATION RATIO: 0.17
b. IMPORTANCE CATEGORY: OTHER

TRANSPORTATION GROUP

SCALE AS NOTED

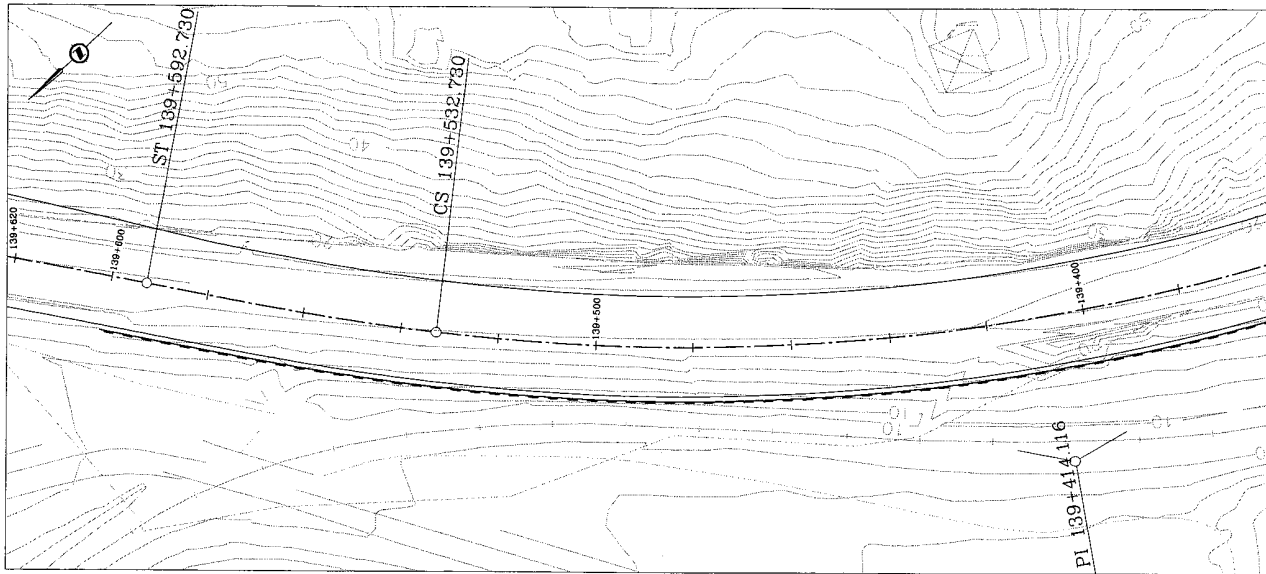
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CHECKED JM DATE NOV 04
DRAWN GK DATE NOV 04
APPROVED DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER DB7
SHANNON CREEK BRIDGE
SIDEWALK REPLACEMENT
GENERAL ARRANGEMENT

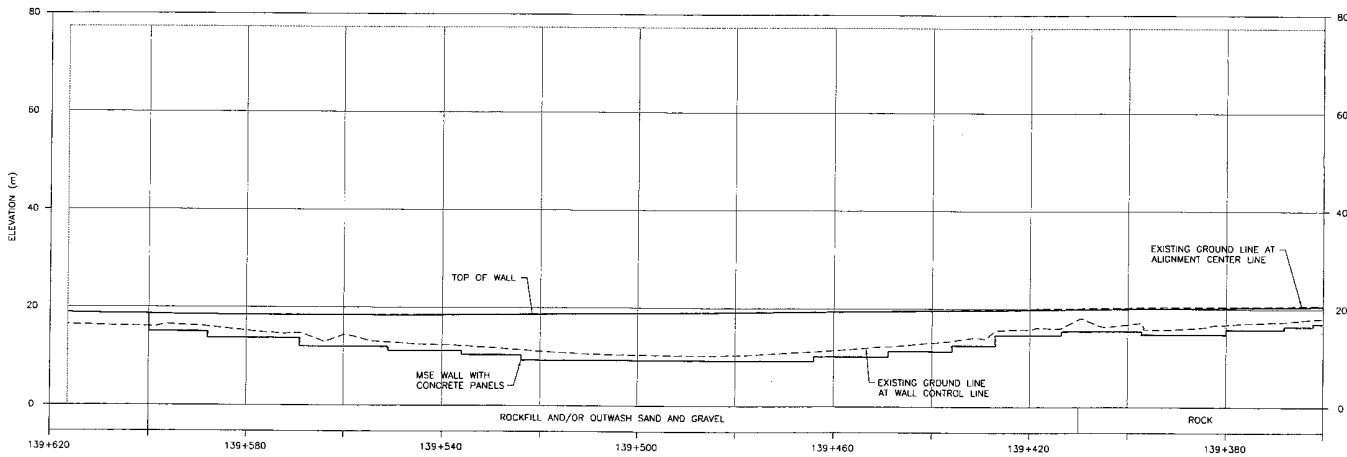
DWG. No.	Description	Rev	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMISSION				
REFERENCE DRAWINGS					
REVISIONS					

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **Hatch Mott MacDonald**
PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. 214753-EN10 PROJECT No. 09901-ST53 REGION 1 DATE 42DD-DB07-0203 DRAWING No. B1



PLAN



ELEVATION

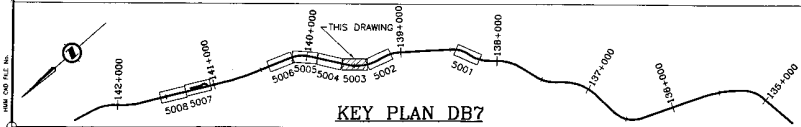
SZS TRANSPORTATION CONSULTANTS

DESIGNED: JS DATE: SEP 01
 CHECKED: TMAN DATE: SEP 01
 DRAWN: PJ DATE: SEP 01
 APPROVED: DATE:

SCALE: 0 25
 1:500

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DB07
 GENERAL ARRANGEMENT
 STA. 139+360 TO 139+620



KEY PLAN DB7

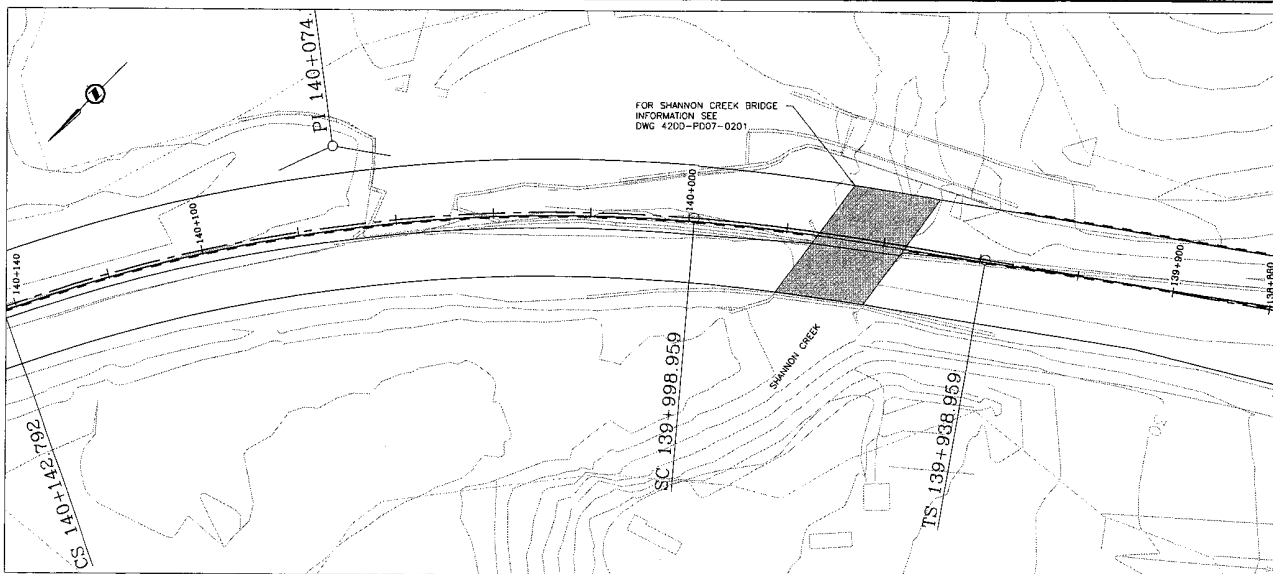
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B1	ISSUED FOR PROPOSAL SUBMISSION		05/01/10		

Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	DATE
214753-EN10-H	09901-ST53	
	REGION	DRAWING No.
	1	42DD-DB07-5003

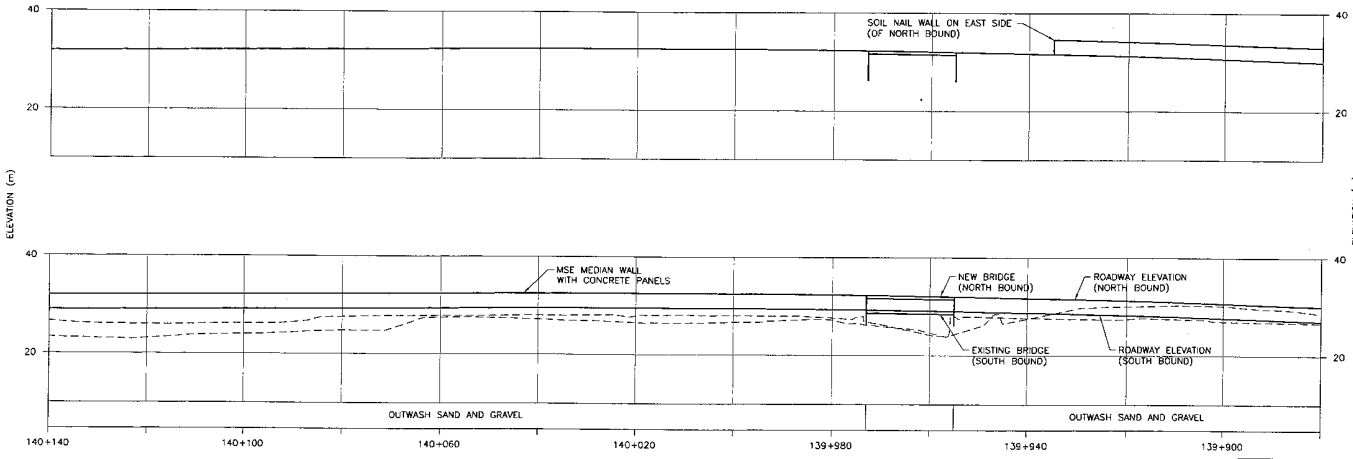
REFERENCE DRAWINGS

REVISIONS

B1



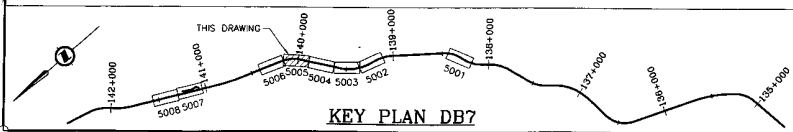
PLAN



ELEVATION

SCALE 0 25 1:500

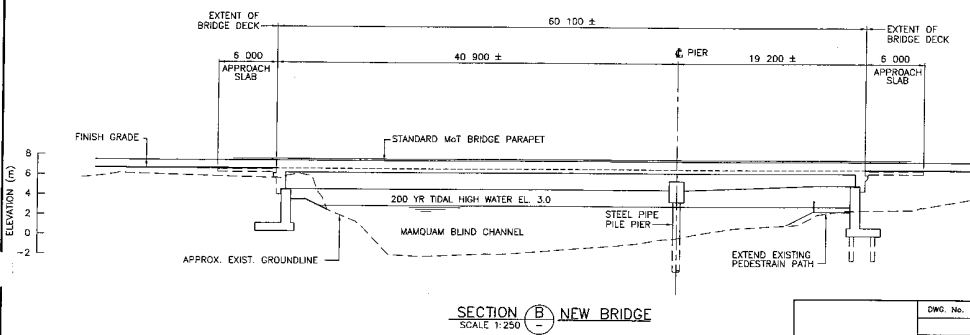
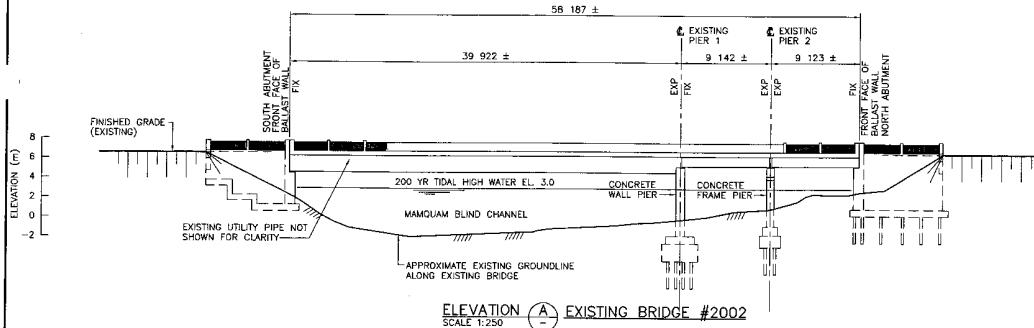
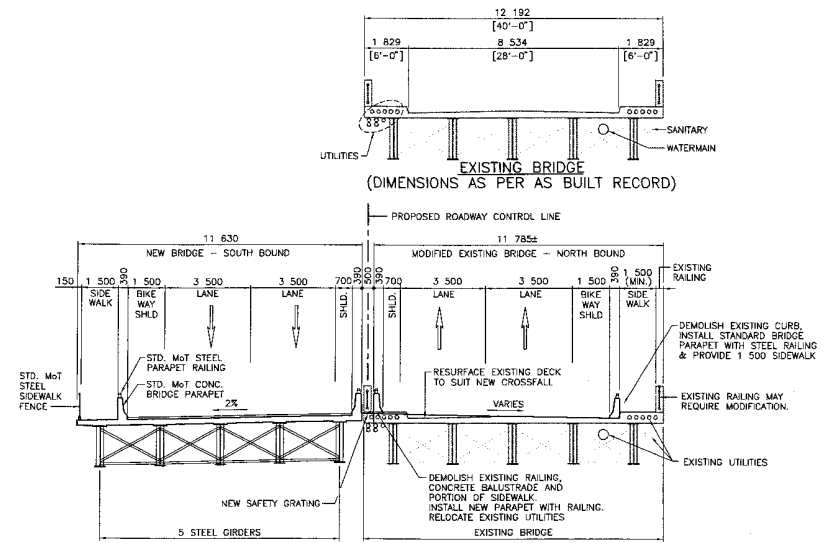
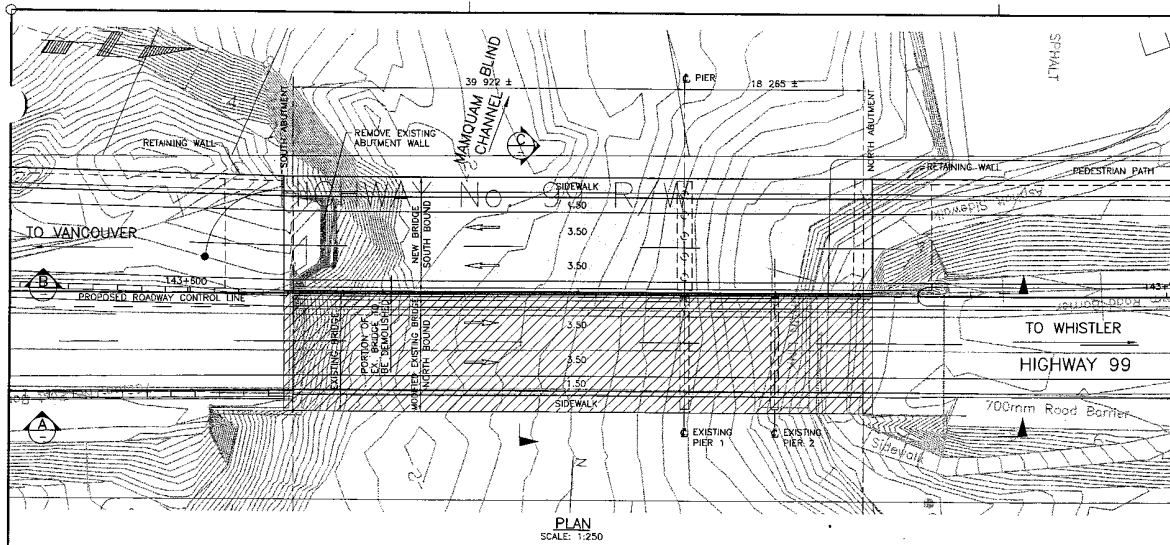
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DB07
 GENERAL ARRANGEMENT
 STA. 139+880 TO 140+140



DWG. No.	Description	Rev.	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMISSION		05/01/10		

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	DATE
214753-EN10-H	09901-ST53	
REGION	DRAWING No.	
1	4200-DB07-5005	B1

REFERENCE DRAWINGS REVISIONS



- BRIDGE DESIGN NOTES**
- DESIGN CODE: CAN/CSA-S6-00
 - DESIGN LIVE LOAD: CL-625
 - LIVE LOAD IMPACT FACTOR: AS PER CAN/CSA-S6-00
 - FATIGUE DESIGN: CLASS A HIGHWAY ADIT
 - SEISMIC DESIGN:
 - ZONAL ACCELERATION COEFFICIENT: A = 0.15
 - BRIDGE CLASSIFICATION: OTHER BRIDGE
 - SITE COEFFICIENT: S = 1.0
 - IMPORTANCE FACTOR: I = 1.0
 - DESIGN SPEED: 70 km/h
 - BRIDGE BARRIER CLASSIFICATION: PL-2
 - DESIGN LIFE:
 - NEW BRIDGE STRUCTURE: 75 YEARS
 - REHABILITATED STRUCTURE: 50 YEARS
 - CLIMATIC INFORMATION:
 - MINIMUM TEMPERATURE: -13°C
 - MAXIMUM TEMPERATURE: 29°C
 - HOURLY WIND 1/10: 0.38kPa
 - 1/30: 0.50kPa
 - EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
 - THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.
 - PILES ARE 15m LONG WITH 13mm WALL THICKNESS AND EXPANDED BASE.

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: JJ DATE: SEP. 04
 CHECKED: JK DATE: SEP. 04
 DRAWN: AA DATE: SEP. 04
 APPROVED: DATE:

Rev	Date	Description	Signature
B1	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

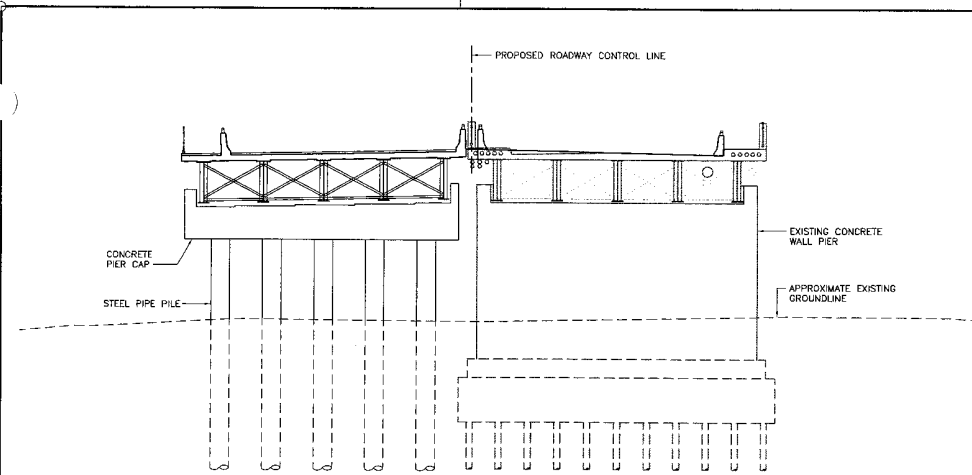
DBFO - HORSESHOE BAY TO WHISTLER
 MAMQUAM BLIND CHANNEL BRIDGE
 GENERAL ARRANGEMENT - SHEET 1
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **NPLEA**

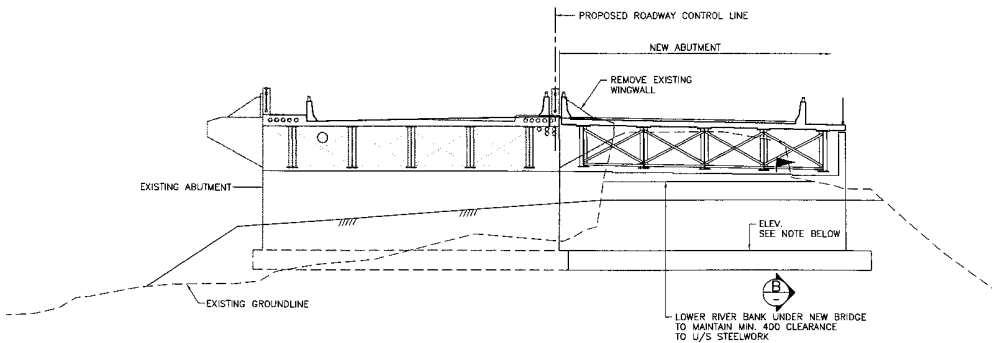
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 DRAWING No. _____

FILE No. 214753-EN10-N
 PROJECT No. 00901-STS3
 REGION 1
 DRAWING No. 14900-0008-0301101

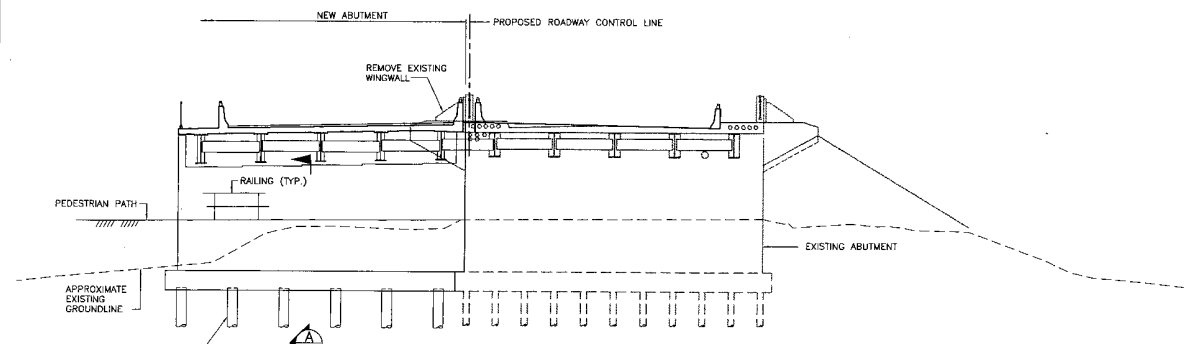
DWG. No.	Description	Rev	Date	Description	Signature



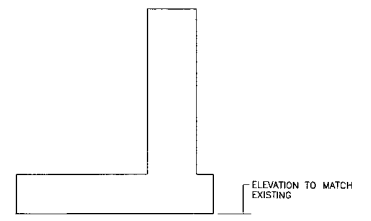
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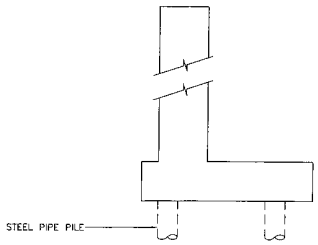
SECTION AT SOUTH ABUTMENT
SCALE: 1:100
NOTE: ELEVATION OF THE FOOTING MAY BE ADJUSTED PENDING RESULTS OF THE GEOTECHNICAL INVESTIGATION.



SECTION AT NORTH ABUTMENT
SCALE: 1:100



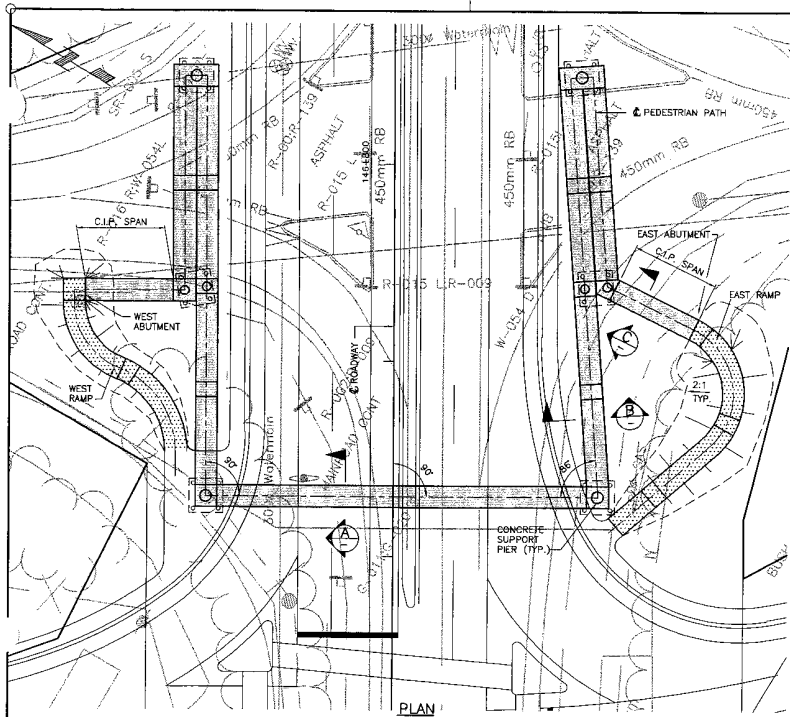
SECTION B
SCALE 1:50



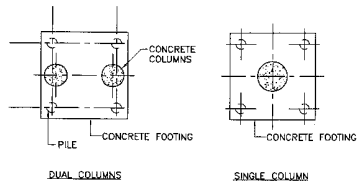
SECTION A
SCALE 1:50

	DESIGNED <i>[Signature]</i> DATE SEP. 04 CHECKED <i>[Signature]</i> DATE SEP. 04 DRAWN <i>[Signature]</i> DATE SEP. 04 APPROVED _____ DATE _____		 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER MAMQUAM BLIND CHANNEL BRIDGE GENERAL ARRANGEMENT - SHEET 2 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH																												
	SCALE AS SHOWN	PROJECT No. 09901-ST33 DESIGN CONSULTANT:		PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER																											
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>B1</td> <td>ISSUED FOR PROPOSAL SUBMITTAL</td> <td></td> <td>05/07/10</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DWG. No.	Description	Rev	Date	Description	Signature	B1	ISSUED FOR PROPOSAL SUBMITTAL		05/07/10																					FILE No. 214753-FN10-N REGION 1 DRAWING No. 14200-DB08-03021B1
DWG. No.	Description	Rev	Date	Description	Signature																										
B1	ISSUED FOR PROPOSAL SUBMITTAL		05/07/10																												

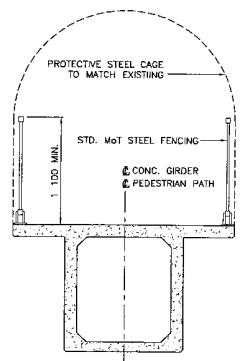
MM 500 (REV. 11/04)



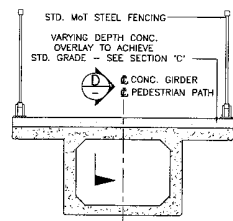
NOTE: EXISTING PEDESTRIAN STRUCTURE NORTH OF NEW PEDESTRIAN OVERPASS TO BE REMOVED



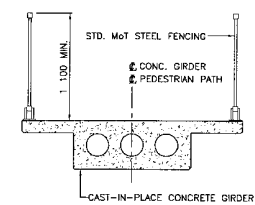
FOOTING DETAILS
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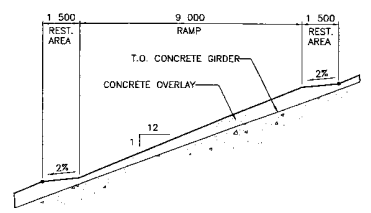
SECTION A
SCALE 1:25



SECTION B
SCALE 1:25



SECTION C
SCALE 1:25

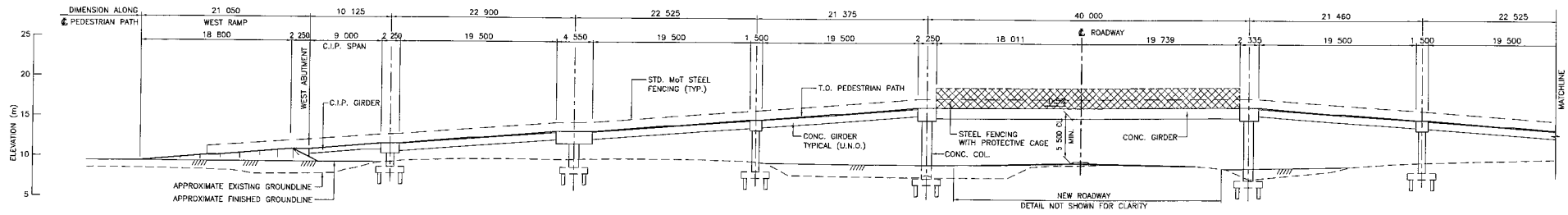


SECTION D
H SCALE 1:100
V SCALE 1:20

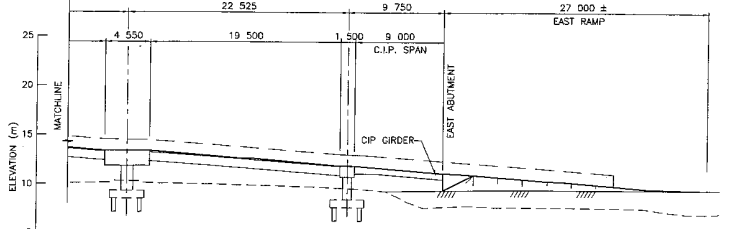
BRIDGE DESIGN NOTES

- DESIGN CODE: CAN/CSA-S6-00
- SEISMIC DESIGN:
 - ZONAL ACCELERATION COEFFICIENT: A = 0.15
 - BRIDGE CLASSIFICATION: OTHER BRIDGE
 - SITE COEFFICIENT: S = 1.0
 - IMPORTANCE FACTOR: I = 1.0
- DESIGN LIFE: 75 YEARS
- CLIMATIC INFORMATION:
 - MINIMUM TEMPERATURE: -13°C
 - MAXIMUM TEMPERATURE: 29°C
 - HOURLY WIND:
 - 1/10: 0.38kPa
 - 1/30: 0.50kPa
- EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
- THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.
- PILES ARE 406 DIA. STEEL PIPE PILE WITH 13mm WALL THICKNESS AND HAVE EXPANDED BASE.

PLAN
SCALE: 1:250



SCHEMATICAL ELEVATION - EXPANDED LENGTH OF THE STRUCTURE
SCALE: 1:250

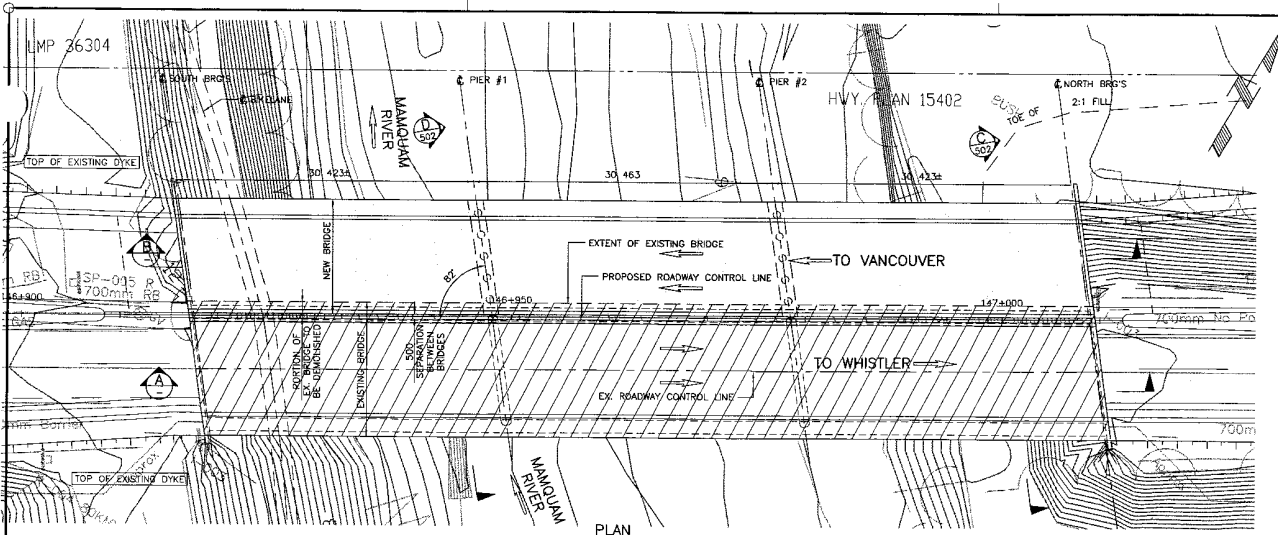


SCHEMATICAL ELEVATION - EXPANDED LENGTH OF THE STRUCTURE
SCALE: 1:250

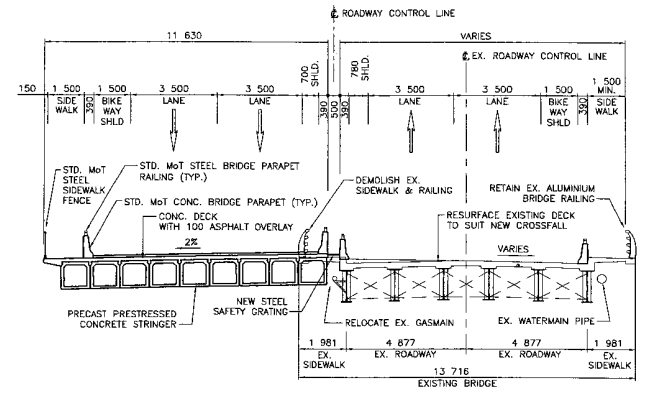
SCALE: AS SHOWN		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED: JJ CHECKED: JK DRAWN: JL APPROVED:	DATE: SEP. 04 DATE: SEP. 04 DATE: SEP. 04 DATE:	DBFO - HORSESHOE BAY TO WHISTLER MAMQUAM RIVER PEDESTRIAN OVERPASS GENERAL ARRANGEMENT DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH	
DWG. No. Description Rev. Date BY: 05/07/16 ISSUED FOR PROPOSAL SUBMITTAL	Description Signature	Project Manager 	Design Consultant
REFERENCE DRAWINGS		REVISIONS	

PROJECT No. 214753-FN10-N	REGION 09901-ST53	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE	DRAWING No. 14900-0908-04M1B1
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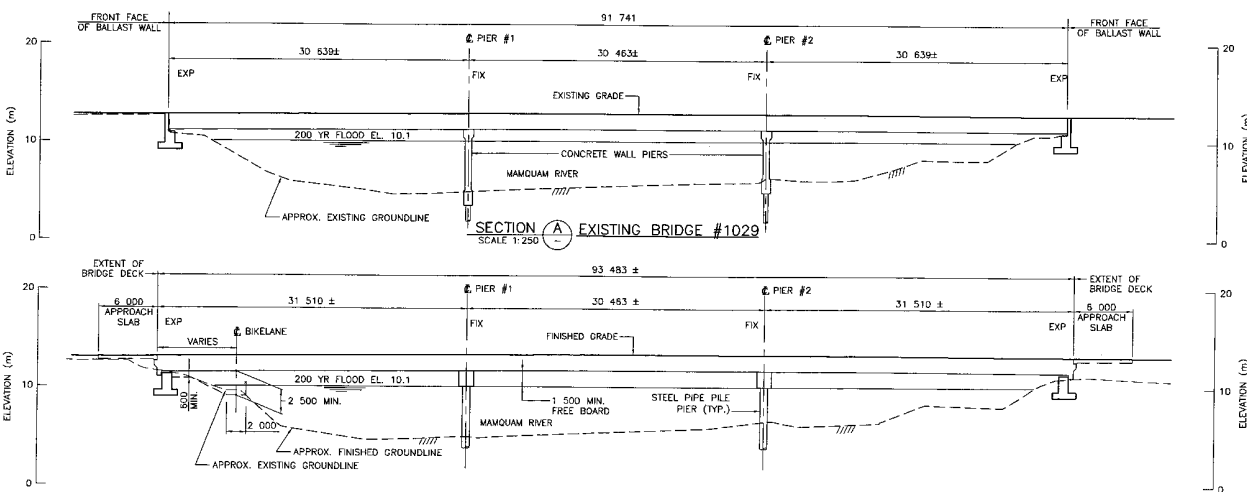
DRAWING FILE NO.



PLAN
SCALE: 1:250



TYPICAL SECTION
SCALE: 1:100



SECTION A EXISTING BRIDGE #1029
SCALE 1:250

SECTION B NEW BRIDGE
SCALE 1:250

BRIDGE DESIGN NOTES

- DESIGN CODE : CAN/CSA-S6-00
- DESIGN LIVE LOAD : CL-825
- LIVE LOAD IMPACT FACTOR : AS PER CAN/CSA-S6-00
- FATIGUE DESIGN : CLASS A HIGHWAY ADTT
- SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.15
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
- DESIGN SPEED : 70 km/h
- BRIDGE BARRIER CLASSIFICATION : PL-2
- DESIGN LIFE :
 - NEW BRIDGE STRUCTURE : 75 YEARS
 - REHABILITATED STRUCTURE : 50 YEARS
- CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -13°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND : 1/10 : 0.38kPa
 - 1/30 : 0.50kPa
- EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
- THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.
- PILES ARE 19m LONG, 13mm WALL THICKNESS.

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: JJ DATE: SEP. 04
 CHECKED: JK DATE: SEP. 04
 DRAWN: SZ DATE: SEP. 04
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

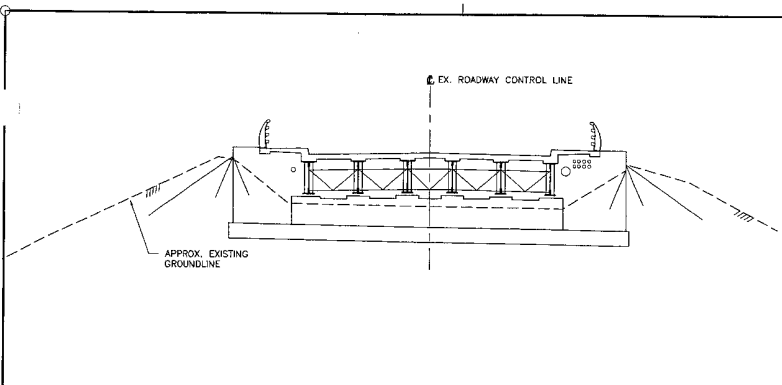
DBFO - HORSESHOE BAY TO WHISTLER
MAMQUAM RIVER BRIDGE
 GENERAL ARRANGEMENT - SHEET 1
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Rev	Date	Description	Signature
B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

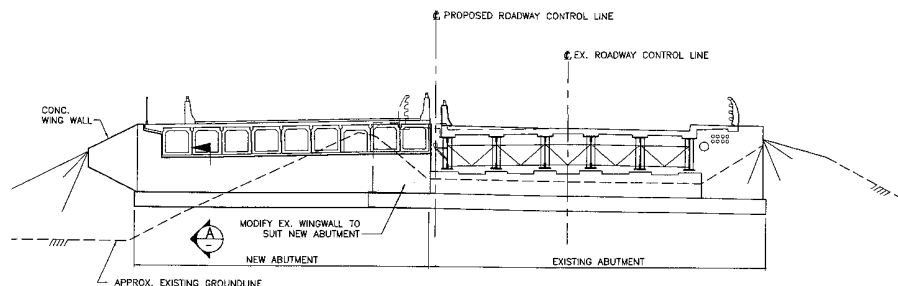
Project Manager: _____
 Design Consultant: **Hatch Mott MacDonald** and **NLEA**
 PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 FILE No. 214753-EN10-N
 PROJECT No. 0001-STS3
 REGION 4
 DATE 12/02/09
 DRAWING No. 05M101

REFERENCE DRAWINGS

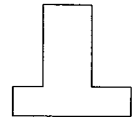
REVISIONS



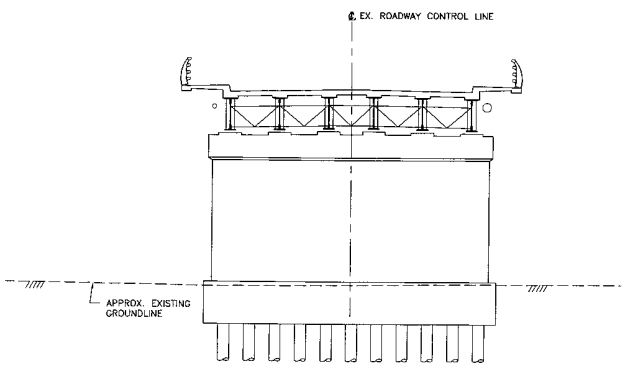
ELEVATION C EXISTING ABUTMENT
SCALE 1:100



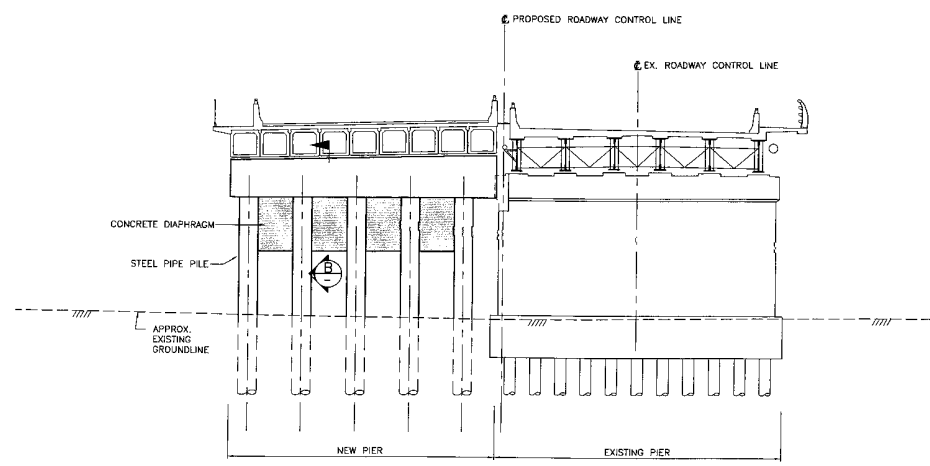
ELEVATION C TWINNED BRIDGE ABUTMENT
SCALE 1:100



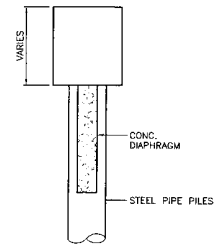
SECTION A
SCALE 1:50



ELEVATION D EXISTING PIER
SCALE 1:100



ELEVATION D TWINNED BRIDGE PIER
SCALE 1:100



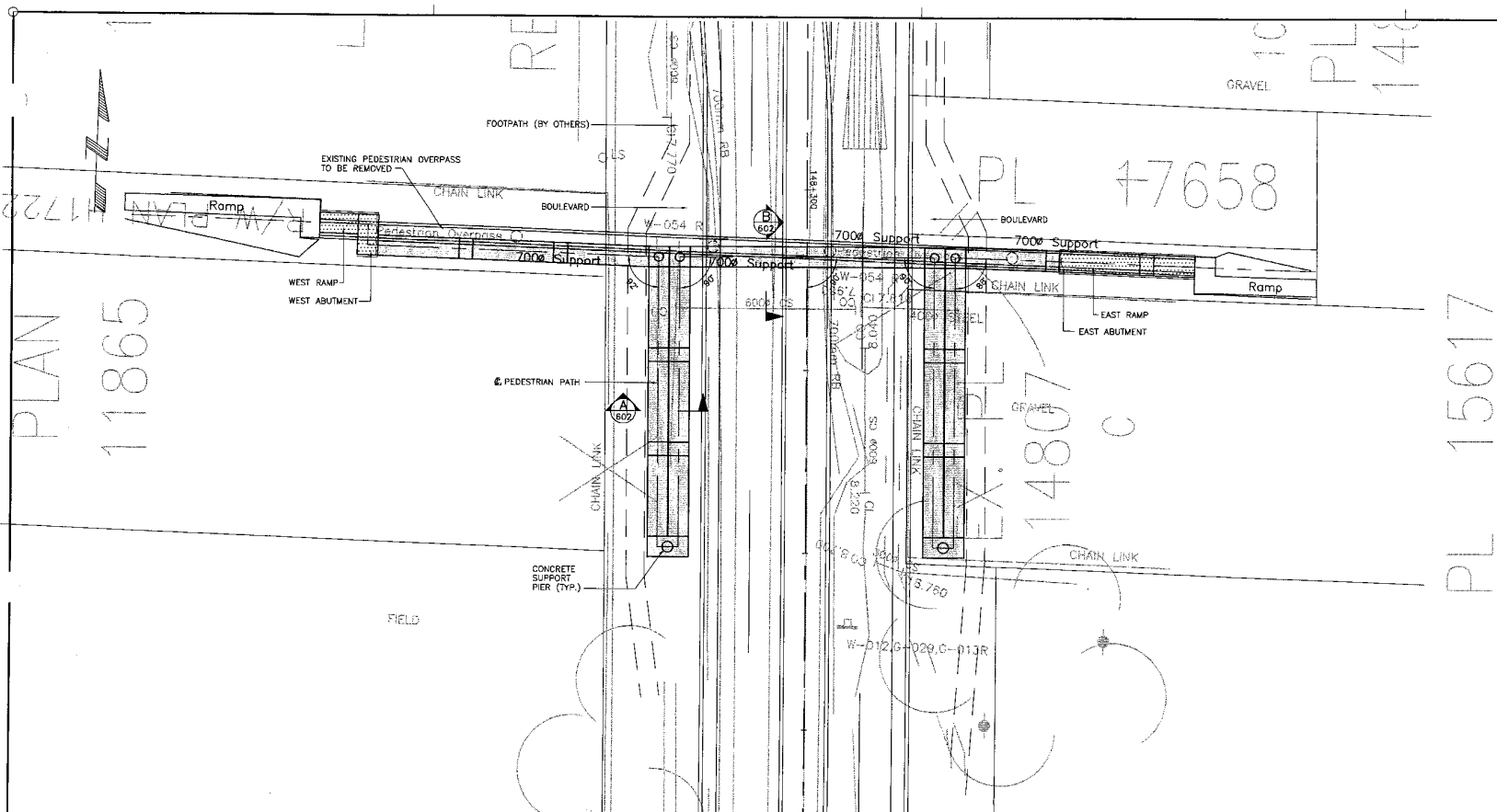
SECTION B
SCALE 1:50

SCALE AS SHOWN		DESIGNED: JM DATE: SEP. 04 CHECKED: JK DATE: SEP. 04 DRAWN: SZ DATE: SEP. 04 APPROVED: DATE:	
DBF - HORSESHOE BAY TO WHISTLER MAMQUAM RIVER BRIDGE GENERAL ARRANGEMENT - SHEET 2 DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH	PROJECT MANAGER:	DESIGN CONSULTANT:	PREPARED UNDER THE DIRECTION OF:
FILE No. 214753-EM10-M	PROJECT No. 00001-STE3	REGION 1	DRAWING No. 1000 DBB 050210

DWG. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS: REVISIONS:

1000 DBB 050210



PLAN
SCALE: 1:250

- BRIDGE DESIGN NOTES**
- DESIGN CODE : CAN/CSA-S8-00
 - SEISMIC DESIGN :
 - ZONAL ACCELERATION COEFFICIENT : A = 0.15
 - BRIDGE CLASSIFICATION : OTHER BRIDGE
 - SITE COEFFICIENT : S = 1.0
 - IMPORTANCE FACTOR : I = 1.0
 - DESIGN LIFE : 75 YEARS
 - CLIMATIC INFORMATION :
 - MINIMUM TEMPERATURE : -13°C
 - MAXIMUM TEMPERATURE : 29°C
 - HOURLY WIND 1/10 : 0.38kPa
 - 1/30 : 0.50kPa
 - EXISTING GROUND CONTOURS BY AERIAL PHOTO MAPPING.
 - THE METRIC SYSTEM OF MEASUREMENT IS USED ON ALL DRAWINGS. ELEVATIONS AND STATIONS ARE SHOWN IN METRES AND ALL OTHER DIMENSIONS ARE SHOWN IN MILLIMETRES.

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED JJ DATE SEP. 04
 CHECKED JK DATE SEP. 04
 DRAWN JK DATE SEP. 04
 APPROVED DATE

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

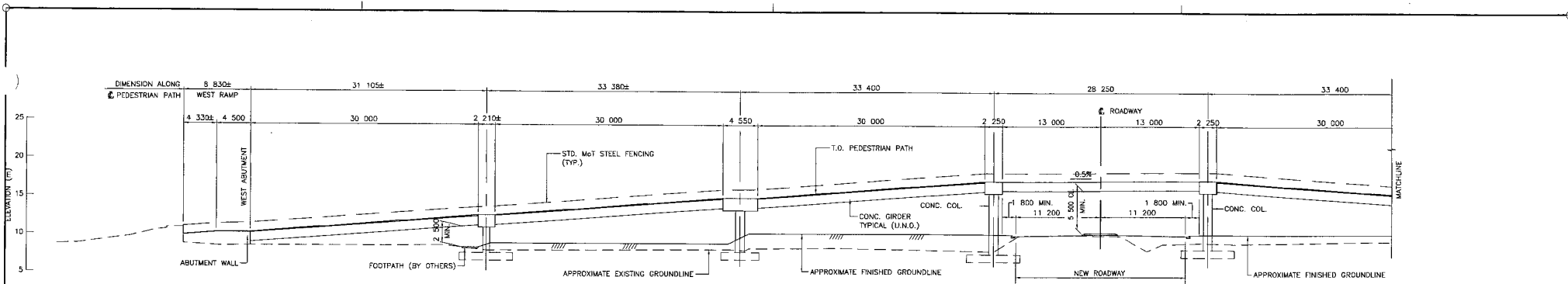
DBFO - HORSESHOE BAY TO WHISTLER
GARIBALDI PEDESTRIAN OVERPASS
GENERAL ARRANGEMENT - SHEET 1
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NSLEA**

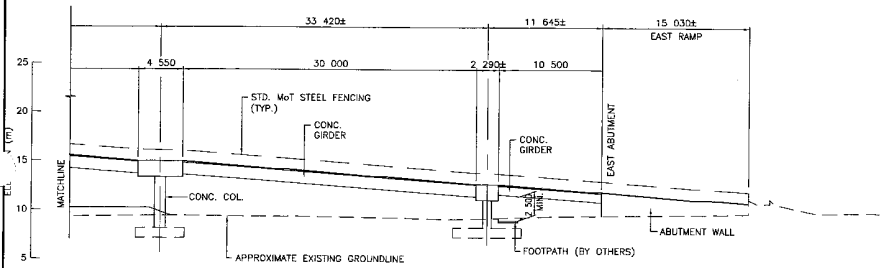
PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER
DATE

FILE No. 214753-EN10-N
 PROJECT No. 09001-CT53
 REGION 1
 DRAWING No. 14900-DB8-0501101

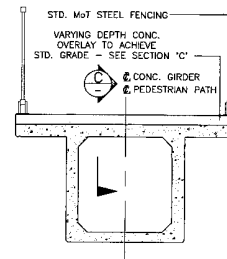
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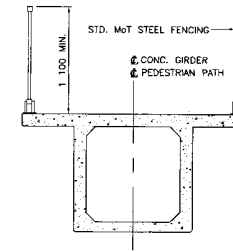
ELEVATION - ALONG SPANS OF PEDESTRIAN OVERPASS
SCALE: 1:250



ELEVATION - ALONG SPANS OF PEDESTRIAN OVERPASS
SCALE: 1:250

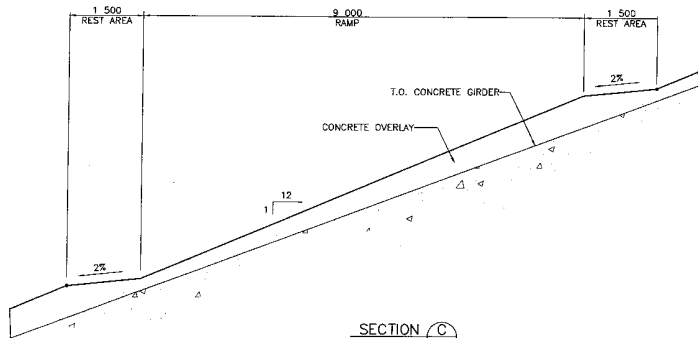


SECTION A
SCALE 1:25 (601)



SECTION B
SCALE 1:25 (601)

NOTE: SEE DWG. 4200-DB08-0201 FOR PIER CAP DIMENSIONS



SECTION C
H SCALE 1:50
V SCALE 1:10

SZS TRANSPORTATION GROUP

DESIGNED: JJ DATE: SEP. 04
 CHECKED: JK DATE: SEP. 04
 DRAWN: A DATE: SEP. 04
 APPROVED: DATE:

SCALE AS SHOWN

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GARIBALDI PEDESTRIAN OVERPASS
 GENERAL ARRANGEMENT - SHEET 2
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature
				ISSUED FOR PROPOSAL SUBMITTAL	

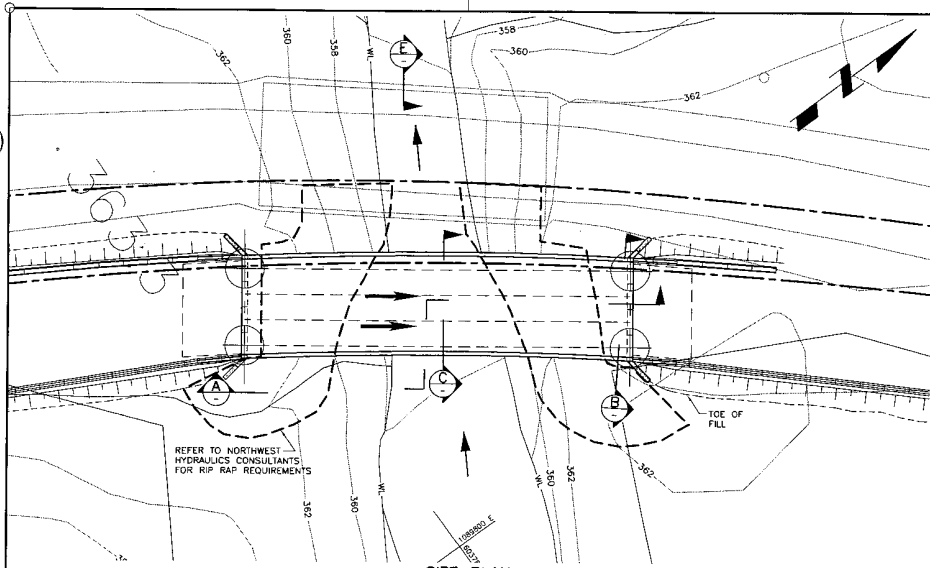
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

FILE No. 214753-EM10-N
 PROJECT No. 09001-ST33
 REGION 1
 DRAWING No. 4200-DB08-0201/01

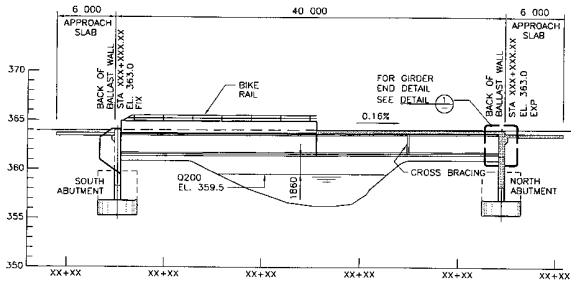
REFERENCE DRAWINGS

REVISIONS

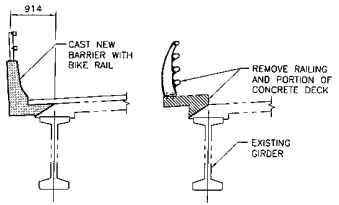
HATCH MOTT MACDONALD



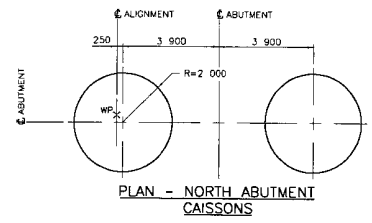
SITE PLAN
SCALE 1:250



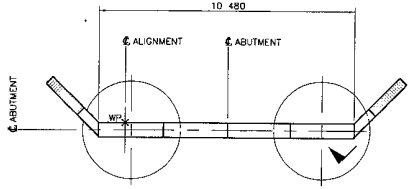
SECTION A
SCALE 1:250



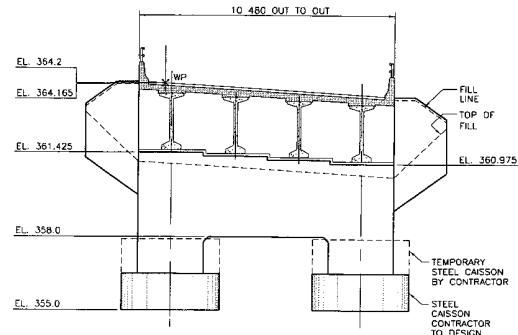
SECTION E
SCALE 1:50



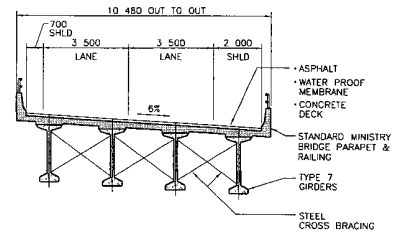
PLAN - NORTH ABUTMENT CAISSONS



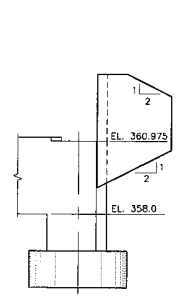
PLAN - NORTH ABUTMENT



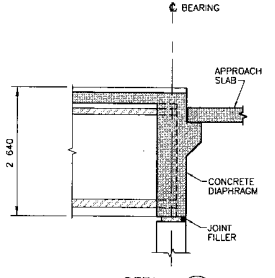
SECTION B
SCALE 1:100



SECTION C
SCALE 1:100



SECTION D
SCALE 1:100



DETAIL
SCALE 1:50

NOTES:

- DESIGN CODES: CAN/CSA S6-00
- LIVE LOAD: CL-625
- DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-DD.
- DEAD LOAD: INCLUDES 100mm ASPHALT
- DESIGN LIFE: 75YRS
- FATIGUE DESIGN: CLASS A HIGHWAY ADIT
- SEISMIC DESIGN: 10% CHANGE IN 50 YRS
a. ZONAL ACCELERATION RATIO: 0.10
b. IMPORTANCE CATEGORY: OTHER
- TRAFFIC BARRIER: FL-2
- CLIMATIC INFORMATION
a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

		DESIGNED: EP, DATE: AUG 04	
SCALE AS SHOWN		CHECKED: TM, DATE: SEP 04	
		DRAWN: BT, DATE: AUG 04	
		APPROVED: DATE:	
Rev	Date	Description	Signature
B1	25/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 DB12
 RUBBLE CREEK EAST BRIDGE
 GENERAL ARRANGEMENT

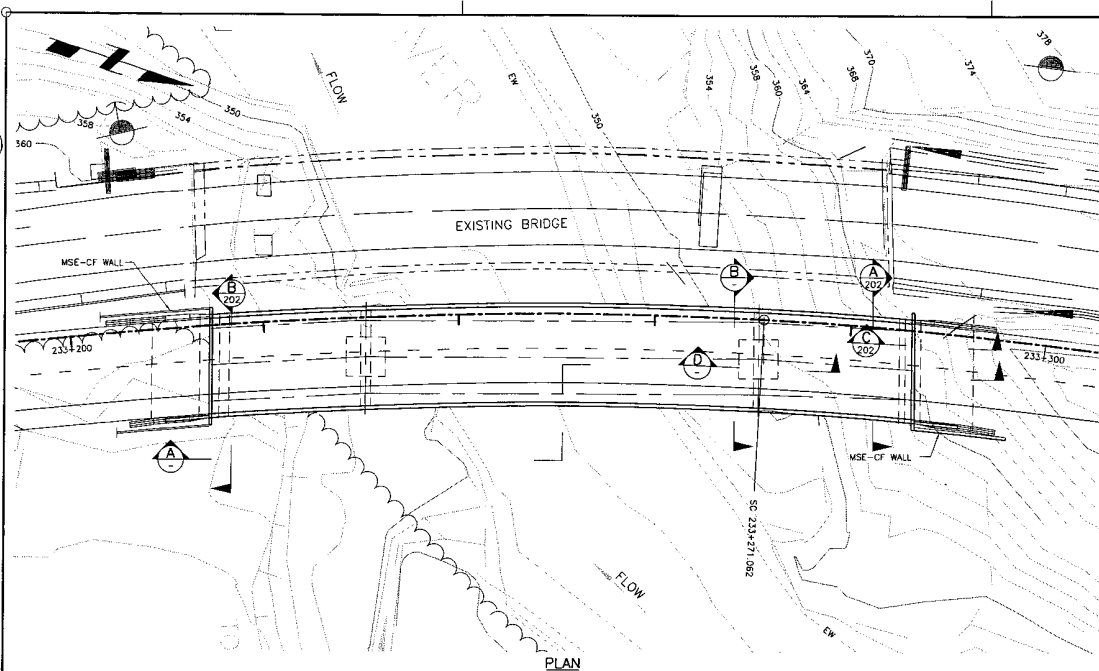
Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DATE		DRAWING No. 42DD-DB12-0101 B1

DWC No.	Description	Rev	Date	Description	Signature

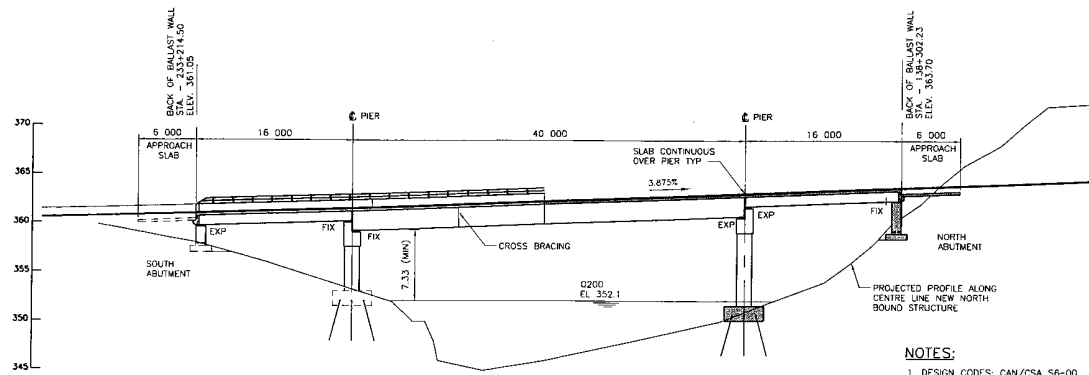
REFERENCE DRAWINGS

REVISIONS

Hatch Mott MacDonald

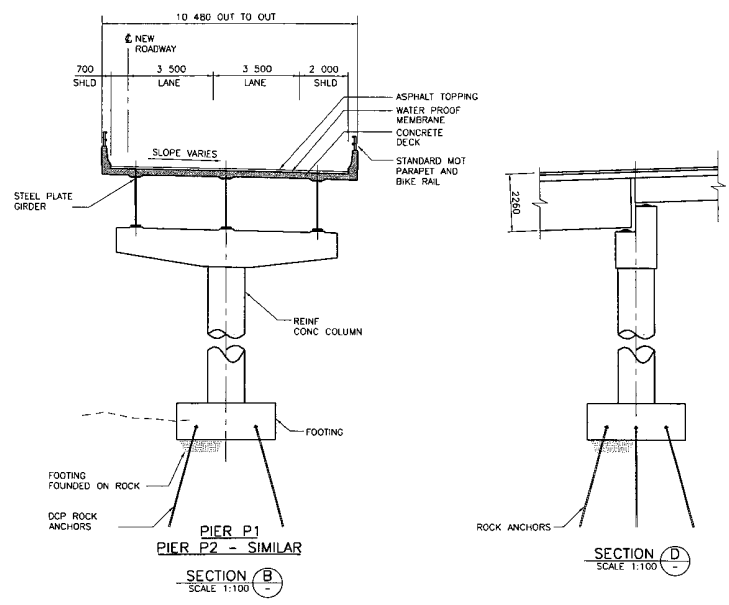


PLAN
SCALE 1:250



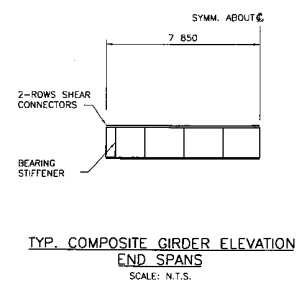
SECTION A
SCALE 1:250

- NOTES:**
- DESIGN CODES: CAN/CSA S6-00
 - LINE LOAD: GL-S25
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADTT
 - SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - ZONAL ACCELERATION RATIO: 0.134
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIER: PL-2
 - CLIMATIC INFORMATION
 - MINIMUM DAILY MEAN TEMPERATURE: -16 DEG. C
 - MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YRS): 0.56 kPa.

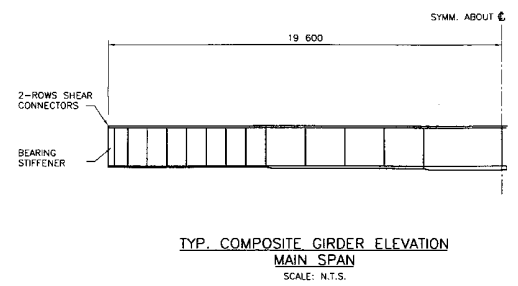


SECTION B
SCALE 1:100

SECTION D
SCALE 1:100



TYP. COMPOSITE GIRDER ELEVATION
END SPANS
SCALE: N.T.S.



TYP. COMPOSITE GIRDER ELEVATION
MAIN SPAN
SCALE: N.T.S.

DWG. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/14	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

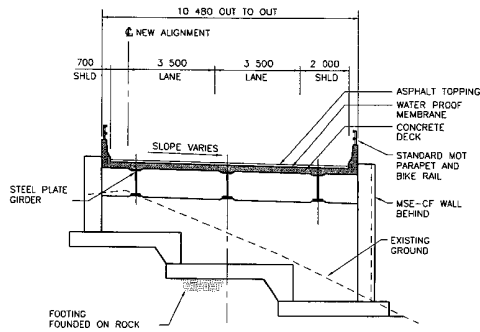
REVISIONS

DESIGNED	JMM	DATE	02/09/04
CHECKED	JAF	DATE	12/02/04
DRAWN	OK	DATE	10/09/04
APPROVED		DATE	

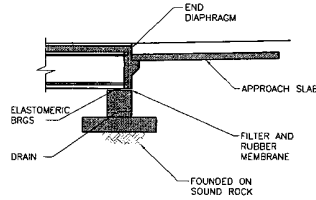
SCALE	AS SHOWN
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MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DB12
 CHEAKAMUS RIVER BRIDGE
 CHEAKAMUS BRIDGE EAST - No. 2283
 GENERAL ARRANGEMENT - SH 1

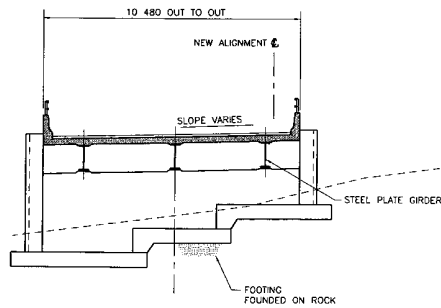
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	REGION
214753-ENIO-H	09901-ST53	1
DATE	DRAWING No.	
	42DD-DB12-0201 B1	



NORTH ABUTMENT
SECTION (A)
SCALE 1:100 (201)



NORTH ABUTMENT
SOUTH ABUTMENT - SIMILAR
SECTION (C)
SCALE 1:100 (201)

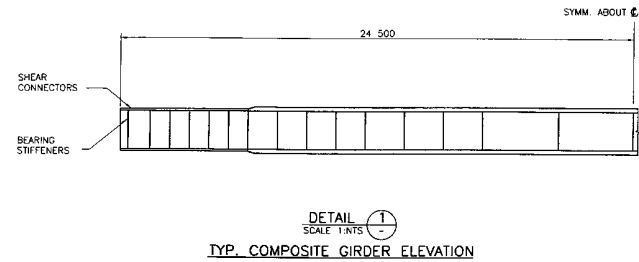
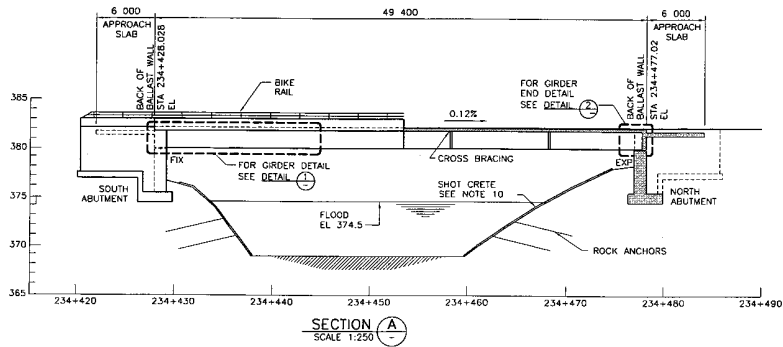
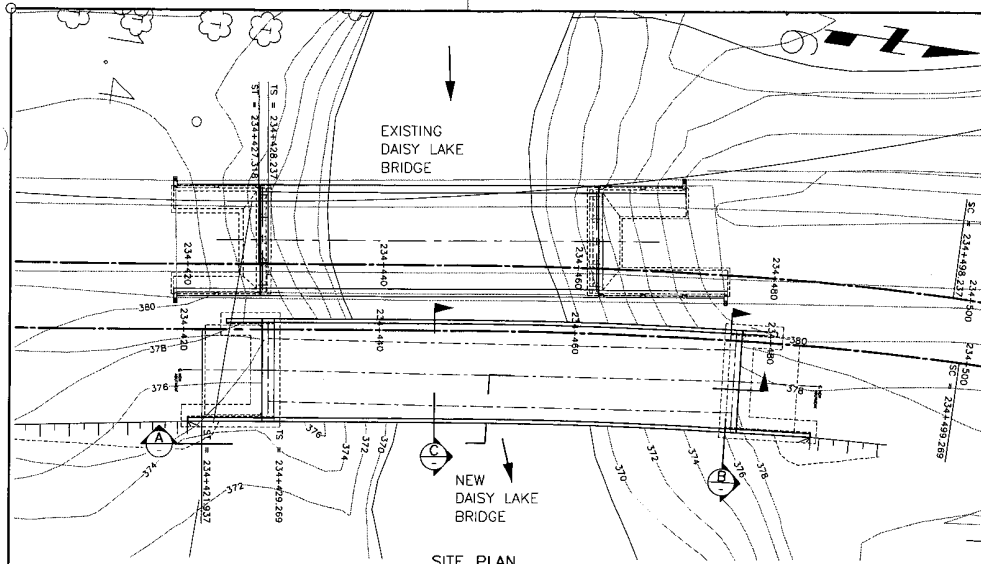


SOUTH ABUTMENT
SECTION (B)
SCALE 1:100 (201)

NOTES:
1. FOR NOTES SEE 42DD-P012-0201

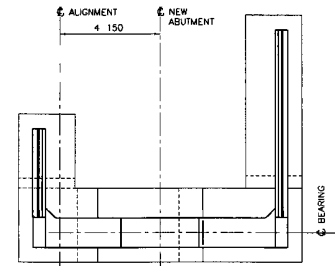
SCALE AS SHOWN		DBFO - HORSESHOE BAY TO WHISTLER DB12 CHEAKAMUS RIVER BRIDGE CHEAKAMUS BRIDGE EAST - No. 2283 GENERAL ARRANGEMENT - SH 2	
DESIGNED	TMMR	DATE	02/09/24
CHECKED	AP	DATE	15/09/24
DRAWN	CK	DATE	15/09/24
APPROVED		DATE	
PROJECT MANAGERS Hatch Mott MacDonald		DESIGN CONSULTANT Hatch Mott MacDonald	
FILE NO. 214753-ENIO-H		PROJECT NO. 09901-ST53	
REGION 1		DRAWING NO. 42DD-DB12-0202 B1	

DWG. No.	Description	Rev	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMITTAL				
REFERENCE DRAWINGS					
REVISIONS					

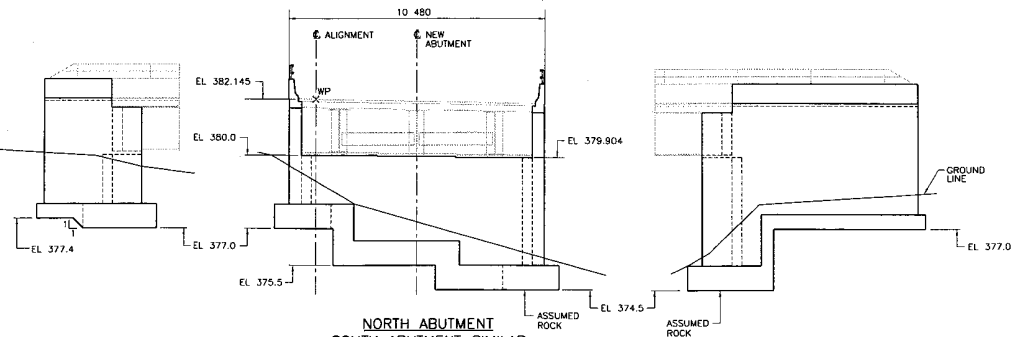


NOTES:

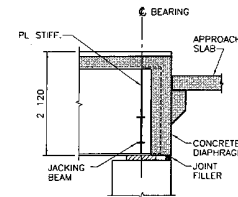
1. DESIGN CODES: CAN/CSA S6-00
2. LIVE LOAD: G1-525
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADTT
7. SEISMIC DESIGN: 10% CHANCE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.15
 - b. IMPORTANCE CATEGORY: OTHER
8. TRAFFIC BARRIER: PL-2
9. CLIMATIC INFORMATION:
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.
10. SHOTE CRETE TO BE FIBER REINFORCED, WITH 50x4000 LG DRAINS @ 2000 C/C



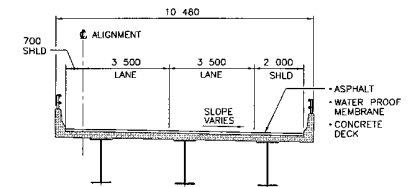
PLAN - NORTH ABUTMENT



NORTH ABUTMENT
SOUTH ABUTMENT SIMILAR
SECTION B
SCALE 1:100



DETAIL 2
SCALE 1:50



SECTION C
SCALE 1:100

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: TP DATE: AUG 04
 CHECKED: TM DATE: AUG 04
 DRAWN: MT DATE: AUG 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
DB12
DAISY LAKE EAST BRIDGE
GENERAL ARRANGEMENT

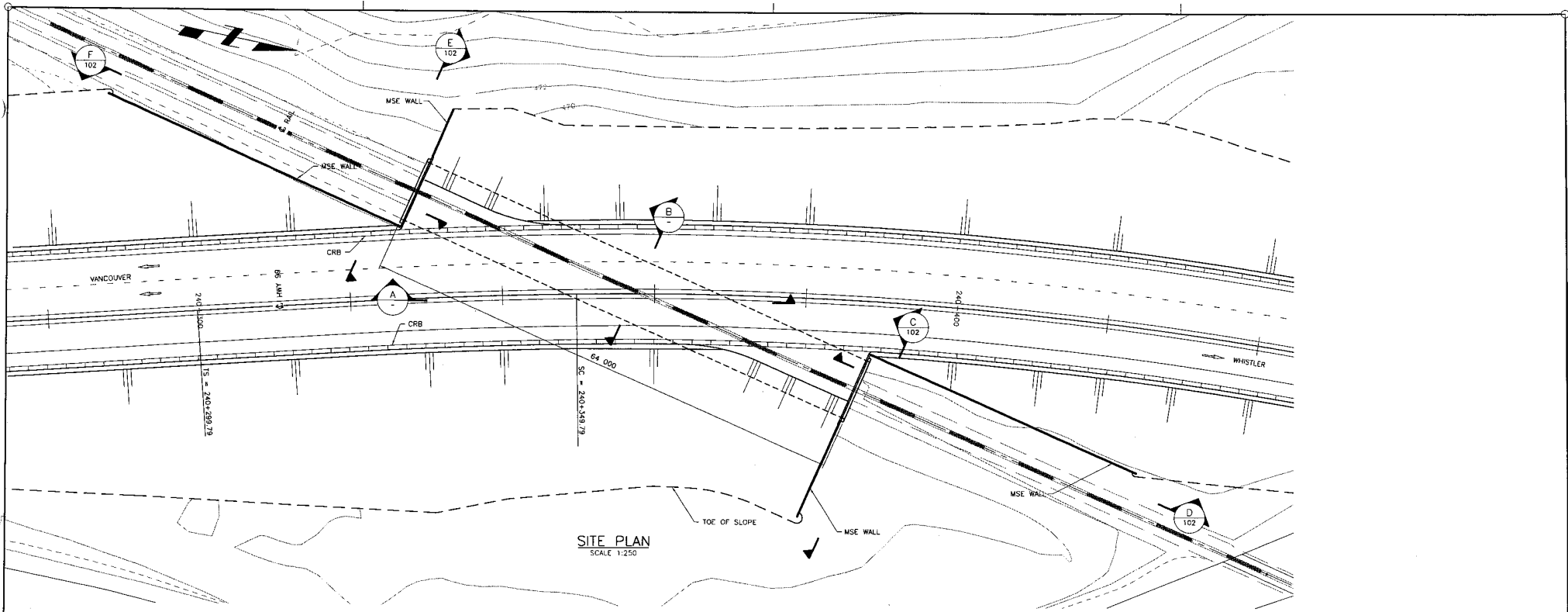
DWG. No.	Description	Rev.	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**

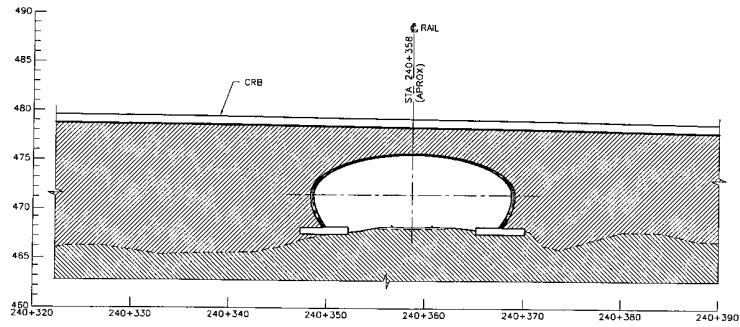
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 42DD-DB12-0301 B1

REFERENCE DRAWINGS

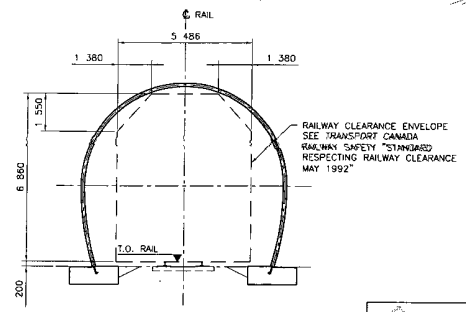
REVISIONS



SITE PLAN
SCALE 1:250



SECTION A
SCALE 1:250



SECTION B
SCALE 1:100

- NOTES:
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-622
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADIT
 - SEISMIC DESIGN: 10% CHANGE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.15
 - b. IMPORTANCE CATEGORY: OTHER
 - CLIMATIC INFORMATION
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa;
 - 50,000 m³ GROUND IMPROVEMENTS REQ'D.

525 TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED	JD	DATE	SEP 04
CHECKED	JM	DATE	SEP 04
DRAWN	MT	DATE	SEP 04
APPROVED		DATE	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

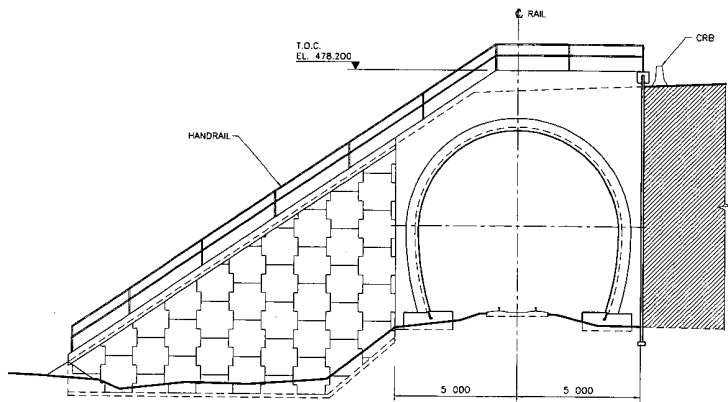
DBFO - HORSESHOE BAY TO WHISTLER
DB13
BC RAIL OVERHEAD No. 1
GENERAL ARRANGEMENT
SHEET 1

Rev	Date	Description	Signature
B1	05/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

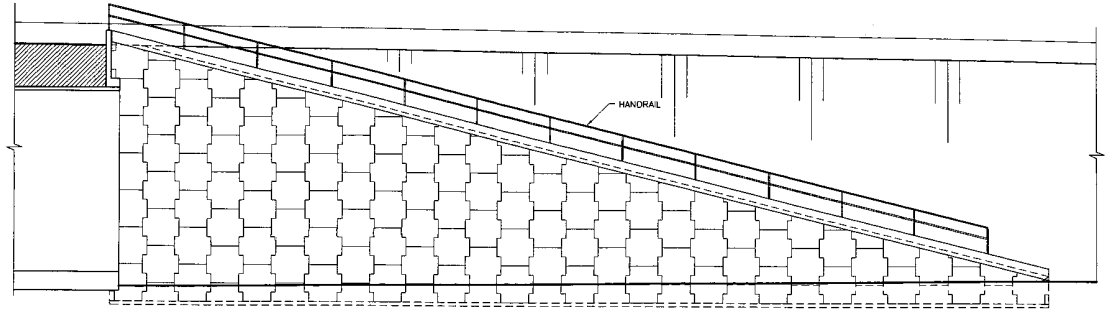
Project Manager Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
		DATE DRAWING No. 42DD-DB13-0101 B1

REFERENCE DRAWINGS

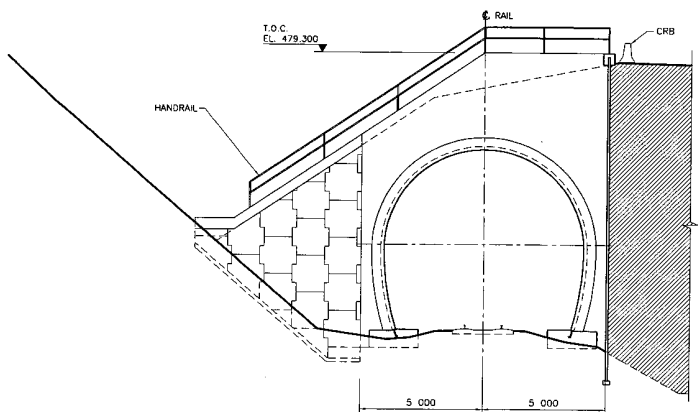
REVISIONS



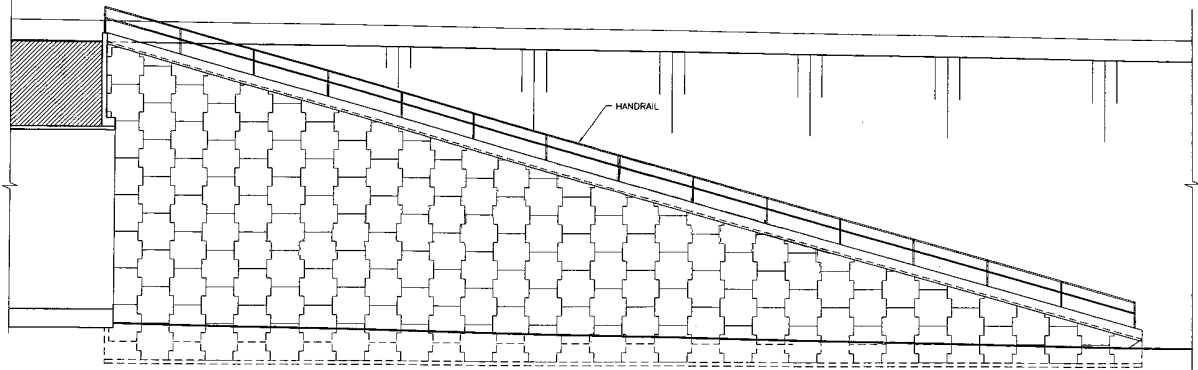
SECTION C
SCALE 1:100 (101)



SECTION D
SCALE 1:100 (101)



SECTION E
SCALE 1:100 (101)



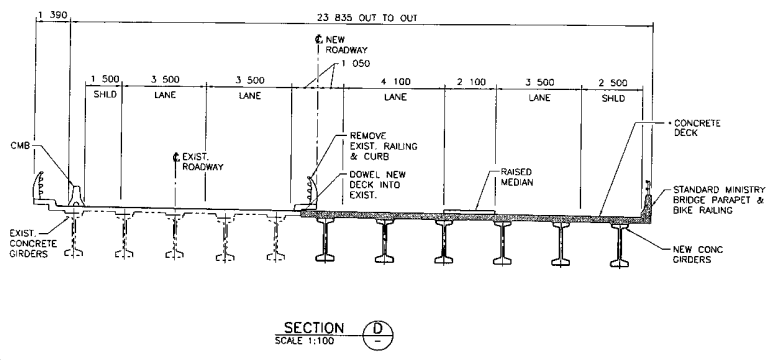
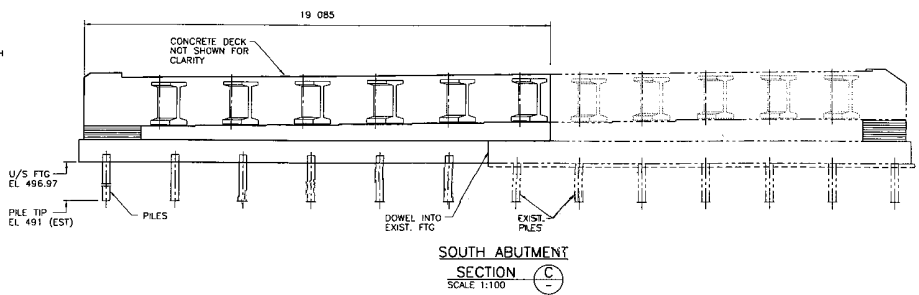
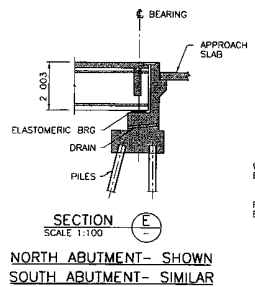
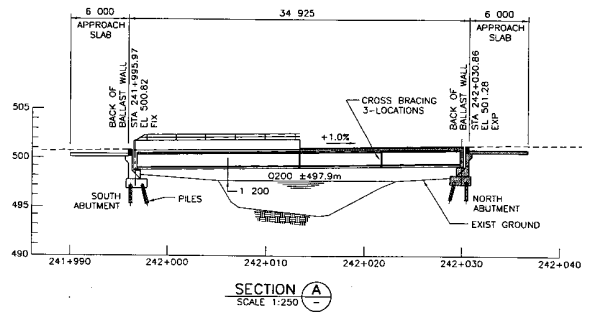
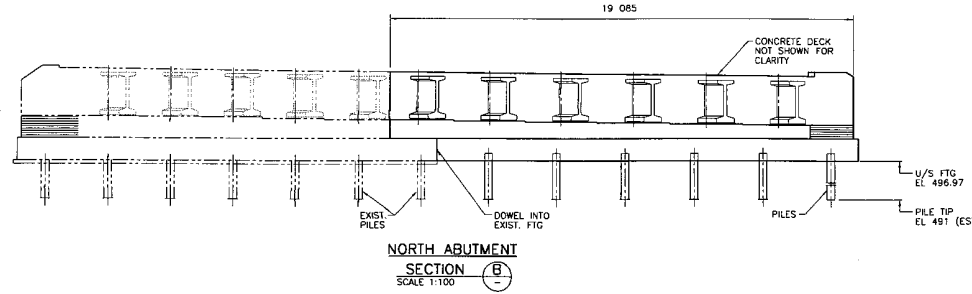
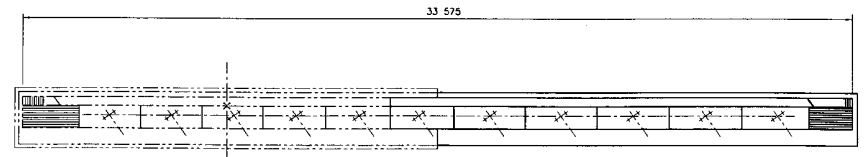
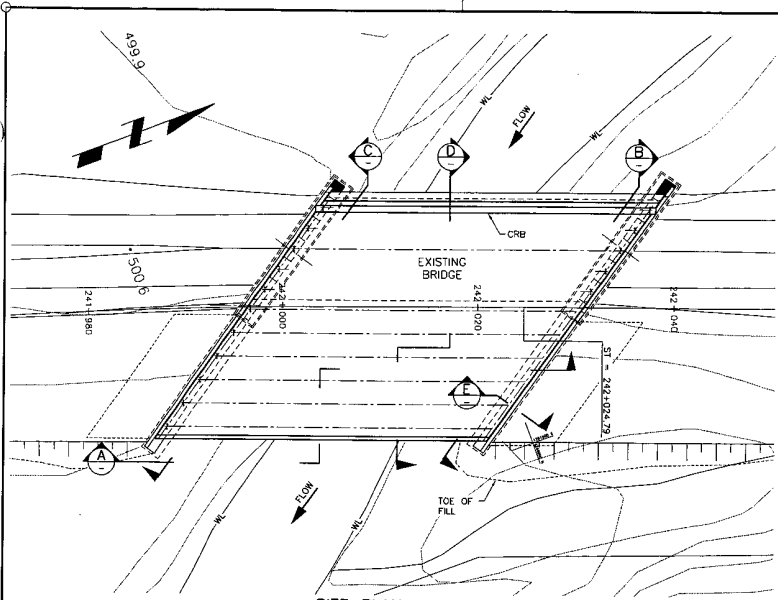
SECTION F
SCALE 1:100 (101)

S2S TRANSPORTATION GROUP SCALE AS SHOWN		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED	JP	DATE	SEP. 04
CHECKED	TM	DATE	SEP. 04
DRAWN	MT	DATE	SEP. 04
APPROVED		DATE	

		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER DB13 BC RAIL OVERHEAD No. 1 GENERAL ARRANGEMENT SHEET 2			
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF	
		SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-H	09901-ST53	1	42D0-DB13-0102 (B1)

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS		REVISIONS			

100% COPY FILE NO.



- NOTES:**
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00.
 - DEAD LOAD: INCLUDES 100mm ASPHALT
 - DESIGN LIFE: 75YRS
 - FAIGUE DESIGN: CLASS A HIGHWAY ADTT
 - SEISMIC DESIGN: 10% CHANGE IN 50 YRS
 - ZONAL ACCELERATION RATIO: 0.15
 - IMPORTANCE CATEGORY: OTHER
 - TRAFFIC BARRIERS: PL-2
 - CLIMATIC INFORMATION
 - MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: JP DATE AUG 04
 CHECKED: JM DATE AUG 04
 DRAWN: MT DATE AUG 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 DB13
 BRANDYWINE CREEK BRIDGE No. 7375
 GENERAL ARRANGEMENT

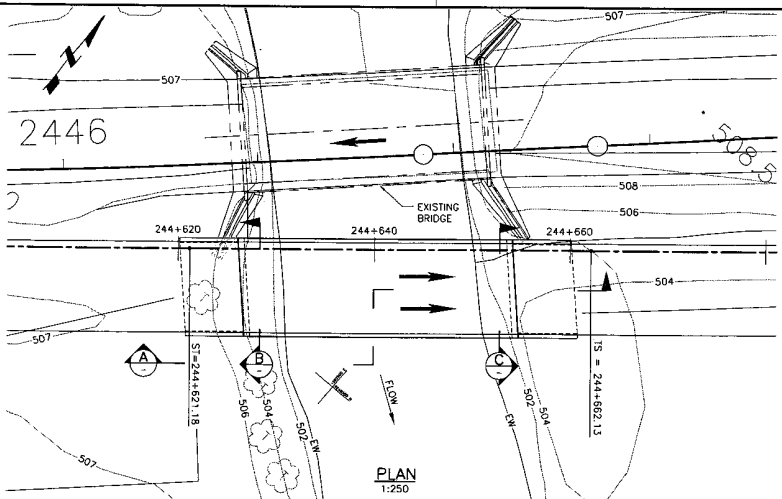
Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 DATE: _____

FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 42DD-DB13-0201|B1

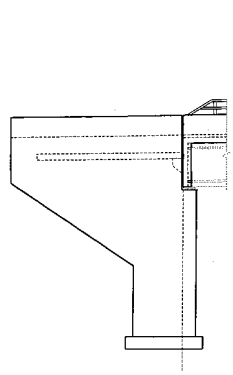
DWG. No.	Description	Rev.	Date	Description	Signature
B1	ISSUED FOR PROPOSAL SUBMITTAL		05/01/10		

REFERENCE DRAWINGS

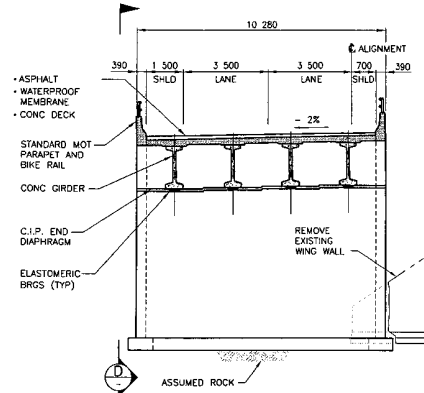
REVISIONS



PLAN
SCALE 1:250

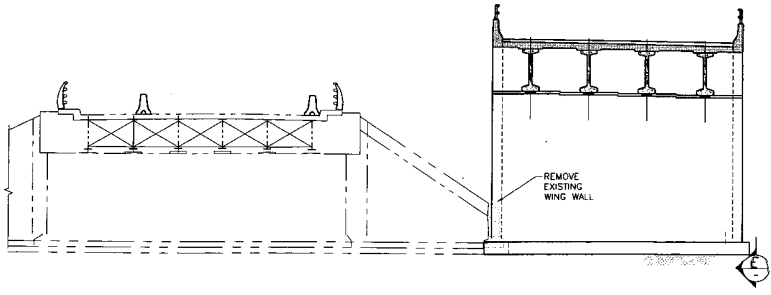


SECTION D
SCALE 1:100



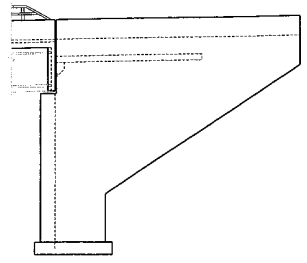
SECTION B
SCALE 1:100

SOUTH ABUTMENT

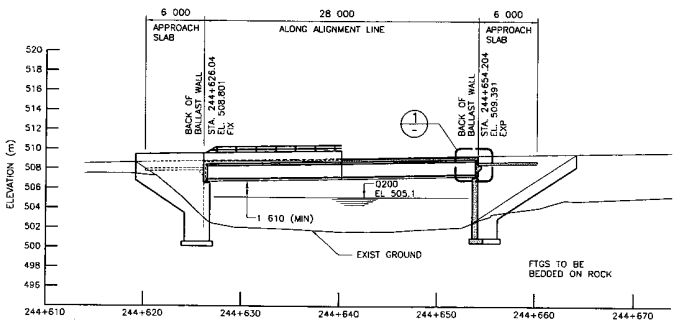


SECTION C
SCALE 1:100

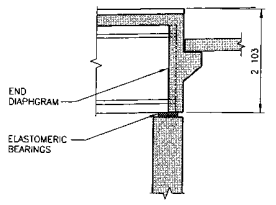
NORTH ABUTMENT



SECTION E
SCALE 1:100



SECTION A
SCALE 1:250



DETAIL 1
SCALE 1:50

NOTES:

1. DESIGN CODES: CAN/CSA 56-00
2. LIVE LOAD: CL-622
3. DYNAMIC LOAD ALLOWANCE: CAN/CSA-56-00.
4. DEAD LOAD: INCLUDES 100mm ASPHALT
5. DESIGN LIFE: 75YRS
6. FATIGUE DESIGN: CLASS A HIGHWAY ADIT
7. SEISMIC DESIGN: 12% CHANCE IN 50 YRS
8. ZONAL ACCELERATION RATIO: 0.134
9. IMPORTANCE CATEGORY: OTHER
10. TRAFFIC BUFFER: PL-2
9. CLIMATIC INFORMATION:
 - a. MINIMUM DAILY MEAN TEMPERATURE: -16 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa
10. SEISMIC BUFFER, MASKING WALL, INTERMEDIATE DIAPHRAGMS NOT SHOWN.

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

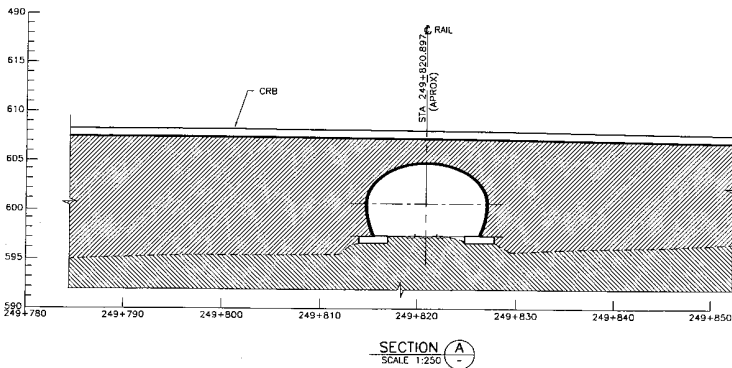
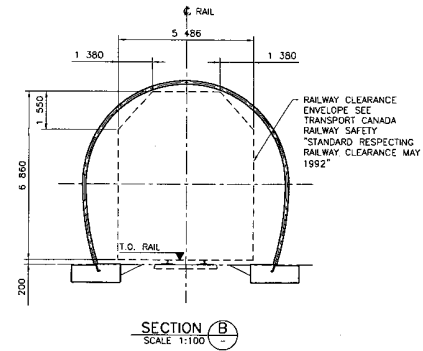
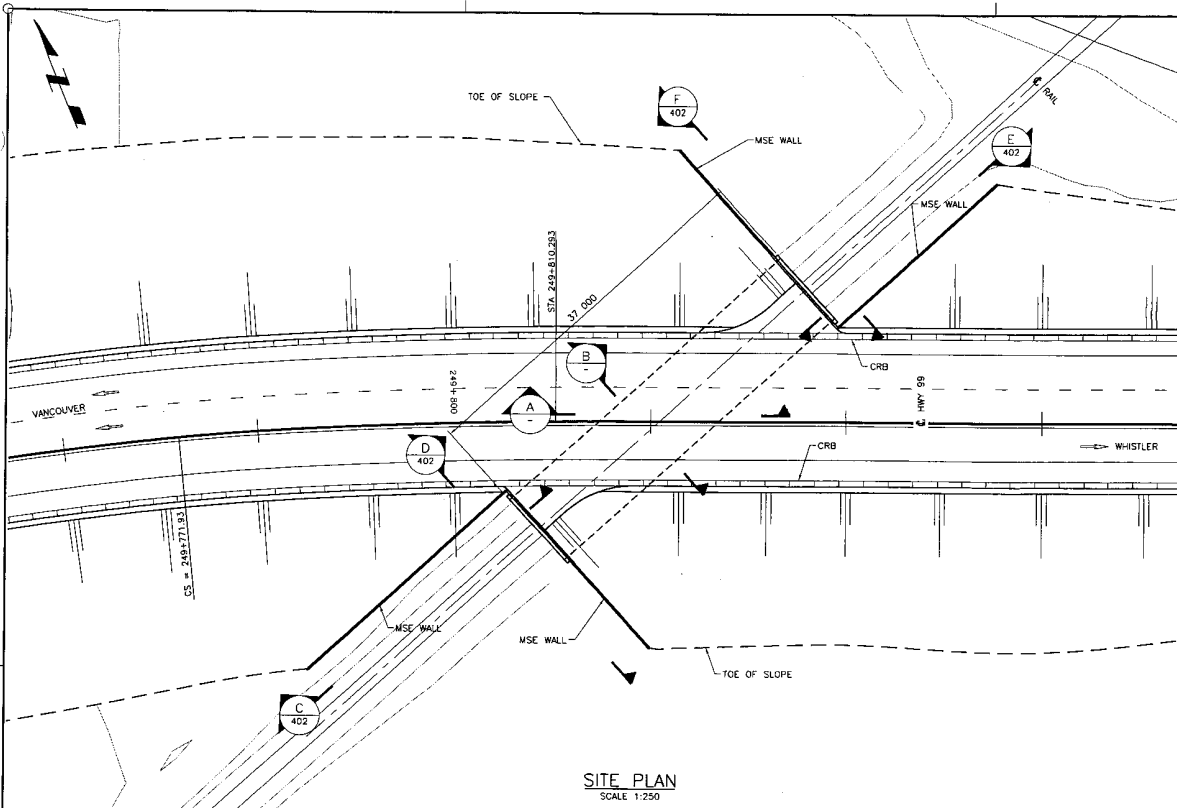
REVISIONS

SCALE AS SHOWN

DESIGNED: JMR	DATE: NOV. 04.
CHECKED: JEP	DATE: NOV. 04.
DRAWN: MFT	DATE: NOV. 04.
APPROVED:	DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DB13
 CALLAGHAN BRIDGE EAST
 GENERAL ARRANGEMENT

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
		SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-TBC	DATE
	REGION 1	DRAWING No. 42D0-DB13-0301 (B1)



- NOTES:**
- DESIGN CODES: CAN/CSA S6-00
 - LIVE LOAD: CL-625
 - DYNAMIC LOAD ALLOWANCE: CAN/CSA-S6-00
 - DESIGN LIFE: 75YRS
 - FATIGUE DESIGN: CLASS A HIGHWAY ADIT
 - SEISMIC DESIGN: 10% CHANGE IN 50 YRS
 - a. ZONAL ACCELERATION RATIO: 0.11
 - b. IMPORTANCE CATEGORY: OTHER
 - CLIMATIC INFORMATION:
 - a. MINIMUM DAILY MEAN TEMPERATURE: -10 DEG. C
 - b. MAXIMUM DAILY MEAN TEMPERATURE: 28 DEG. C
 - c. HOURLY MEAN WIND PRESSURE (1 IN 50 YR): 0.56 kPa.

TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED BY DATE SEP 04
CHECKED BY DATE SEP 04
DRAWN BY DATE SEP 04
APPROVED BY DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB13
BC RAIL OVERHEAD No. 2
GENERAL ARRANGEMENT
SHEET 1

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

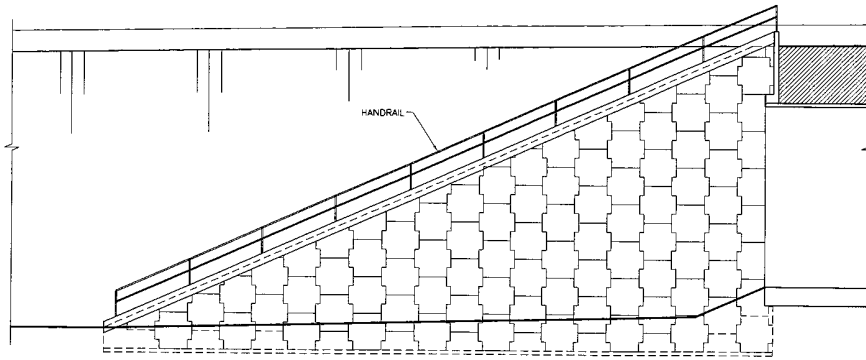
Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

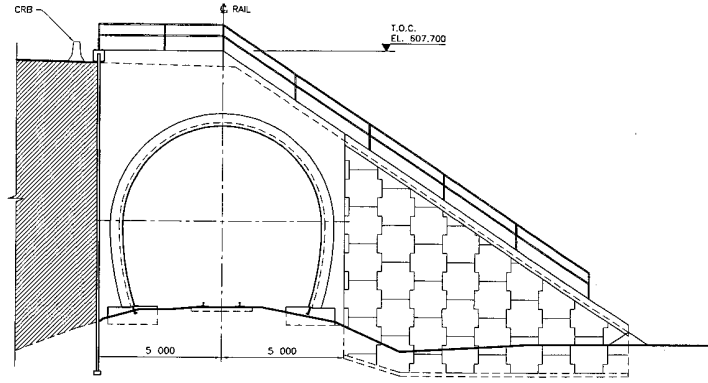
DATE: _____

FILE No. **214753-EN10-H** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **42DD-DB13-0401 | B1**

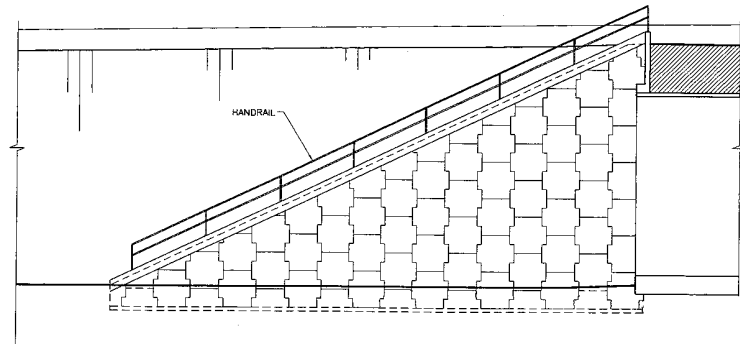
REFERENCE DRAWINGS REVISIONS



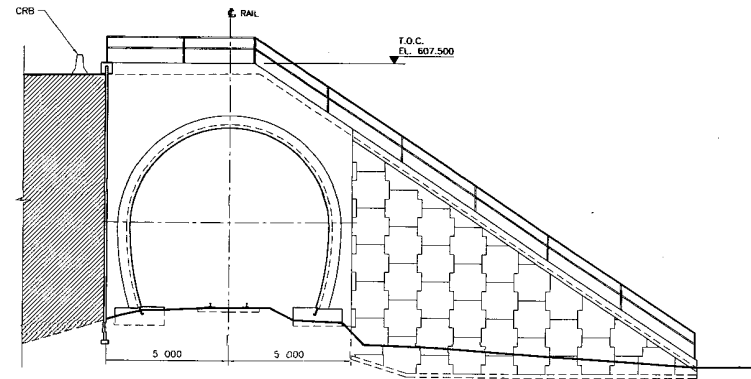
SECTION C
SCALE 1:100 (401)




SECTION D
SCALE 1:100 (401)




SECTION E
SCALE 1:100 (401)



SECTION F
SCALE 1:100 (401)


 DESIGNED JP DATE SEP 04
 CHECKED JM DATE SEP 04
 DRAWN MT DATE SEP 04
 APPROVED DATE

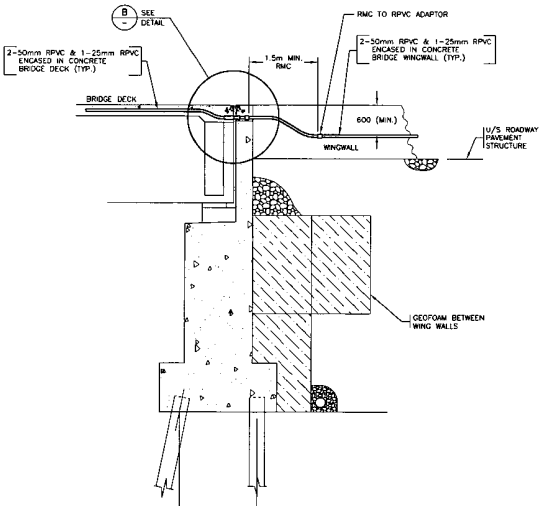

 MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 DB13
 BC RAIL OVERHEAD No. 2
 GENERAL ARRANGEMENT
 SHEET 2

DWG. No.	Description	Rev	Date	Description	Signature
		B1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

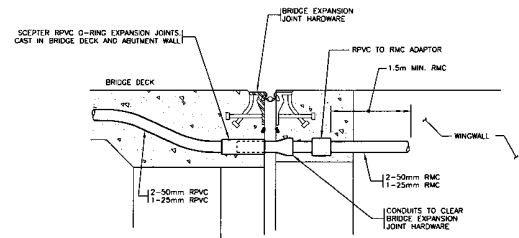
 Project Manager	 Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DATE 42DD-DB13-0402		DRAWING No. B1

REFERENCE DRAWINGS

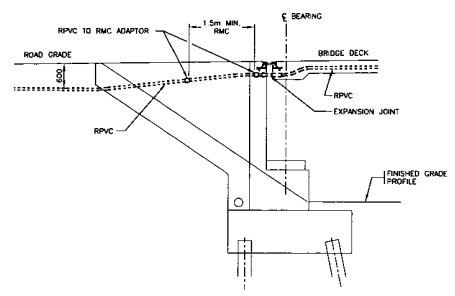
REVISIONS



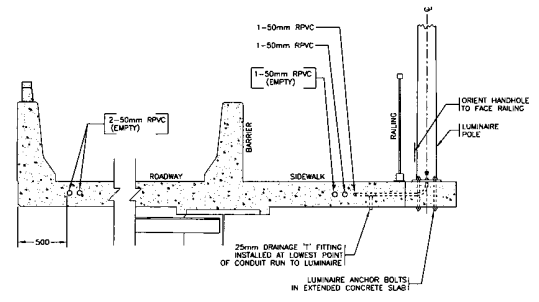
DETAIL A
N.T.S.



DETAIL B TYPICAL EXPANSION JOINT
N.T.S.



SECTION A TYPICAL BRIDGE DECK CONDUIT PLACEMENT
1:100



SECTION B TYPICAL BRIDGE DECK LUMINAIRE INSTALLATION
1:25

BRIDGE ELECTRICAL INSTALLATION NOTES
 1. RPVC CONDUIT EXPANSION JOINTS INSTALLED IN ALL CONDUIT TRANSITIONS FROM THE BRIDGE TO GRADE AT BOTH ABUTMENTS FOR EACH BRIDGE.
 2. DRAIN FITTINGS INSTALLED IN EACH 25mm CONDUIT RUN TO LUMINAIRE BASES ON THE BRIDGE AT THE LOWEST POINT IN THE RUN AND EXTENDED DOWN THROUGH THE BOTTOM OF THE BRIDGE DECK.

ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS



S2S TRANSPORTATION GROUP

SCALE AS NOTED

DESIGNED _____ DATE 04-02-15
 CHECKED _____ DATE 04-10-15
 DRAWN _____ DATE 04-09-15
 APPROVED _____ DATE 04-10-15

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
CONDUIT INSTALLATION
TYPICAL BRIDGE DETAILS
VARIOUS LOCATIONS

DWG. No.	Description	Rev	Date	Description	Signature
		PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **PBA**

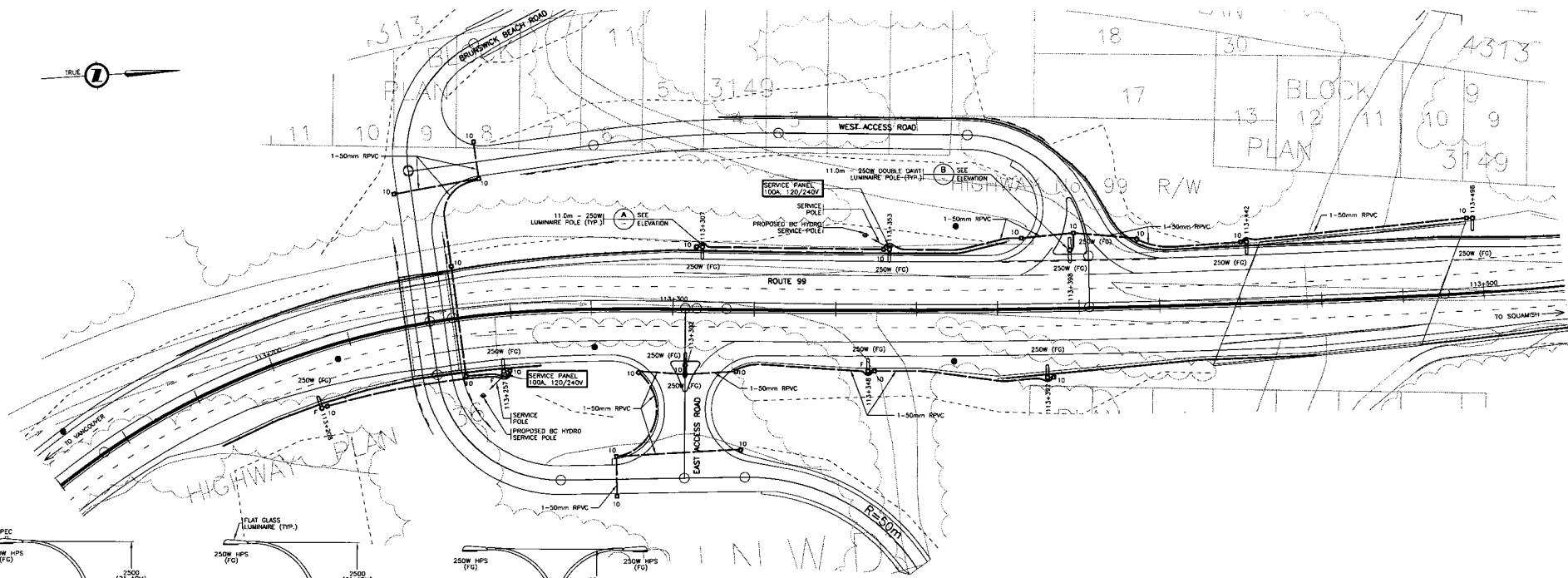
PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. **214753-EN10-P** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **47DD-DB00-9017 PA**

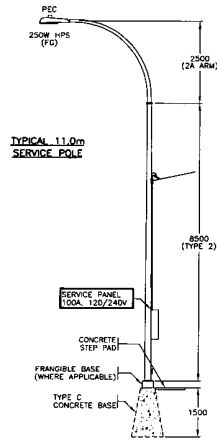
REFERENCE DRAWINGS REVISIONS

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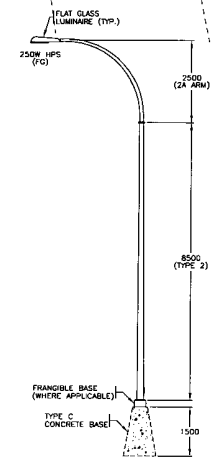
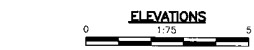
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SITE PLAN
0 1:500 25



ELEVATION A TYPICAL 11.0m - 250W LUMINAIRE POLE
1:75



ELEVATION B TYPICAL 11.0m - 250W DOUBLE DAVIT LUMINAIRE POLE
1:75



ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 80 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

S2S TRANSPORTATION GROUP

SCALE AS NOTED

DESIGNED: B. SHY DATE: 04-09-10
 CHECKED: B. SHY DATE: 04-10-10
 DRAWN: J. BA DATE: 04-09-10
 APPROVED: P. BOURGEOIS DATE: 04-10-20

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER LIGHTING INSTALLATION
 SITE PLAN - ELEVATIONS
 ROUTE 99 AT BRUNSWICK BEACH ROAD
 (APPROX. 1.5km NORTH OF LIONS BAY)

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **PBA**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No.: 214753-EN10-P PROJECT No.: 09801-ST33 REGION: 1 DRAWING No.: 4700-DB03-0001 (PA)
 DATE: _____

Rev.	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

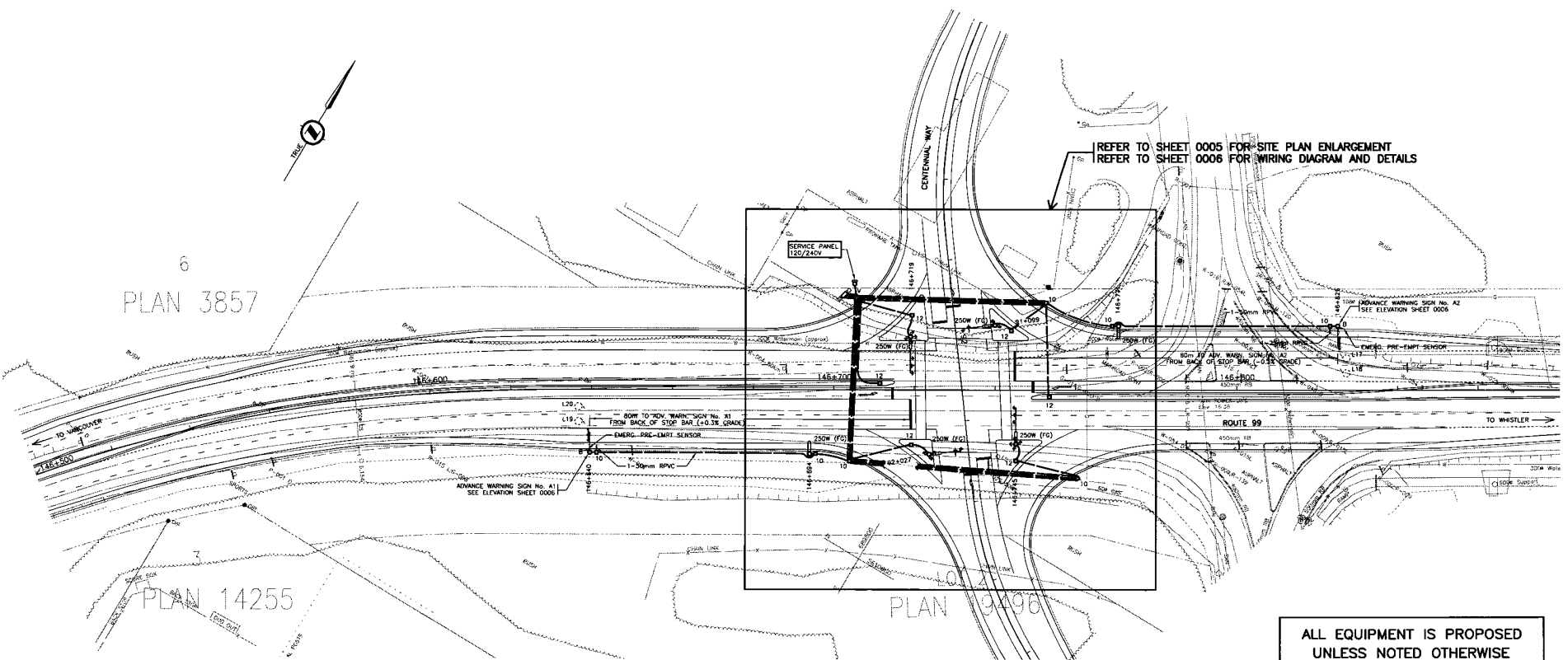
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6
PLAN 3857

PLAN 14255

PLAN 9496

REFER TO SHEET 0005 FOR SITE PLAN ENLARGEMENT
REFER TO SHEET 0006 FOR WIRING DIAGRAM AND DETAILS




ALL EQUIPMENT IS PROPOSED
UNLESS NOTED OTHERWISE


POSTED SPEED LIMIT (ROUTE 99) 70 km/h

DO NOT USE THIS DRAWING FOR
PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES
EXCEPT WHERE NOTED

SEE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
FOR APPLICABLE STANDARD DRAWINGS


 S2S TRANSPORTATION GROUP
 SCALE AS NOTED
 DESIGNED BY: [blank] DATE: 04-09-10
 CHECKED BY: [blank] DATE: 04-10-10
 DRAWN BY: [blank] DATE: 04-09-10
 APPROVED BY: [blank] DATE: 04-10-20


 MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 TRAFFIC SIGNAL AND LIGHTING INSTALLATION
 SITE PLAN
 ROUTE 99 AT CENTENNIAL WAY

DWG. No.	Description	Rev.	Date	Description	Signature
PA 25/01/10	ISSUED FOR PROPOSAL SUBMITTAL				

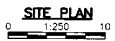
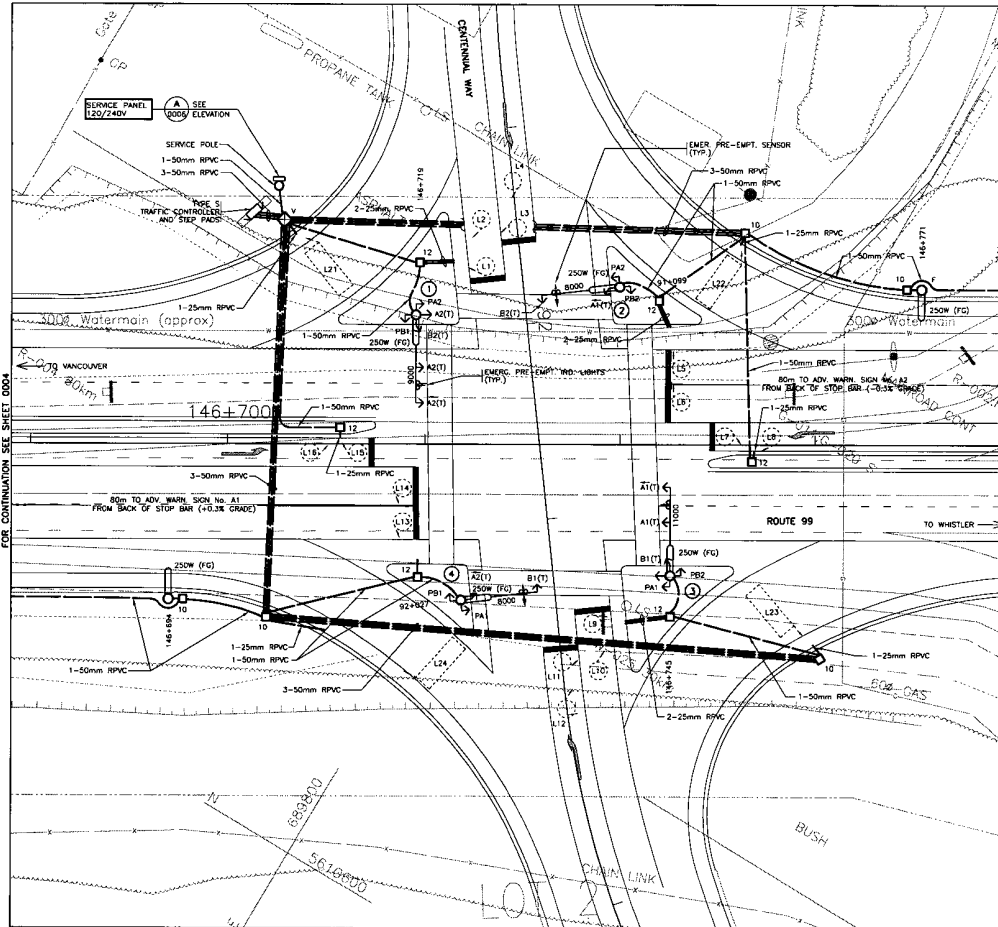
Project Managers:  Hatch Mott MacDonald
 Design Consultant:  PBA
 PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER
 DATE: _____
 FILE No. 214753-EN10-P PROJECT No. 09901-ST53 REGION 1 DRAWING No. 47DD-DB08-0004 | PA

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



SEA TO SKY HIGHWAY IMPROVEMENT PROJECT, DBFO - HORSESHOE BAY TO WHISTLER, TRAFFIC SIGNAL AND LIGHTING INSTALLATION, SITE PLAN ENLARGEMENT, 11/27/2014, 03:18 PM, JH/STN



ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 70 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE 'STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION' FOR APPLICABLE STANDARD DRAWINGS

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
TRAFFIC SIGNAL AND LIGHTING INSTALLATION
SITE PLAN ENLARGEMENT
ROUTE 99 AT CENTENNIAL WAY

DESIGNED: B. DAY DATE: 04-09-13
CHECKED: B. DAY DATE: 04-10-13
DRAWN: PBA DATE: 04-09-13
APPROVED: P. BOUICHAU DATE: 04-10-20

SCALE: AS NOTED

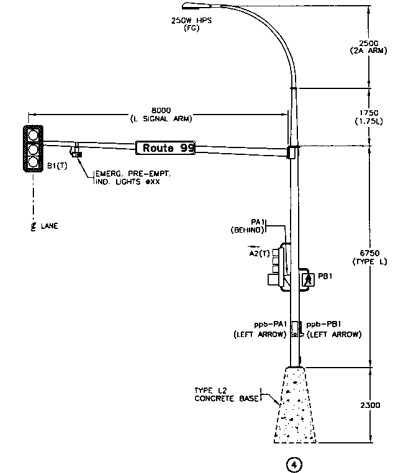
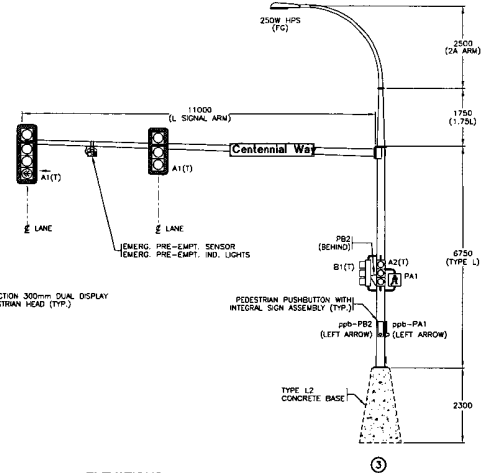
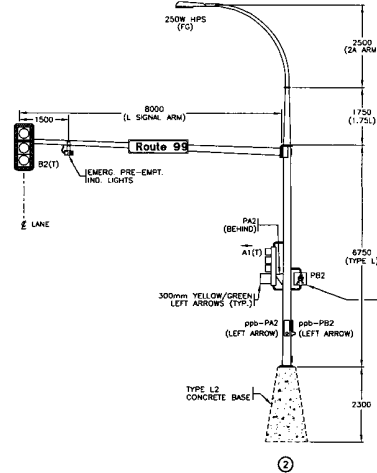
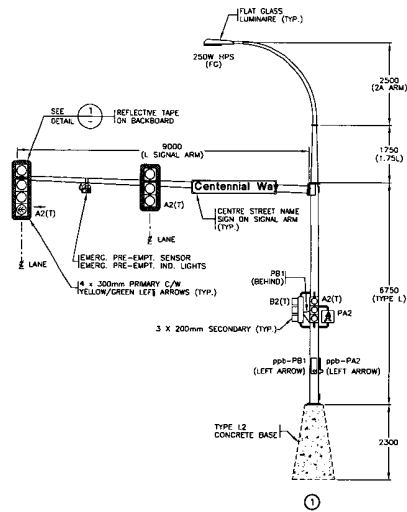
DWG. No.	Description	Rev.	Date	Description	Signature
		PA	03/07/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

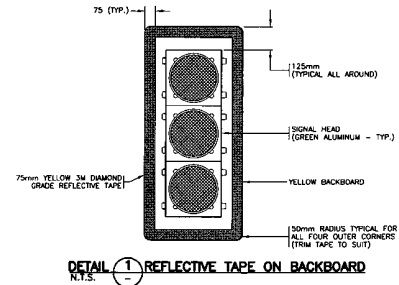
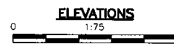
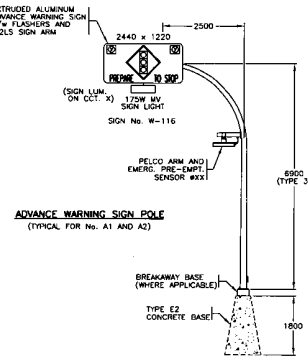
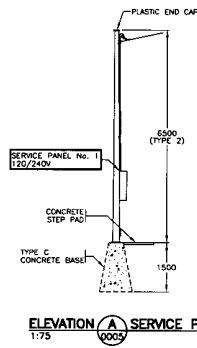
REVISIONS

Project Managers		Design Consultant		PREPARED UNDER THE DIRECTION OF	
				SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REVISION	DATE	DRAWING No.	
214753-EN10-P	09901-ST53	1	47DD-DB08-0005 PA		
CANCEL PRINTS BEARING PREVIOUS LETTER					

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ALL SIGNAL DISPLAYS ARE LED



ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

SCALE AS NOTED

DESIGNED	B. DAY	DATE 04-09-10
CHECKED	B. DAY	DATE 04-10-10
DRAWN	M. HA	DATE 04-09-10
APPROVED	P. ROUDSIAH	DATE 04-10-20



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

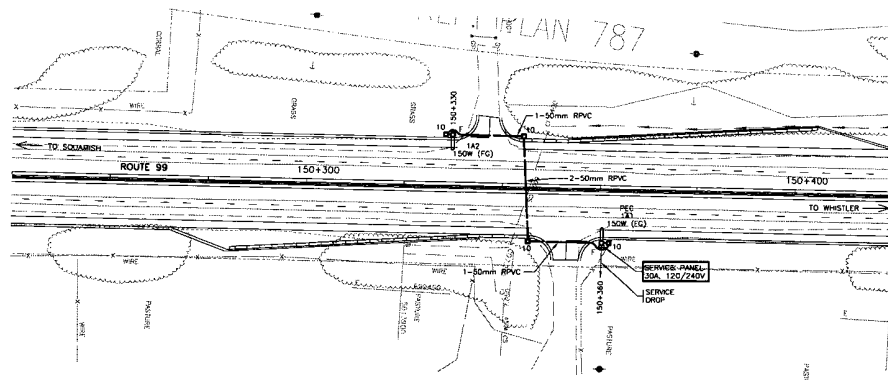
DBFO - HORSESHOE BAY TO WHISTLER
TRAFFIC SIGNAL AND LIGHTING INSTALLATION
ELEVATIONS - DETAILS
ROUTE 99 AT CENTENNIAL WAY

DWG. No.	Description	Rev	Date	Description	Signature
PA	1/5/01/10			ISSUED FOR PROPOSAL SUBMITTAL	
REFERENCE DRAWINGS					
REVISIONS					

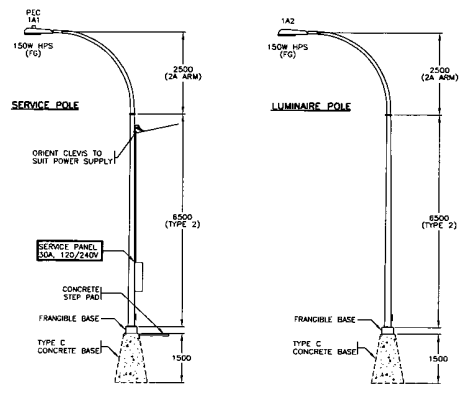
Project Managers Hatch Mott MacDonald	Design Consultant PBA		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.
	FILE No. 214753-EN10-P	PROJECT No. 09901-ST53	

CANCEL PRINTS BEARING PREVIOUS LETTER

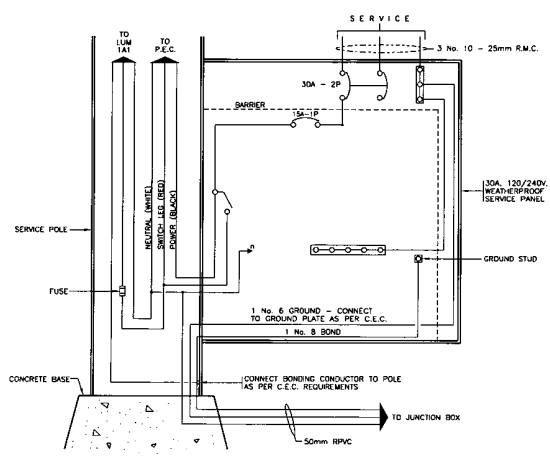
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SITE PLAN
0 1:500 25



ELEVATIONS
0 1:75 5



WIRING DIAGRAM - SERVICE PANEL
N.T.S.

ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 80 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

S2S TRANSPORTATION GROUP

SCALE AS NOTED

DESIGNED BY: DATE: 04-09-10
 CHECKED BY: DATE: 04-10-10
 DRAWN BY: DATE: 04-09-10
 APPROVED BY: BIODOREAN DATE: 04-10-20

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 LIGHTING INSTALLATION
 SITE PLAN - ELEVATIONS
 RIGHT-IN / RIGHT-OUT - VARIOUS LOCATIONS

Rev.	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**

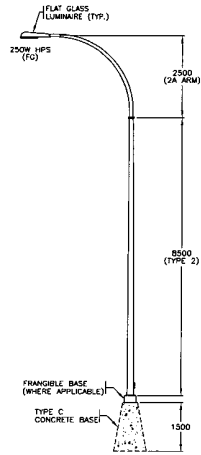
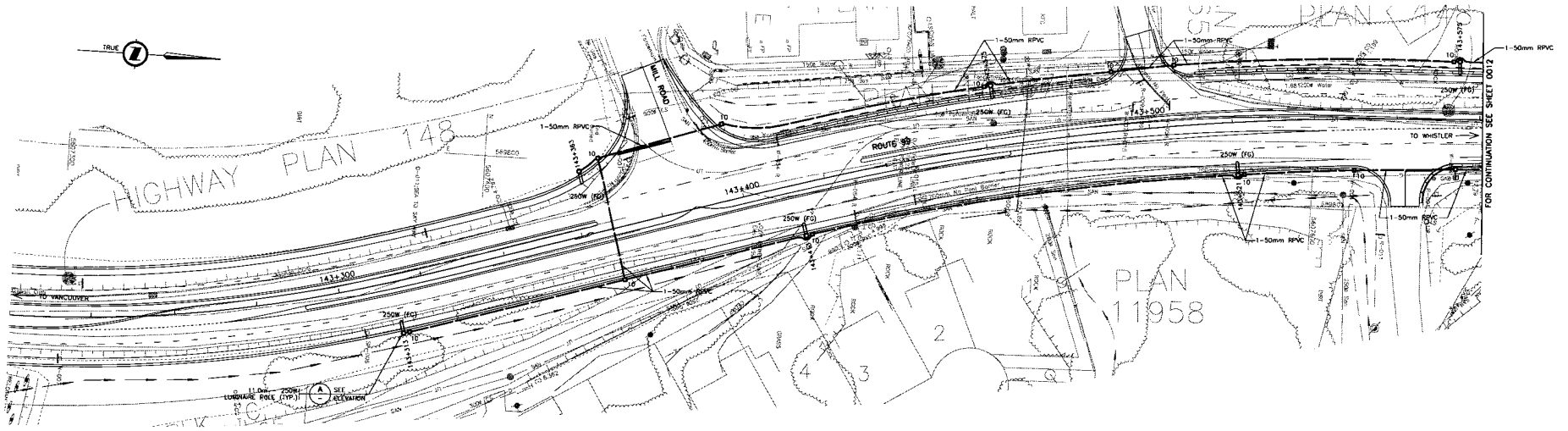
Design Consultant: **PBA**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-P PROJECT No. 09901-ST33 REGION 1 DRAWING No. 47DD-DB08-0007 PA

REFERENCE DRAWINGS REVISIONS

CAN/CI PRINTS BEARING PREVIOUS LETTER



ELEVATION A TYPICAL 11.0m - 250W LUMINAIRE POLE
1:75



SITE PLAN
0 1:500 25

ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 60 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS



SCALE AS NOTED

DESIGNED J. DAY DATE 04-26-10
CHECKED B. DAY DATE 04-10-10
DRAWN J.P.A. DATE 04-09-10
APPROVED P. BOUDREAU DATE 04-10-20



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
LIGHTING INSTALLATION
SITE PLAN - ELEVATION
TYPICAL CONTINUOUS LIGHTING

Dwg. No.	Description	Rev	Date	Description	Signature
		PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

REFERENCE DRAWINGS

REVISIONS

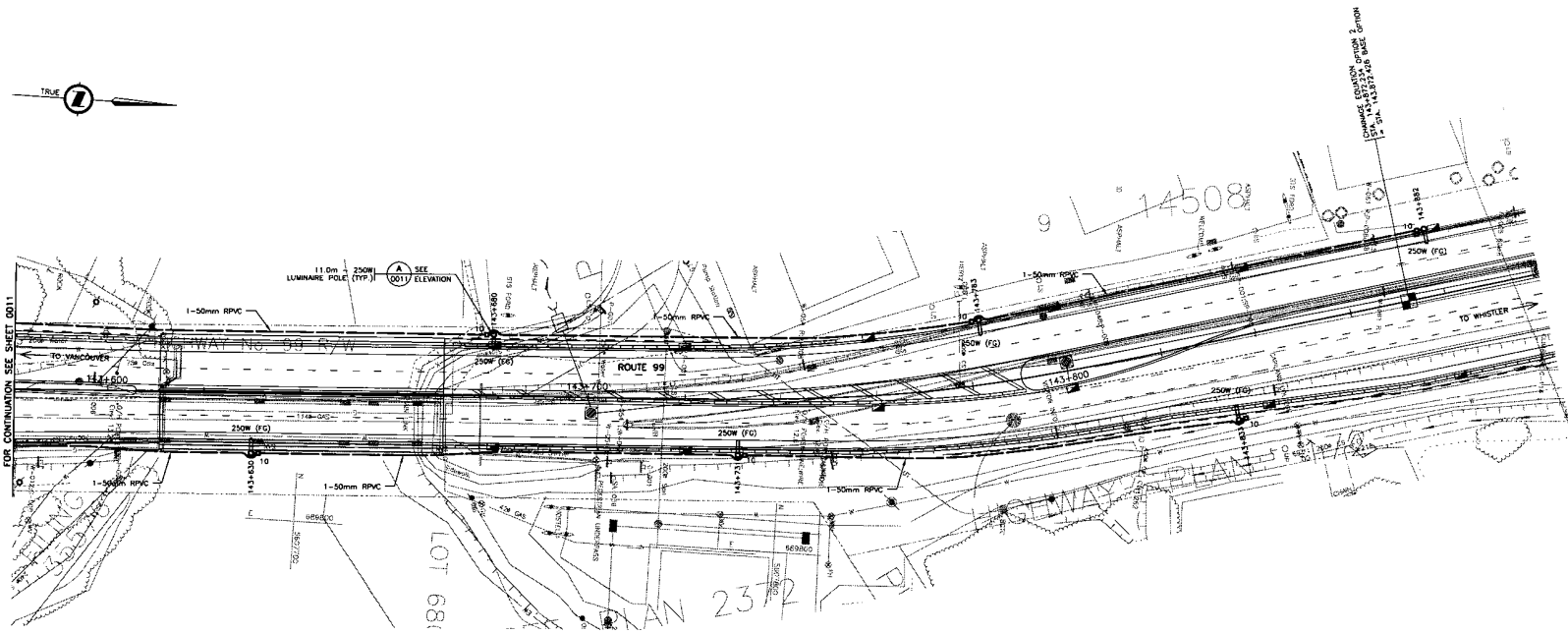


PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-P PROJECT No. 09901-ST33 REGION 1 DRAWING No. 47DD-DB08-0011(PA)

CANCEL PRINTS BEARING PREVIOUS LETTER

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ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 60 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

S2S TRANSPORTATION GROUP

DESIGNED BY DAY DATE 04-08-10
 CHECKED BY DAY DATE 04-10-15
 DRAWN BY PBA DATE 04-08-12
 APPROVED BY BOURGAIN DATE 04-10-20

SCALE AS NOTED

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 LIGHTING INSTALLATION
 SITE PLAN
 TYPICAL CONTINUOUS LIGHTING

DWG. No.	Description	Rev.	Date	Description	Signature
		PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL	

Project Managers: **Hatch Mott MacDonald**

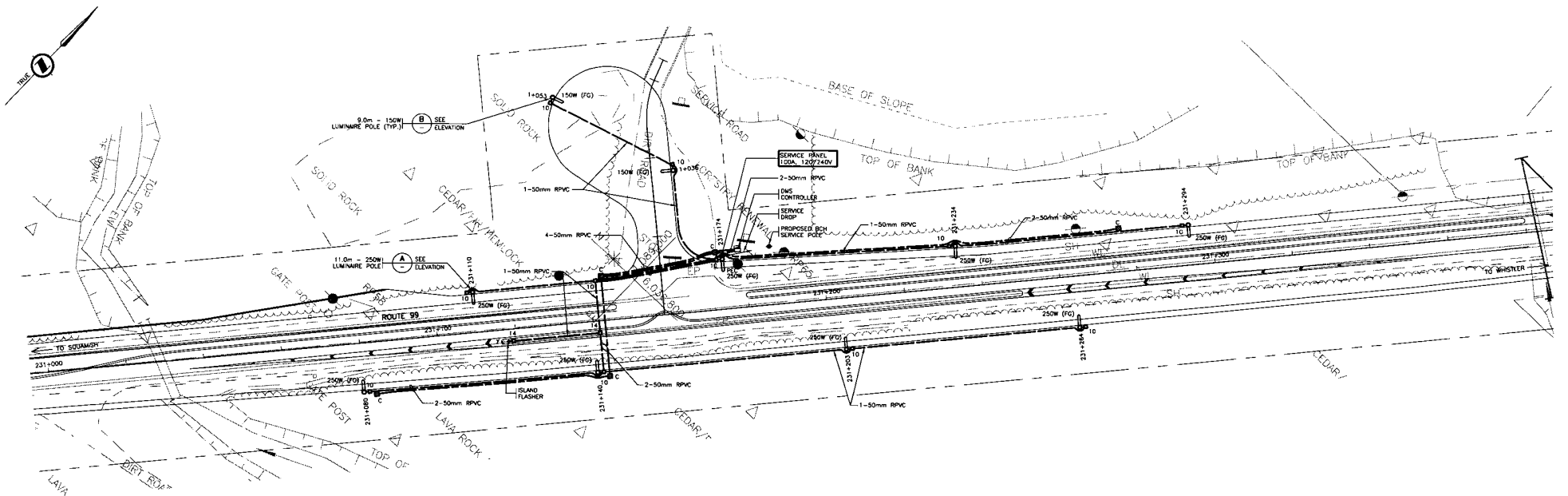
Design Consultant: **PBA** SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-P PROJECT No. 09801-ST53 REGION 1 DATE 47DD-0808-0012 PA

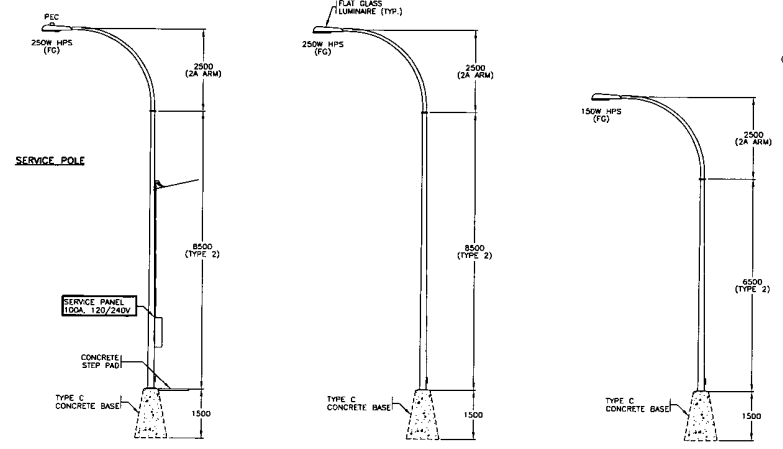
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CANCEL PRINTS BEARING PREVIOUS LETTER

C:\MATERIALS\DRAWING\SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT\DRAWINGS\DESIGN\ENCL\ENCL12 - SPSL - 250W - 150W - MESSAGE SIGN - MESSAGE IMPROVEMENT PROJECT.DWG, 11/27/2004, 01:14 PM, 143230



SITE PLAN
1:500



ELEVATION A TYPICAL 11.0m - 250W LUMINAIRE POLE
1:75

ELEVATION B TYPICAL 9.0m - 150W LUMINAIRE POLE
1:75

ELEVATIONS
1:75

ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

POSTED SPEED LIMIT (ROUTE 99) 60 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

S2S TRANSPORTATION GROUP

SCALE AS NOTED

DESIGNED BY: DATE 04-08-10
 CHECKED BY: DATE 04-10-10
 DRAWN BY: DATE 04-09-10
 APPROVED BY: B. BODDREAU DATE 04-10-20

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 LIGHTING AND MESSAGE SIGN INSTALLATION
 SITE PLAN
 CHANCE CREEK FOREST SERVICE ROAD

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR PROPOSAL SUBMITTAL		05/01/10		

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **PBA**

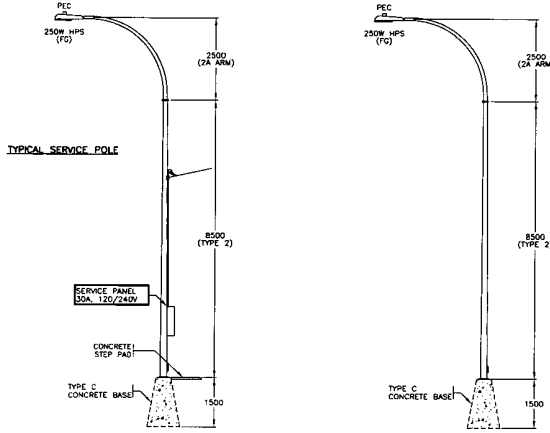
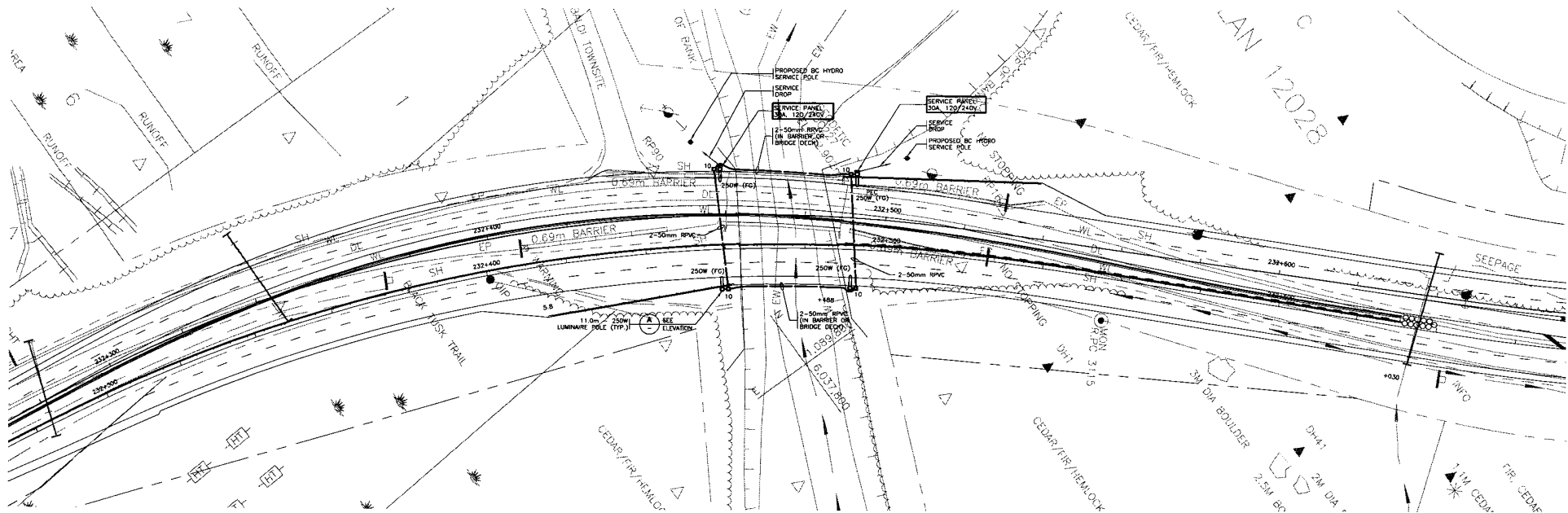
PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

PROJECT No. **214753-EN10-P** REGION **1** DRAWING No. **09901-ST53 4700-DB12-0001 PA**

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

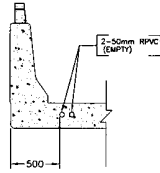
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ELEVATION A TYPICAL 11.0m - 250W LUMINAIRE POLE
1:7.5



SITE PLAN
1:500



SECTION A TYPICAL BRIDGE DECK CONDUIT INSTALLATION
1:25

ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE

DO NOT USE THIS DRAWING FOR PAVEMENT MARKING AND SIGNING STANDARDS

ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE NOTED

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

S2S TRANSPORTATION GROUP

SCALE AS NOTED

DESIGNED: R. DAY DATE: 24-08-10
 CHECKED: R. DAY DATE: 24-10-15
 DRAWN: FSA DATE: 24-08-12
 APPROVED: P. BOGUSKI DATE: 24-10-20

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER BRIDGE DECK LIGHTING SITE PLAN VARIOUS LOCATIONS

DWG. No.	Description	Rev.	Date	Description	Signature
PA	05/01/10	ISSUED FOR PROPOSAL SUBMITTAL			

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **PBA**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No: **214753-EN10-P** PROJECT No: **09901-ST53** REVISION: **1** DRAWING No: **4700-DB12-0002 PA**

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

DRAWING INDEX - HIGHWAY DRAWINGS

DB00

- 4100-DB00-0000 COVER SHEET
4100-DB00-0001 DRAWING LIST - HIGHWAY DRAWINGS SHEET 1 OF 2
4100-DB00-0002 DRAWING LIST - HIGHWAY DRAWINGS SHEET 2 OF 2
4100-DB00-0003 LEGEND
4100-DB00-0004 KEY PLAN
4100-DB00-9901 SHOULDER DETAIL

DB01

- 4100-DB01-0001 KEY MAP & TITLE
4100-DB01-0101 PLAN
4100-DB01-0102 PLAN
4100-DB01-0103 PLAN
4100-DB01-0104 PLAN
4100-DB01-0105 PLAN
4100-DB01-0106 PLAN
4100-DB01-0107 PLAN
4100-DB01-0108 PLAN
4100-DB01-0109 PLAN
4100-DB01-0110 PLAN
4100-DB01-0111 PLAN
4100-DB01-0201 PROFILE L-100
4100-DB01-0202 PROFILE L-100
4100-DB01-0203 PROFILE L-100
4100-DB01-0204 PROFILE L-100
4100-DB01-0205 PROFILE L-10 & L-20
4100-DB01-0206 PROFILE L-30, L-50 & L-70
4100-DB01-0207 PROFILE L-80 & L-90
4100-DB01-0301 TYPICAL SECTIONS
4100-DB01-0302 TYPICAL SECTIONS & DETAILS
4100-DB01-0403 GEOMETRICS AND LANNING
4100-DB01-0404 GEOMETRICS AND LANNING
4100-DB01-0405 GEOMETRICS AND LANNING
4100-DB01-0406 GEOMETRICS AND LANNING
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4100-DB01-0409 GEOMETRICS AND LANNING
4100-DB01-0410 GEOMETRICS AND LANNING
4100-DB01-0411 GEOMETRICS AND LANNING
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4100-DB01-0502 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE
4100-DB01-0503 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE
4100-DB01-0504 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE
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4100-DB01-0515 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE
4100-DB01-0516 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE
4100-DB01-0517 SUGGESTED DETOUR STAGING - STS-081 SOUTH INTERCHANGE

DB03

- 4100-DB03-0001 KEY MAP & TITLE
4100-DB03-0002 SUPPLEMENTARY LEGEND
4100-DB03-0101 PLAN
4100-DB03-0102 PLAN
4100-DB03-0103 PLAN
4100-DB03-0104 PLAN
4100-DB03-0105 PLAN
4100-DB03-0201 PROFILE L-100
4100-DB03-0202 PROFILE L-100
4100-DB03-0203 PROFILE L-100
4100-DB03-0204 PROFILE L-1, L-2, L-3
4100-DB03-0205 PROFILE L-10
4100-DB03-0206 PROFILE L-5, L-6
4100-DB03-0301 TYPICAL SECTIONS AND DETAILS
4100-DB03-0302 TYPICAL SECTIONS AND DETAILS
4100-DB03-0401 GEOMETRICS AND LANNING
4100-DB03-0402 GEOMETRICS AND LANNING
4100-DB03-0403 GEOMETRICS AND LANNING
4100-DB03-0404 GEOMETRICS AND LANNING
4100-DB03-0405 GEOMETRICS AND LANNING
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4100-DB03-0602 INTERCHANGES
4100-DB03-0603 INTERCHANGES

DB04

- 4100-DB04-0001 KEY MAP & TITLE
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4100-DB04-0101 PLAN
4100-DB04-0102 PLAN
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4100-DB04-0207 PROFILE
4100-DB04-0208 PROFILE
4100-DB04-0209 PROFILE
4100-DB04-0301 TYPICAL SECTIONS
4100-DB04-0302 TYPICAL SECTIONS
4100-DB04-0401 GEOMETRICS AND LANNING
4100-DB04-0402 GEOMETRICS AND LANNING
4100-DB04-0403 GEOMETRICS AND LANNING

DB05

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REFERENCE DRAWINGS

REVISIONS

Table with columns: DWG. No., Description, Rev. Date, Description, Signature



Table with columns: DESIGNED BY, DATE, CHECKED BY, DATE, DRAWN BY, DATE, APPROVED BY, DATE

214753-EN10-H 09901-STSS 1 4100-DB00-0001 PA

CANCEL PRINTS BEARING PREVIOUS LETTER

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41DD-DB13-0403	GEOMETRICS AND LANING STA 237+000.000 TO STA 237+601.435
41DD-DB13-0404	GEOMETRICS AND LANING STA 237+601.435 TO STA 238+202.828
41DD-DB13-0405	GEOMETRICS AND LANING STA 238+202.828 TO STA 238+804.710
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41DD-DB13-0421	GEOMETRICS AND LANING STA 247+214.079 TO STA 247+814.293
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41DD-DB13-0424	GEOMETRICS AND LANING STA 248+021.855 TO STA 248+743.996
41DD-DB13-0425	GEOMETRICS AND LANING STA 249+021.855 TO STA 249+743.996
41DD-DB13-0426	GEOMETRICS AND LANING STA 249+743.996 TO STA 250+283.112

S2S TRANSPORTATION GROUP

SCALE N/A

DESIGNED MT DATE SEP 04
 CHECKED TM DATE SEP 04
 DRAWN MT DATE SEP 04
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB00

HORSESHOE BAY TO WHISTLER DRAWING LIST - HIGHWAY DRAWINGS

SHEET 2 OF 2

DWG No.	Description	Rev	Date	Description	Signature
		PA	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF: _____

SENIOR DESIGN ENGINEER: _____

DATE: _____

DRAWING No.: _____

FILE No.: 214753-EN10-H

PROJECT No.: 09901-ST53

REGION: 1

DRAWING No.: 41DD-DB00-0002 PA

REFERENCE DRAWINGS REVISIONS

DRAWING FILE NO.

LEGEND

EXISTING

AERIAL UTILITIES

Deadman	⊙
Anchor / Guy Wire	—
High Tension Pole	⊙
High Tension Tower	⊙
Power Guy Pole	—
Power Pole	⊙
Power Pole with Transformer	⊙
Power / phone with Transformer	⊙
Power / Phone Pole	⊙
Telephone Pole	⊙
Telephone Guy Pole	—
Pedestal (B.C. Tel.)	⊙
Telephone Booth	⊙
Power / Phone Guy Pole	—

SURVEY

Bench Mark	×
Standard Iron Pin	⊙
Lead Plug	⊙
Wooden Post	⊙
Witness Post	⊙
Reference Point	⊙
Monument	⊙
Aluminum Post	⊙
Angle Iron	⊙
Standard Brass Cop	⊙
Concrete Post	⊙
Dominion Iron Pin	⊙
Unmarked Measured Point	⊙
Rock Post	⊙
Round Iron Post	⊙
Square Iron Post	⊙
Detail Hub (etc.)	⊙
Test Hole	⊙
Test Pit	⊙
Spot Elevation	⊙

DETAIL

Concrete Pillar	⊙
Guard Post	⊙
Piling	⊙
Gate Post	⊙
Road Sign	⊙
Well	⊙
Tree	⊙
Decorative Tree	⊙
Delineator Post	⊙
Flag Pole	⊙
Mail Box	⊙
Commercial Message Sign	⊙

EXISTING

DRAINAGE

Catch Basin / Manhole	■
Culvert Outlet	—
Culvert Inlet	—
Drainage Grote	■
Manhole (Existing)	⊙
Catch Basin (Existing)	■
Culvert Kink	·

METERS

Service Meter	⊙
Water Meter	⊙
Valve	⊙
Water Valve	⊙
Fire Hydrant	⊙
Gas Valve	⊙

UNDERGROUND

Filler Cap	⊙
Fuel / Gas Pump	⊙
Fuel Tank	⊙
Septic Tank	⊙
Underground Marker	⊙
Breather / Vent Pipe	⊙

ELECTRICAL

Traffic Signal Control Box	⊙
Electrical Outlet	⊙
Junction Box	⊙
Kiosk	⊙
Lamp Standard	⊙
Traffic Signal	⊙
Traffic Counter	⊙
Utility Pole	⊙

PROPOSED

DRAINAGE

Catch Basin	■
Manhole	⊙
Asphalt Spillway	■
Splash Pad in Cut	■
Splash Pad in Fill	■
Ditch Inlet Structure	■
Cleanout	⊙
Riprap Outfall Apron	■

EXISTING

LEGAL LINETYPES

International Bdy.	—
Section/District Bdy.	—
Parcel Boundary/Old Road R/W	—
Quarter Section	—
Easement	—

MAN MADE FEATURES LINETYPES

Centerline Road	—
Edge of Pavement	—
Concrete Barrier	—
Dirt Road/Driveway	—
Fence	—
Gravel Road/Driveway	—
Hedge/Bush/Tree Line	—
Railway	—
Retaining Wall	—
Guard Rail	—
Point Lines - Solid	—
- Dashed	—

UNDERGROUND UTILITIES LINETYPES

Gas Main	—
Oil	—
Sanitary Sewer Line	—
Storm/Sewer Drain	—
Electrical Cable	—
Miscellaneous	—
Telephone Cable	—
Water Main	—
Culvert	—

OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
-------------------	---

HYDRAULIC LINETYPES

Creek/Ditch/Stream	—
Edge of Water	—

PROPOSED

LEGAL LINETYPES

Highway Right of Way	—
Easement	—

CONSTRUCTION DETAILS LINETYPES

Berm	—
Clearing and Grubbing	—
Stripping	—

SURFACE DETAIL LINETYPES

Centerline Alignment	—
Edge of Pavement	—
Retaining Wall	—
Concrete Barrier	—
Slope Toes	—
Ditch/Swale	—
Fence	—
Point Lines - Solid	—
- Dashed	—
Curb Line	—

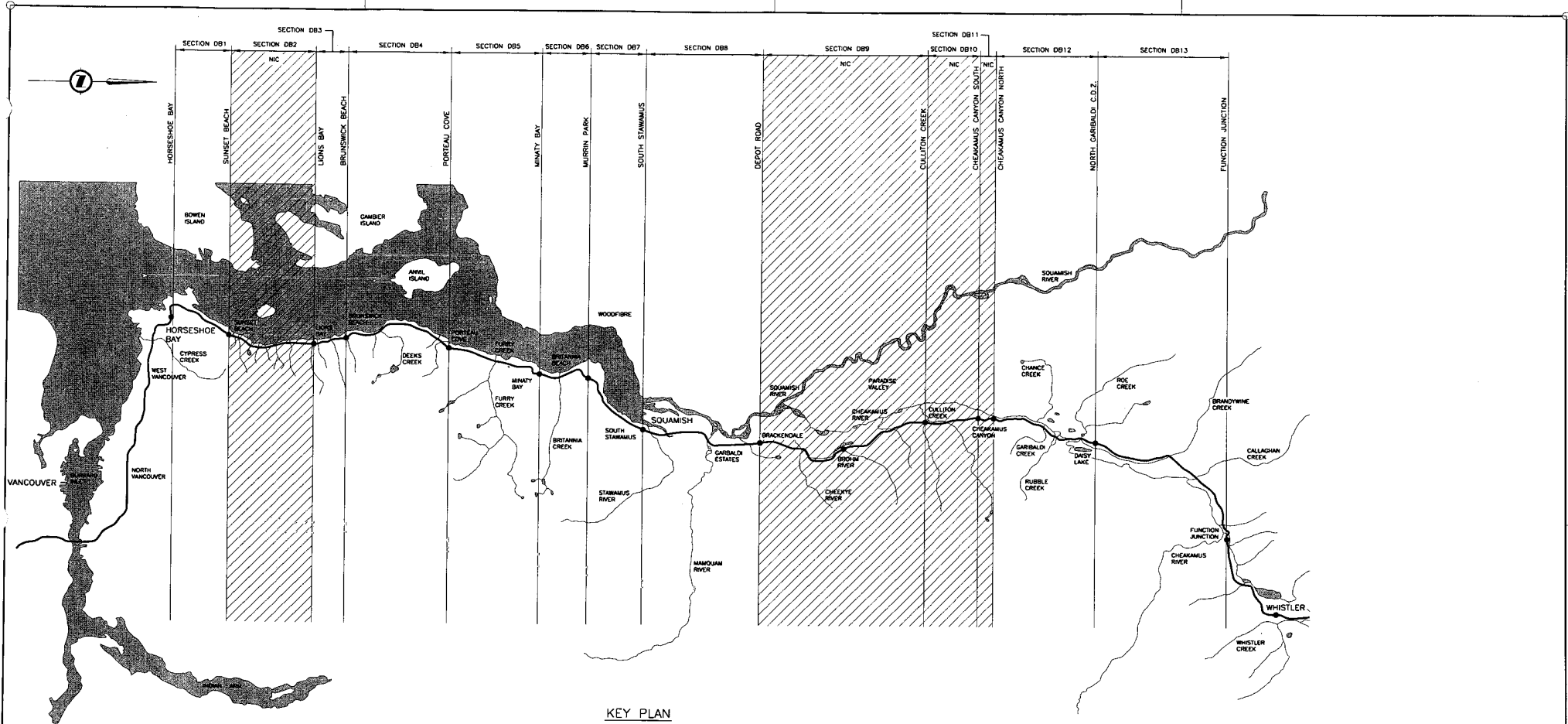
UNDERGROUND UTILITIES LINETYPES

Gas Main	—
Oil	—
Sanitary Sewer Line	—
Storm/Sewer Drain	—
Electrical Cable	—
Miscellaneous	—
Telephone Cable	—
Water Main	—
Culvert	—

OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
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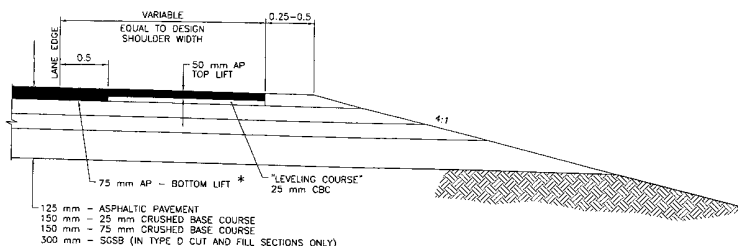
<p>SCALE N/A</p>	<p>DESIGNED: MT DATE: SEP 04</p> <p>CHECKED: TM DATE: SEP 04</p> <p>DRAWN: MT DATE: SEP 04</p> <p>APPROVED: DATE:</p>		<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER LEGEND HORSESHOE BAY TO WHISTLER</p>		
	<p>Rev Date Description</p> <p>PA 05/01/10 ISSUED FOR PROPOSAL SUBMISSION</p>	<p>Signature</p>		<p>Project Manager: Hatch Mott MacDonald</p> <p>Design Consultant: Hatch Mott MacDonald</p> <p>PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER</p>	
<p>DWG. No. Description</p>	<p>FILE No. 214753-EN10-H</p>	<p>PROJECT No. 09801-ST53</p>	<p>REGION 1</p>	<p>DATE</p>	<p>DRAWING No. 4100-DB00-0003 PA</p>
REFERENCE DRAWINGS		REVISIONS			



KEY PLAN

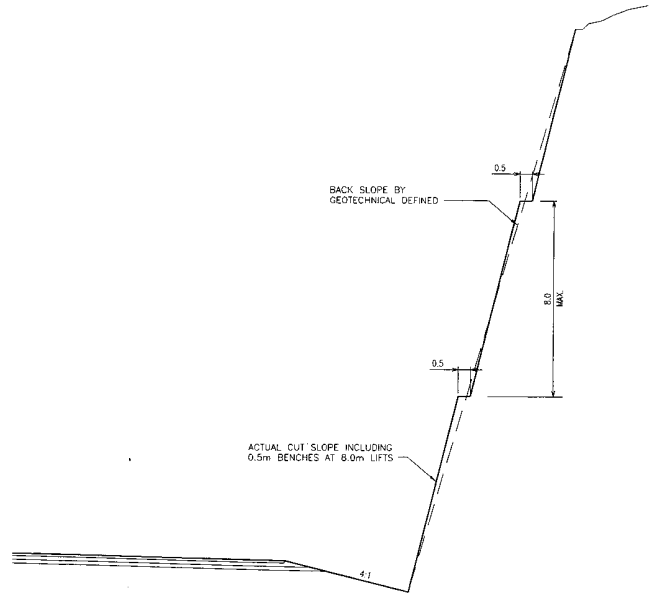
 TRANSPORTATION GROUP	DESIGNED: <u>MT</u> DATE: <u>SEP 04</u> CHECKED: <u>IM</u> DATE: <u>SEP 04</u> DRAWN: <u>MI</u> DATE: <u>SEP 04</u> APPROVED: _____ DATE: _____		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER DB00 HORSESHOE BAY TO WHISTLER KEY PLAN																								
	SCALE: NTS	PREPARED UNDER THE DIRECTION OF Hatch Mott MacDonald SENIOR DESIGN ENGINEER DATE: _____ PROJECT NO. 09901-ST53 RECON. 1 DRAWING NO. 41D0-DB00-0004 PA																									
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>DB00</td> <td>ISSUED FOR PROPOSAL SUBMITTAL</td> <td>PA</td> <td>05/01/10</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DWG. No.	Description	Rev.	Date	Description	Signature	DB00	ISSUED FOR PROPOSAL SUBMITTAL	PA	05/01/10															PROJECT MANAGERS Hatch Mott MacDonald		DESIGN CONSULTANT Hatch Mott MacDonald
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DB00	ISSUED FOR PROPOSAL SUBMITTAL	PA	05/01/10																								
REFERENCE DRAWINGS	REVISIONS		FILE No. 214753-EN10-H																								

100% C.D.P. PA



SHOULDER DETAIL
SCALE: NTS

* 50mm AP - BOTTOM LIFT NORTH OF SQUAMISH



TYPICAL ROCK CUT DETAIL
SCALE 1:100

NOTES:
1. THE SHOULDER DETAIL SHOWN SHALL SUPERSEDE OTHER DETAILS HEREIN, WITH REGARD TO THE SHOULDER AP THICKNESS.

S2S TRANSPORTATION GROUP

DESIGNED: ST DATE: NOV 04
 CHECKED: TP DATE: NOV 04
 DRAWN: SJ DATE: NOV 04
 APPROVED: DATE:

SCALE: AS SHOWN

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER DB00
SHOULDER DETAILS

DWG. No.	Description	Rev.	Date	Description	Signature
PA 05/01/10	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	DATE
	REGION 1	DRAWING No. 410D-DB00-9001 PA

REFERENCE DRAWINGS

REVISIONS

HATCH MOTT MACDONALD

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41DD-DB01-0001	PB	KEY MAP & TITLE	
41DD-DB01-0101	PB	PLAN	STA. 98+454.292 TO STA. 99+188.9
41DD-DB01-0102	PB	PLAN	STA. 99+188.9 TO STA. 99+821.4
41DD-DB01-0103	PB	PLAN	STA. 99+821.4 TO STA. 100+310.7
41DD-DB01-0104	PB	PLAN	STA. 100+310.7 TO STA. 100+888.7
41DD-DB01-0105	PB	PLAN	STA. 100+888.7 TO STA. 101+627.9
41DD-DB01-0106	PB	PLAN	STA. 101+627.9 TO STA. 102+249.8
41DD-DB01-0107	PB	PLAN	STA. 102+249.8 TO STA. 102+985.0
41DD-DB01-0108	PB	PLAN	STA. 102+985.0 TO STA. 103+669.9
41DD-DB01-0109	PB	PLAN	STA. 103+669.9 TO STA. 104+000.000
41DD-DB01-0110	PB	PLAN	
41DD-DB01-0111	PB	PLAN	
41DD-DB01-0201	PB	PROFILE L-100	
41DD-DB01-0202	PB	PROFILE L-100	
41DD-DB01-0203	PB	PROFILE L-100	
41DD-DB01-0204	PB	PROFILE L-100	
41DD-DB01-0205	PB	PROFILE L-10 & L-20	
41DD-DB01-0206	PB	PROFILE L-30, L-50 & L-70	
41DD-DB01-0207	PB	PROFILE L-80 & L90	
41DD-DB01-0301	PB	TYPICAL SECTIONS	
41DD-DB01-0302	PB	TYPICAL SECTIONS & DETAILS	
41DD-DB01-0403	PB	GEOMETRICS AND LANING	STA. 98+454.292 TO STA. 99+188.9
41DD-DB01-0404	PB	GEOMETRICS AND LANING	STA. 99+188.9 TO STA. 99+821.4
41DD-DB01-0405	PB	GEOMETRICS AND LANING	STA. 99+821.4 TO STA. 100+310.7
41DD-DB01-0406	PB	GEOMETRICS AND LANING	STA. 100+310.7 TO STA. 100+888.7
41DD-DB01-0407	PB	GEOMETRICS AND LANING	STA. 100+888.7 TO STA. 101+627.9
41DD-DB01-0408	PB	GEOMETRICS AND LANING	STA. 101+627.9 TO STA. 102+249.8
41DD-DB01-0409	PB	GEOMETRICS AND LANING	STA. 102+249.8 TO STA. 102+985.0
41DD-DB01-0410	PB	GEOMETRICS AND LANING	STA. 102+985.0 TO STA. 103+669.9
41DD-DB01-0411	PB	GEOMETRICS AND LANING	STA. 103+669.9 TO STA. 104+000.000



MINISTRY OF TRANSPORTATION

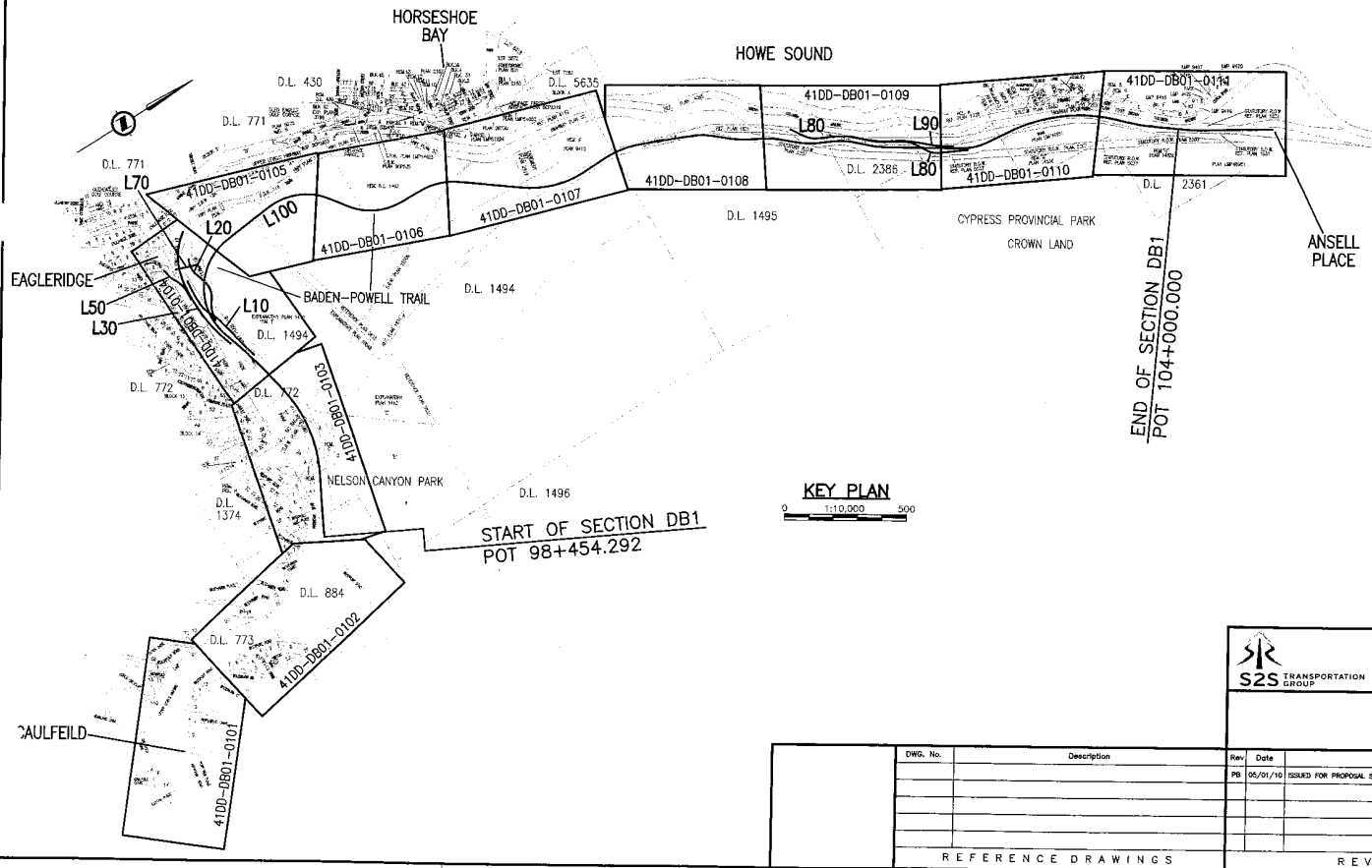
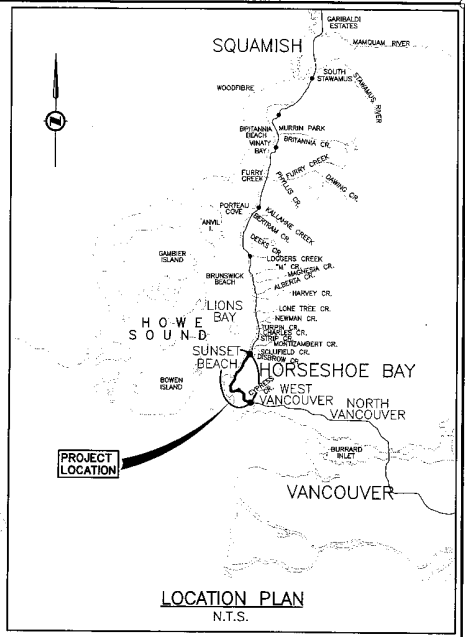
PROJECT No. 09901-ST53

Section DB1

Horseshoe Bay to Sunset Beach

STA. 98+454.292 TO STA. 104+000.000

5.546 km



KEY PLAN
1:10,000

DESIGNED: J. BEZARD, DATE: JAN. 2004		PROJECT No. 09901-ST53	
CHECKED: M. KOSTUCHAR, DATE: JAN. 2004		REGION 1	
DRAWN: J. HEDGECOCK, DATE: JAN. 2004		DRAWING No. 41DD-DB01-0001	
APPROVED: S. HEDGECOCK, DATE: JAN. 2004		PROJECT No. 09901-ST53	

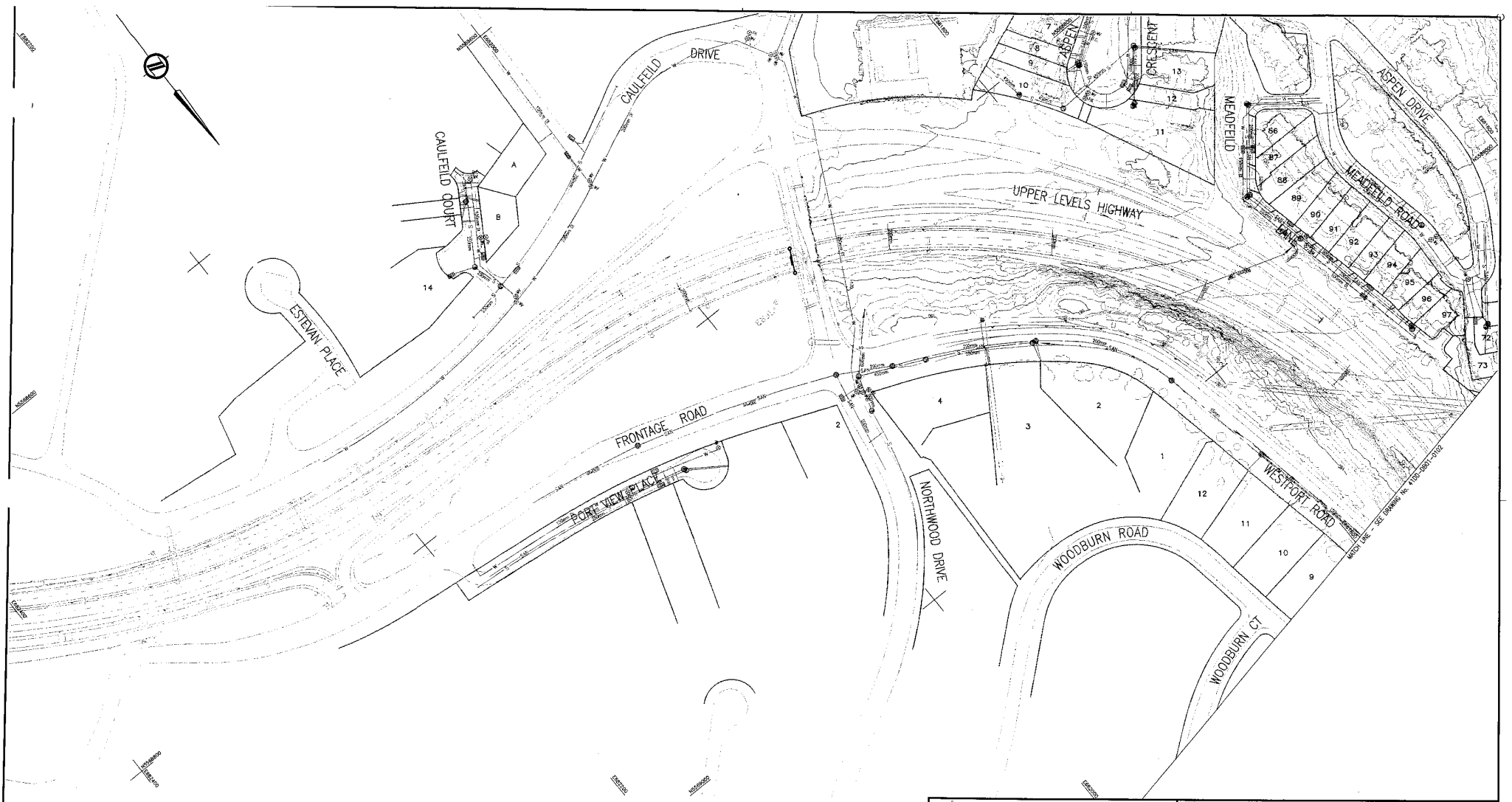
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
KEY MAP & TITLE
DB1 - HORSESHOE BAY TO SUNSET BEACH

DWG. No.	Description	Rev.	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. DEBARS

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF S. HEDGECOCK SENIOR DESIGN ENGINEER DATE: 10 DEC 04 DRAWING No. 41DD-DB01-0001
FILE No. 2111-40003-0	PROJECT No. 09901-ST53	REGION 1

REFERENCE DRAWINGS

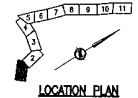
REVISIONS



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DWG. No.	Description	Rev.	Date	Description	Signature
		FB	05/31/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD
REFERENCE DRAWINGS					
REVISIONS					

S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

CHECKED: J. BEDARD DATE: JAN. 2004
 DRAWN: J. BEDARD DATE: JAN. 2004
 APPROVED: S. BEDARD DATE: JAN. 2004

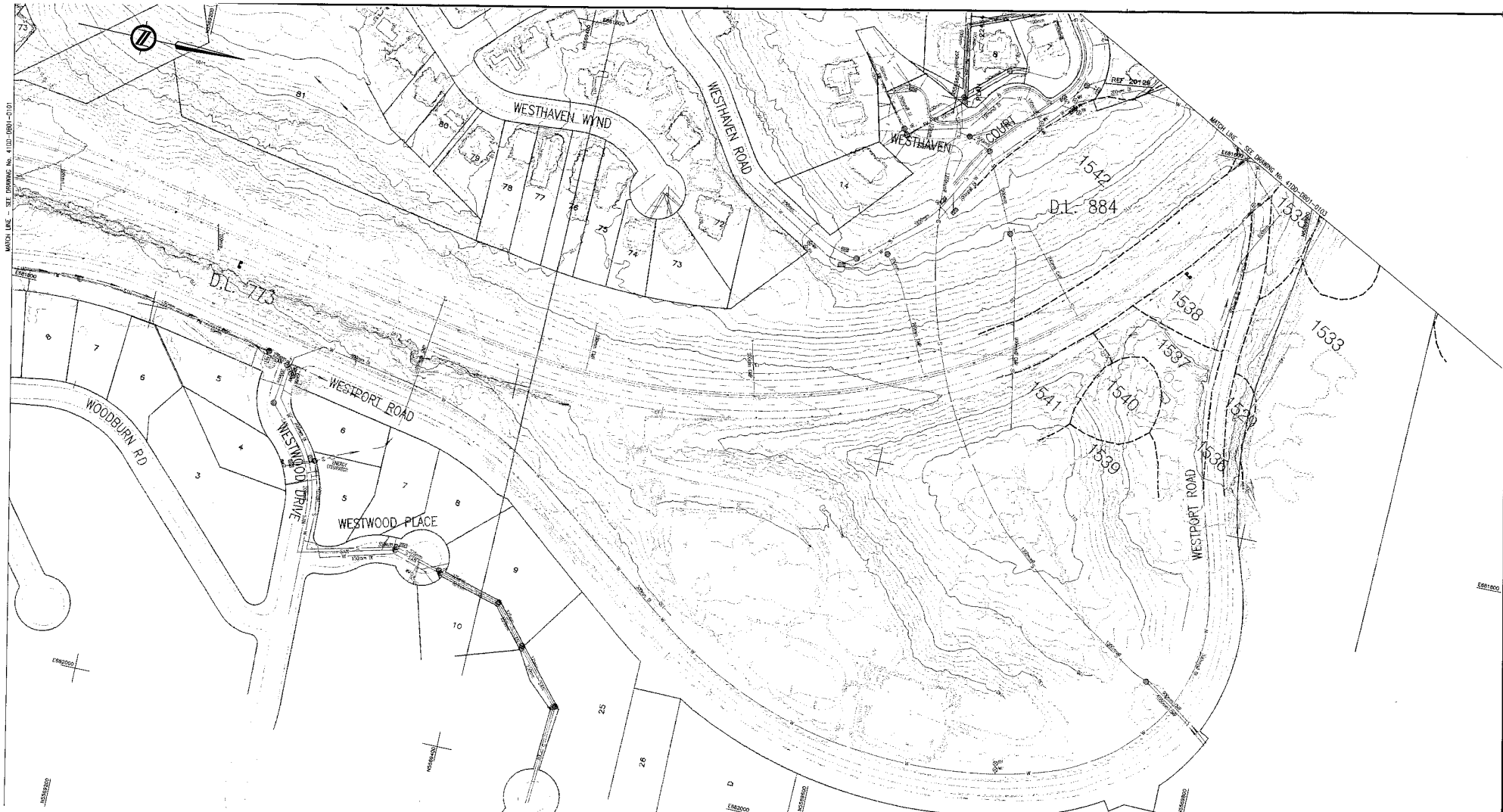
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04

FILE No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB01-0101



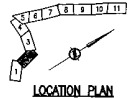
MATCH LINE - SEE DRAWING No. 41DD-DB01-010

MATCH LINE - SEE DRAWING No. 41DD-DB01-009

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NOTATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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SRS
S2S TRANSPORTATION GROUP

DESIGNED: J. HEDDER, DATE: JAN. 2004
 CHECKED: M. KOSLOVICH, DATE: JAN. 2004
 DRAWN: J. HEDDER, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

SCALE: 0 1:1000 50m

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB1 - HORSESHOE BAY TO SUNSET BEACH

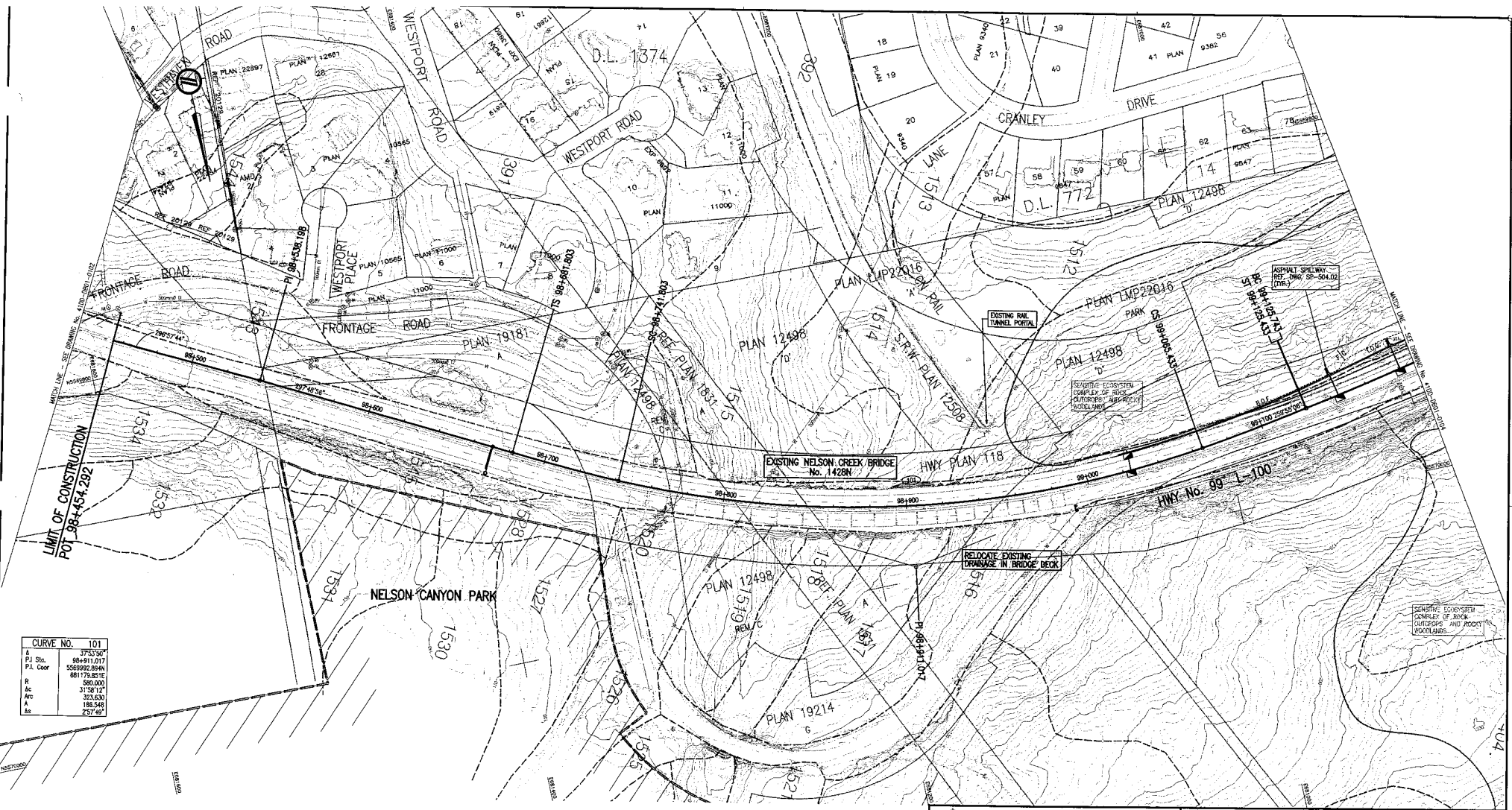
DWG. No.	Description	Rev	Date	Description	Signature
		PE	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD
REFERENCE DRAWINGS		REVISIONS			

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No.: 41DD-DB01-0102

FILE No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1

CANCEL PRINTS BEARING PREVIOUS LETTER

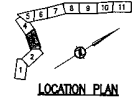


CURVE NO. 101	
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P3 Sta.	98+413.077
P.L. Coord.	5569992.864N 681179.851E
R	500.000
Δc	31°58'12"
Δrc	323.630
Δs	186.548
Δt	2°57'40"

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S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: S. BEHARD, DATE: JAN. 2004
 CHECKED: M. GONZALEZ, DATE: JAN. 2004
 DRAWN: J. MARTEL, DATE: JAN. 2004
 APPROVED: S. BEHARD, DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 98+454.292 TO STA. 99+188.9

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARD

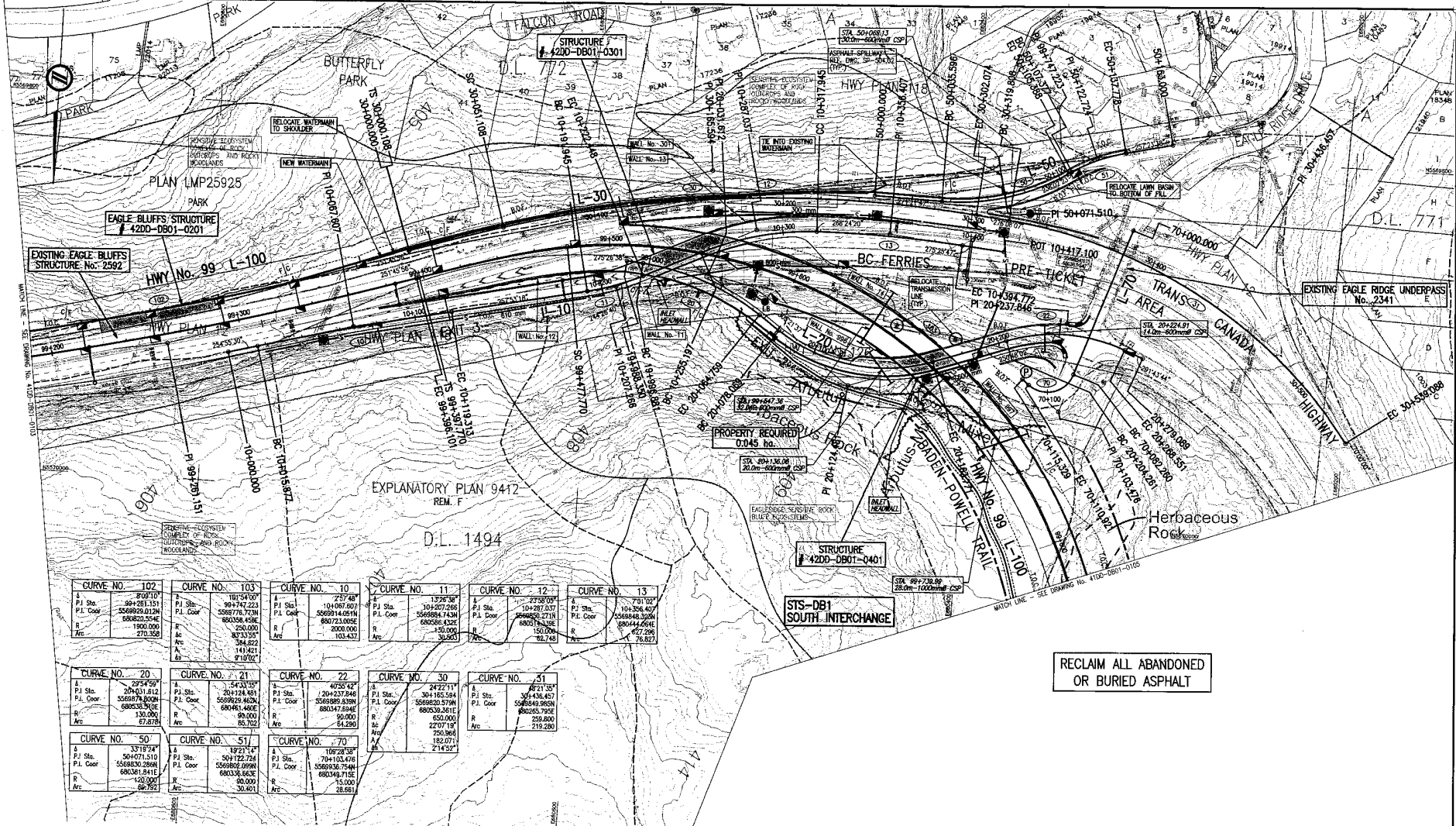
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No.: 41DD-DB01-0103

FILE No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1

REFERENCE DRAWINGS REVISIONS



EXPLANATORY PLAN 9412
REM. F

D.L. 1494

<p>CURVE NO. 102</p> <p>A P.I. Sta. 8901.10 P.L. Sta. 89+203.101 P.L. Coord. 556892.012N R. 680820.354E A. 190.000 R. 270.358</p>	<p>CURVE NO. 103</p> <p>A P.I. Sta. 10154.009 P.L. Sta. 99+742.223 P.L. Coord. 558776.723N R. 660336.458E A. 250.000 R. 83335.5 A. 344.822 A. 141.921 A. 9107.02</p>	<p>CURVE NO. 10</p> <p>A P.I. Sta. 237.48 P.L. Sta. 104067.607 P.L. Coord. 559091.405N R. 660586.432E A. 2000.000 R. 130.000 A. 30.653</p>	<p>CURVE NO. 11</p> <p>A P.I. Sta. 10+207.266 P.L. Coord. 556989.743N R. 660586.432E A. 2000.000 R. 130.000 A. 30.653</p>	<p>CURVE NO. 12</p> <p>A P.I. Sta. 2238.00 P.L. Sta. 10+207.037 P.L. Coord. 559492.271N R. 660517.458E A. 150.000 R. 76.748</p>	<p>CURVE NO. 13</p> <p>A P.I. Sta. 731.02 P.L. Sta. 10+326.407 P.L. Coord. 558848.329N R. 660444.661E A. 227.296 R. 76.62</p>
<p>CURVE NO. 20</p> <p>A P.I. Sta. 2954.59 P.L. Sta. 20+421.012 P.L. Coord. 556897.800N R. 680336.390E A. 130.000 R. 67.878</p>	<p>CURVE NO. 21</p> <p>A P.I. Sta. 5433.35 P.L. Sta. 20+124.481 P.L. Coord. 559029.402N R. 660461.462E A. 90.000 R. 85.702</p>	<p>CURVE NO. 22</p> <p>A P.I. Sta. 4050.42 P.L. Sta. 20+237.846 P.L. Coord. 559089.939N R. 660347.894E A. 90.000 R. 43.290</p>	<p>CURVE NO. 30</p> <p>A P.I. Sta. 2422.11 P.L. Sta. 30+165.594 P.L. Coord. 559620.579N R. 660530.261E A. 650.000 R. 2207.127 A. 250.368 A. 182.071 A. 2445.21</p>	<p>CURVE NO. 31</p> <p>A P.I. Sta. 4731.35 P.L. Sta. 30+436.457 P.L. Coord. 558849.926N R. 660265.792E A. 228.800 R. 215.280</p>	
<p>CURVE NO. 50</p> <p>A P.I. Sta. 3319.24 P.L. Sta. 50+071.510 P.L. Coord. 5581820.588N R. 660381.841E A. 120.000 R. 66.750</p>	<p>CURVE NO. 51</p> <p>A P.I. Sta. 14271.4 P.L. Sta. 50+122.724 P.L. Coord. 558082.099N R. 660336.663E A. 90.000 R. 30.401</p>	<p>CURVE NO. 70</p> <p>A P.I. Sta. 10972.58 P.L. Sta. 70+103.476 P.L. Coord. 5586936.754N R. 660349.715E A. 15.000 R. 28.68</p>			

RECLAIM ALL ABANDONED
OR BURIED ASPHALT

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DWG. No.	Description	Rev	Date	Description	Signature
		16	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50m

DESIGNED: J. BEARD, DATE: JAN. 2004
 CHECKED: M. MCDONALD, DATE: JAN. 2004
 DRAWN: J. HUNTER, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

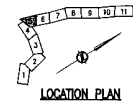
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 99+188.9 TO STA. 99+821.4

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanny
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING NO.: 41DD-DB01-0104

PRODUCT No.: 09901-STIS
 REGION: 1
 FILE No.: 2111-40003-0



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DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

SRS
S2S TRANSPORTATION GROUP

DESIGNED: R. BEARD, DATE: JUN. 2004
 CHECKED: J. KRZYSZAK, DATE: JUN. 2004
 DRAWN: A. HEDLEY, DATE: JUN. 2004
 APPROVED: S. HORBS, DATE: JUN. 2004

SCALE: 0 1:1000 50m

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

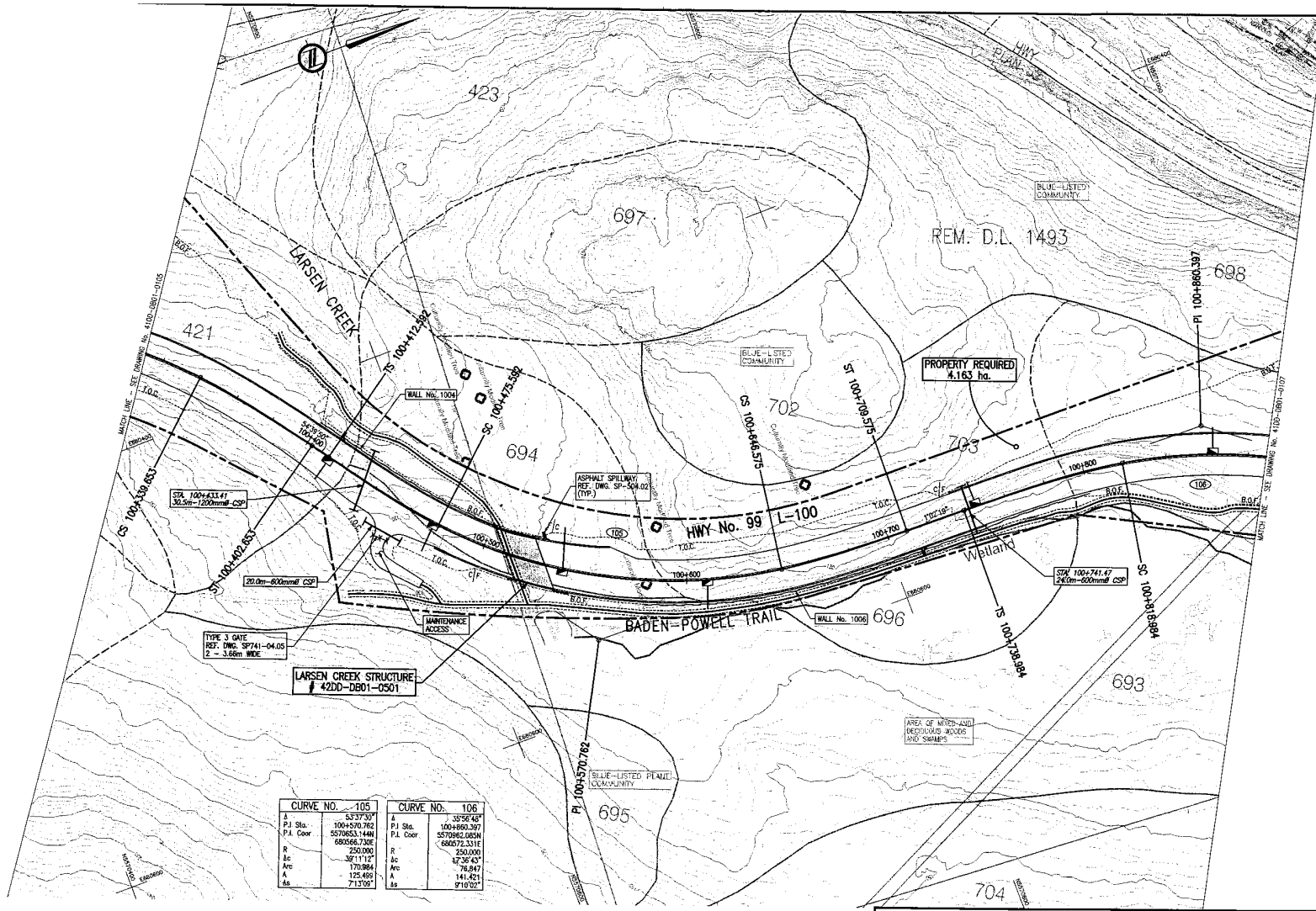
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 99+821.4 TO STA. 100+310.7

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannay
 PREPARED UNDER THE DIRECTION OF: S. HORBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 PROJECT No.: 2111-40003-0
 RECORD: 09901-ST53
 DRAWING No.: 1 41DD-DB01-0105 | PB

REFERENCE DRAWINGS

REVISIONS

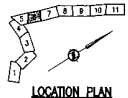


CURVE NO. 105		CURVE NO. 106	
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P.I. Sta.	100+570.782	P.I. Sta.	100+860.397
P.L. Oper.	5070653.144H	P.L. Oper.	5070965.005H
	680566.730E		680672.331E
R	250.000	R	250.000
Δc	32°11'12"	Δc	42°36'43"
Arc	170.884	Arc	78.847
A	125.661	A	141.821
Δs	713.09°	Δs	971°02'

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S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50m

DESIGNED: ALBERTSON, DATE: JUN. 2004
 CHECKED: MCGONIGLE, DATE: JUN. 2004
 DRAWN: MATHIAS, DATE: JUN. 2004
 APPROVED: S. HOBBS, DATE: JUN. 2004

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

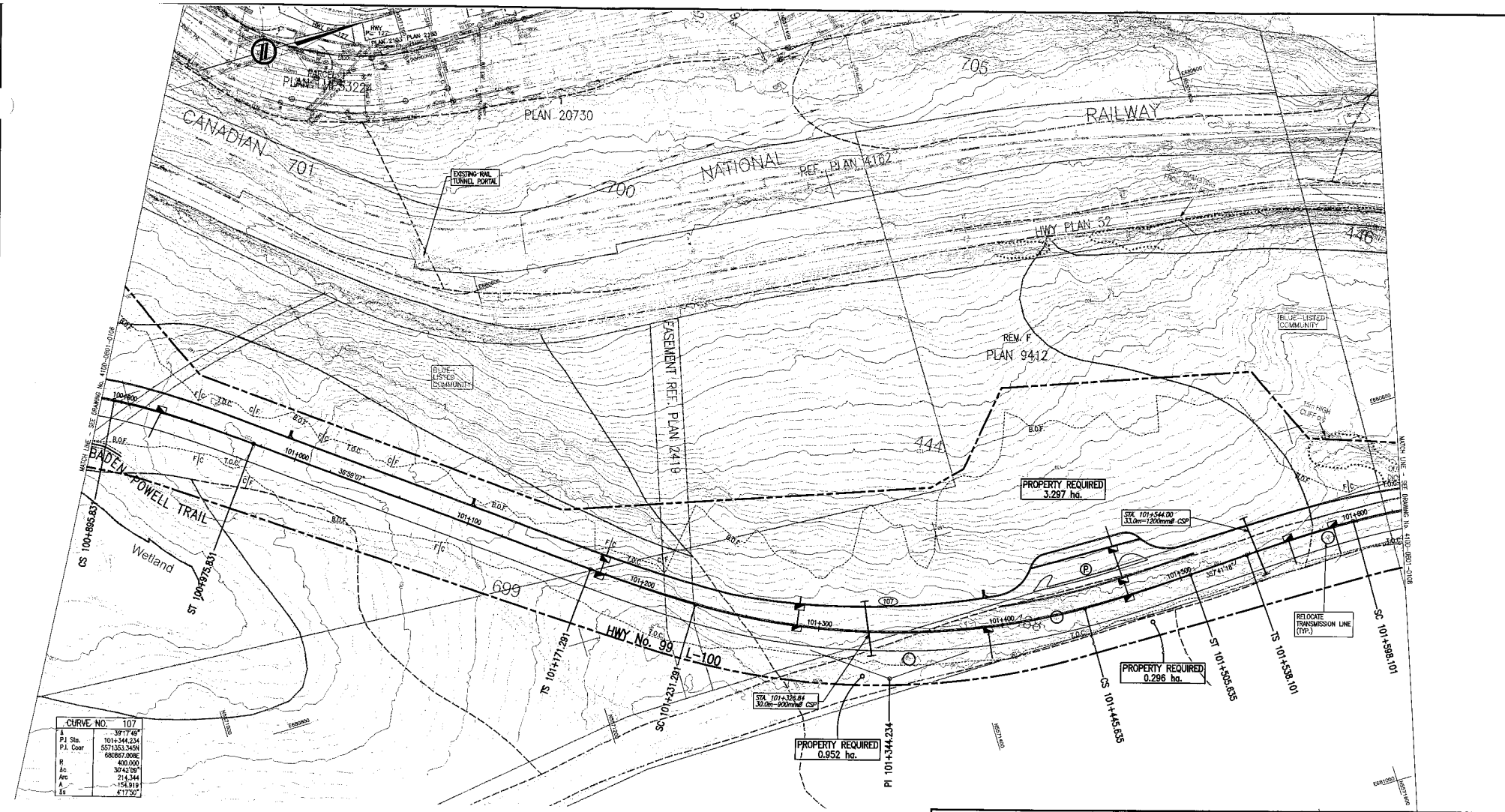
DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 100+310.7 TO STA. 100+888.7

DWG. No.	Description	Rev	Date	Description	Signature
		PS	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. REDARD

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **McElhannay**

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04

FILE NO.: 2111-40003-0
 PROJECT NO.: 09901-ST33
 REGION: 1
 DRAWING NO.: 41DD-DB01-0106 [PB]



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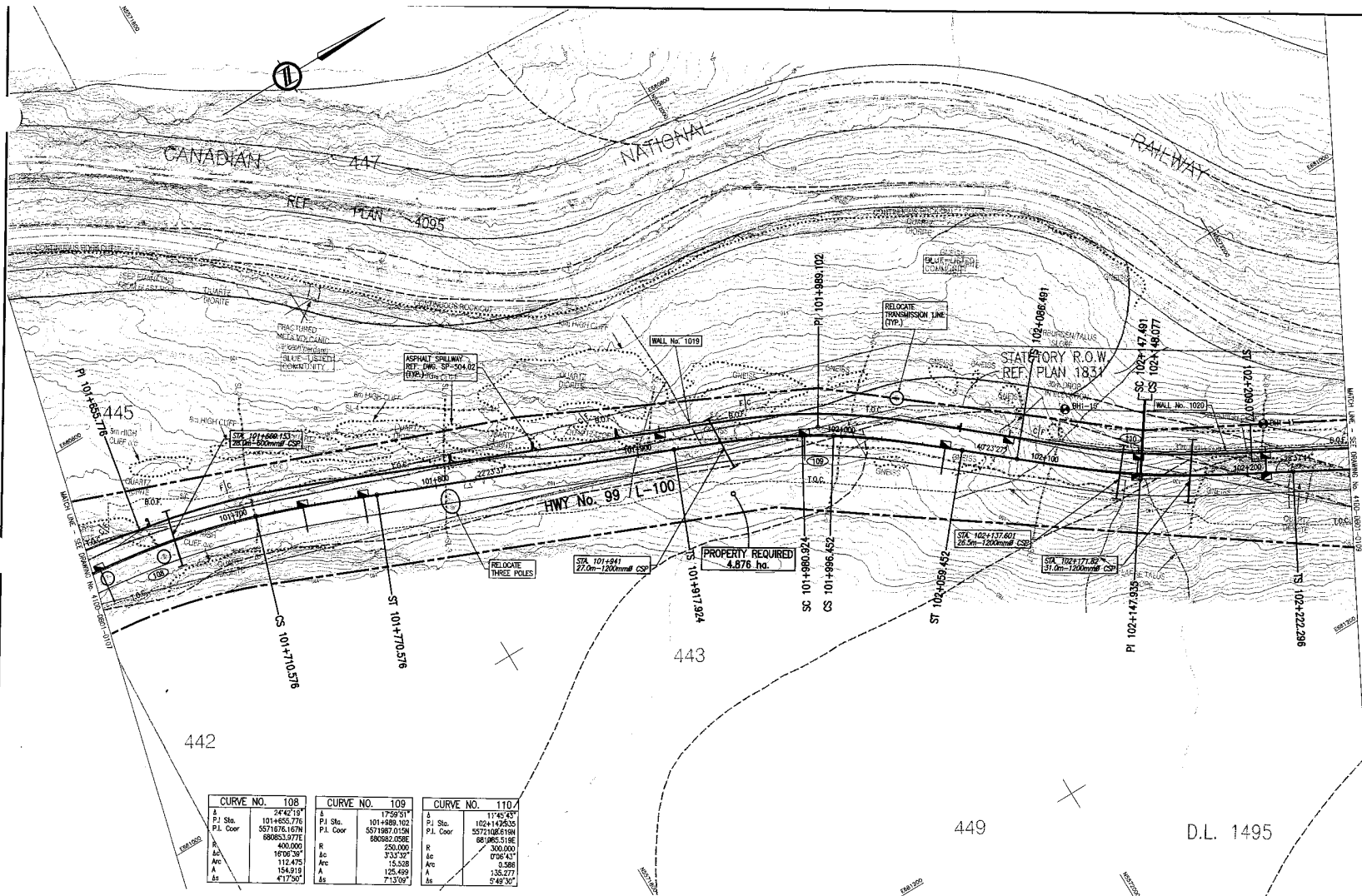
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S2S TRANSPORTATION GROUP
 SCALE 0 1 : 1000 50m
 DESIGNED: S. HOBBS DATE: JUN 2004
 CHECKED: M. HODGSON DATE: JUN 2004
 DRAWN: J. LINDEN DATE: JUN 2004
 APPROVED: S. HOBBS DATE: JUN 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 100+888.7 TO STA. 101+627.9

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD
REFERENCE DRAWINGS		REVISIONS			

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 FILE No. 2111-40003-0 PROJECT No. 09901-S2S3 REGION 1 DRAWING No. 41DD-DB01-0107

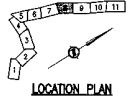


CURVE NO.	108	CURVE NO.	109	CURVE NO.	110
Δ Sta.	2442.19	Δ Sta.	1759.51	Δ Sta.	1145.03
P.I. Sta.	101+455.776	P.I. Sta.	101+989.102	P.I. Sta.	102+1476.35
P.L. Coord.	5571876.167N	P.L. Coord.	5571887.015N	P.L. Coord.	5572108.819N
	680883.977E		680882.058E		680965.518E
R	400.000	R	250.000	R	300.000
Δc	1670.36°	Δc	333.37°	Δc	0765.41°
Arc	112.475	Arc	15.528	Arc	0.586
A	154.919	A	125.459	A	135.277
Δs	471.750	Δs	7.1306	Δs	5.96732

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETIREMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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S2S TRANSPORTATION GROUP

DESIGNED: S. HOBBS, DATE: JAN. 2004
 CHECKED: M. DUCHESNE, DATE: JAN. 2004
 DRAWN: J. HOBBS, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

SCALE: 0 1 : 1000 50m

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 101+627.9 TO STA. 102+249.8

DWG. No.	Description	Rev.	Date	Description	Signature
		16	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD

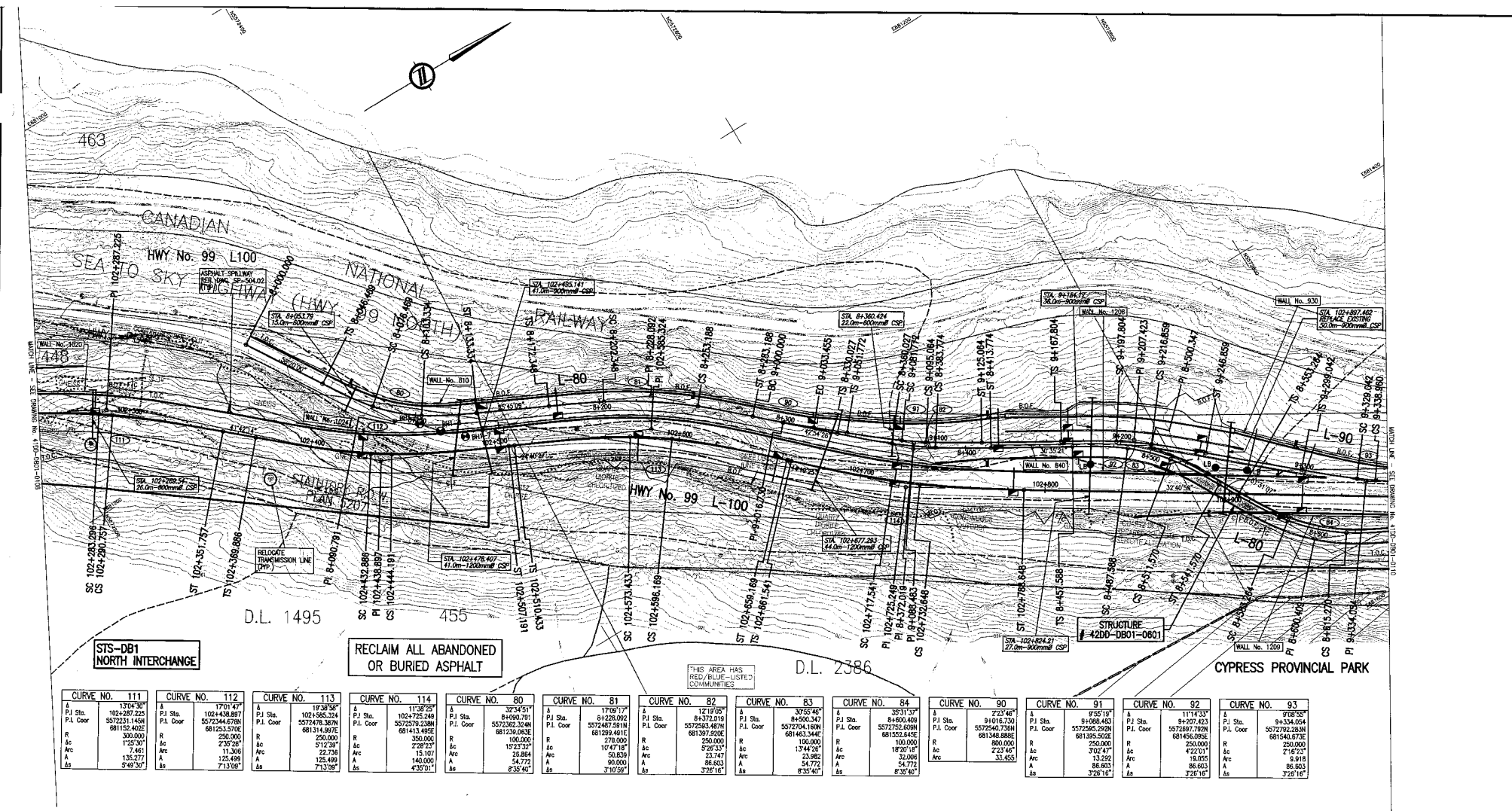
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhannay**

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER: DATE: 10 DEC 04
 FILE No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB01-0108

REFERENCE DRAWINGS

REVISIONS



CURVE NO.	111	112	113	114	80	81	82	83	84	90	91	92	93
P.I. Sta.	1374.307	1701.477	1938.597	1138.229	3234.517	1709.177	1219.055	3055.467	3531.377	223.467	935.137	1174.337	908.507
P.L. Sta.	557231.145A	557244.678A	557244.678A	557279.238A	557296.304A	557287.581A	557296.304A	557270.168A	557295.208A	557254.738A	557295.208A	557289.729A	557292.293A
P.L. Coord.	681152.402E	291.000	681314.897E	291.000	681238.083E	681289.481E	681397.920E	681463.344E	681552.642E	681348.888E	681195.202E	681458.082E	681540.673E
R	300.000	250.000	250.000	350.000	100.000	270.000	250.000	100.000	100.000	800.000	250.000	250.000	250.000
Arc	1.2530°	2.3528°	1.2530°	1.6133°	1.5213°	1.4771°	1.5213°	1.4771°	1.5213°	2.2341°	1.2530°	1.2530°	1.2530°
Arc	1.2530°	2.3528°	1.2530°	1.6133°	1.5213°	1.4771°	1.5213°	1.4771°	1.5213°	2.2341°	1.2530°	1.2530°	1.2530°
A	135.277	7.461	11.306	22.786	28.894	50.839	23.747	23.982	32.008	187.011	13.292	19.005	9.919
A	135.277	7.461	11.306	22.786	28.894	50.839	23.747	23.982	32.008	187.011	13.292	19.005	9.919
Δ	9°49'30"	71°309"	71°309"	4°35'01"	8°35'45"	3°10'59"	3°26'16"	8°35'45"	8°35'45"	33°455"	3°26'16"	3°26'16"	3°26'16"

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REVISIONS DURING THE FINAL DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED OR PRODUCED WITHOUT THE CONSENT OF McELHANNY ENGINEERING SERVICES LTD. McELHANNY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE REPRODUCTION OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

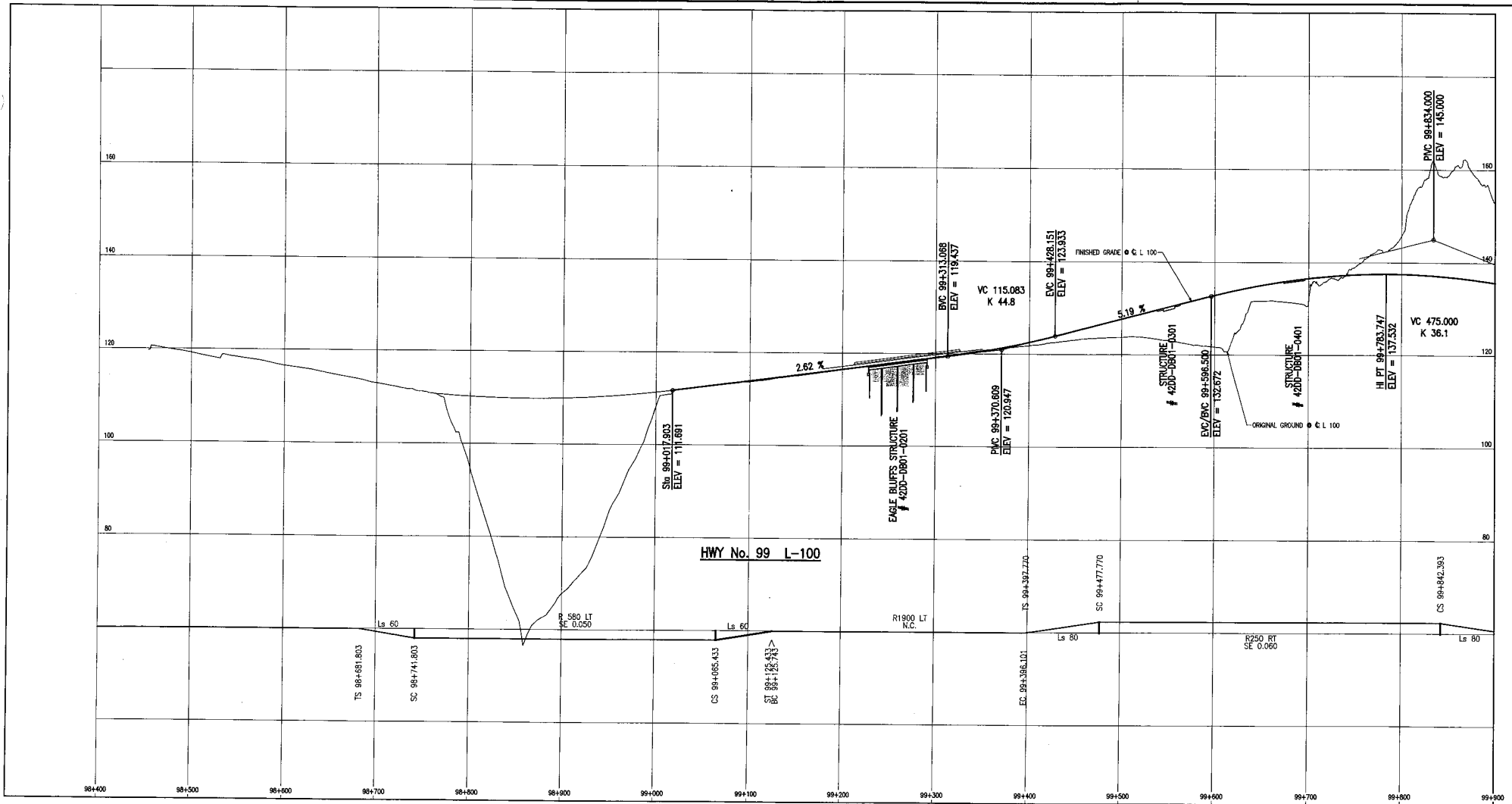
DESIGNED: J. BISHOP, DATE: JAN. 2004
CHECKED: J. McLEOD, DATE: JAN. 2004
DRAWN: J. McLEOD, DATE: JAN. 2004
APPROVED: J. McLEOD, DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DWG. No.	Description	Rev	Date	Description	Signature
		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	R. BEMARD

DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 102+249.8 TO STA. 102+985.0

Project Managers: Hatch Mott MacDonald
Design Consultant: McElhanny
PREPARED UNDER THE DIRECTION OF: S. HOBBS
SENIOR DESIGN ENGINEER
DATE: 10 DEC 04
DRAWING NO.: 41DD-DB01-0109 PB



POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h

SZS TRANSPORTATION GROUP
 100m CHECKED: [] DATE: JAN 2004
 10m DRAWN: [] DATE: JAN 2004
 APPROVED: [] DATE: JAN 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
L-100
DB1 - HORSESHOE BAY TO SUNSET BEACH

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE "TAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED OR PROVIDED WITHOUT THE CONSENT OF McELHANNNEY ENGINEERING SERVICES LTD. McELHANNNEY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

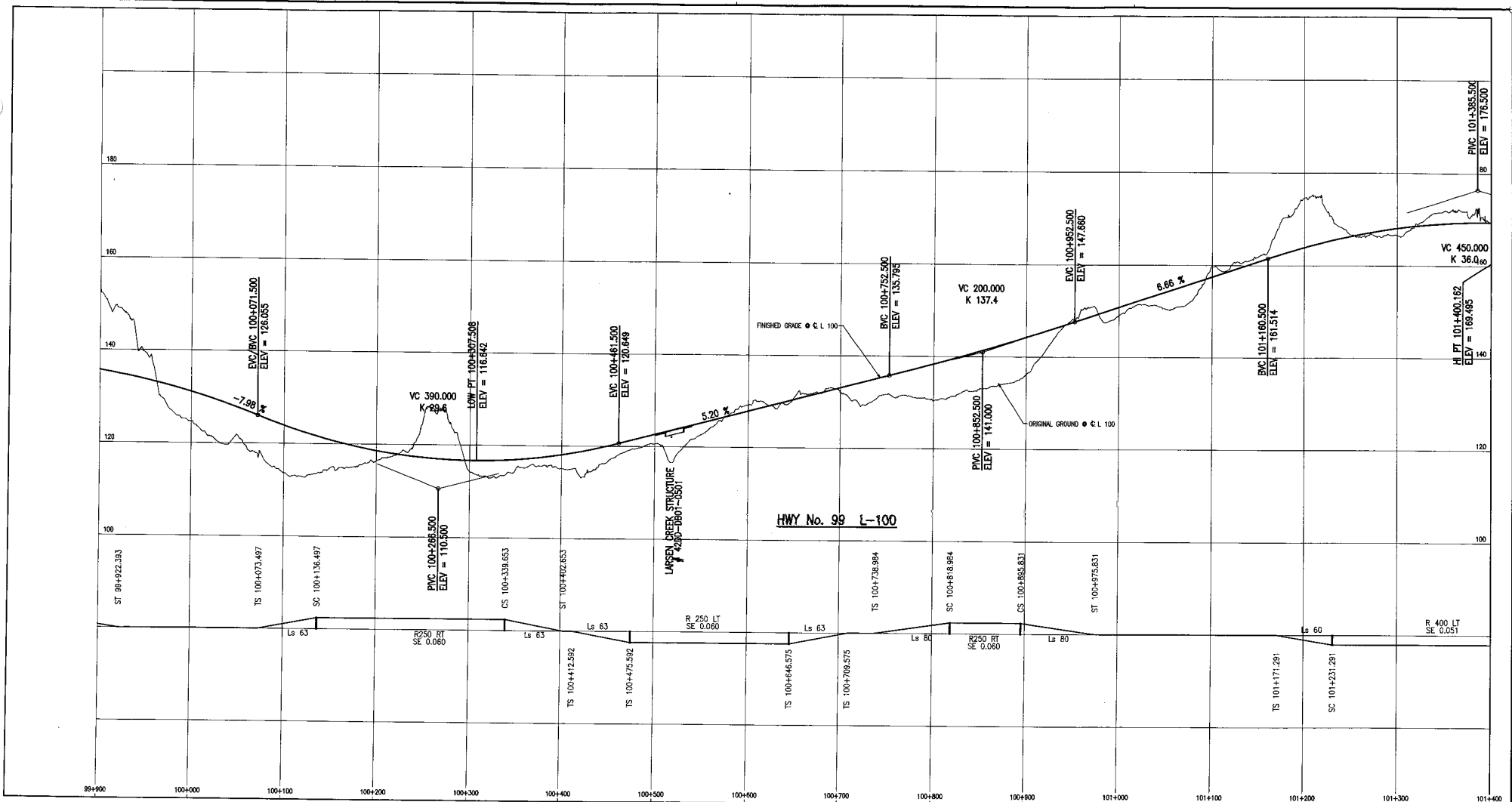
DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	A. BEARD

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhannney**
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No.: 411DD-DB01-0201

REFERENCE DRAWINGS

REVISIONS

FILE No.: 2111-40003-0 PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 411DD-DB01-0201



POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REVISION DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEADW

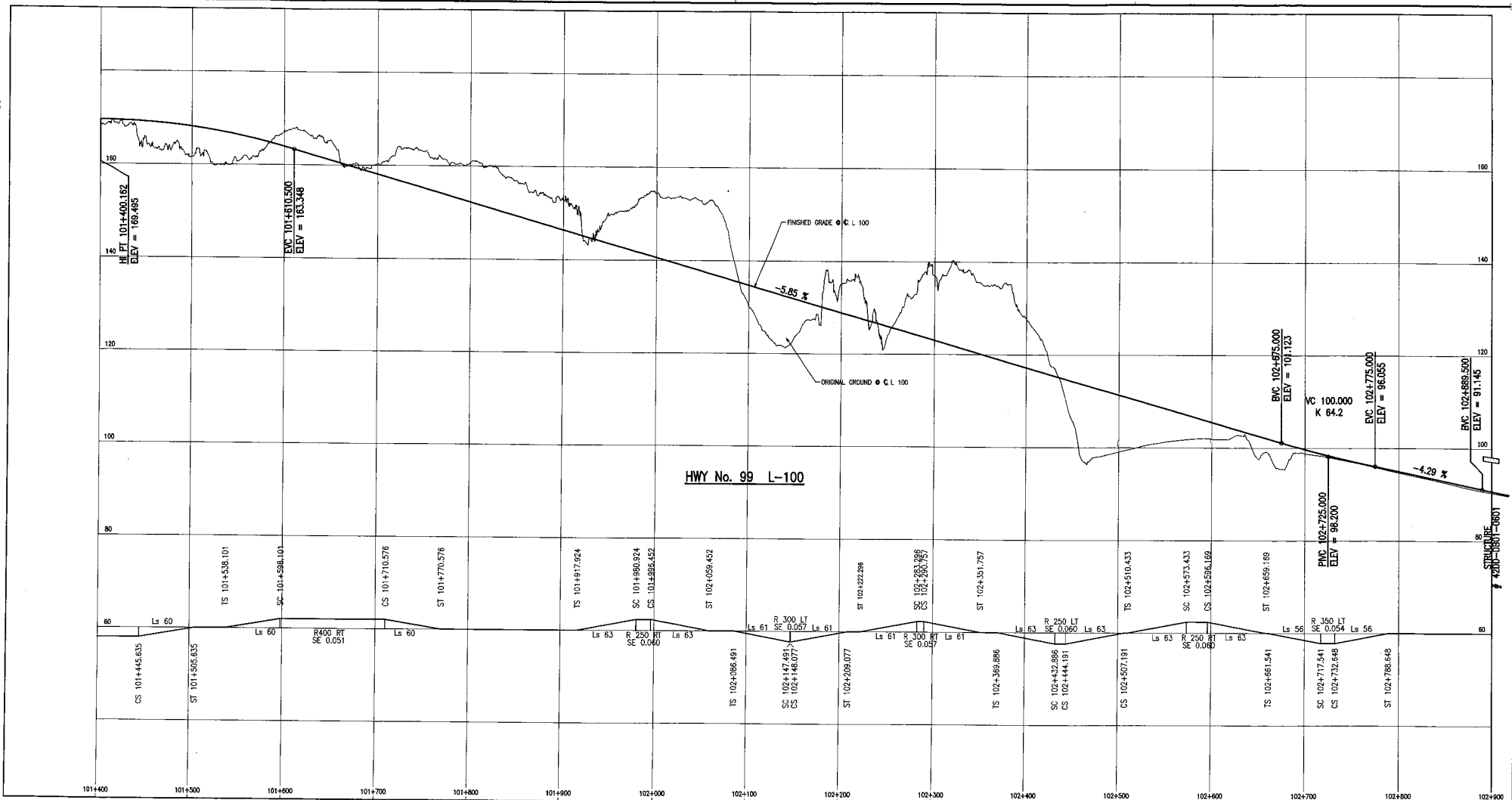
REFERENCE DRAWINGS

REVISIONS

SRS TRANSPORTATION GROUP
 SCALE: HORIZ. 1 : 2000 100m
 VERT. 1 : 400 10m
 DESIGNED: J. HOBBS, DATE: JAN. 2004
 CHECKED: J. MCDONALD, DATE: JAN. 2004
 DRAWN: J. HOBBS, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PROFILE L-100
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER: TO DEC 04
 DATE: 10 DEC 04
 DRAWING NO.: 41DD-DB01-0202
 FILE NO.: 2111-40003-0
 PROJECT NO.: 09901-ST33
 REVISION: 1



POSTED SPEED 80 km/h
DESIGN SPEED 80 km/h

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETINEMENT DURING THE RETAINED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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SRS TRANSPORTATION GROUP

DESIGNED BY: [REDACTED] DATE: JAN 2024
CHECKED BY: [REDACTED] DATE: JAN 2024
DRAWN BY: [REDACTED] DATE: JAN 2024
APPROVED BY: [REDACTED] DATE: JAN 2024

SCALE: HORIZ. 1:1 2000 100M
VERT. 1:1 400 10M

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
L-100
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
Design Consultant: McElhannay

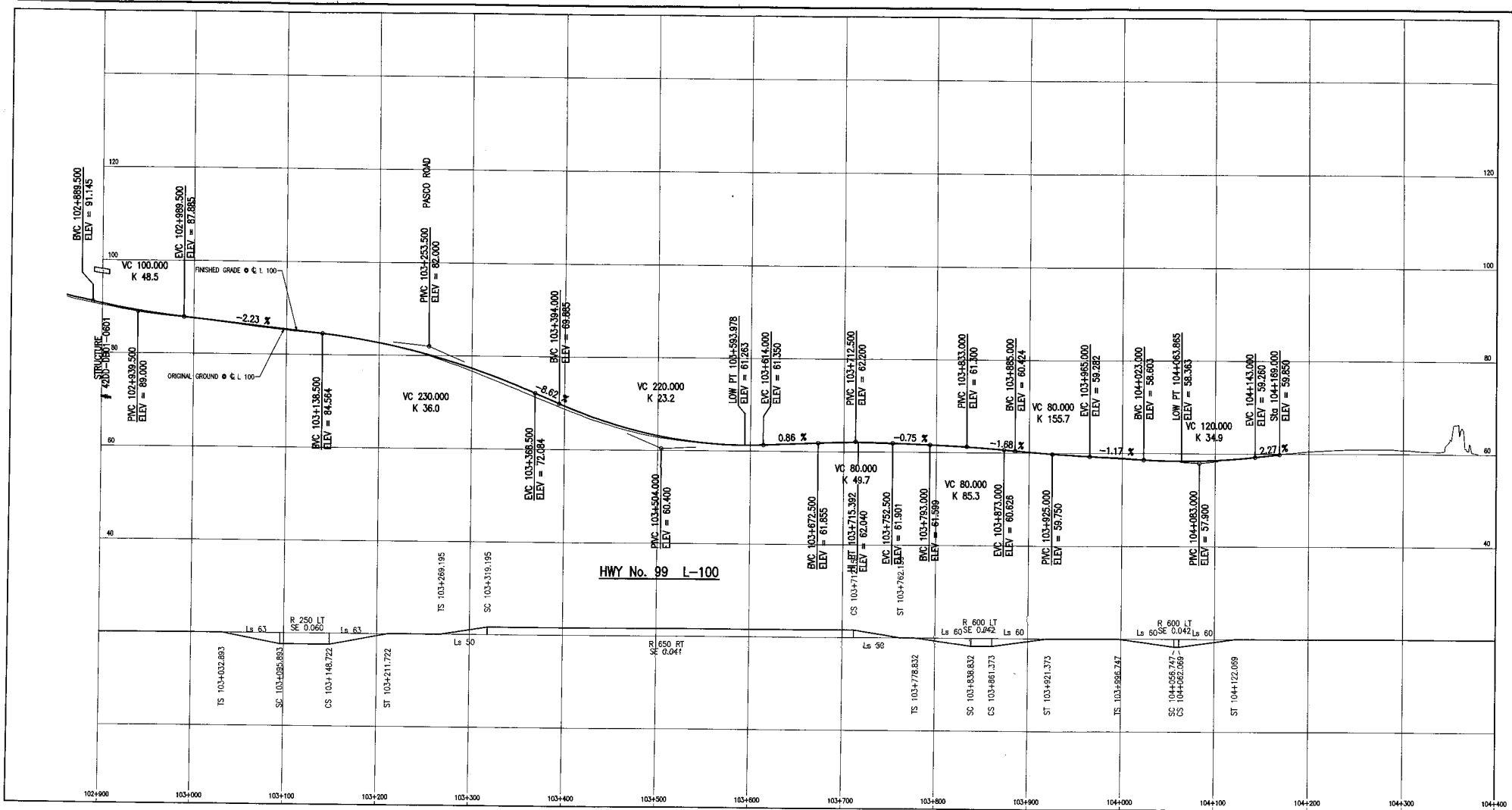
PREPARED UNDER THE DIRECTION OF: S. HOBBS
SENIOR DESIGN ENGINEER
DATE: 10 DEC 04
DRAWING NO.

FILE NO: 2111-40003-0 PROJECT NO: 09901-ST53 REGION: 1

DWG. No.	Description	Rev	Date	Description	Signature
		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	R. BEADW

REFERENCE DRAWINGS

REVISIONS



POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h

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S2S TRANSPORTATION GROUP
 SCALE: HORIZ. 1 : 2000 100m
 VERT. 1 : 400 10m
 DESIGNED: S. HEWITT DATE: JAN. 2005
 CHECKED: M. STODOLKA DATE: JAN. 2005
 DRAWN: J. HEWITT DATE: JAN. 2005
 APPROVED: S. HEWITT DATE: JAN. 2005

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PROFILE L-100
 DB1 - HORSESHOE BAY TO SUNSET BEACH

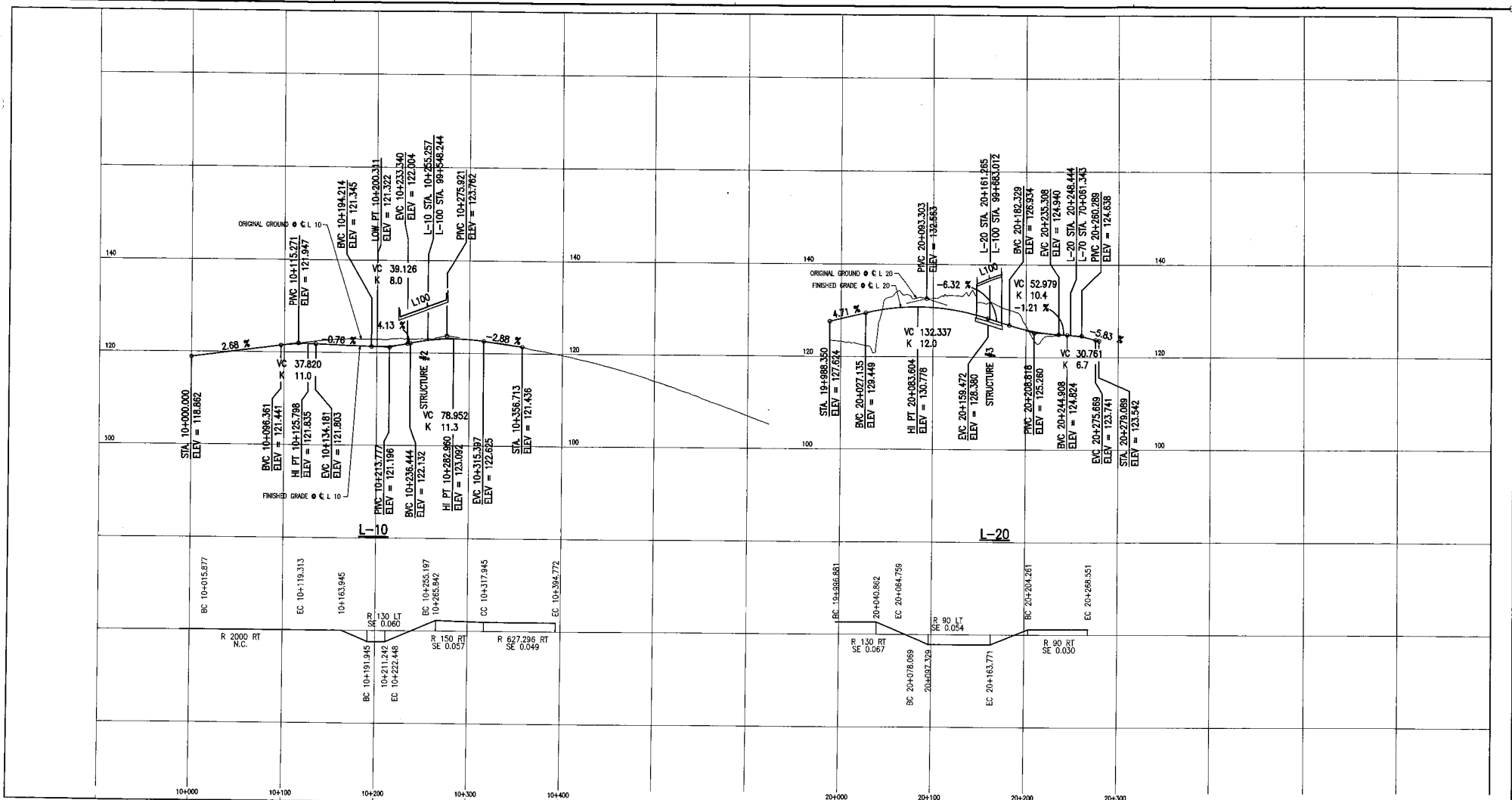
DRG. No.	Description	Rev	Date	Description	Signature
		FB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. HEWITT

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney
 PREPARED UNDER THE DIRECTION OF: S. HEBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No.: 41DD-DB01-0204

REFERENCE DRAWINGS

REVISIONS

12/02/2004 MHEW03/011



POSTED SPEED 50 km/h

DESIGN SPEED 50 km/h

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SRS TRANSPORTATION GROUP
 SCALE: 0 HORIZ. 1 : 2000 100m CHECKS
 0 VERT. 1 : 400 10m
 DESIGNED: S.HOBBS DATE: JAN 2005
 CHECKED: S.HOBBS DATE: JAN 2005
 DRAWN: A.HOBBS DATE: JAN 2004
 APPROVED: S.HOBBS DATE: JAN 2004

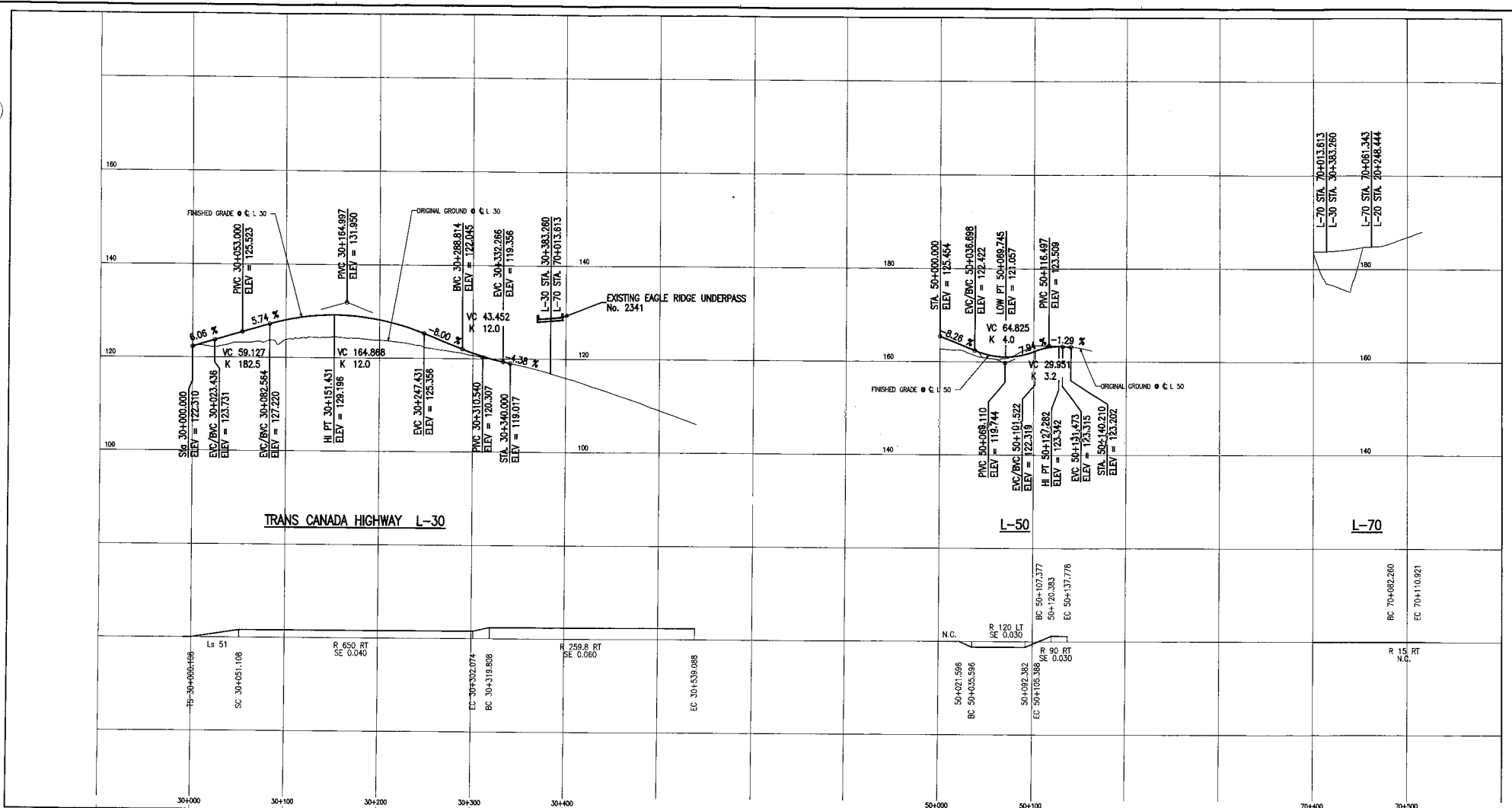
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L-10 & L-20
 DB1 - HORSESHOE BAY TO SUNSET BEACH

DWG. No.	Description	Rev	Date	Description	Signature
		P8	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEWARD

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 FILE No.: 2111-40003-0
 PROJECT No.: 09901-S3S3
 REGION: 1
 DRAWING No.: 41DD-DB01-0205/PB

REFERENCE DRAWINGS

REVISIONS



POSTED SPEED 50 km/h
 DESIGN SPEED 50 km/h

SRS TRANSPORTATION GROUP
 0 HORIZ. 1 : 2000
 0 VERT. 1 : 400
 100m OVERVIEW
 10m
 DRAWN: J.HUTCHESON DATE: JAN. 2004
 APPROVED: S.HOBBS DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L-30, L-50 & L-70
 DB1 - HORSESHOE BAY TO SUNSET BEACH

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

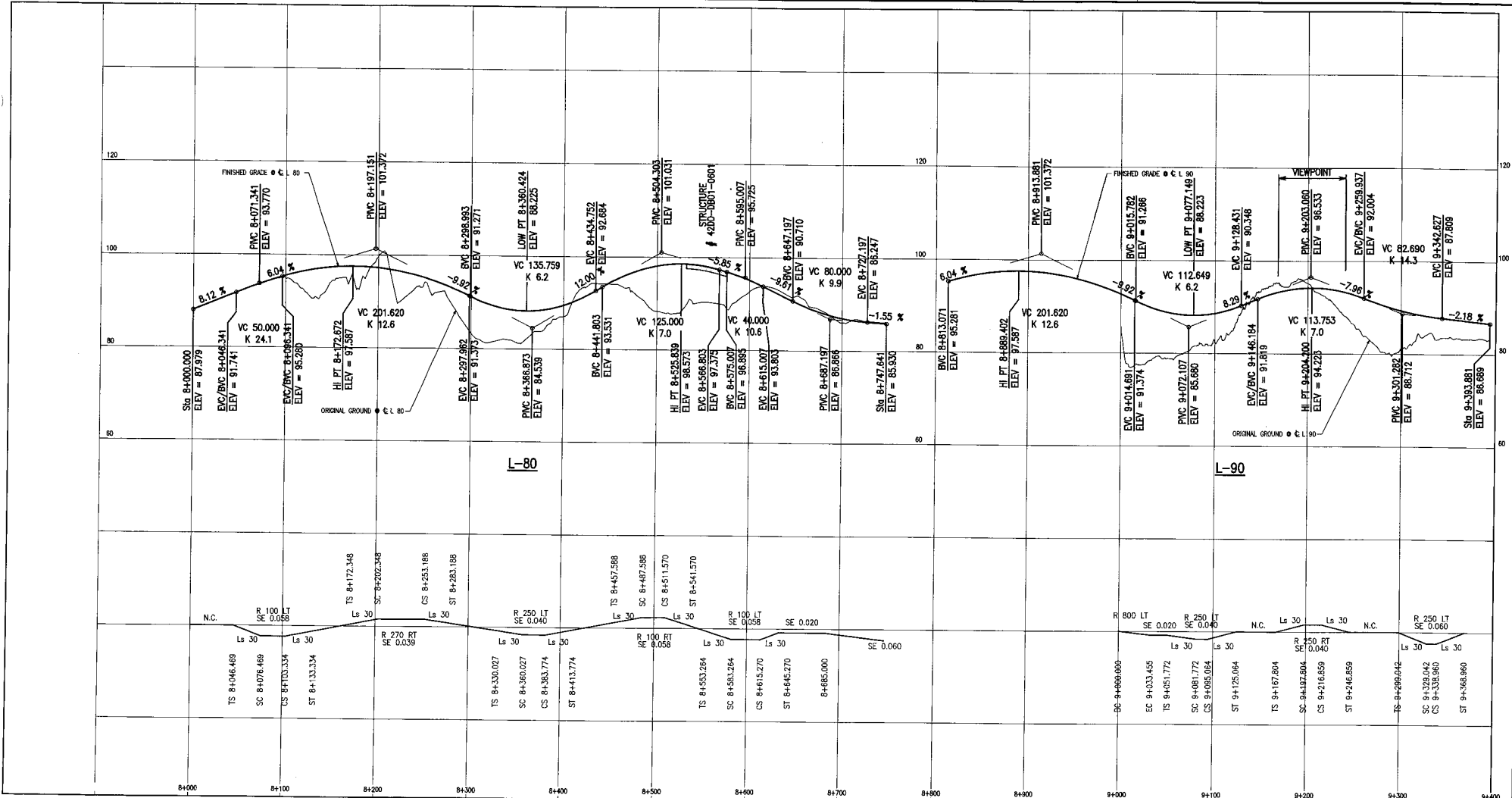
INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CORRECT THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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DWG. No.	Description	Rev.	Date	Description	Signature
		1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. REDWARD

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhannay**
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1
 41DD-DB01-0206 | PB

REFERENCE DRAWINGS REVISIONS



POSTED SPEED 50 km/h
 DESIGN SPEED 50 km/h

S2S TRANSPORTATION GROUP

DESIGNED: J. BEHREND, DATE: JAN. 2004
 CHECKED: M. KOTZCHER, DATE: JAN. 2004
 DRAWN: J. BEHREND, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

SCALE: HORIZ. 1 : 2000, VERT. 1 : 400

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L-80 & L-90
 DB1 - HORSESHOE BAY TO SUNSET BEACH

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REVISIONS DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

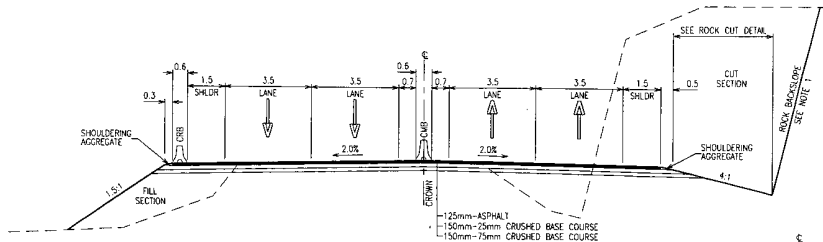
THIS DRAWING AND DESIGN SHALL NOT BE USED, REUSED OR PRODUCED WITHOUT THE CONSENT OF McELHANNAY ENGINEERING SERVICES LTD. McELHANNAY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

DWG. No.	Description	Rev	Date	Description	Signature
		1	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	R. BEHREND

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

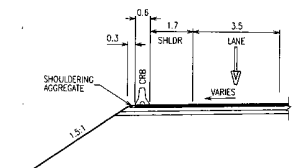
PREPARED UNDER THE DIRECTION OF S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 PROJECT No: 2111-40003-0
 REGION: 1
 DRAWING No: 41DD-DB01-0207 PB

REFERENCE DRAWINGS REVISIONS



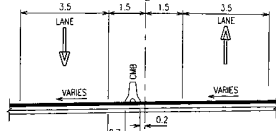
HIGHWAY 99 (L100)

SCALE 1:100



SHOULDER WIDENING ON CURVE

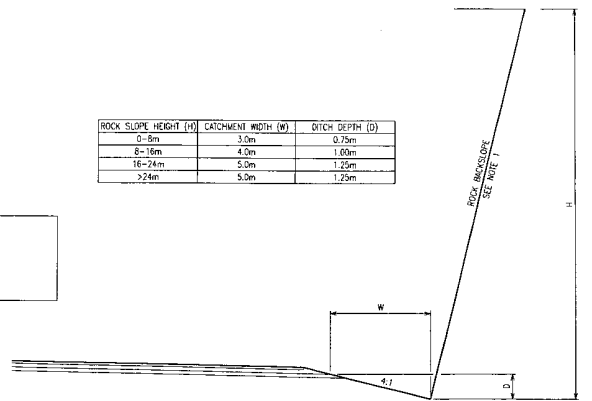
SCALE 1:100



MEDIAN WIDENING ON CURVE

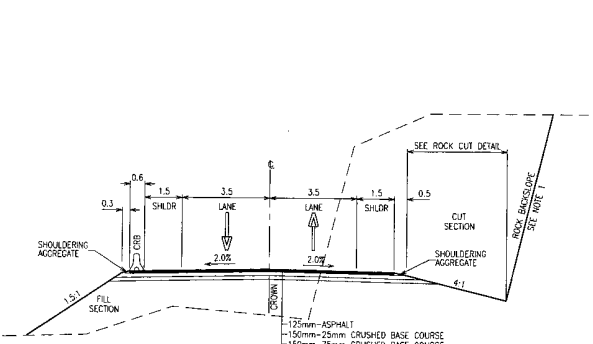
SCALE 1:100

ROCK SLOPE HEIGHT (H)	CATCHMENT WIDTH (W)	DITCH DEPTH (D)
0-8m	3.0m	0.75m
8-16m	4.0m	1.00m
16-24m	5.0m	1.25m
>24m	5.0m	1.25m



ROCK CUT DETAIL

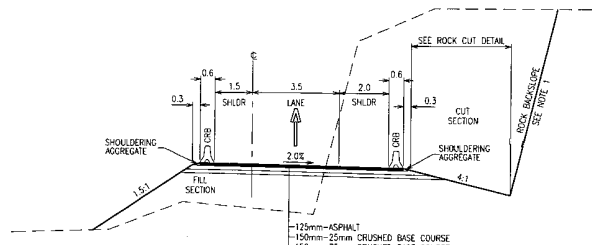
SCALE 1:100



L80 TWO-LANE SECTION

8+000 TO 8+283.188

SCALE 1:100

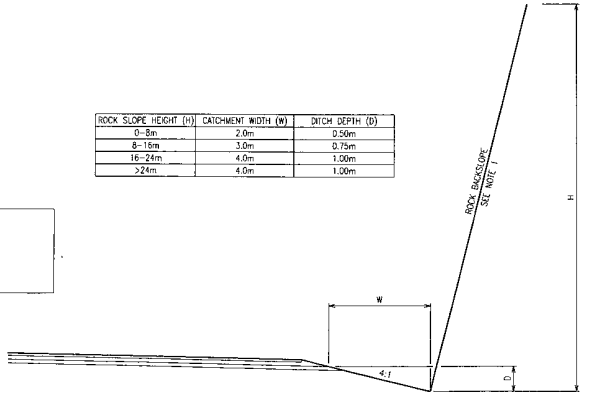


L80 SINGLE-LANE SECTION

8+283.188 TO 8+747.641

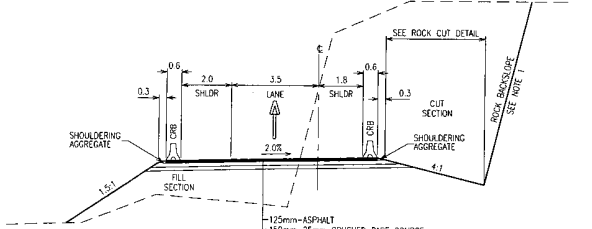
SCALE 1:100

ROCK SLOPE HEIGHT (H)	CATCHMENT WIDTH (W)	DITCH DEPTH (D)
0-8m	2.0m	0.50m
8-16m	3.0m	0.75m
16-24m	4.0m	1.00m
>24m	4.0m	1.00m



ROCK CUT DETAIL

SCALE 1:100



L90 SINGLE-LANE SECTION

9+000.000 TO 9+393.881

SCALE 1:100

NOTE:
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

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SR S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: J. BEARD DATE: JAN. 2004
 CHECKED: M. KODOLUHAN DATE: JAN. 2004
 DRAWN: A. HEAVEL DATE: JAN. 2004
 APPROVED: S. HOBBS DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS

DB1 - HORSESHOE BAY TO SUNSET BEACH

DWG. No.	Description	Rev	Date	Description	Signature
		PR	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD
REFERENCE DRAWINGS					
REVISIONS					

Project Manager: **Hatch Mott MacDonald**

Design Consultant: **McElhaney**

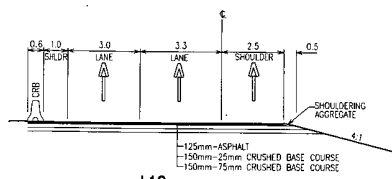
FILE No: 2111-40003-0

PROJECT No: 09901-ST53

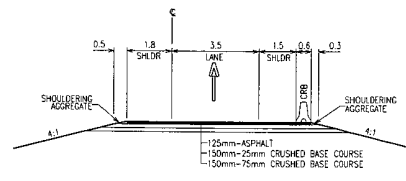
REVISION: 1

DATE: 10 DEC 04

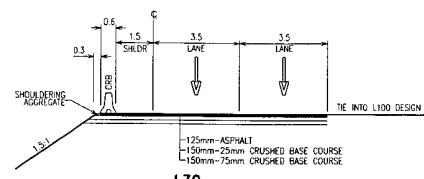
DRAWING No: 410D-0801-0301



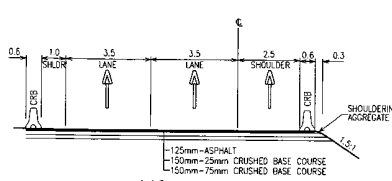
L10
10+000 TO 10+191.945
10+317 TO 10+623.074
SCALE 1:100



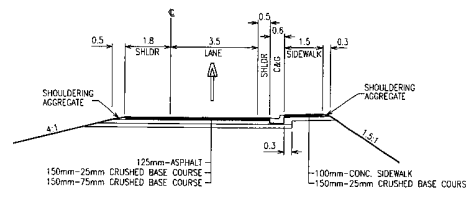
L20
19+998.350 TO 20+060
SCALE 1:100



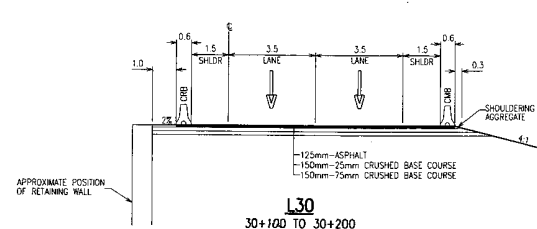
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30+000 TO 30+100
SCALE 1:100



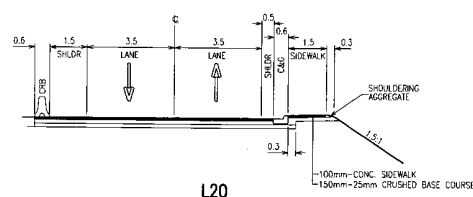
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SCALE 1:100



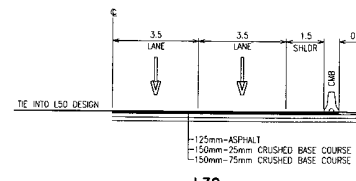
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SCALE 1:100



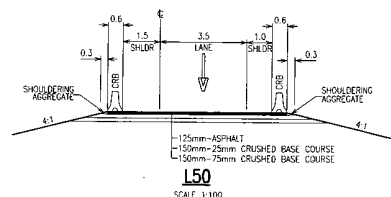
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30+100 TO 30+200
SCALE 1:100



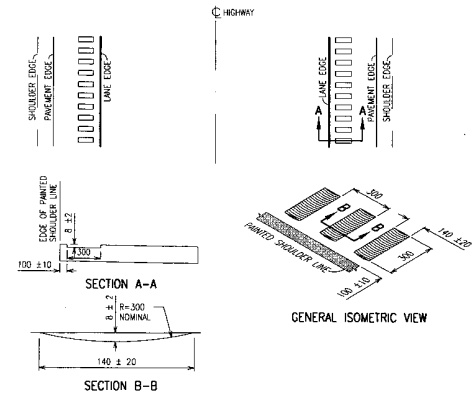
L20
20+120 TO 20+240
SCALE 1:100



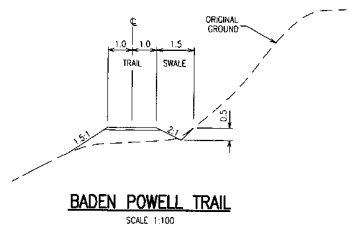
L30
30+200 TO 30+320
SCALE 1:100



L50
SCALE 1:100



NOTE: ALL MEASUREMENTS SHOWN IN MILLIMETRES
RUMBLE STRIP DETAIL



BADEN POWELL TRAIL
SCALE 1:100

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S2S TRANSPORTATION GROUP
SCALE AS SHOWN

DESIGNED	J. BEEDAR	DATE	JAN. 2024
CHECKED	M. KOZUCHAL	DATE	JAN. 2024
DRAWN	A. HEULEL	DATE	JAN. 2024
APPROVED	S. HOBBS	DATE	JUN. 2024

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
TYPICAL SECTIONS

DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **McElhannay**

PREPARED UNDER THE DIRECTION OF S. HOBBS
SENIOR DESIGN ENGINEER
DATE: 10 DEC 04
PROJECT No: 09901-ST53
REGION: 1
FILE No: 2111-40003-0
DRAWING No: 41DD-DB01-0302 [PB]

DWG. No	Description	Rev	Date	Description	Signature
		PR	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEEDAR
REFERENCE DRAWINGS					
REVISIONS					



LIMIT OF CONSTRUCTION
 FROM LANE 14282

CURVE NO. 101	
P	3753.50
P.I. Sta.	88+911.017
P.L. Coord.	5568952.884M
	681178.841E
R	580.000
Δc	31°58'12"
Δc	323.530
A	186.548
Δs	257.427

NELSON CANYON PARK

EXISTING NELSON CREEK BRIDGE
 No. 1428N

HWY No. 99 L-100

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20



SRS
 TRANSPORTATION GROUP

SCALE 0 1:1000 50m

RESPONSED SUBMITTED DATE JUN 2003
 CHECKED SUBMITTED DATE JUN 2004
 DRAWN AHEAD DATE JUN 2004
 APPROVED S.HOBBS DATE JUN 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 98+454.292 TO STA. 99+188.9

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DWG. No.	Description	Rev	Date	Description	Signature
		P8	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD

Project Managers: **Hatch Mott MacDonald**

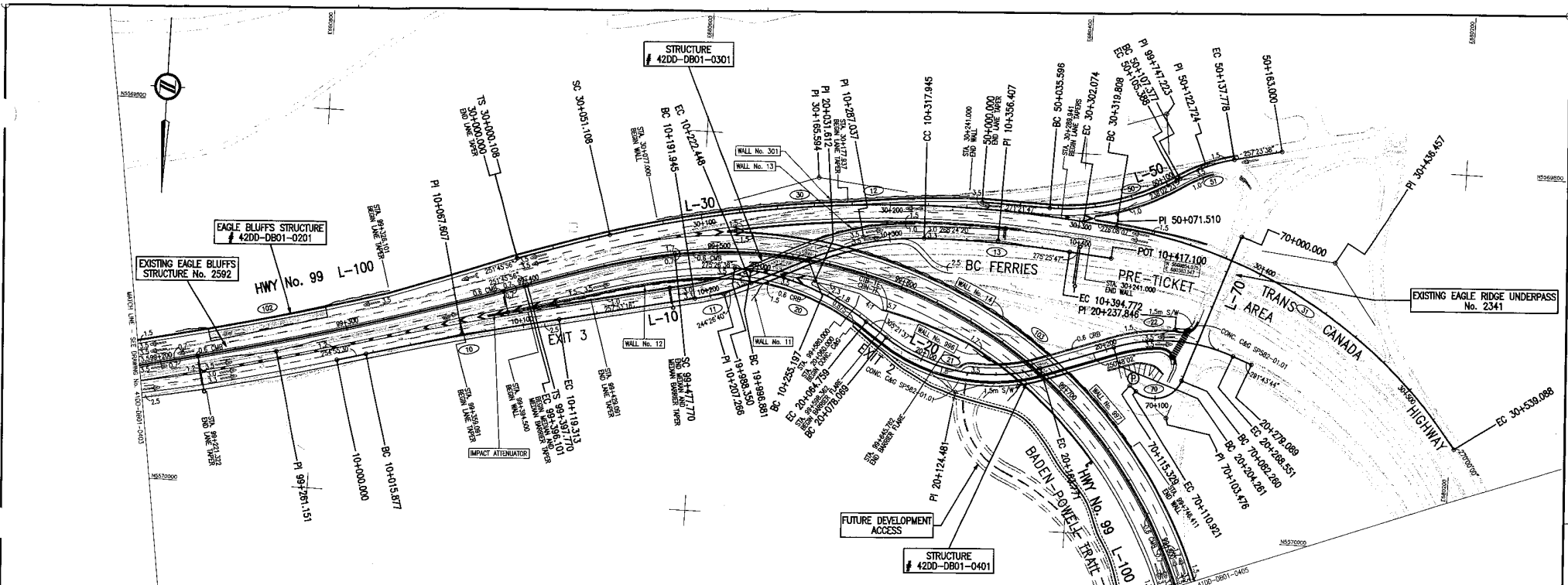
Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04

FILE No. 2111-40003-0 PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB01-0403 [PB]

REFERENCE DRAWINGS

REVISIONS



CURVE NO. 102 P.I. Sta. 6591.10 P.L. Sta. 99+281.151 P.C. Sta. 505929.0128 680820.554E R 190.000 Ac 270.328 A La	CURVE NO. 103 P.I. Sta. 10154.00 P.L. Sta. 99+747.223 P.C. Sta. 505978.7738 680358.456E R 250.000 Ac 373.757 A La	CURVE NO. 10 P.I. Sta. 257.48 P.L. Sta. 104567.607 P.C. Sta. 505991.0518 680723.005E R 2000.000 Ac 103.437	CURVE NO. 11 P.I. Sta. 1378.58 P.L. Sta. 10+207.256 P.C. Sta. 506084.7434 680684.435E R 130.000 Ac 30.503	CURVE NO. 12 P.I. Sta. 2358.00 P.L. Sta. 10+287.027 P.C. Sta. 506080.2718 680314.338E R 150.000 Ac 62.748	CURVE NO. 13 P.I. Sta. 701.00 P.L. Sta. 10+156.407 P.C. Sta. 506044.3238 680444.046E R 627.296 Ac 76.827		
CURVE NO. 20 P.I. Sta. 2954.59 P.L. Sta. 70+031.812 P.C. Sta. 505874.8008 680538.510E R 130.000 Ac 67.873	CURVE NO. 21 P.I. Sta. 5433.35 P.L. Sta. 20+124.481 P.C. Sta. 505899.4028 680461.480E R 90.000 Ac 85.702	CURVE NO. 22 P.I. Sta. 4059.42 P.L. Sta. 20+237.846 P.C. Sta. 505989.2598 680347.884E R 90.000 Ac 64.290	CURVE NO. 30 P.I. Sta. 7422.11 P.L. Sta. 30+165.594 P.C. Sta. 5059820.5758 680538.361E R 650.000 Ac 2707.91 A 230.946 La 182.071 214.52	CURVE NO. 31 P.I. Sta. 4873.33 P.L. Sta. 30+438.457 P.C. Sta. 5059849.9858 680055.795E R 258.800 Ac 219.280	CURVE NO. 50 P.I. Sta. 3319.24 P.L. Sta. 50+071.510 P.C. Sta. 505830.2888 680381.841E R 120.000 Ac 68.792	CURVE NO. 51 P.I. Sta. 1927.14 P.L. Sta. 50+252.744 P.C. Sta. 5058802.0998 680336.963E R 90.000 Ac 30.401	CURVE NO. 70 P.I. Sta. 10978.38 P.L. Sta. 70+193.478 P.C. Sta. 5059836.7548 680349.715E R 15.000 Ac 28.661

POSTED SPEED 80 km/h L-100	DESIGN SPEED 80 km/h L-100
50 km/h L-10	50 km/h L-10
50 km/h L-20	50 km/h L-20
60 km/h L-30	60 km/h L-30
50 km/h L-50	50 km/h L-50

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ALL MOVEMENTS WB20



Rev	Date	Description	Signature
1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. HEDGAY

SRS
 TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

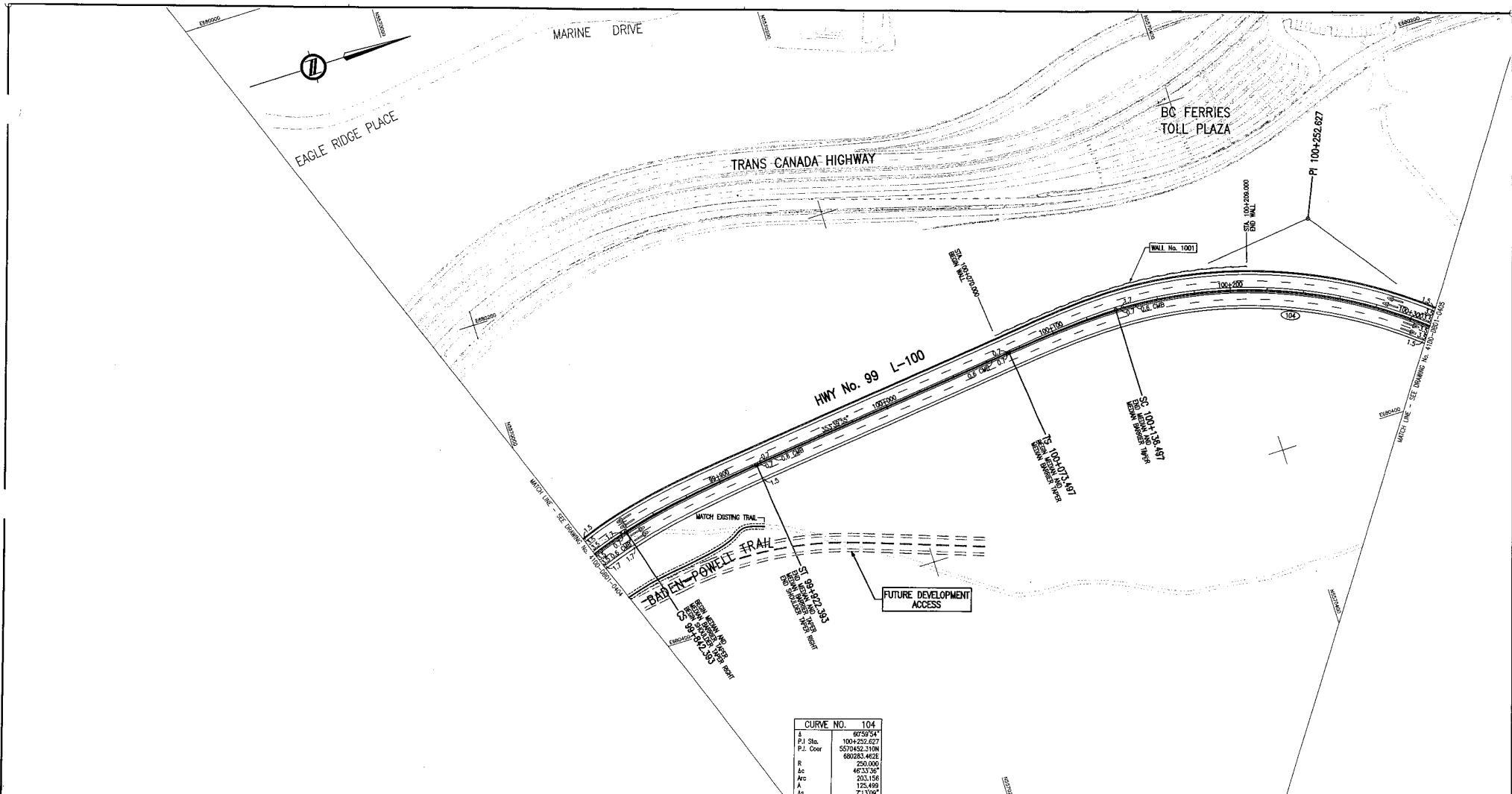
DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 99+188.9 TO STA. 99+821.4

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanny**

PREPARED UNDER THE DIRECTION OF S. HOEBIS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING NO.: 41DD-DB01-0404 PB

REFERENCE DRAWINGS REVISIONS

2111-40003-0 09901-ST3S 1 41DD-DB01-0404 PB



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POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20

CURVE NO. 104	
P.I. Sta.	8749.54*
P.L. Sta.	100+252.827
P.C. Sta.	5570452.310N
R	660283.462E
Δc	250.000
Δc	46°33'36"
Δc	203.156
Δc	126.469
Δc	713.06*



DWG. No.	Description	Rev.	Date	Description	Signature

SRS TRANSPORTATION GROUP

DESIGNED: J. BEGGS DATE: JAN 2004
 CHECKED: M. BOURQUELAIN DATE: JAN 2004
 DRAWN: A. MELVILLE DATE: JAN 2004
 APPROVED: S. HOBBS DATE: JAN 2004

SCALE: 0 1:1000 50m

PROJECT No. 2111-40003-0
 PROJECT No. 09901-ST33
 REGION 1

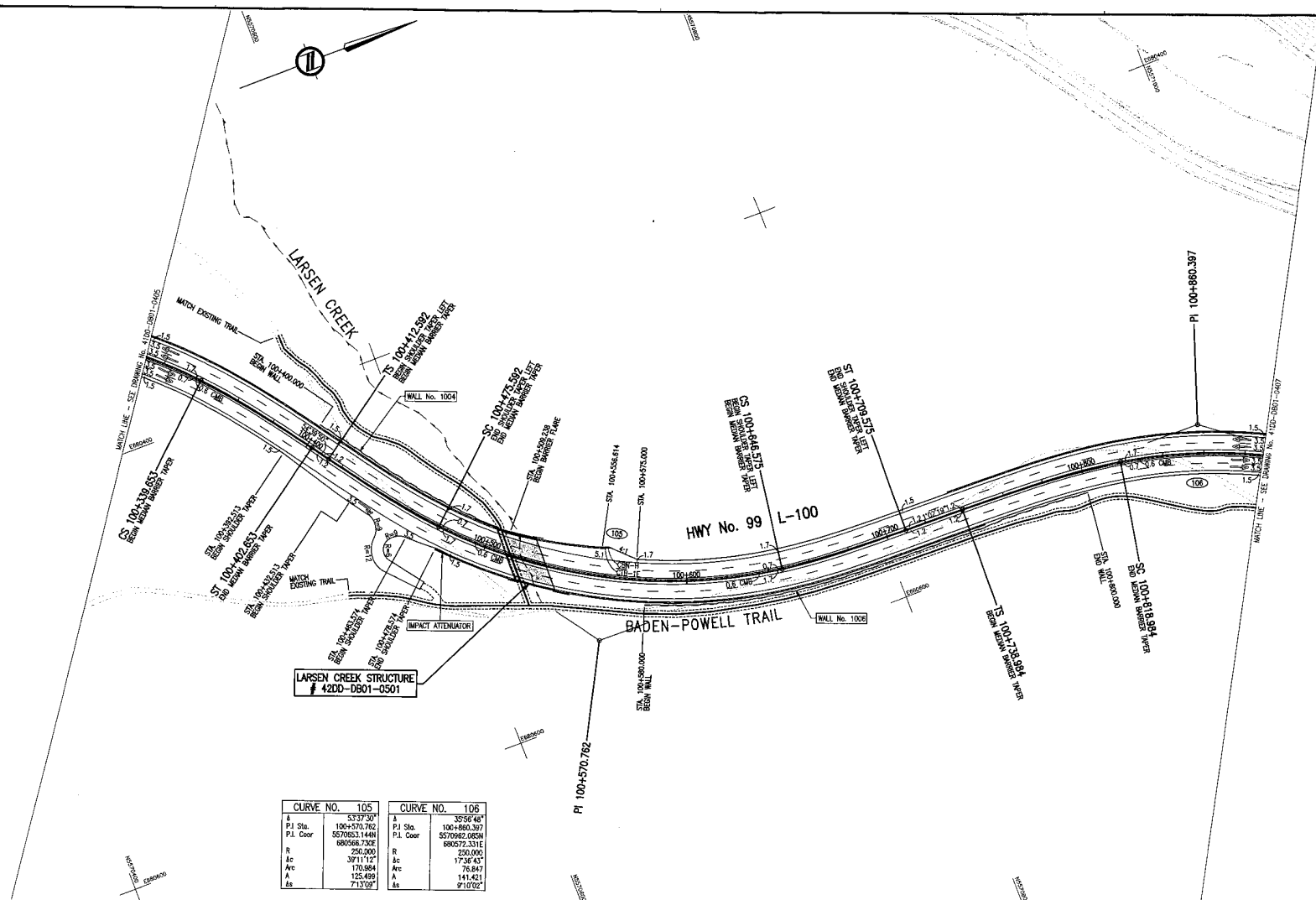
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 99+821.4 TO STA. 100+310.7

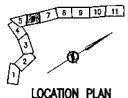
Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannay

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING No. 41DD-DB01-0405 PB



CURVE NO. 105		CURVE NO. 106	
A	5337.30'	A	3556.48'
P.I. Sta.	100+570.762	P.I. Sta.	100+860.397
P.I. Coord.	8570553.144N 890566.730E	P.I. Coord.	8570465.065N 890272.331E
R	250.000	R	250.000
Lc	3911.14'	Lc	1754.45'
Arc	170.984	Arc	76.847
A	125.499	A	141.421
Ls	713.92'	Ls	471.002'

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20



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DWG. No.	Description

Rev	Date	Description	Signature
P9	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. HOBBS

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 100+310.7 TO STA. 100+888.7

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF S. HOBBS SENIOR DESIGN ENGINEER DATE: 10 DEC 04 DRAWING No.
FILE No. 2111-40003-0	PROJECT No. 09901-S2S3	REGION 1

DRAWING No. **41DD-DB01-0406** PB

12/22/04 11:58:00 AM

CANADIAN

NATIONAL

RAILWAY

4 LD-100A-N002

CS 101+905.831

BALEN-POWELL TRAIL

ST 101+972.831

HWY No. 99 L-100

CS 101+231.291

PI 101+344.234

CS 101+141.011

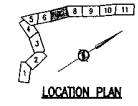
CS 101+453.501

CS 101+508.101

CS 101+508.101

CURVE NO. 107	
P.J. Sta.	377798
P.J. Coord.	101+344.234
R	557153.345N
Δc	80067.08E
R	400.000
Δc	30742.09
Δc	214.344
A	154.919
Δc	417.307

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20



SRS
 TRANSPORTATION GROUP

SCALE 0 1:1000 50m

DESIGNED: S.HOBBS DATE: JAN. 2004
 CHECKED: M.KOZACHKE DATE: JAN. 2004
 DRAWN: A.HUSSEIN DATE: JAN. 2004
 APPROVED: S.HOBBS DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 100+888.7 TO STA. 101+627.9

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Rev	Date	Description	Signature
PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	S. HOBBS

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhannay**

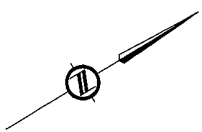
PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04

FILE NO: 2111-40003-0 PROJECT NO: 09901-ST53 REGION: 1 DRAWING NO: 41DD-DB01-0407 [PB]

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



CANADIAN

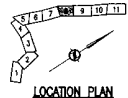
NATIONAL

RAILWAY

HWY No. 99 L-100

CURVE NO. 108		CURVE NO. 109		CURVE NO. 110	
P.I. Sta.	2442.507	P.I. Sta.	1759.537	P.I. Sta.	1145.437
P.L. Coord.	101+855.776	P.L. Coord.	101+989.102	P.L. Coord.	100+147.536
R	400.000	R	250.000	R	300.000
Ac	16196.357	Ac	3733.252	Ac	9709.437
Avc	112.475	Avc	15.529	Avc	0.286
A	154.815	A	125.469	A	135.277
Ba	477.267	Ba	713.027	Ba	549.327

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20



SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50m

DESIGNED: J. BEARD, DATE: JAN. 2004
 CHECKED: M. KOOZEKHAN, DATE: JAN. 2004
 DRAWN: J. HEDGECOCK, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 101+627.9 TO STA. 102+249.8

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DWG. No.	Description	Rev	Date	Description	Signature
		01	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD
REFERENCE DRAWINGS					
REVISIONS					

Project Managers: Hatch Mott MacDonald

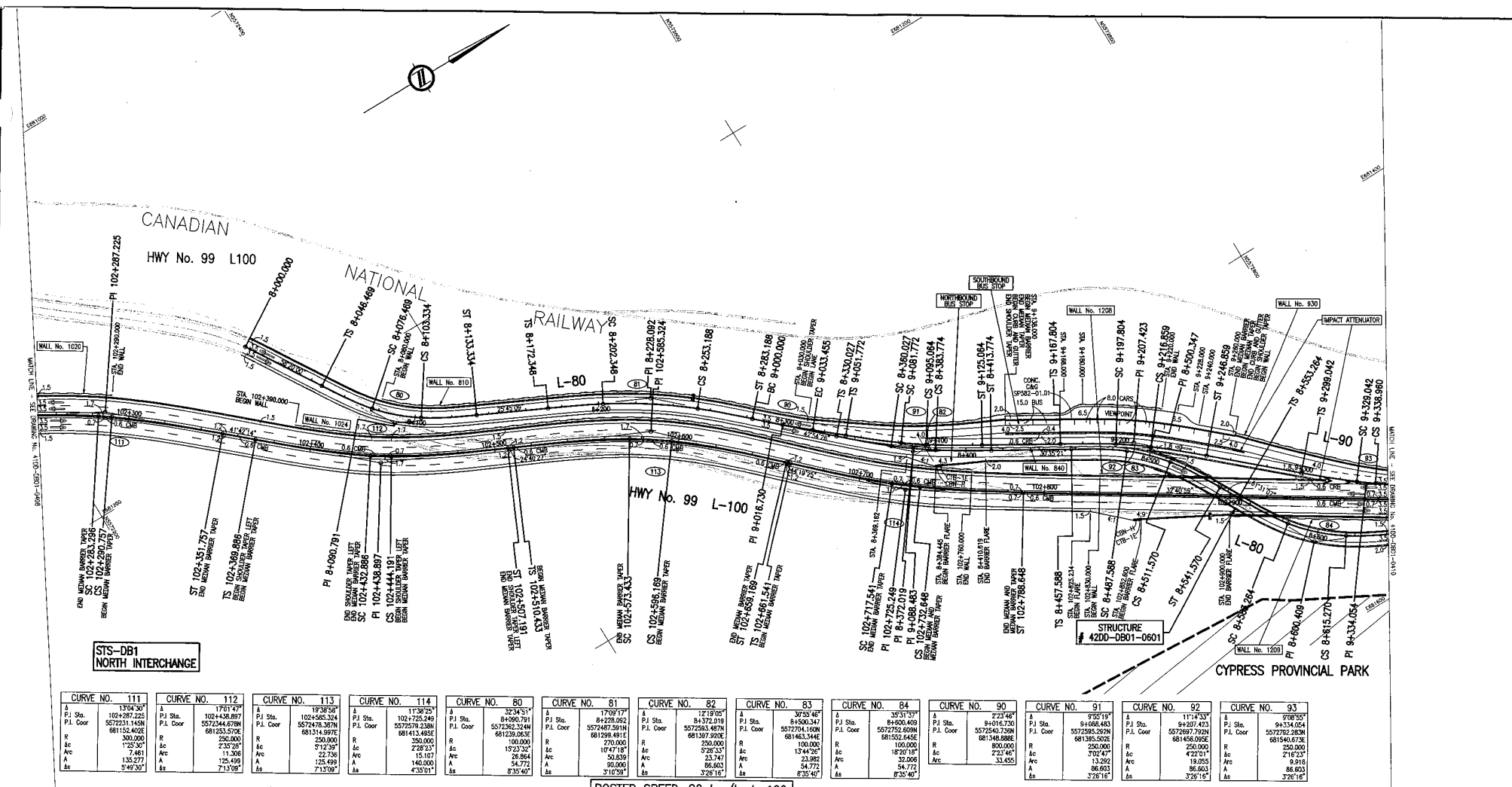
Design Consultant: McElhannay

PREPARED UNDER THE DIRECTION OF: S. HOBBS

SENIOR DESIGN ENGINEER: DATE: 10 DEC 04

FILE NO.: 2111-40003-0 PROJECT NO.: 09901-ST53 REVISION: 1 DRAWING NO.: 41DD-DB01-0408/PB

CANCEL PRINTS BEARING PREVIOUS EDITIONS



**STS-DB1
NORTH INTERCHANGE**

CURVE NO.	111	112	113	114	80	81	82	83	84	90	91	92	93
Δ P.I. Sta.	1374.30*	1701.47*	1838.58*	1138.25*	3234.51*	1709.17*	1219.05*	3759.46*	3531.53*	2234.67*	9355.17*	11745.33*	9085.58*
P.I. Coord.	102+987.225	102+438.891	102+485.324	102+725.249	64980.791	64228.922	64247.591	64500.347	64600.409	64167.670	64668.463	64307.423	6434.054
R	861152.402E	557344.678N	557476.307N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N	557362.344N
Δc	300.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000	290.000
Δc	125.30'	11.306	22.736	2.823	28.864	1747.18	3283.1	1747.18	1820.14	302.4	302.4	422.01	216.23
Δc	135.277	129.49	129.49	15.107	86.006	54.772	23.382	54.772	54.772	13.292	13.292	8.918	8.918
Δc	549.300	713.09'	713.09'	435.01'	310.59'	329.14'	329.14'	329.14'	329.14'	329.14'	329.14'	329.14'	329.14'

POSTED SPEED 80 km/h L-100
50 km/h L-80
50 km/h L-90

DESIGN SPEED 80 km/h L-100
50 km/h L-80
50 km/h L-90

ALL MOVEMENTS WB20



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETINEMENT DURING THE FULL DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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SRS S2S TRANSPORTATION GROUP

SCALE 0 1 1000 50m

DESIGNED: J. HOBBS DATE: JAN 2008
CHECKED: J. HOBBS DATE: JAN 2008
DRAWN: J. HOBBS DATE: JAN 2008
APPROVED: J. HOBBS DATE: JAN 2008

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
STA. 102+249.8 TO STA. 102+985.0

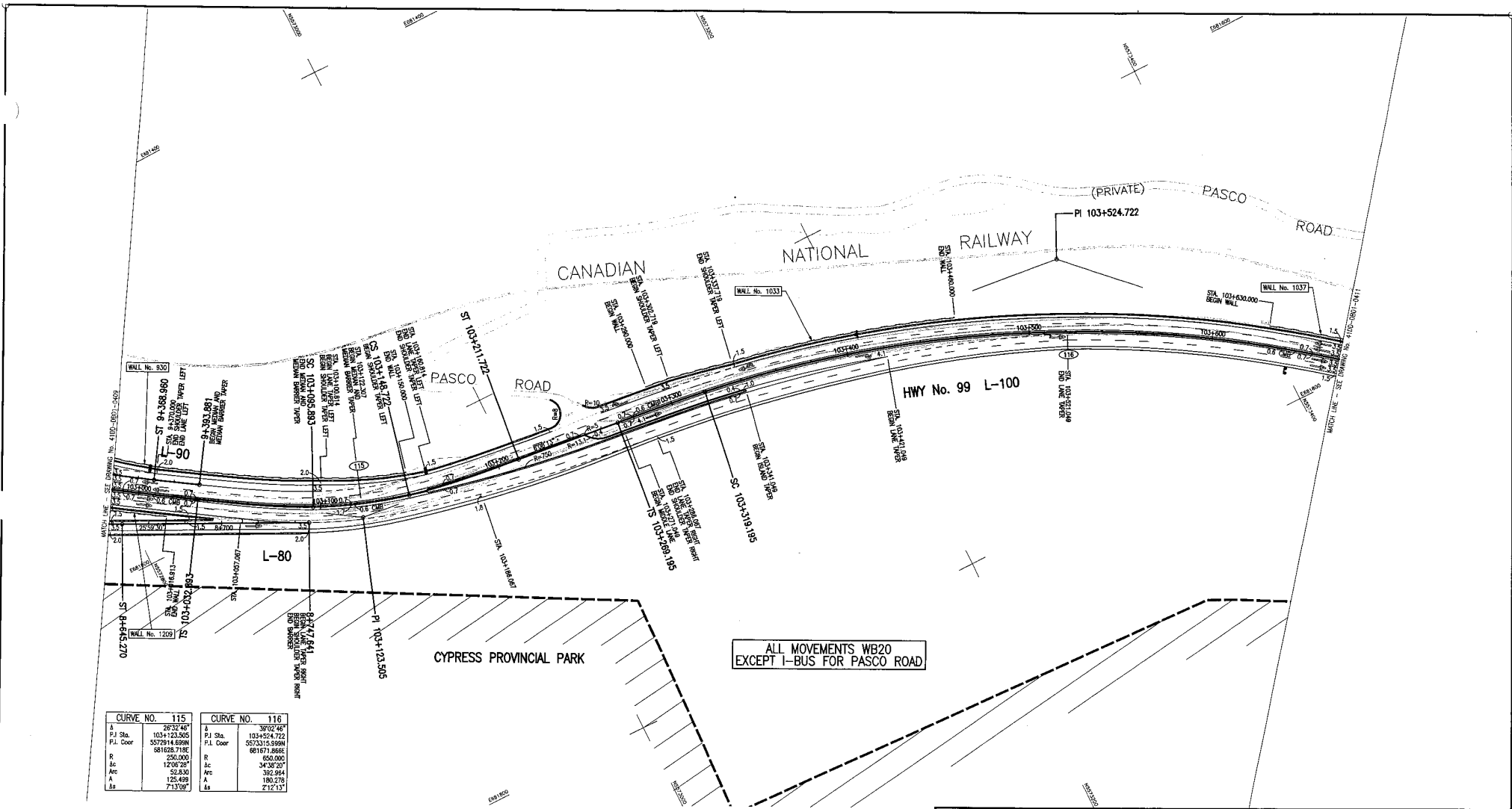
DRG. No.	Description	Rev.	Date	Description	Signature
		FD	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDIARD

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhannay**

FILE No. 2111-40003-0 PROJECT No. 09901-ST33 REGION 1 DRAWING No. 41DD-DB01-0409/PB

REFERENCE DRAWINGS REVISIONS



CURVE NO. 115		CURVE NO. 116	
A	2632.40'	A	3692.40'
P.I. Sta.	103+123.505	P.I. Sta.	103+524.722
P.I. Coord.	5575914.899M	P.I. Coord.	5653133.999M
R	581628.719E	R	661673.866E
L	250.000	L	650.000
Arc	1290.241'	Arc	3435.000'
A	52.830	A	392.894
A _s	125.469	A _s	180.279
	7.336E		2.1213'

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETINEMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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DWG. No.	Description	Rev	Date	Description	Signature
		PR	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. REDARD

REFERENCE DRAWINGS

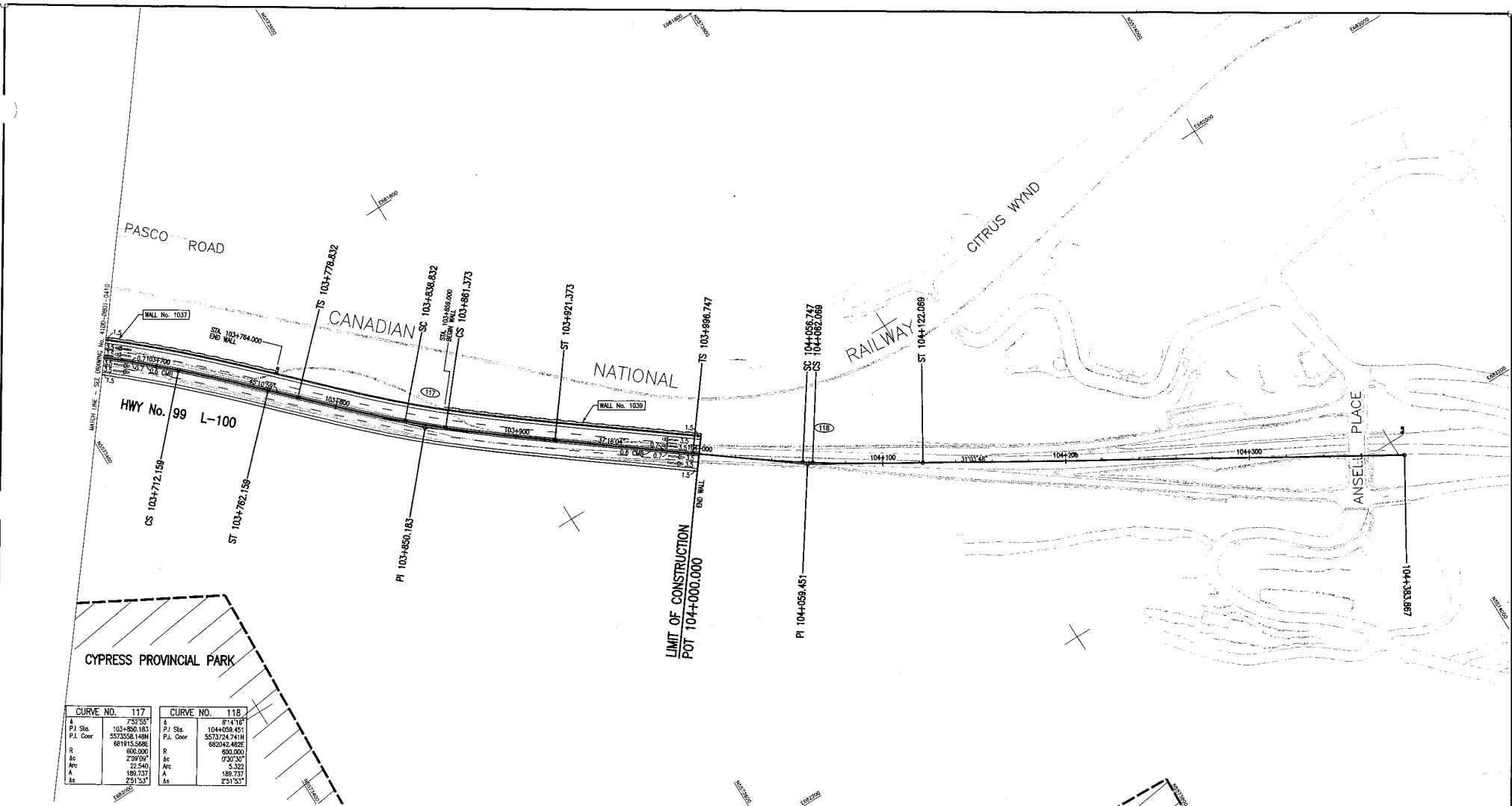
REVISIONS

SZS TRANSPORTATION GROUP
 SCALE 0 1 : 1000 50m
 DESIGNED: J. HOBBS DATE: JUN 2004
 CHECKED: J. HOBBS DATE: JUN 2004
 DRAWN: A. HEDDERLEY DATE: JUN 2004
 APPROVED: S. HOBBS DATE: JUN 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 102+985.0 TO STA. 103+669.9

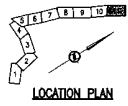
Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney
 PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04

FILE No. 2111-40003-0 PROJECT No. 09901-SITS3 REGION 1 DRAWING No. 41DD-DB01-0410 PB



CURVE NO. 117		CURVE NO. 118	
A Sta.	752.557	A Sta.	814.187
P.I. Sta.	103490.183	P.I. Sta.	104490.451
P.L. Coord.	5573558.148N	P.L. Coord.	5573724.741N
R	61915.568	R	682042.462
ac	600.000	ac	680.000
Δ	299.09°	Δ	030°30'
M	22.540	M	4.322
A	189.731	A	189.731
Δs	291.531	Δs	291.531

POSTED SPEED 80 km/h
 DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20



SRS
 TRANSPORTATION GROUP

SCALE 0 1:1000 50m

DESIGNED: J. BEHREND, DATE: JAN. 2004
 CHECKED: M. KODJACH, DATE: JAN. 2004
 DRAWN: J. HUBBARD, DATE: JAN. 2004
 APPROVED: S. HOBBS, DATE: JAN. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB1 - HORSESHOE BAY TO SUNSET BEACH
 STA. 103+669.9 TO STA. 104+000.000

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DWG. No.	Description	Rev	Date	Description	Signature
		PG	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARD

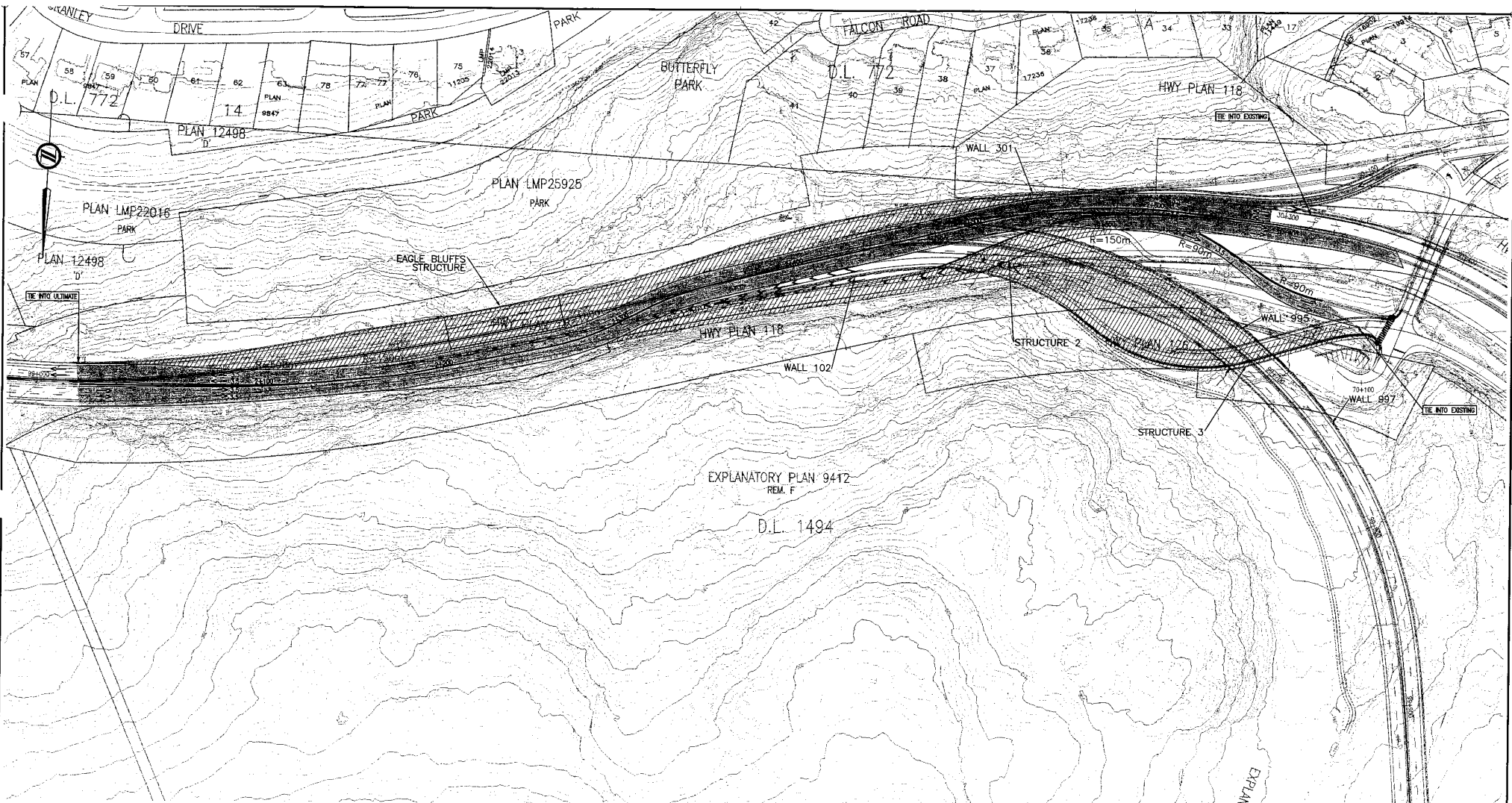
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: S. HOBBS
 SENIOR DESIGN ENGINEER
 DATE: 10 DEC 04
 DRAWING NO.: 41DD-DB01-0411 | PB

FILE NO.: 2111-40003-0
 PROJECT NO.: 09901-ST53
 REGION: 1

REFERENCE DRAWINGS REVISIONS



- NOTES:**
1. INFILL DITCH AND WIDEN TO NORTH OF TOH IN VICINITY OF EAGLE BLUFF STRUCTURE.
 2. CONSTRUCT DETOUR FOR CHALLENGER OFFRAMP (TO ACCOMMODATE BOTH STAGE 1 AND 2).
 3. DETOUR TRAFFIC TO STAGE 1 ALIGNMENTS.
 4. CONSTRUCT EAGLE BLUFF STRUCTURE.
 5. WIDEN SOUTH OF TOH FROM WALL 301 TO NELSON CREEK CANYON.
 6. CONSTRUCT STRUCTURES 1 & 2, WALLS 102, 995 & 997.
 7. CONSTRUCT L10 AND L20 AND BRING L100 TO GRADE NORTH OF STRUCTURE 2.

STAGE 1

STAGING LEGEND

- DETOUR / TRAVELLED AREA
- WORK ZONE

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE "TAILED" DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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DRWG. No.	Description	Rev	Date	Description	Signature
		FB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BETAUD
REFERENCE DRAWINGS					
REVISIONS					

SRS
S2S TRANSPORTATION GROUP

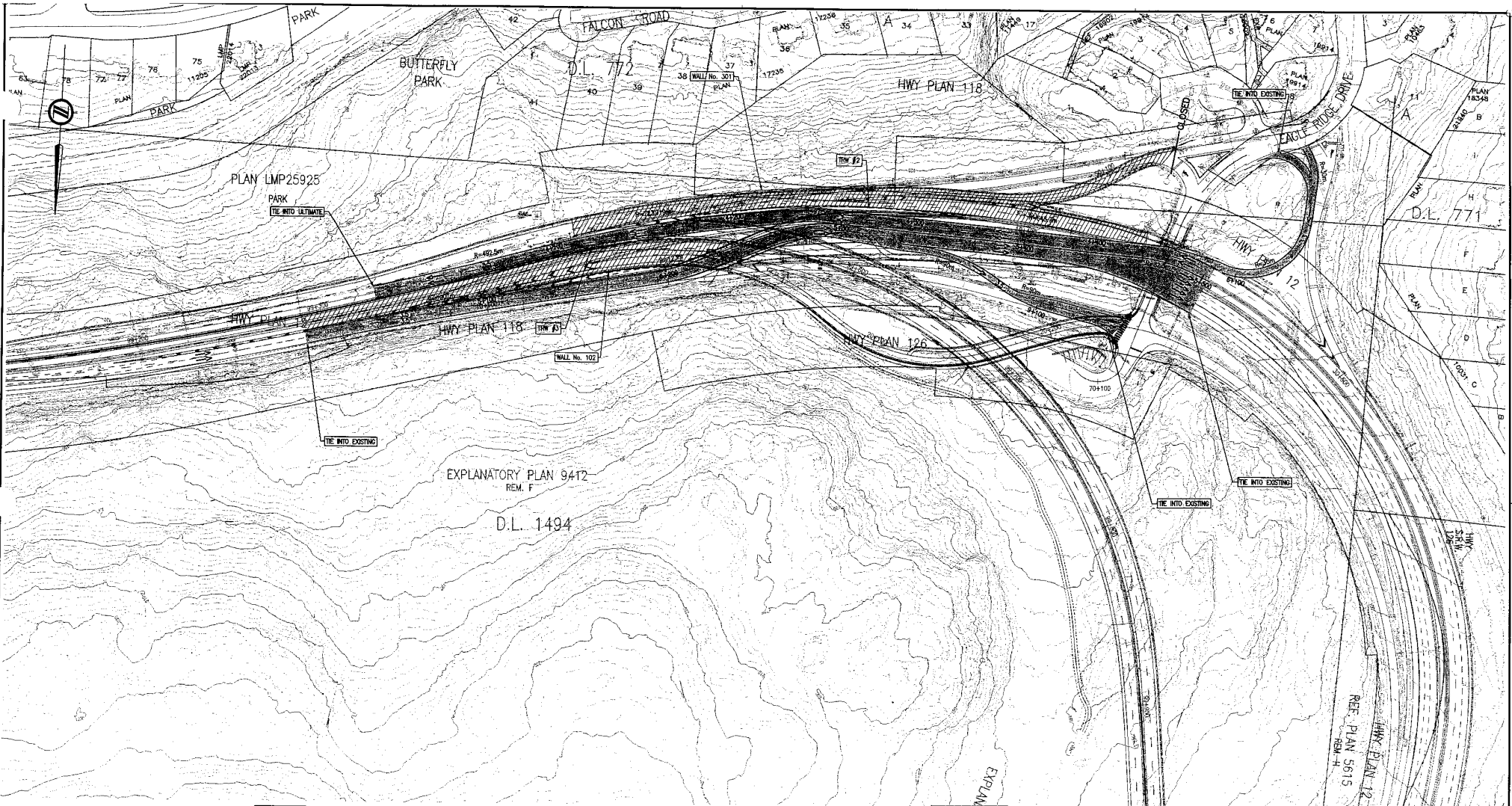
DESIGNED: J. BISHOP DATE DEC. 2004
 CHECKED: M. BISHOP DATE DEC. 2004
 DRAWN: J. BISHOP DATE DEC. 2004
 APPROVED: S. HOBBS DATE DEC. 2004

SCALE 0 1:1000 50m

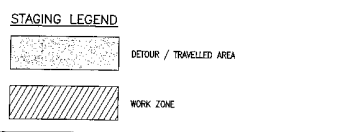
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
ST5-DB1 SOUTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**
 PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: 30 DEC 04
 DATE: 30 DEC 04
 PROJECT NO.: 2111-40003-0
 REGION: 1
 SHEET NO.: TMP-DB1-1



- NOTES:**
1. CONSTRUCT ON-RAMP DETOUR FOR TRAFFIC FROM EAGLERIDGE TO TCH EB.
 2. DETOUR TRAFFIC TO STAGE 2 ALIGNMENTS.
 3. CONSTRUCT TEMPORARY RETAINING WALL (TRW) #2.
 4. CONSTRUCT WALL #301 AND BRING L30 TO GRADE BETWEEN THE WALLS.
 5. CONSTRUCT TRW #3 AND BRING L100 TO GRADE BETWEEN WALL #102 AND TRW #3.
 6. CONSTRUCT ON RAMP TO TCH EB.



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FORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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STAGE 2

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BETARD
REFERENCE DRAWINGS					
REVISIONS					

SR S2S TRANSPORTATION GROUP

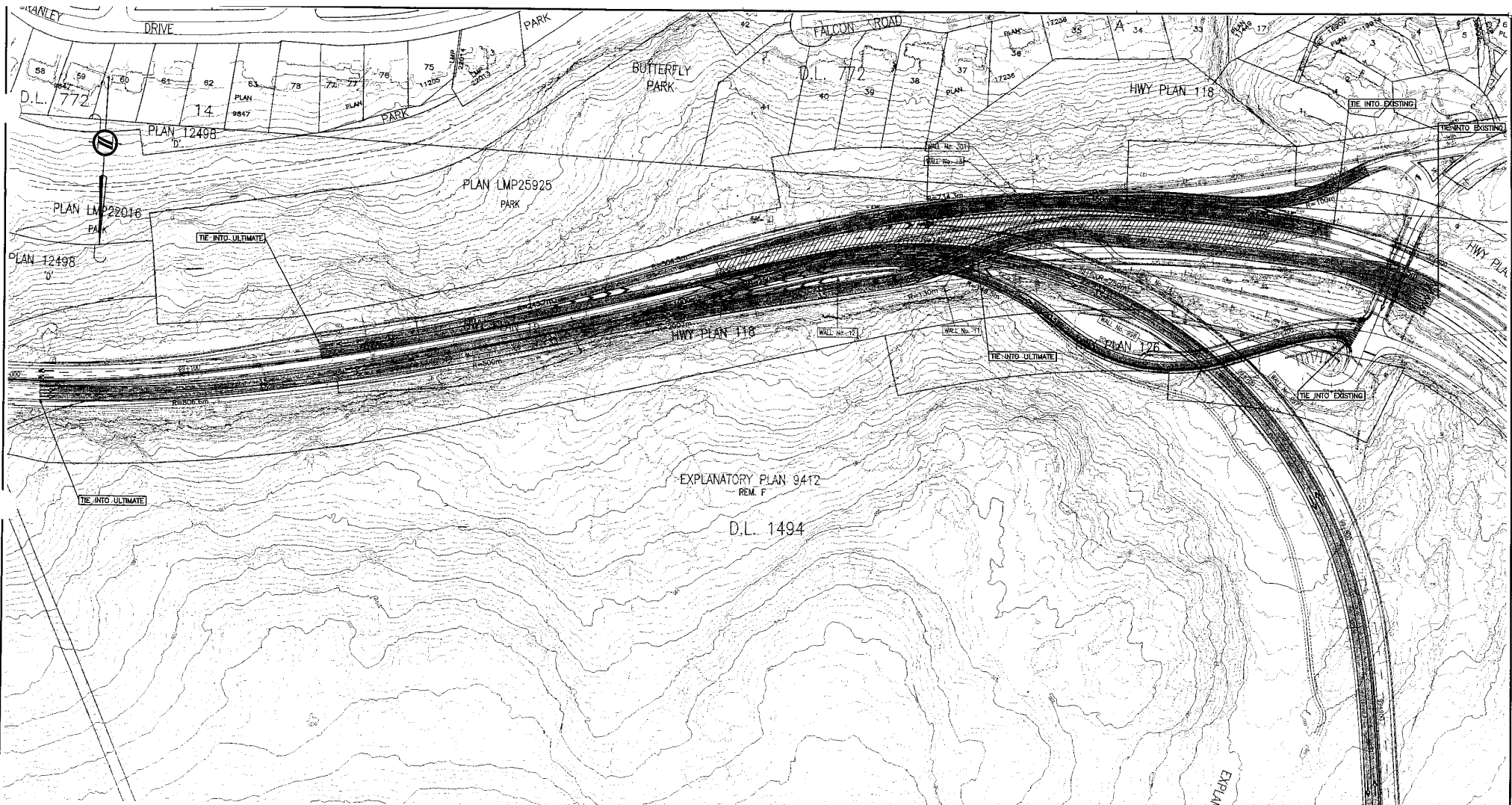
SCALE 0 1:1000 50m

DESIGNED: J. BETARD DATE: DEC. 2004
 CHECKED: M. KUCIUCHAL DATE: DEC. 2004
 DRAWN: M. BERTON DATE: DEC. 2004
 APPROVED: S. SHORR DATE: DEC. 2004

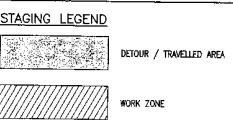
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
STS-DB1 SOUTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannney
 PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: 20 DEC 04
 DATE: 20 DEC 04
 FILE NO.: 2111-40003-0
 PROJECT NO.: 09901-ST53
 REGION: 1
 DRAWING NO.: TMP-DB1-2
 PB



- NOTES:**
1. DETOUR TRAFFIC TO STAGE 3 ALIGNMENTS AND MOVE TRAFFIC FROM NORTH DETOUR TO L100.
 2. CLOSE EXIT 1.
 3. CONSTRUCT WALL #103.
 4. REMOVE TRM #6 AND BRING REMAINDER OF L30 TO GRADE.
 5. REMOVE TRM #5 AND BRING REMAINDER OF L100 TO GRADE.
 6. DEACTIVATE NORTH DETOUR, AND EB TCH & EAGLECRGE RAMPS.



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STAGE 3

DWG. No.	Description	Rev	Date	Description	Signature

SR S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50M

DESIGNED: J. BEARD, DATE DEC. 2004
 CHECKED: M. KOSCIUSZKA, DATE DEC. 2004
 DRAWN: M. HENNING, DATE DEC. 2004
 APPROVED: J. HOBBS, DATE DEC. 2004

Rev	Date	Description	Signature
1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR STAGING
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF:
 D. LEUNG
 SENIOR DESIGN ENGINEER
 20 DEC 04
 DATE DRAWING No. 1
 PROJECT No. 2111-40003-0 REGION 1
 DESIGN No. 09901-ST53
 DRAWING No. TMP-DB1-3 PB

REFERENCE DRAWINGS

REVISIONS



- NOTES:**
1. INFILL DITCH AND WIDEN TO NORTH OF TCH IN VICINITY OF EAGLE BLUFF STRUCTURE.
 2. CONSTRUCT DETOUR FOR OVERBRIDGE OFFRAMP (TO ACCOMMODATE BOTH STAGE 1 AND 2).
 3. DETOUR TRAFFIC TO STAGE 1 ALIGNMENTS.
 4. CONSTRUCT EAGLE BLUFF STRUCTURE.
 5. WIDEN SOUTH OF TCH FROM WALL 301 TO NELSON CREEK CANYON.
 6. CONSTRUCT STRUCTURES 1 & 2, WALLS 102, 995 & 997.
 7. CONSTRUCT L10 AND L20 AND BRING L100 TO GRADE NORTH OF STRUCTURE 2.

STAGE 1

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STAGING LEGEND

	DETOUR / TRAVELLED AREA
	WORK ZONE

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD

REFERENCE DRAWINGS

REVISIONS

SRS TRANSPORTATION GROUP

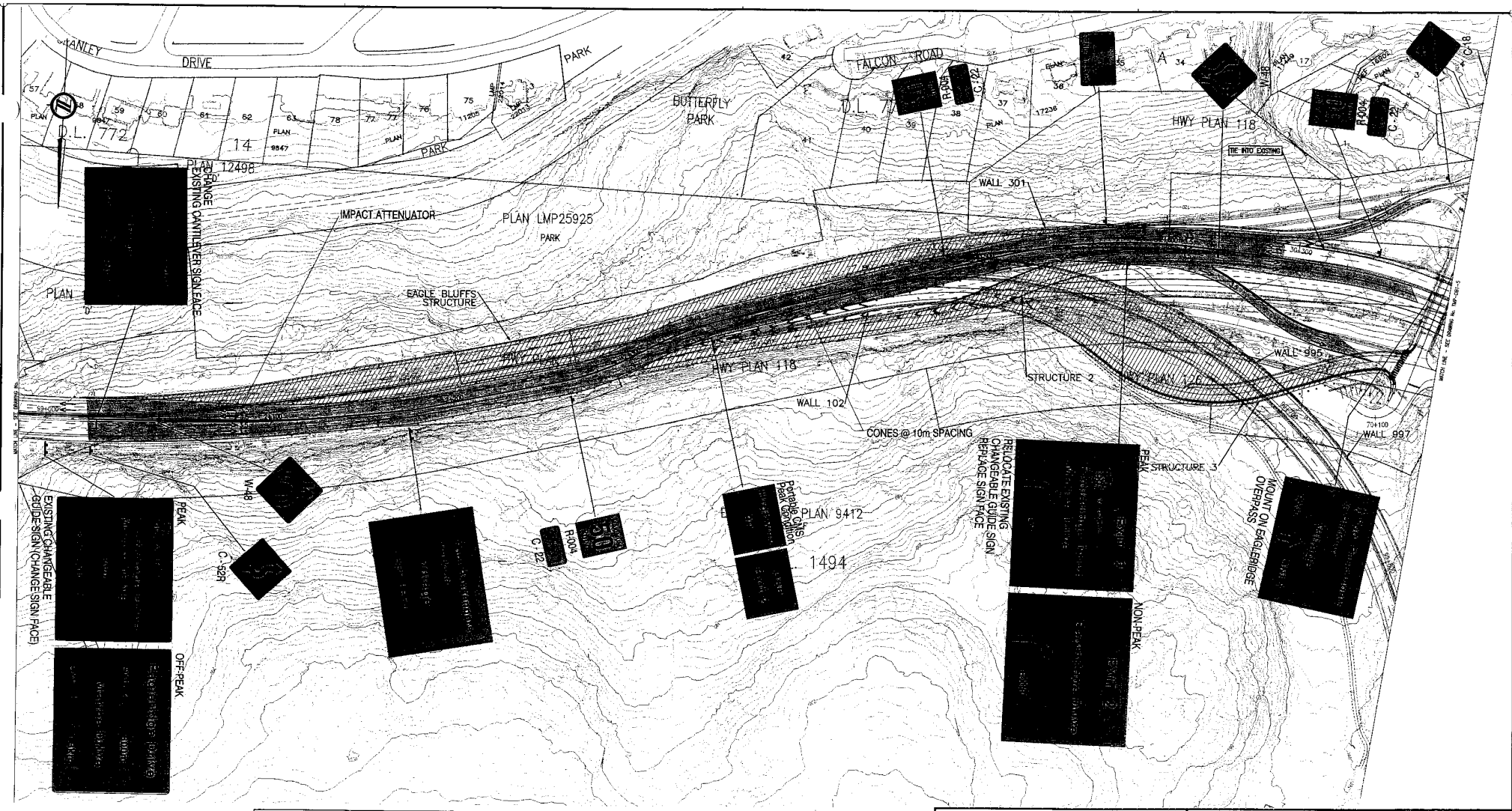
SCALE 0 1 : 1000 50m

DESIGNED: J. BEDARD DATE: DEC. 2004
 CHECKED: M. KUCZYNSKI DATE: DEC. 2004
 DRAWN: M. BENZON DATE: DEC. 2004
 APPROVED: J. HOBBS DATE: DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannney
 PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: 20 DEC 04
 FILE No.: 2111-40003-0 PROJECT No.: 09901-STS3 REGION: 1 DRAWING No.: TMP-DB1-4



- NOTES:**
1. INFILL DITCH AND WIDEN TO NORTH OF TCH IN VICINITY OF EAGLE BLUFF STRUCTURE.
 2. CONSTRUCT DETOUR FOR EAGLEBRIDGE OFFRAMP (TO ACCOMMODATE BOTH STAGE 1 AND 2).
 3. DETOUR TRAFFIC TO STAGE 1 ALIGNMENTS.
 4. CONSTRUCT EAGLE BLUFF STRUCTURE.
 5. WIDEN SOUTH OF TCH FROM WALL 301 TO NELSON CREEK CANYON.
 6. CONSTRUCT STRUCTURES 1 & 2, WALLS 102, 995 & 997.
 7. CONSTRUCT L10 AND L20 AND BRING L100 TO GRADE NORTH OF STRUCTURE 2.

STAGING LEGEND



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE VARIOUS DESIGN PHASES AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND AVOID THE DESIGNER OF ANY POTENTIAL CONFLICTS.

THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED OR PRODUCED WITHOUT THE CONSENT OF MCLHANNAY ENGINEERING SERVICES LTD. MCLHANNAY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

STAGE 1

Rev	Date	Description	Signature
FB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARD

SRS
S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: [REDACTED] DATE: DEC. 2004
 CHECKED: M. KOZULCHAK DATE: DEC. 2004
 DRAWN: J. MCDONNELL DATE: DEC. 2004
 APPROVED: S. HOBBS DATE: DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

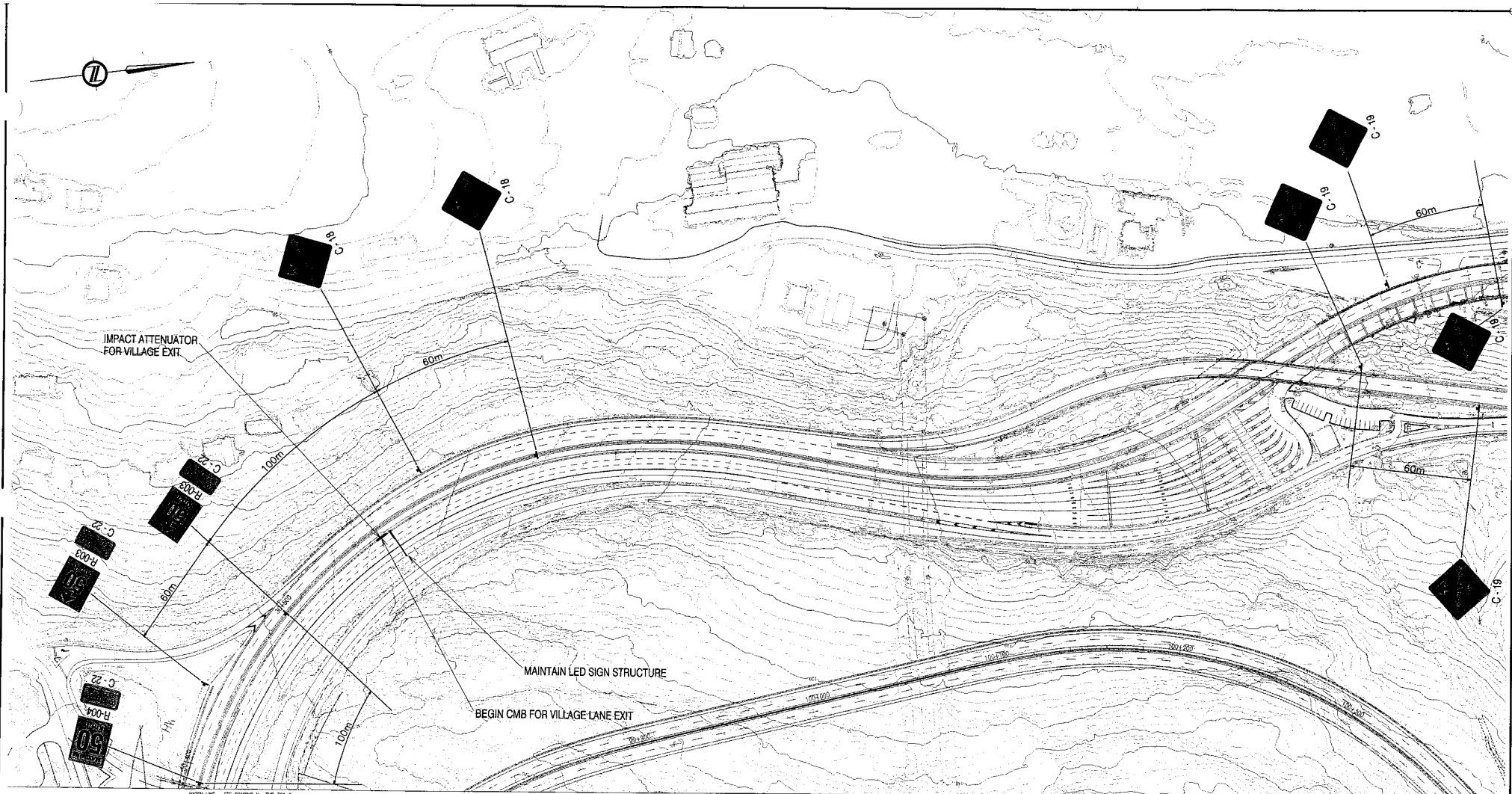
DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald, Design Consultant: McElhannay

PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: [REDACTED] DATE: 20 DEC 04
 FILE No.: 2111-40003-0 PROJECT No.: 09901-ST53 REGIM: 1 DRAWING No.: TMP-DB1-5

REFERENCE DRAWINGS REVISIONS

CANADA PRINTS REGARDING BREVETÉ DES DROITS



MATCH LINE - SEE DRAWING No. TMP-DB1-5

NOTES:

1. INFILL DETOUR AND WIDEN TO NORTH OF TCH N VICINITY OF EAGLE BLUFF STRUCTURE.
2. CONSTRUCT DETOUR FOR EAGLEBLUFF OFFRAMP (TO ACCOMMODATE BOTH STAGE 1 AND 2).
3. DETOUR TRAFFIC TO STAGE 1 ALIGNMENTS.
4. CONSTRUCT EAGLE BLUFF STRUCTURE.
5. WIDEN SOUTH OF TCH FROM WALL 301 TO NELSON CREEK CANYON.
6. CONSTRUCT STRUCTURES 1 & 2, WALLS 102, 995 & 997.
7. CONSTRUCT L10 AND L20 AND BRING L100 TO GRADE NORTH OF STRUCTURE 2.

STAGING LEGEND

- DETOUR / TRAVELLED AREA
- WORK ZONE

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE STAGED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

THIS DRAWING AND DESIGN SHALL NOT BE USED, REUSED OR PRODUCED WITHOUT THE CONSENT OF McELHANNAY ENGINEERING SERVICES LTD. McELHANNAY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

STAGE 1

DWG. No.	Description	Rev.	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD
REFERENCE DRAWINGS					
REVISIONS					

S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED A.BEDARD DATE DEC. 2004
 CHECKED M.KOZLOUCHAK DATE DEC. 2004
 DRAWN M.MERZON DATE DEC. 2004
 APPROVED S.HOBBS DATE DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

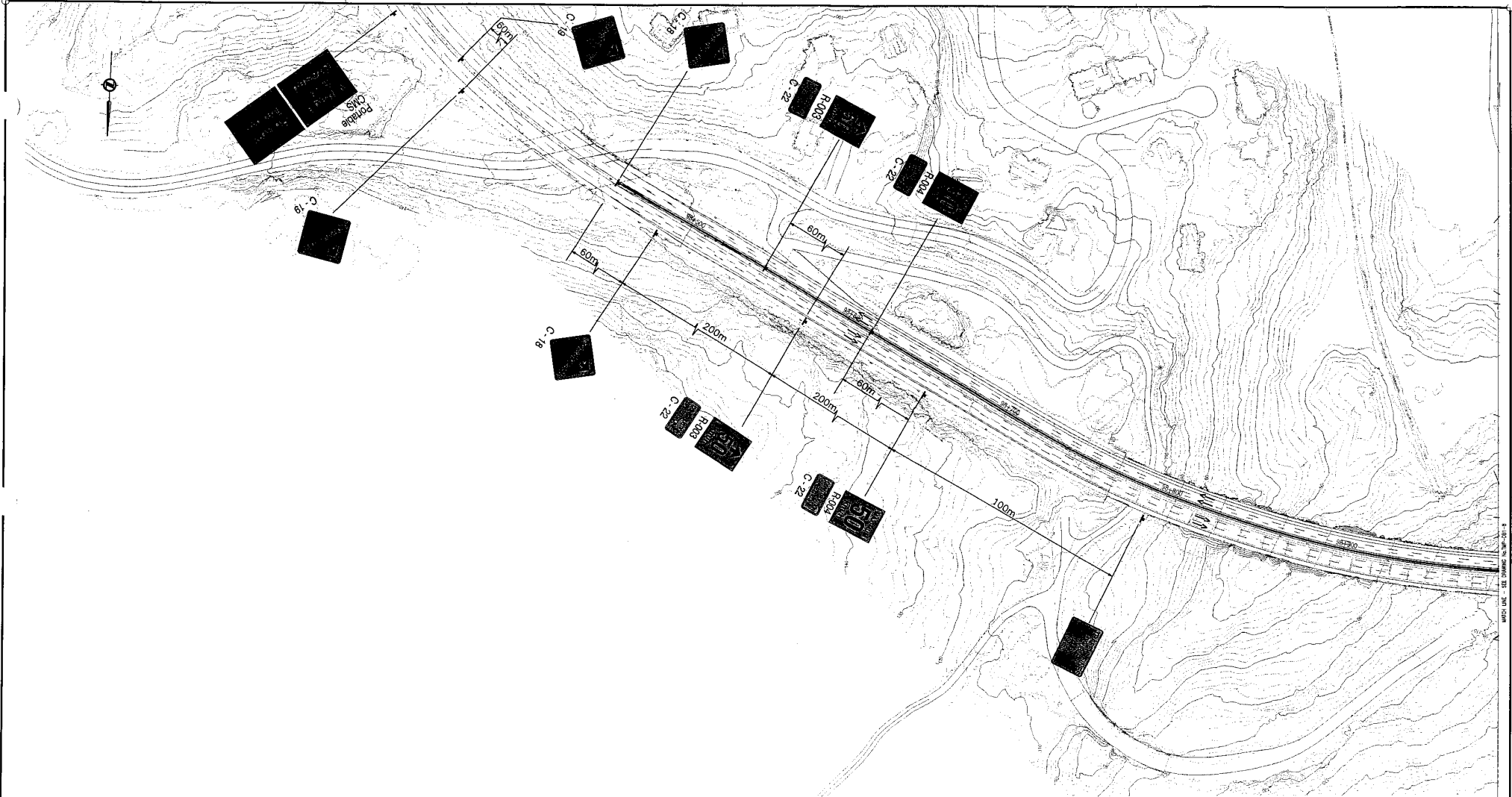
DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**

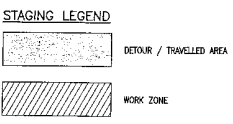
Design Consultant: **McElhannay**

PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: 20 DEC 04
 DATE: _____
 FILE NO.: 2111-40003-0
 PROJECT NO.: 09901-ST53
 REGION: 1
 DRAWING NO.: TMP-DB1-6 | PB

CANCEL PRINTS BEARING PREVIOUS LETTER



- NOTES:**
1. CONSTRUCT ON-RAMP DETOUR FOR TRAFFIC FROM EAGLERIDGE TO TCH EB.
 2. DETOUR TRAFFIC TO STAGE 2 ALIGNMENTS.
 3. CONSTRUCT TEMPORARY RETAINING WALL (TRW) #2.
 4. CONSTRUCT WALL #301 AND BRING L30 TO GRADE BETWEEN THE WALLS.
 5. CONSTRUCT TRW #3 AND BRING L100 TO GRADE BETWEEN WALL #102 AND TRW #3.
 6. CONSTRUCT ON RAMP TO TCH EB.



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE "MAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD FORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORDED DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

THIS DRAWING AND DESIGN SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNY ENGINEERING SERVICES LTD. McELHANNY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

STAGE 2

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. INEADU

S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: SURENDRA DATE DEC. 2004
 CHECKED: M. MOULCHUR DATE DEC. 2004
 DRAWN: M. BUCHANAN DATE DEC. 2004
 APPROVED: J. HENNESSY DATE DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

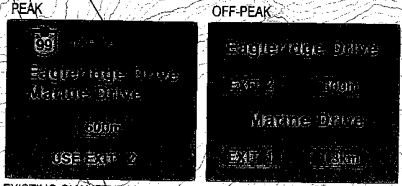
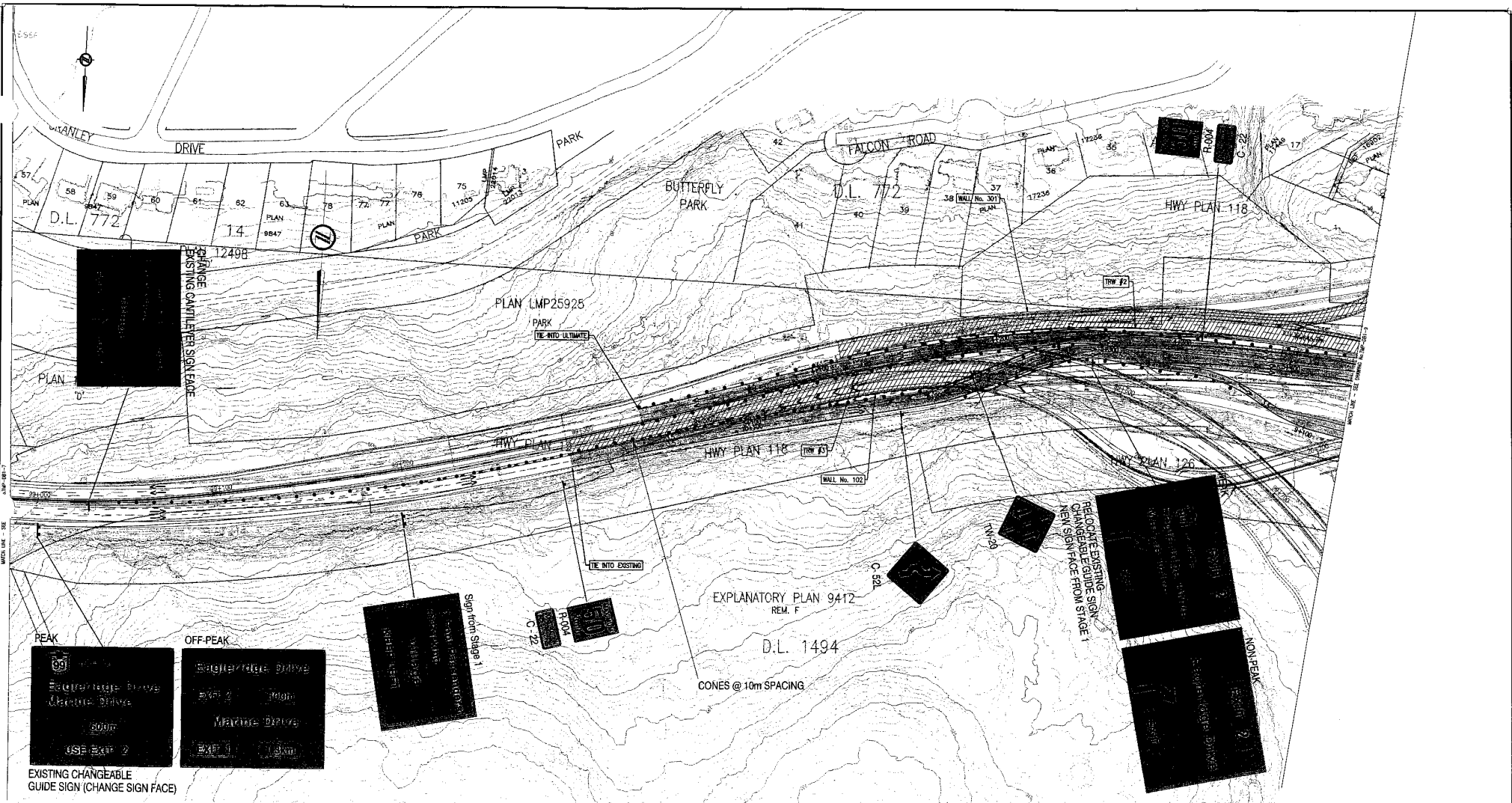
DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney

PREPARED UNDER THE DIRECTION OF: B. LEUNG
 SENIOR DESIGN ENGINEER: JG DEC 04
 DATE: _____ DRAWING NO.: TMP-DB1-7

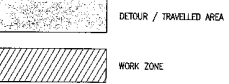
FILE No.: 2111-40003-0 PROJECT No.: 09901-STSS REGION: 1

REFERENCE DRAWINGS REVISIONS



- NOTES:**
1. CONSTRUCT ON-RAMP DETOUR FOR TRAFFIC FROM EAGLEBRIDGE TO TCH EB.
 2. DETOUR TRAFFIC TO STAGE 2 ALIGNMENTS.
 3. CONSTRUCT TEMPORARY RETAINING WALL (TRW) #2.
 4. CONSTRUCT WALL #301 AND BRING L30 TO GRADE BETWEEN THE WALLS.
 5. CONSTRUCT TRW #3 AND BRING L100 TO GRADE BETWEEN WALL #102 AND TRW #3.
 6. CONSTRUCT ON RAMP TO TCH EB.

STAGING LEGEND



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETIREMENT DURING THE TYPICAL DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS AND MAY NOT BE COMPLETE OR FULLY ACCURATE PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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STAGE 2

DWG. No.	Description	Rev	Date	Description	Signature
		PE	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARD
REFERENCE DRAWINGS					
REVISIONS					

S2S TRANSPORTATION GROUP

SCALE: 0 1 : 1000 50m

DESIGNED: R. BEHARD DATE DEC. 2004
 CHECKED: M. KOTZSCHKE DATE DEC. 2004
 DRAWN: M. BUDZON DATE DEC. 2004
 APPROVED: S. HOBBS DATE DEC. 2004

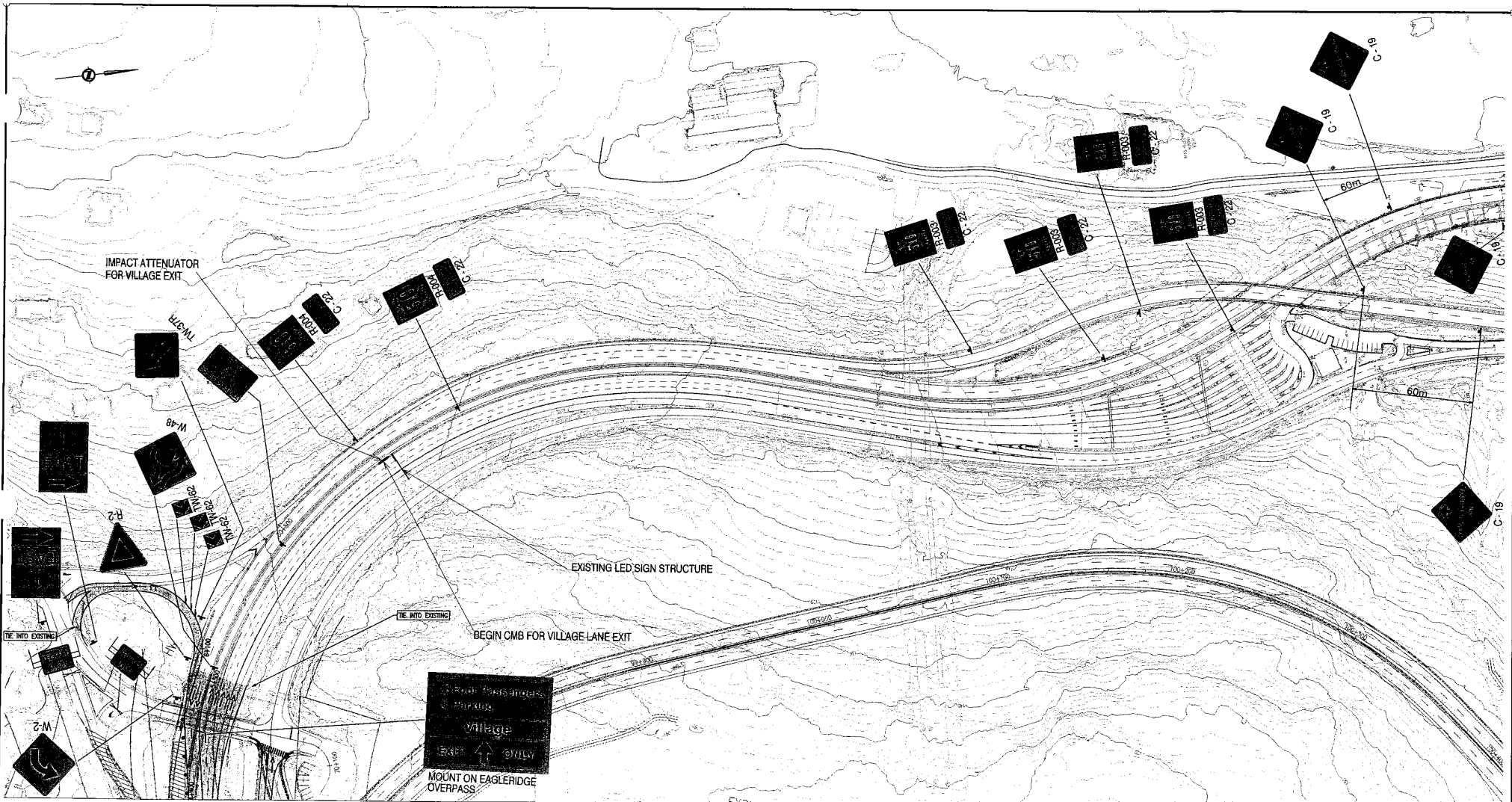
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannay

PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: JO BEC 04
 DATE: DRAWING NO.: TWP-DB1-8 PB

FILE NO.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1

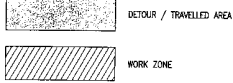


WIDTH LINE - SEE DRAWING No. TMP-1081

- NOTES:**
1. CONSTRUCT ON-RAMP DETOUR FOR TRAFFIC FROM EAGLERIDGE TO TCH EB.
 2. DETOUR TRAFFIC TO STAGE 2 ALIGNMENTS.
 3. CONSTRUCT TEMPORARY RETAINING WALL (TRW) #2.
 4. CONSTRUCT WALL #301 AND BRING L30 TO GRADE BETWEEN THE WALLS.
 5. CONSTRUCT TRW #3 AND BRING L100 TO GRADE BETWEEN WALL #1102 AND TRW #3.
 6. CONSTRUCT ON RAMP TO TCH EB.

STAGE 2

STAGING LEGEND



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE TYPICAL DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORDED DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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DESIGNED: R. BEHARDT DATE DEC. 2004
 CHECKED: M. KODOLICHAK DATE DEC. 2004
 DRAWN: M. BUDZON DATE DEC. 2004
 APPROVED: S. HOBBS DATE DEC. 2004

DWG. No.	Description	Rev	Date	Description	Signature
		PR	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARDT

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR SIGNAGE
 STS-DB1 SOUTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: 20 DEC 04
 PROJECT No: 09901-ST53 REGION 1
 DRAWING No: TMP-DB1-9

REFERENCE DRAWINGS

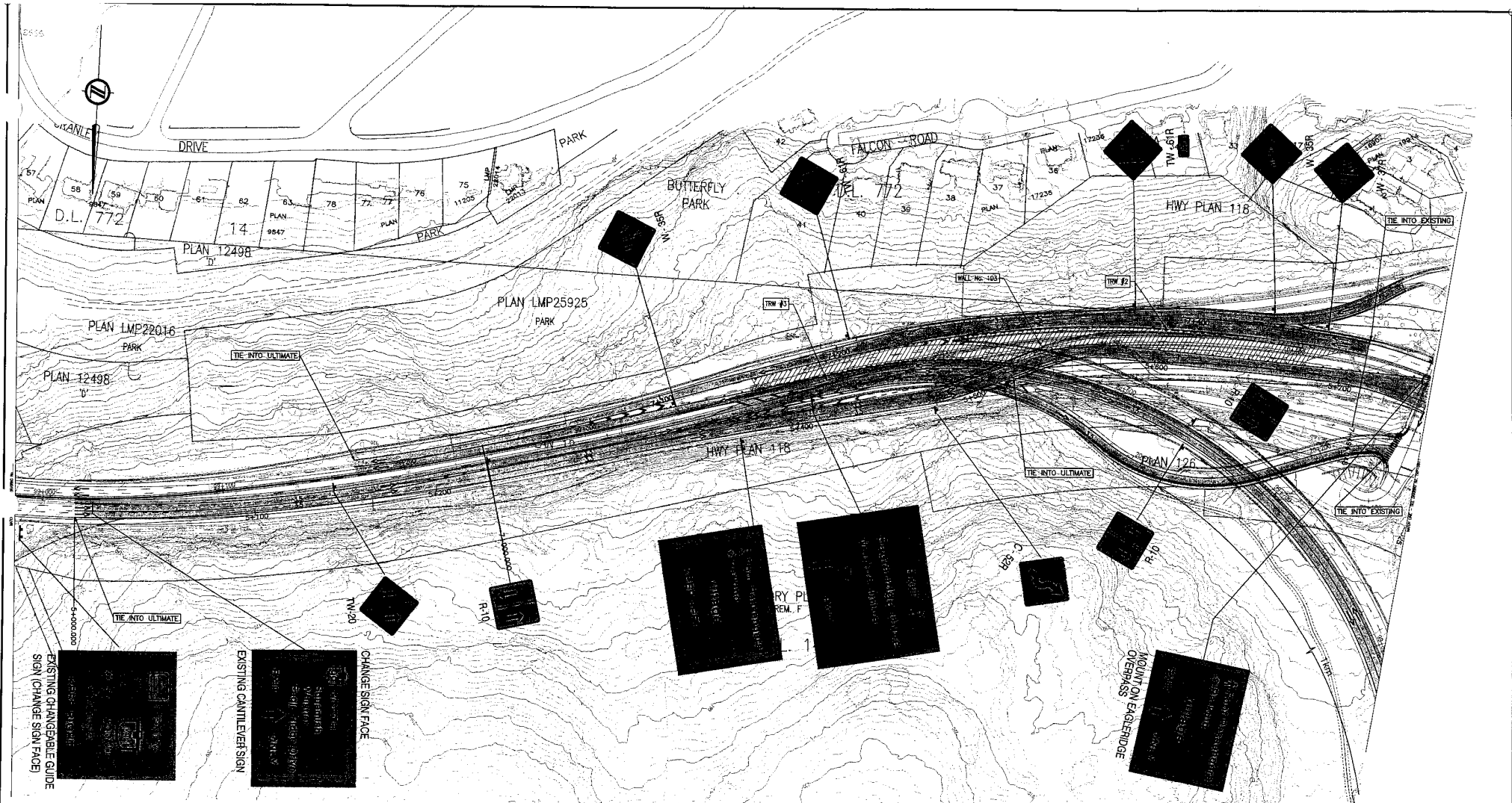
REVISIONS

FILE No: 2111-40003-0

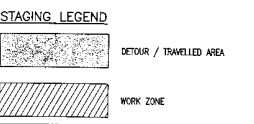
PROJECT No: 09901-ST53

REGION 1 DRAWING No: TMP-DB1-9

CANCEL PRINTS BEARING PREVIOUS LETTER



- NOTES:**
1. DETOUR TRAFFIC TO STAGE 3 ALIGNMENTS AND MOVE TRAFFIC FROM NORTH DETOUR TO L100.
 2. CLOSE EXIT 1.
 3. CONSTRUCT WALL #103.
 4. REMOVE TRW #2 AND BRING REMAINDER OF L30 TO GRADE.
 5. REMOVE TRW #3 AND BRING REMAINDER OF L100 TO GRADE.
 6. DEACTIVATE NORTH DETOUR, AND EB TCH & EAGLESHOPE RAMPS.



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE VALIDATED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATION AND DEPTHS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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STAGE 3

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. REDARD
REFERENCE DRAWINGS					
REVISIONS					

SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50M

DESIGNED: SUBCARD DATE DEC. 2004
 CHECKED: M. KOSZCZAK DATE DEC. 2004
 DRAWN: M. BENZON DATE DEC. 2004
 APPROVED: J. HOBBS DATE DEC. 2004

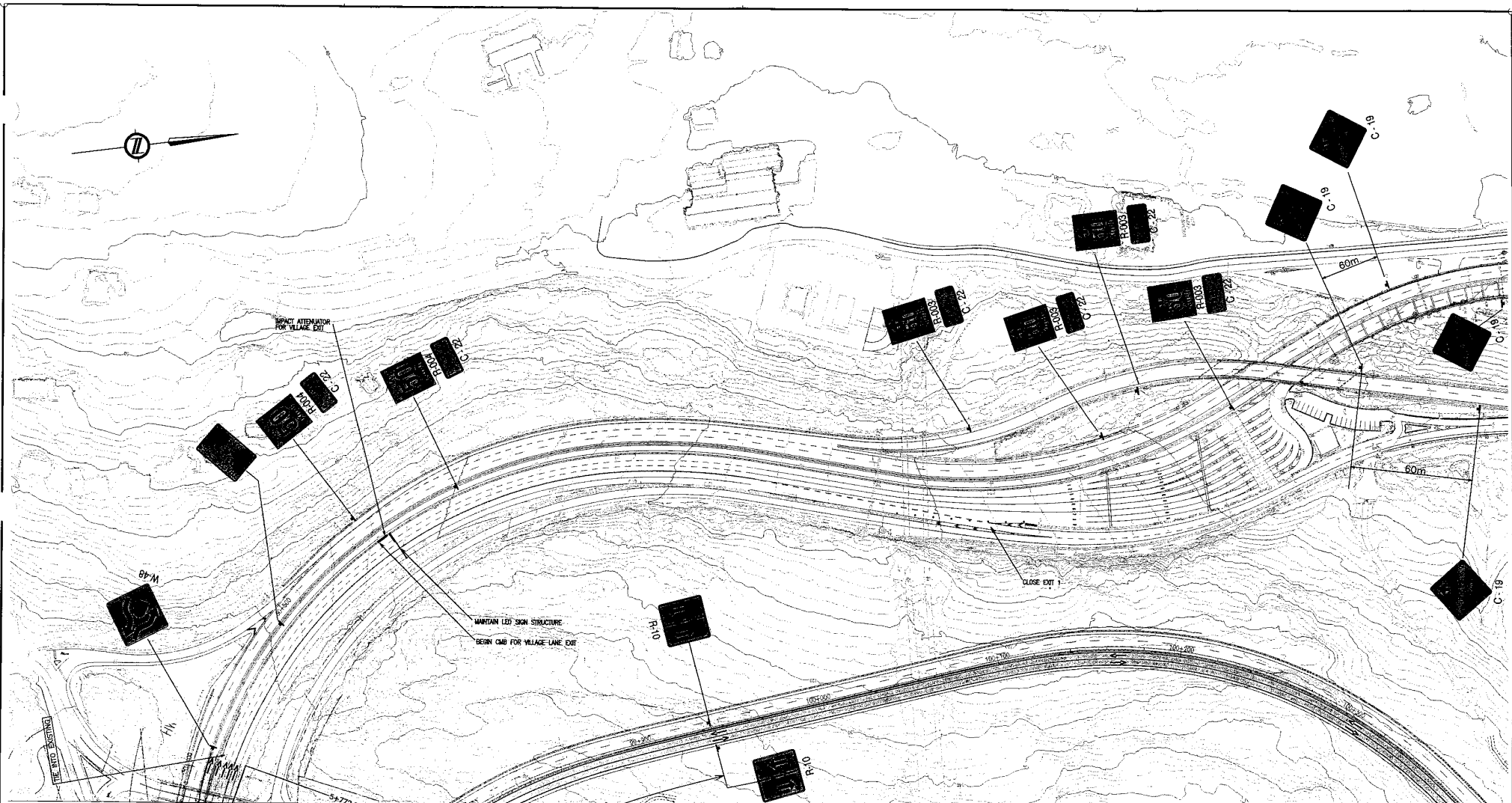
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR SIGNAGE
ST5-DB1 SOUTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhannay

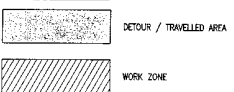
PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER
 DATE: 20 DEC 04
 DRAWING No.: TWP-DB1-10

FILE No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1



- NOTES:**
1. DETOUR TRAFFIC TO STAGE 3 ALIGNMENTS AND MOVE TRAFFIC FROM NORTH DETOUR TO L100.
 2. CLOSE EXIT 1.
 3. CONSTRUCT WALL #103.
 4. REMOVE TYP #6 AND BRING REMAINDER OF L30 TO GRADE.
 5. REMOVE TYP #8 AND BRING REMAINDER OF L100 TO GRADE.
 6. DEACTIVATE NORTH DETOUR, AND EB TOH & ENGLERIDGE RAMPS.

STAGING LEGEND



THIS DRAWING AND DESIGN SHALL NOT BE USED, REUSED OR PRODUCED WITHOUT THE CONSENT OF McELHANNNEY ENGINEERING SERVICES LTD. McELHANNNEY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

STAGE 3

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD

REFERENCE DRAWINGS

SRS
S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED	E.BEDARD	DATE	DEC. 2004
CHECKED	M.KOZUCHAK	DATE	DEC. 2004
DRAWN	M.BENZON	DATE	DEC. 2004
APPROVED	J.HOBBS	DATE	DEC. 2004

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR SIGNAGE
STS-DB1 SOUTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers Hatch Mott MacDonald	Design Consultant McElhanney	PREPARED UNDER THE DIRECTION OF B. LEUNG SENIOR DESIGN ENGINEER 30 DEC 04 DATE
FILE NO. 2111-4003-0	PROJECT NO. 09901-ST53	REVISION 1
		DRAWING NO. TMP-DB1-11

PCL A
REF. PLAN 1327

CANADIAN NATIONAL RAILWAY
SEA TO SKY HIGHWAY (HWY. 99 NORTH)

HWY. PLAN 52

STATUTORY R.O.W.
PLAN 5207

D.L. 2386

D.L. 1495



STAGE 1

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE STAGED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

- NOTES:**
1. TWO LANES TRAFFIC ON EXISTING ASPHALT.
 2. CONSTRUCT NEW RAMPS, ALIGNMENT & OVERPASS STRUCTURE.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

STAGING LEGEND

-  DETOUR / TRAVELLED AREA
-  WORK ZONE

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DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. REWARD

REFERENCE DRAWINGS

REVISIONS

SRS
TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: ALBERARD DATE: DEC. 2004
CHECKED: M. KODZLUCHER DATE: DEC. 2004
DRAWN: M. KENZON DATE: DEC. 2004
APPROVED: S. HOBBS DATE: DEC. 2004

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

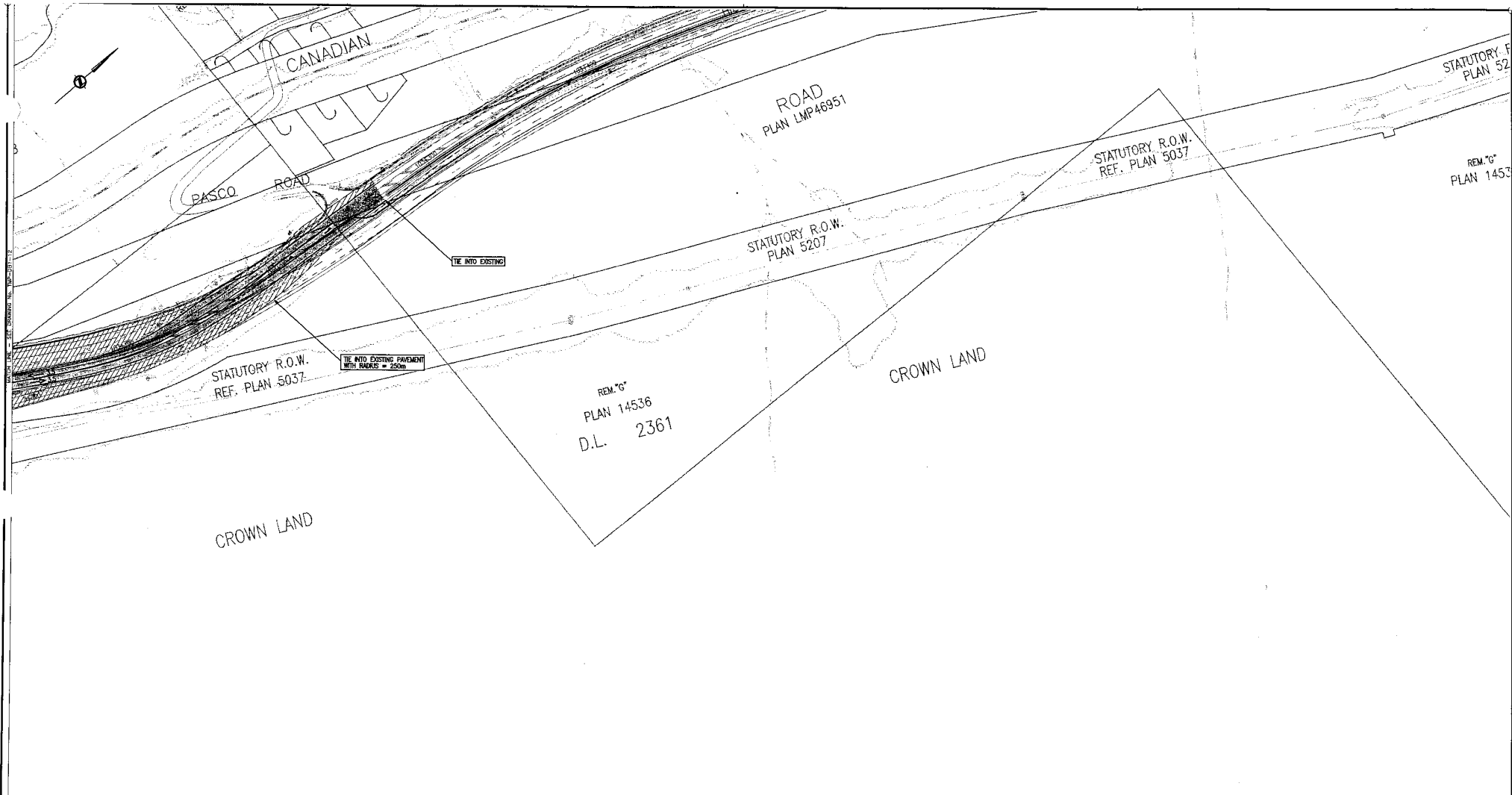
DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
STS-DB1 NORTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: D. LEUNG
SENIOR DESIGN ENGINEER: J. BOYD
DATE: 20 DEC 04
DRAWING No.: TMP-DB1-12

FILE No.: 2111-4003-0
PROJECT No.: 09901-ST53
REGION: 1

CANCEL PRINTS BEARING PREVIOUS LETTER



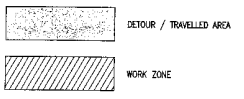
THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

- NOTES:**
1. TWO LANES TRAFFIC ON EXISTING ASPHALT.
 2. CONSTRUCT NEW RAMPS, ALIGNMENT & OVERPASS STRUCTURE.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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STAGING LEGEND



STAGE 1

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEHARD
REFERENCE DRAWINGS		REVISIONS			

SR S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: ALBESBART DATE: DEC. 2004
 CHECKED: ALKROZUCHAR DATE: DEC. 2004
 DRAWN: M. BENZON DATE: DEC. 2004
 APPROVED: J. KERRIS DATE: DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR STAGING
 STS-DB1 NORTH INTERCHANGE
 DB1 – HORSESHOE BAY TO SUNSET BEACH

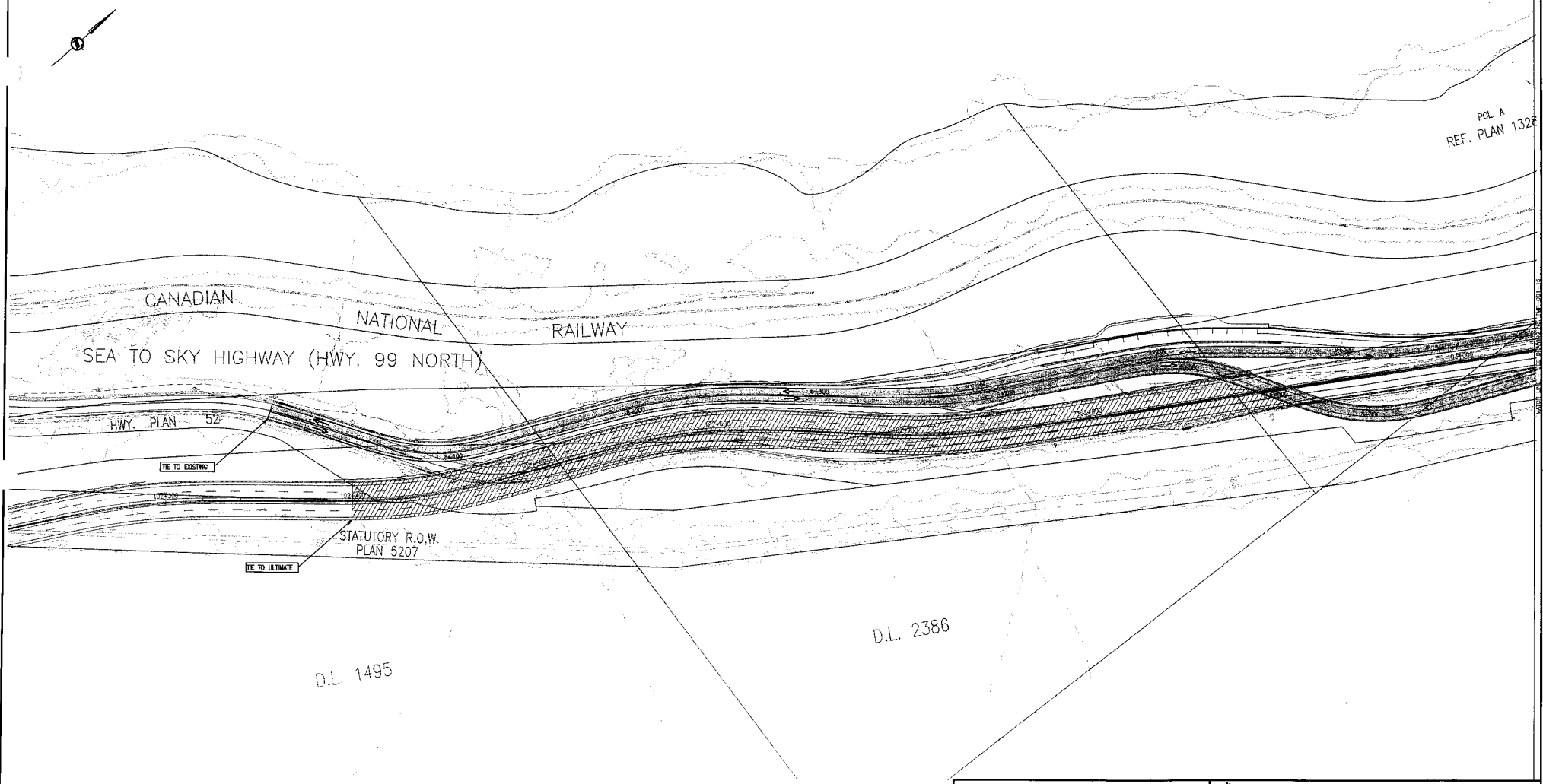
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER: 20 DEC 04
 DATE: 20 DEC 04

FILE No: 2111-4003-0
 PROJECT No: 09901-ST33
 REGION: 1
 DRAWING No: TMP-DB1-13 |PB

PCL A
REF. PLAN 132E



CANADIAN NATIONAL RAILWAY
SEA TO SKY HIGHWAY (HWY. 99 NORTH)

HWY. PLAN 52

TIE TO EXISTING

102+00

STATUTORY R.O.W.
PLAN 5207

TIE TO ULTIMATE

D.L. 2386

D.L. 1495

STAGE 2

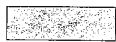

THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

NOTES:
1. DETOUR TRAFFIC TO COMPLETED RAMPS, OVERPASS & ALIGNMENT.
2. CONSTRUCT WALL No. 1023 & BRING L100 TO GRADE.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

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STAGING LEGEND

-  DETOUR / TRAVELLED AREA
-  WORK ZONE

SRS
S2S TRANSPORTATION GROUP

DESIGNED: SUBBARAO DATE DEC. 2004
CHECKED: MUKDZUCHIAN DATE DEC. 2004
DRAWN: W. BENZON DATE DEC. 2004
APPROVED: J. HENNES DATE DEC. 2004

SCALE: 0 1 : 1000 50m

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
STS-DB1 NORTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

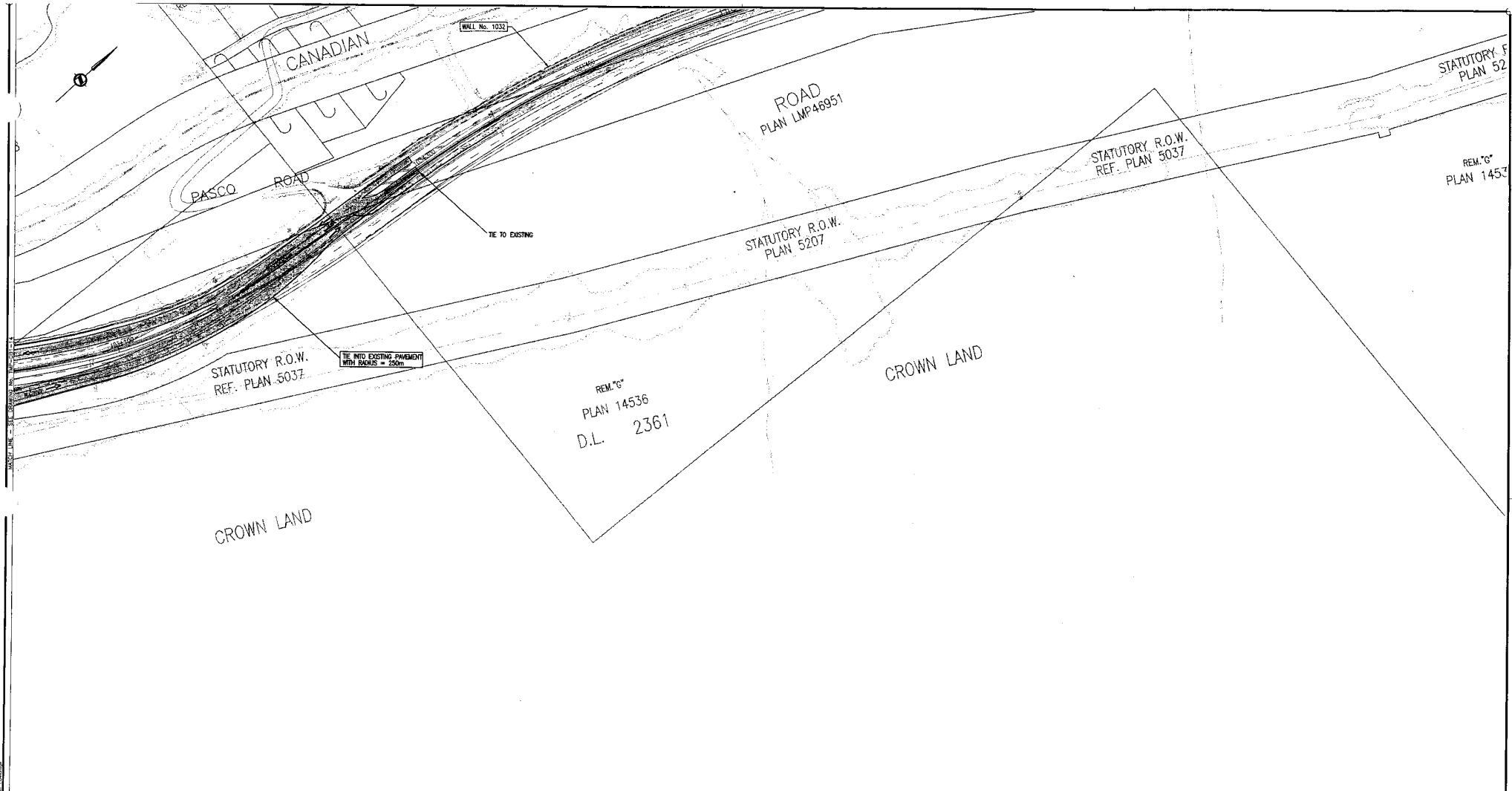
DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEARD
REFERENCE DRAWINGS					
REVISIONS					

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF: B. LEUNG
SENIOR DESIGN ENGINEER: J. B. SEC 04
DATE: _____ DRAWING No. _____

FILE No. 2111-40003-0
PROJECT No. 09901-ST53
REGION 1
DRAWING No. TMP-DB1-14

CANCEL PRINTS BEARING PREVIOUS LETTER



STATUTORY R.O.W.
REF. PLAN 5037

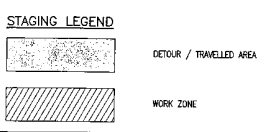
TIE INTO EXISTING PAVEMENT
WITH RADIUS = 250m

REM. 'G'
PLAN 14536
D.L. 2361

CROWN LAND

CROWN LAND

NOTES:
1. DETOUR TRAFFIC TO COMPLETED RAMPS, OVERPASS & ALIGNMENT.
2. CONSTRUCT WALL No. 1023 & BRING L100 TO GRADE.



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO FURTHER FIELD INVESTIGATION DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING UTILITIES IS COMPILED FROM SOME RECORD DRAWINGS AND SOME SURVEYS, AND MAY NOT BE COMPLETE OR FULLY ACCURATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXPOSE AND CONFIRM THE LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES AND ADVISE THE DESIGNER OF ANY POTENTIAL CONFLICTS.

THIS DRAWING AND DESIGN SHALL NOT BE USED, REPRODUCED OR PRODUCED WITHOUT THE CONSENT OF MCELHANEY ENGINEERING SERVICES LTD. MCELHANEY ENGINEERING SERVICES LTD. WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

STAGE 2

EWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD

S2S TRANSPORTATION GROUP

DESIGNED: R. BEDARD DATE DEC. 2004
 CHECKED: M. KOCZUMAR DATE DEC. 2004
 DRAWN: M. BENZON DATE DEC. 2004
 APPROVED: J. HOBBS DATE DEC. 2004

SCALE 0 1:1000 50m

REFERENCE DRAWINGS

REVISIONS

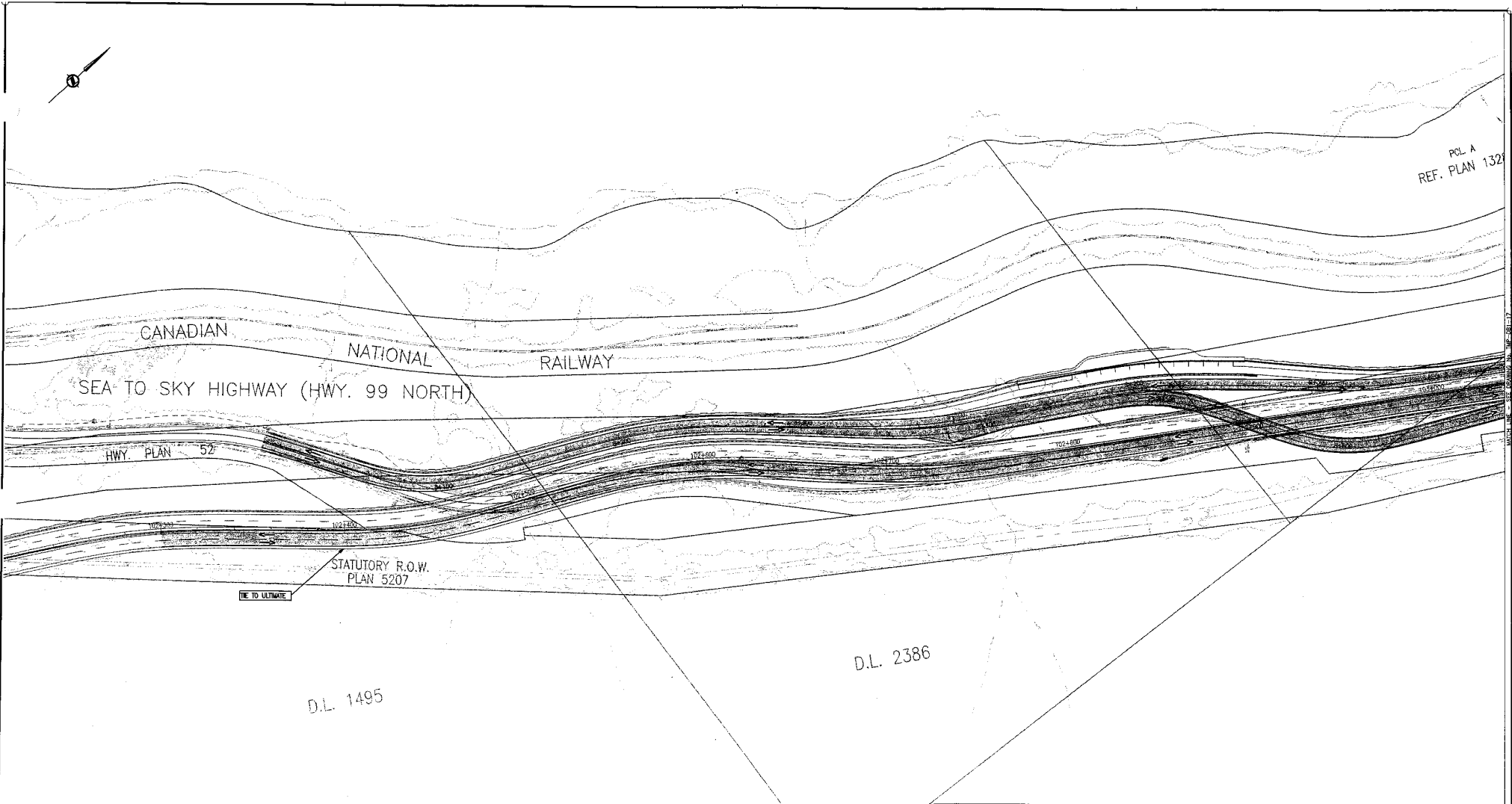
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
STS-DB1 NORTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhaneey

PREPARED UNDER THE DIRECTION OF
D. LEUNG
 SENIOR DESIGN ENGINEER
 DATE: 20 DEC 04
 PROJECT NO.: 09901-ST33 REGION: 1
 FILE No.: 2111-4003-0 DRAWING No.: TMP-DB1-15 [PB]

CANCEL PRINTS BEARING PREVIOUS LETTER



THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO RETIREMENT DURING THE FINAL DESIGN PROCESS AND ADAPTING TO FUTURE FIELD VARIATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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NOTES:

1. OPEN TWO LANES ON CONSTRUCTED L100 ON COMPLETION OF HORSESHOE BAY STAGE 2.

STAGING LEGEND

DETOUR / TRAVELLED AREA

STAGE 3

SRS
S2S TRANSPORTATION GROUP

DESIGNED: J. BEWARD DATE: DEC. 2004
 CHECKED: M. KOSZULICHAR DATE: DEC. 2004
 DRAWN: M. BENZON DATE: DEC. 2004
 APPROVED: S. HOBBS DATE: DEC. 2004

SCALE: 0 1 : 1000 50m

Rev	Date	Description	Signature
PS	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEWARD

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SUGGESTED DETOUR STAGING
STS-DB1 NORTH INTERCHANGE
DB1 - HORSESHOE BAY TO SUNSET BEACH

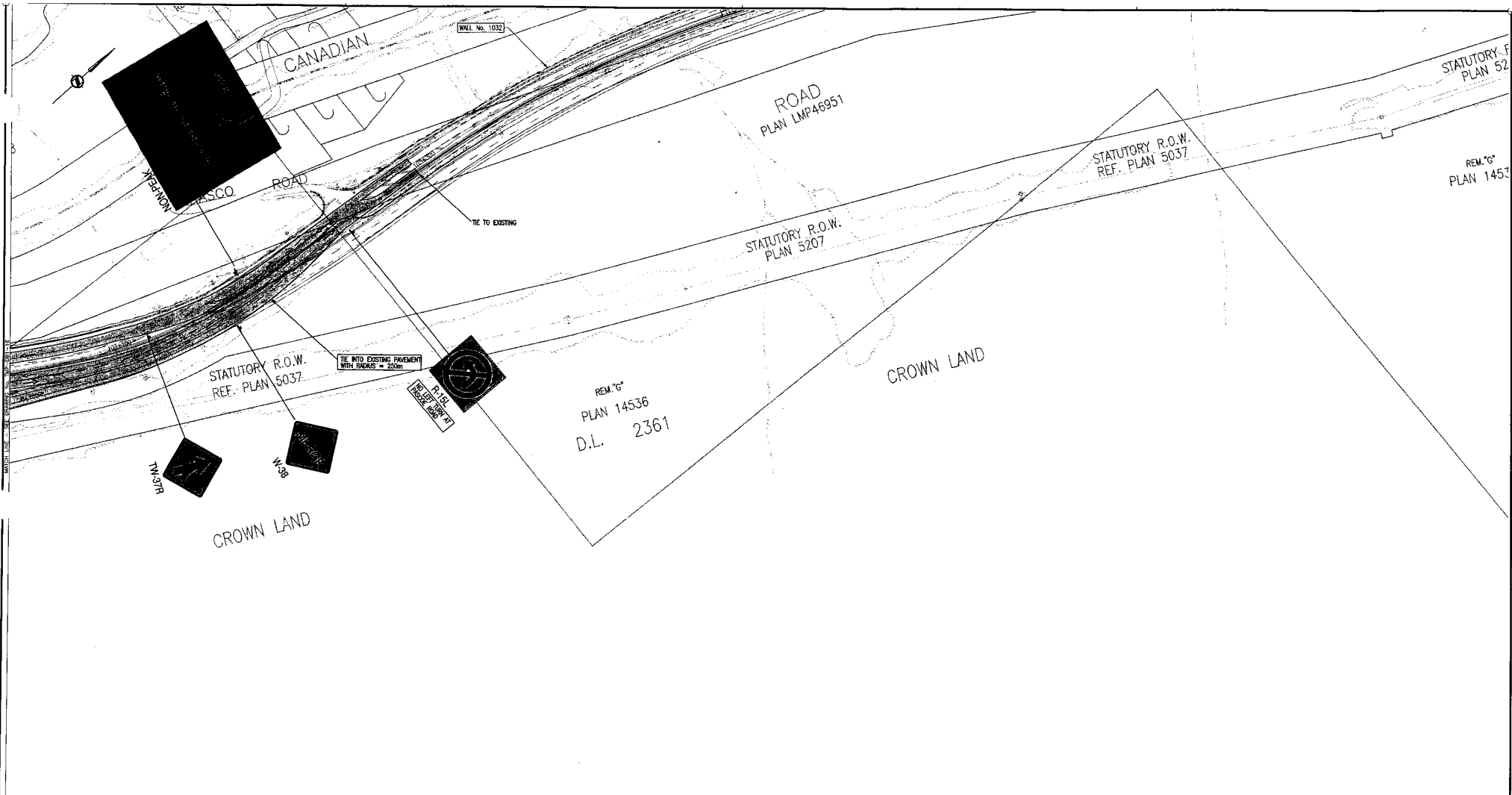
Project Managers: Hatch Mott MacDonald
 Design Consultant: McElhanney

PREPARED UNDER THE DIRECTION OF: D. LEUNG
 SENIOR DESIGN ENGINEER
 DATE: 20 DEC 04
 DRAWING No.: 2111-40003-0
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: TMP-DB1-16

EWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS




THIS DESIGN HAS BEEN DEVELOPED FOR A COMPETITIVE PROPOSAL PROCESS AND IS BASED UPON LIMITED INFORMATION. THE DESIGN IS PRELIMINARY AND SUBJECT TO REFINEMENT DURING THE DETAILED DESIGN PROCESS AND ADAPTING TO FURTHER FIELD INFORMATION FROM SURVEY AND GEOTECHNICAL INVESTIGATION.

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NOTES:
 1. OPEN TWO LANES ON CONSTRUCTED L100 UPON COMPLETION OF HORSESHOE BAY STAGE 2.

STAGING LEGEND
 DETOUR / TRAVELLED AREA

STAGE 3

DWG. No.	Description	Rev	Date	Description	Signature
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	R. BEDARD
REFERENCE DRAWINGS					
REVISIONS					

SKS
S2S TRANSPORTATION GROUP

SCALE 0 1 : 1000 50m

DESIGNED: R. BEDARD DATE DEC. 2004
 CHECKED: M. KOSZULICHAK DATE DEC. 2004
 DRAWN: M. BENZON DATE DEC. 2004
 APPROVED: J. HERRIS DATE DEC. 2004

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SUGGESTED DETOUR STAGING
 STS-DB1 NORTH INTERCHANGE
 DB1 - HORSESHOE BAY TO SUNSET BEACH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **McElhanney**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER: D. LEUNG
 DATE: 30 DEC 04
 PROJECT No: 09901-ST53 REGION: 1 DRAWING No: TMP-DB1-17 | PB

FILE No: 2111-40003-0



BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

PROJECT No. 09901-ST53

Section DB3

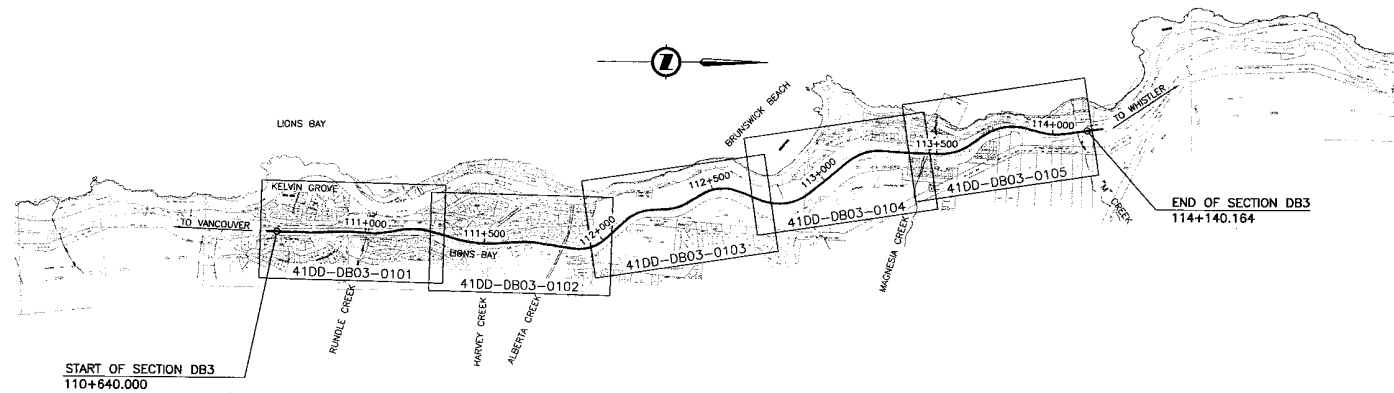
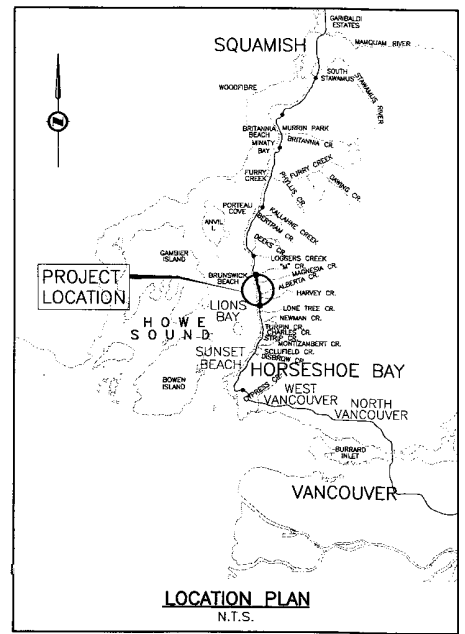
Lions Bay to "M" Creek

STA. 110+640.000 TO STA. 114+140.164

3.50 km

DRAWING INDEX

41DD-DB03-0001	PA	KEY MAP & TITLE	
41DD-DB03-0002	PA	SUPPLEMENTARY LEGEND	
41DD-DB03-0101	PB	PLAN	STA 110+640.000 TO STA 111+300.000
41DD-DB03-0102	PB	PLAN	STA 111+300.000 TO STA 112+000.000
41DD-DB03-0103	PB	PLAN	STA 112+000.000 TO STA 112+700.000
41DD-DB03-0104	PB	PLAN	STA 112+700.000 TO STA 113+400.000
41DD-DB03-0105	PB	PLAN	STA 113+400.000 TO STA 114+140.164
41DD-DB03-0201	PB	PROFILE L-100	STA 110+640.000 TO STA 112+000.000
41DD-DB03-0202	PB	PROFILE L-100	STA 112+000.000 TO STA 113+150.000
41DD-DB03-0203	PB	PROFILE L-100	STA 112+700.000 TO STA 113+400.000
41DD-DB03-0204	PB	PROFILE L-1, L-2, L-3	
41DD-DB03-0205	PB	PROFILE L-10	
41DD-DB03-0206	PB	PROFILE L-5, L-6	
41DD-DB03-0301	PA	TYPICAL SECTIONS AND DETAILS	
41DD-DB03-0302	PA	TYPICAL SECTIONS AND DETAILS	
41DD-DB03-0401	PA	GEOMETRICS AND LANING	STA 110+640.000 TO STA 111+300.000
41DD-DB03-0402	PA	GEOMETRICS AND LANING	STA 111+300.000 TO STA 112+000.000
41DD-DB03-0403	PA	GEOMETRICS AND LANING	STA 112+000.000 TO STA 112+700.000
41DD-DB03-0404	PA	GEOMETRICS AND LANING	STA 112+700.000 TO STA 113+400.000
41DD-DB03-0405	PA	GEOMETRICS AND LANING	STA 113+400.000 TO STA 114+140.164
41DD-DB03-0501	PA	INTERCHANGES	KELVIN GROVE
41DD-DB03-0502	PA	INTERCHANGES	BRUNSWICK BEACH
41DD-DB03-0503	PA	INTERCHANGES	BRUNSWICK BEACH



KEY PLAN
0 1:10,000 500

DESIGNED ST DATE 04/09/10 CHECKED ZS DATE 04/17/10 DRAWN PJ DATE 04/29/10 APPROVED DATE		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER KEY MAP & TITLE DB3 - LIONS BAY TO "M" CREEK STA 110+640 TO STA 114+140.164																		
SCALE		Project Manager 	Design Consultant 																	
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>PA</td> <td>04/17/10</td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td></td> <td></td> <td>PB</td> <td>05/01/10</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature			PA	04/17/10	ISSUED FOR REVIEW				PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.
DWG. No.	Description	Rev	Date	Description	Signature															
		PA	04/17/10	ISSUED FOR REVIEW																
		PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION																
REFERENCE DRAWINGS		REVISIONS																		
FILE No. 214753-EN10-H		PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB03-0001 PB																		

SUPPLEMENTARY LEGEND

PROPOSED





UTILITY RELOCATION

Pole Relocation 

CONSTRUCTION DETAILS LINETYPES

Trail 

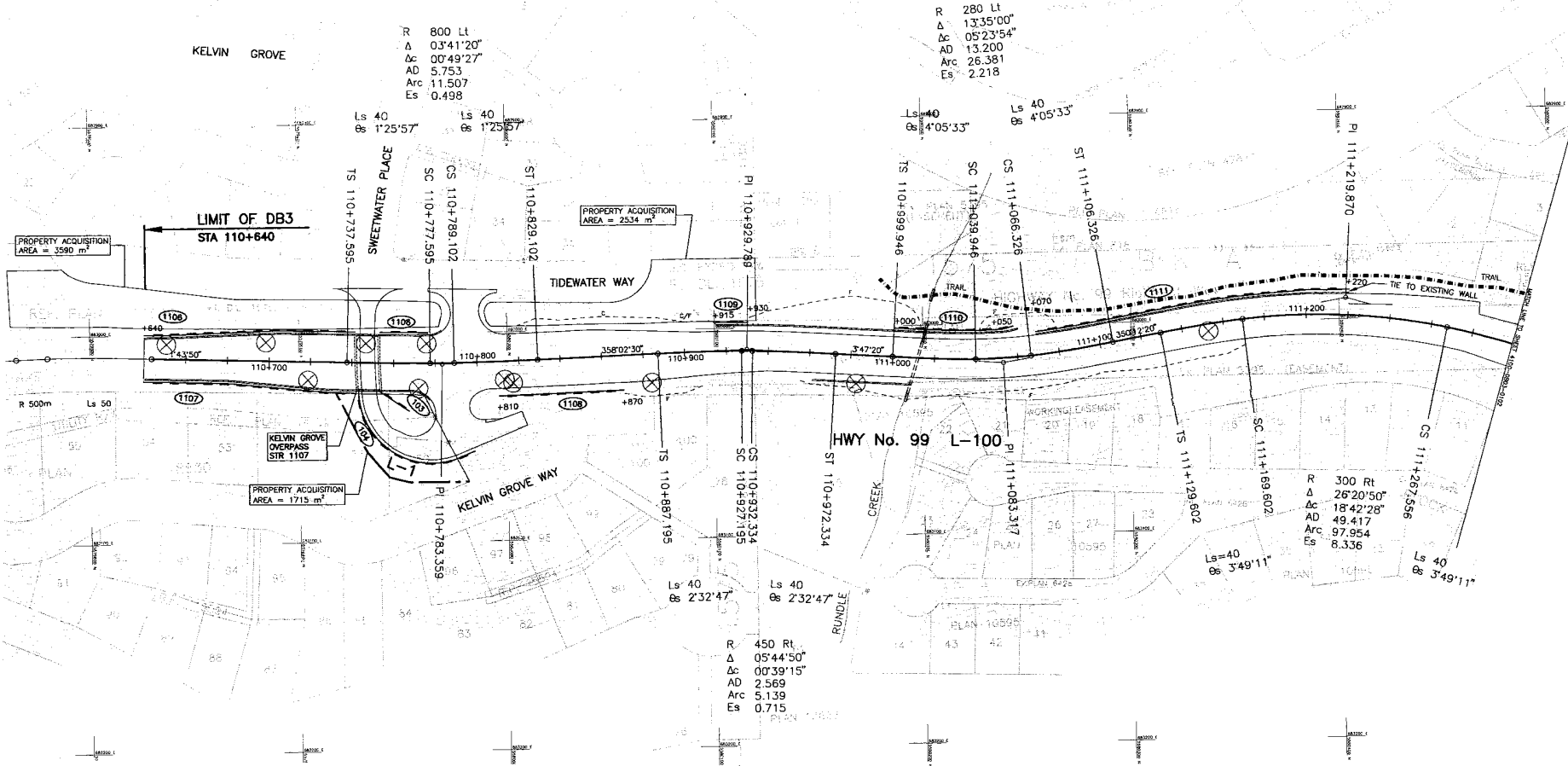
Retaining Wall Number 

 S2S Transportation Group		 MINISTRY OF TRANSPORTATION	
DESIGNED <u>SJT</u> DATE <u>04/25/08</u> CHECKED <u>JS</u> DATE <u>04/11/08</u> DRAWN <u>SJT</u> DATE <u>04/23/08</u> APPROVED _____ DATE _____		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE N/A		DBFO – HORSESHOE BAY TO WHISTLER SUPPLEMENTARY LEGEND	
		DB3 – LIONS BAY TO "M" CREEK	
Project Managers 		Design Consultant 	
PREPARED UNDER THE DIRECTION OF		SENIOR DESIGN ENGINEER	
FILE NO. 214753-EN10-H		PROJECT NO. 09901-ST53	
REGION 1		DRAWING NO. 41DD-DB03-0002 PB	

DWG. No.	Description	Rev.	Date	Description	Signature
		PA	04/11/08	ISSUED FOR REVIEW	
		PB	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS



R 800 Lt
 Δ 03'41'20"
 Δc 00'49'27"
 AD 5.753
 Arc 11.507
 Es 0.498

R 280 Lt
 Δ 13'35'00"
 Δc 05'23'54"
 AD 13.200
 Arc 26.381
 Es 2.218

Ls 40
 Θ 1'25'57"

Ls 40
 Θ 1'25'57"

Ls 40
 Θ 4'05'33"

Ls 40
 Θ 4'05'33"

PROPERTY ACQUISITION
 AREA = 3590 m²

LIMIT OF DB3
 STA 110+640

PROPERTY ACQUISITION
 AREA = 2534 m²

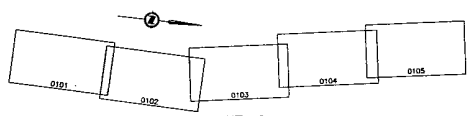
PROPERTY ACQUISITION
 AREA = 1715 m²

R 300 Rt
 Δ 26'20'50"
 Δc 18'42'28"
 AD 49.417
 Arc 97.954
 Es 8.336

Ls 40
 Θ 2'32'47"

Ls 40
 Θ 2'32'47"

R 450 Rt
 Δ 05'44'50"
 Δc 00'39'15"
 AD 2.569
 Arc 5.139
 Es 0.715



KEY PLAN

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SJT DATE: 04/02/20
 CHECKED: JS DATE: 04/11/04
 DRAWN: SJT DATE: 04/02/20
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB3 - LIONS BAY TO "M" CREEK
 STA 110+640 TO STA 111+300

Rev	Date	Description	Signature
PA	04/08/17	ISSUED FOR REVIEW	
PB	04/11/20	RE-ISSUED FOR REVIEW	
PC	05/01/20	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

Project Managers: **Hatch Mott MacDonald**

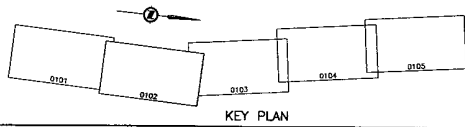
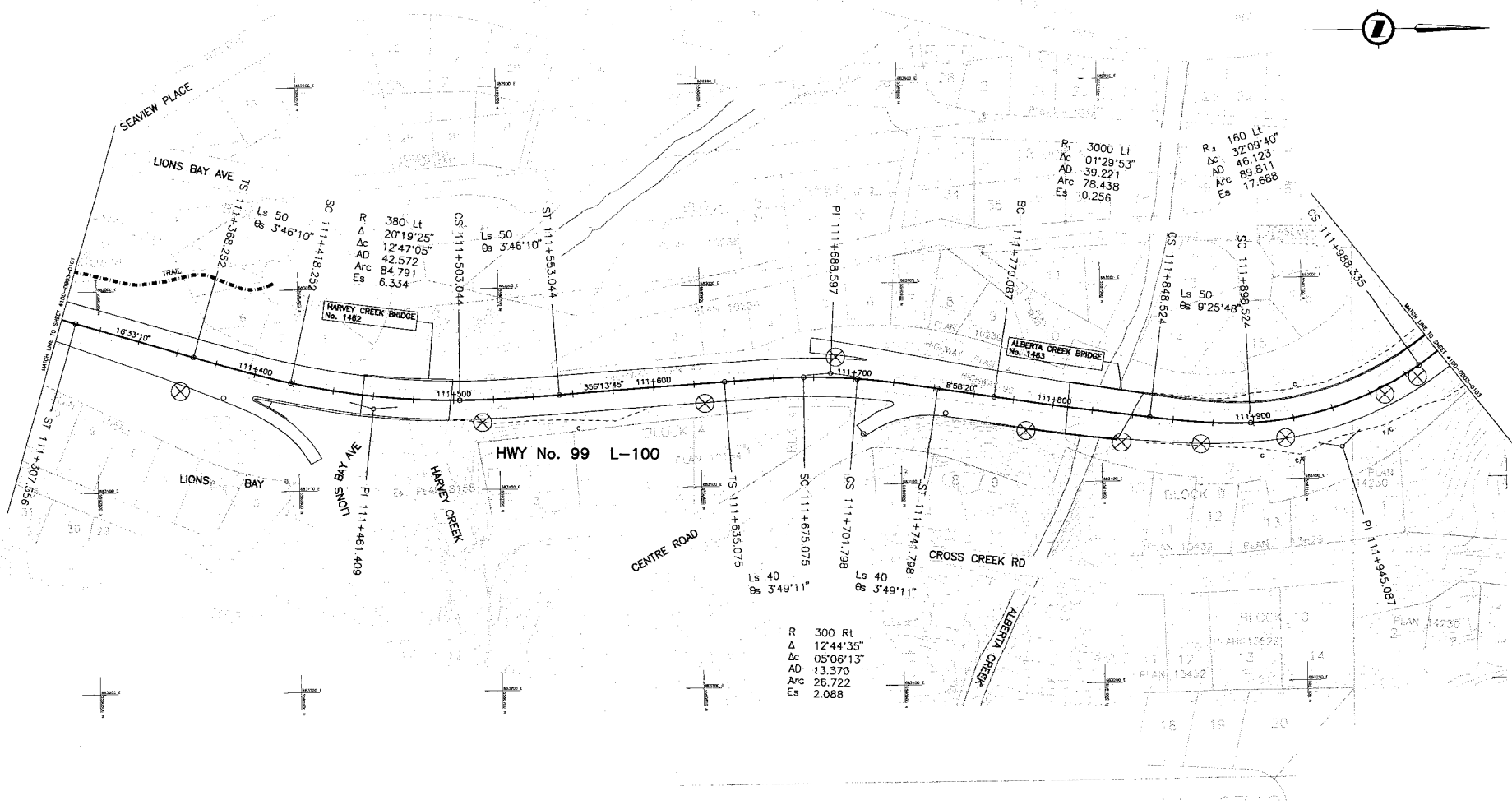
Design Consultant: **Hatch Mott MacDonald**

SENIOR DESIGN ENGINEER: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF: **Hatch Mott MacDonald**

DATE: _____

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REVISION 1 DRAWING No. 41DD-DB03-0101 PC



S2S TRANSPORTATION GROUP

DESIGNED: SUT DATE: 04/02/20
 CHECKED: JS DATE: 04/11/04
 DRAWN: SUT DATE: 04/02/20
 APPROVED: DATE:

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB3 - LIONS BAY TO "M" CREEK
 STA 111+300 TO STA 112+000

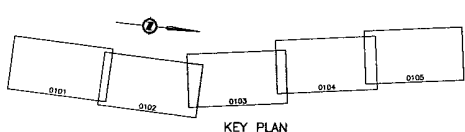
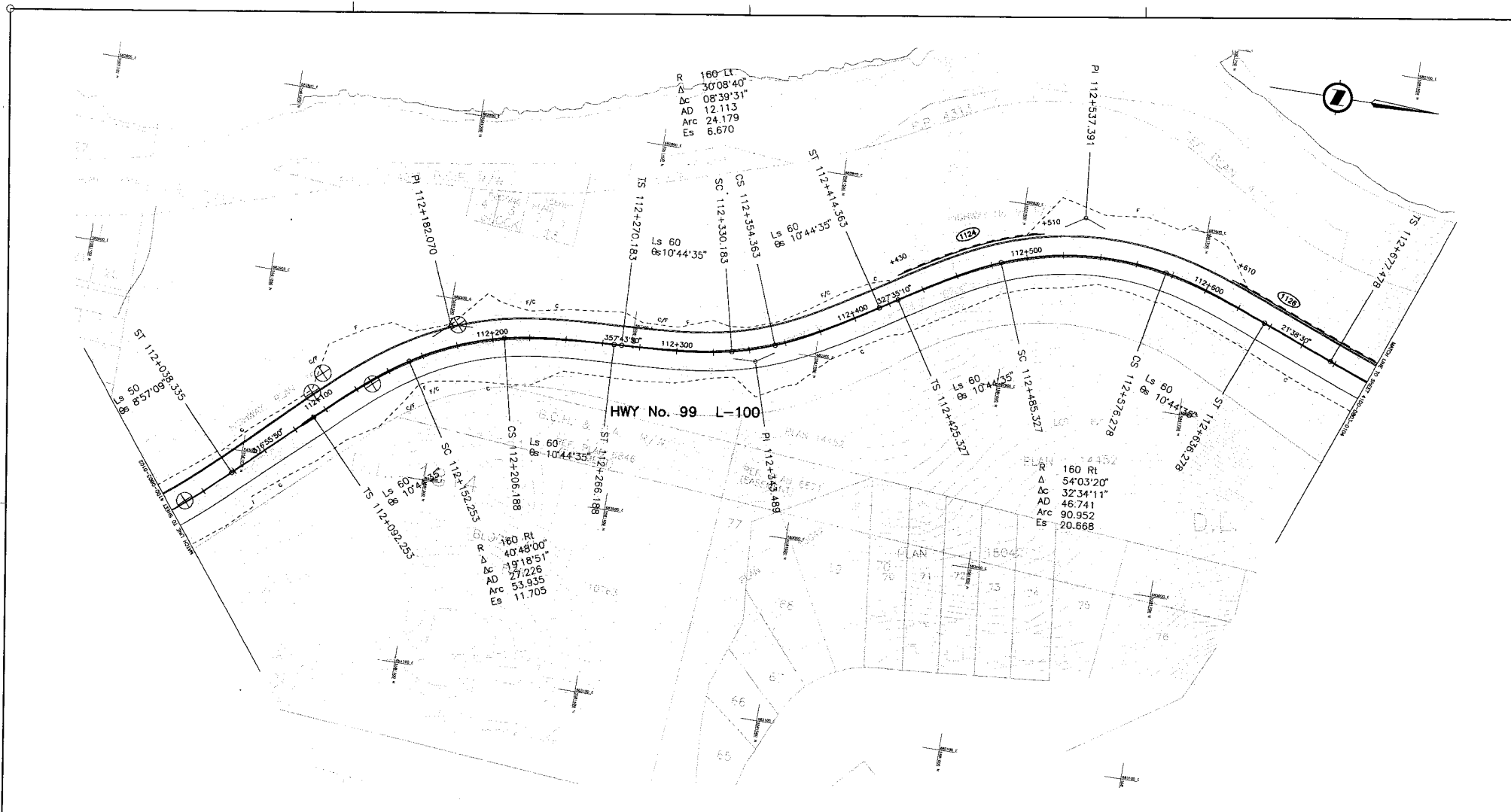
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		PB	04/11/20	RE-ISSUED FOR REVIEW	
		PC	05/01/20	ISSUED FOR PROPOSAL SUBMISSION	

Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No.: 214573-EN10-H
 PROJECT No.: 09901-ST3S
 REGION: 1
 DRAWING No.: 41DD-DB03-0102 PC

REFERENCE DRAWINGS REVISIONS



DWG. No.	Description	Rev	Date	Description	Signature
		PA	04/08/17	ISSUED FOR REVIEW	
		FR	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS		REVISIONS			

SRS
S2S
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SUT DATE: 04/27/29
 CHECKED: ZS DATE: 04/11/24
 DRAWN: SUT DATE: 04/27/29
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

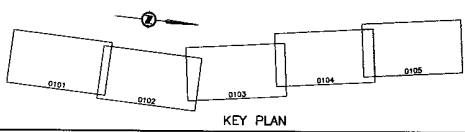
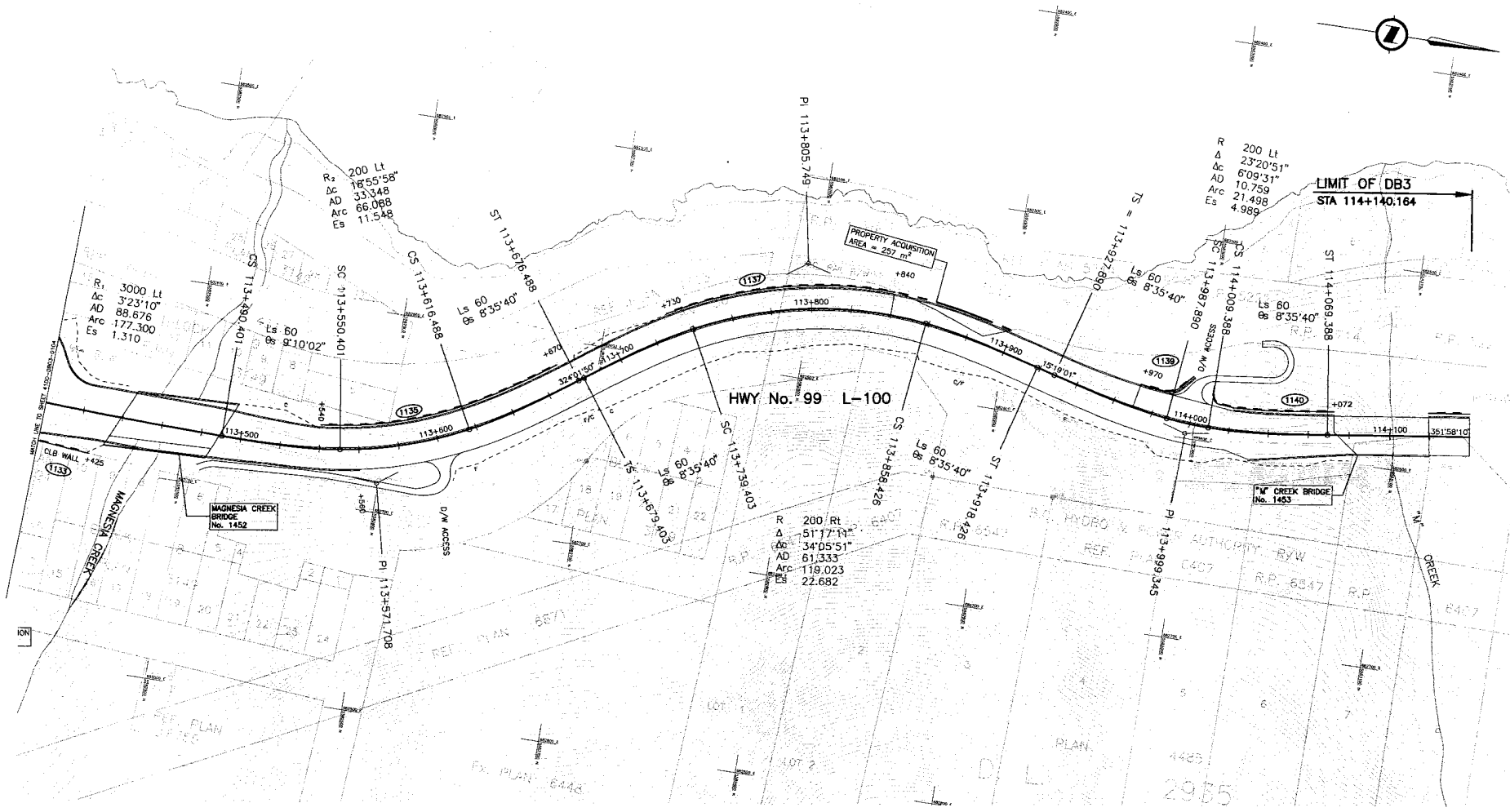
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB3 - LIONS BAY TO "M" CREEK
STA 112+000 TO STA 112+700

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF:
SENIOR DESIGN ENGINEER
DATE: DRAWING NO.:

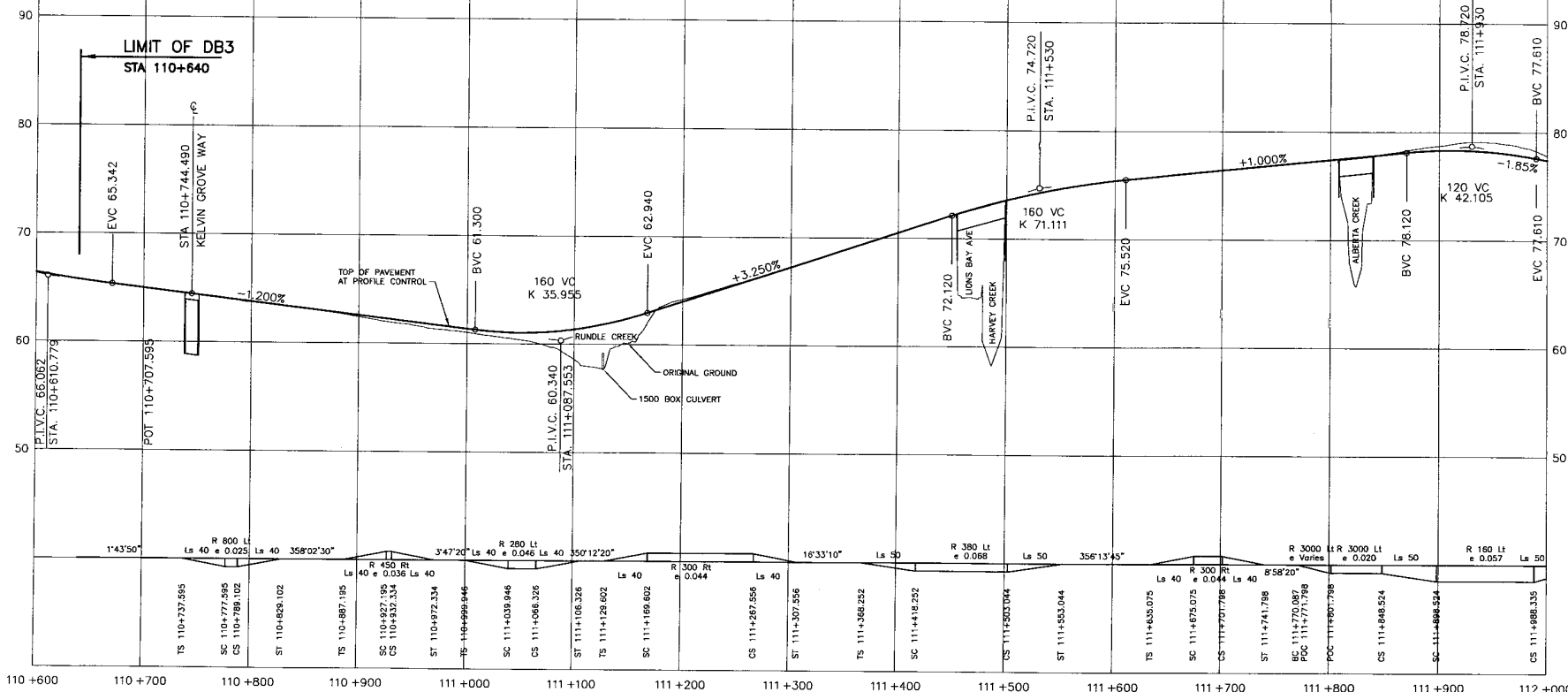
FILE NO. PROJECT NO. REGION DRAWING NO.
214753-EN10-H 09901-ST53 1 41DD-DB03-0103/PC



	DESIGNED: <u>SJT</u> DATE: <u>04/07/20</u> CHECKED: <u>ZS</u> DATE: <u>04/21/04</u> DRAWN: <u>SJT</u> DATE: <u>04/07/20</u> APPROVED: _____ DATE: _____		 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB3 - LIONS BAY TO "M" CREEK STA 113+400 TO STA 114+140.164	 PROJECT No. 09901-ST3 REGION 1 DRAWING No. 4100-DB03-0105 PC																															
	SCALE 0 1:1000 30	PROJECT Manager Design Consultant SENIOR DESIGN ENGINEER			PREPARED UNDER THE DIRECTION OF DATE																														
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA 04/08/17</td> <td>ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PB 04/11/20</td> <td>RE-ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PC 05/01/20</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev.	Date	Description	Signature	PA 04/08/17	ISSUED FOR REVIEW					PB 04/11/20	RE-ISSUED FOR REVIEW					PC 05/01/20	ISSUED FOR PROPOSAL SUBMISSION					<table border="1"> <thead> <tr> <th>FILE No.</th> <th>PROJECT No.</th> <th>REGION</th> <th>DRAWING No.</th> </tr> </thead> <tbody> <tr> <td>214753-EN10-H</td> <td>09901-ST3</td> <td>1</td> <td>4100-DB03-0105 PC</td> </tr> </tbody> </table>		FILE No.	PROJECT No.	REGION	DRAWING No.	214753-EN10-H	09901-ST3	1	4100-DB03-0105 PC
DWG. No.	Description	Rev.	Date	Description	Signature																														
PA 04/08/17	ISSUED FOR REVIEW																																		
PB 04/11/20	RE-ISSUED FOR REVIEW																																		
PC 05/01/20	ISSUED FOR PROPOSAL SUBMISSION																																		
FILE No.	PROJECT No.	REGION	DRAWING No.																																
214753-EN10-H	09901-ST3	1	4100-DB03-0105 PC																																

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³

NOTE:
1. Elevations shown are Finished Grade.



FOR CONTINUATION SEE DWG A100-0603-0202

DESIGN SPEED 60 km/h

S2S TRANSPORTATION GROUP

SCALE: 0 Horiz 1:2000 100
0 Vert 1:200

DESIGNED: Sjt DATE: 04/27/20
CHECKED: ZS DATE: 04/21/24
DRAWN: Sjt DATE: 04/27/20
APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
HIGHWAY 99 L-100
DB3 - LIONS BAY TO "M" CREEK
STA 110+640 TO STA 112+000

Project Manager: Hatch Mott MacDonald
Design Consultant

PREPARED UNDER THE DIRECTION OF:
SENIOR DESIGN ENGINEER
DATE: _____
DRAWING NO. _____

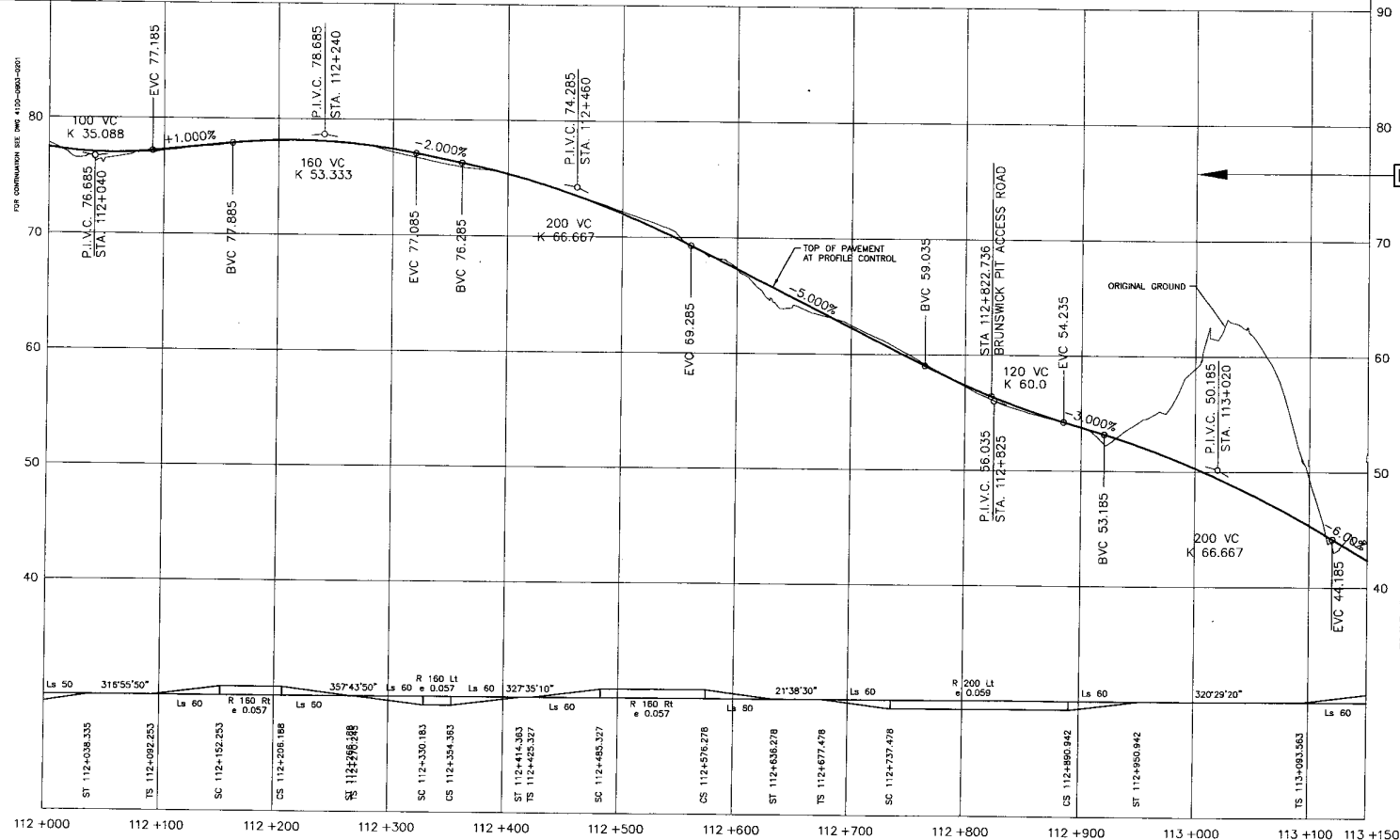
FILE NO. 214753-EN10-H PROJECT No. 09901-ST33 REGION 1 DRAWING No. 41DD-DB03-0201 PC

DWG. No.	Description	Rev	Date	Description	Signature
PA	04/06/17 ISSUED FOR REVIEW				
PB	04/11/20 RE-ISSUED FOR REVIEW				
PC	05/01/20 ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS

REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 70 km/h

DESIGN SPEED 60 km/h

S2S TRANSPORTATION GROUP

SCALE: Horizontal 1:2000, Vertical 1:200

DESIGNED: SJT, DATE 04/07/20
CHECKED: JS, DATE 04/11/04
DRAWN: SJT, DATE 04/07/20
APPROVED: _____, DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
HIGHWAY 99 L-100
DB3 - LIONS BAY TO "M" CREEK
STA 112+000 TO STA 113+150

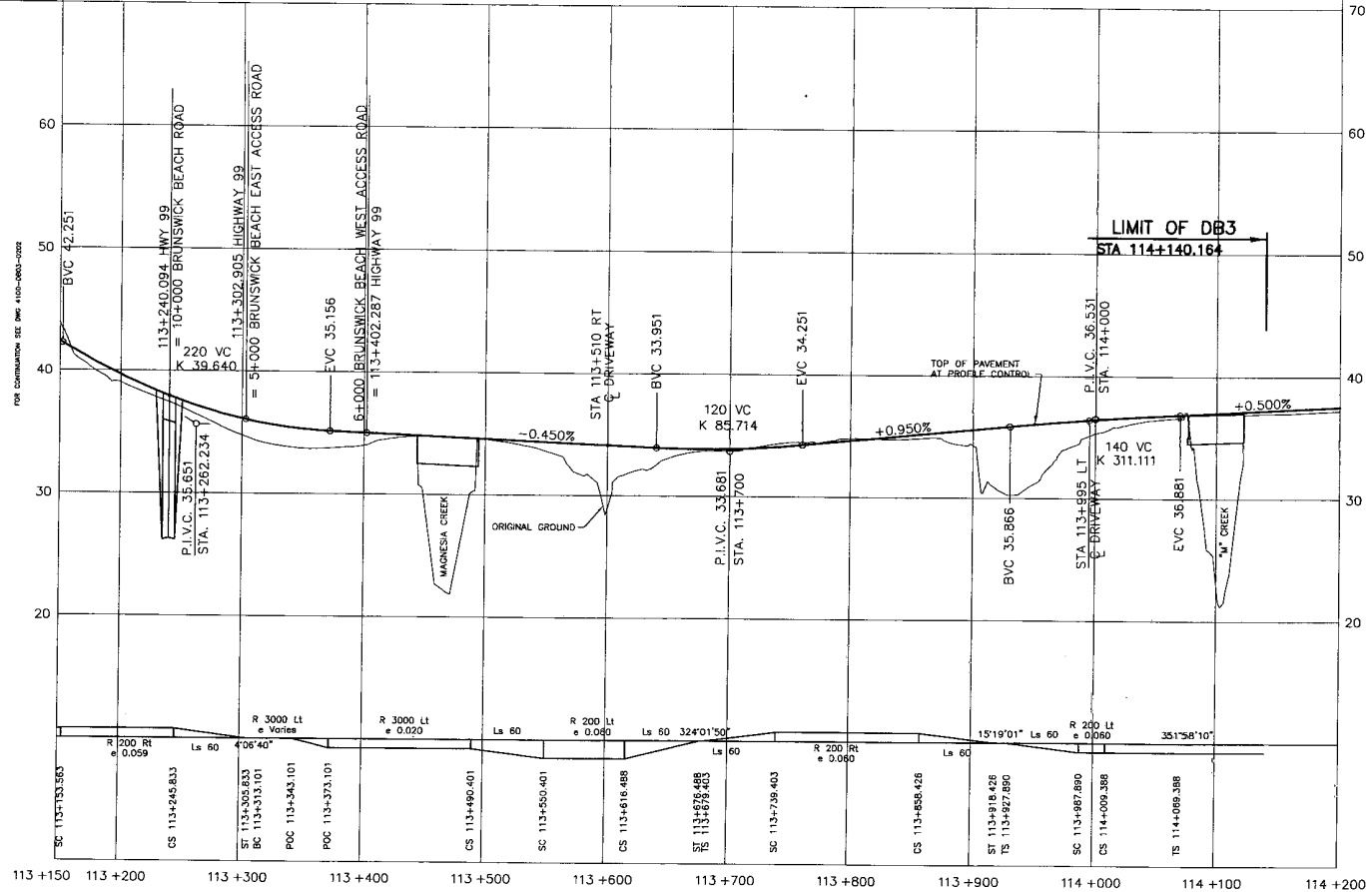
Project Managers: Hatch Mott MacDonald
Design Consultant: _____
PREPARED UNDER THE DIRECTION OF: _____
SENIOR DESIGN ENGINEER: _____
DATE: _____
DRAWING No: 41DD-DB03-0202/PC

DWG. No.	Description	Rev	Date	Description	Signature
PA 04/08/17	ISSUED FOR REVIEW				
PB 04/11/20	RE-ISSUED FOR REVIEW				
PC 05/01/20	ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS REVISIONS

HATCH MOTT MACDONALD

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 70 km/h

S2S TRANSPORTATION GROUP

0 Horiz. 1:2000 100
SCALE 0 Vert. 1:200 TO 0

DESIGNED JSJ DATE 04/27/20
CHECKED JS DATE 04/21/20
DRAWN JSJ DATE 04/27/20
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
HIGHWAY 99 L-100
DB3 - LIONS BAY TO "M" CREEK
STA 113+150 TO STA 114+140.164

DWG. No.	Description	Rev	Date	Description	Signature
		PA	04/08/20	ISSUED FOR REVIEW	
		PI	04/11/20	RE-ISSUED FOR REVIEW	
		PC	05/01/20	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

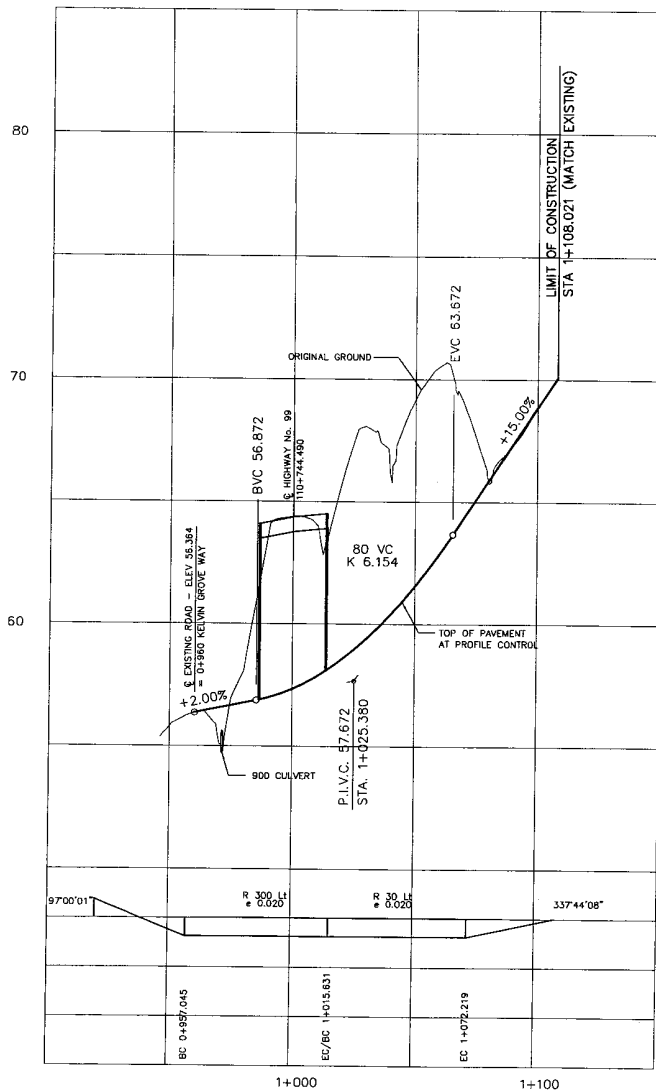
Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF:
SENIOR DESIGN ENGINEER

DATE: _____

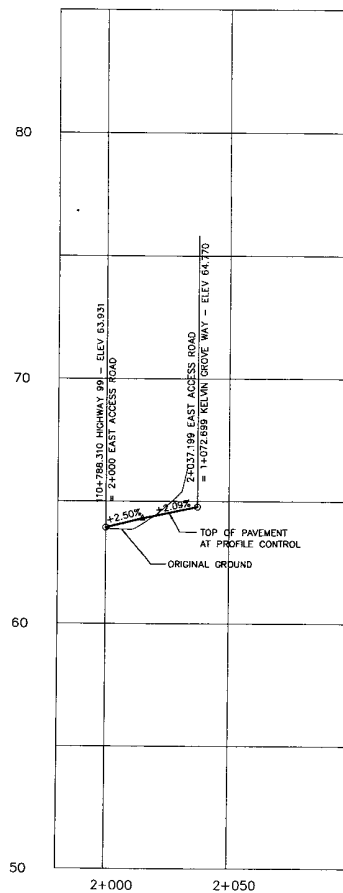
FILE No. **214753-EN10-H** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **4100-DB03-0203/PC**

REFERENCE DRAWINGS REVISIONS

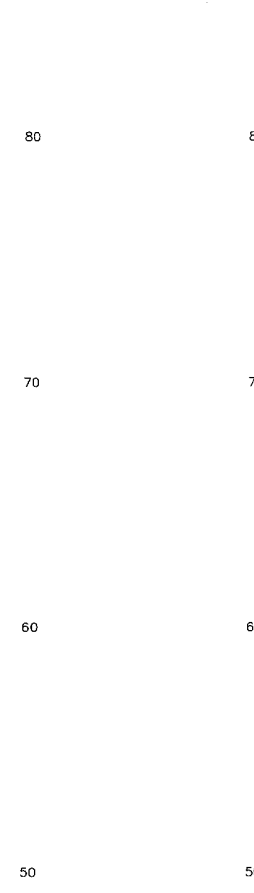


KELVIN GROVE WAY

DESIGN SPEED 30 km/h



EAST ACCESS ROAD



WEST ACCESS ROAD

NOTE:
1. Elevations shown are Finished Grade.

S2S TRANSPORTATION GROUP
 SCALE 0 Horiz. 1:1000 50
 0 Vert. 1:100 5
 DESIGNED: SJT DATE 04/08/10
 CHECKED: ZS DATE 04/11/10
 DRAWN: SJT DATE 04/08/10
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 KELVIN GROVE ACCESS ROADS L-1, L-2, L-3
 DB3 - LIONS BAY TO "M" CREEK

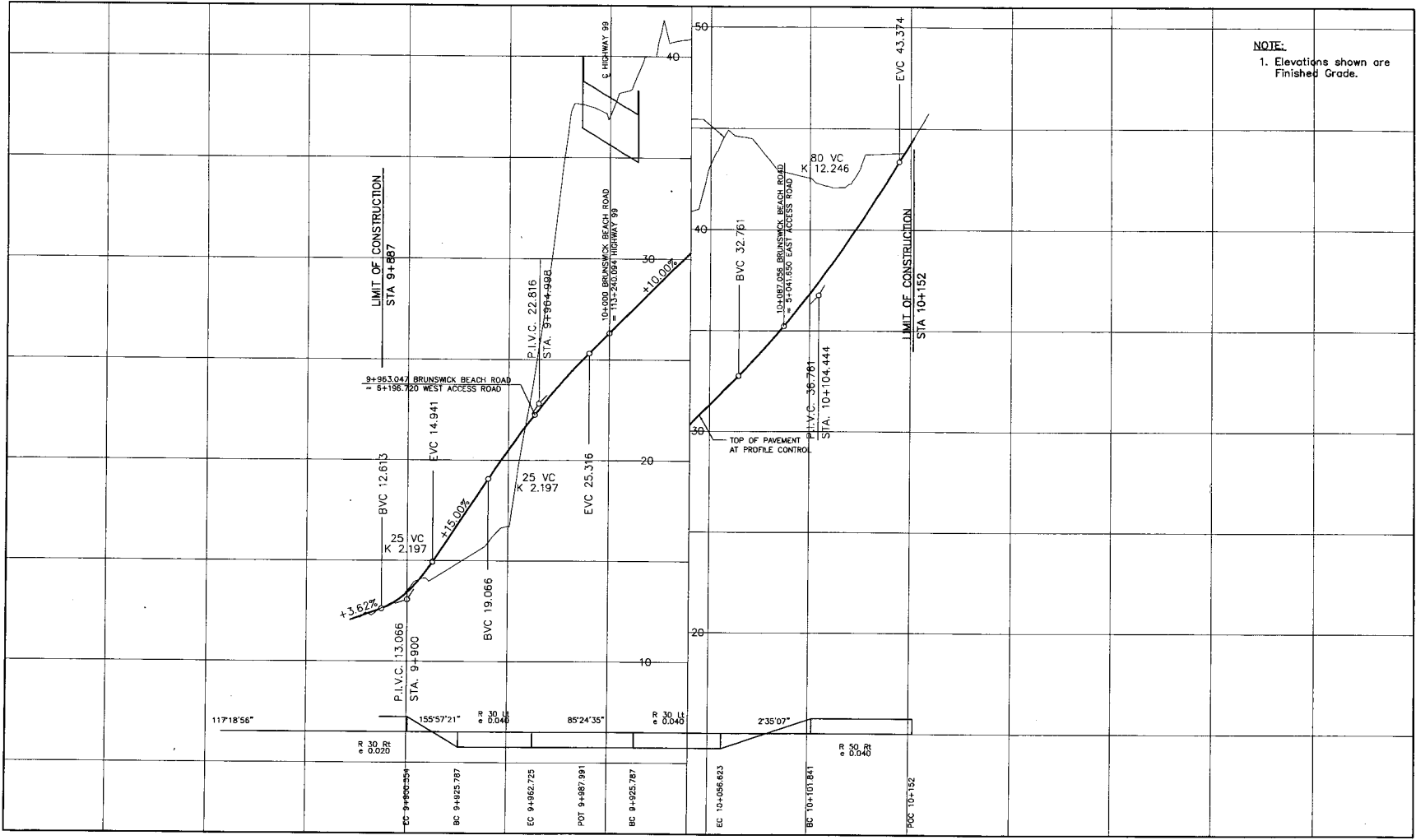
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PA	ISSUED FOR REVIEW		04/08/10		
PB	RE-ISSUED FOR REVIEW		04/11/10		
PC	ISSUED FOR PROPOSAL SUBMISSION		05/01/10		

Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: Hatch Mott MacDonald
 SENIOR DESIGN ENGINEER: _____
 DATE: _____
 FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB03-0204 PC

REFERENCE DRAWINGS

REVISIONS

40
30
20
10



NOTE:
1. Elevations shown are Finished Grade.

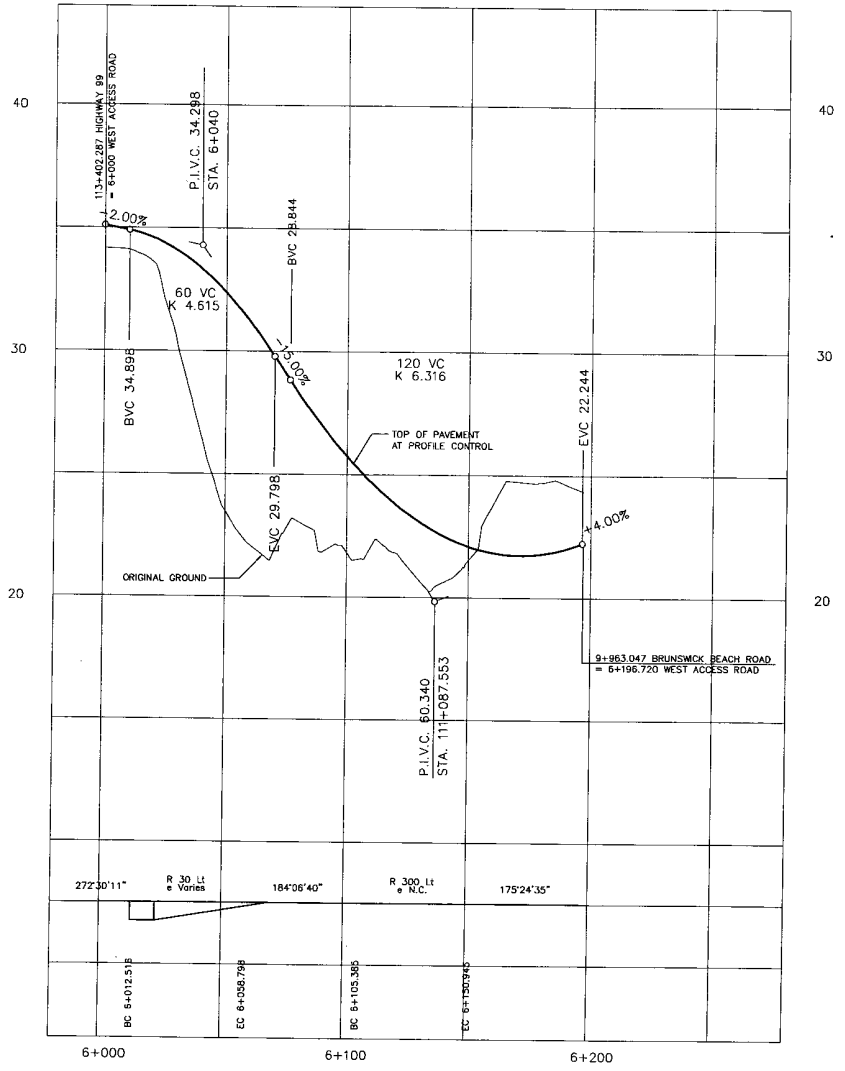
9+800 9+900 10+000 10+100 10+200

DESIGN SPEED 30 km/h

TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE: Horiz. 1:1000, Vert. 1:100		DBFO - HORSESHOE BAY TO WHISTLER PROFILE BRUNSWICK BEACH ROAD L-10 DB3 - LIONS BAY TO "M" CREEK STA 9+887 TO STA 10+152	
DESIGNED: SJT CHECKED: JS DRAWN: SJT APPROVED:	DATE: 04/26/10 DATE: 04/21/10 DATE: 04/28/10 DATE:	Project Managers 	Design Consultant
Rev. Date Description Signature	PA 24/08/17 ISSUED FOR REVIEW PB 04/11/25 RE-ISSUED FOR REVIEW PC 05/01/10 ISSUED FOR PROPOSAL SUBMISSION		
REFERENCE DRAWINGS		REVISIONS	

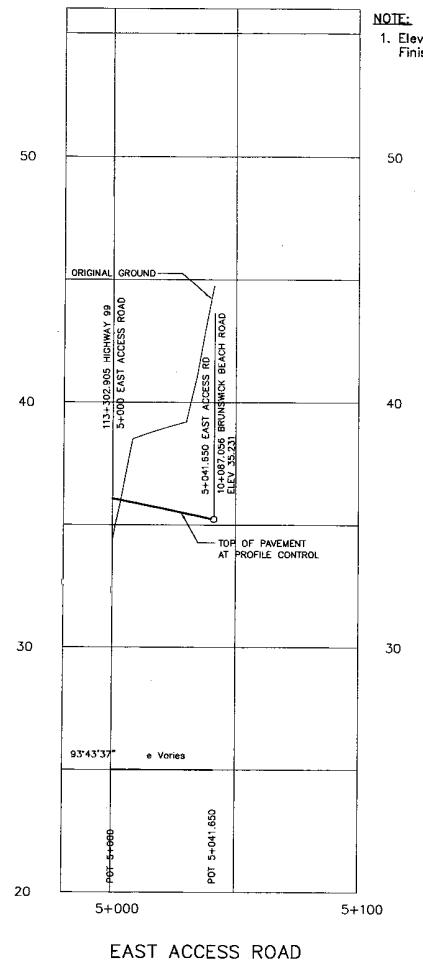
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE:	FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1	DRAWING No. 4100-DB03-0205/PC
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DRAWN DATE: 04/28/10



WEST ACCESS ROAD

DESIGN SPEED 30 km/h



EAST ACCESS ROAD

NOTE:
1. Elevations shown are Finished Grade.

	DESIGNED	BY	DATE
	CHECKED	BY	DATE
	DRAWN	BY	DATE
	APPROVED	BY	DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 BRUNSWICK BEACH EAST AND WEST ACCESS L-5, L-6
 DB3 - LIONS BAY TO "M" CREEK

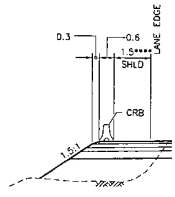
DWG. No.	Description	Rev.	Date	Description	Signature
		FA	04/08/17	ISSUED FOR REVIEW	
		PB	04/11/22	RE-ISSUED FOR REVIEW	
		PC	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

 Project Managers	 Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-H	PROJECT No. 06901-ST53	REGION 1
DRAWING No. 41DD-DB03-0206		PC

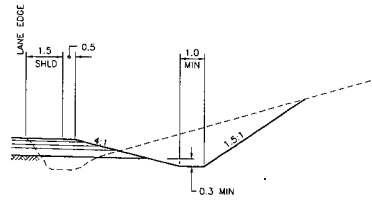
REFERENCE DRAWINGS

REVISIONS

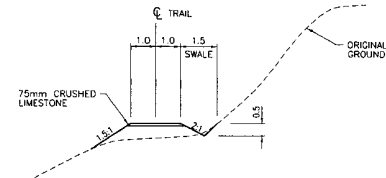
HWY 9040 FILE NO.



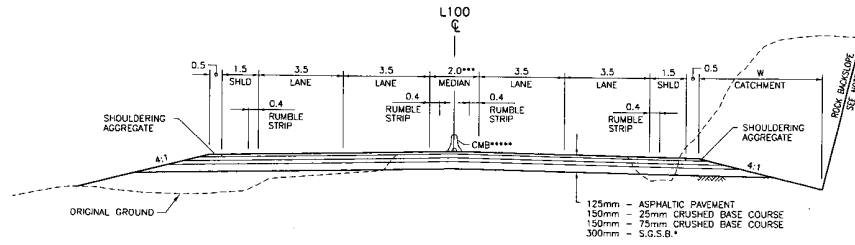
FILL - WITH BARRIER



CUT - TYPE D



TRAIL
1:100



FILL - NO BARRIER

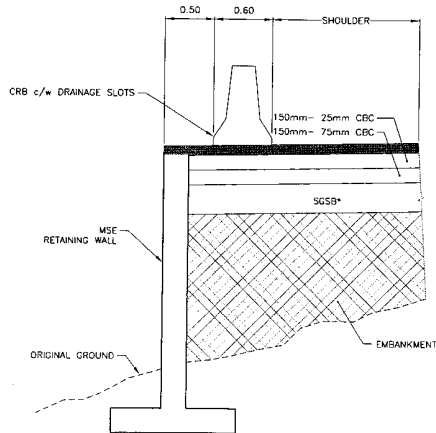
CUT - ROCK

ROCK CATCHMENT WIDTH (W)

ROCK SLOPE HEIGHT	CATCHMENT WIDTH
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m

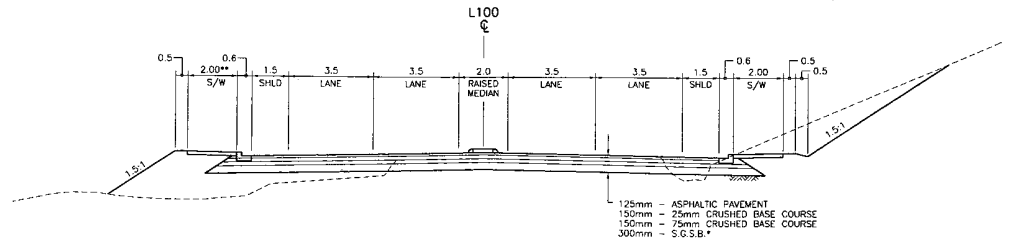
TYPICAL SECTION L100 - RURAL

1:100



RETAINING WALL DETAIL

N.T.S.



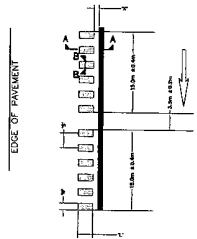
TYPICAL SECTION L100 - URBAN

1:100

NOTES

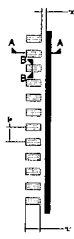
- * USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
- ** DISTANCE FROM CURB VARIES
- *** WIDTH VARIES UP TO 3.20m
- **** WIDTH VARIES UP TO 1.90m
- ***** LOCATION OF BARRIER VARIES WITHIN MEDIAN
- 1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

<p>S2S TRANSPORTATION GROUP</p>	<p>DESIGNED <u>SJT</u> DATE <u>04/09/27</u></p> <p>CHECKED <u>JS</u> DATE <u>04/11/24</u></p> <p>DRAWN <u>SJT</u> DATE <u>04/09/27</u></p> <p>APPROVED _____ DATE _____</p>		<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p> <p>DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS AND DETAILS</p> <p>DB3 - LIONS BAY TO *M* CREEK</p>
	<p>SCALE</p> <p>PA 04/11/25 ISSUED FOR REVIEW</p> <p>PE 03/01/16 ISSUED FOR PROPOSAL SUBMISSION</p>	<p>Project Managers</p> <p> Hatch Mott MacDonald</p> <p>Design Consultant</p>	
<p>DWG. No. Description</p>		<p>PROJECT No. 09901-ST53</p> <p>REGION 1</p> <p>FILE No. 214753-EN10-H</p> <p>DRAWING No. 41DD-DB03-0301 PB</p>	
<p>REFERENCE DRAWINGS</p>		<p>REVISIONS</p>	



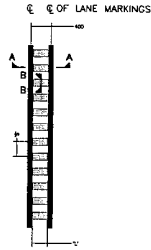
**SHOULDER RUMBLE STRIP
DETAIL**

SCALE: 1:50



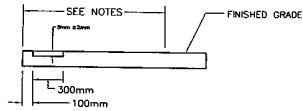
**CENTRELINE RUMBLE STRIP
DETAIL (WITH MEDIAN)**

SCALE: 1:50

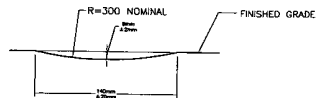


**CENTRELINE RUMBLE STRIP
DETAIL (WITHOUT MEDIAN)**

(SEE NOTE 7)
SCALE: 1:50



SECTION A-A



SECTION B-B

NOTES FOR RUMBLE STRIPS:

1. OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ±10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WIDTH.
2. LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
3. WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ±2mm).
4. SPACING 'S' BETWEEN STRIPS IS 300mm.
5. FOR FURTHER DETAILS, SEE MoT TECHNICAL BULLETINS DSD4001 AND DSD4002.
6. CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN) SUBJECT TO MoT APPROVAL.
7. 400mm WIDTH BETWEEN LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.

 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																																											
SCALE: _____ DESIGNED: <u>SJT</u> DATE: <u>04/11/12</u> CHECKED: <u>ZS</u> DATE: <u>04/11/12</u> DRAWN: <u>SJT</u> DATE: <u>04/11/12</u> APPROVED: _____ DATE: _____		DBFO – HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS AND DETAILS DB3 – LIONS BAY TO "M" CREEK																																											
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04/11/12</td> <td>ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PB</td> <td>05/09/10</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature	PA	04/11/12	ISSUED FOR REVIEW				PB	05/09/10	ISSUED FOR PROPOSAL SUBMISSION																						<table border="1"> <tr> <td> Project Manager </td> <td> Design Consultant </td> <td> PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No. </td> </tr> <tr> <td> FILE No. 214753-EN10-H </td> <td> PROJECT No. 09901-ST53 </td> <td> REGION 1 DRAWING No. 41DD-DB03-0302 PB </td> </tr> </table>		 Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.	FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB03-0302 PB
DWG. No.	Description	Rev	Date	Description	Signature																																								
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PB	05/09/10	ISSUED FOR PROPOSAL SUBMISSION																																											
 Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.																																											
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB03-0302 PB																																											
REFERENCE DRAWINGS		REVISIONS																																											



R 800 Lt
 Δ 03°41'20"
 Δc 00°49'27"
 AD 5.753
 Arc 11.507
 Es 0.498

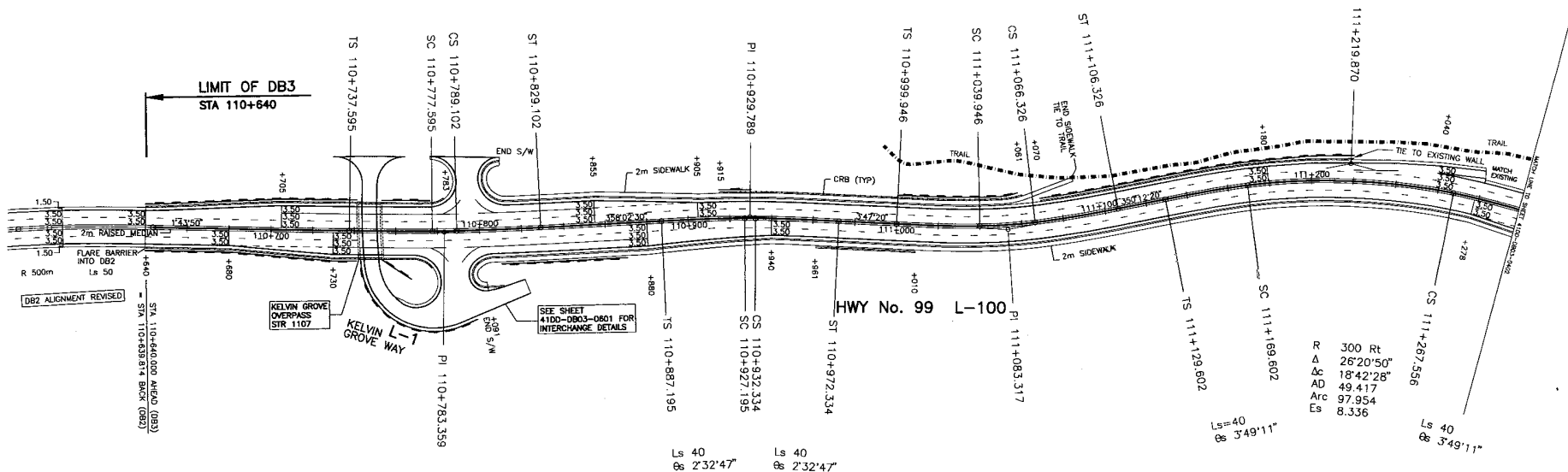
R 280 Lt
 Δ 13°35'00"
 Δc 05°23'54"
 AD 13.200
 Arc 26.381
 Es 2.218

Ls 40
 Es 1'25'57"

Ls 40
 Es 1'25'57"

Ls 40
 Es 4'05'33"

Ls 40
 Es 4'05'33"



R 300 Rt
 Δ 26°20'50"
 Δc 18°42'28"
 AD 49.417
 Arc 97.954
 Es 8.336

Ls 40
 Es 2'32'47"

Ls 40
 Es 2'32'47"

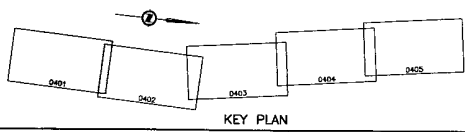
R 450 Rt
 Δ 05°44'50"
 Δc 00°39'15"
 AD 2.569
 Arc 5.139
 Es 0.715

DESIGN SPEED 60 Km/h

ALL HWY 99 MOVEMENTS WB20

ALL INTERCHANGE MOVEMENTS B12

NOTE
 SEE SHEET 41DD-DB03-0301 FOR MEDIAN DETAIL



DWG. No.	Description	Rev	Date	Description	Signature
PA 04/11/25	ISSUED FOR REVIEW				
PB 05/07/10	ISSUED FOR PROPOSAL SUBMISSION				

DESIGNED: SJT	DATE: 05/07/20
CHECKED: JS	DATE: 04/11/04
DRAWN: SJT	DATE: 05/07/20
APPROVED:	DATE:

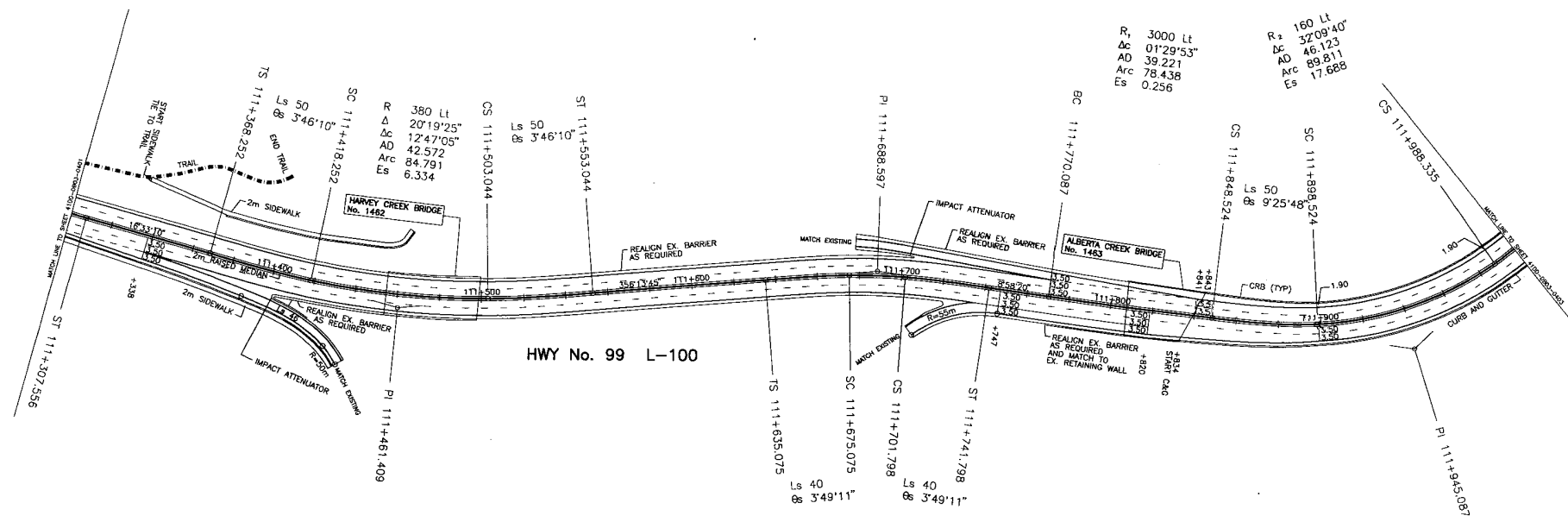
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB3 - LIONS BAY TO "M" CREEK
 STA 110+640 TO STA 111+300

Project Managers: Hatch Mott MacDonald
 Design: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: Hatch Mott MacDonald
 SENIOR DESIGN ENGINEER: Hatch Mott MacDonald
 DATE: _____ DRAWING NO. _____

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB03-0401 PB



R₁ 3000 Lt
 Δ_c 01°29'53"
 AD 39.221
 Arc 78.438
 Es 0.256

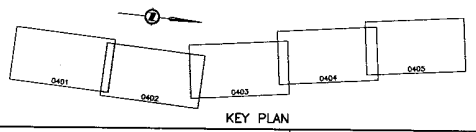
R₂ 160 Lt
 Δ_c 32°09'40"
 AD 46.123
 Arc 89.811
 Es 17.688

HWY No. 99 L-100

R 300 Rt
 Δ 12°44'35"
 Δ_c 05°06'13"
 AD 13.370
 Arc 26.722
 Es 2.088

DESIGN SPEED 60 Km/h
 ALL HWY 99 MOVEMENTS WB20

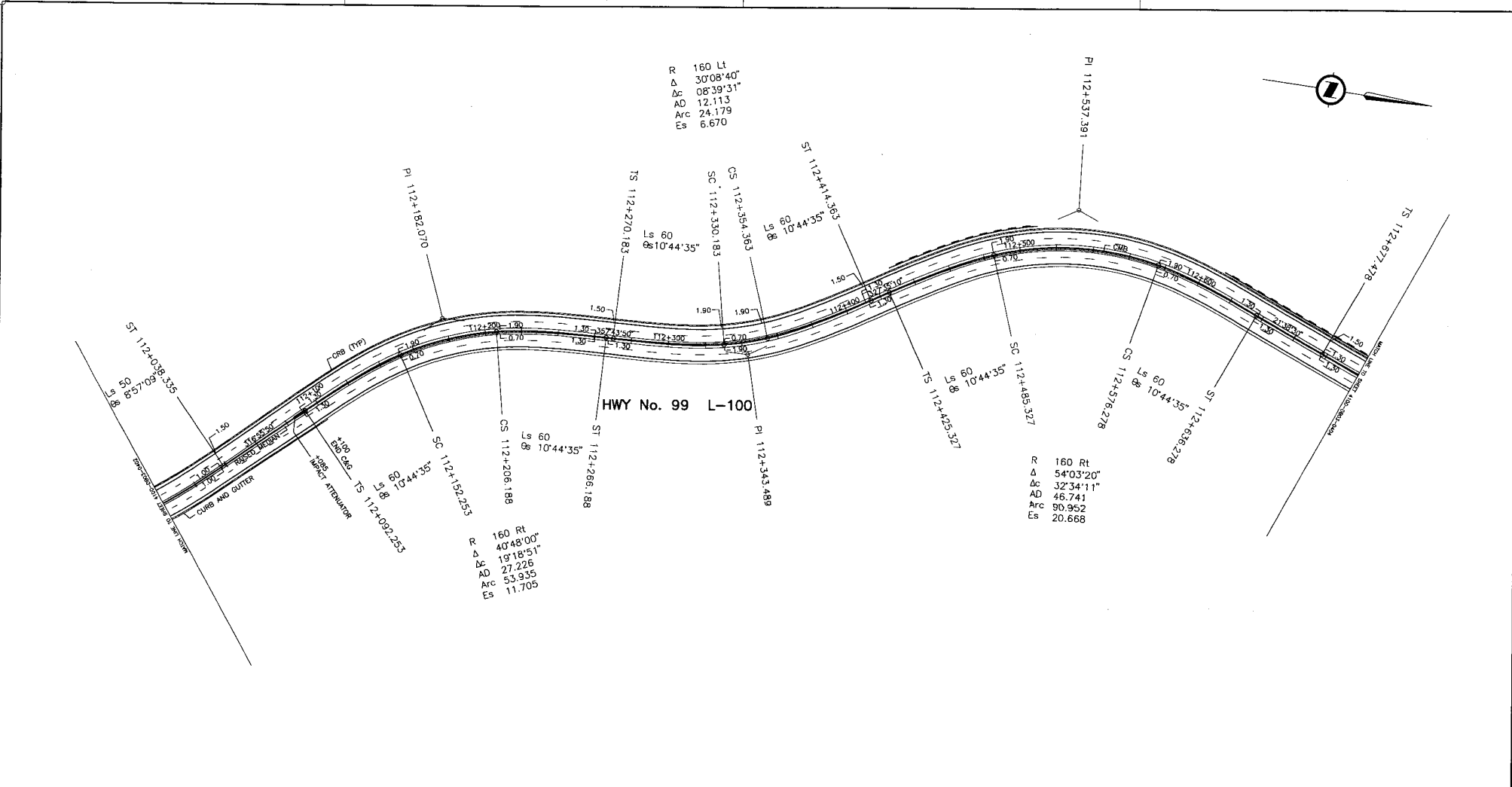
NOTE
 SEE SHEET 4100-0903-0301 FOR MEDIAN DETAIL



KEY PLAN

TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED: SJT DATE: 04/02/20 CHECKED: ZS DATE: 04/11/24 DRAWN: SJT DATE: 04/02/20 APPROVED: DATE:		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING	
SCALE 0 1:1000 50		DB3 - LIONS BAY TO "M" CREEK STA 111+300 TO STA 112+000	
PA 04/11/25 ISSUED FOR REVIEW PB 05/01/10 ISSUED FOR PROPOSAL SUBMISSION		Project Managers: Hatch Mott MacDonald Design Consultant: Hatch Mott MacDonald PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: _____ DRAWING NO.: _____	
REFERENCE DRAWINGS		REVISIONS	

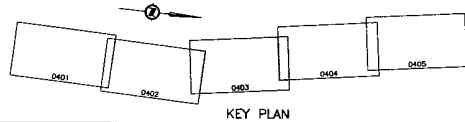
PROJECT No. 214573-EN10-H	REGION 1
FILE No. 09901-ST53	DRAWING No. 41DD-DB03-0402(PB)



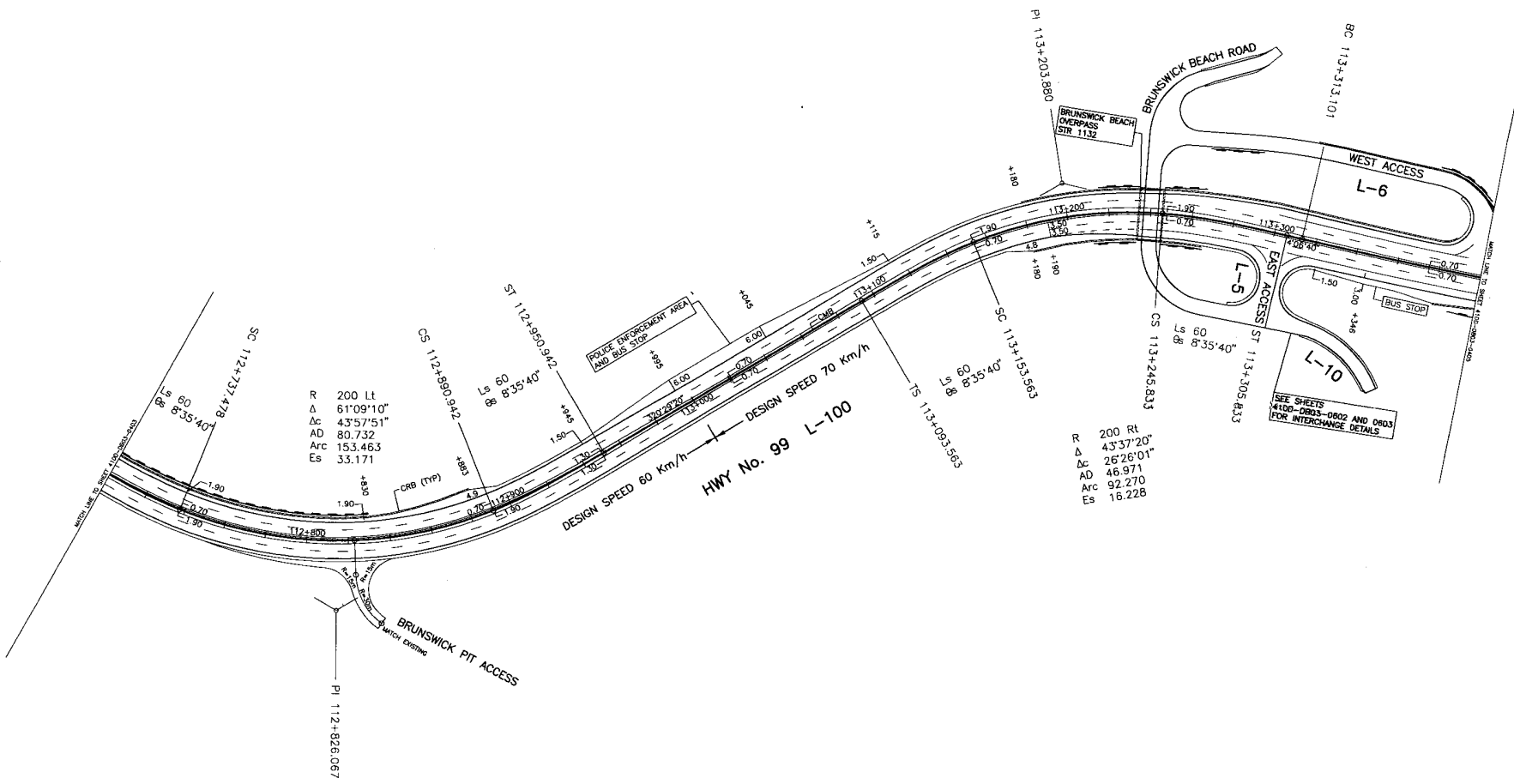
DESIGN SPEED 60 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
SEE SHEET 4100-DB03-0301 FOR MEDIAN DETAIL



SCALE 0 1:1000 50		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING	
PA 04/11/25 ISSUED FOR REVIEW		DB3 - LIONS BAY TO "M" CREEK STA 112+000 TO STA 112+700	
PB 05/01/20 ISSUED FOR PROPOSAL SUBMISSION		PREPARED UNDER THE DIRECTION OF	
REVISIONS		SENIOR DESIGN ENGINEER	
REFERENCE DRAWINGS		DATE	
FILE No. 214753-EN10-H		PROJECT No. 09901-ST53	
REGION 1		DRAWING No. 41DD-DB03-0403/PB	



R 200 Lt
 Δ 61°09'10"
 Δc 43°57'51"
 AD 80.732
 Arc 153.463
 Es 33.171

R 200 Rt
 Δ 43°37'20"
 Δc 26°26'01"
 AD 46.971
 Arc 92.270
 Es 16.228

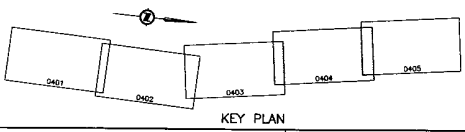
SEE SHEETS
 4100-DB03-0802 AND 0803
 FOR INTERCHANGE DETAILS

DESIGN SPEED 70 Km/h

ALL HWY 99 MOVEMENTS WB20

ALL INTERCHANGE MOVEMENTS B12

NOTE
 SEE SHEET 4100-DB03-0301 FOR MEDIAN DETAIL



KEY PLAN

S2S TRANSPORTATION GROUP

DESIGNED: SJT DATE: 04/07/20
 CHECKED: JS DATE: 04/11/04
 DRAWN: SJT DATE: 04/07/20

SCALE: 0 1:1000 50

APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

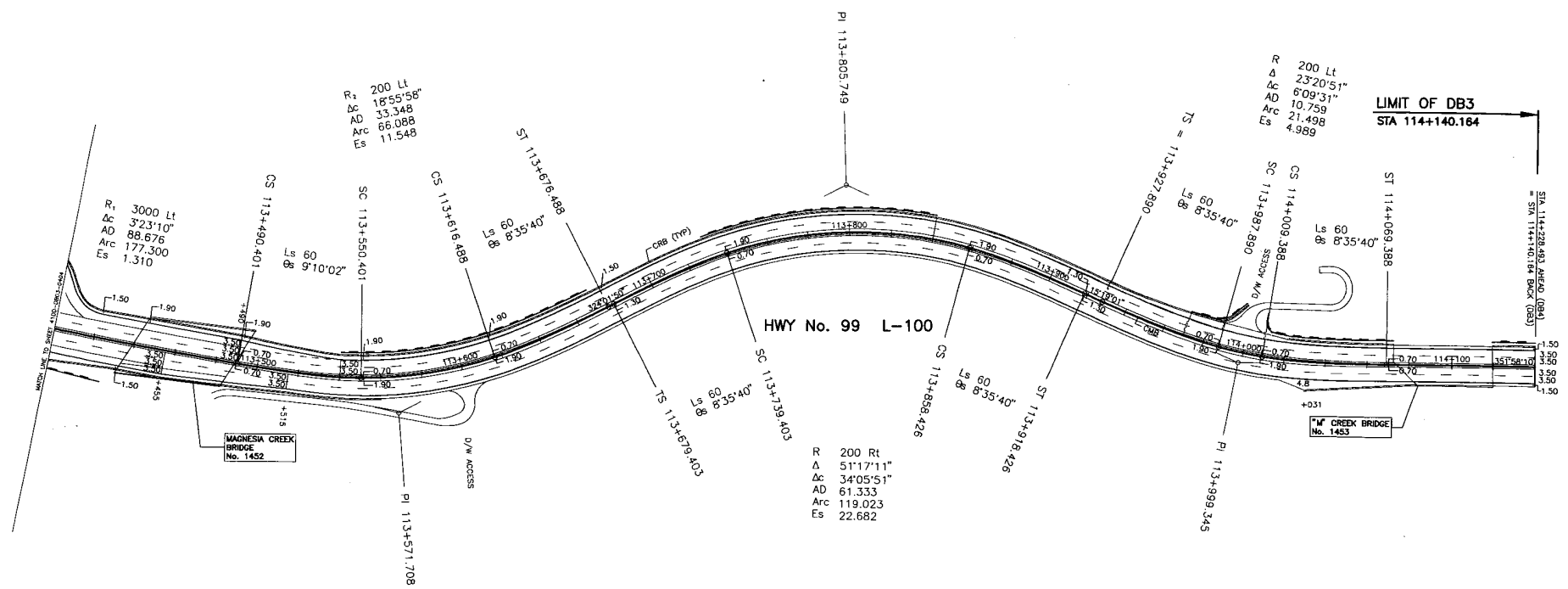
DB3 - LIONS BAY TO "M" CREEK
 STA 112+700 TO STA 113+400

DWG. No.	Description	Rev	Date	Description	Signature
PA 04/1/20	ISSUED FOR REVIEW				
PB 05/01/20	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	DATE
	REGION 1	DRAWING No. 4100-DB03-0404 PB

REFERENCE DRAWINGS

REVISIONS



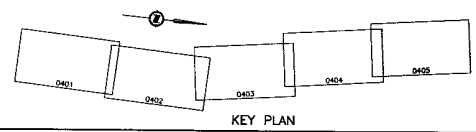
MAGNESA CREEK BRIDGE No. 1452

"M" CREEK BRIDGE No. 1453

DESIGN SPEED 70 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
SEE SHEET 4100-DB03-0301 FOR MEDIAN DETAIL



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 30

DESIGNED: SJT DATE: 04/07/20
 CHECKED: ZS DATE: 04/11/24
 DRAWN: SJT DATE: 04/07/20
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB3 - LIONS BAY TO "M" CREEK
 STA 113+400 TO STA 114+140.164

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **Hatch Mott MacDonald**
 SENIOR DESIGN ENGINEER

DWG. No.	Description	Rev	Date	Description	Signature
		PA	04/11/25	ISSUED FOR REVIEW	
		PB	05/01/20	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS		REVISIONS	

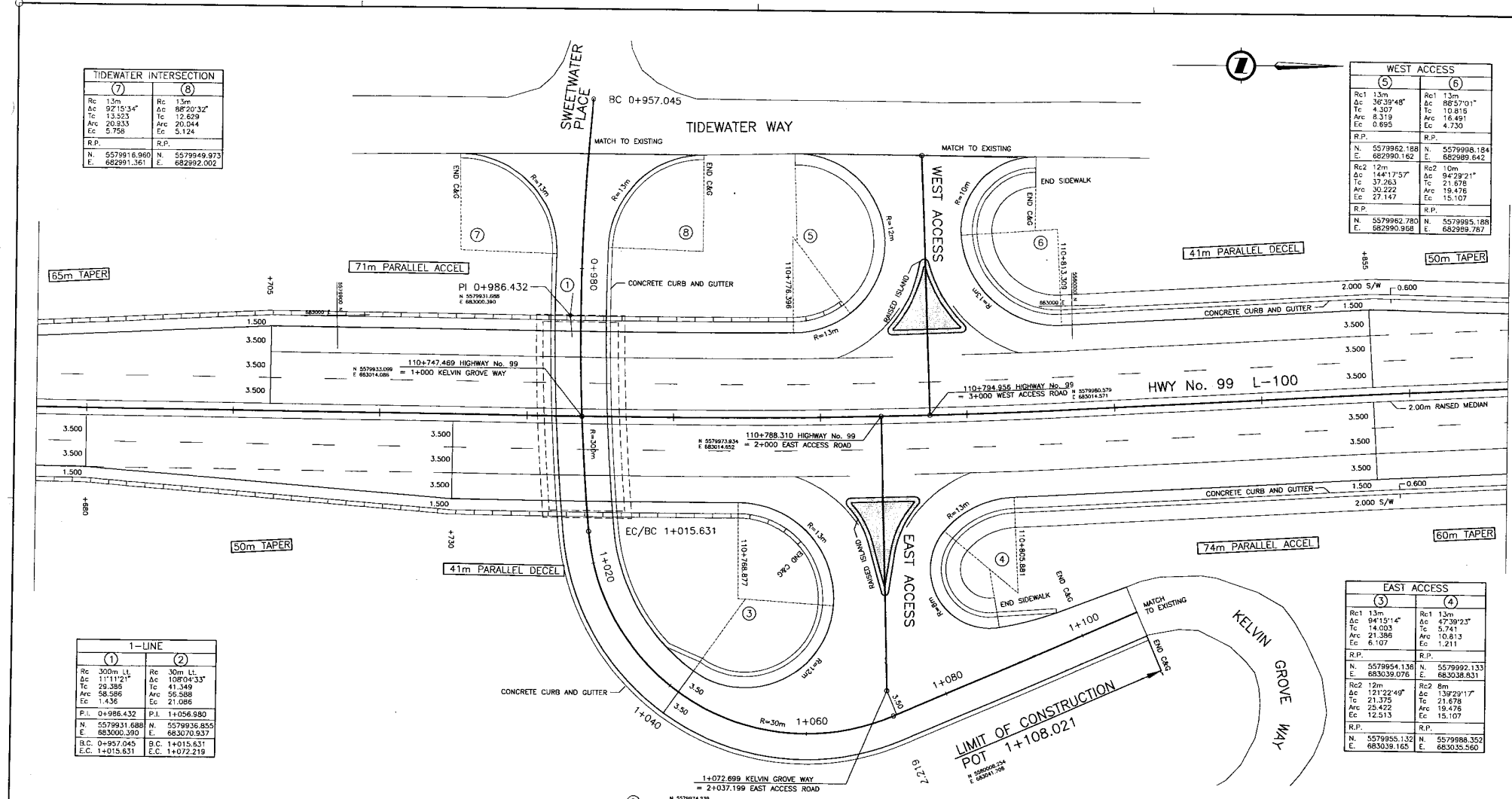
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-H	09901-ST53	1	4100-DB03-0405/PB

TIDEWATER INTERSECTION			
(7)		(8)	
Rc	1.5m	Rc	1.5m
Δc	92°15'34"	Δc	88°20'32"
Tc	13.523	Tc	12.628
Ec	20.833	Ec	20.044
Ec	5.758	Ec	5.124
R.P.		R.P.	
N	5579916.960	N	5579949.973
E	682991.361	E	682992.002

WEST ACCESS			
(5)		(6)	
Rc1	1.5m	Rc1	1.5m
Δc	16°39'48"	Δc	88°57'01"
Tc	4.307	Tc	10.819
Arc	8.319	Arc	16.491
Ec	0.695	Ec	4.730
R.P.		R.P.	
N	5579962.188	N	5579998.184
E	682990.162	E	682998.642
Rc2	12m	Rc2	0m
Δc	144°17'57"	Δc	94°29'21"
Tc	37.263	Tc	21.678
Arc	30.222	Arc	18.476
Ec	27.147	Ec	15.107
R.P.		R.P.	
N	5579962.780	N	5579995.188
E	682990.968	E	682999.767

I-LINE			
(1)		(2)	
Rc	300m LL	Rc	30m LL
Δc	11°11'21"	Δc	108°04'33"
Tc	29.389	Tc	41.349
Arc	36.386	Arc	56.388
Ec	1.436	Ec	21.086
P.I.	0+986.432	P.I.	1+056.980
N	5579931.688	N	5579936.855
E	683000.390	E	683070.937
B.C.	0+957.045	B.C.	1+015.631
E.C.	1+015.631	E.C.	1+072.219

EAST ACCESS			
(3)		(4)	
Rc1	1.5m	Rc1	1.5m
Δc	94°15'14"	Δc	47°39'23"
Tc	14.003	Tc	5.741
Arc	21.286	Arc	10.813
Ec	6.107	Ec	1.211
R.P.		R.P.	
N	5579954.136	N	5579992.133
E	683039.076	E	683038.831
Rc2	12m	Rc2	8m
Δc	121°22'49"	Δc	139°29'17"
Tc	21.375	Tc	21.678
Arc	25.422	Arc	18.476
Ec	12.513	Ec	15.107
R.P.		R.P.	
N	5579955.132	N	5579988.352
E	683039.165	E	683035.560



SCALE 1:250 		DESIGNED: <u>SJT</u> DATE: 04/07/20 CHECKED: <u>ZS</u> DATE: 04/11/04 DRAWN: <u>SJT</u> DATE: 04/07/20 APPROVED: _____ DATE: _____	
Rev	Date	Description	Signature
PA	04/11/20	ISSUED FOR REVIEW	
PH	05/01/10	RESUB FOR PROPOSAL SUBMISSION	

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER INTERCHANGES
 KELVIN GROVE
 DB3 - LIONS BAY TO "M" CREEK

Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald

PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER

FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DATE: _____ DRAWING No: 41DD-DB03-0601/PB

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS REVISIONS

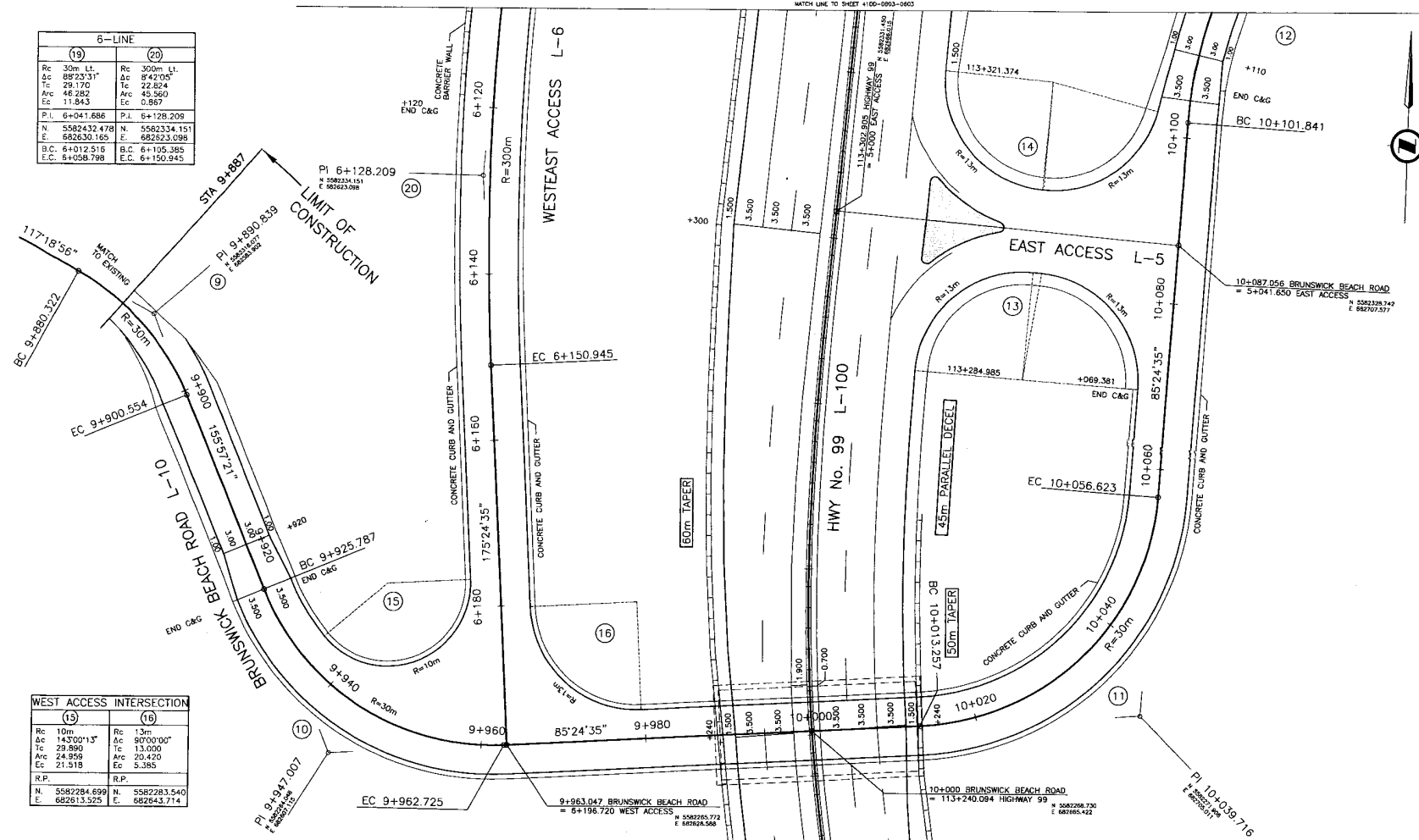
DATE PLOTTED: 04/11/20

6-LINE			
(19)		(20)	
Rc 30m Lt.	Rc 300m Lt.		
Δc 88°23'31"	Δc 8°42'05"		
Tc 29.170	Tc 22.824		
Arc 48.282	Arc 45.360		
Ec 11.843	Ec 0.867		
P.I. 6+041.686	P.I. 6+128.209		
N. 5582432.478	N. 5582334.151		
E. 682630.169	E. 682823.098		
B.C. 6+012.516	E.C. 6+105.385		
E.C. 6+058.798	E.C. 6+150.945		

WEST ACCESS INTERSECTION			
(15)		(16)	
Rc 10m	Rc 13m		
Δc 143°00'13"	Δc 90°00'00"		
Tc 29.890	Tc 13.020		
Arc 24.959	Arc 20.420		
Ec 21.518	Ec 5.385		
R.P.	R.P.		
N. 5582284.699	N. 5582283.540		
E. 682613.525	E. 682843.714		

EAST ACCESS			
(13)		(14)	
Rc1 13m	Rc1 13m		
Δc 90°40'53"	Δc 90°13'48"		
Tc 13.158	Tc 13.052		
Arc 20.575	Arc 20.473		
Ec 5.495	Ec 5.422		
R.P.	R.P.		
N. 5582311.895	N. 5582347.812		
E. 682689.298	E. 682691.743		
Rc2 13m	Rc2 13m		
Δc 85°51'31"	Δc 80°03'30"		
Tc 12.744	Tc 10.920		
Arc 20.161	Arc 18.165		
Ec 5.204	Ec 3.978		
R.P.	R.P.		
N. 5582311.830	N. 5582347.803		
E. 682690.297	E. 682691.886		

10-LINE			
(9)		(10)	
Rc 30m Rt.	Rc 30m Lt.		
Δc 38°38'24"	Δc 70°32'46"		
Tc 19.318	Tc 21.229		
Arc 20.232	Arc 36.938		
Ec 1.790	Ec 6.748		
P.I. 9+890.839	P.I. 9+947.007		
N. 5582316.077	N. 5582354.048		
E. 682583.902	E. 682607.115		
B.C. 9+880.322	B.C. 9+925.787		
E.C. 9+900.554	E.C. 9+862.725		
10-LINE			
(11)		(12)	
Rc 30m Lt.	Rc 50m Rt.		
Δc 82°48'28"	Δc 60°04'56"		
Tc 26.460	Tc 32.521		
Arc 43.367	Arc 57.668		
Ec 10.002	Ec 8.646		
P.I. 10+039.716	P.I. 10+134.363		
N. 5582271.908	N. 5582376.001		
E. 682705.011	E. 682709.711		
B.C. 10+013.257	B.C. 10+101.841		
E.C. 10+056.623	E.C. 10+159.509		



S2S TRANSPORTATION GROUP

SCALE: 1:250

DESIGNED: JMT DATE: 04/07/20
 CHECKED: ZS DATE: 04/11/04
 DRAWN: JMT DATE: 04/07/20
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER INTERCHANGES
 BRUNSWICK BEACH
 DB3 - LIONS BAY TO "M" CREEK

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER

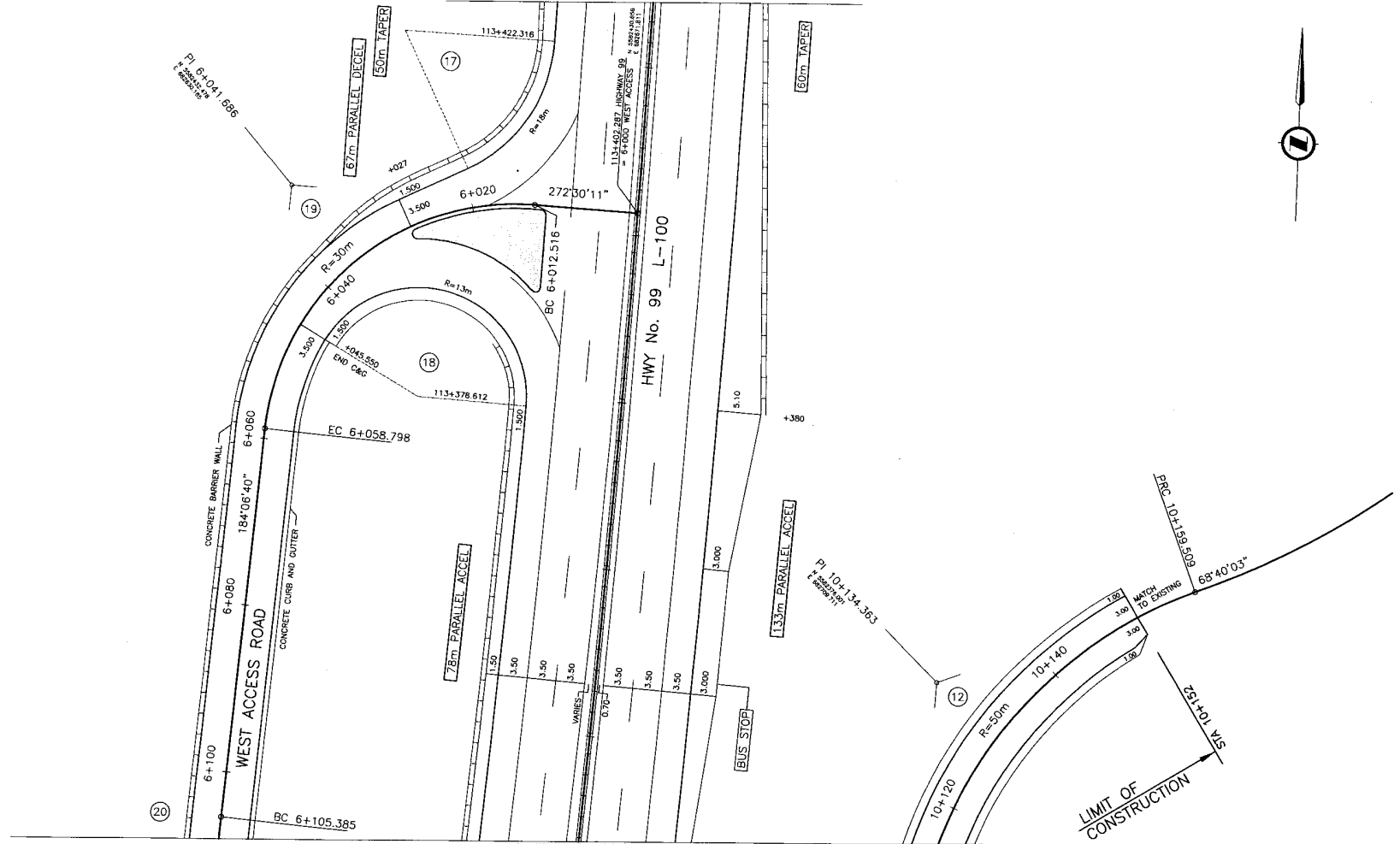
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB03-0602/PB

DWG. No.	Description	Rev.	Date	Description	Signature
PA	04/11/20	ISSUED FOR REVIEW			
PB	05/09/20	ISSUED FOR PROPOSAL SUBMISSION			

REFERENCE DRAWINGS REVISIONS

WEST ACCESS INTERSECTION	
(17)	(19)
Rc 18m	Rc 13m
Δc 61°28'28"	Δc 153°27'05"
Tc 10.703	Tc 95.104
Arc 19.313	Arc 34.817
Ec 2.942	Ec 43.617
R.P.	R.P.
N. 5582451.346	N. 5582407.863
E. 682643.090	E. 682646.237

6-LINE	
(19)	(20)
Rc 30m LT	Rc 300m LT
Δc 88°23'31"	Δc 84°21'05"
Tc 29.170	Tc 22.824
Arc 45.282	Arc 45.560
Ec 11.843	Ec 0.867
P.I. 6+041.686	P.I. 6+128.209
N. 5582432.478	N. 5582334.151
E. 682630.165	E. 682623.098
B.C. 6+012.516	B.C. 6+105.385
E.C. 6+058.798	E.C. 6+150.945



SRS
S2S TRANSPORTATION GROUP

SCALE 1:250

DESIGNED: SJT DATE: 04/07/20
 CHECKED: ZS DATE: 05/13/04
 DRAWN: SJT DATE: 05/07/20
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER INTERCHANGES
BRUNSWICK BEACH
DB3 - LIONS BAY TO "M" CREEK

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB03-0603|PB

DWG. No.	Description	Rev	Date	Description	Signature
PA	04/11/25	ISSUED FOR REVIEW			
PB	05/01/10	ISSUED FOR PROPOSAL SUBMISSION			

REFERENCE DRAWINGS

REVISIONS



MINISTRY OF TRANSPORTATION

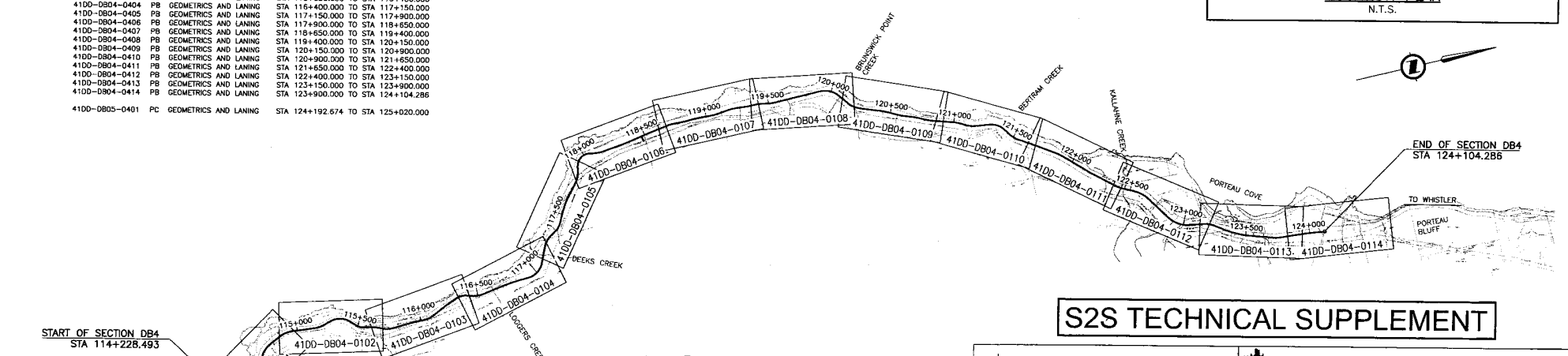
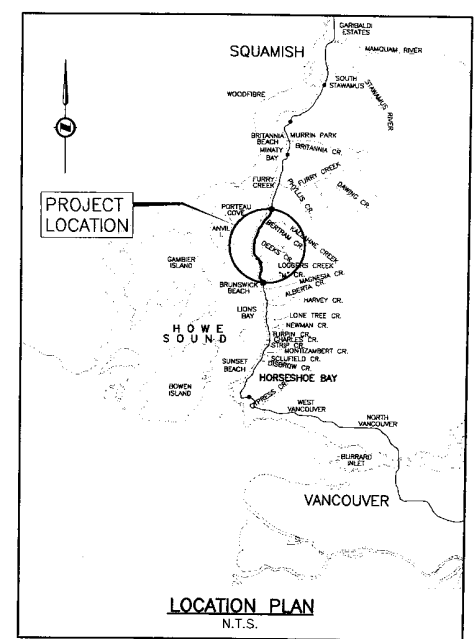
PROJECT No. 09901-ST33

Section DB4

"M" Creek to Porteau Cove
STA. 114+228.493 TO STA. 124+104.286
9.876 km

DRAWING INDEX

41DD-DB04-0001	PB	KEY MAP & TITLE	
41DD-DB04-0002	PB	SUPPLEMENTARY LEGEND	
41DD-DB04-0101	PB	PLAN	STA 114+228.493 TO STA 114+900.000
41DD-DB04-0102	PB	PLAN	STA 114+900.000 TO STA 115+650.000
41DD-DB04-0103	PB	PLAN	STA 115+650.000 TO STA 116+400.000
41DD-DB04-0104	PB	PLAN	STA 116+400.000 TO STA 117+150.000
41DD-DB04-0105	PB	PLAN	STA 117+150.000 TO STA 117+900.000
41DD-DB04-0106	PB	PLAN	STA 117+900.000 TO STA 118+650.000
41DD-DB04-0107	PB	PLAN	STA 118+650.000 TO STA 119+400.000
41DD-DB04-0108	PB	PLAN	STA 119+400.000 TO STA 120+150.000
41DD-DB04-0109	PB	PLAN	STA 120+150.000 TO STA 120+900.000
41DD-DB04-0110	PB	PLAN	STA 120+900.000 TO STA 121+650.000
41DD-DB04-0111	PB	PLAN	STA 121+650.000 TO STA 122+400.000
41DD-DB04-0112	PB	PLAN	STA 122+400.000 TO STA 123+150.000
41DD-DB04-0113	PB	PLAN	STA 123+150.000 TO STA 123+900.000
41DD-DB04-0114	PB	PLAN	STA 123+900.000 TO STA 124+104.286
41DD-DB04-0201	PB	PROFILE	STA 114+228.493 TO STA 115+600.000
41DD-DB04-0202	PB	PROFILE	STA 115+600.000 TO STA 117+100.000
41DD-DB04-0203	PB	PROFILE	STA 117+100.000 TO STA 118+600.000
41DD-DB04-0204	PB	PROFILE	STA 118+600.000 TO STA 120+100.000
41DD-DB04-0205	PB	PROFILE	STA 120+100.000 TO STA 121+600.000
41DD-DB04-0206	PB	PROFILE	STA 121+600.000 TO STA 123+100.000
41DD-DB04-0207	PB	PROFILE	STA 123+100.000 TO STA 124+104.286
41DD-DB04-0208	PB	PROFILE - T ROAD	STA 20+000.000 TO STA 20+056.100
41DD-DB04-0301	PB	TYPICAL SECTIONS	
41DD-DB04-0302	PB	TYPICAL SECTIONS	
41DD-DB04-0401	PB	GEOMETRICS AND LANING	STA 114+228.493 TO STA 114+900.000
41DD-DB04-0402	PB	GEOMETRICS AND LANING	STA 114+900.000 TO STA 115+650.000
41DD-DB04-0403	PB	GEOMETRICS AND LANING	STA 115+650.000 TO STA 116+400.000
41DD-DB04-0404	PB	GEOMETRICS AND LANING	STA 116+400.000 TO STA 117+150.000
41DD-DB04-0405	PB	GEOMETRICS AND LANING	STA 117+150.000 TO STA 117+900.000
41DD-DB04-0406	PB	GEOMETRICS AND LANING	STA 117+900.000 TO STA 118+650.000
41DD-DB04-0407	PB	GEOMETRICS AND LANING	STA 118+650.000 TO STA 119+400.000
41DD-DB04-0408	PB	GEOMETRICS AND LANING	STA 119+400.000 TO STA 120+150.000
41DD-DB04-0409	PB	GEOMETRICS AND LANING	STA 120+150.000 TO STA 120+900.000
41DD-DB04-0410	PB	GEOMETRICS AND LANING	STA 120+900.000 TO STA 121+650.000
41DD-DB04-0411	PB	GEOMETRICS AND LANING	STA 121+650.000 TO STA 122+400.000
41DD-DB04-0412	PB	GEOMETRICS AND LANING	STA 122+400.000 TO STA 123+150.000
41DD-DB04-0413	PB	GEOMETRICS AND LANING	STA 123+150.000 TO STA 123+900.000
41DD-DB04-0414	PB	GEOMETRICS AND LANING	STA 123+900.000 TO STA 124+104.286
41DD-DB05-0401	PC	GEOMETRICS AND LANING	STA 124+192.674 TO STA 125+020.000



S2S TECHNICAL SUPPLEMENT

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
KEY MAP & TITLE
DB4 - "M" CREEK TO PORTEAU COVE

Project Managers: Hatch Mott MacDonald
Design Consultant: Hatch Mott MacDonald
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H
PROJECT No. 09901-ST33
REVISION: 1
DRAWING No. 41DD-DB04-0001 PB

Rev	Date	Description	Signature
PA	05/01/08	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

KEY PLAN
Scale: 1:15,000

OWC No.	Description

REFERENCE DRAWINGS

REVISIONS

SUPPLEMENTARY LEGEND

PROPOSED

UTILITY RELOCATION

Pole Relocation



CONSTRUCTION DETAILS LINETYPES

Retaining Wall Number

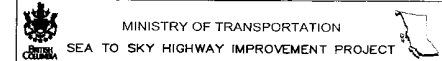


S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP

SCALE N/A

DESIGNED: SJT DATE 04/02/06
 CHECKED: ES DATE 05/09/06
 DRAWN: SJT DATE 05/09/06
 APPROVED: DATE



DBFO - HORSESHOE BAY TO WHISTLER
 SUPPLEMENTARY LEGEND

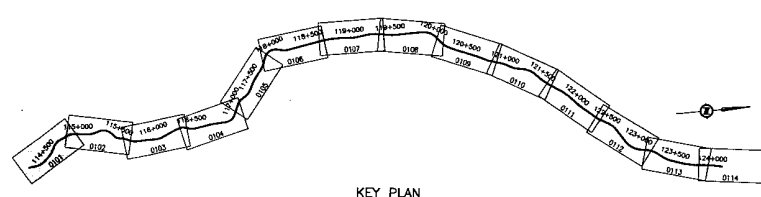
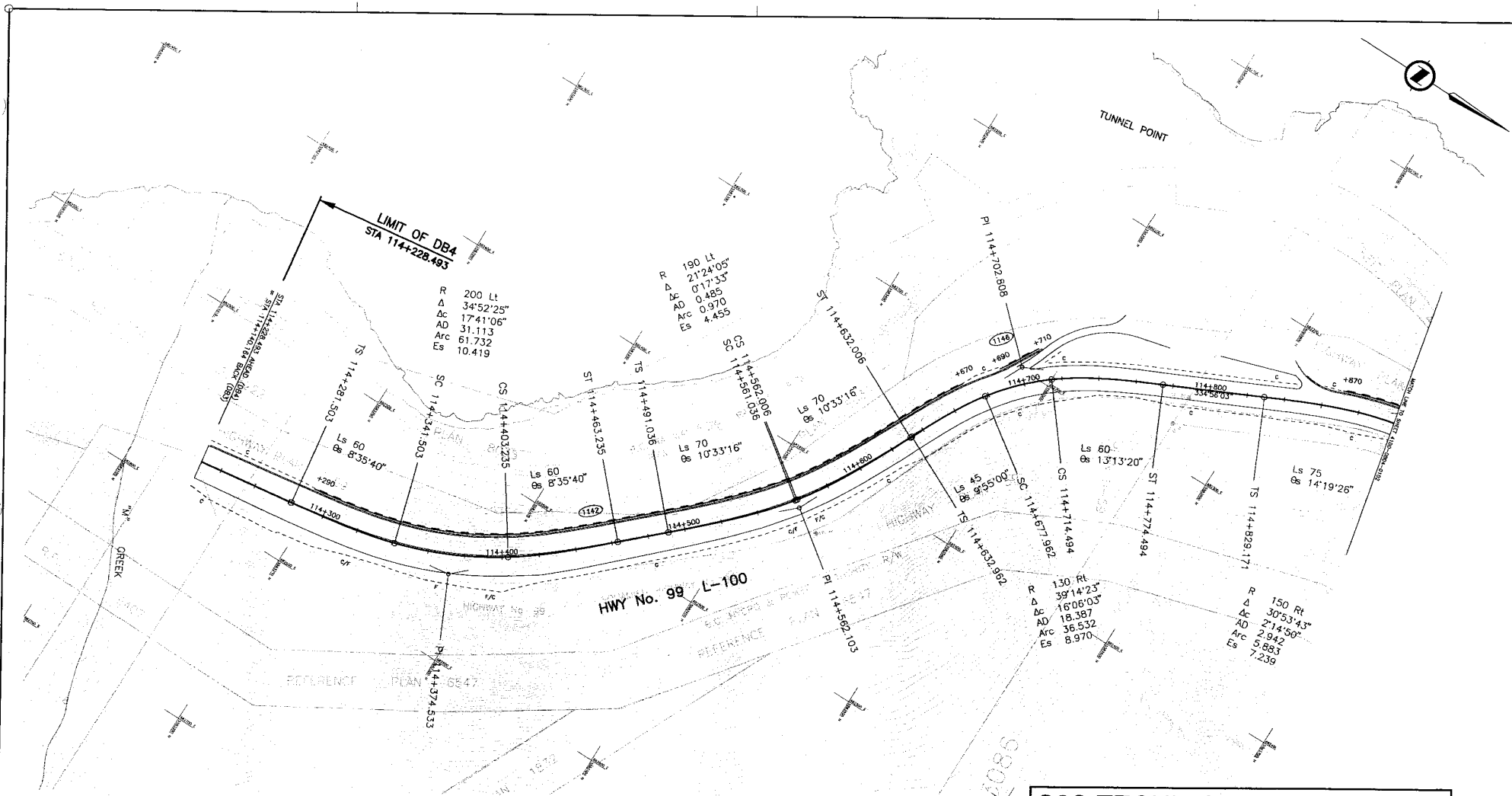
DB4 - "M" CREEK TO PORTEAU COVE

DWC No.	Description	Rev	Date	Description	Signature
		PA	05/01/06	ISSUED FOR REVIEW	
		PI	05/01/06	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REFERENCE DRAWINGS

REVISIONS

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	DATE
214753-FN10-H	09001-ST53	1
REGION	DRAWING No.	
	4100-0804-0002100	



DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT

DWG. No.	Description

Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

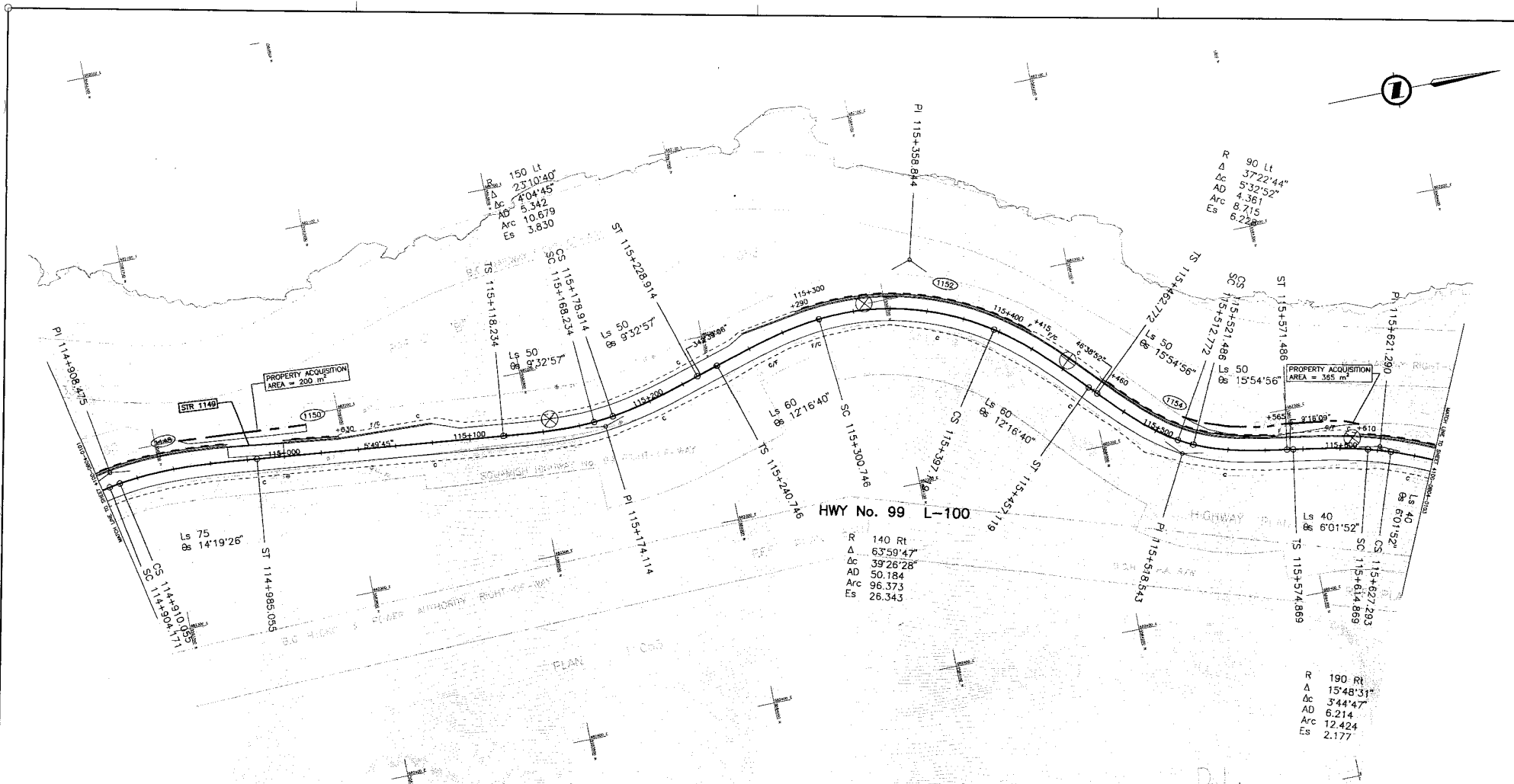
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB4 - "M" CREEK TO PORTEAU COVE
 STA 114+228.493 TO STA 114+900

Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST3S REGION 1 DRAWING No. 41DD-DB04-0101 |PB|

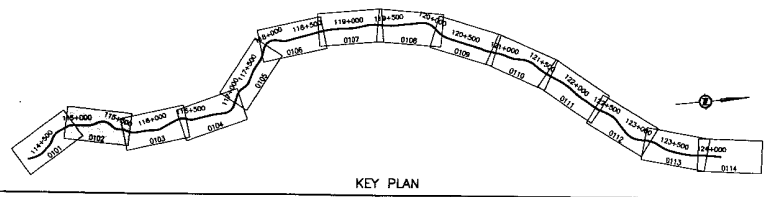
REFERENCE DRAWINGS

REVISIONS



S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SJT DATE: 04/12/21
 CHECKED: ZIS DATE: 05/01/21
 DRAWN: SJT DATE: 05/01/21
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

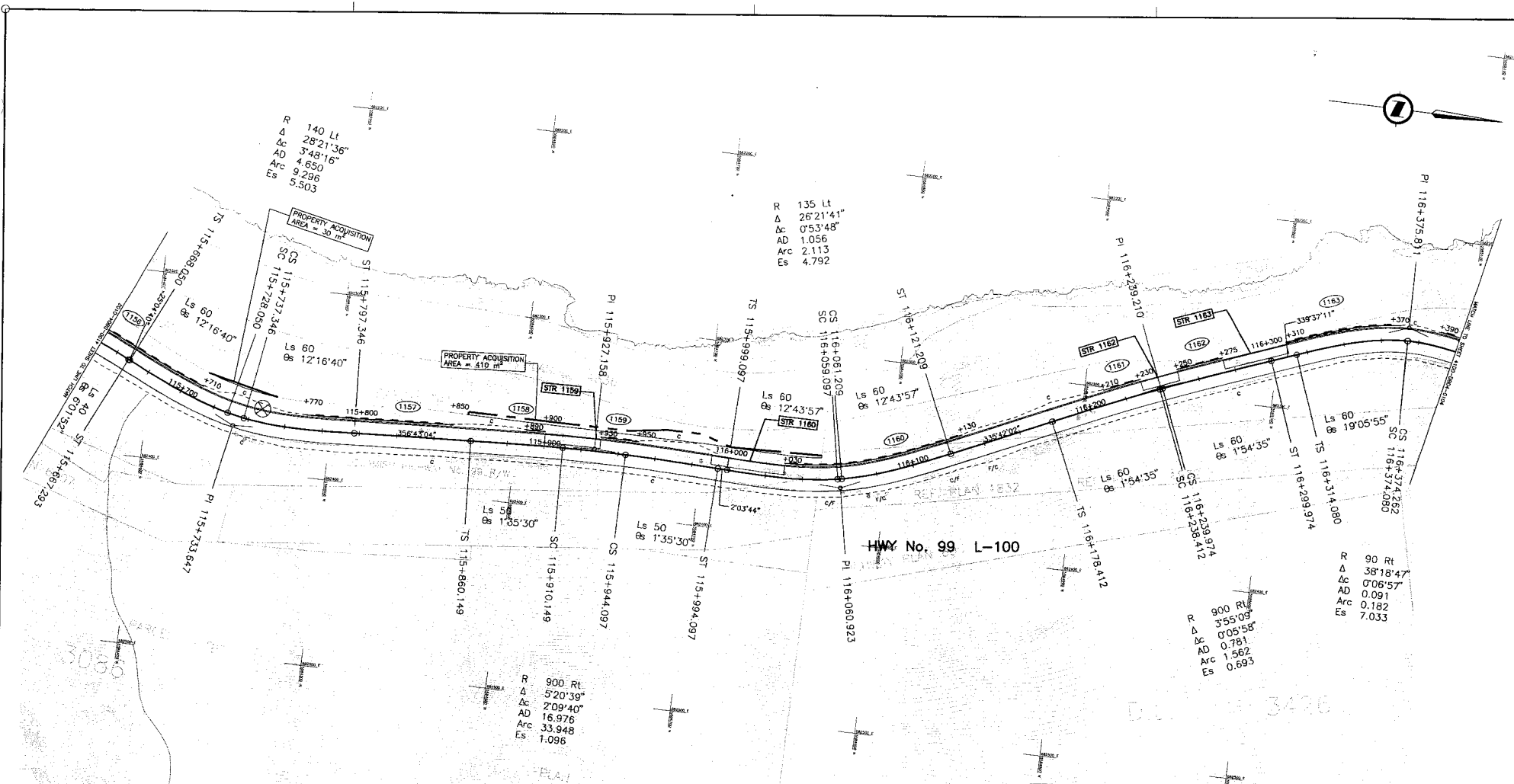
DB4 - "M" CREEK TO PORTEAU COVE
 STA 114+900 TO STA 115+650

DWG. No.	Description	Rev.	Date	Description	Signature
		PA	04/12/21	ISSUED FOR REVIEW	
		PB	05/01/21	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Hatch Mott MacDonald	Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF
FILE No. 214753-EN10-H	PROJECT No. 09901-ST3S	DATE
	REGION 1	DRAWING No. 41DD-DB04-0102 [PB]

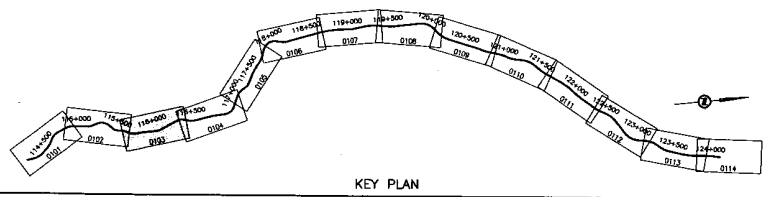
REFERENCE DRAWINGS

REVISIONS



S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



S2S TRANSPORTATION GROUP

SCALE 1:1000

DESIGNED: SJT DATE: 02/22/08
 CHECKED: ZB DATE: 05/20/08
 DRAWN: SJT DATE: 05/01/04
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 115+650 TO STA 116+400

Orig. No.	Description	Rev.	Date	Description	Signature
		PA	05/01/08	ISSUED FOR REVIEW	
		PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Rev.	Date	Description	Signature

Project Manager: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

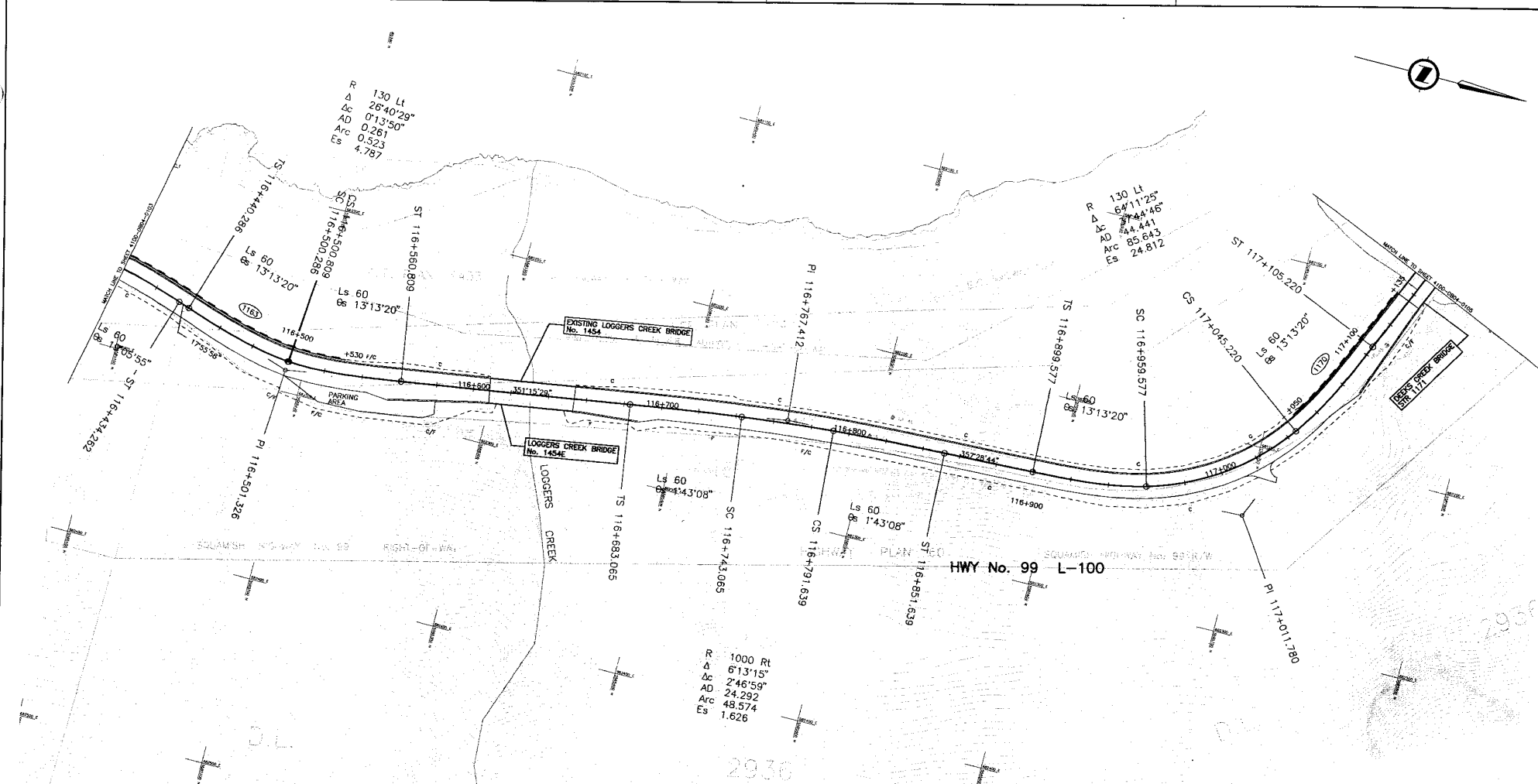
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB04-0103/PB

REFERENCE DRAWINGS

REVISIONS

KEY PLAN



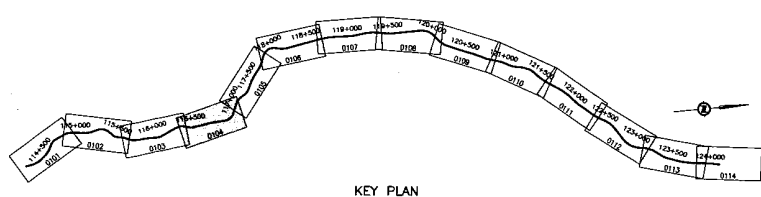
R 130 Lt
 Δ 26°40'29"
 AD 0'13'50"
 Arc 0.261
 Es 4.787

130 Lt
 Δ 64°11'25"
 AD 44'44"
 Arc 85.643
 Es 24.812

R 1000 Rt
 Δ 6°13'15"
 AD 2'46'59"
 Arc 48.574
 Es 1.626

S2S TECHNICAL SUPPLEMENT

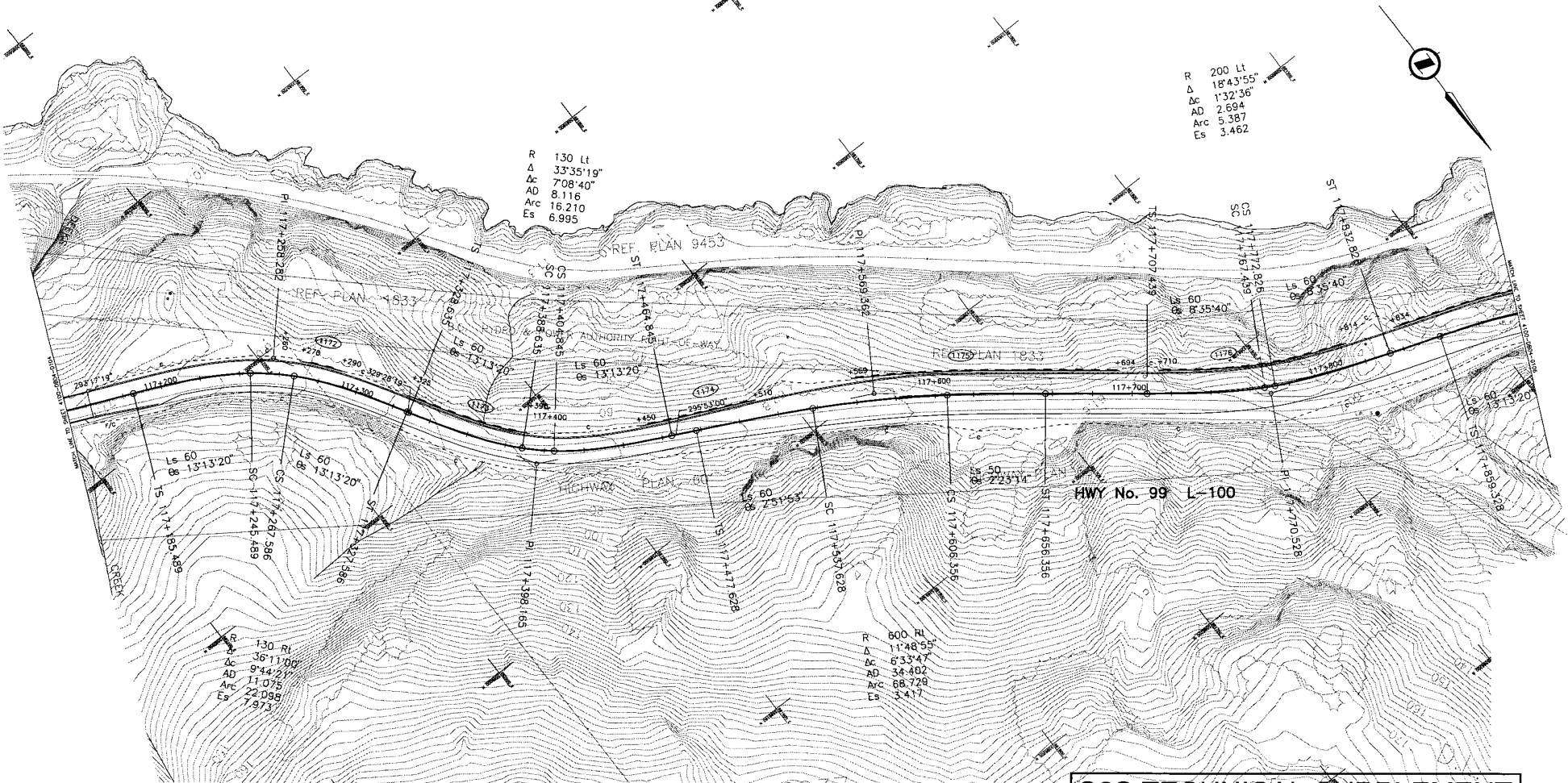
DESIGN SPEED 80 km/h



		DESIGNED <u>SJT</u> DATE <u>04/12/08</u> CHECKED <u>ZS</u> DATE <u>05/01/08</u> DRAWN <u>SJT</u> DATE <u>05/01/08</u> APPROVED _____ DATE _____			
SCALE	0 1:1000 50	Rev	Date	Description	Signature
		PA	05/01/08	ISSUED FOR REVIEW	
		PB	05/01/08	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	
REFERENCE DRAWINGS		REVISIONS			

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO – HORSESHOE BAY TO WHISTLER PLAN
 DB4 – "M" CREEK TO PORTEAU COVE
 STA 116+400 TO STA 117+150

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB04-0104/PB



R 200 Lt
 Δ 18'43'55"
 Arc 1'32'36"
 AD 2.694
 Arc 5.387
 Es 3.462

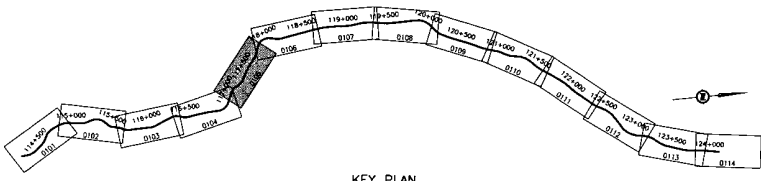
R 130 Lt
 Δ 33'35'19"
 Arc 7'08'40"
 AD 8.116
 Arc 16.210
 Es 6.995

R 130 Lt
 Δ 36'11'00"
 Arc 9'44'21"
 AD 11.075
 Arc 22.098
 Es 7.973

R 600 Lt
 Δ 11'48'55"
 Arc 6'33'47"
 AD 34.402
 Arc 68.728
 Es 3.417

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



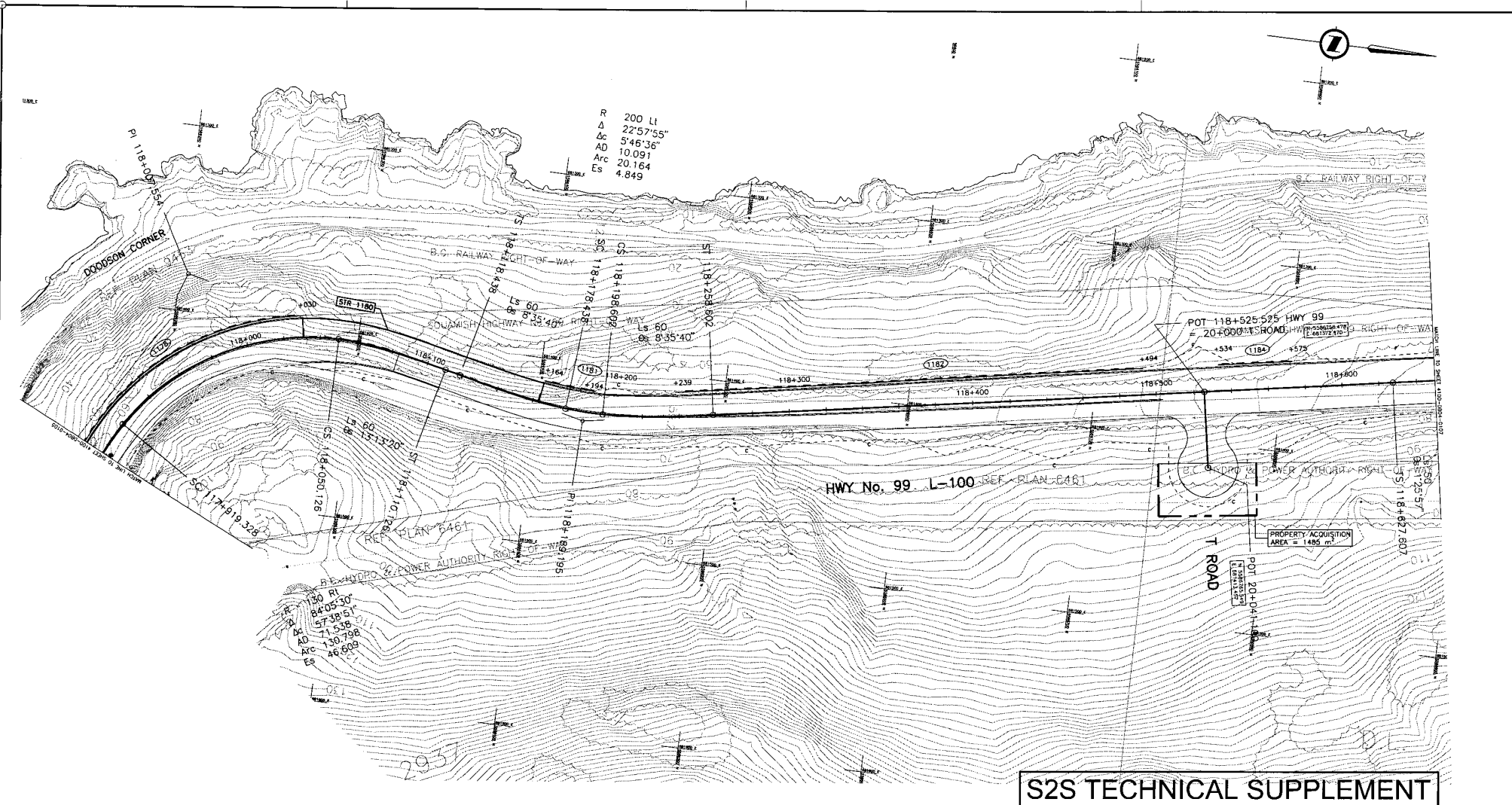
KEY PLAN

		DESIGNED: SJT CHECKED: ZS DRAWN: SJT APPROVED: [Signature] DATE: 04/12/28 DATE: 05/01/28 DATE: 05/07/28	
SCALE	0 1:1000 50	Rev	Date
PA 05/01/28 ISSUED FOR REVIEW PD 05/01/28 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		Description	Signature
REFERENCE DRAWINGS		REVISIONS	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

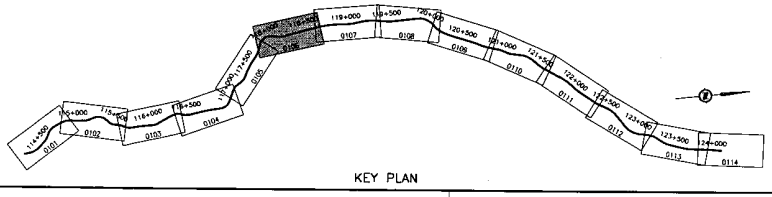
DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB4 - "M" CREEK TO PORTEAU COVE
 STA 117+150 TO STA 117+900

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-H	PROJECT No. 08901-ST53	REGION 1 DRAWING No. 41DD-DB04-0105 PB



S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



KEY PLAN

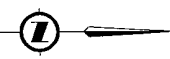
DWG. No.	Description

REFERENCE DRAWINGS

Rev.	Date	Description	Signature
PA	05/01/04	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REVISIONS

S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER PLAN			
DB4 - "M" CREEK TO PORTEAU COVE STA 117+900 TO STA 118+650			
Project Managers Hatch Mott MacDonald		Design Consultant Hatch Mott MacDonald	
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE:			
FILE No. 214753-EN10-H	PROJECT No. 08901-ST53	REDON 1	DRAWING No. 4100-DB04-0106 PB



R 475 Lt
 Δ 10°45'10"
 Δc 4°43'18"
 AD 19.583
 Arc 39.144
 Es 2.319

R 1000 Rt
 Δ 13°35'55"
 Δc 10°44'02"
 AD 93.945
 Arc 187.341
 Es 7.188

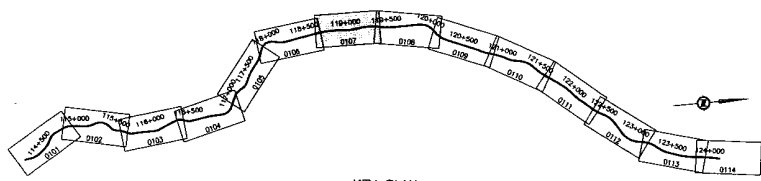
R 1000 Rt
 Δ 13°35'55"
 Δc 10°44'02"
 AD 93.945
 Arc 187.341
 Es 7.188

R 475 Rt
 Δ 16°29'25"
 Δc 10°27'33"
 AD 43.476
 Arc 86.710
 Es 5.183

HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



KEY PLAN

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SJT DATE: 04/03/06
 CHECKED: ZB DATE: 05/23/06
 DRAWN: SJT DATE: 05/23/04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 118+650 TO STA 119+400

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 41DD-DB04-0107 (PB)

R 475 Lt
 Δ 10°02'30"
 Δc 4'00'38"
 AD 16.631
 Arc 33.249
 Es 2.050

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SFT DATE 25/12/28
 CHECKED: ZE DATE 25/01/28
 DRAWN: SFT DATE 25/07/24
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

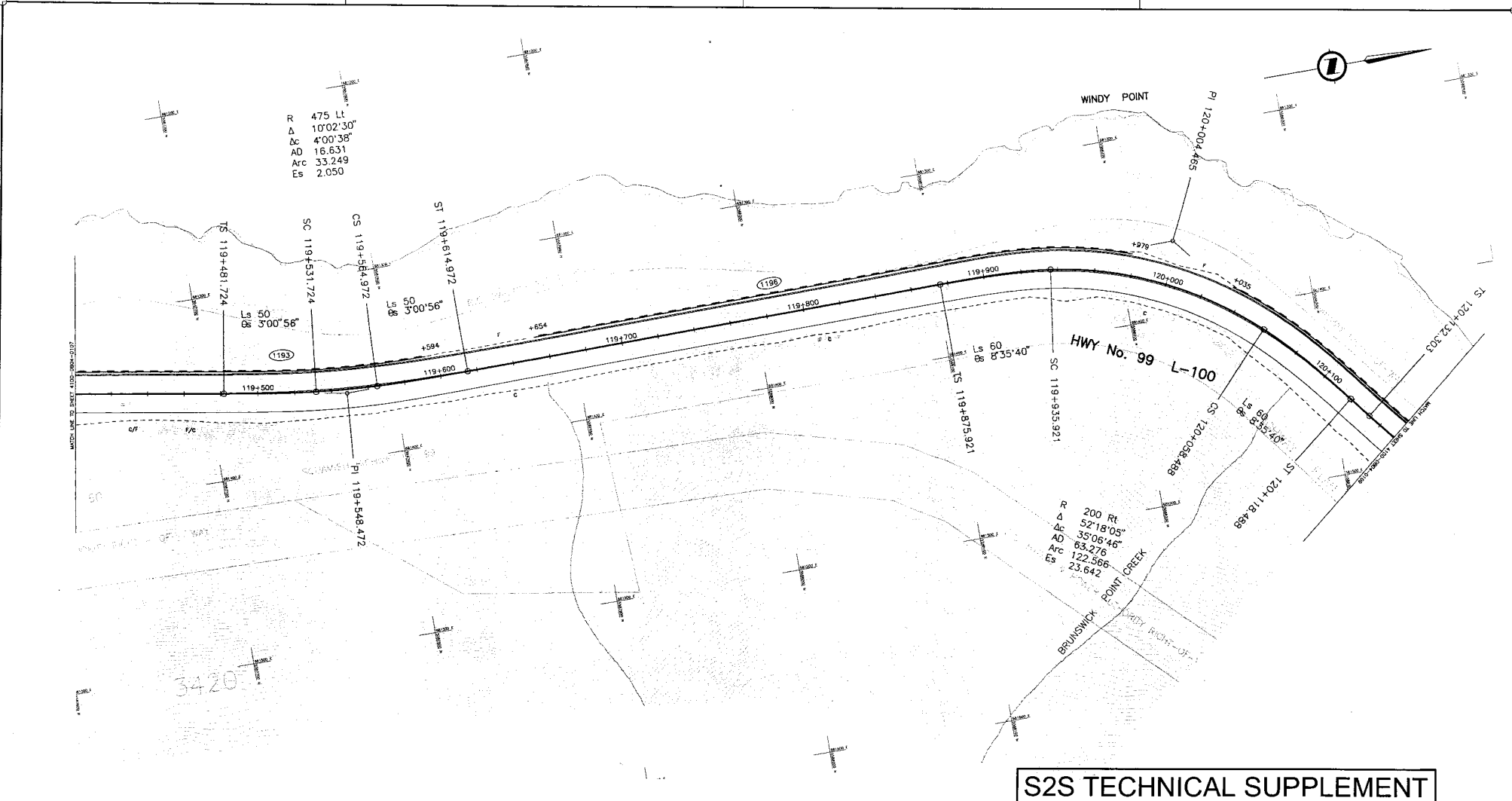
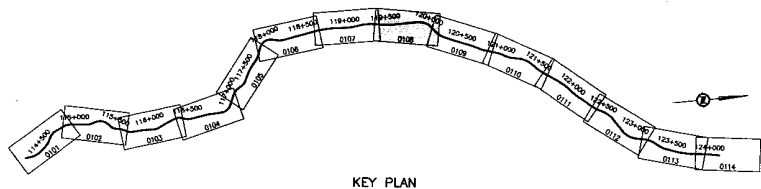
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 119+400 TO STA 120+150

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 DATE: _____
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB04-0108 (PB)

DWG. No.	Description	Rev.	Date	Description	Signature
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		PR	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	
REFERENCE DRAWINGS					

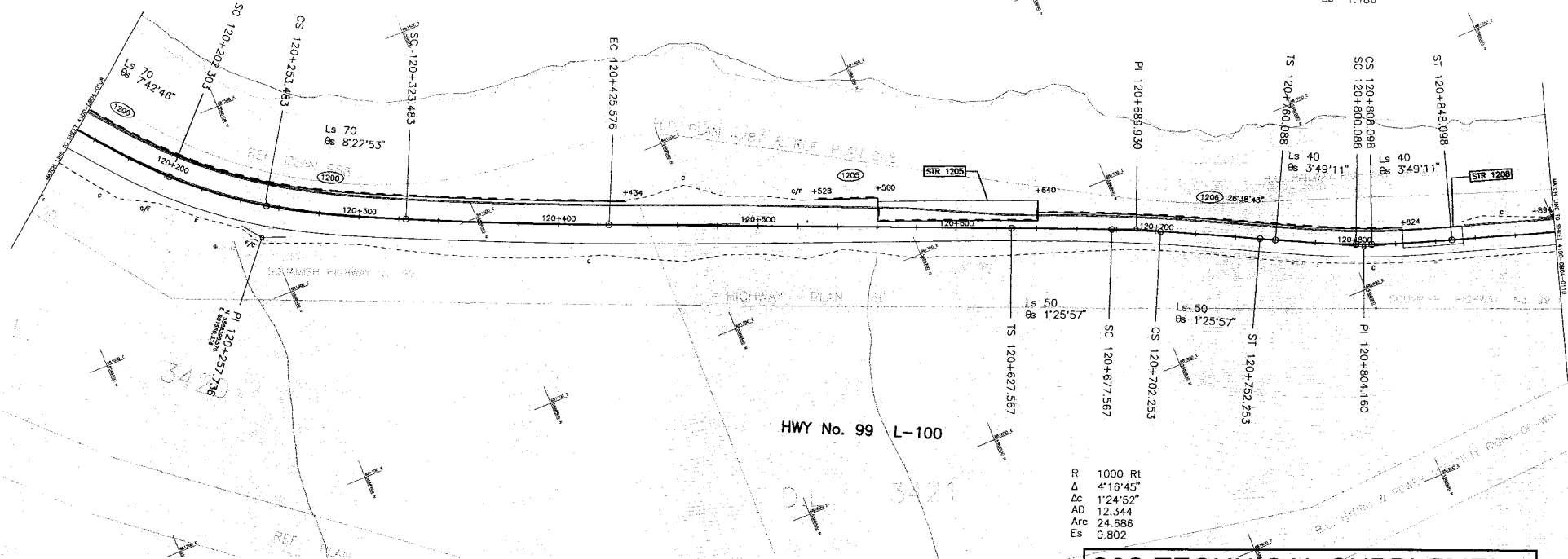
Rev.	Date	Description	Signature
REVISIONS			



R₁ 260 Lt
 Δ 31°21'42"
 Δc 11°16'43"
 AD 25.673
 Arc 51.181
 Es 8.467

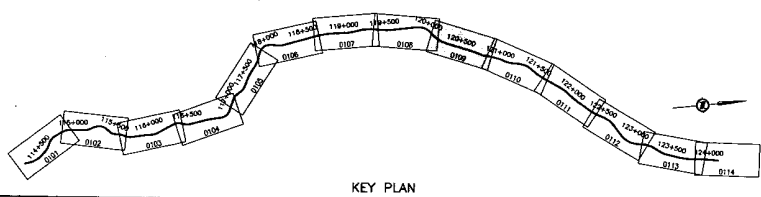
R₂ 3000 Lt
 Δ 31°21'42"
 Δc 11°56'59"
 AD 51.051
 Arc 102.093
 Es 0.434

R 300 Lt
 Δ 9°10'09"
 Δc 1°31'47"
 AD 4.005
 Arc 8.010
 Es 1.186



DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SJT DATE: 04/12/28
 CHECKED: JES DATE: 05/01/06
 DRAWN: SJT DATE: 05/01/04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 120+150 TO STA 120+900

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER
 DATE: _____
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB04-0109 [PB]

DWG. No.	Description	Rev	Date	Description	Signature
		PA	05/01/06	ISSUED FOR REVIEW	
		PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REFERENCE DRAWINGS

REVISIONS

R 500 Lt
 Δ 12°56'00"
 Δc 7'12'14"
 AD 31.474
 Arc 62.865
 Es 3.411

R 200 Lt
 Δ 18°24'05"
 Δc 1'12'45"
 AD 2.116
 Arc 4.233
 Es 3.366

R 260 Rt
 Δ 35°34'50"
 Δc 20'09'17"
 AD 46.207
 Arc 91.459
 Es 13.881

R 260 Rt
 Δ 11°46'21"
 Δc 2°57'28"
 AD 6.712
 Arc 13.421
 Es 1.636

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SFT DATE: 04/03/08
 CHECKED: JS DATE: 05/02/08
 DRAWN: SFT DATE: 05/02/08
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

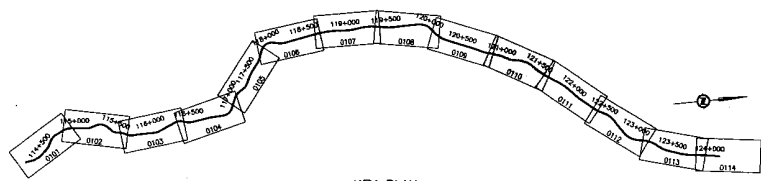
DB4 - "M" CREEK TO PORTEAU COVE
 STA 120+900 TO STA 121+650

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB04-0110 [PB]

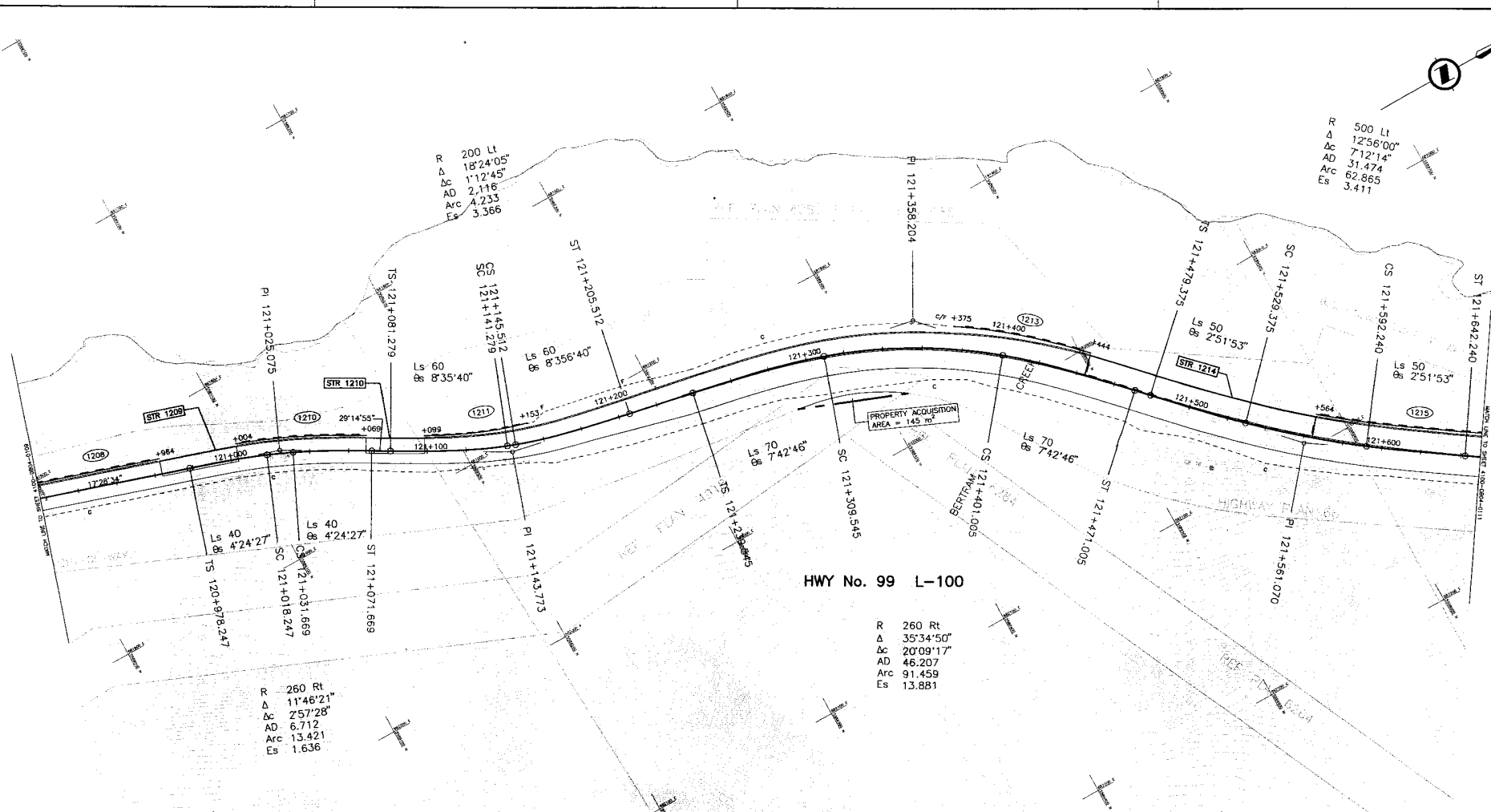
OWG No.	Description	Rev	Date	Description	Signature
		PA	05/01/08	ISSUED FOR REVIEW	
		PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

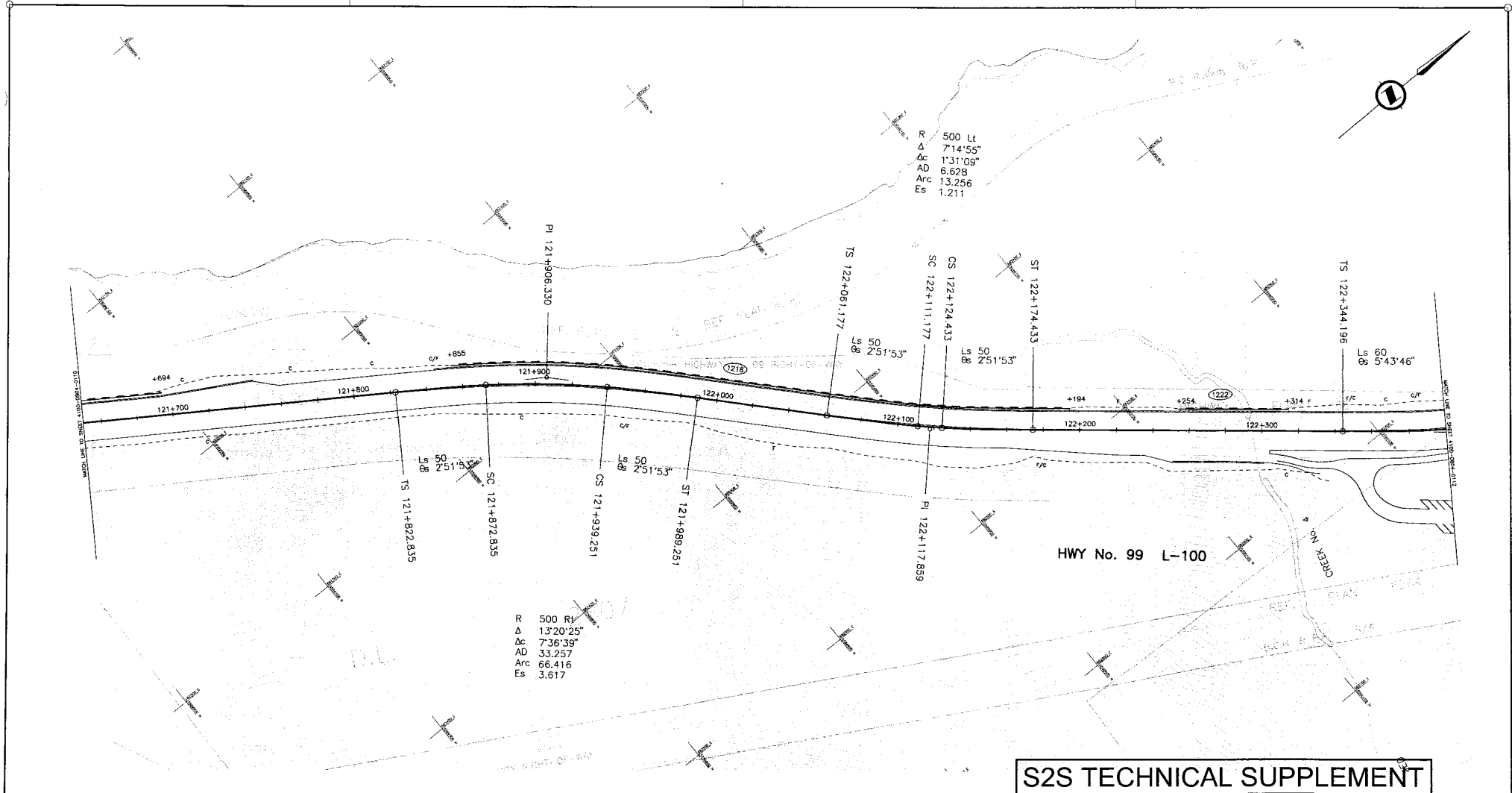
REFERENCE DRAWINGS

REVISIONS



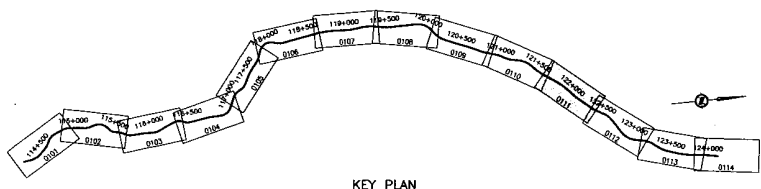
KEY PLAN





S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



 S2S TRANSPORTATION GROUP	 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																								
	DBFO – HORSESHOE BAY TO WHISTLER PLAN DB4 – "M" CREEK TO PORTEAU COVE STA 121+650 TO STA 122+400																								
SCALE 0 1:1000 50 DESIGNED: <u>SJT</u> DATE: 05/23/08 CHECKED: <u>RS</u> DATE: 05/21/08 DRAWN: <u>SJT</u> DATE: 05/01/08 APPROVED: _____ DATE: _____	Project Managers: Hatch Mott MacDonald Design Consultant: Hatch Mott MacDonald PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER DATE: _____ FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REVISION: 1 DRAWING No: 41DD-DB04-0111 (PB)																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>FA</td> <td>05/01/08</td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td></td> <td></td> <td>PS</td> <td>05/01/08</td> <td>ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT</td> <td></td> </tr> </tbody> </table>	DWG. No.	Description	Rev.	Date	Description	Signature			FA	05/01/08	ISSUED FOR REVIEW				PS	05/01/08	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS					
DWG. No.	Description	Rev.	Date	Description	Signature																				
		FA	05/01/08	ISSUED FOR REVIEW																					
		PS	05/01/08	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT																					
REVISIONS																									

R 300 Lt
 Δ 11°49'45"
 Δc 00°22'12"
 AD 0.969
 Arc 1.937
 Es 2.108

R 260 Lt
 Δ 48°30'25"
 Δc 33°04'52"
 AD 77.216
 Arc 150.187
 Es 26.037

R 300 Rt
 Δ 29°40'35"
 Δc 18°13'02"
 AD 48.098
 Arc 95.385
 Es 10.866

PROPERTY ACQUISITION
 AREA = 169 m²

PROPERTY ACQUISITION
 AREA = 130 m²

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SJT DATE 04/22/28
 CHECKED: ZS DATE 05/09/09
 DRAWING: SJT DATE 05/09/04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

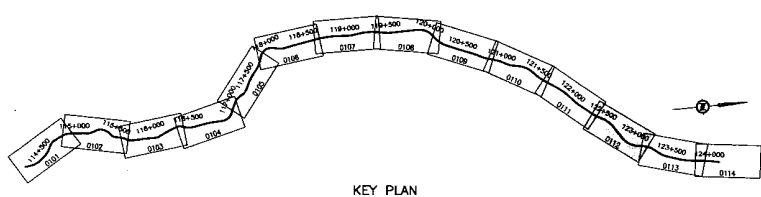
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 122+400 TO STA 123+150

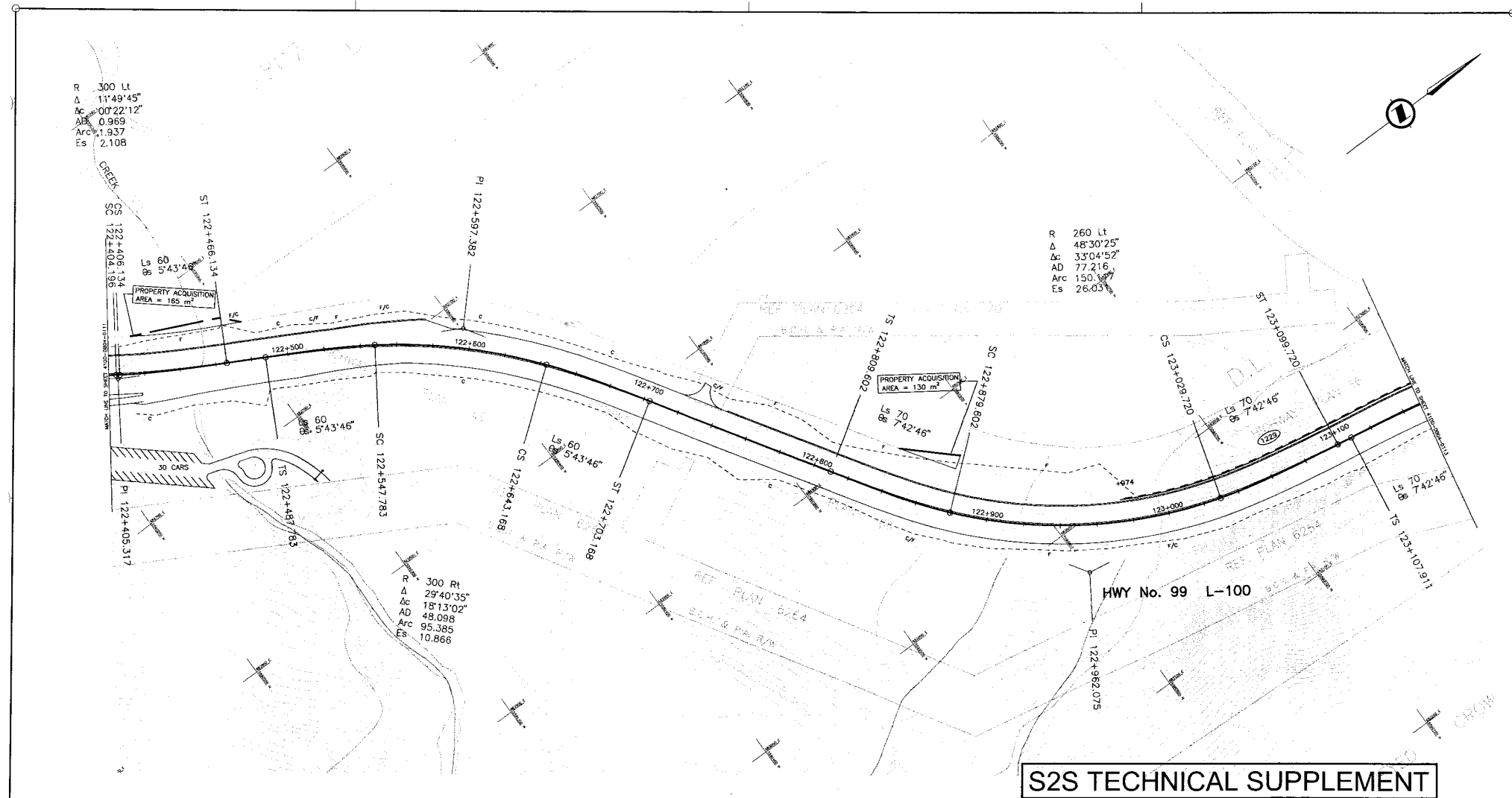
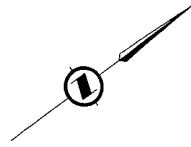
Project Managers: Hatch Mott MacDonald
 Design Consultant: Hatch Mott MacDonald
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

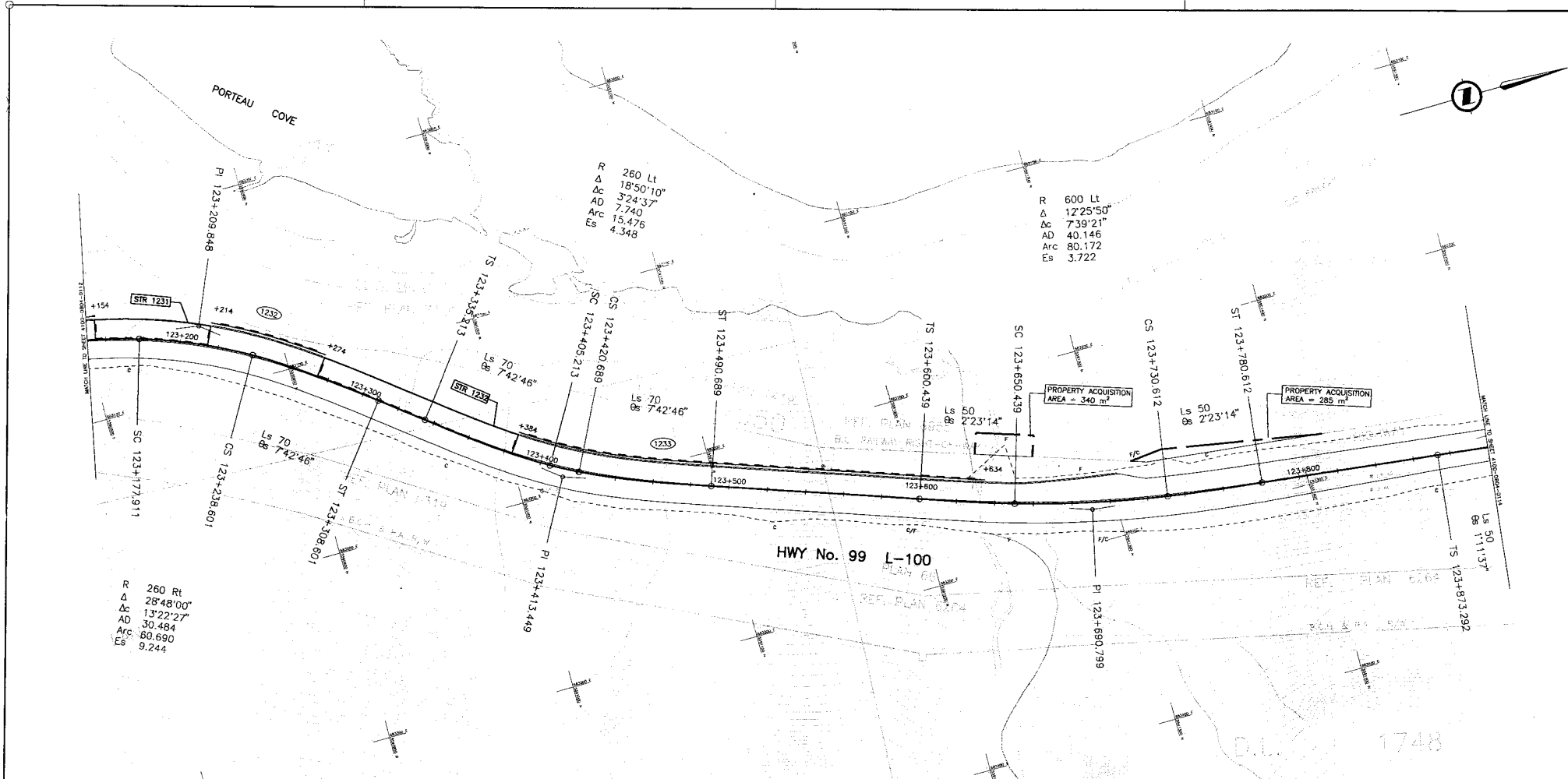
FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REVISION: 1 DRAWING No: 41DD-DB04-0112 [PB]

DWG. No.	Description	Rev.	Date	Description	Signature
FA	05/01/06 ISSUED FOR REVIEW				
PB	05/01/10 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT				
REFERENCE DRAWINGS		REVISIONS			



KEY PLAN





R 260 Rt
 Δ 28'48"00"
 Δc 13'22"27"
 AD 30.484
 Arc 80.690
 Es 9.244

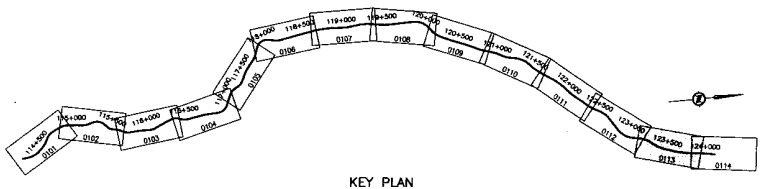
R 260 Lt
 Δ 18'50"10"
 Δc 3'24"37"
 AD 7.740
 Arc 15.475
 Es 4.348

R 600 Lt
 Δ 12'25"50"
 Δc 7'39"21"
 AD 40.146
 Arc 80.172
 Es 3.722

HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h



KEY PLAN

OWG. No.	Description

REFERENCE DRAWINGS

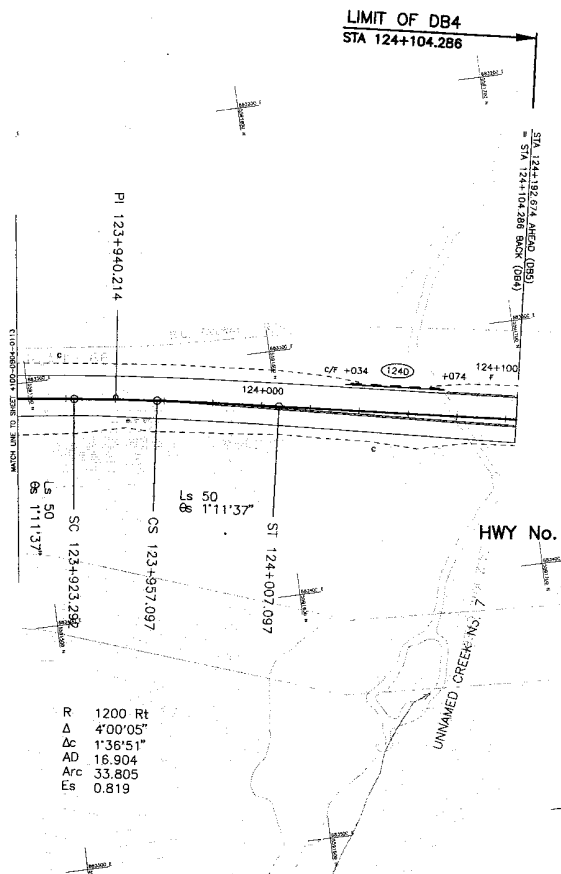
Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PS	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB4 - "M" CREEK TO PORTEAU COVE
 STA 123+150 TO STA 123+900

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

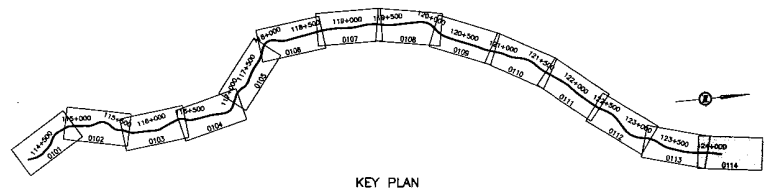
FILE No.: 214753-EN10-H
 PROJECT No.: 09901-ST3S
 REGION: 1
 DRAWING No.: 41DD-DB04-0113/PB



R 1200 Rt
 Δ 4'00'05"
 Δc 1'36'51"
 AD 16.904
 Arc 33.805
 Es 0.819

DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT



KEY PLAN

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

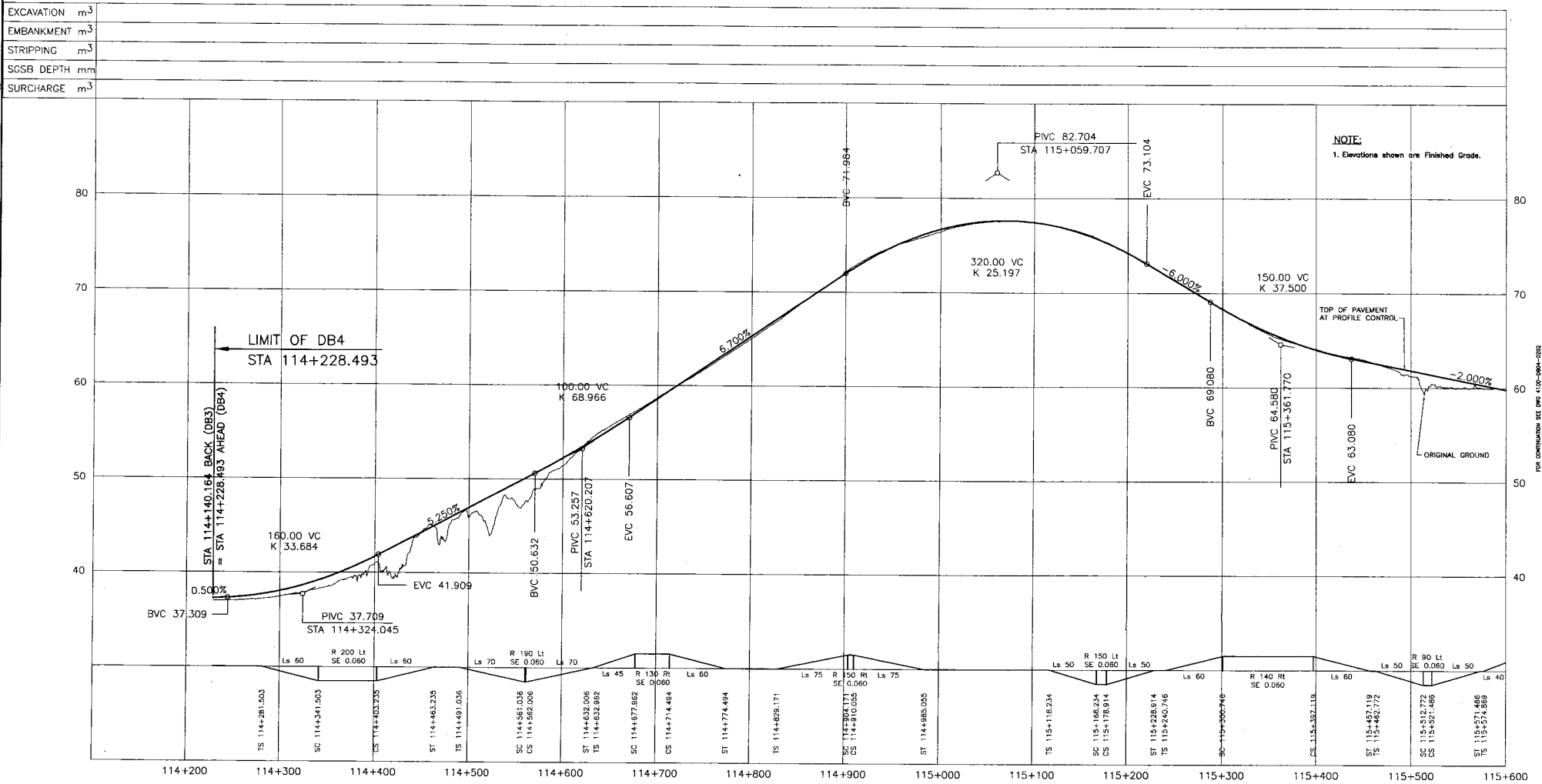
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB4 - "M" CREEK TO PORTEAU COVE
 STA 123+900 TO STA 124+104.286

Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DATE	ISSUING No. 41DD-DB04-0114	PB



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³

DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

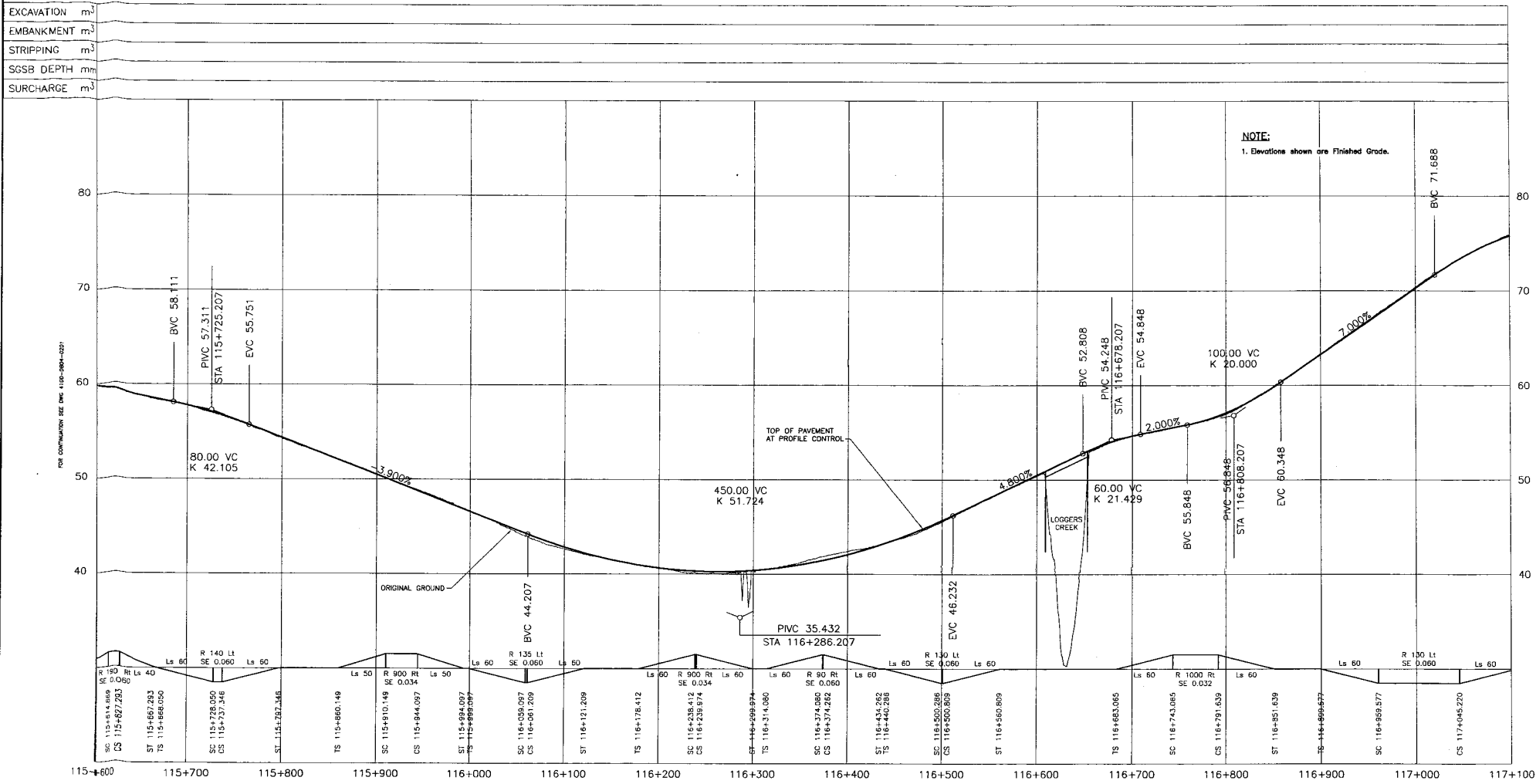
ISSUED: SE DATE: 04/2/08
SCALE: 0 Horiz. 1:2000 100 CHECKED: JZ DATE: 05/29/08
0 Vert. 1:200 10 DRAWN: JJJ DATE: 05/09/04
APPROVED: _____ DATE: _____

DB4 - "M" CREEK TO PORTEAU COVE
STA 114+228.493 TO STA 115+600.000

PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald SENIOR DESIGN ENGINEER
DATE: _____
PROJECT No. 09901-ST33 REGION 1 DRAWING No. 41DD-DB04-0201 PB

DWG. No.	Description	Rev.	Date	Description	Signature
PA	05/01/08 ISSUED FOR REVIEW				
PB	05/01/08 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT				

REFERENCE DRAWINGS REVISIONS



NOTE:
1. Elevations shown are Finished Grade.

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

Rev	Date	Description	Signature
FA	05/01/06	ISSUED FOR REVIEW	
FR	05/01/06	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE

DB4 - "M" CREEK TO PORTEAU COVE
STA 115+600.000 TO STA 117+100.000

Project Managers: Hatch Mott MacDonald
Design Consultant: Hatch Mott MacDonald
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 4100-DB04-0202PB

DWG. No.	Description	Rev	Date	Description	Signature

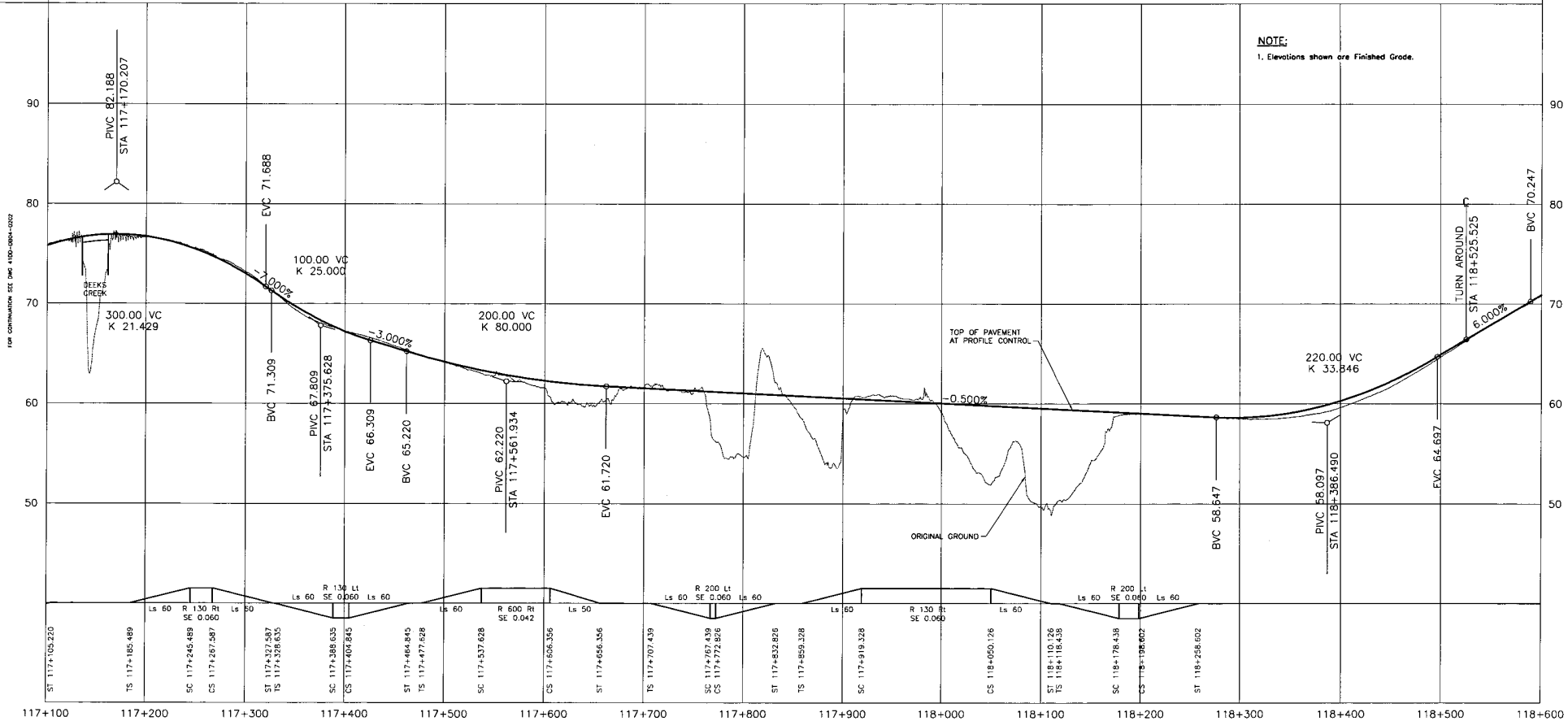
REFERENCE DRAWINGS

REVISIONS

Hatch Mott MacDonald

FOR CONTINUATION SEE DWG 4100-DB04-0203

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP
 SCALE: 0 Horiz 1:2000 100
 0 Vert. 1:200 10
 DESIGNED: SJF DATE: 04/12/28
 CHECKED: JS DATE: 05/01/28
 DRAWN: JS DATE: 05/01/28
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PROFILE

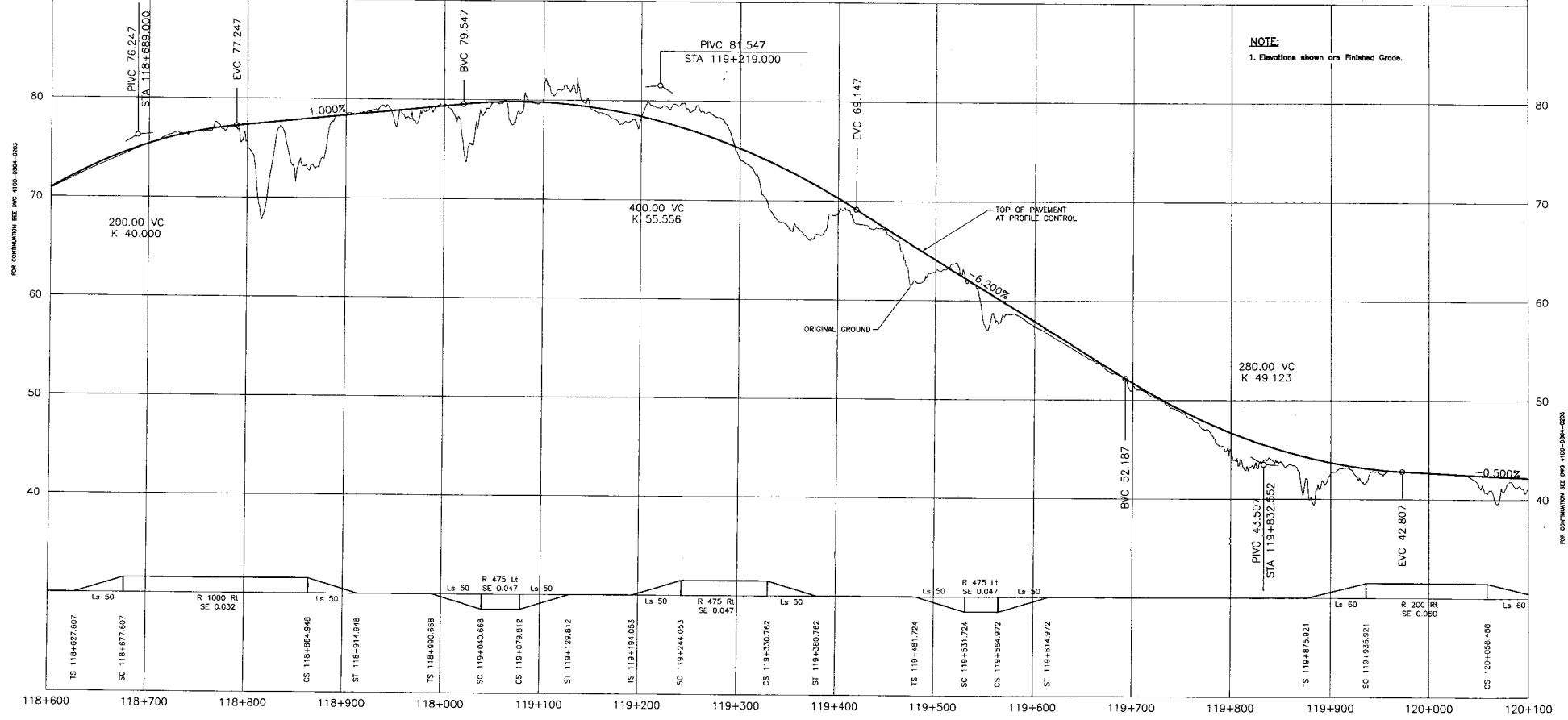
DB4 - 'M' CREEK TO PORTEAU COVE
 STA 117+100.000 TO STA 118+600.000
 Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB04-0203 PB

Rev	Date	Description	Signature
PA	05/01/28	ISSUED FOR REVIEW	
PB	05/01/28	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REFERENCE DRAWINGS REVISIONS

DATE PLOTTED: 05/01/28

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP

DESIGNED: *ST* DATE: 04/12/28
 CHECKED: *ES* DATE: 05/02/28
 DRAWN: *PJ* DATE: 05/01/24
 APPROVED: _____ DATE: _____

SCALE: Horiz: 1:2000
 Vert: 1:200

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

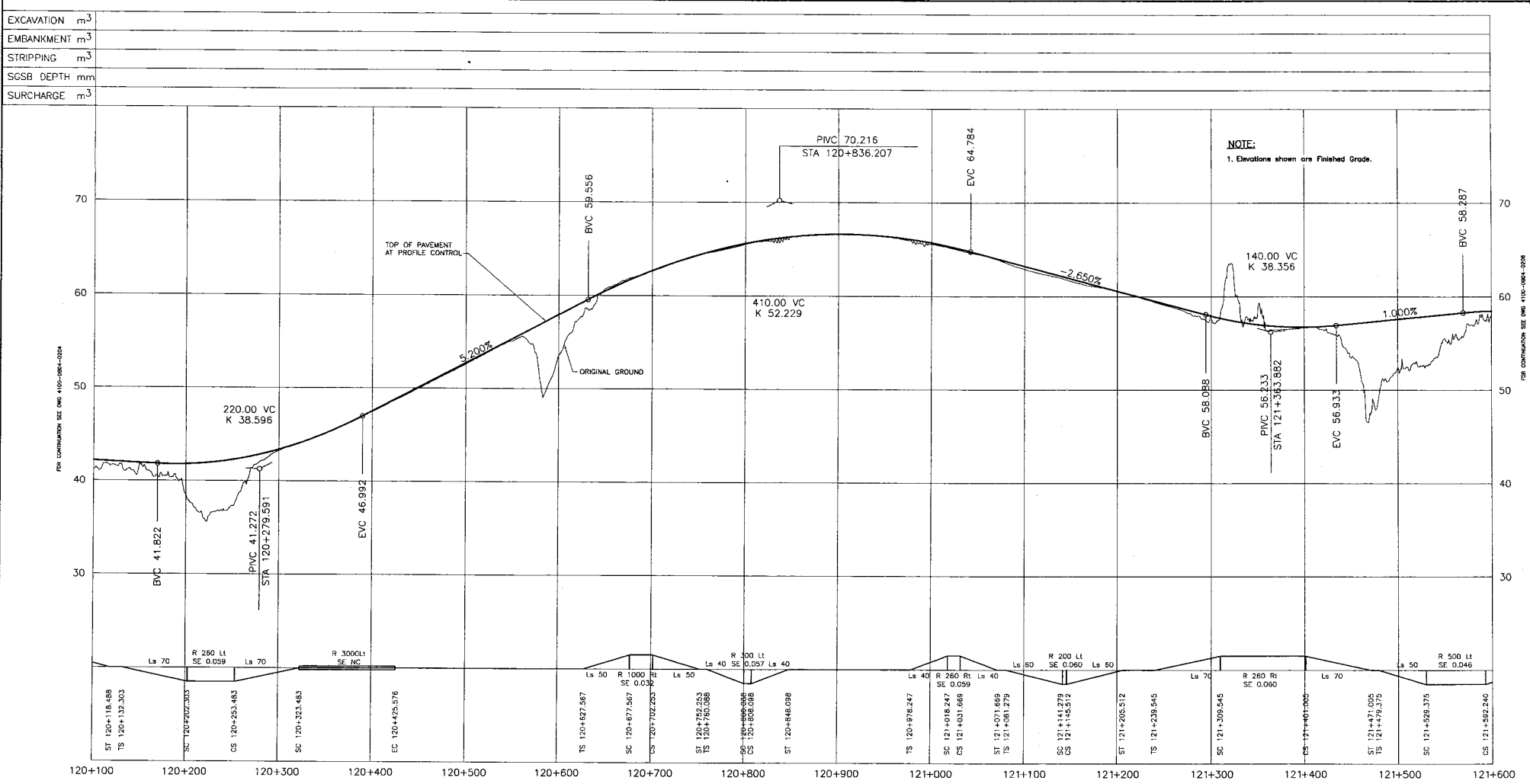
DB4 – "M" CREEK TO PORTEAU COVE
 STA 118+600.000 TO STA 120+100.000

Rev	Date	Description	Signature
PA	05/01/28	ISSUED FOR REVIEW	
PB	05/01/28	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER
 DATE: _____ DRAWING No.: _____

FILE No.: 214753-EN10-H
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB04-0204PB

REFERENCE DRAWINGS REVISIONS



NOTE:
1. Elevations shown are Finished Grade.

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³

DESIGN SPEED 80 km/h

S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP

DESIGNED BY: DATE: 04/23/08
 CHECKED BY: DATE: 05/01/08
 DRAWN BY: DATE: 05/01/08
 APPROVED: DATE:

SCALE: Horiz: 1:2000 100
 0 Vert: 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB4 - "M" CREEK TO PORTEAU COVE
 STA 120+100.000 TO STA 121+600.000

DWG No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW		05/01/08		
FB	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		05/01/08		

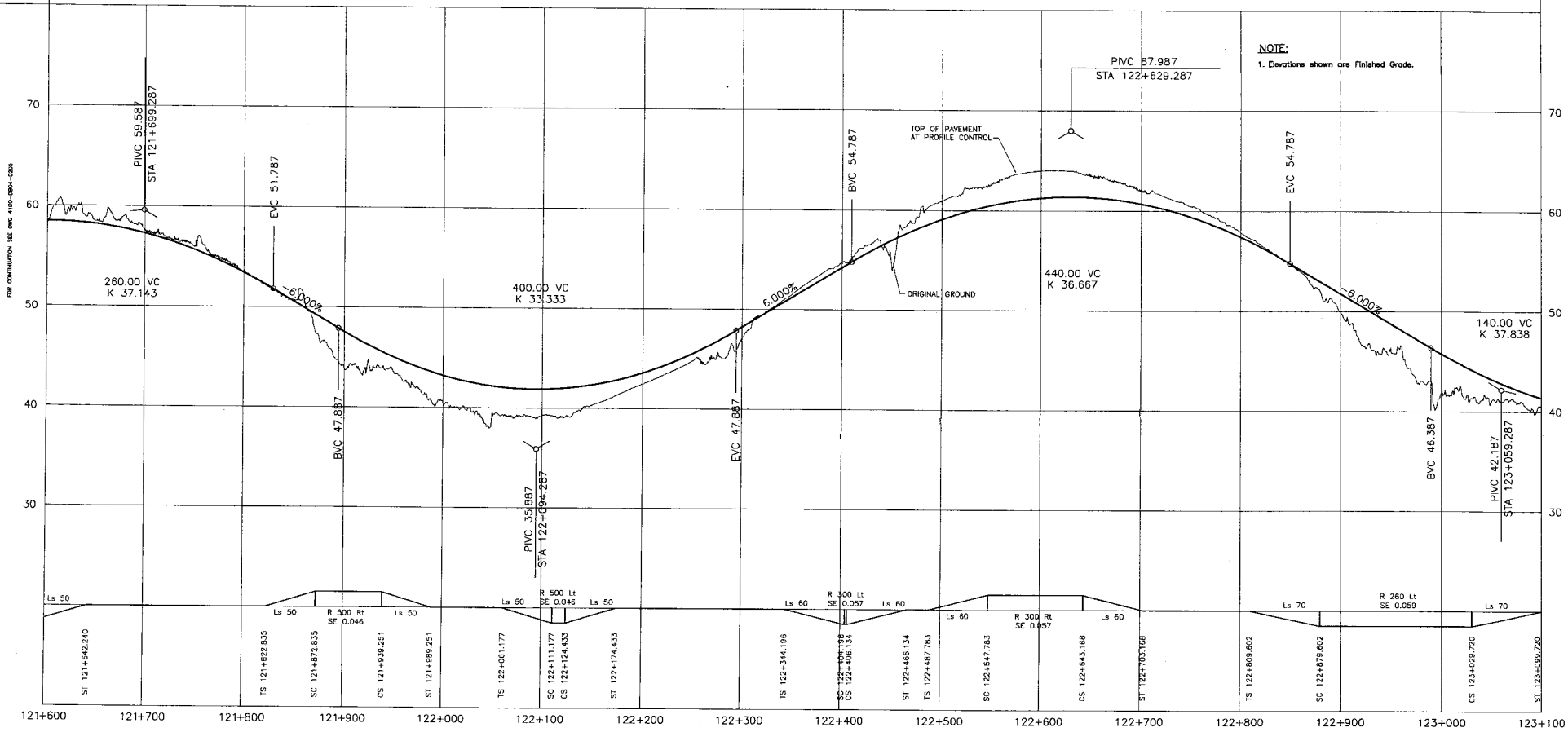
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 DATE: _____
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB04-0205PB

REFERENCE DRAWINGS

REVISIONS

FOR COMMUNICATION SEE DWG 110-0861-008

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

DESIGNED: SJT DATE: 05/03/08
 CHECKED: JSE DATE: 05/01/08
 DRAWN: PJ DATE: 05/07/04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

**DB4 - "M" CREEK TO PORTEAU COVE
 STA 121+600.000 TO STA 123+100.000**

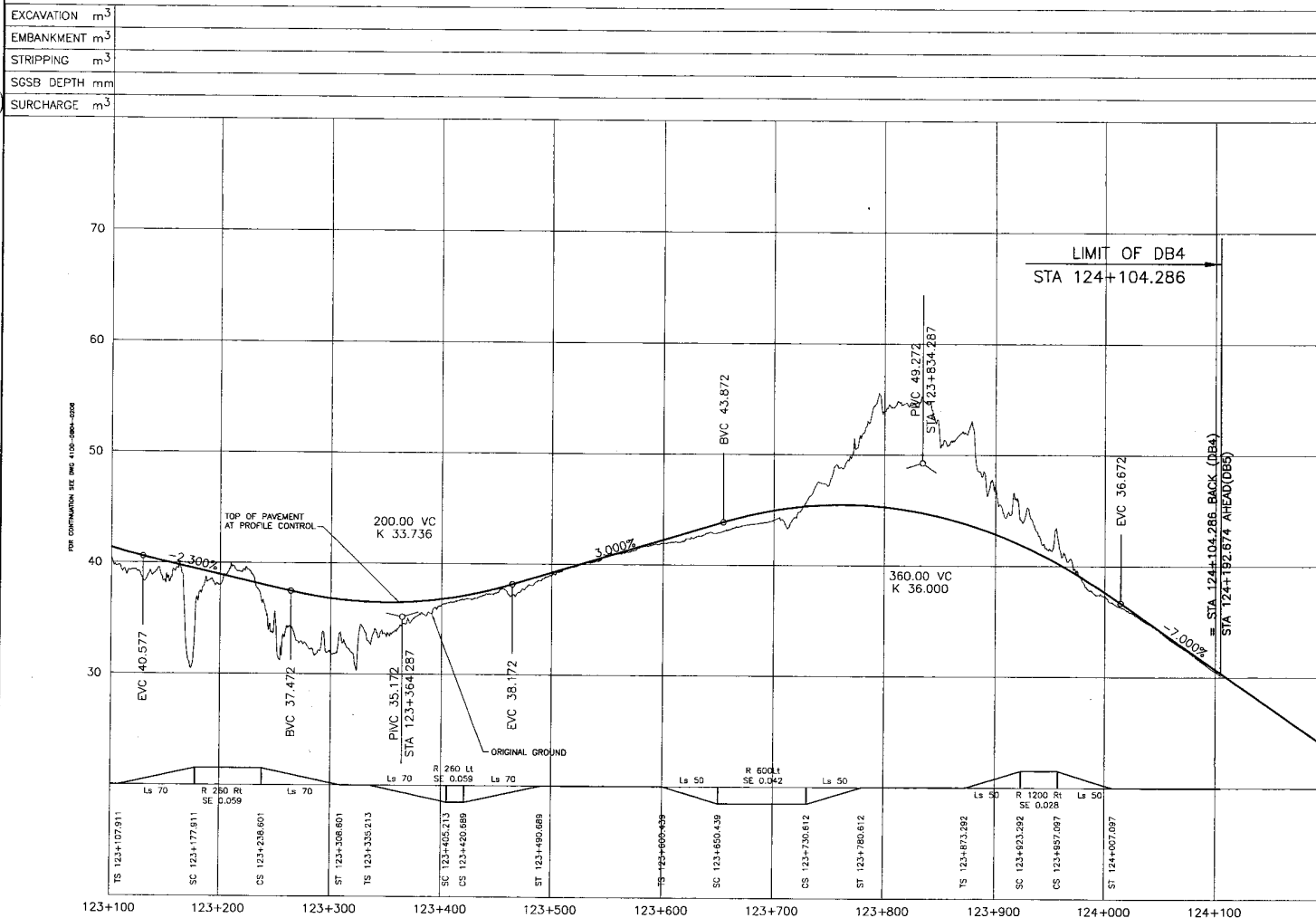
DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW		05/01/08		
PB	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		05/07/04		

Project Managers: **Hatch Mott MacDonald** Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 41DD-DB04-0206PB

REFERENCE DRAWINGS REVISIONS



NOTE:
1. Elevations shown are Finished Grade.

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB4 - "M" CREEK TO PORTEAU COVE
STA 123+100.000 TO STA 124+104.286

DESIGNED: SJT DATE: 04/23/08
SCALE: 0 Horiz: 1:2000 100 CHECKED: JS DATE: 05/09/08
0 Vert: 1:200 10 DRAWN: PJ DATE: 05/09/08
APPROVED: DATE:

Project Manager: Design Consultant: PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
DATE: _____

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW		05/01/08		
PB	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		05/01/08		

REFERENCE DRAWINGS

REVISIONS

FILE No. 214753-EN10-H

PROJECT No. 09901-S3S3

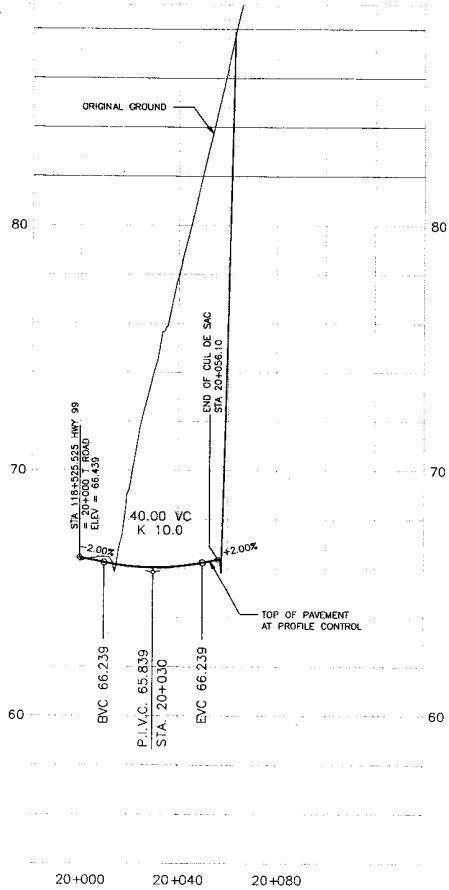
REGION 1

DRAWING No. 41DD-DB04-0207 PB

DATE PLOTTED: 05/09/08

EXCAVATION m³
 EMBANKMENT m³
 STRIPPING m³
 SGSB DEPTH mm
 SURCHARGE m³

NOTES
 1. ELEVATIONS SHOWN ARE FINISHED GRADE.

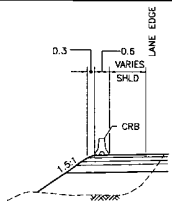


DESIGN SPEED 30 km/h

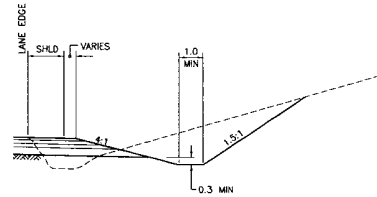
S2S TECHNICAL SUPPLEMENT

			MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
	DBFO - HORSESHOE BAY TO WHISTLER PROFILE T ROAD DB4 - "M" CREEK TO PORTEAU COVE STA 20+000 TO 20+056.10			
SCALE: Horiz. 1:1000, Vert. 1:100		DESIGNED: SJT, DATE 04/23/06 CHECKED: ZJ, DATE 05/29/06 DRAWN: JF, DATE 05/29/06 APPROVED: _____, DATE _____	Project Managers: _____ Design Consultant:	
PA 05/01/06 ISSUED FOR REVIEW PB 05/01/06 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: _____		
REFERENCE DRAWINGS		REVISIONS		
		FILE No. 214753-FN10-H	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 4100-DB04-0208/PB

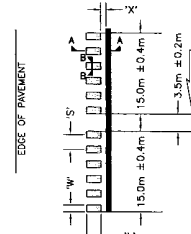
11/04/06 11:28 AM



FILL - WITH BARRIER

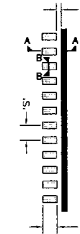


CUT - TYPE D



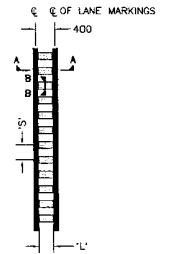
SHOULDER RUMBLE STRIP
DETAIL

SCALE: 1:50



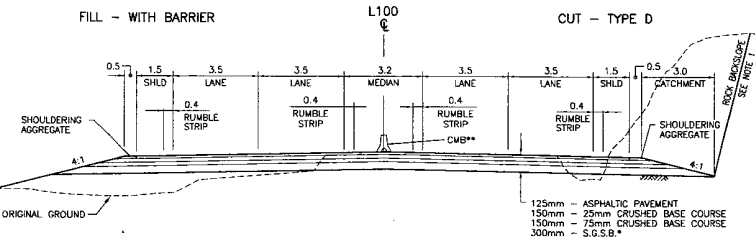
CENTRELINE RUMBLE STRIP
DETAIL (WITH MEDIAN)

SCALE: 1:50



CENTRELINE RUMBLE STRIP
DETAIL (WITHOUT MEDIAN)

(SEE NOTE 7)
SCALE: 1:50

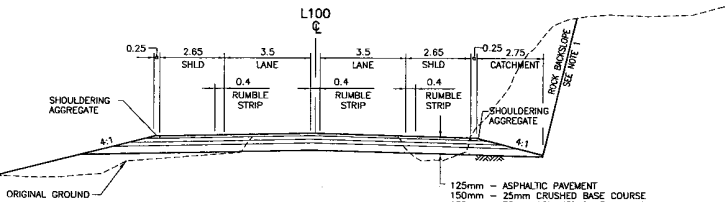


FILL - NO BARRIER

L100
4 LANE SECTION - RURAL
1:100

CUT - ROCK

125mm - ASPHALTIC PAVEMENT
150mm - 25mm CRUSHED BASE COURSE
150mm - 75mm CRUSHED BASE COURSE
300mm - S.G.S.B.*

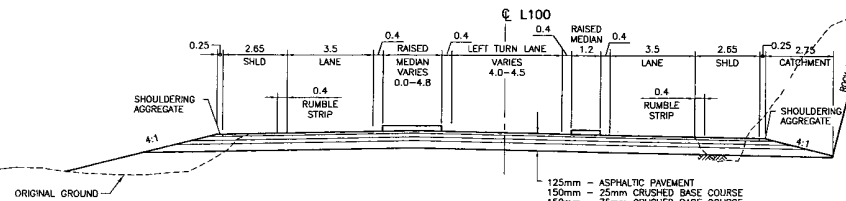


FILL - NO BARRIER

L100
2 LANE SECTION UNDIVIDED
1:100

CUT - ROCK

125mm - ASPHALTIC PAVEMENT
150mm - 25mm CRUSHED BASE COURSE
150mm - 75mm CRUSHED BASE COURSE
300mm - S.G.S.B.*

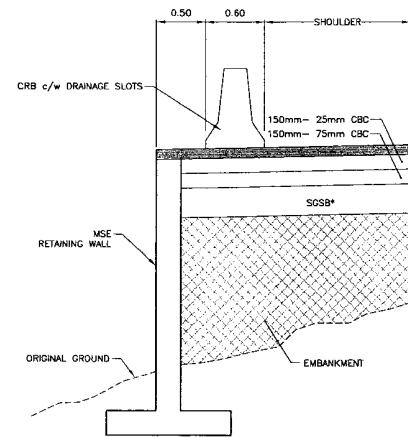


FILL - NO BARRIER

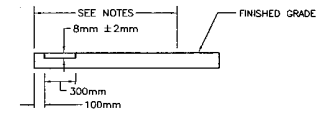
STA 118+303 TO STA 118+697
L100
CHANNELIZED "T" INTERSECTION AT STA 118+525.525
1:100

CUT - ROCK

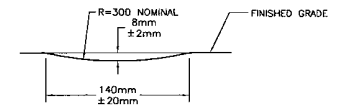
125mm - ASPHALTIC PAVEMENT
150mm - 25mm CRUSHED BASE COURSE
150mm - 75mm CRUSHED BASE COURSE
300mm - S.G.S.B.*



RETAINING WALL DETAIL
N.T.S.



SECTION A-A



SECTION B-B

NOTES FOR RUMBLE STRIPS:

1. OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ± 10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WIDTH.
2. LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
3. WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ± 2mm).
4. SPACING 'S' BETWEEN STRIPS IS 300mm.
5. FOR FURTHER DETAILS, SEE MoT TECHNICAL BULLETINS DS04001 AND DS04002.
6. CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN) SUBJECT TO MOT APPROVAL.
7. 400mm WIDTH BETWEEN LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.

S2S TECHNICAL SUPPLEMENT

NOTES

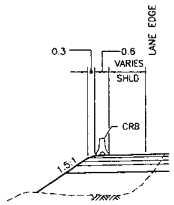
- * USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
 - ** LOCATION OF BARRIER VARIES WITHIN MEDIAN
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

<p>S2S TRANSPORTATION GROUP</p>		<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>	
<p>SCALE</p>		<p>DESIGNED: SJT DATE: 04/23/28 CHECKED: JS DATE: 05/03/08 DRAWN: SJT DATE: 05/03/04 APPROVED: DATE:</p>	
<p>DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS AND DETAILS</p>		<p>DB4 - "M" CREEK TO PORTEAU COVE</p>	
<p>Project Managers Hatch Mott MacDonald</p>		<p>Design Consultant Hatch Mott MacDonald</p>	
<p>PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER</p>		<p>DATE</p>	
<p>FILE NO. 214753-EN10-H</p>		<p>PROJECT NO. 09901-ST3S</p>	
<p>REGION 1</p>		<p>DRAWING NO. 41DD-DB04-0301 PB</p>	

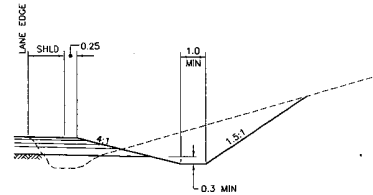
DWG. No.	Description	Rev.	Date	Description	Signature
PA 05/01/08	ISSUED FOR REVIEW				
PB 05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT				

REFERENCE DRAWINGS

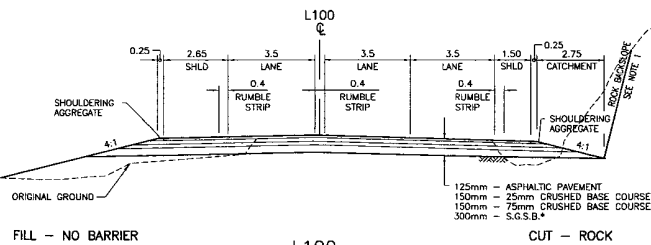
REVISIONS



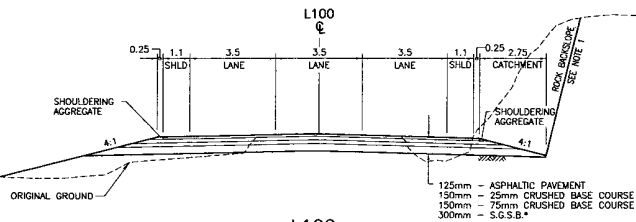
FILL - WITH BARRIER



CUT - TYPE D



L100
3 LANE SECTION UNDIVIDED
1:100



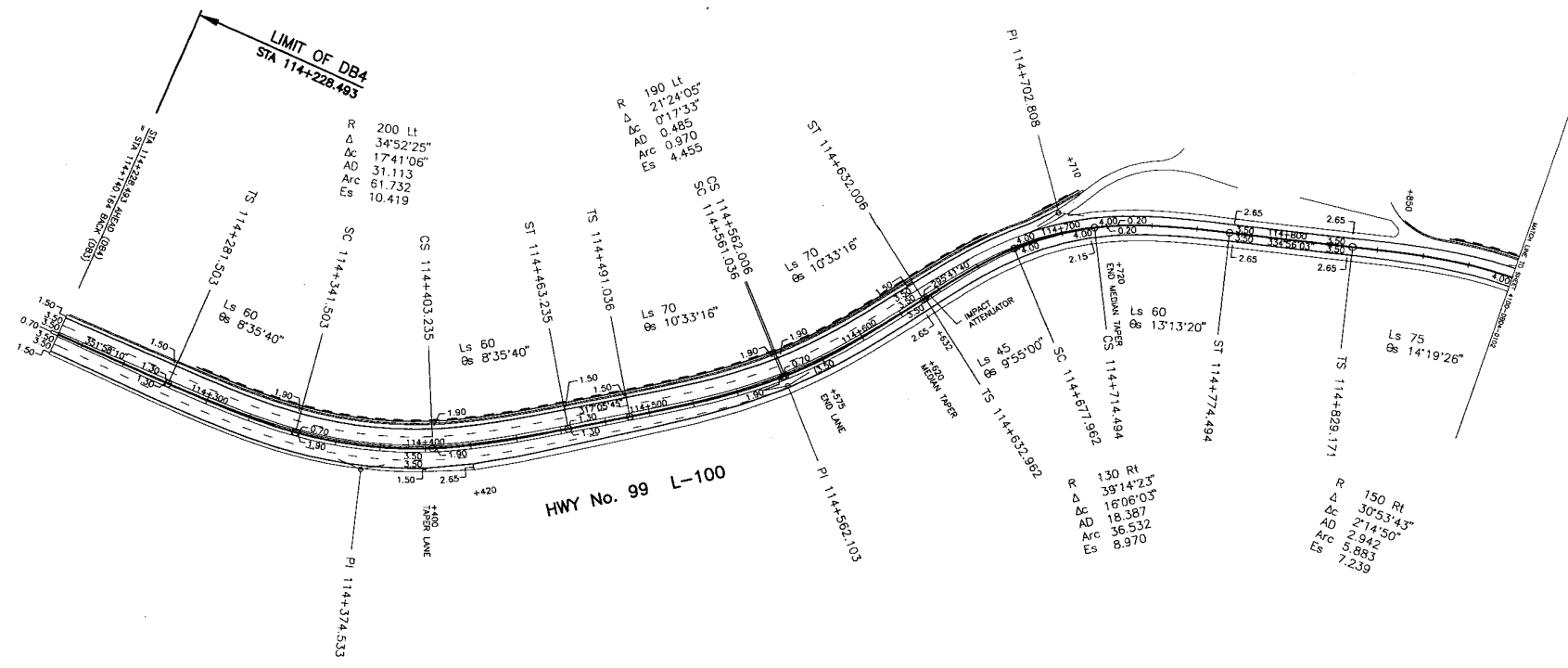
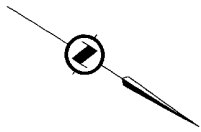
L100
3 LANE OLYMPIC SECTION UNDIVIDED (TEMPORARY)
1:100

NOTES

- * USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
- 1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

S2S TECHNICAL SUPPLEMENT

<p>S2S TRANSPORTATION GROUP</p>	<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>	
	<p>DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS AND DETAILS</p> <p>DB4 - "M" CREEK TO PORTEAU COVE</p>	
<p>DESIGNED <u>SJT</u> DATE <u>04/23/08</u></p> <p>CHECKED <u>JS</u> DATE <u>05/09/08</u></p> <p>DRAWN <u>SJT</u> DATE <u>05/09/04</u></p> <p>APPROVED _____ DATE _____</p>	<p>Project Managers _____ Design Consultant _____</p> <p> Hatch Mott MacDonald</p> <p>FILE No. _____ PROJECT No. _____ REGION _____</p>	
<p>PA 05/01/08 ISSUED FOR REVIEW</p> <p>PB 05/01/10 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT</p>	<p>PREPARED UNDER THE DIRECTION OF _____</p> <p>SENIOR DESIGN ENGINEER _____</p> <p>DATE _____ DRAWING No. _____</p>	
<p>REFERENCE DRAWINGS</p>	<p>REVISIONS</p>	



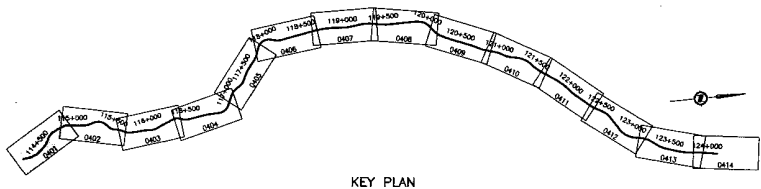
HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
SEE SHEET 41DD-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

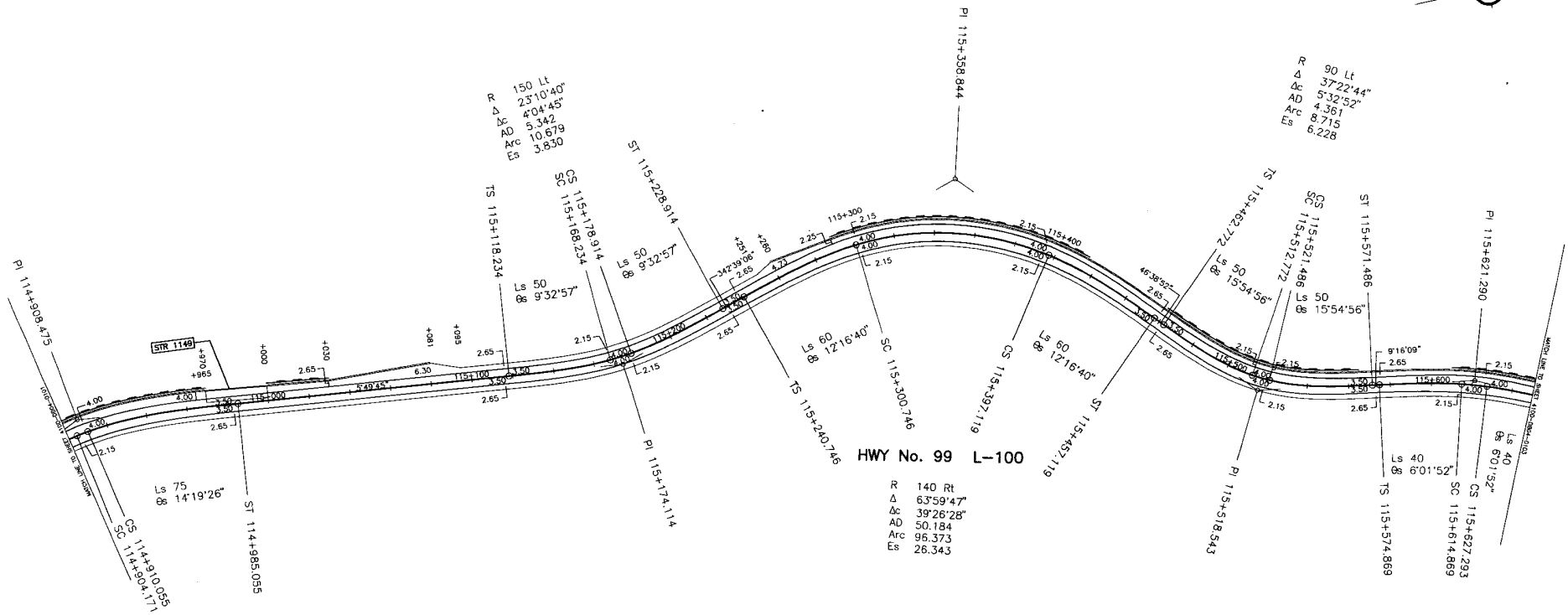
DWG. No.	Description	Rev.	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING	
DESIGNED: SUT DATE 04/12/28 CHECKED: FS DATE 05/02/06 DRAWN: SUT DATE 04/12/20 APPROVED: DATE:		DB4 - "M" CREEK TO PORTEAU COVE STA 114+228.493 TO STA 114+900	
PROJECT MANAGERS 		DESIGN CONSULTANT 	
FILE NO. 214753-EN10-H		PROJECT NO. 09901-ST53	
REGION 1		DRAWING NO. 41DD-DB04-0401 PB	

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER



HWY No. 99 L-100

R 140 Rt
 Δ 63°59'47"
 Δc 39°26'28"
 AD 50.184
 Arc 95.373
 Es 26.343

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 410D-DB04-0301 FOR MEDIAN DETAIL

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: S2S DATE: 04/22/08
 CHECKED: JS DATE: 05/01/08
 DRAWN: S2S DATE: 05/01/08
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 114+900 TO STA 115+850

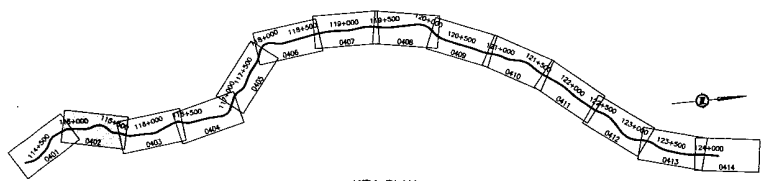
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 410D-DB04-0402(PB)

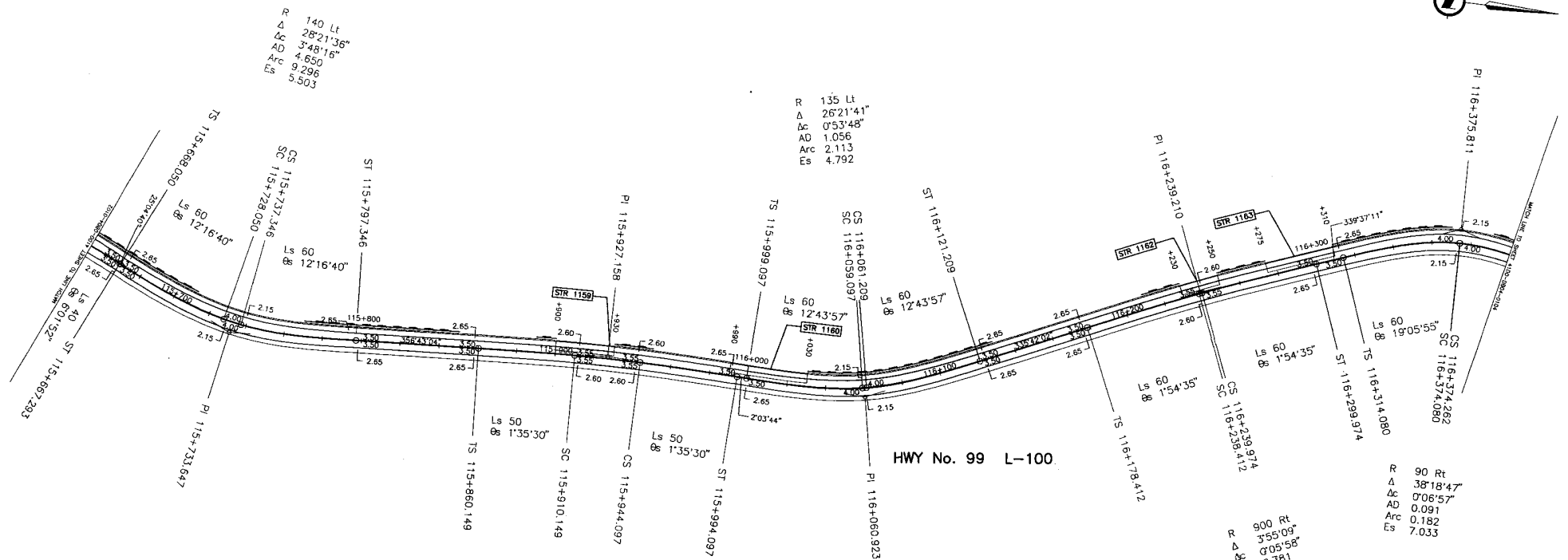
DWG. No.	Description	Rev.	Date	Description	Signature
PA	05/01/08	1	05/01/08	ISSUED FOR REVIEW	
PB	05/01/10	1	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REFERENCE DRAWINGS

REVISIONS



KEY PLAN



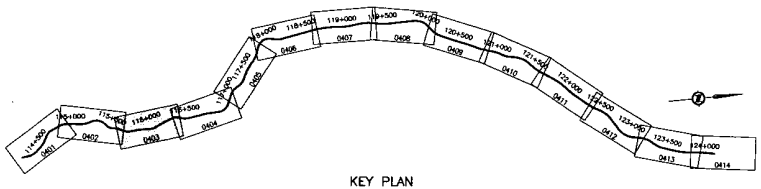
HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
SEE SHEET 4100-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

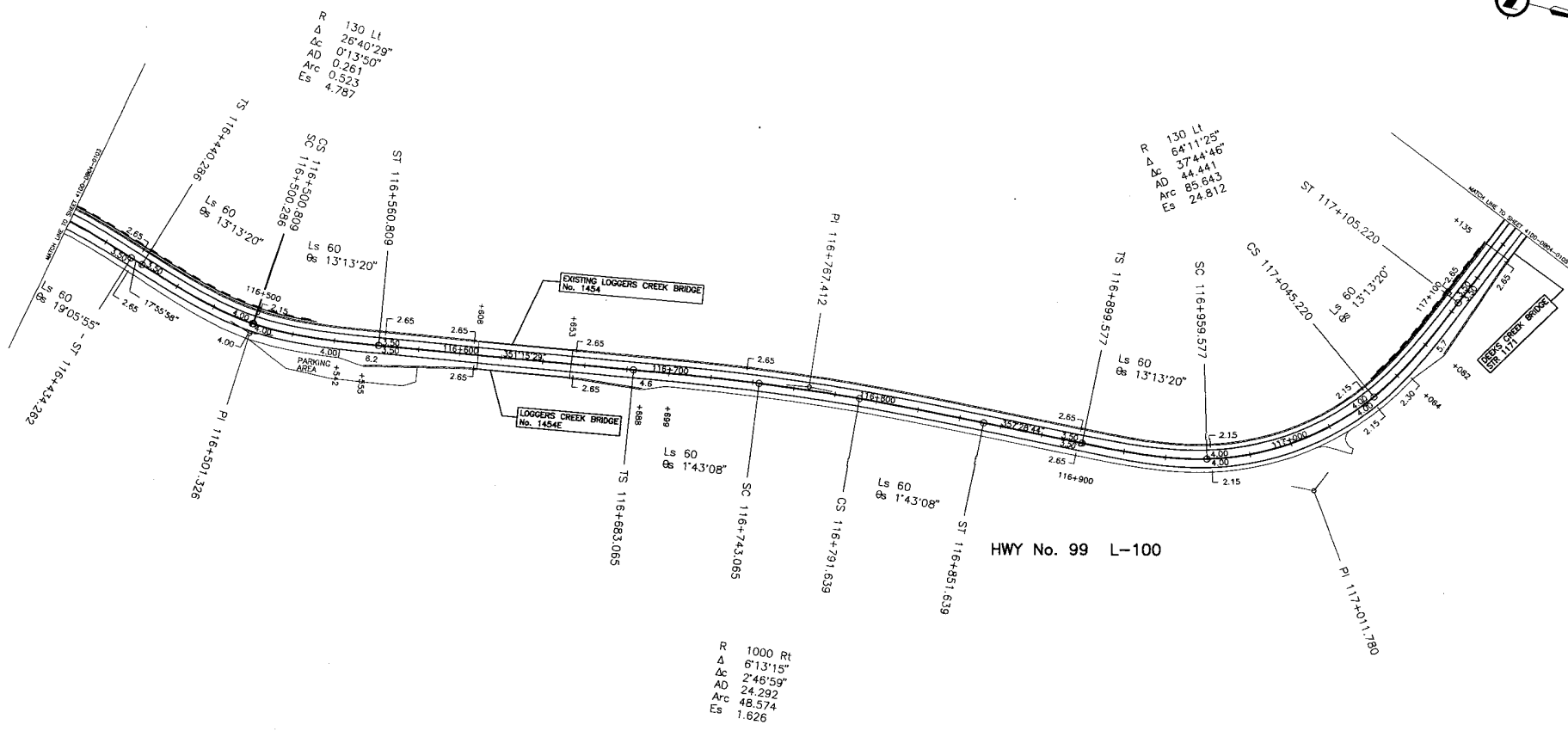
DESIGNED <u>SJT</u> DATE <u>01/22/08</u> CHECKED <u>EL</u> DATE <u>05/02/08</u> DRAWN <u>SJT</u> DATE <u>05/03/08</u> APPROVED _____ DATE _____		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB4 - "M" CREEK TO PORTEAU COVE STA 115+650 TO STA 116+400	
Rev	Date	Description	Signature
PA	05/01/08	ISSUED FOR REVIEW	
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF	
SENDY DESIGN ENGINEER DATE _____		FILE NO.	DRAWING NO.
214753-EN10-H	09901-S2S3	1	41DD-DB04-0403/PB

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS



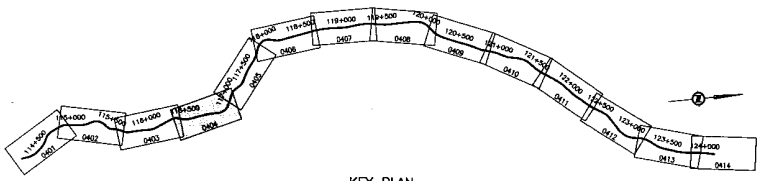
R 1000 Lt
 Δ 6°13'15"
 Δc 2°46'59"
 AD 24.292
 Arc 48.574
 Es 1.626

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

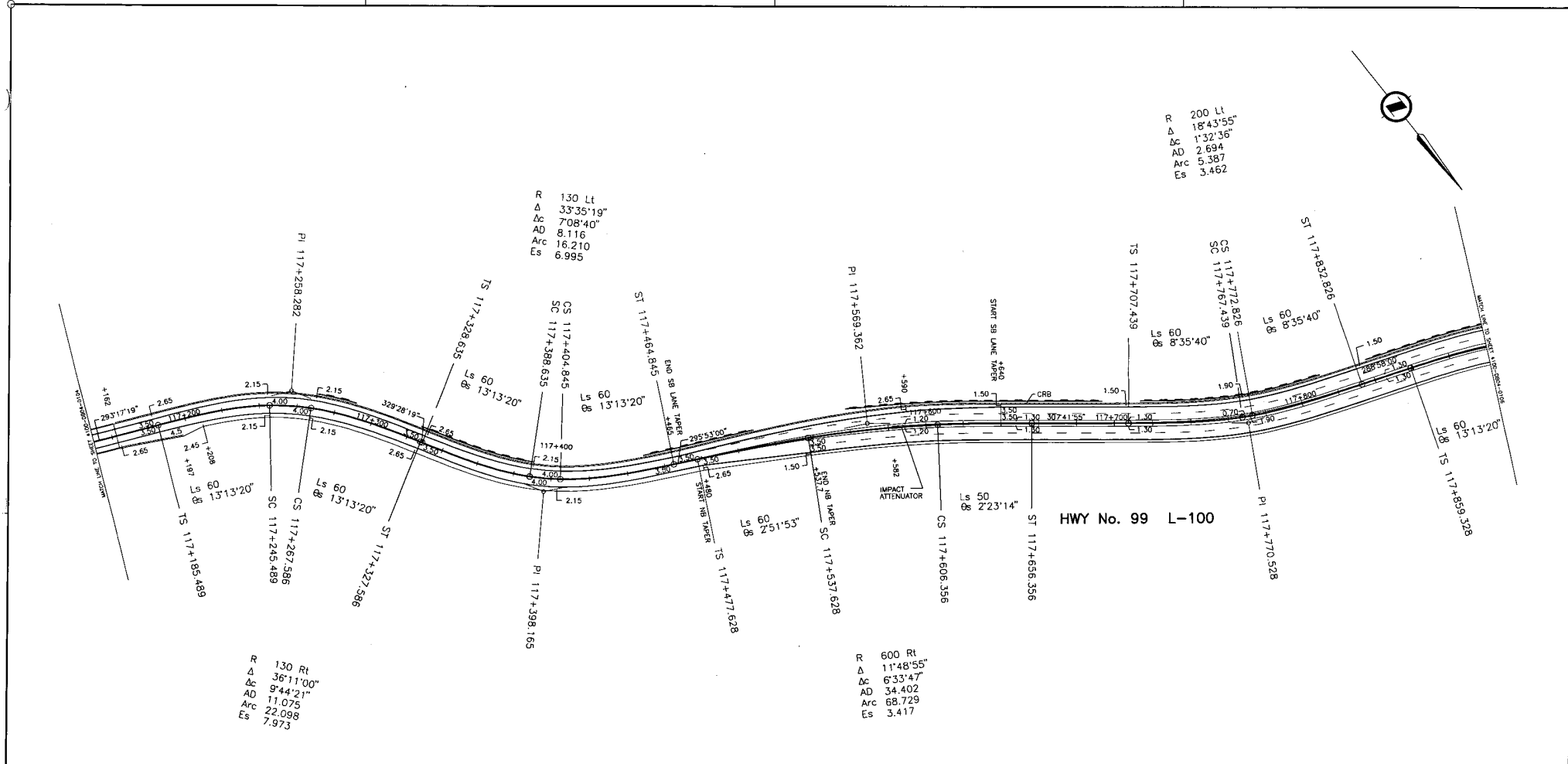
NOTE
 SEE SHEET 4100-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

S2S TRANSPORTATION GROUP SCALE 0 1:1000 30 DESIGNED: <u> </u> DATE: 04/23/08 CHECKED: <u> </u> DATE: 05/02/08 DRAWN: <u> </u> DATE: 05/01/08 APPROVED: <u> </u> DATE: <u> </u>		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB4 - "M" CREEK TO PORTEAU COVE STA 116+400 TO STA 117+150	
REV	DATE	DESCRIPTION	SIGNATURE
PA	05/01/08	ISSUED FOR REVIEW	
PB	05/01/08	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	
REFERENCE DRAWINGS		REVISIONS	

PROJECT MANAGERS Hatch Mott MacDonald		DESIGN CONSULTANT Hatch Mott MacDonald	
FILE NO. 214753-EN10-H		PROJECT NO. 09901-ST53	
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: <u> </u>		REGION 1	
DRAWING NO. 41DD-DB04-0404		PB	



R 200 Lt
 Δ 18°43'55"
 Δc 1'32'36"
 AD 2.694
 Arc 5.387
 Es 3.462

R 130 Lt
 Δ 33°35'19"
 Δc 7°08'40"
 AD 8.116
 Arc 16.210
 Es 6.995

R 130 Rt
 Δ 36°11'00"
 Δc 9°44'21"
 AD 11.075
 Arc 22.098
 Es 7.973

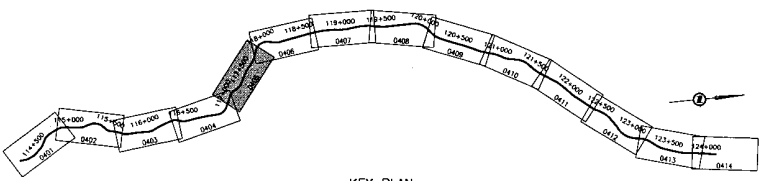
R 600 Rt
 Δ 11°48'55"
 Δc 6°33'47"
 AD 34.402
 Arc 68.729
 Es 3.417

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 41DD-DB04-0301 FOR MEDIAN DETAIL




KEY PLAN

DWG. No.	Description	Rev	Date	Signature


REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	05/21/28	ISSUED FOR REVIEW	
PB	05/01/18	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	


REVISIONS



S2S TRANSPORTATION GROUP



MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT



DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANNING

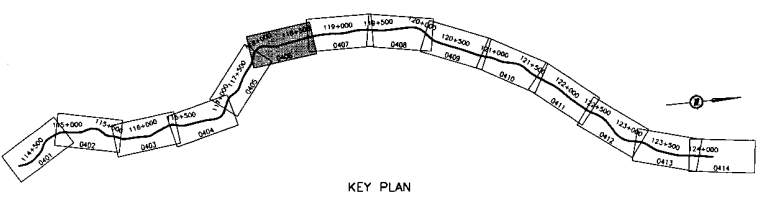
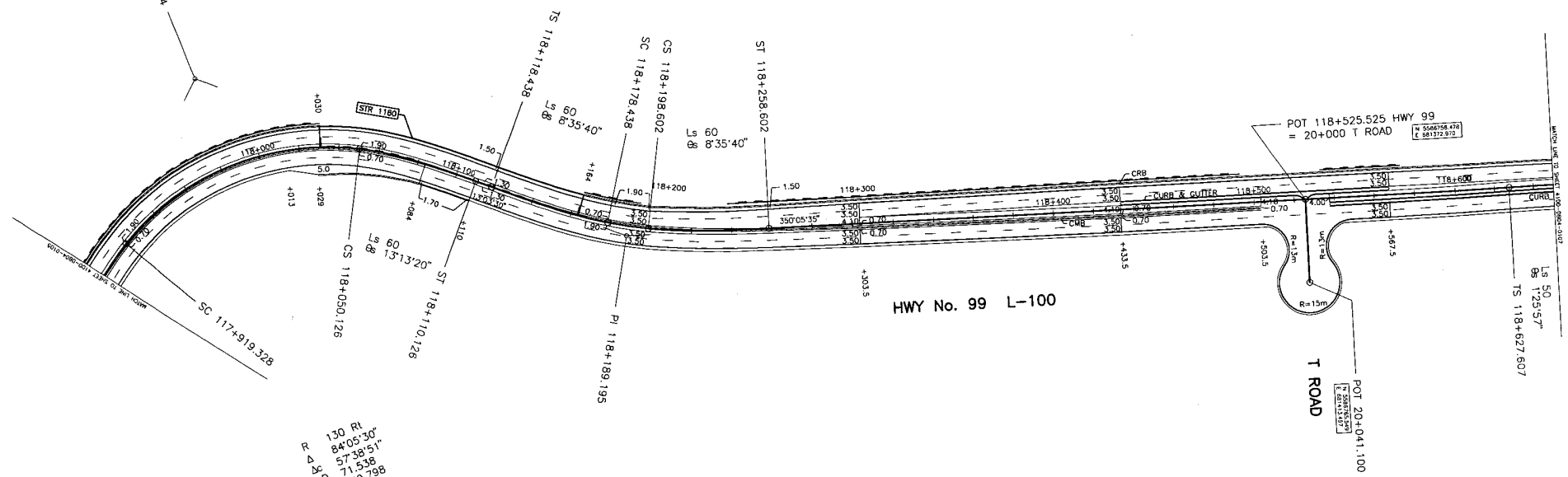
DB4 - "M" CREEK TO PORTEAU COVE
 STA 117+150 TO STA 117+900

Project Managers Hatch Mott MacDonald	Design Consultant Hatch Mott MacDonald	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST33	DATE 1 41DD-DB04-0405 PB



R 200 Lt
 Δ 22°57'55"
 Δc 5'46'36"
 AD 10.091
 Arc 20.164
 Es 4.849

R 130 Rt
 Δ 84°05'30"
 Δc 57'38'51"
 AD 71.538
 Arc 130.798
 Es 46.609



KEY PLAN

DESIGN SPEED 80 Km/h
 ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 4100-DB04-0301 FOR MEDIAN DETAIL

S2S TECHNICAL SUPPLEMENT

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED ST DATE 26/12/28
 CHECKED TS DATE 29/01/29
 DRAWN SC DATE 29/01/29
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 117+900 TO STA 118+650

Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PB	05/01/16	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

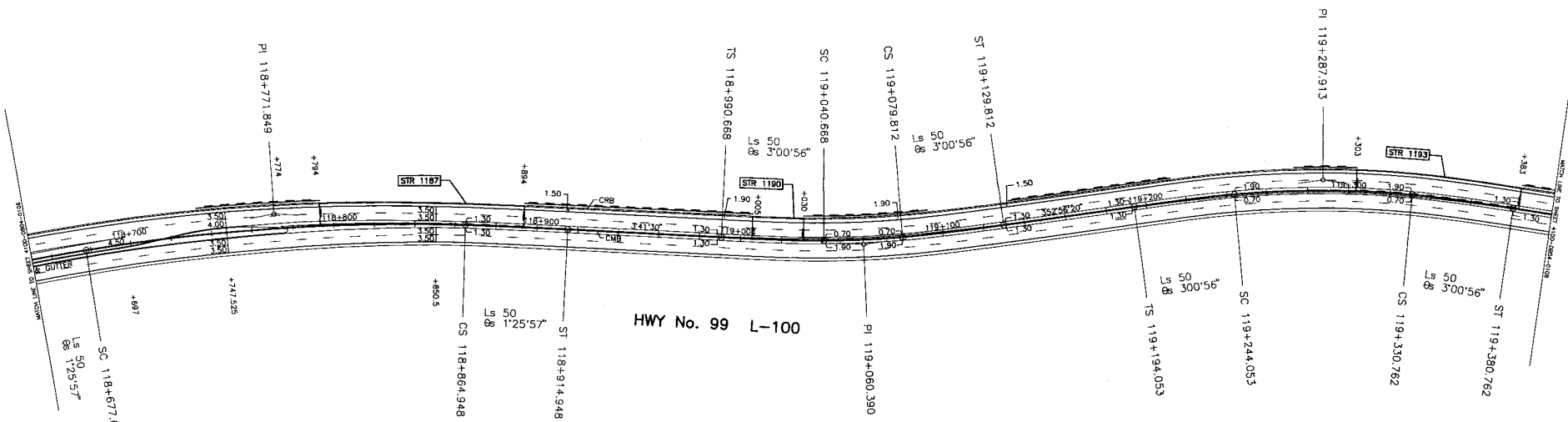
DWG No.	Description

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB04-0406 | PE

PLANNED DATE: BEARING: GRAPHIC LETTERS



R 475 Lt
 Δ 10°45'10"
 Δc 4'43'18"
 AD 19.583
 Arc 39.144
 Es 2.319



HWY No. 99 L-100

R 1000 Rt
 Δ 13°35'55"
 Δc 10°44'02"
 AD 93.945
 Arc 187.341
 Es 7.188

R 1000 Rt
 Δ 13°35'55"
 Δc 10°44'02"
 AD 93.945
 Arc 187.341
 Es 7.188

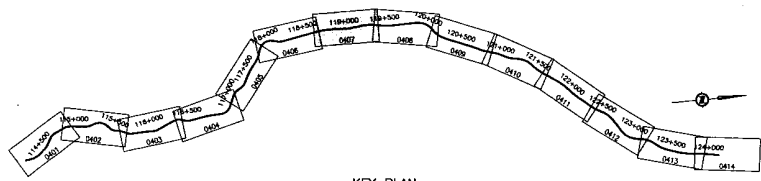
R 475 Rt
 Δ 16°29'25"
 Δc 10°27'33"
 AD 43.476
 Arc 86.710
 Es 5.183

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 4100-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SFT DATE: 04/23/08
 CHECKED: SE DATE: 05/01/08
 DRAWN: SFT DATE: 05/01/08
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 118+650 TO STA 119+400

DWG. No.	Description	Rev	Date	Description	Signature
		PA	05/01/08	ISSUED FOR REVIEW	
		PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **Hatch Mott MacDonald**

SENIOR DESIGN ENGINEER: **Hatch Mott MacDonald**

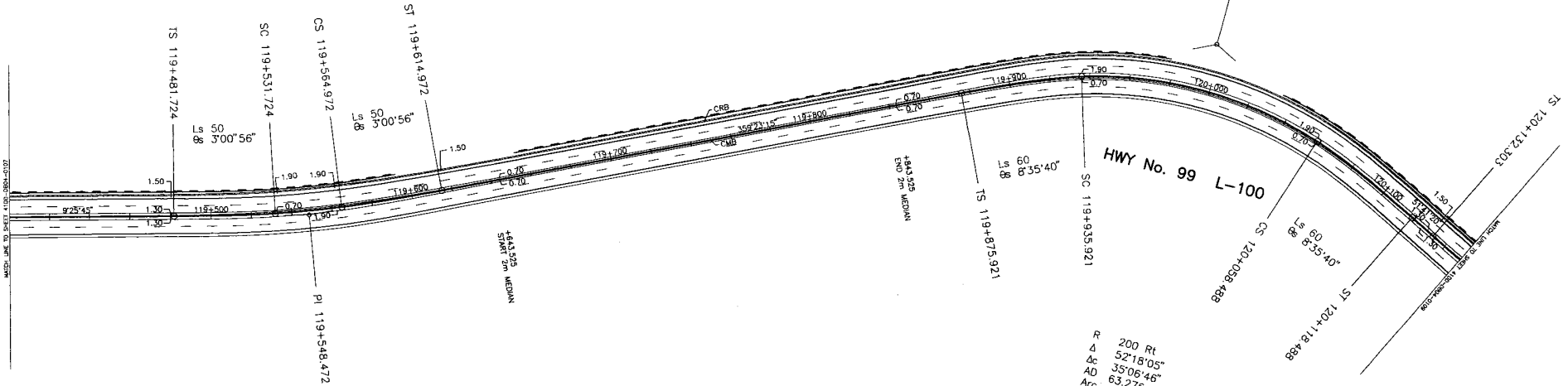
DATE: _____

FILE No. 214753-EN10-H PROJECT No. 08901-ST53 REGION 1 DRAWING No. 41DD-DB04-0407/PB

REFERENCE DRAWINGS

REVISIONS

R 475 Lt
 Δ 10°02'30"
 Δc 4'00'38"
 AD 16.631
 Arc 33.249
 Es 2.050



HWY No. 99 L-100

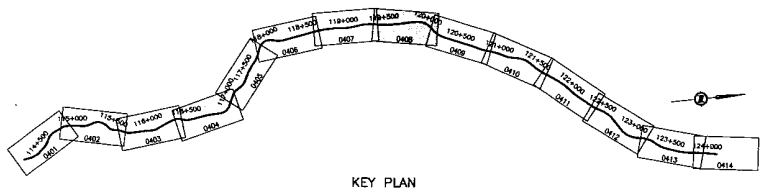
R 200 Rt
 Δ 52°18'05"
 Δc 35°06'46"
 AD 63.276
 Arc 122.566
 Es 23.642

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 410D-0804-0301 FOR MEDIAN DETAIL



KEY PLAN

		DESIGNED	SJT	DATE	24/12/28
		CHECKED	ZS	DATE	25/01/06
SCALE 0 1:1000 50		DRAWN	SJT	DATE	25/01/24
		APPROVED		DATE	
Rev	Date	Description	Signature		
PA	05/01/06	ISSUED FOR REVIEW			
PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT			

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

**DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING**

**DB4 - "M" CREEK TO PORTEAU COVE
 STA 119+400 TO STA 120+150**

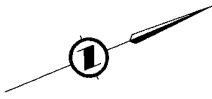
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	Hatch Mott MacDonald	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	DATE
214753-EN10-H	09901-ST53	1
REGION	DRAWING No.	
1	41DD-DB04-0408 PB	

OWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature

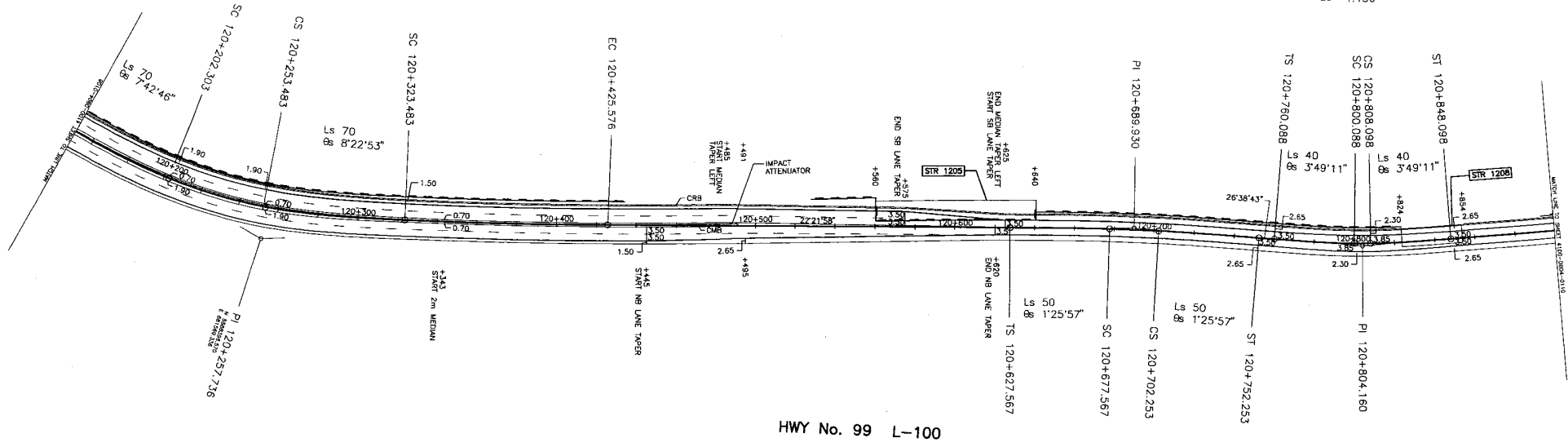
REVISIONS



R₁ 260 Lt
 Δ 31°21'42"
 Δc 11°16'43"
 AD 25.673
 Arc 51.181
 Es 8.467

R₂ 3000 Lt
 Δ 31°21'42"
 Δc 1°56'59"
 AD 51.051
 Arc 102.093
 Es 0.434

R 300 Lt
 Δ 9°10'09"
 Δc 1°31'47"
 AD 4.005
 Arc 8.010
 Es 1.186



HWY No. 99 L-100

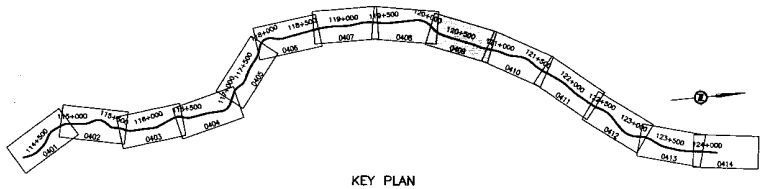
R 1000 Rt
 Δ 4°16'45"
 Δc 1°24'52"
 AD 12.344
 Arc 24.686
 Es 0.802

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 41DD-0804-0301 FOR MEDIAN DETAIL



KEY PLAN

DESIGNED: SLT CHECKED: ES DRAWN: SLT APPROVED: _____ DATE: 05/01/06		DATE: 04/22/28 DATE: 05/01/06 DATE: 05/01/04	
SCALE	0 1:1000 50		
Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
PB	05/01/06	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 120+150 TO STA 120+900

PROJECT MANAGERS: Hatch Mott MacDonald

DESIGN CONSULTANT: Hatch Mott MacDonald

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____

FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-0804-0409/PB

REFERENCE DRAWINGS

REVISIONS

R 500 Lt
 Δ 12°56'00"
 Δc 712'14"
 AD 31.474
 Arc 62.865
 Es 3.411

R 200 Lt
 Δ 18°24'05"
 Δc 1°12'45"
 AD 2.116
 Arc 4.233
 Es 3.366

R 260 Rt
 Δ 11°46'21"
 Δc 2°57'28"
 AD 6.712
 Arc 13.421
 Es 1.636

R 260 Rt
 Δ 35°34'50"
 Δc 20°09'17"
 AD 46.207
 Arc 91.459
 Es 13.881

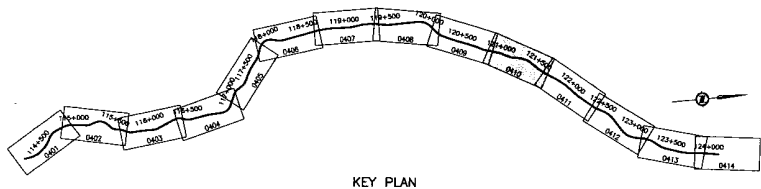
HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 41DD-DB04-0301 FOR MEDIAN DETAIL



DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	05/01/06	ISSUED FOR REVIEW	
FB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

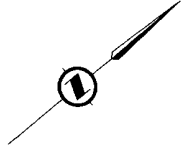
DB4 - "M" CREEK TO PORTEAU COVE
 STA 120+900 TO STA 121+650

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**

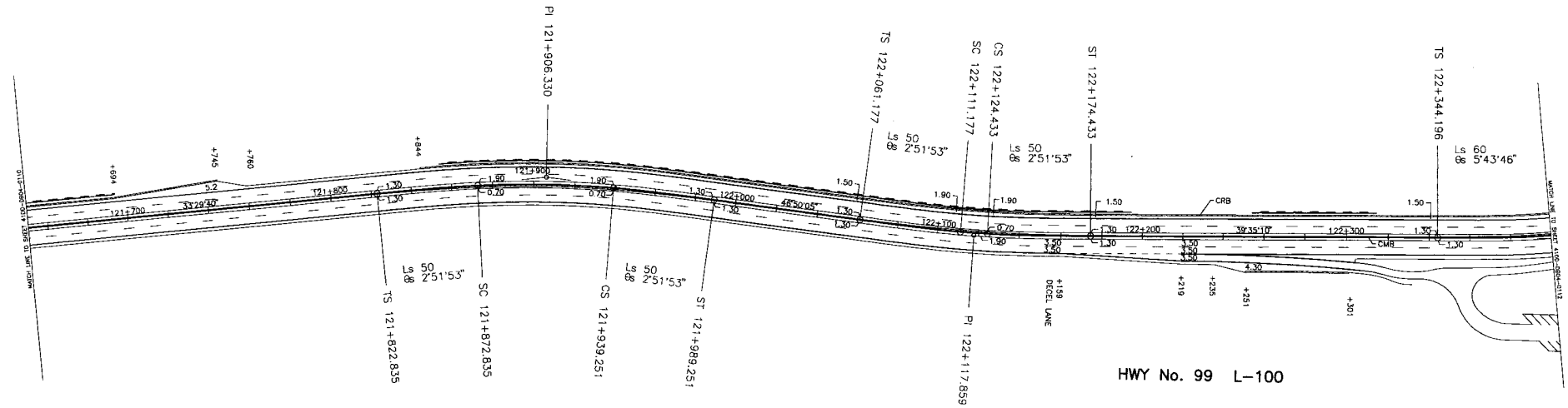
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB04-0410(PB)

HATCH MOTT MACDONALD



R 500 Lt
 Δ 7'14"55"
 Δc 1'31"09"
 AD 6.628
 Arc 13.256
 Es 1.211



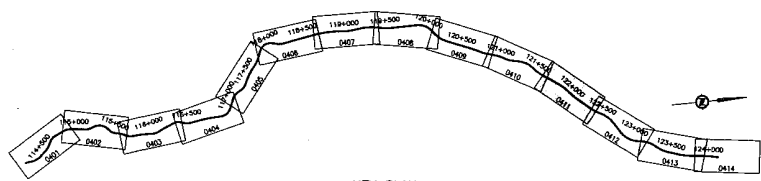
R 500 Rt
 Δ 13'20"25"
 Δc 7'36"39"
 AD 33.257
 Arc 66.416
 Es 3.617

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 41DD-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

		DESIGNED: SJT DATE: 05/22/08 CHECKED: JZ DATE: 05/27/08 DRAWN: SJT DATE: 05/27/08 APPROVED: DATE:	
		SCALE 0 1:1000 50	Signature:
Rev. Date Description	PA 05/01/08 ISSUED FOR REVIEW	Signature:	Signature:
Rev. Date Description	PB 05/01/08 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	Signature:	Signature:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 121+650 TO STA 122+400

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE:
FILE NO. 214753-EN10-H	PROJECT NO. 09901-ST53	REGION 1

DWG. No.	Description

Rev.	Date	Description	Signature

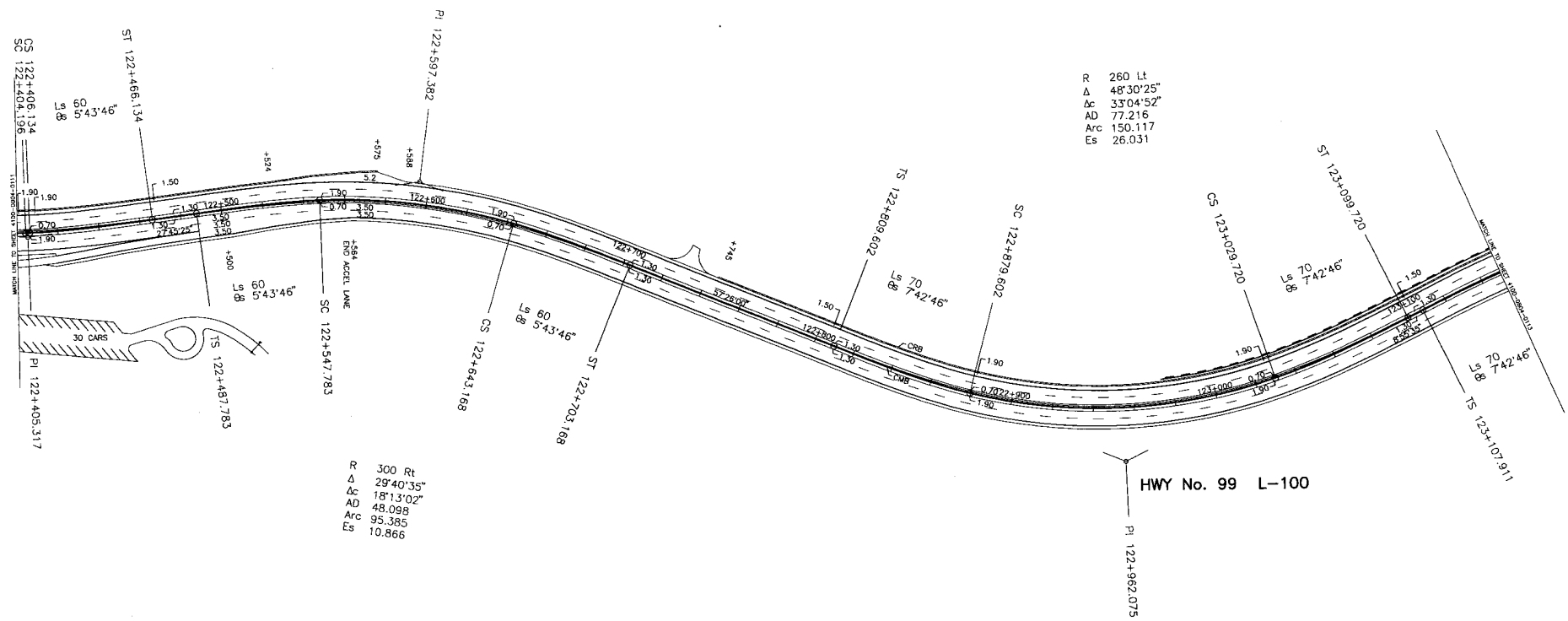
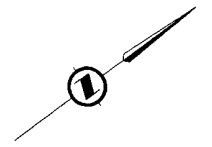
REFERENCE DRAWINGS

REVISIONS

R 300 Lt
 Δ 11°49'45"
 Δc 00°22'12"
 AD 0.969
 Arc 1.937
 Es 2.108

R 260 Lt
 Δ 48°30'25"
 Δc 33°04'52"
 AD 77.216
 Arc 150.117
 Es 26.031

R 300 Rt
 Δ 29°40'35"
 Δc 18°13'02"
 AD 48.098
 Arc 95.385
 Es 10.866



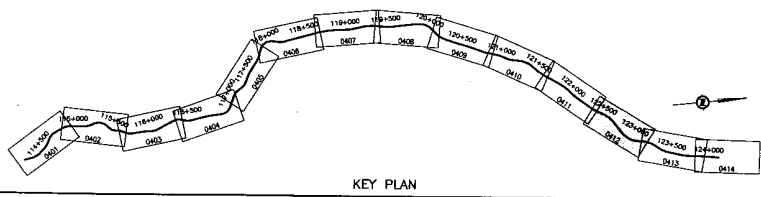
HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 4100-0804-0301 FOR MEDIAN DETAIL



KEY PLAN

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: SBT DATE 04/22/08
 CHECKED: JS DATE 05/02/08
 DRAWN: SBT DATE 05/01/08
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB4 - "M" CREEK TO PORTEAU COVE
 STA 122+400 TO STA 123+150

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **Hatch Mott MacDonald**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-0804-0412 (PB)

DWG. No.	Description	Rev	Date	Description	Signature
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		PB	05/01/10	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

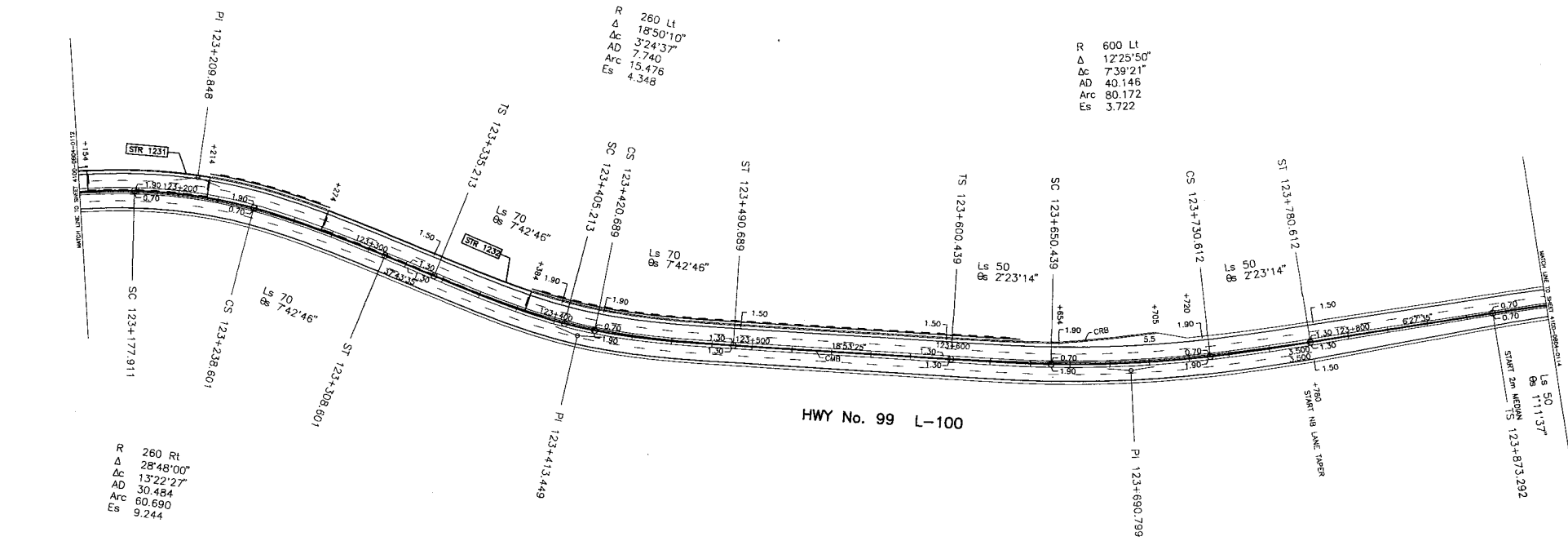
REFERENCE DRAWINGS REVISIONS



R 260 Lt
 Δ 18°50'10"
 Δc 3'24'37"
 AD 7.740
 Arc 15.476
 Es 4.348

R 600 Lt
 Δ 12°25'50"
 Δc 7'39'21"
 AD 40.146
 Arc 80.172
 Es 3.722

R 260 Rt
 Δ 28°48'00"
 Δc 13'22'27"
 AD 30.484
 Arc 60.690
 Es 9.244



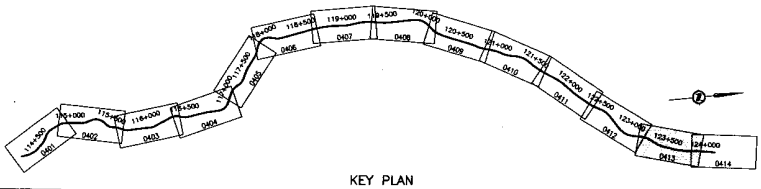
HWY No. 99 L-100

S2S TECHNICAL SUPPLEMENT

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 410D-DB04-0301 FOR MEDIAN DETAIL



KEY PLAN

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW		05/01/06		
PB	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		05/01/10		
REFERENCE DRAWINGS					
REVISIONS					

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

**DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LAYING**

DB4 - "M" CREEK TO PORTEAU COVE
 STA 123+150 TO STA 123+800

Project Managers
 Hatch Mott MacDonald

Design Consultant
 Hatch Mott MacDonald

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

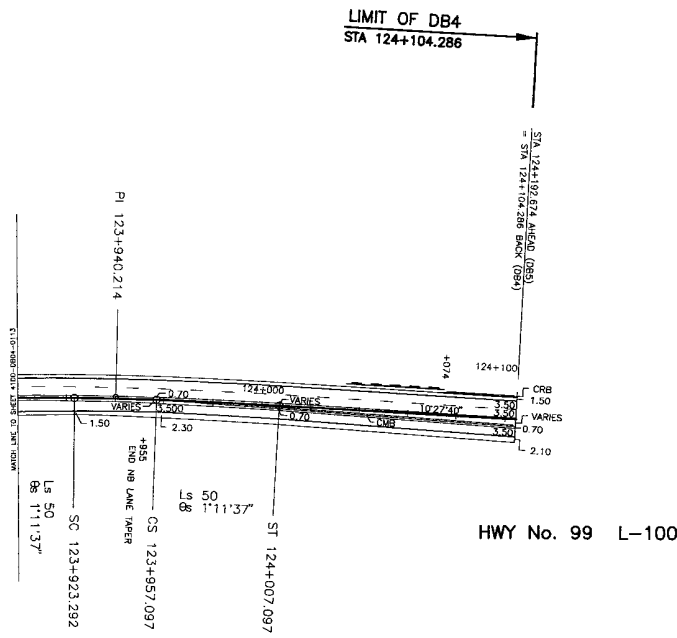
FILE No. 214753-EN10-H

PROJECT No. 09901-ST3S

REVISION 1

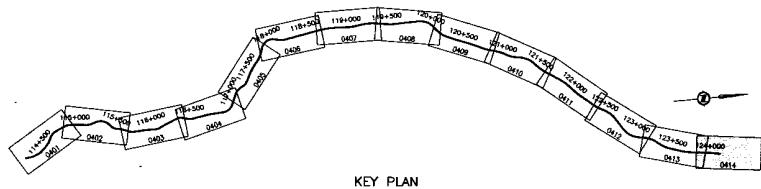
DRAWING No. 41DD-DB04-0413 PB

DATE PLOTTED: 05/01/10



HWY No. 99 L-100

R 1200 Rt
 Δ 4'00'05"
 Δc 1'36'51"
 AD 16.904
 Arc 33.805
 Es 0.819



KEY PLAN

DESIGN SPEED 80 Km/h

ALL HWY 99 MOVEMENTS WB20

NOTE
 SEE SHEET 41D0-DB04-0301 FOR MEDIAN DETAIL

S2S TECHNICAL SUPPLEMENT

DESIGNED: SJT CHECKED: ZS DRAWN: SJT APPROVED: _____ DATE: 04/23/08 DATE: 05/03/08 DATE: 03/01/04 DATE: _____		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB4 - "M" CREEK TO PORTEAU COVE STA 123+900 TO STA 124+104.286	
SCALE 0 1:1000 50		PROJECT MANAGERS: Hatch Mott MacDonald DESIGN CONSULTANT: Hatch Mott MacDonald SENIOR DESIGN ENGINEER: _____ PREPARED UNDER THE DIRECTION OF: _____	
PA 05/01/08 ISSUED FOR REVIEW PB 05/01/08 ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT		FILE No. 214753-EN10-H PROJECT No. 09901-ST53 RESUM 1 DATE _____ DRAWING No. 41D0-DB04-0414 PB	

DWG. No.	Description	Rev.	Date	Description	Signature

REFERENCE DRAWINGS

Rev.	Date	Description	Signature

REVISIONS



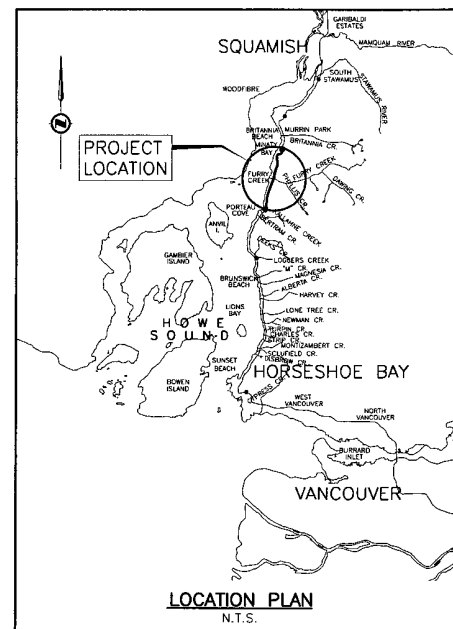
BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

PROJECT No. 09901-ST53

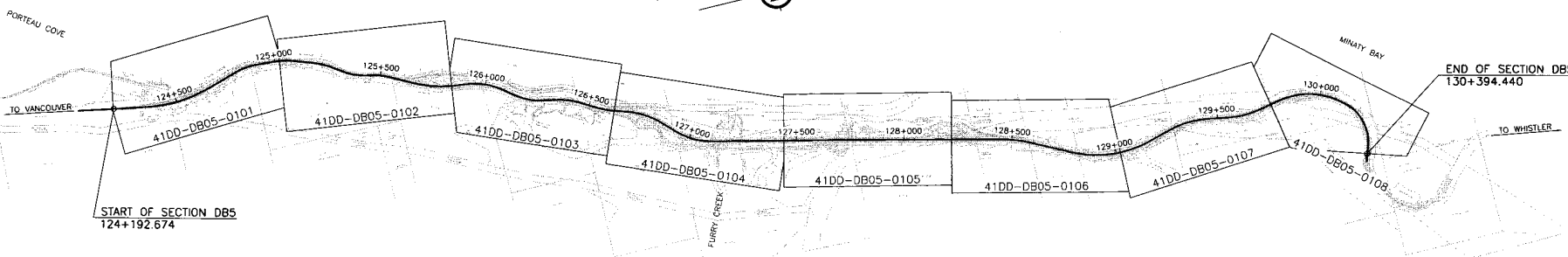
Section DB5

Porteau Cove to Minaty Bay STA. 124+192.674 TO STA. 130+394.440 6.20 km



DRAWING INDEX

41DD-DB05-0001	PC	KEY MAP & TITLE	
41DD-DB05-0002	PC	SUPPLEMENTARY LEGEND	
41DD-DB05-0101	PC	PLAN	STA 124+192.674 TO STA 125+020.000
41DD-DB05-0102	PC	PLAN	STA 125+020.000 TO STA 125+840.000
41DD-DB05-0103	PC	PLAN	STA 125+840.000 TO STA 126+620.000
41DD-DB05-0104	PC	PLAN	STA 126+620.000 TO STA 127+440.000
41DD-DB05-0105	PC	PLAN	STA 127+440.000 TO STA 128+220.000
41DD-DB05-0106	PC	PLAN	STA 128+220.000 TO STA 129+020.000
41DD-DB05-0107	PC	PLAN	STA 129+020.000 TO STA 129+760.000
41DD-DB05-0108	PC	PLAN	STA 129+760.000 TO STA 130+394.440
41DD-DB05-0109	PC	PLAN	STA 5124+309.823 TO STA 5125+140.000
41DD-DB05-0110	PC	PLAN	STA 5125+140.000 TO STA 5125+916.817
41DD-DB05-0201	PC	PROFILE	STA 124+192.674 TO STA 125+400.000
41DD-DB05-0202	PC	PROFILE	STA 125+400.000 TO STA 126+900.000
41DD-DB05-0203	PC	PROFILE	STA 126+900.000 TO STA 127+900.000
41DD-DB05-0204	PC	PROFILE	STA 127+900.000 TO STA 128+400.000
41DD-DB05-0205	PC	PROFILE	STA 128+400.000 TO STA 129+800.000
41DD-DB05-0206	PC	PROFILE	STA 129+800.000 TO STA 130+394.440
41DD-DB05-0207	PC	PROFILE L-5124	STA 5124+309.823 TO STA 5125+400.000
41DD-DB05-0208	PC	PROFILE L-5124	STA 5125+400.000 TO STA 5126+916.817
41DD-DB05-0209	PC	PROFILE L-5126	STA 5126+655.277 TO STA 5127+754.316
41DD-DB05-0210	PC	PROFILE L-5170	
41DD-DB05-0301	PC	TYPICAL SECTIONS	
41DD-DB05-0302	PC	TYPICAL SECTIONS	
41DD-DB05-0401	PC	GEOMETRICS AND LANING	STA 124+192.674 TO STA 125+020.000
41DD-DB05-0402	PC	GEOMETRICS AND LANING	STA 125+020.000 TO STA 125+840.000
41DD-DB05-0403	PC	GEOMETRICS AND LANING	STA 125+840.000 TO STA 126+620.000
41DD-DB05-0404	PC	GEOMETRICS AND LANING	STA 126+620.000 TO STA 127+440.000
41DD-DB05-0405	PC	GEOMETRICS AND LANING	STA 127+440.000 TO STA 128+220.000
41DD-DB05-0406	PC	GEOMETRICS AND LANING	STA 128+220.000 TO STA 129+020.000
41DD-DB05-0407	PC	GEOMETRICS AND LANING	STA 129+020.000 TO STA 129+760.000
41DD-DB05-0408	PC	GEOMETRICS AND LANING	STA 129+760.000 TO STA 130+394.440
41DD-DB05-0409	PC	GEOMETRICS AND LANING	STA 5124+309.823 TO STA 5125+140.000
41DD-DB05-0410	PC	GEOMETRICS AND LANING	STA 5125+140.000 TO STA 5125+916.817



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

SCALE
DESIGNED J. SLOAN DATE SEP 04
CHECKED S. HARRIS DATE NOV 04
DRAWN P. JUNEV DATE SEP 04
APPROVED DATE

DBFO - HORSESHOE BAY TO WHISTLER
KEY MAP & TITLE
DB5 - PORTEAU COVE TO MINATY BAY

DWG. No.	Description	Rev.	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS	REVISIONS

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. **214753-EN10-H** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB05-0001 PC**


SUPPLEMENTARY LEGEND





PROPOSED

UTILITY RELOCATION

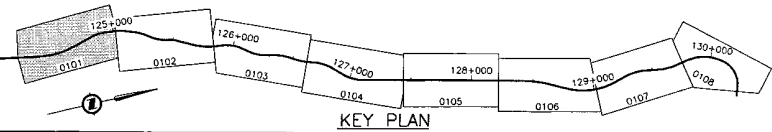
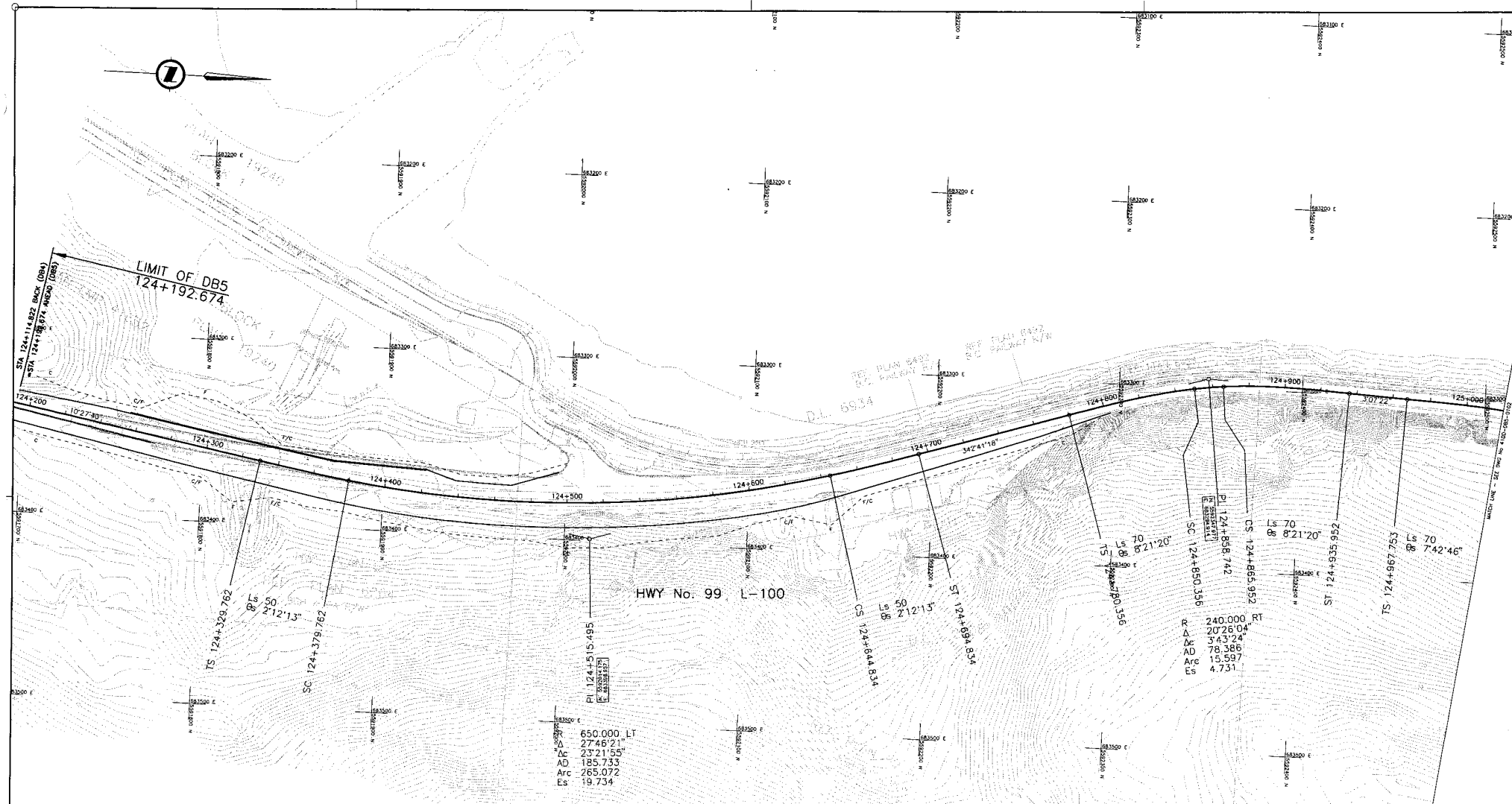
Pole Relocation 

CONSTRUCTION DETAILS LINETYPES

Retaining Wall Number 

			
TRANSPORTATION GROUP		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE		DESIGNED J. SLOAN DATE SEP 04 CHECKED S. TARR DATE NOV 04 DRAWN D. JIMENEZ DATE SEP 04 APPROVED DATE	
DBFO - HORSESHOE BAY TO WHISTLER SUPPLEMENTARY LEGEND		DB5 - PORTEAU COVE TO MINATY BAY	
PROJECT MANAGERS 		DESIGN CONSULTANT 	
FILE No. 214753-EN10-H		PROJECT No. 09901-ST53	
REGION 1		DRAWING No. 41DD-DB05-0002 PC	

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS		REVISIONS			



S2S TRANSPORTATION GROUP

DESIGNED **J. SLOAN** DATE SEP 04
 CHECKED **S. TARR** DATE NOV 04
 DRAWN **B. JANEY** DATE SEP 04
 APPROVED _____ DATE _____

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

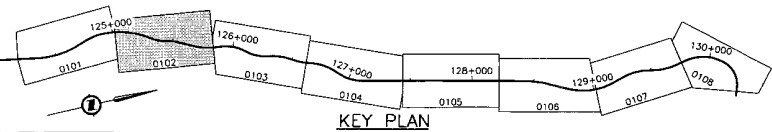
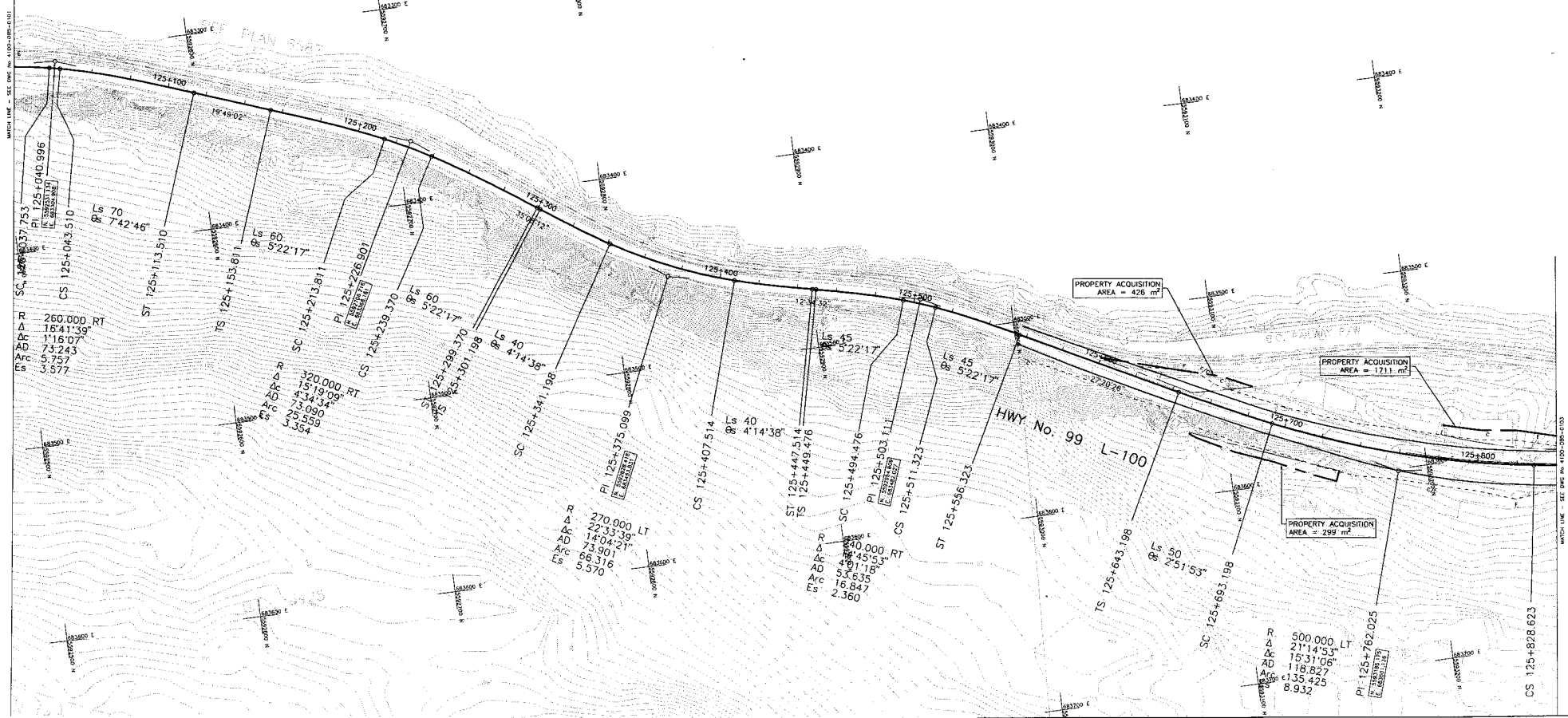
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB5 - PORTEAU COVE TO MINATY BAY
 STA 124+192.674 TO STA 125+020

Rev.	Date	Description	Signature
PA		ISSUED FOR REVIEW	
FB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/07/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 DATE: _____ DRAWING No.: _____
 FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 41DD-D805-0101 PC

REFERENCE DRAWINGS REVISIONS



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED J. BLAIN DATE SEP. 04
 CHECKED S. TARR DATE NOV. 04
 DRAWN P. JANEV DATE SEP. 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB5 - PORTEAU COVE TO MINATY BAY
 STA 125+020 TO STA 125+840

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PD	04/11/23 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				
REFERENCE DRAWINGS		REVISIONS			

Project Manager: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 PREPARED UNDER THE DIRECTION OF: _____
 LEAD DESIGN ENGINEER: _____
 DATE: _____
 FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 4100-DB05-0102 | PC



300.000 LT
 Δ 12'36"03"
 AD 1'08"30"
 Arc 63.168
 Es 5.978
 Es 2.328

R 260.000 LT
 Δ 27'59"13"
 AD 12'33"40"
 Arc 99.968
 Es 57.001
 Es 8.761

300.000 RT
 Δ 19'47"44"
 AD 8'20"11"
 Arc 43.550
 Es 5.040

PROPERTY ACQUISITION AREA
 SEE DWG 4100-B05-0102

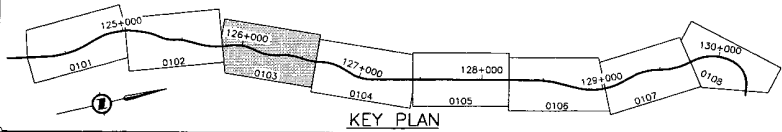
PROPERTY ACQUISITION AREA = 99 m²

PROPERTY ACQUISITION AREA = 935 m²

PROPERTY ACQUISITION AREA = 5386 m²

PROPERTY ACQUISITION AREA = 935 m²

HWY No. 99 L-100



KEY PLAN

S2S TRANSPORTATION GROUP

DESIGNED: J. BLON DATE: SEP 04
 CHECKED: S. TARDI DATE: NOV 04
 DRAWN: P. JAVEL DATE: SEP 04
 APPROVED: _____ DATE: _____

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN

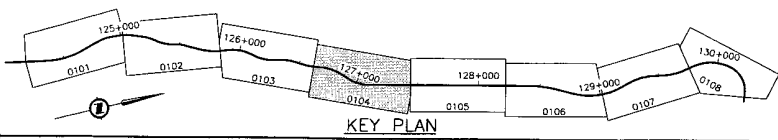
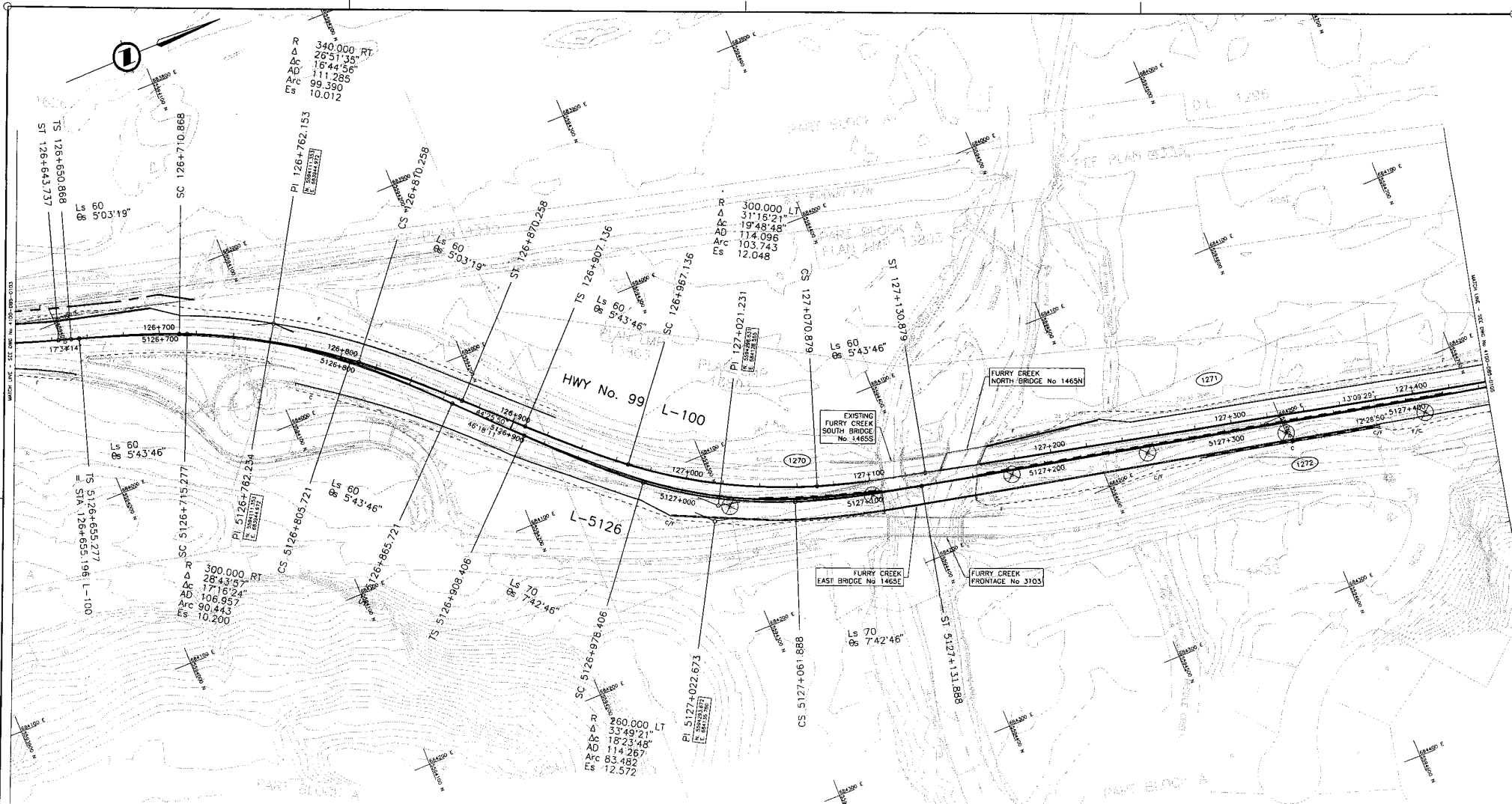
DB5 - PORTEAU COVE TO MINATY BAY
 STA 125+840 TO STA 126+620

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____ DRAWING No: _____

FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REVISION: 1 DRAWING No: 4100-DB05-0103 PC

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				
REFERENCE DRAWINGS		REVISIONS			



S2S TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE: SEP. 04
 CHECKED: S. HARR DATE: NOV. 04
 DRAWN: P. JIMENEZ DATE: SEP. 05
 APPROVED: DATE:

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

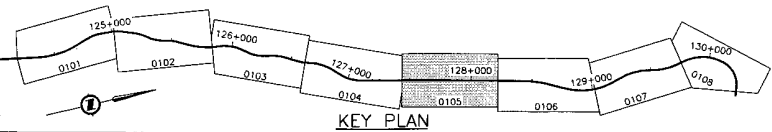
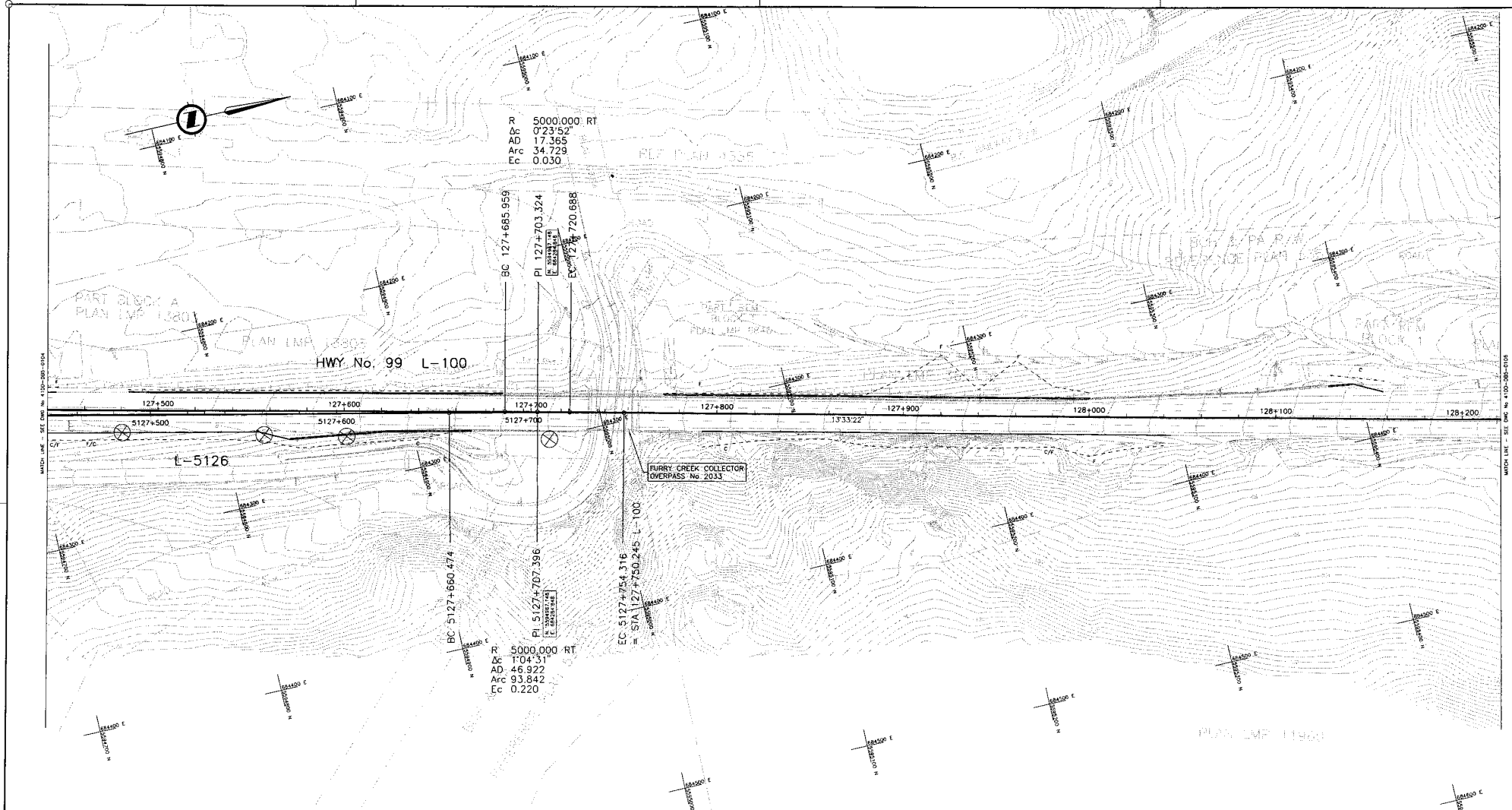
DB5 - PORTEAU COVE TO MINATY BAY
 STA 126+620 TO STA 127+440

Project Managers: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: DRAWING NO.: 214753-EN10-H 08901-ST53 1 41DD-DB05-0104 PC

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	03/01/10 ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS REVISIONS



KEY PLAN

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

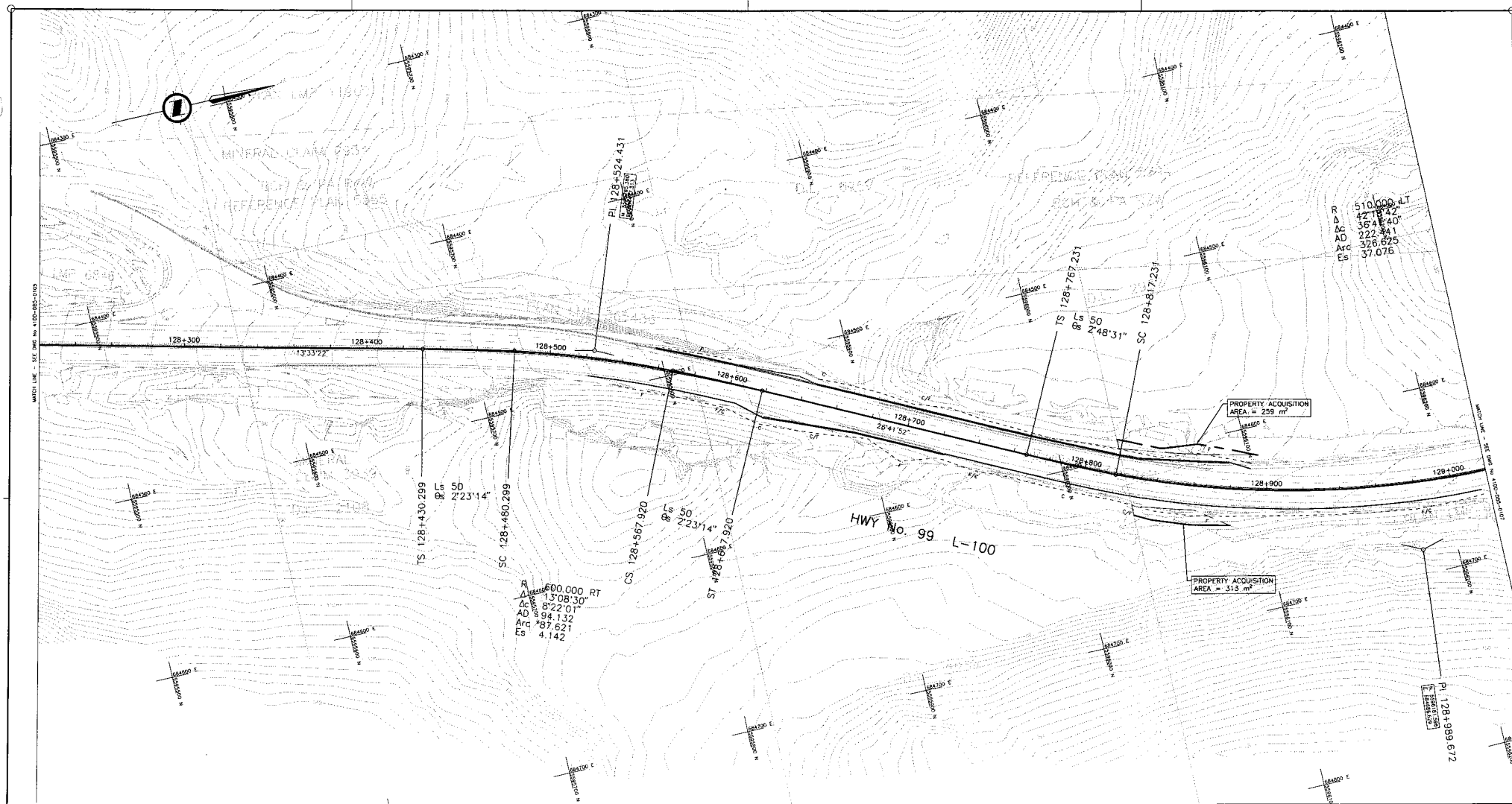
DESIGNED: J. SLON DATE: SEP 04
 CHECKED: S. HARR DATE: NOV 04
 DRAWN: M. JEWEL DATE: SEP 04
 APPROVED: DATE:

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB5 - PORTEAU COVE TO MINATY BAY
 STA 127+440 TO STA 128+220

Project Manager: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-0805-0105/PC

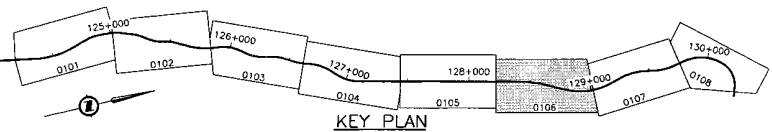


R 510.000 LT
 Δ 42.7842
 Δc 36.4840
 AD 222.841
 Arc 326.625
 Es 37.076

R 600.000 RT
 Δ 13.0830
 Δc 8.2201
 AD 89.132
 Arc 787.621
 Es 4.142

PROPERTY ACQUISITION
 AREA = 259 m²

PROPERTY ACQUISITION
 AREA = 313 m²



KEY PLAN

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JANEV DATE: SEP 04
 APPROVED: DATE:

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
FB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DBS - PORTEAU COVE TO MINATY BAY
 STA 128+220 TO STA 129+020

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

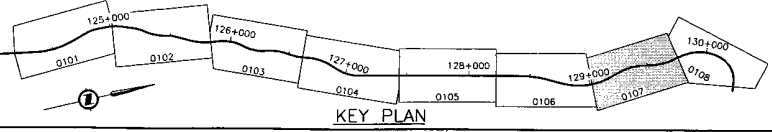
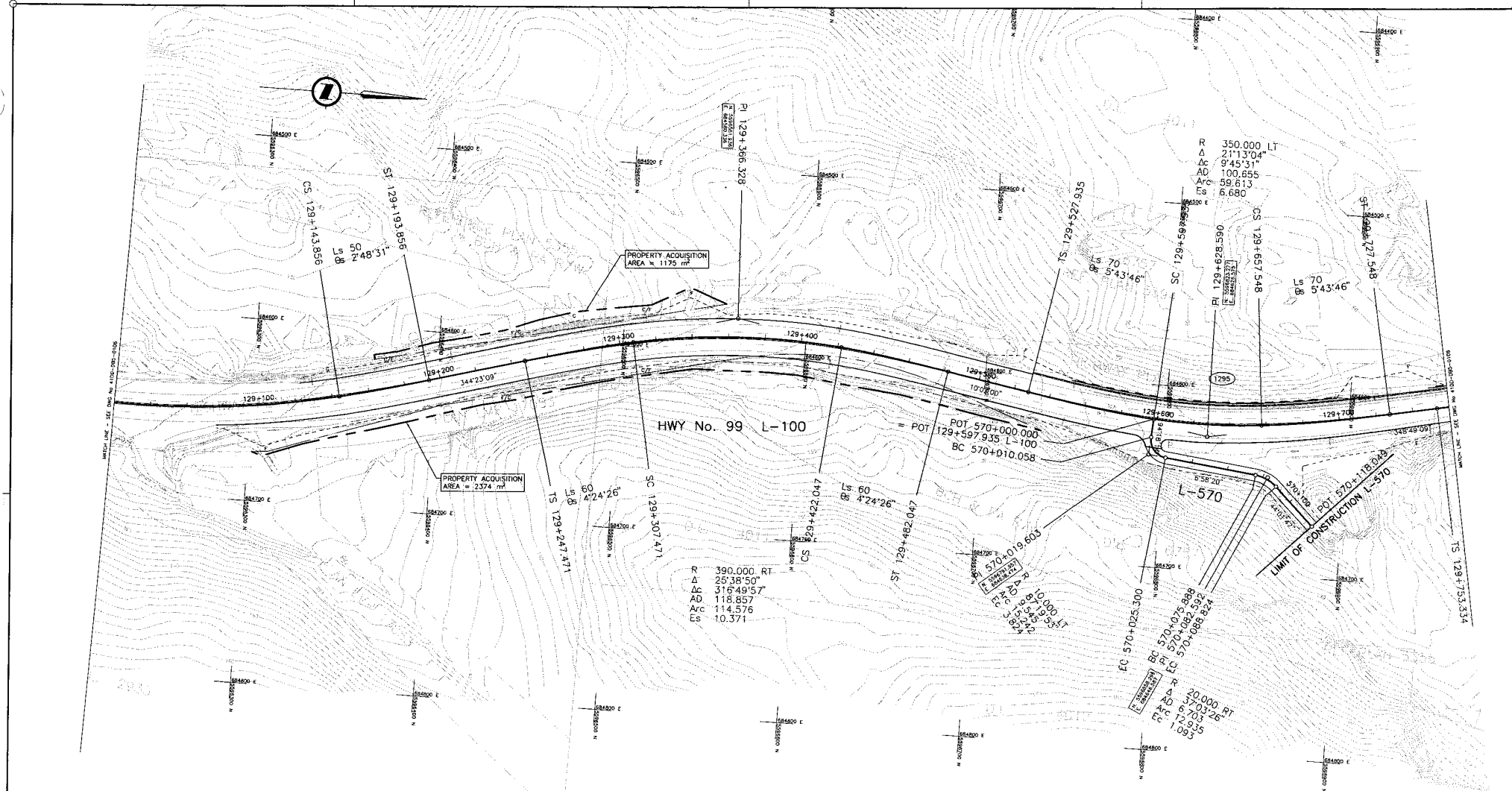
PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE NO: 214753-EN10-H PROJECT NO: 09901-ST53 REGION: 1 DRAWING NO: 41DD-DB05-0106 JPC

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS



S2S TRANSPORTATION GROUP
 DESIGNED: J. SLOAN DATE: SEP. 04
 CHECKED: S. TARR DATE: NOV. 04
 DRAWN: P. JOHNSY DATE: SEP. 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DBS - PORTEAU COVE TO MINATY BAY
 STA 129+020 TO STA 129+760

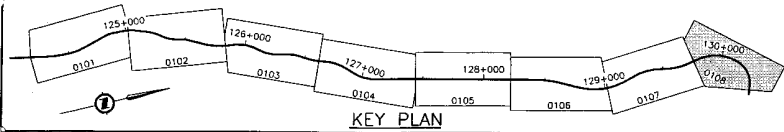
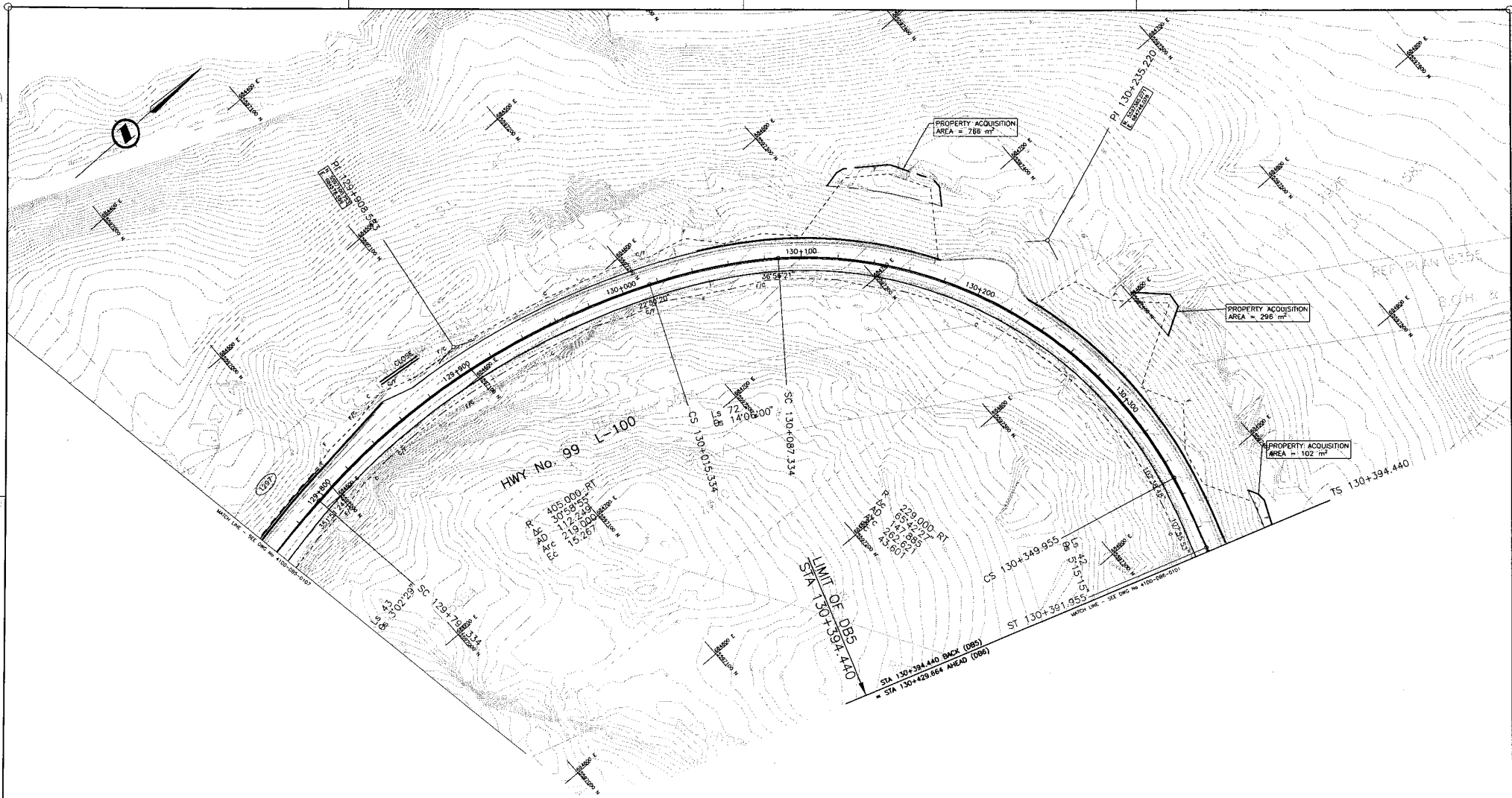
DWG. No.	Description	Rev.	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/15	ISSUED FOR PROPOSAL SUBMISSION	

Rev.	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No.: 214753-EN10-H PROJECT No.: 09801-ST53 REGION: 1 DRAWING No.: 41DD-DB05-0107 PC

REFERENCE DRAWINGS

REVISIONS



SR
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED J. SLOAN DATE SEP 04
 CHECKED S. TARR DATE NOV 04
 DRAWN P. JAWAY DATE SEP 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DBS - PORTEAU COVE TO MINATY BAY
STA 129+760 TO STA 130+394.440

DWG. No.	Description

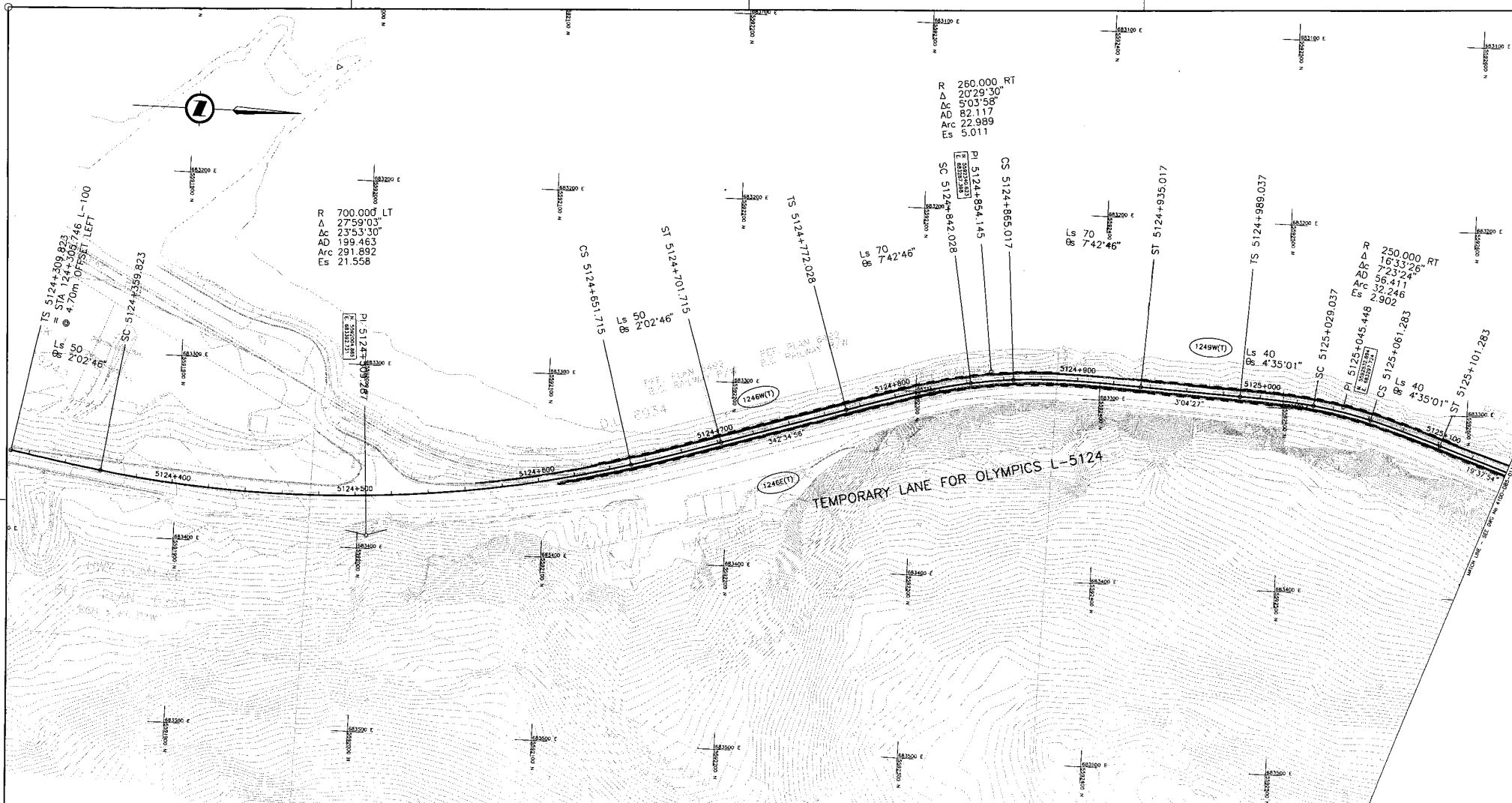
Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PE	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB05-0108 IPC

REFERENCE DRAWINGS REVISIONS



R 260.000 RT
 Δ 20'29'30"
 ΔC 5'03'58"
 AD 82'11'7"
 AC 22'989
 Es 5.011

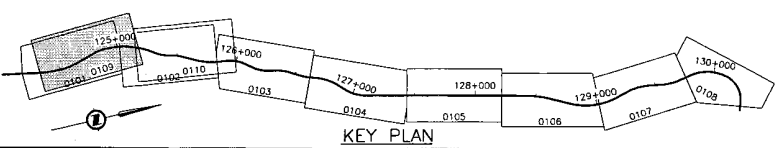
R 700.000 LT
 Δ 27'59'03"
 ΔC 2'35'3'30"
 AD 199.463
 Arc 291.892
 Es 21.558

TS 5124+309.823
 = 5124+309.823
 @ 4.70m OFFSET, LEFT
 Ls 50
 Bs 2'02'46"

Ls 70
 Bs 7'42'46"

R 250.000 RT
 Δ 16'33'26"
 ΔC 5'54'11"
 AD 32'246
 Es 2.902

PI 5125+045.448
 L 250.000 RT
 SC 5125+029.037
 CS 5125+061.283
 ST 5125+101.283
 Ls 40
 Bs 4'35'01"



S2S TRANSPORTATION GROUP

DESIGNED: Z. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JANEV DATE: SEP 04
 APPROVED: DATE:

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN

TEMPORARY LANE FOR OLYMPICS L-5124
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5124+309.823 TO STA 5125+140

DWG. No.	Description

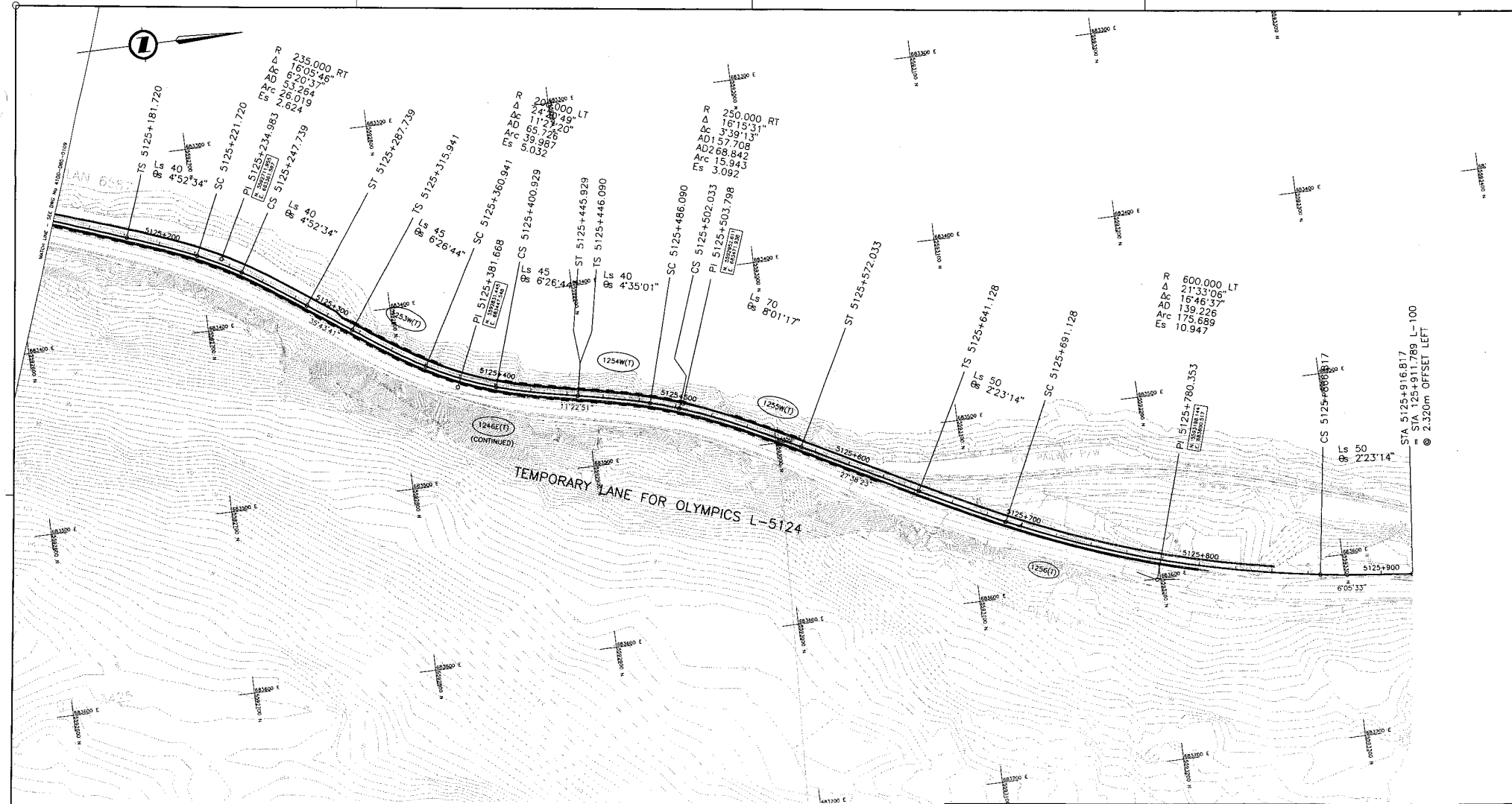
Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PE	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

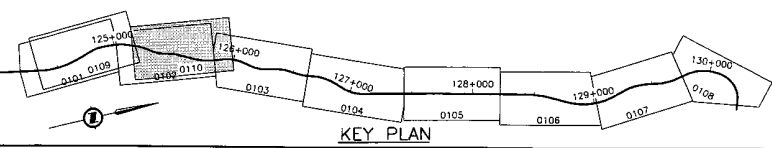
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE NO. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB05-0109/PC

REFERENCE DRAWINGS REVISIONS



STA 5125+916.817
 STA 125+911.789 L-100
 @ 2.320m OFFSET LEFT



S2S TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: JULY 04
 DRAWN: P. JAVEL DATE: SEP 04
 APPROVED: DATE:

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 TEMPORARY LANE FOR OLYMPICS L-5124
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5125+140 TO STA 5125+916.817

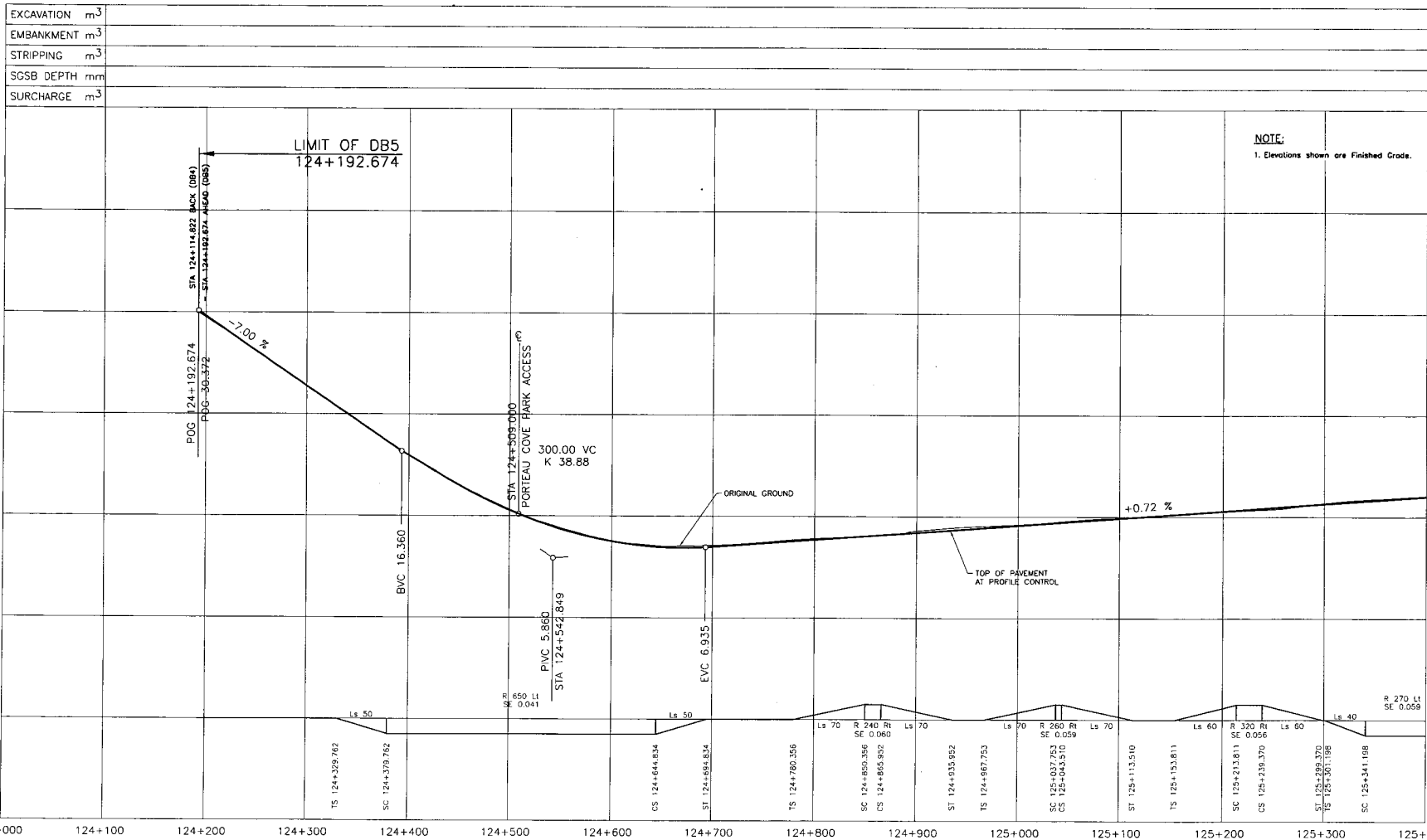
DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE NO: 214753-EN10-H PROJECT NO: 08901-ST53 REGION: 1 DRAWING NO: 410D-DB05-0110 IPC

REFERENCE DRAWINGS REVISIONS



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³

NOTE:
1. Elevations shown are Finished Grade.

FOR CONTINUATION SEE DWG 4100-DB05-0202

DESIGN SPEED 80 km/h

525 TRANSPORTATION GROUP

SCALE: Horiz. 1:2000, 100; Vert. 1:200, 10

DESIGNED: J. SLOAN, DATE: SEP 04
 CHECKED: S. TARR, DATE: NOV 04
 DRAWN: P. JAVEV, DATE: SEP 04
 APPROVED: _____, DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB5 - PORTEAU COVE TO MINATY BAY
 STA 124+192.674 TO STA 125+400

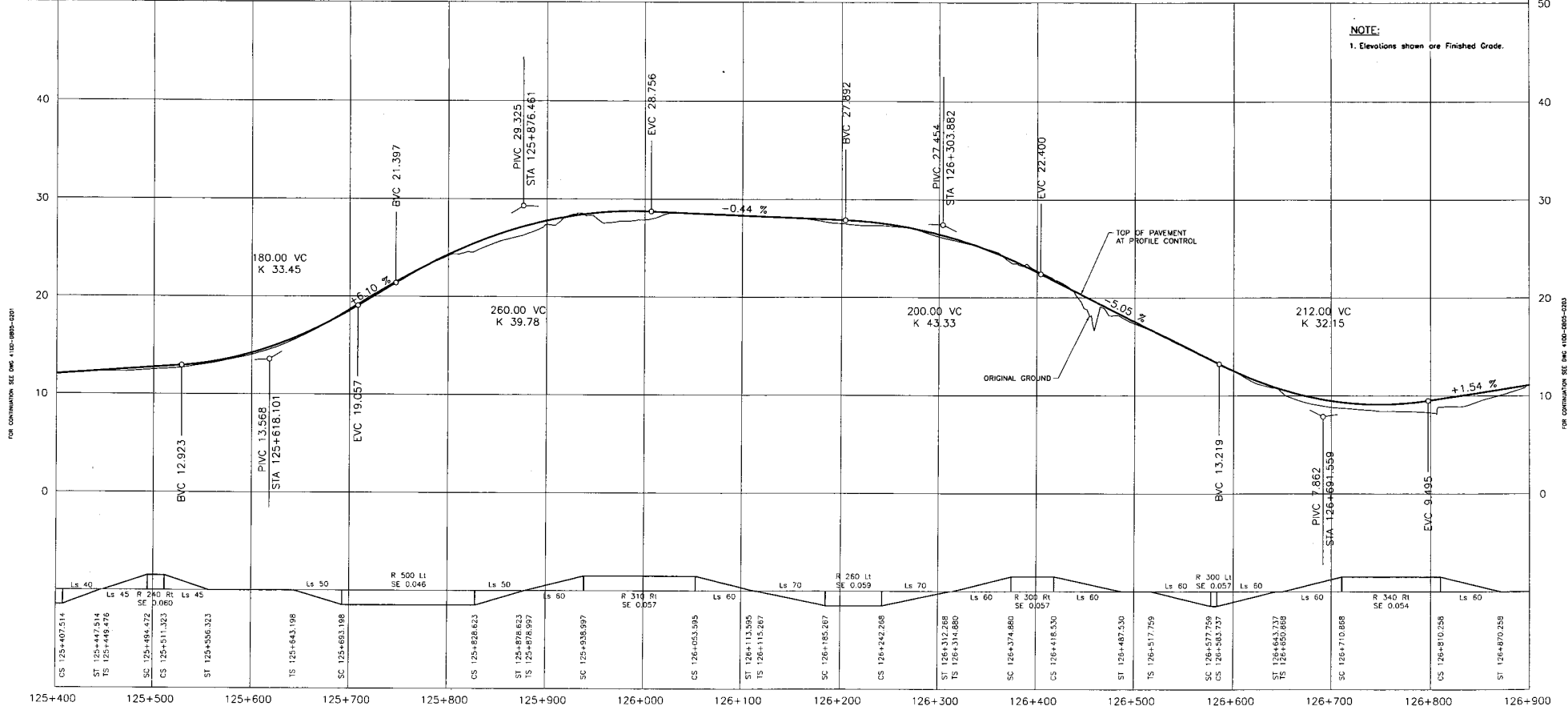
Project Managers: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DATE: _____ DRAWING No: 4100-DB05-0201 PC

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS REVISIONS

11/00 4100-DB05-0201

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 80 km/h

529 TRANSPORTATION GROUP

DESIGNED: J. JILIAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JAMES DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DBS - PORTEAU COVE TO MINATY BAY
 STA 125+400 TO STA 126+900

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

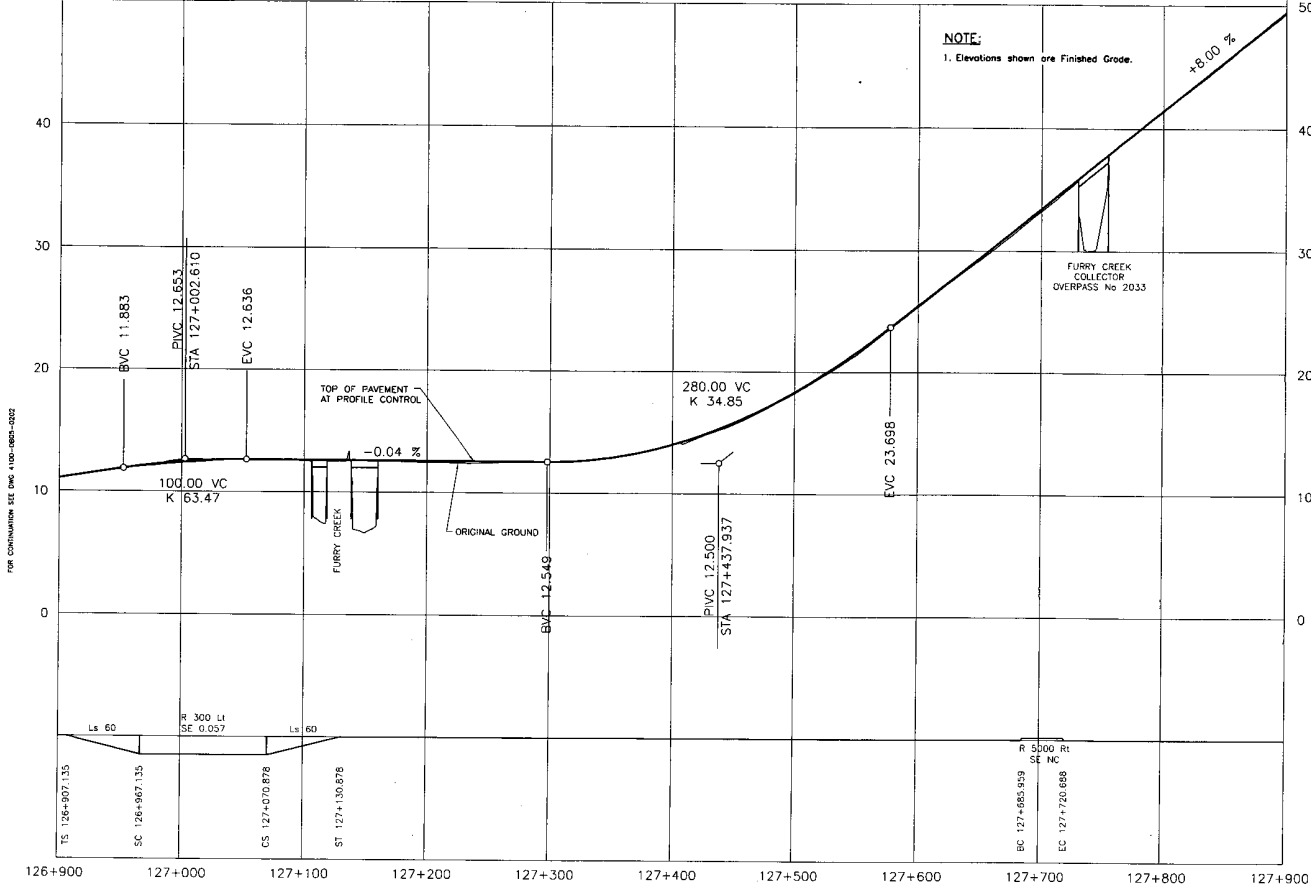
PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB05-0202-PC

REFERENCE DRAWINGS REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³

FOR CONTINUATION SEE DWG 4100-DB05-0204



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

525 TRANSPORTATION GROUP
 DESIGNED: Z. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JINAEV DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		FB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

DBS - PORTEAU COVE TO MINATY BAY
 STA 126+900 TO STA 127+900

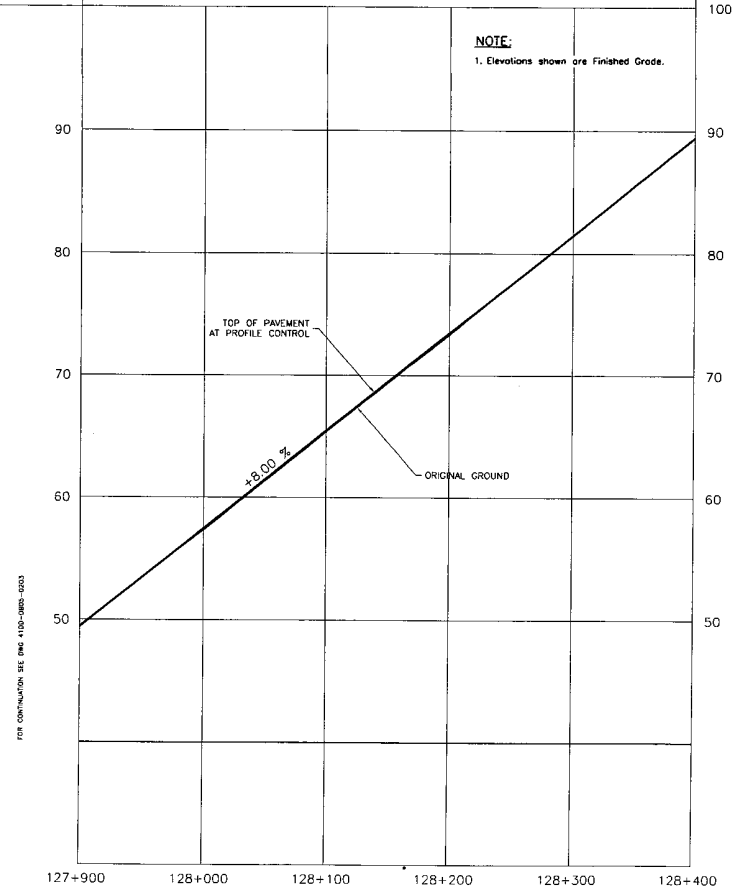
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____
 DRAWING No. _____

FILE No. **214753-EN10-H** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **4100-DB05-0203** PC

REFERENCE DRAWINGS REVISIONS

EXCAVATION	m ³	
EMBANKMENT	m ³	
STRIPPING	m ³	
SGSB DEPTH	mm	
SURCHARGE	m ³	



DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

DESIGNED: Z. SLOAN DATE: SEP. 04
 CHECKED: S. TARR DATE: NOV. 04
 DRAWN: P. JIMENEZ DATE: SEP. 04
 APPROVED: DATE:

SCALE: 0 100 200
 Horiz: 1:2000 Vert: 1:200

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DBS - PORTEAU COVE TO MINATY BAY
 STA 127+900 TO STA 128+400

DWG. No.	Description

Rev	Date	Description	Signature
RA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

DATE: _____

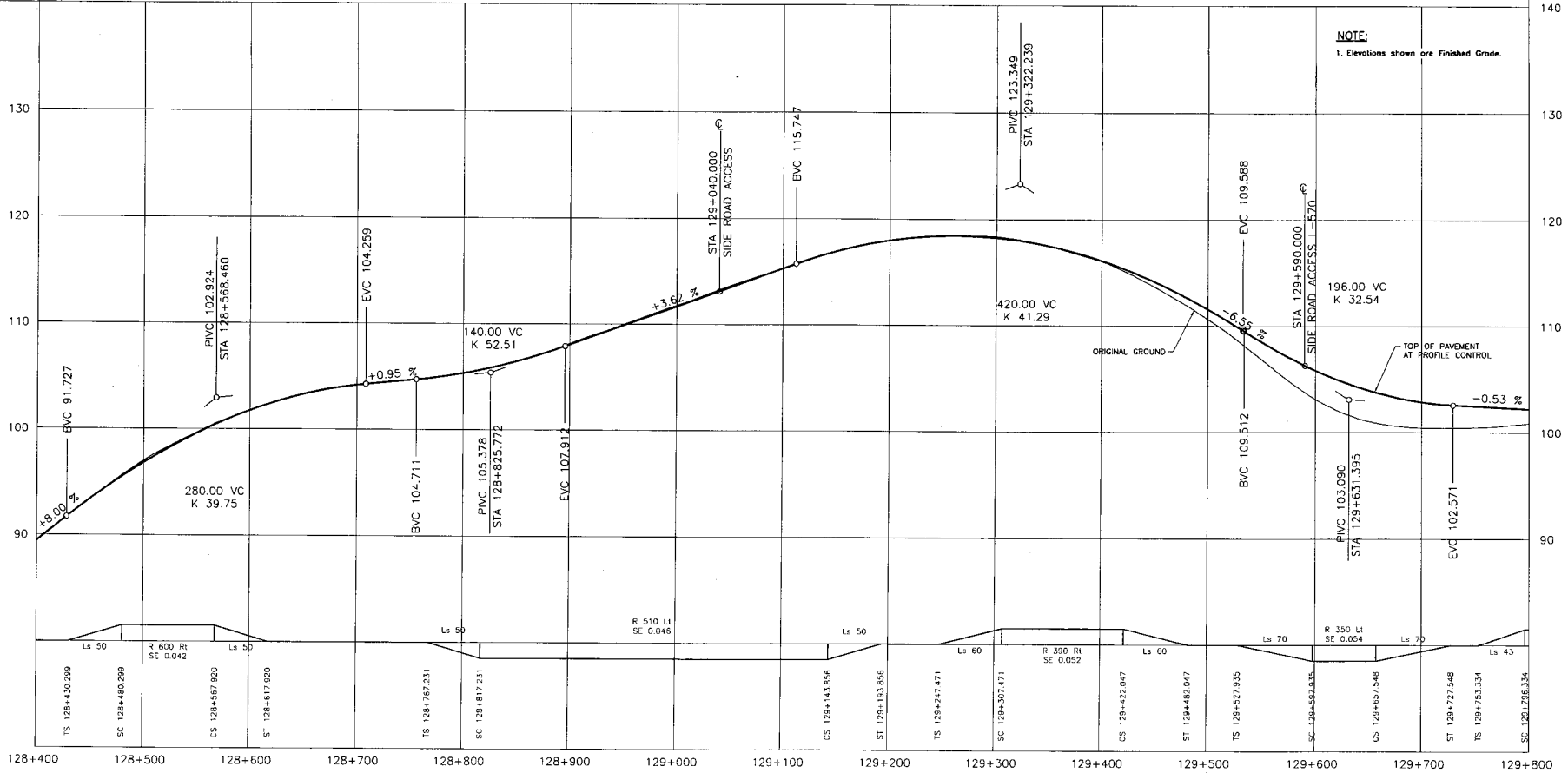
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB05-0204 PC

REFERENCE DRAWINGS

REVISIONS

HW 00 FILE IN

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

DESIGNED: J. SLON, DATE: SEP 04 CHECKED: S. TARR, DATE: NOV 04 DRAWN: P. JANEV, DATE: SEP 04 APPROVED: _____, DATE: _____		DBFO - HORSESHOE BAY TO WHISTLER PROFILE DB5 - PORTEAU COVE TO MINATY BAY STA 128+400 TO STA 129+800	
PROJECT MANAGER: _____ DESIGN CONSULTANT: _____		PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER: _____ DATE: _____ DRAWING NO.: _____	
FILE NO.: 214753-EN10-H PROJECT NO.: 09901-ST53 REGION: 1 DRAWING NO.: 41DD-DB05-0205 PC			

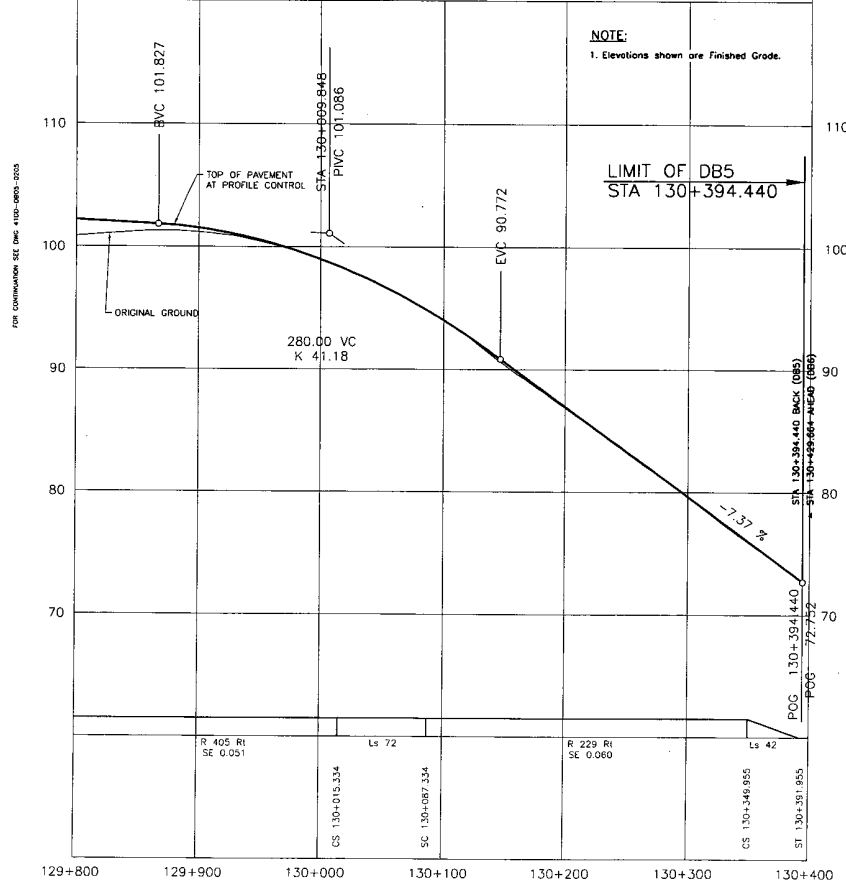
Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PR	04/11/23	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS REVISIONS

DWG. 200 FILE NO.

FOR CONTINUATION SEE DWG. 41DD-DB05-0205

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

SCALE: Horiz 1:2000, 100
Vert. 1:200, 10

DESIGNED: J. SLOAN, DATE SEP. 04
CHECKED: S. TARR, DATE NOV. 04
DRAWN: P. JIMVEY, DATE SEP. 04
APPROVED: _____, DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DBS - PORTEAU COVE TO MINATY BAY
STA 129+800 TO STA 130+394.440

DWG. No.	Description	Rev.	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF: _____
SENIOR DESIGN ENGINEER

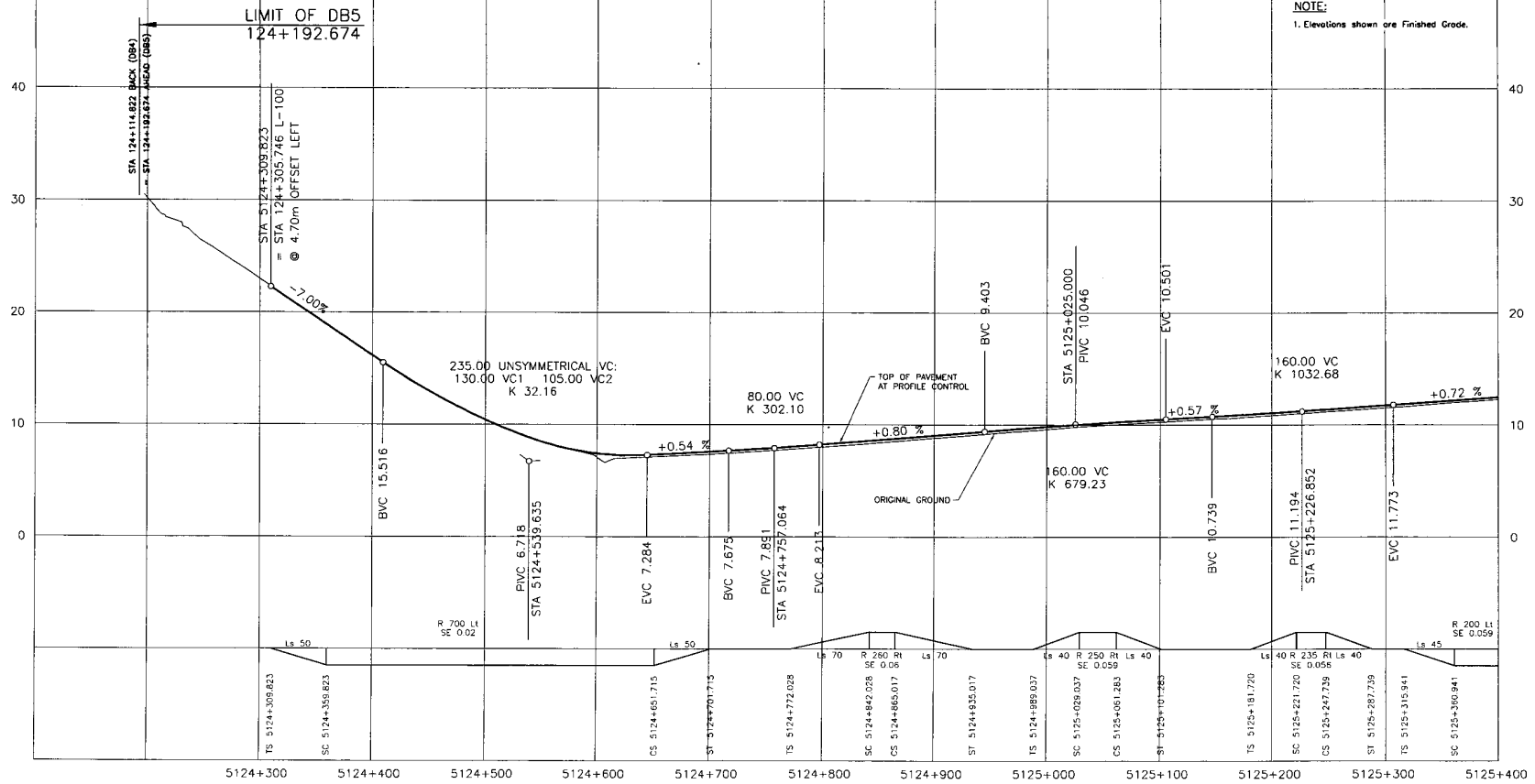
FILE NO. 214753-EN10-H PROJECT NO. 09901-ST53 REGION 1 DRAWING NO. 4100-DB05-0206 PC

REFERENCE DRAWINGS

REVISIONS

1000 1000 1000

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 60 km/h

525 TRANSPORTATION PROFILE

DESIGNED J. SLOAN DATE SEP 04
 CHECKED S. TANK DATE NOV 04
 DRAWN P. WAEV DATE SEP 04
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 TEMPORARY LANE FOR OLYMPICS L-5124
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5124+309.823 TO STA 5125+400

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/24	RE-ISSUED FOR REVIEW	
PC	05/01/13	ISSUED FOR PROPOSAL SUBMISSION	

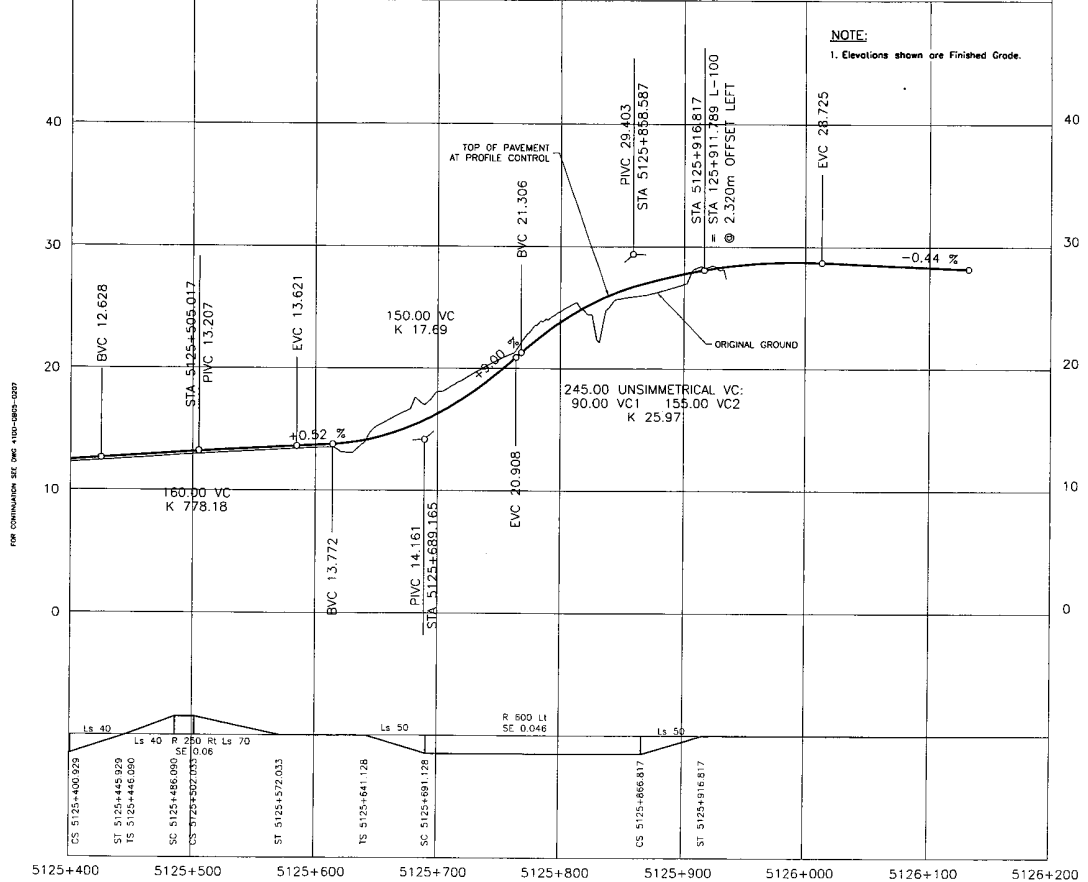
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____

FILE No. **214753-EN10-H** PROJECT No. **09801-ST53** REGION **1** DRAWING No. **410D-DB05-0207/PC**

REFERENCE DRAWINGS REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 60 km/h

S2S TRANSPORTATION GROUP

DESIGNED: J. SALAN DATE: SEP 04
 CHECKED: S. TAHR DATE: NOV 04
 DRAWN: D. JAVEL DATE: SEP 04
 APPROVED: DATE:

SCALE: 0 Horiz 1:2000 100
 0 Vert. 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 TEMPORARY LANE FOR OLYMPICS L-5124
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5125+400 TO STA 5126+916.817

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____

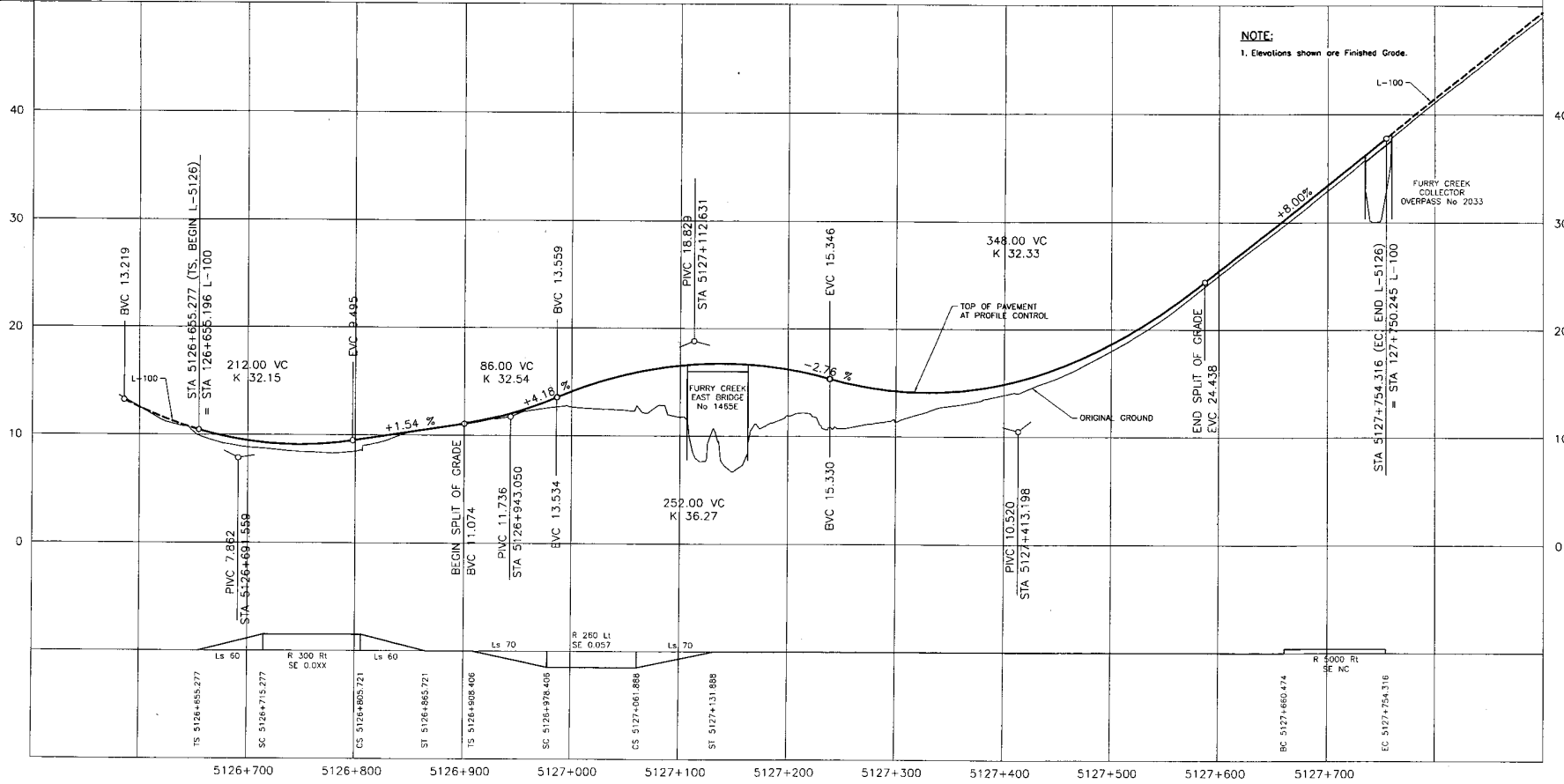
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DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		FB	04/11/23	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS REVISIONS

HWY 200 FILE NO.

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 80 km/h

525 TRANSPORTATION GROUP

DESIGNED: J. SLON, DATE: SEP 04
 CHECKED: S. JARR, DATE: NOV 04
 DRAWN: P. JANEY, DATE: SEP 04

SCALE: Horiz: 1:2000, Vert: 1:200

APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE L-5126
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5126+655.277 TO STA 5127+754.316

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

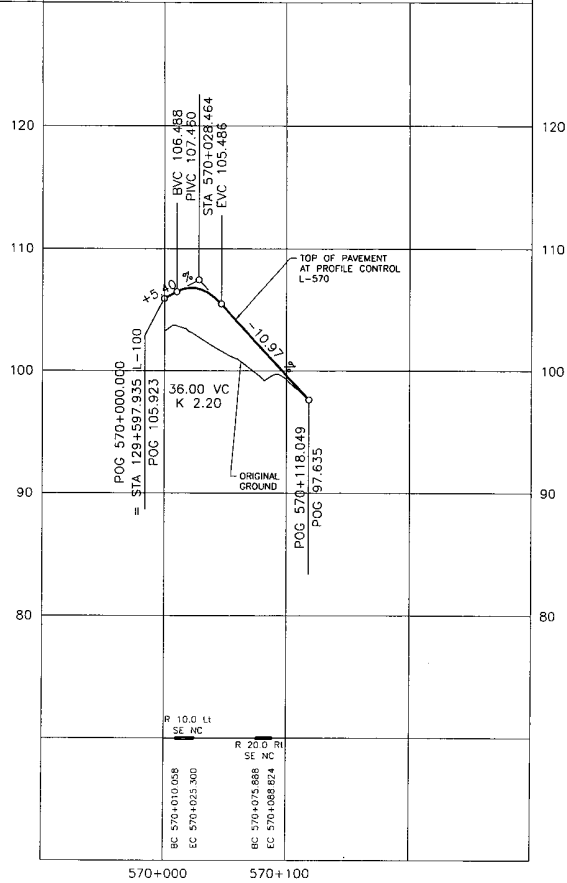
PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB05-0209 PC

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

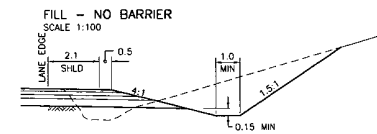
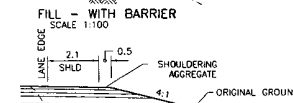
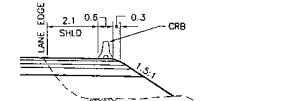
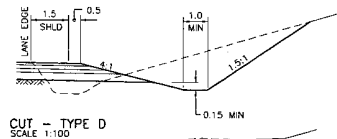
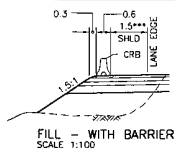
REFERENCE DRAWINGS REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 30 km/h

 TRANSPORTATION GROUP	 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																									
	DBFO - HORSESHOE BAY TO WHISTLER PROFILE L-570 DB5 - PORTEAU COVE TO MINATY BAY																									
DESIGNED: J. SLOAN DATE DEC 04 CHECKED: S. TARR DATE DEC 04 DRAWN: P. JANEV DATE DEC 04 APPROVED: _____ DATE _____	SCALE: 0 Horiz: 1:2000 100 0 Vert: 1:200 10	PROJECT MANAGER: Hatch Mott MacDonald DESIGN CONSULTANT: ISL Infrastructure Systems Ltd. PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER FILE No.: 214753-EN10-H PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 410D-DB05-0210 PC																								
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DWG. No.	Description	Rev.	Date	Description	Signature																					
PC	05/01/10			ISSUED FOR PROPOSAL SUBMISSION																						

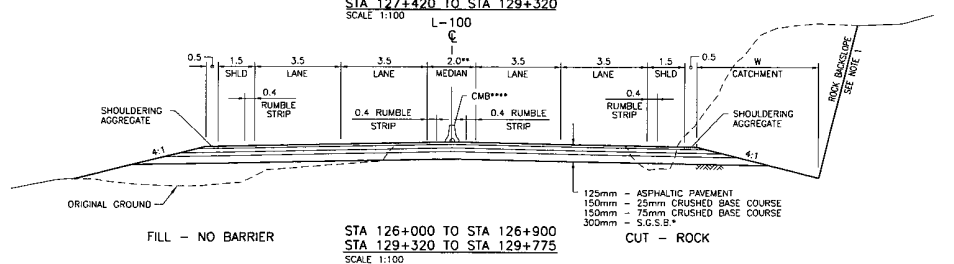
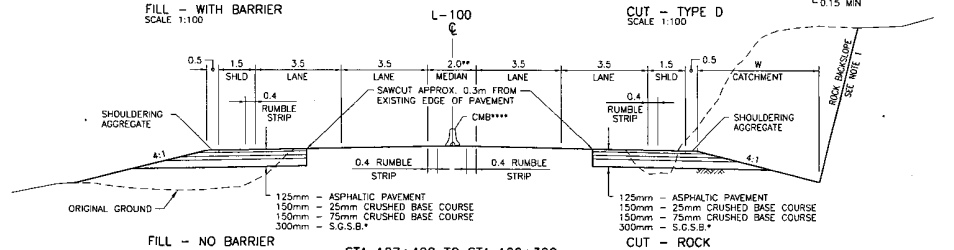


ROCK CATCHMENT WIDTH (W)

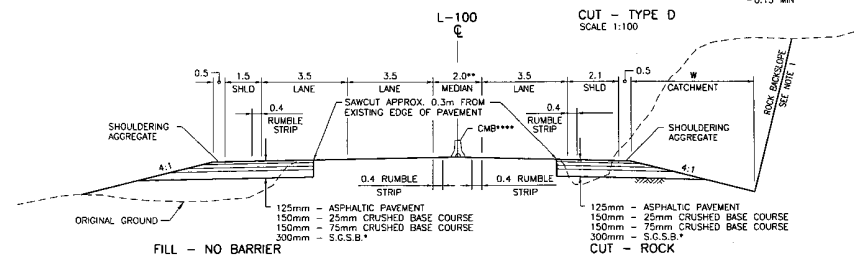
ROCK SLOPE HEIGHT	CATCHMENT WIDTH
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m

NOTES

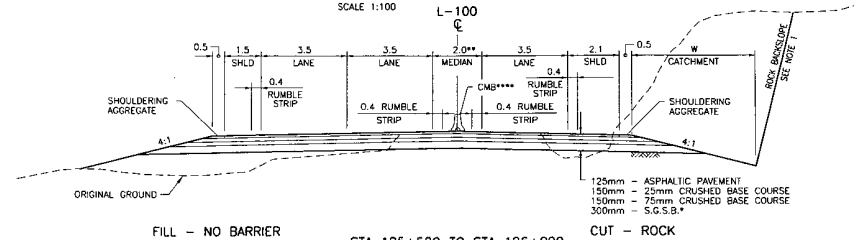
- * USE S.C.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
 - ** WIDTH VARIES UP TO 3.20m
 - *** WIDTH VARIES UP TO 1.90m
 - **** LOCATION OF BARRIER VARIES WITHIN MEDIAN
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.



L-100
4 LANE SECTION DIVIDED

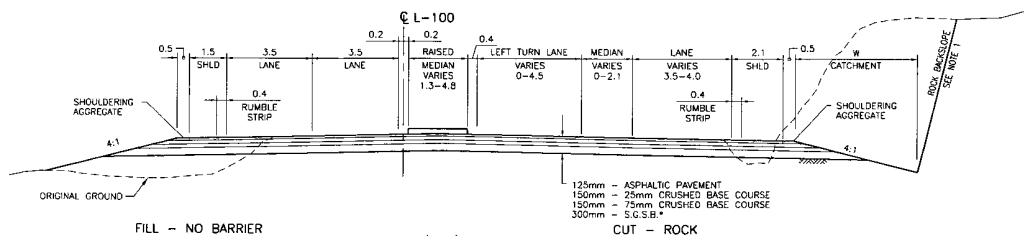


L-100
SCALE 1:100

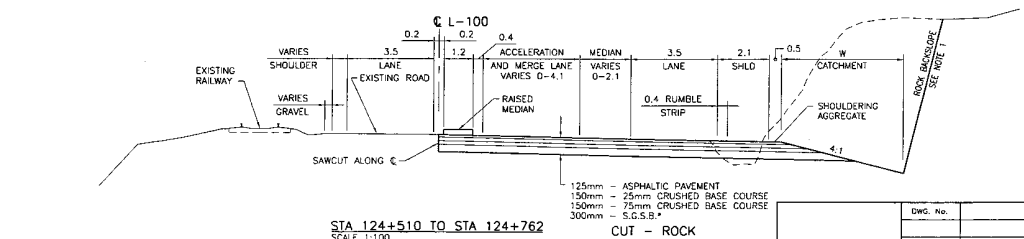


L-100
SCALE 1:100

L-100
3 LANE SECTION DIVIDED



L-100
SCALE 1:100



L-100
CHANNELIZED "T" INTERSECTION AT PORTEAU COVE



SCALE AS SHOWN

DESIGNED: J. SLOAN DATE: OCT 04
CHECKED: S. TARR DATE: NOV 04
DRAWN: P. JAVARY DATE: OCT 04
APPROVED: DATE:

Rev. Date Description

PA ISSUED FOR REVIEW

PB 04/11/25 RE-ISSUED FOR REVIEW

PC 05/01/10 ISSUED FOR PROPOSAL SUBMISSION

DESCRIPTION SIGNATURE



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
TYPICAL SECTIONS AND DETAILS

DBS - PORTEAU COVE TO MINATY BAY



Project Managers

Design Consultant

FILE NO. 214753-EN10-H

PROJECT NO. 08901-ST53

REGION 1

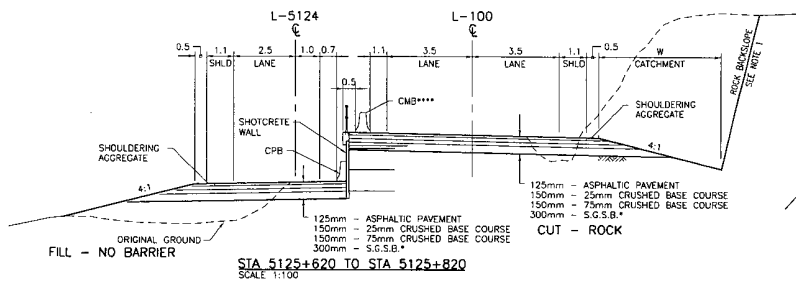
PREPARED UNDER THE DIRECTION OF

SENIOR DESIGN ENGINEER

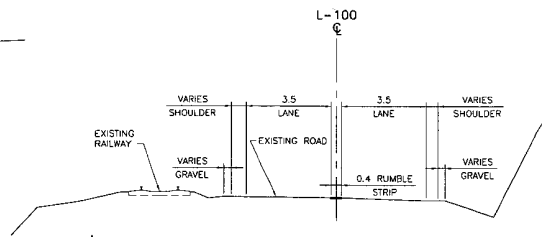
DATE DRAWING NO. 41DD-DB05-0301 PC

REFERENCE DRAWINGS

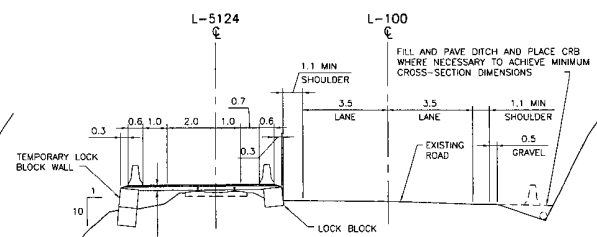
REVISIONS



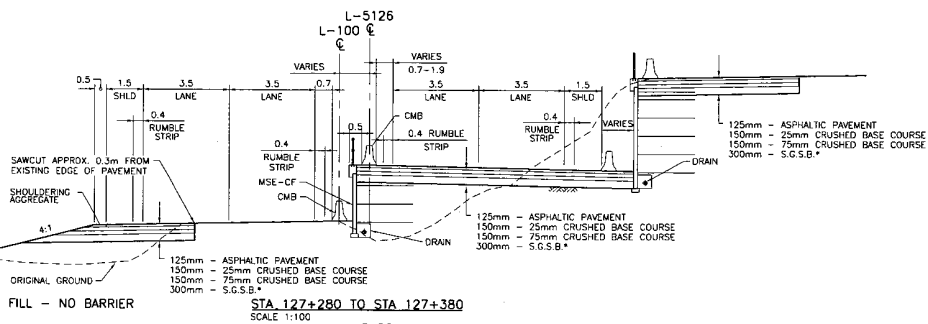
STA 5125+620 TO STA 5125+820
L-100 AND L-5124
OLYMPIC TEMPORARY 3 LANE SECTION SPLIT GRADE



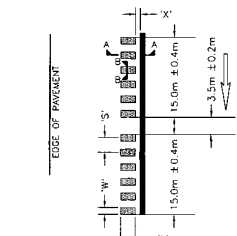
PORTEAU BLUFF
 STA 124+762 TO STA 125+580
L-100
2 LANE SECTION UNDIVIDED



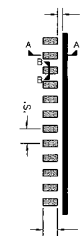
STA 5124+600 TO STA 5125+620
L-5124
OLYMPIC TEMPORARY LANE



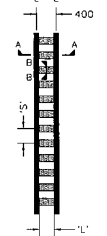
STA 127+280 TO STA 127+380
L-5126
L-100



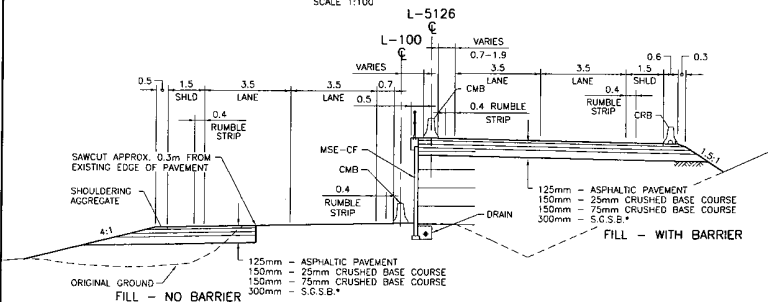
SHOULDER RUMBLE STRIP
DETAIL
 SCALE: 1:50



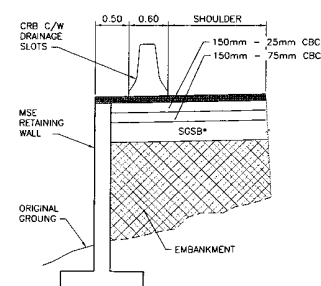
CENTRELINE RUMBLE STRIP
DETAIL (WITH MEDIAN)
 SCALE: 1:50



CENTRELINE RUMBLE STRIP
DETAIL (WITHOUT MEDIAN)
 (SEE NOTE B)
 SCALE: 1:50



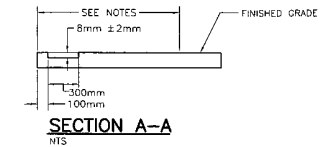
STA 126+900 TO STA 127+280
 STA 127+380 TO STA 127+420
L-5126
L-100
SPLIT GRADE AT FURRY CREEK



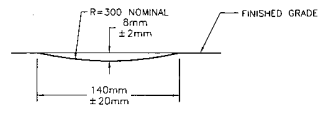
RETAINING WALL DETAIL
 NTS

NOTES FOR RUMBLE STRIPS:

- OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ± 10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WIDTH.
- LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
- WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ± 2mm).
- SPACING 'S' BETWEEN STRIPS IS 300mm.
- FOR FURTHER DETAILS, SEE MoT TECHNICAL BULLETINS DS04001 AND DS04002.
- CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN) SUBJECT TO MOT APPROVAL.
- 400mm WIDTH LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.



SECTION A-A
 NTS



SECTION B-B
 NTS

ROCK CATCHMENT WIDTH (W)

ROCK SLOPE HEIGHT	CATCHMENT WIDTH
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m

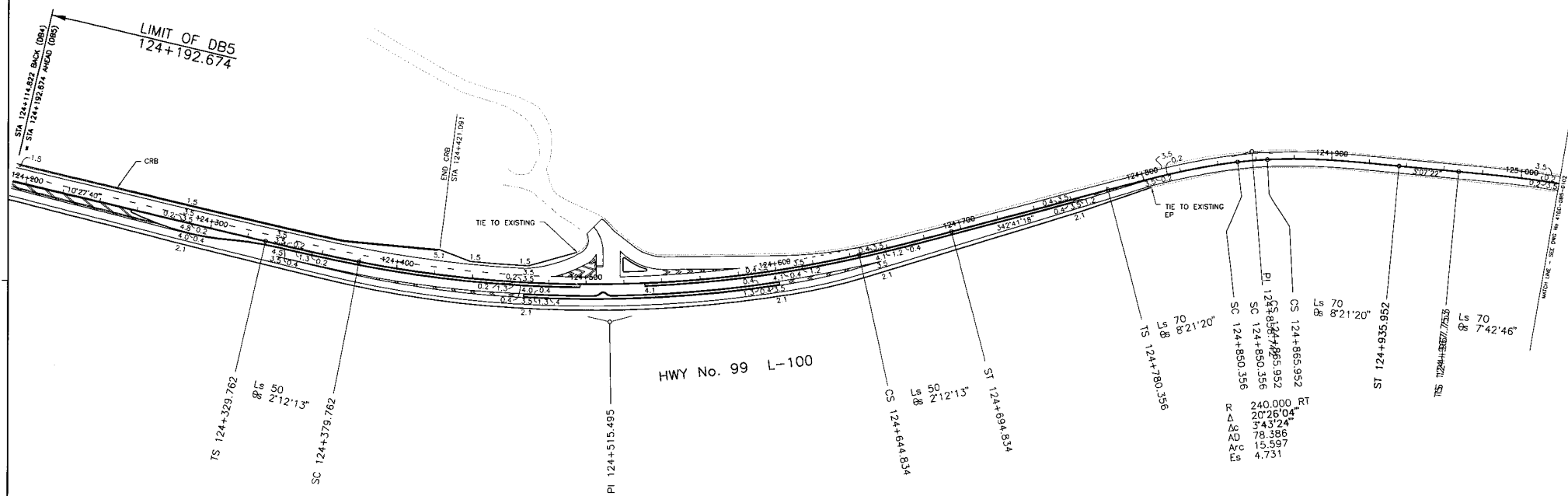
NOTES

- USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
 - WIDTH VARIES UP TO 3.20m
 - WIDTH VARIES UP TO 1.90m
 - LOCATION OF BARRIER VARIES WITHIN MEDIAN
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN

 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION	
SCALE AS SHOWN		DESIGNED: J. SLOAN DATE: OCT. 04 CHECKED: S. IARR DATE: NOV. 04 DRAWN: P. JANEY DATE: OCT. 04 APPROVED: DATE:	
PROJECT MANAGER Hatch Mott MacDonald	DESIGN CONSULTANT ISL Infrastructure Systems Ltd.	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE:	
FILE NO. 214753-EN10-H	PROJECT NO. 09901-ST53	REGION 1	DRAWING NO. 41DD-DB05-0302 PC

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS REVISIONS

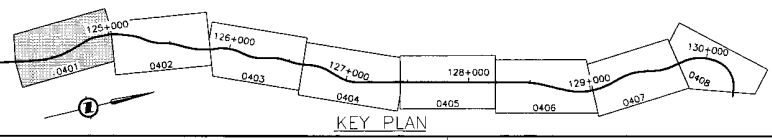


R 650.000 LT
 Δ 2746'21"
 Δc 23'21'55"
 AD 185.733
 Arc 265.072
 Es 19.734

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

S2S TECHNICAL SUPPLEMENT



		DESIGNED: J. SLOAN CHECKED: S. THOM DRAWN: P. JANEY APPROVED: _____ DATE: _____
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MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DBS - PORTEAU COVE TO MINATY BAY
 STA 124+192.674 TO STA 125+020

DWG. No.	Description

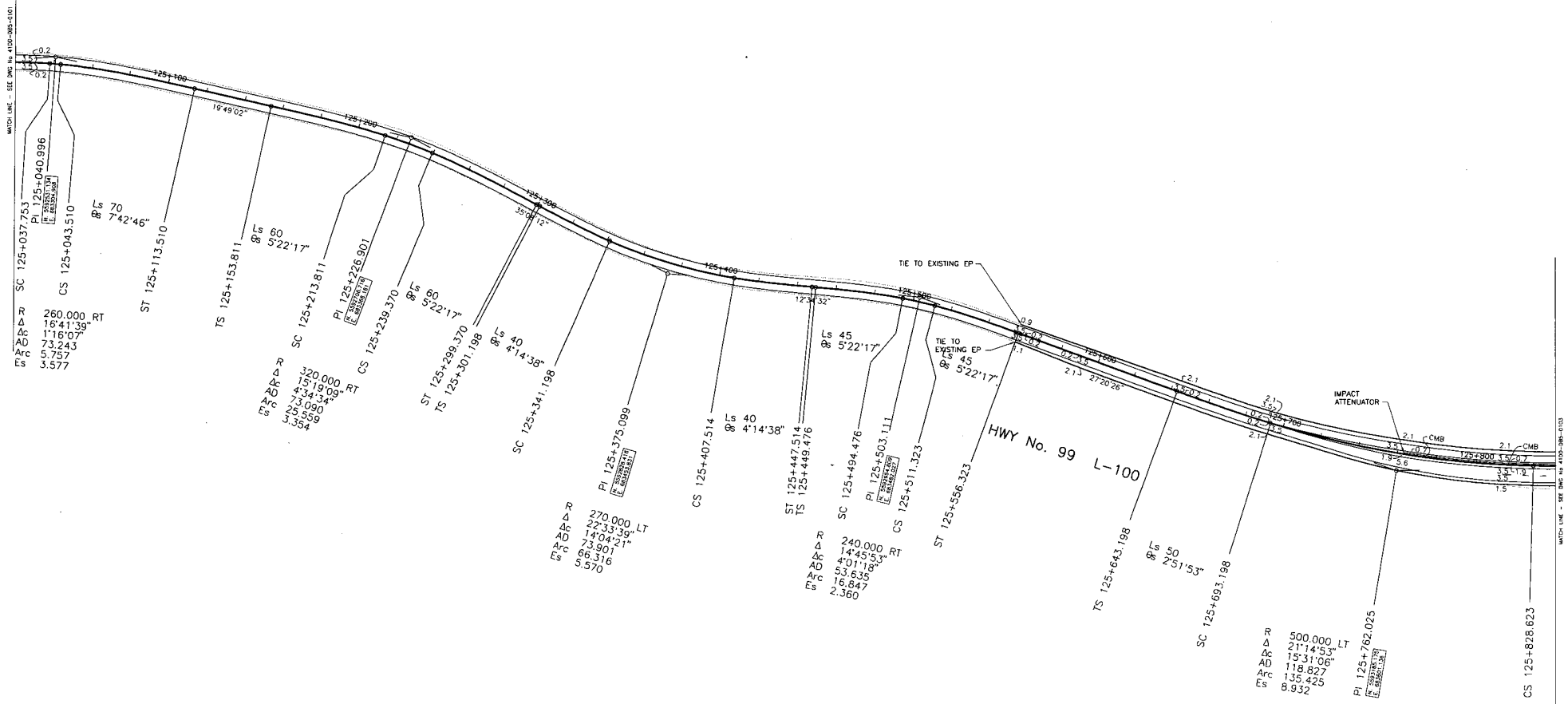
Rev.	Date	Description	Signature
PA		ISSUED FOR REVIEW	
RB	04/11/23	RE-ISSUED FOR REVIEW	
PC	05/01/16	ISSUED FOR TECHNICAL SUBMISSION SUPPLEMENT	

Project Managers 	Design Consultants 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: _____ DRAWING No. _____
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB05-0401 PC

REFERENCE DRAWINGS

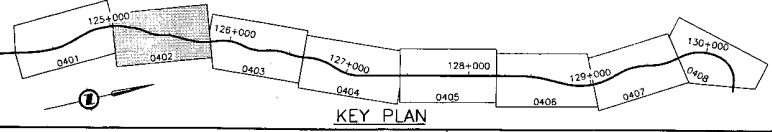
REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED



KEY PLAN

OWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 1:1000

DESIGNED: J. SLOAN DATE: SEP. 04
 CHECKED: S. FARR DATE: NOV. 04
 DRAWN: D. BRADY DATE: SEP. 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

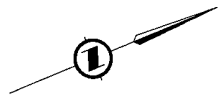
DBS - PORTEAU COVE TO MINATY BAY
STA 125+020 TO STA 125+840

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB05-0402-PC

MATCH LINE - SEE DWG NO. 4100-DB05-0103

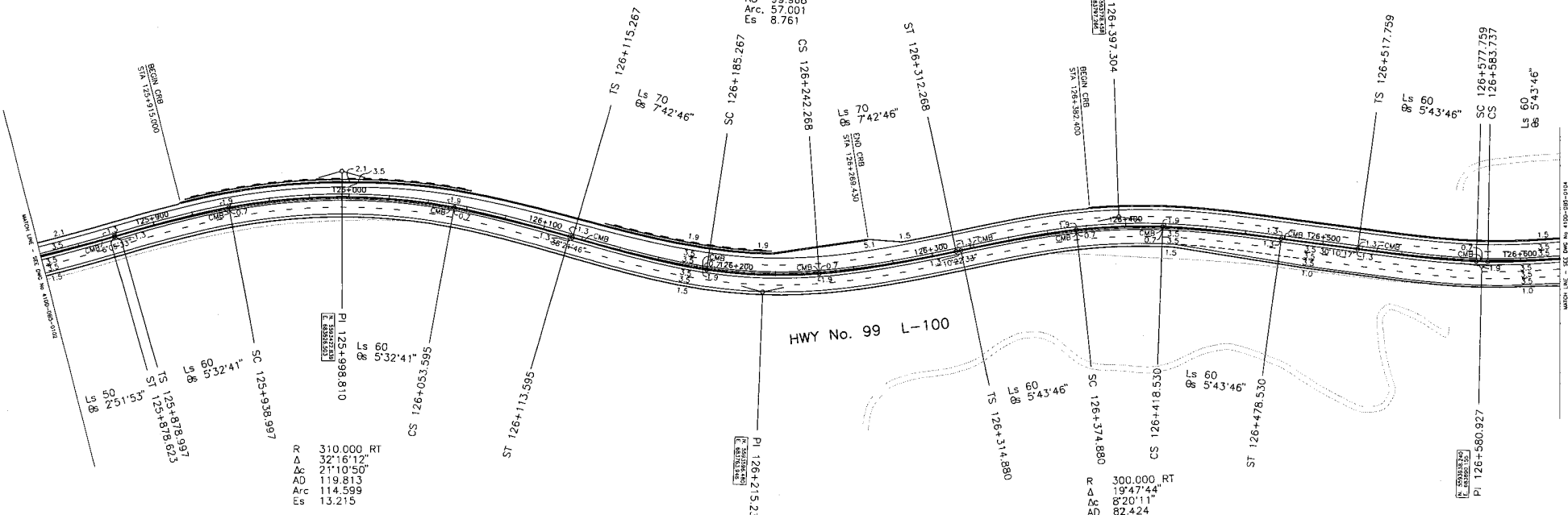
R 300.000 LT
 Δ 12°36'03"
 Δc 1'08'30"
 AD 63.188
 Arc 5.976
 Es 2.326



R 260.000 LT
 Δ 27°59'13"
 Δc 12°33'40"
 AD 99.968
 Arc 57.001
 Es 8.761

R 310.000 RT
 Δ 32°18'12"
 Δc 21°10'50"
 AD 119.813
 Arc 114.599
 Es 13.215

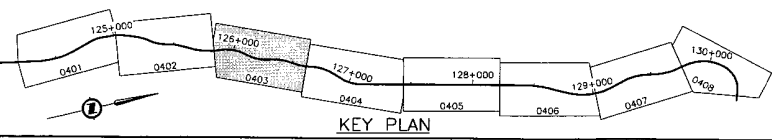
R 300.000 RT
 Δ 19°47'44"
 Δc 8°20'11"
 AD 82.424
 Arc 43.650
 Es 5.040



HWY No. 99 L-100

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	24/11/25 RE-ISSUED FOR REVIEW				
PC	03/01/10 ISSUED FOR PROPOSAL SUBMISSION				

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JANEY DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DBS - PORTEAU COVE TO MINATY BAY
 STA 125+840 TO STA 126+620

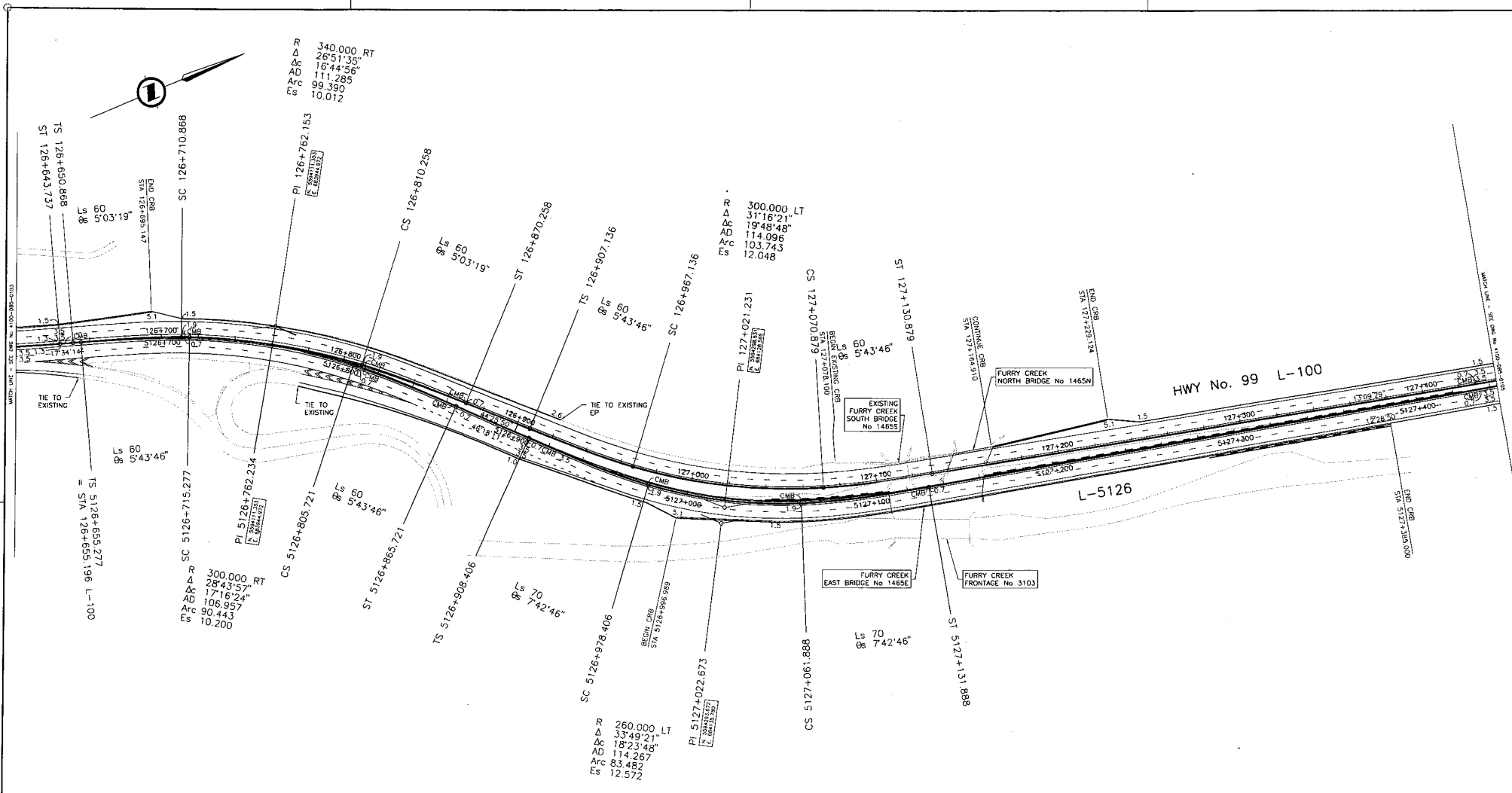
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB05-0403 IPC

REFERENCE DRAWINGS

REVISIONS



R 340.000 RT
 Δ 26°51'35"
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 AD 111.285
 Arc 99.390
 Es 10.012

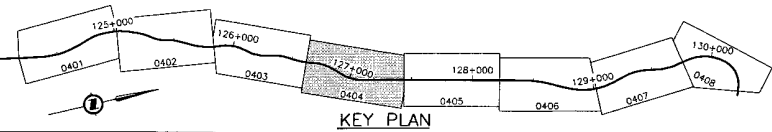
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 Δ 31°16'21"
 Δc 19°48'48"
 AD 114.096
 Arc 103.743
 Es 12.048

R 300.000 RT
 Δ 28°43'57"
 Δc 17°16'24"
 AD 106.957
 Arc 90.443
 Es 10.200

R 260.000 LT
 Δ 33°49'21"
 Δc 18°23'48"
 AD 114.267
 Arc 83.482
 Es 12.572

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED J. SLOAN DATE SEP 04
 CHECKED S. HARR DATE NOV 04
 DRAWN P. JAMES DATE SEP 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

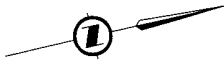
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DBS - PORTEAU COVE TO MINATY BAY
 STA 126+520 TO STA 127+440

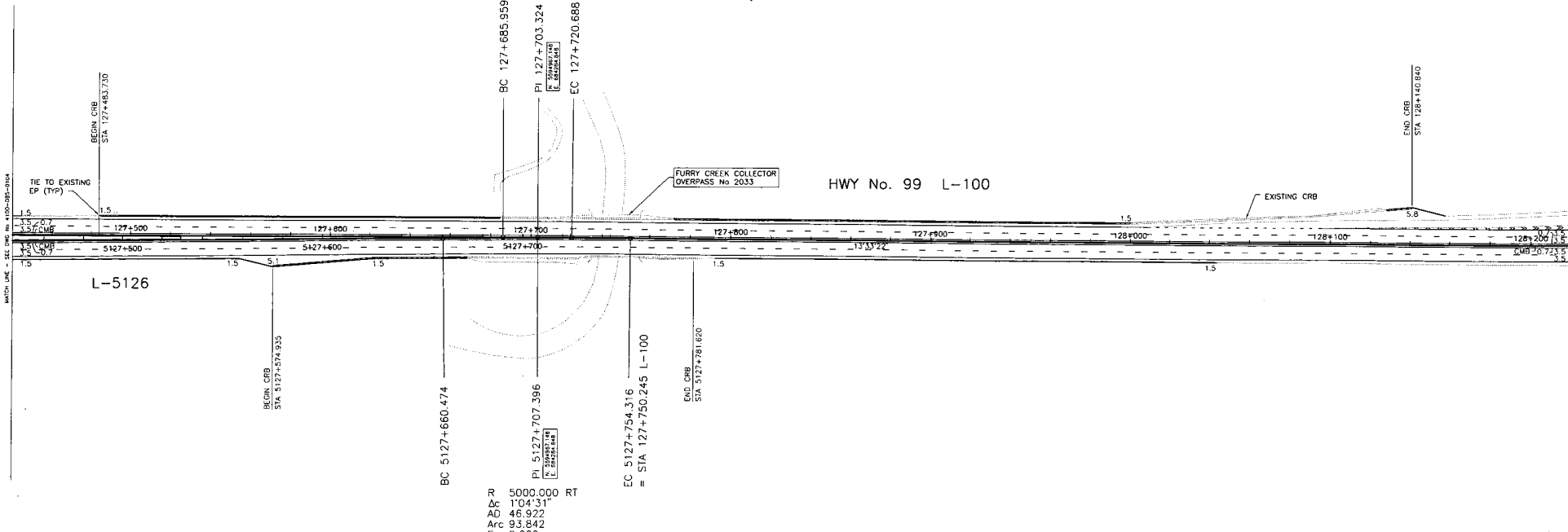
Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/23	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager Hatch Mott MacDonald	Design Consultant ISL Infrastructure Systems Ltd.	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
		DRAWING No. 41DD-DB05-0404 PC

REFERENCE DRAWINGS REVISIONS



R 5000.000 RT
 Δc 0'23".52"
 AD 17.365
 Arc 34.729
 Ec 0.030



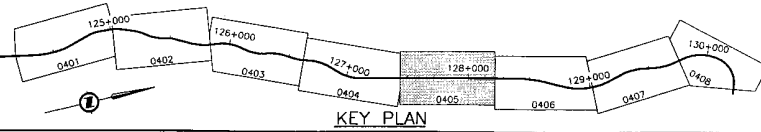
L-5126

HWY No. 99 L-100

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



R 5000.000 RT
 Δc 1'04".31"
 AD 48.922
 Arc 93.842
 Ec 0.220





KEY PLAN

DWG. No.	Description

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	



MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DBS - PORTEAU COVE TO MINATY BAY
 STA 127+440 TO STA 128+220

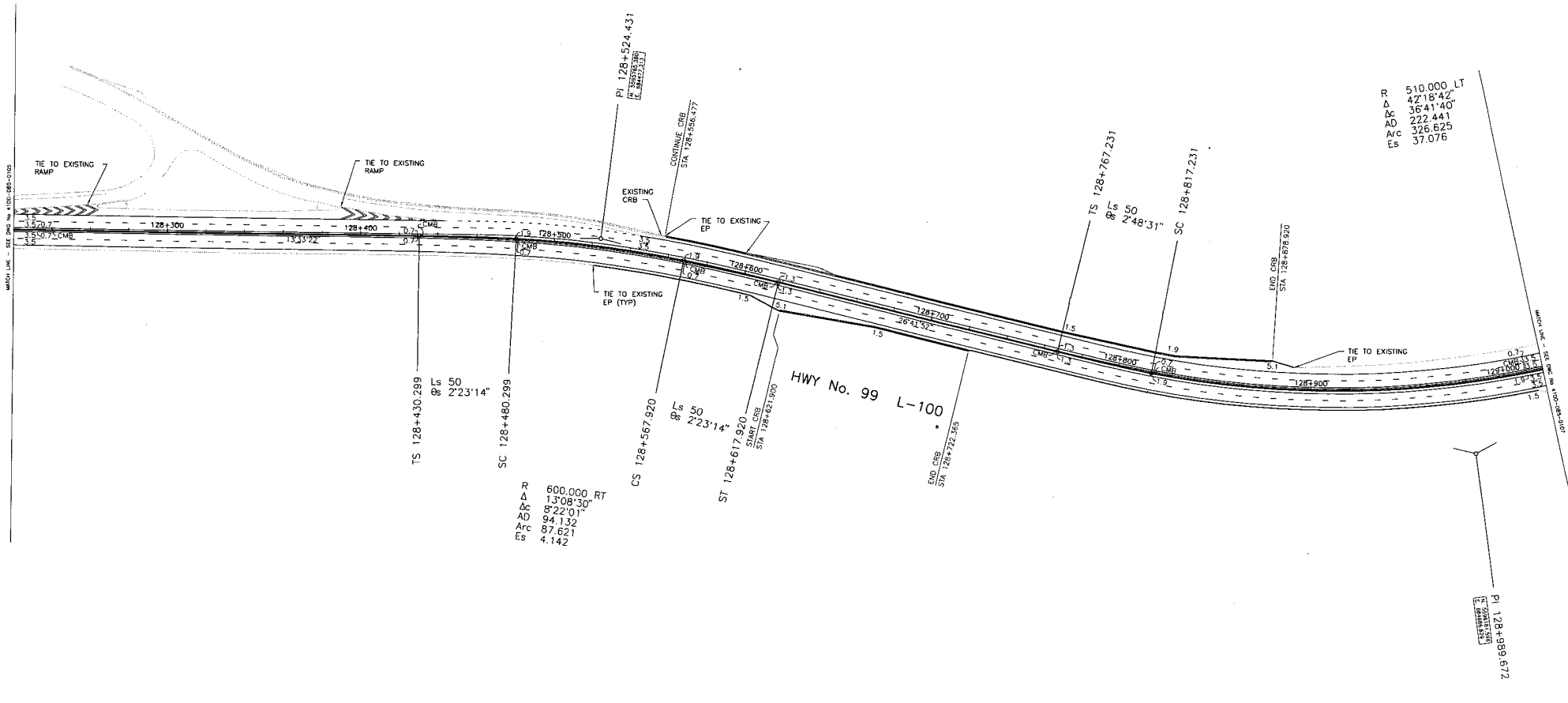
Project Managers  Hatch Mott MacDonald	Design Consultant  ISL Infrastructure Systems Ltd.	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1

REFERENCE DRAWINGS

REVISIONS

HWY 99 PLAN

HWY 99 PLAN - SEC. DWG. No. 4100-DB05-0405

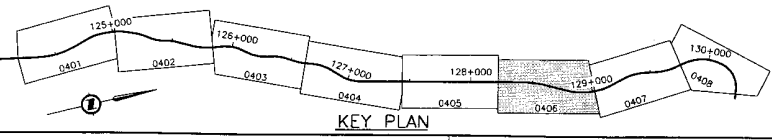


R 510.000 LT
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 Ac 3641'40"
 AD 222.441
 Arc 326.625
 Es 37.076

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 Ac 822'01"
 AD 94.132
 Arc 87.621
 Es 4.142

DESIGN SPEED 80 km/h

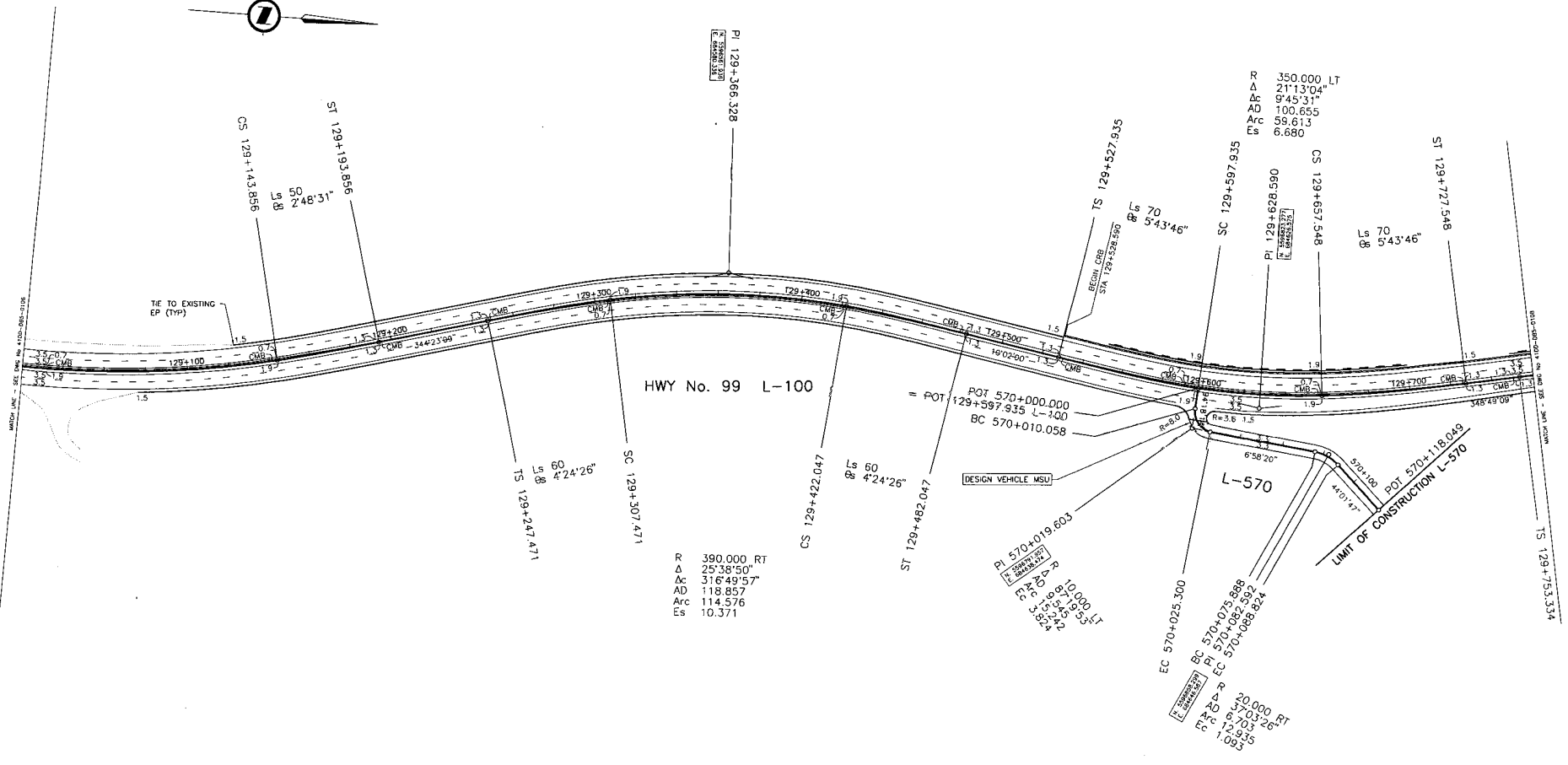
ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



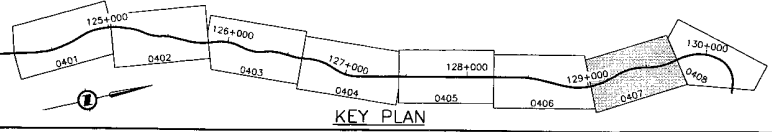
DWG. No.	Description

Rev.	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING			
DBS - PORTEAU COVE TO MINATY BAY STA 128+220 TO STA 129+020			
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF	
Hatch Mott MacDonald	ISL Infrastructure Systems Ltd.	SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-H	09901-ST53	1	4100-DB05-0406 PC



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED



DWG. No.	Description	Rev	Date	Description	Signature

S2S TRANSPORTATION GROUP

DESIGNED: J. SLUM DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: M. JUMBY DATE: SEP 04
 APPROVED: _____ DATE: _____

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

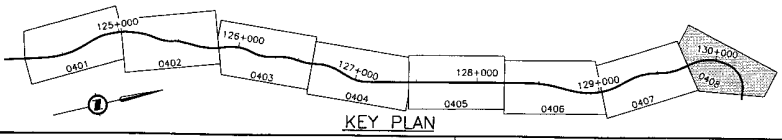
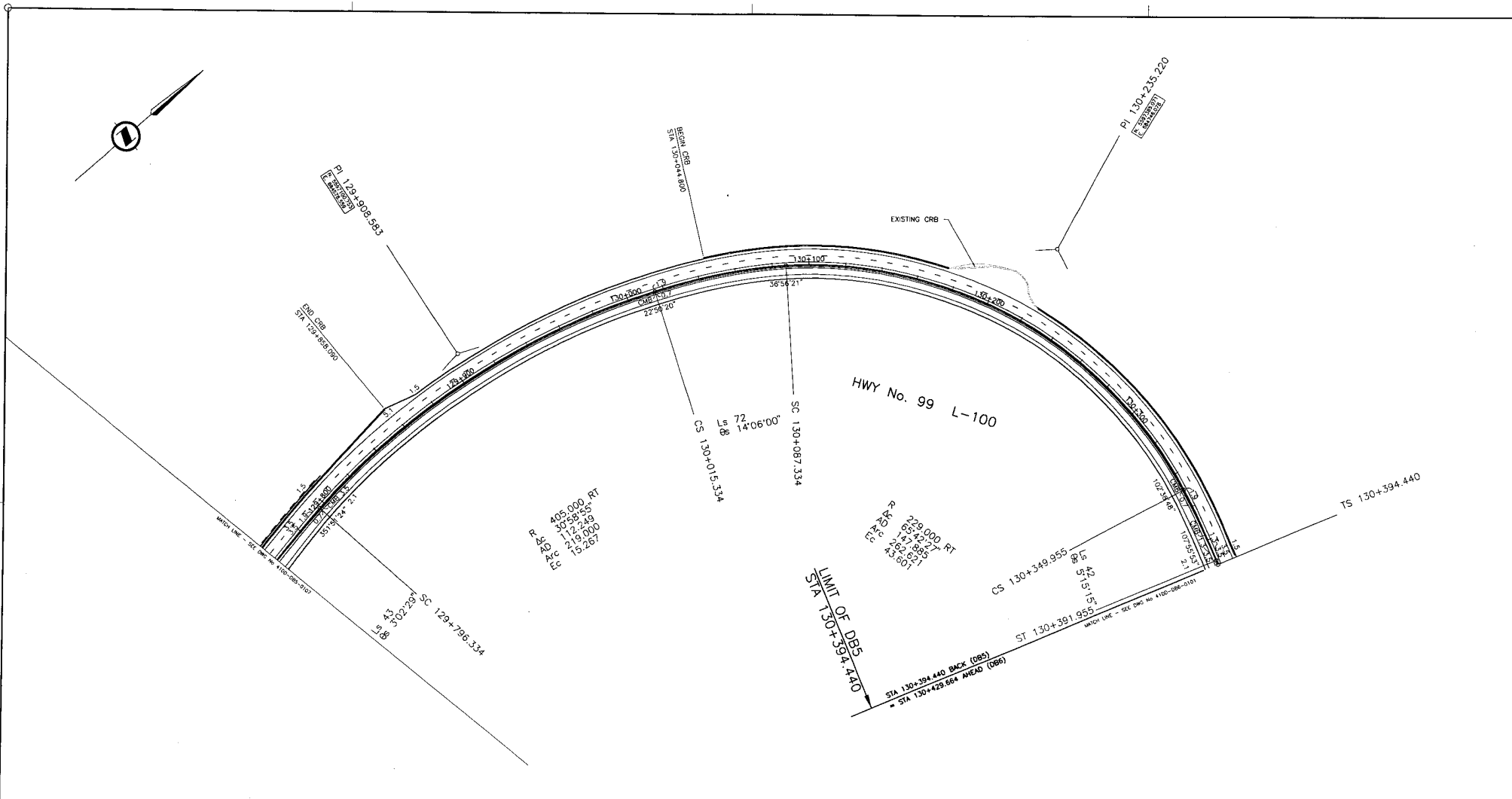
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DBS - PORTEAU COVE TO MINATY BAY
 STA 129+020 TO STA 129+760

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____ DRAWING No. _____

FILE No. **214753-EN10-H** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **4100-DB05-0407 PC**



DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

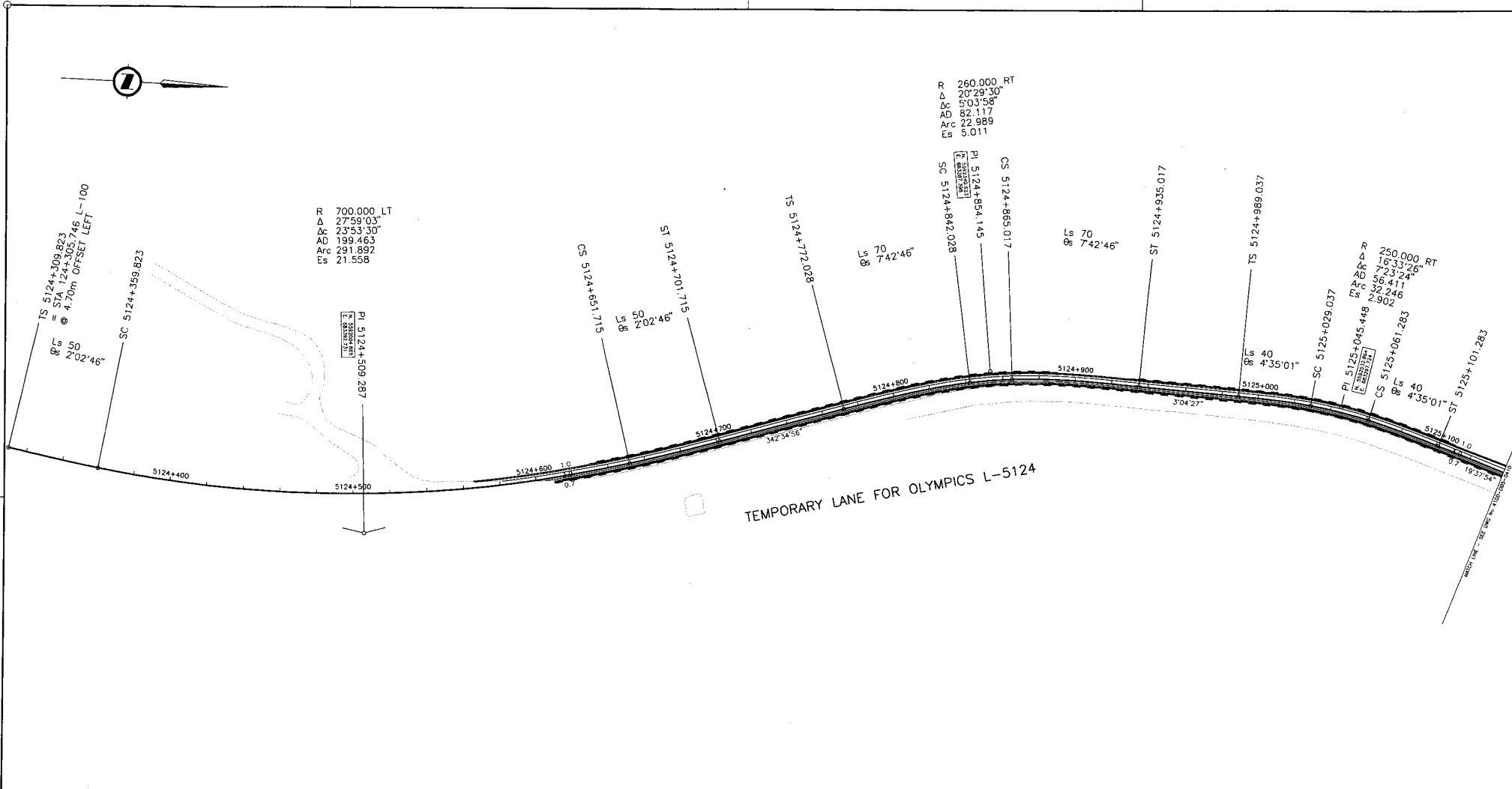
DWG. No.	Description

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

 S2S TRANSPORTATION GROUP	 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
	DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LAINING	
DBS - PORTEAU COVE TO MINATY BAY STA 129+760 TO STA 130+394.440		PREPARED UNDER THE DIRECTION OF PROJECT MANAGERS DESIGN CONSULTANT SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DATE SEP 04		DRAWING No. 4100-DB05-0408 PC

REFERENCE DRAWINGS

REVISIONS



R 700.000 LT
 Δ 27°59'03"
 Δc 23°53'30"
 AD 199.463
 Arc 291.892
 Es 21.558

R 260.000 RT
 Δ 20°29'30"
 Δc 5°03'58"
 AD 82.117
 Arc 22.989
 Es 5.011

R 250.000 RT
 Δ 16°33'26"
 Δc 7°23'24"
 AD 56.411
 Arc 28.246
 Es 2.902

DESIGN SPEED 60 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

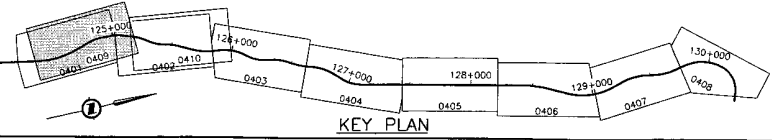
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED J. SLOAN DATE SEP. 04
 CHECKED S. TARR DATE NOV. 04
 DRAWN P. JANEV DATE SEP. 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 TEMPORARY LANE FOR OLYMPICS L-5124
 DB5 - PORTEAU COVE TO MINATY BAY
 STA 5124+309.823 TO STA 5125+140

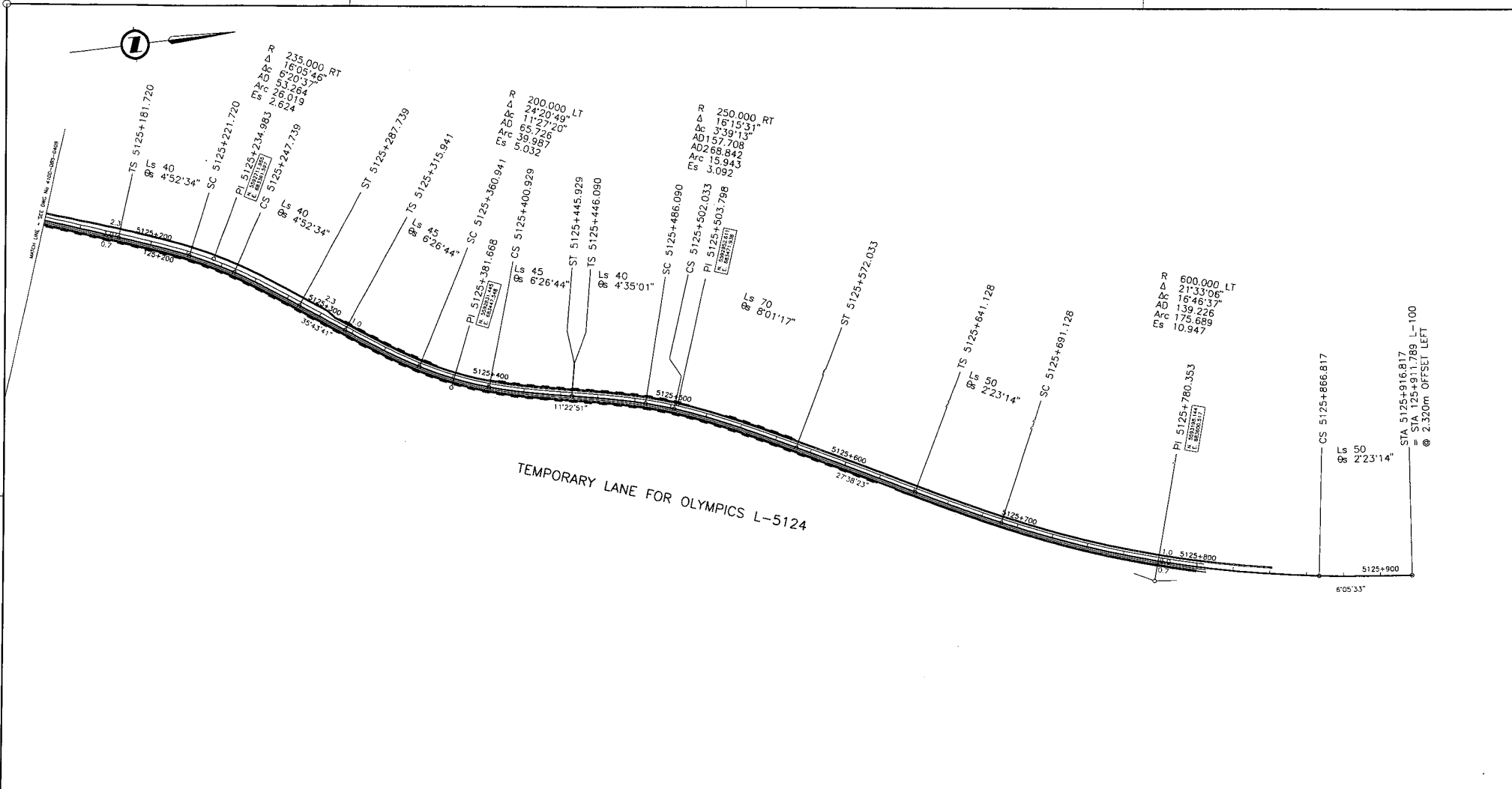


DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PR 04/11/25	RE-ISSUED FOR REVIEW				
PC 05/01/10	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

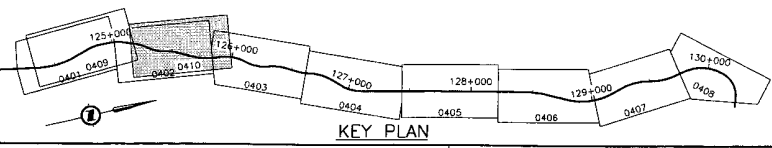
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB05-0409 PC



TEMPORARY LANE FOR OLYMPICS L-5124

DESIGN SPEED 60 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED



Orig. No.	Description

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/23	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

 TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING TEMPORARY LANE FOR OLYMPICS L-5124 DB5 - PORTEAU COVE TO MINATY BAY STA 5125+140 TO STA 5125+916.817			
Project Managers Hatch Mott MacDonald	Design Consultant ISL Infrastructure Systems Ltd.	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.	
FILE No. 214753-EN10-H	PROJECT No. 08901-ST53	RECH. 1	DRAWING No. 41DD-DB05-0410 PC

REFERENCE DRAWINGS

REVISIONS

DRAWING INDEX

4100-DB06-0001	PC	KEY MAP & TITLE	
4100-DB06-0101	PC	PLAN	STA 130+429 TO STA 131+066
4100-DB06-0102	PC	PLAN	STA 131+066 TO STA 131+745
4100-DB06-0103	PC	PLAN	STA 131+745 TO STA 132+482
4100-DB06-0104	PC	PLAN	STA 132+482 TO STA 133+186
4100-DB06-0105	PC	PLAN	STA 133+186 TO STA 133+895
4100-DB06-0106	PC	PLAN	STA 133+895 TO STA 134+694
4100-DB06-0107	PC	PLAN	STA 134+694 TO STA 134+987
4100-DB06-0201	PC	PROFILE	STA 130+429 TO STA 131+600
4100-DB06-0202	PC	PROFILE	STA 131+600 TO STA 132+900
4100-DB06-0203	PC	PROFILE	STA 132+900 TO STA 134+200
4100-DB06-0204	PC	PROFILE	STA 134+200 TO STA 134+987
4100-DB06-0301	PC	TYPICAL SECTIONS	
4100-DB06-0401	PC	GEOMETRICS AND LANING	STA 130+429 TO STA 131+066
4100-DB06-0402	PC	GEOMETRICS AND LANING	STA 131+066 TO STA 131+745
4100-DB06-0403	PC	GEOMETRICS AND LANING	STA 131+745 TO STA 132+482
4100-DB06-0404	PC	GEOMETRICS AND LANING	STA 132+482 TO STA 133+186
4100-DB06-0405	PC	GEOMETRICS AND LANING	STA 133+186 TO STA 133+895
4100-DB06-0406	PC	GEOMETRICS AND LANING	STA 133+895 TO STA 134+694
4100-DB06-0407	PC	GEOMETRICS AND LANING	STA 134+694 TO STA 134+987
4100-DB06-0408	PC	LANING CONCEPT DURING OLYMPIC PERIOD	STA 131+745 TO STA 132+482
4100-DB06-0409	PC	LANING CONCEPT DURING OLYMPIC PERIOD	STA 132+482 TO STA 133+186
4100-DB06-0501	PC	THISTLE CREEK CULVERT REPLACEMENT	STA 131+404



BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

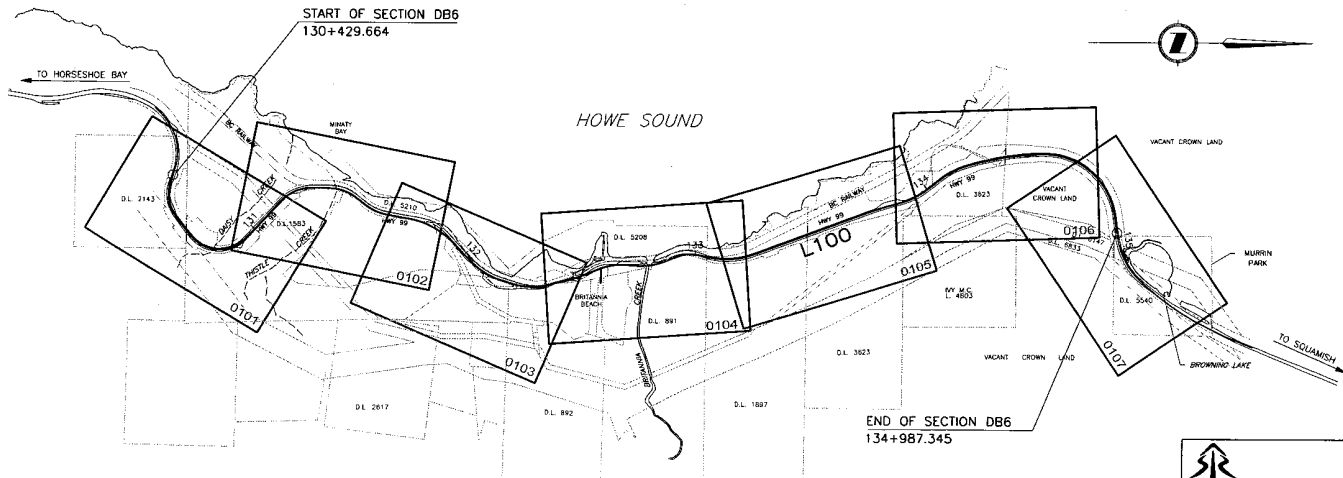
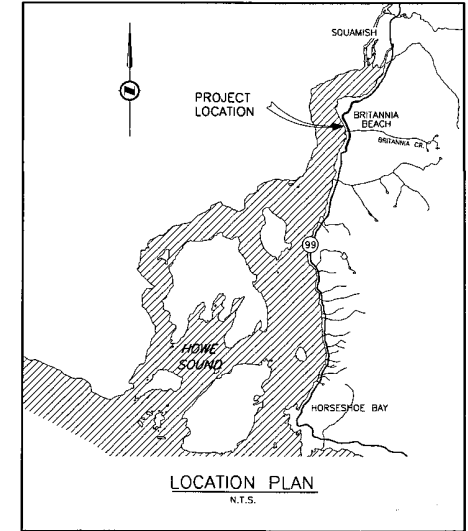
PROJECT No. 09901 STS3

Section DB6

Minaty Bay to Murrin Park

STA. 130+429.664 TO STA. 134+987.345

4.56km

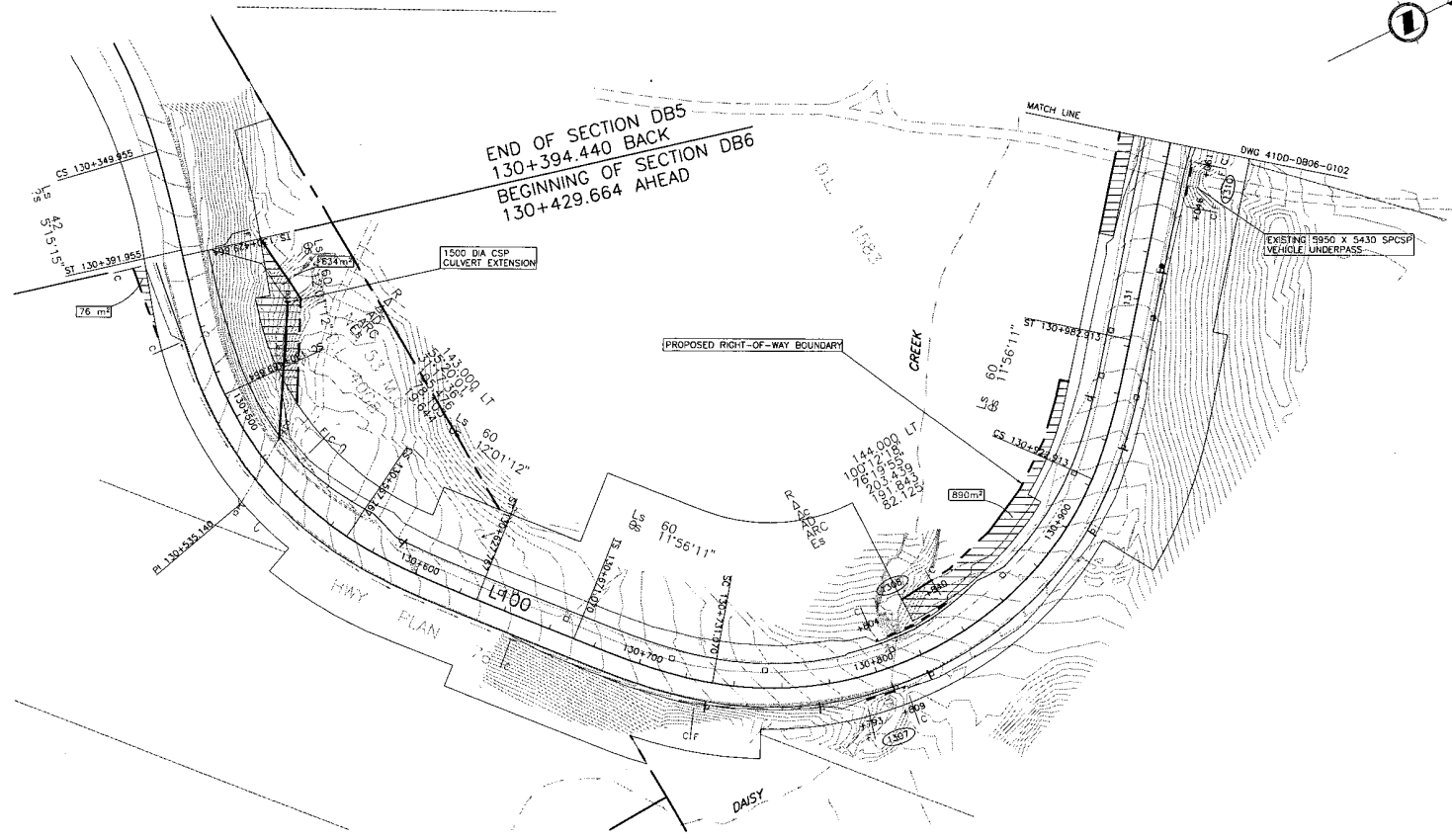
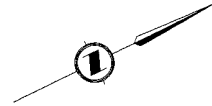


KEY PLAN
SCALE 1:10000

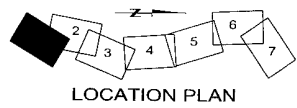
<p>SCALE</p>	DESIGNED: S. CLINTON DATE 04/11/29 CHECKED: B. SEAPSKI DATE 04/11/29 DRAWN: L. LOPEZ DATE 04/11/29 APPROVED: _____ DATE _____	<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p> <p>DBFO - HORSESHOE BAY TO WHISTLER KEY MAP & TITLE</p> <p>DB6 - MINATY BAY TO MURRIN PARK STA 130+429.664 TO STA 134+987.345</p>																							
	PROJECT MANAGERS: Hatch Mott MacDonald DESIGN CONSULTANTS: InterCAD CONSULTING ENGINEERS FILE No: 214753-EN10-C PROJECT No: 09901-ST53 RECORD: 1 DRAWING No: 4100-DB06-0001 PC																								
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>PA</td> <td>04/09/08</td> <td>ISSUED FOR PRICING - 4 LANE OPTION</td> <td></td> </tr> <tr> <td></td> <td></td> <td>PB</td> <td>04/10/18</td> <td>ISSUED FOR PRICING - 3 LANE OPTION</td> <td></td> </tr> <tr> <td></td> <td></td> <td>PC</td> <td>05/01/10</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>	DWG. No.	Description	Rev.	Date	Description	Signature			PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION				PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION				PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____
DWG. No.	Description	Rev.	Date	Description	Signature																				
		PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION																					
		PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION																					
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION																					

REFERENCE DRAWINGS

REVISIONS



DESIGN SPEED 60 km/h



DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

S2S TRANSPORTATION WORKUP

DESIGNED: S. CLINTON, DATE: 04/11/29
 CHECKED: R. SKAFERKI, DATE: 04/11/29
 DRAWN: S. LOPEZ, DATE: 04/11/29
 APPROVED: _____, DATE: _____

SCALE 0 1:1000 50

BRITISH COLUMBIA MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

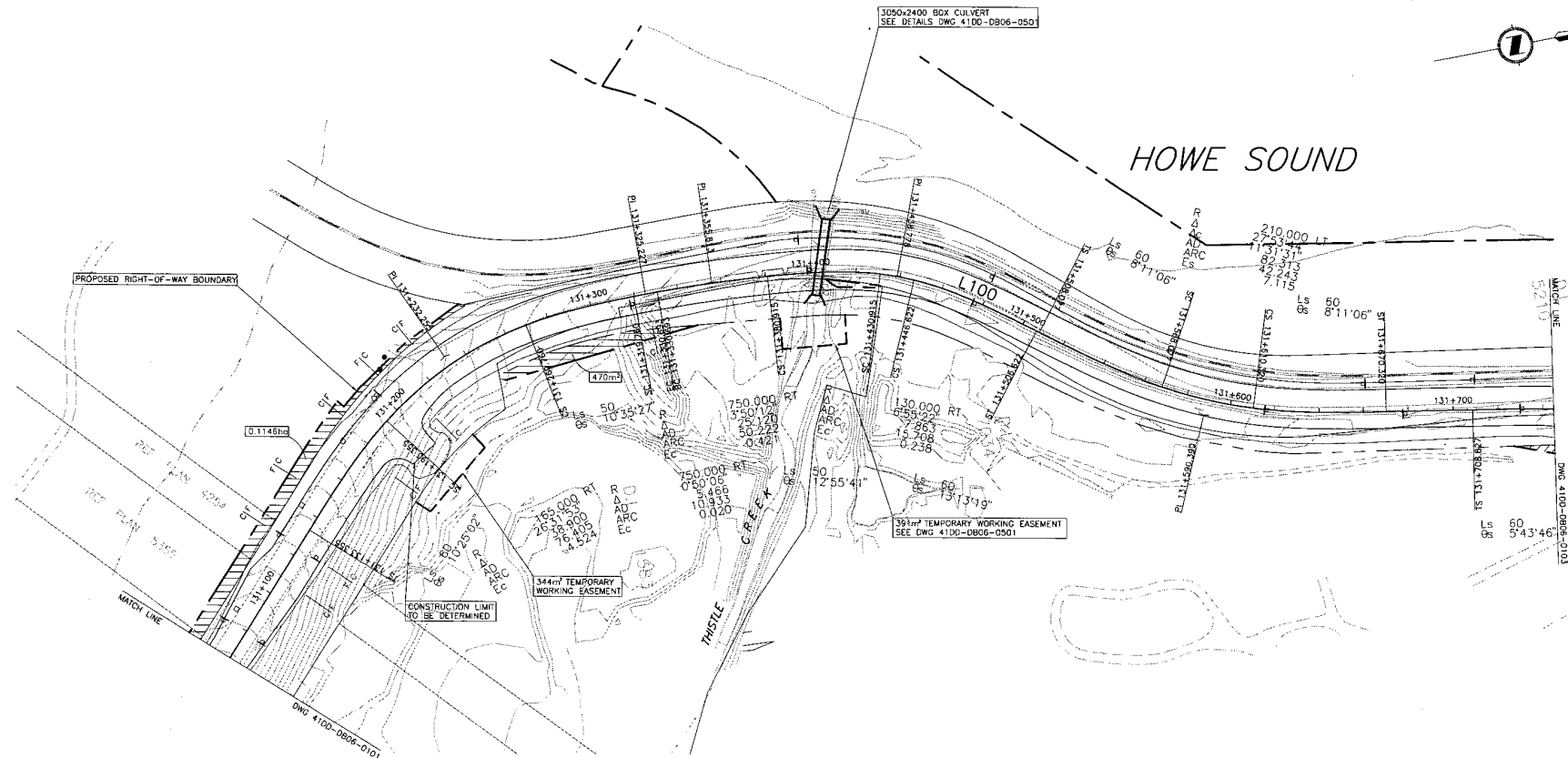
**DB6 - MINATY BAY TO MURRIN PARK
 STA 130+429 TO 131+066**

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

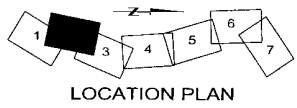
PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 DATE: _____

FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB06-0101|PC

BOOTS: 1/11/25



DESIGN SPEED 60 km/h



S2S TRANSPORTATION GROUP

DESIGNED BY CLINTON DATE 04/11/29
 CHECKED BY SKAPSKI DATE 04/11/29
 DRAWN BY LOPEZ DATE 04/11/29
 APPROVED: _____ DATE _____

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

**DB6 - MINATY BAY TO MURRIN PARK
 STA 131+066 TO 131+745**

DWG. No.	Description

Rev	Date	Description	Signature
FA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
FB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

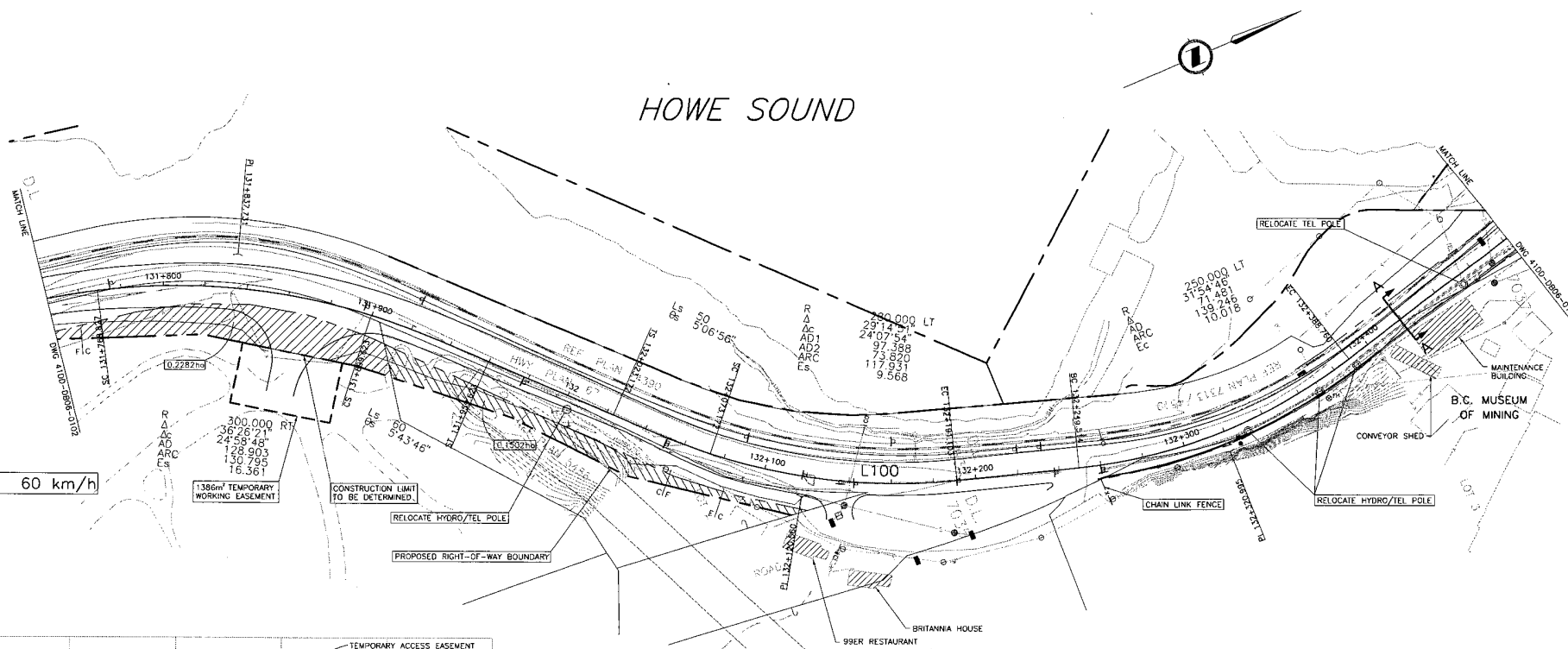
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____
 DRAWING No.: _____

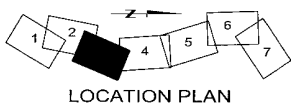
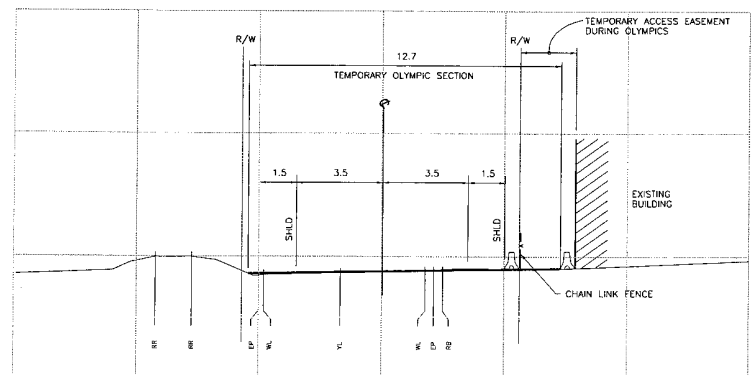
FILE No.: 214753-EN10-C PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 4100-DB06-0102/PC

REFERENCE DRAWINGS REVISIONS

HOWE SOUND



DESIGN SPEED 60 km/h



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED S. CLUNTON DATE 04/11/09
 CHECKED R. SHAFSKI DATE 05/11/09
 DRAWN L. LOPEZ DATE 04/11/09
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
DB6 - MINATY BAY TO MURRIN PARK STA 131+745 TO 132+482

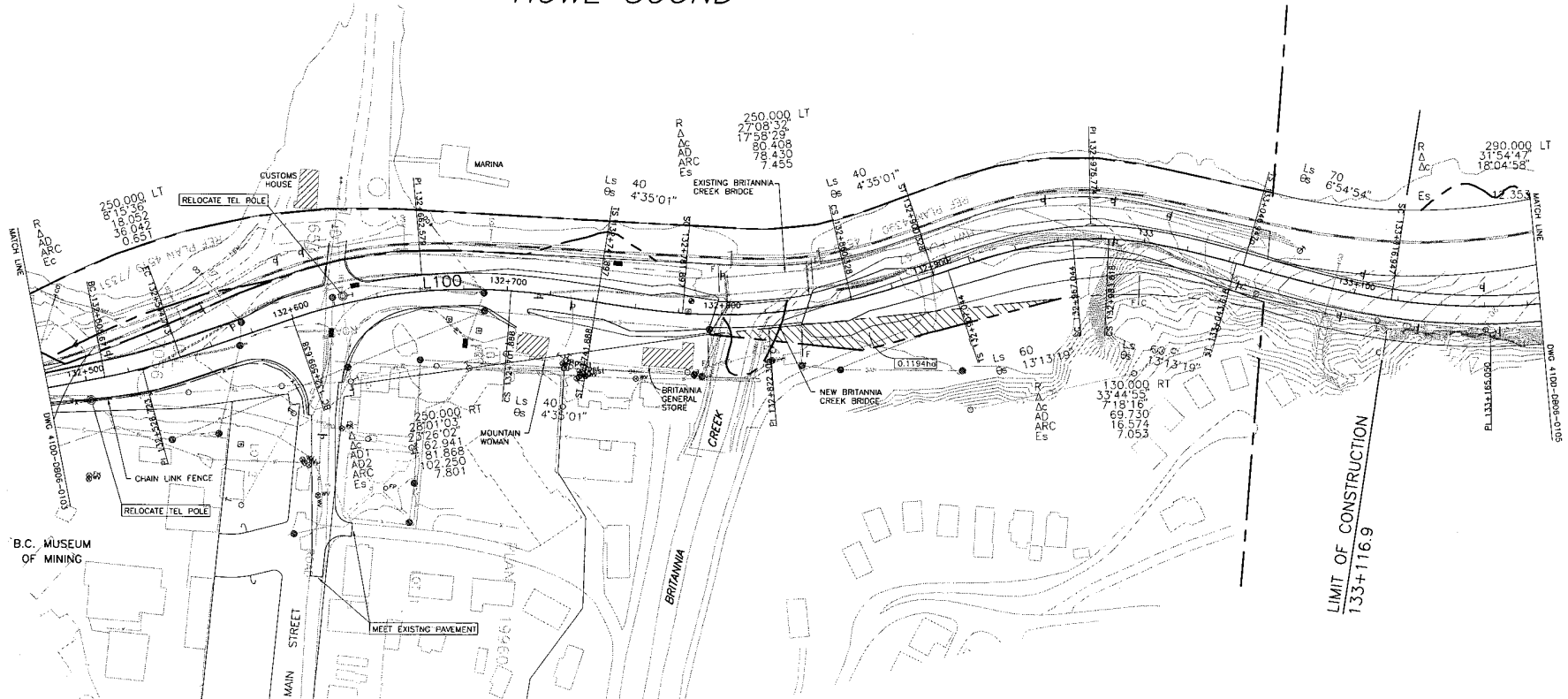
DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/09	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

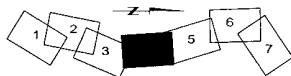
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No: 214753-EN10-C PROJECT No: 09901-ST53 RECDY: 1 DATE: GROWING No: 41DD-DB06-0103 PC

REFERENCE DRAWINGS REVISIONS

HOWE SOUND



DESIGN SPEED 60 km/h



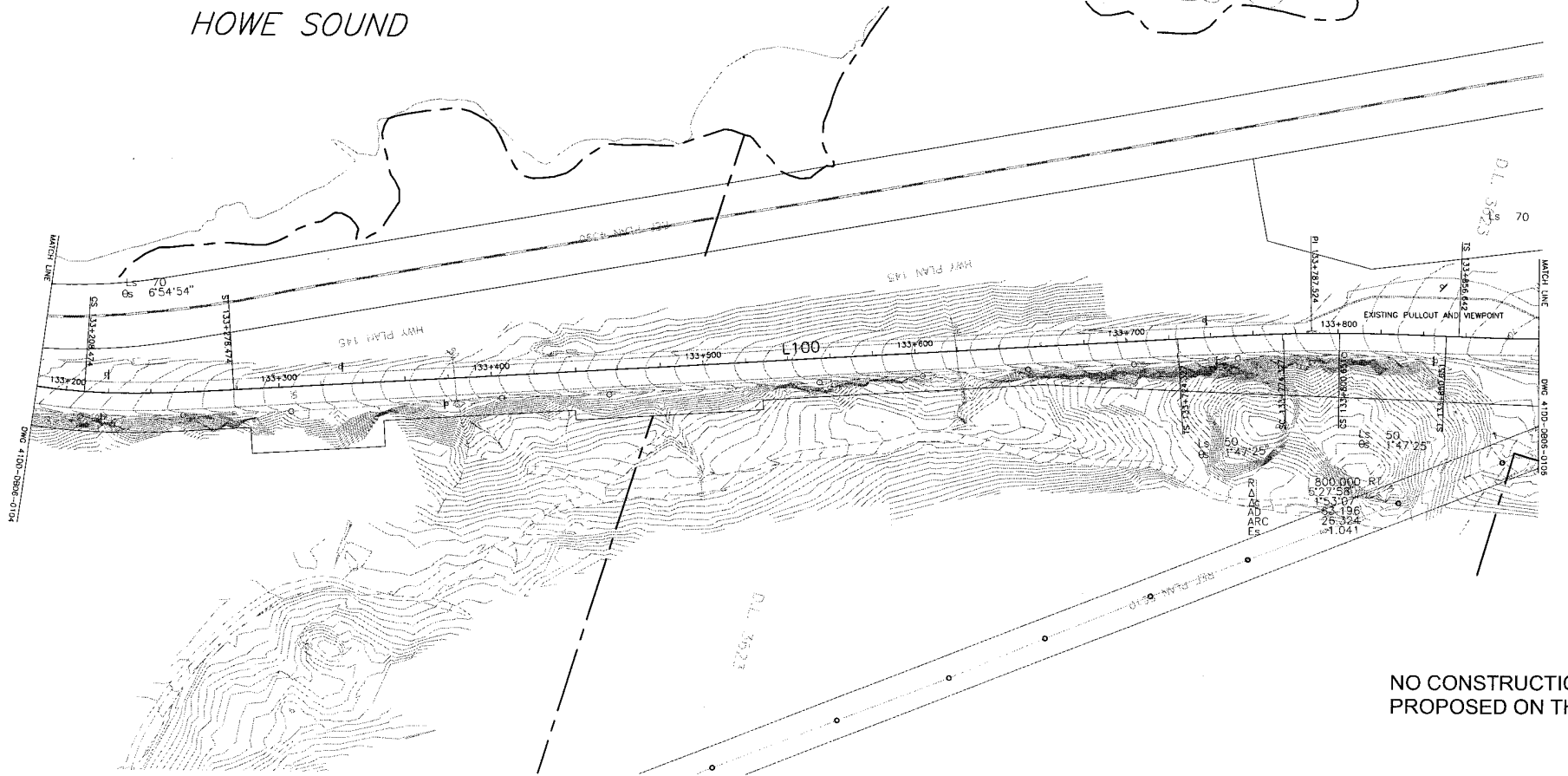
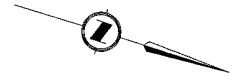
LOCATION PLAN

	DESIGNED S. CLUNTON DATE 04/11/29 CHECKED R. SKAPSKI DATE 04/11/29 DRAWN L. LORIZ DATE 04/11/29 APPROVED: _____ DATE _____		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB6 - MINATY BAY TO MURRIN PARK STA 132+482 TO 133+186																							
	SCALE 0 1:1000 50	PROJECT Managers Hatch Mott MacDonald		Design Consultant InterCAD CONSULTING ENGINEERS																						
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>ISSUED FOR PRICING - 4 LANE OPTION</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PB</td> <td>ISSUED FOR PRICING - 3 LANE OPTION</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PC</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DWG. No.	Description	Rev	Date	Description	Signature	PA	ISSUED FOR PRICING - 4 LANE OPTION					PB	ISSUED FOR PRICING - 3 LANE OPTION					PC	ISSUED FOR PROPOSAL SUBMISSION					PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE: _____ FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB06-0104/PC	
DWG. No.	Description	Rev	Date	Description	Signature																					
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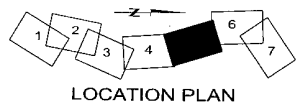
REFERENCE DRAWINGS

REVISIONS

HOWE SOUND



DESIGN SPEED 80 km/h



S2S TRANSPORTATION CONSULTING

DESIGNED BY: CLINTON DATE: 04/11/29
 CHECKED BY: SKAPSKI DATE: 04/11/29
 DRAWN BY: LOPEZ DATE: 04/11/29
 APPROVED: DATE:

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB6 - MINATY BAY TO MURRIN PARK
 STA 133+186 TO 133+895

DWG. No.	Description

No.	Date	Description	Signature
RA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
FB	04/10/16	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

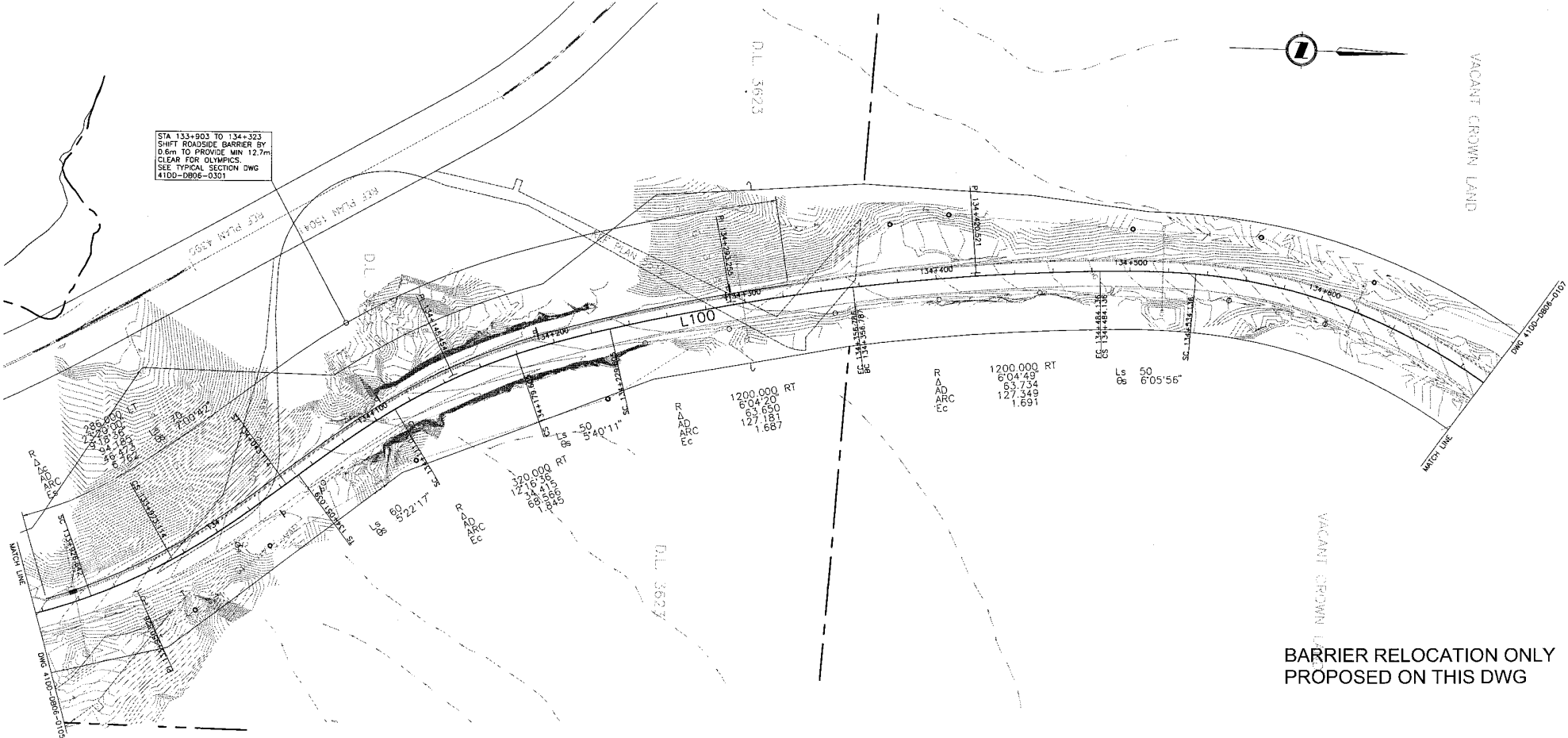
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No.: 214753-EN10-C PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 41DD-DB06-0105/PC

REFERENCE DRAWINGS REVISIONS

STA 133+903 TO 134+323
SHIFT ROADSIDE BARRIER BY
0.6m TO PROVIDE MIN 12.7m
CLEAR FOR OLYMPICS.
SEE TYPICAL SECTION DWG
4100-DB06-0301

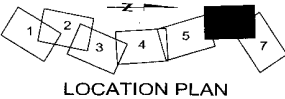


VACANT CROWN LAND



BARRIER RELOCATION ONLY
PROPOSED ON THIS DWG

DESIGN SPEED 80 km/h



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

designed S. CLINTON date 04/11/29
checked S. SKAPSKI date 04/11/29
drawn L. LOPEZ date 04/11/29

APPROVED: _____ DATE _____

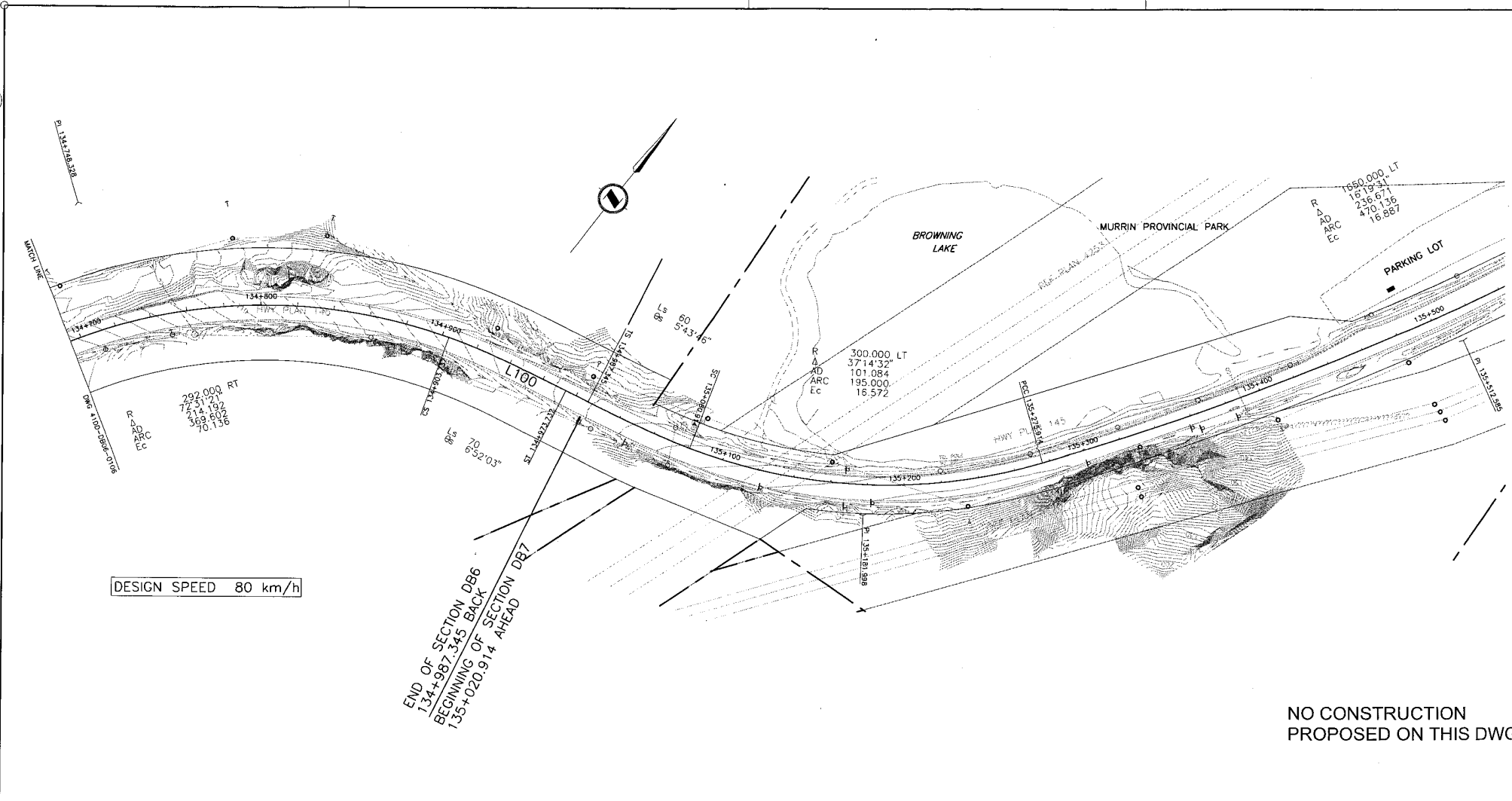
BRITISH COLUMBIA MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
DB6 - MINATY BAY TO MURRIN PARK
STA 133+895 TO 134+694

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **InterCAD CONSULTING ENGINEERS**
PREPARED UNDER THE DIRECTION OF: _____
SENIOR DESIGN ENGINEER: _____
DATE: _____
DRAWING No.: _____

FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DRAWING No.: 4100-DB06-0106 PC

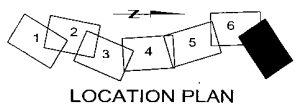
DWG. No.	Description	Rev	Date	Description	Signature
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		FB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS		REVISIONS			



DESIGN SPEED 80 km/h

END OF SECTION DB6
134+987.345 BACK
BEGINNING OF SECTION DB7
135+020.914 AHEAD

NO CONSTRUCTION
PROPOSED ON THIS DWG



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: S. CLINTON DATE 04/11/29
 CHECKED: D. SKAPSKI DATE 04/11/29
 DRAWN: S. LOPEZ DATE 04/11/29
 APPROVED: DATE

BRITISH COLUMBIA MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB6 - MINATY BAY TO MURRIN PARK
 STA 134+694 TO 134+987

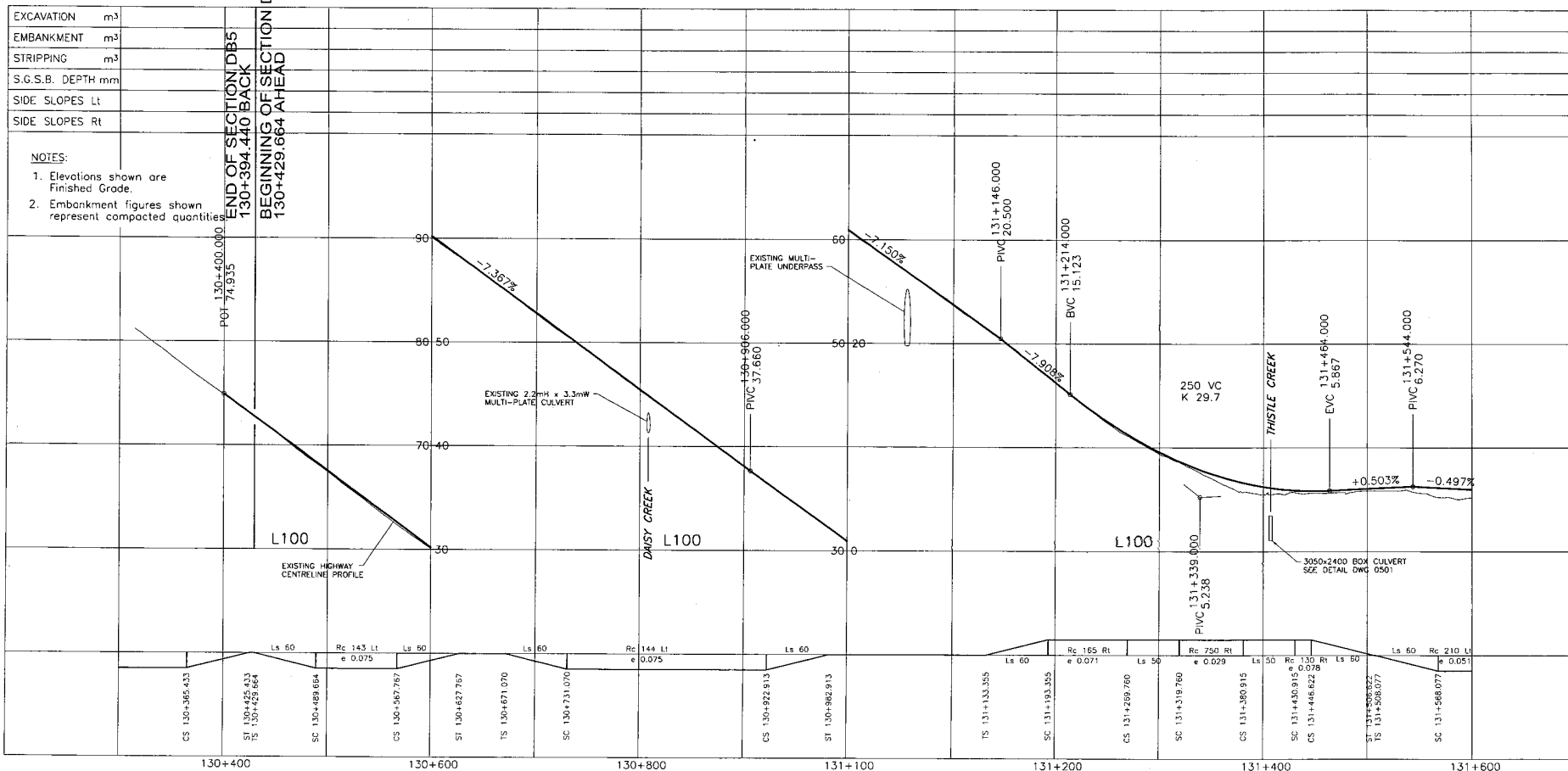
DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/07/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 4100-DB06-0107 PC



DESIGN SPEED 60 km/h

NOTE: SUPERELEVATION ON THIS DWG IS DESIGNED TO MATCH EXISTING

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
S.G.S.B. DEPTH	mm
SIDE SLOPES	Lt
SIDE SLOPES	Rt

END OF SECTION DB5
130+394.440 BACK
BEGINNING OF SECTION DB6
130+429.664 AHEAD

- NOTES:
- Elevations shown are Finished Grade.
 - Embankment figures shown represent compacted quantities

S2S TRANSPORTATION DESIGN

DESIGNED BY: E. CLUNTON DATE: 04/11/29
 CHECKED BY: S. SHAPIRO DATE: 04/11/29
 DRAWN BY: L. LOPEZ DATE: 04/11/29

SCALE: Horiz: 1:2000 Vert: 1:200

APPROVED: DATE: _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB6 - MINATY BAY TO MURRIN PARK STA 130+429 TO 131+600

DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/10	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

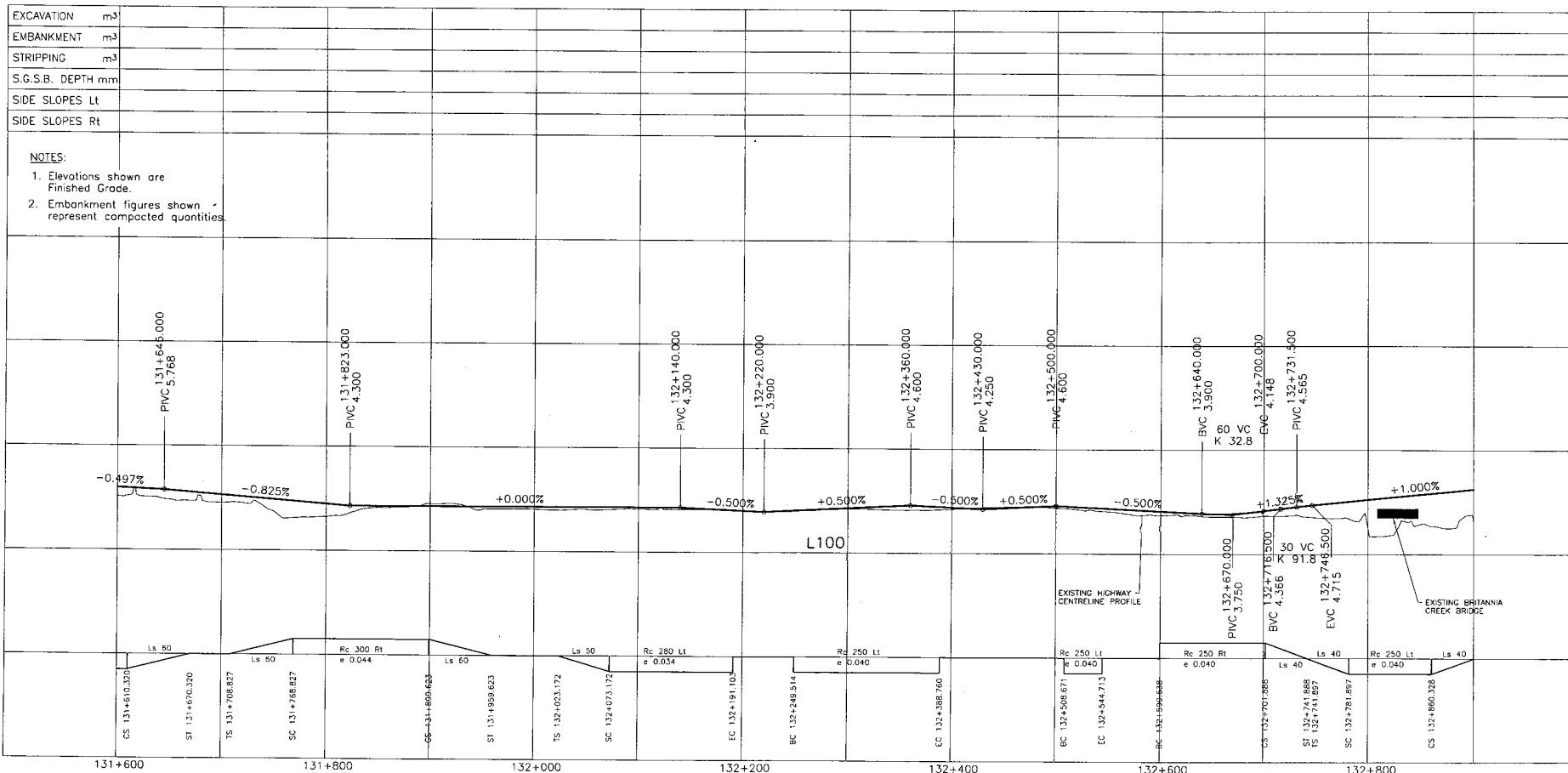
PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DATE: _____ DRAWING No: 41DD-DB06-0201|PC

REFERENCE DRAWINGS

REVISIONS

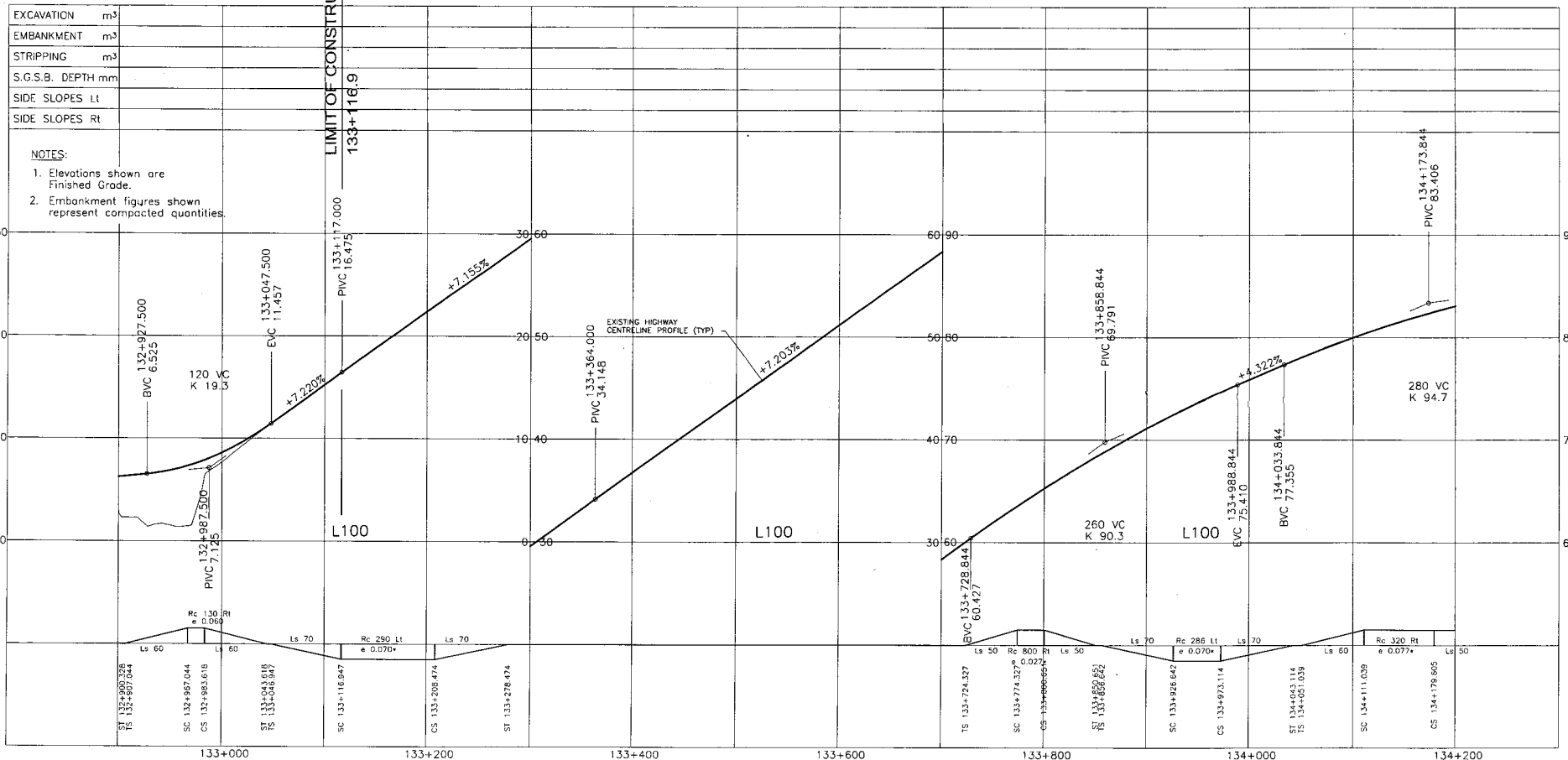
BVC



DESIGN SPEED 60 km/h

NOTE: SUPERELEVATION ON THIS DWG IS DESIGNED TO MATCH EXISTING

 S2S TRANSPORTATION GROUP	MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																																	
DBFO - HORSESHOE BAY TO WHISTLER PROFILE DB6 - MINATY BAY TO MURRIN PARK STA 131+600 TO 132+900																																		
DESIGNED: S. CLINTON DATE: 04/11/29 CHECKED: R. SKAPSKI DATE: 04/11/29 DRAWN: L. LOPEZ DATE: 04/11/29 APPROVED: _____ DATE: _____		PROJECT MANAGERS: _____ DESIGN CONSULTANT: _____ PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER: _____ DATE: _____																																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04/09/09</td> <td>1</td> <td>04/09/09</td> <td>ISSUED FOR PRICING - 4 LANE OPTION</td> <td></td> </tr> <tr> <td>PE</td> <td>04/10/18</td> <td>1</td> <td>04/10/18</td> <td>ISSUED FOR PRICING - 3 LANE OPTION</td> <td></td> </tr> <tr> <td>PC</td> <td>05/01/10</td> <td>1</td> <td>05/01/10</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev.	Date	Description	Signature	PA	04/09/09	1	04/09/09	ISSUED FOR PRICING - 4 LANE OPTION		PE	04/10/18	1	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION		PC	05/01/10	1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>PROJECT No.</td> <td>FILE No.</td> <td>RECORD</td> <td>DRAWING No.</td> </tr> <tr> <td>09901-ST53</td> <td>214753-EN10-C</td> <td>1</td> <td>41DD-DB06-0202/PC</td> </tr> </table>	PROJECT No.	FILE No.	RECORD	DRAWING No.	09901-ST53	214753-EN10-C	1	41DD-DB06-0202/PC
DWG. No.	Description	Rev.	Date	Description	Signature																													
PA	04/09/09	1	04/09/09	ISSUED FOR PRICING - 4 LANE OPTION																														
PE	04/10/18	1	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION																														
PC	05/01/10	1	05/01/10	ISSUED FOR PROPOSAL SUBMISSION																														
PROJECT No.	FILE No.	RECORD	DRAWING No.																															
09901-ST53	214753-EN10-C	1	41DD-DB06-0202/PC																															
REFERENCE DRAWINGS		REVISIONS																																



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
S.G.S.B. DEPTH	mm
SIDE SLOPES	Lt
SIDE SLOPES	Rt

- NOTES:
- Elevations shown are Finished Grade.
 - Embankment figures shown represent compacted quantities.

NOTE: SUPERELEVATION SHOWN REPRESENTS EXISTING CONDITION

DESIGN SPEED 60 km/h STA 132+900.000 TO STA 133+043.618
 DESIGN SPEED 80 km/h STA 133+043.618 TO STA 134+200.000

S2S TRANSPORTATION SERVICES

DESIGNED: S. CLINTON DATE: 04/11/29
 CHECKED: R. SHAFIKI DATE: 04/11/29
 DRAWN: L. LOPEZ DATE: 04/11/29

SCALE: Horiz: 1:2000 Vert: 1:200

APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB6 - MINATY BAY TO MURRIN PARK
 STA 132+900 TO 134+200

DWG. No.	Description	Rev.	Date	Description	Signature
		PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
		PB	04/16/18	ISSUED FOR PRICING - 3 LANE OPTION	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

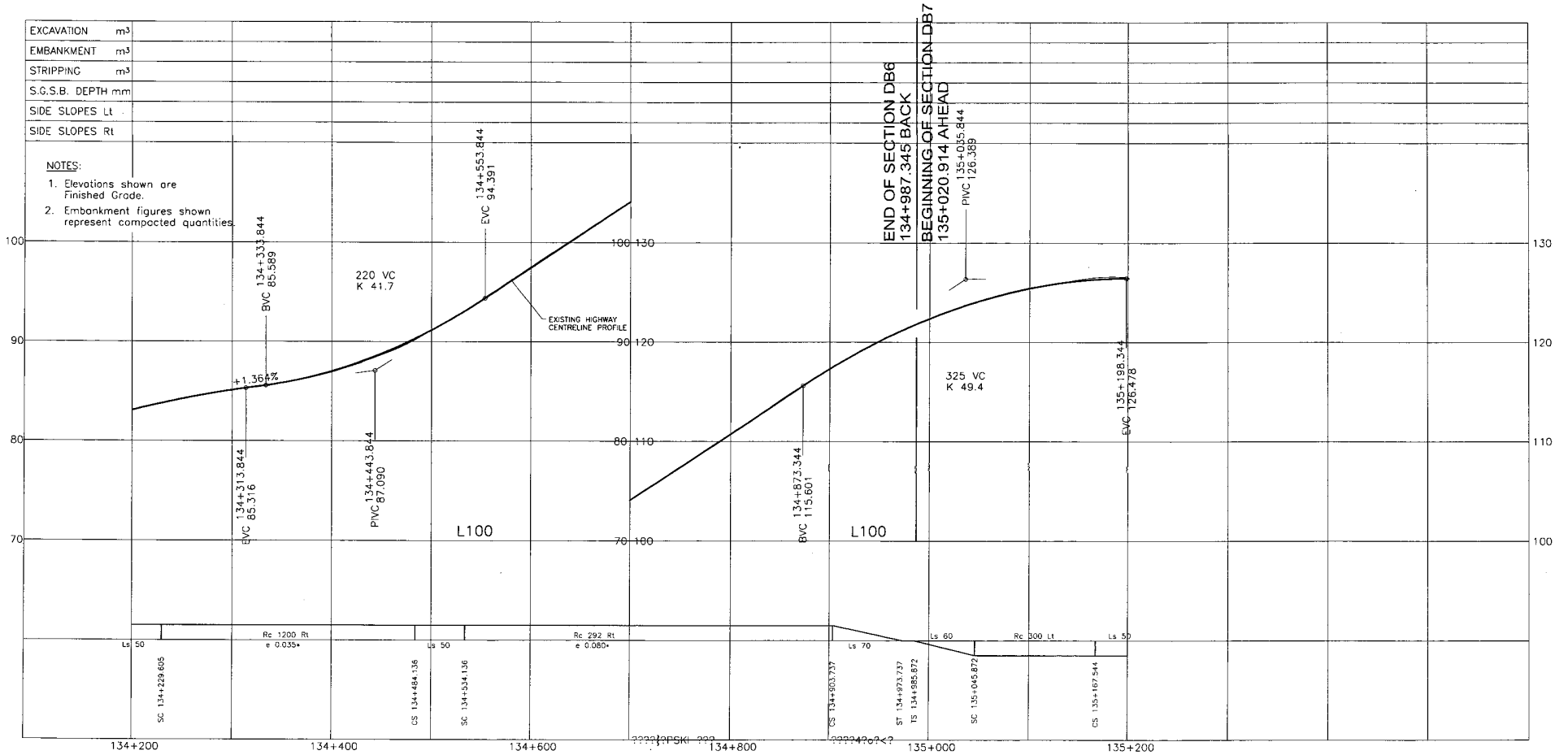
FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DATE: 4/11/29 DRAWING No: 41DD-DB06-0203|PC

REFERENCE DRAWINGS REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
S.G.S.B. DEPTH	mm
SIDE SLOPES	Lt
SIDE SLOPES	Rt

NOTES:

- Elevations shown are Finished Grade.
- Embankment figures shown represent compacted quantities.



DESIGN SPEED 80 km/h

NOTE: * SUPERELEVATION SHOWN REPRESENTS EXISTING CONDITION

NO CONSTRUCTION PROPOSED ON THIS DWG

S2S TRANSPORTATION GROUP

DESIGNER: S. CLINTON, DATE: 04/11/29
 CHECKED: E. SHAPSKI, DATE: 04/11/29
 DRAWN: L. LOREZ, DATE: 04/11/29

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB6 - MINATY BAY TO MURRIN PARK
 STA 134+200 TO 134+987

DWG. No.	Description	Rev.	Date	Description	Signature
PA	04/06/08			ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/16/18			ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/07/10			ISSUED FOR PROPOSAL SUBMISSION	

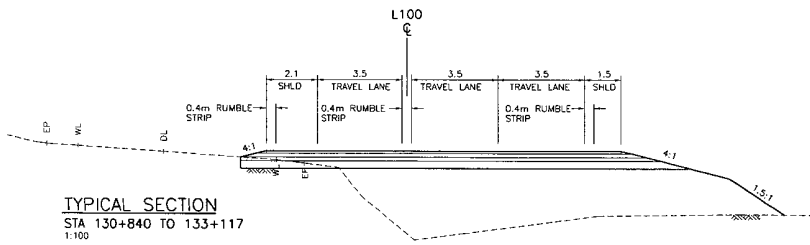
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

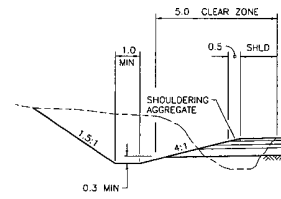
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REFERENCE DRAWINGS REVISIONS

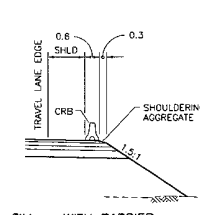
DATE: 04/11/29



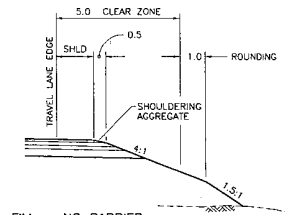
TYPICAL SECTION
STA 130+840 TO 133+117
1:100



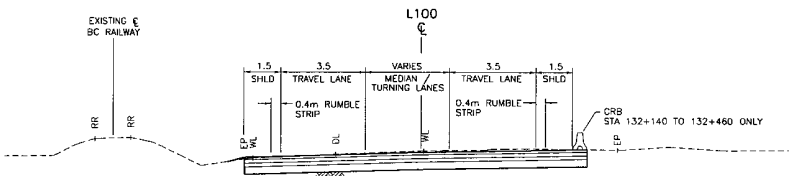
TYPE D CUT - NO BARRIER



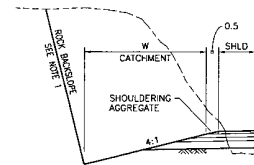
FILL - WITH BARRIER



FILL - NO BARRIER



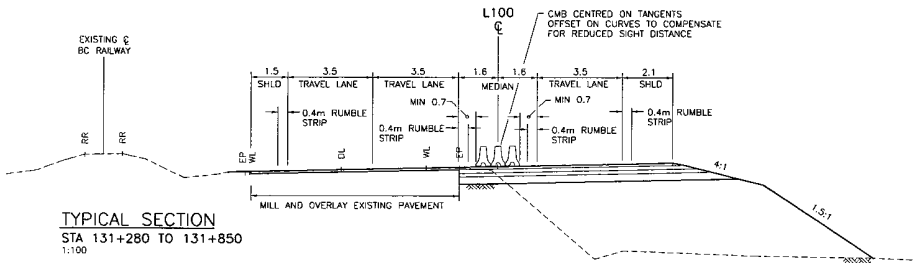
TYPICAL SECTION
STA 131+850 TO 132+800
1:100



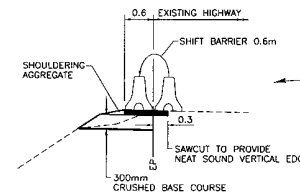
ROCK CUT

ROCK CATCHMENT WIDTH

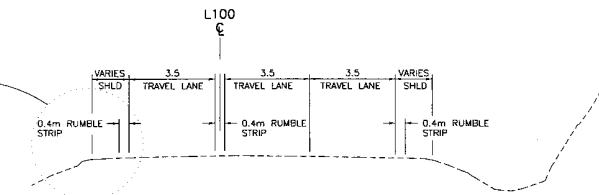
ROCK SLOPE HEIGHT	CATCHMENT WIDTH (W)
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m



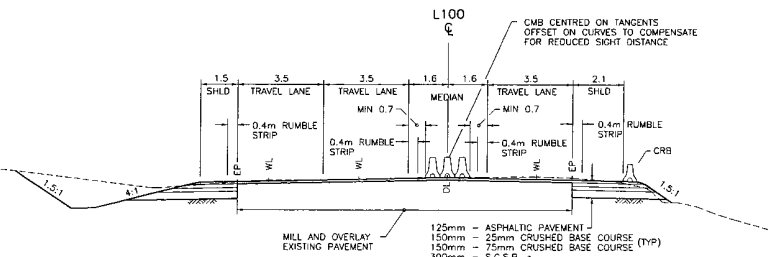
TYPICAL SECTION
STA 131+280 TO 131+850
1:100



BARRIER RELOCATION
STA 133+903 TO 134+323
1:50



TYPICAL SECTION (NO CONSTRUCTION PROPOSED)
STA 133+117 TO 134+987
1:100



TYPICAL SECTION
STA 130+429 TO 131+260
1:100

NOTE:
* USE S.C.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY.
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0:17.1 TO 0:33.1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.



SCALE AS SHOWN

DESIGNED BY	CLINTON	DATE	04/11/29
CHECKED BY	SKAPSKI	DATE	04/11/29
DRAWN BY	LOPEZ	DATE	04/11/29
APPROVED BY		GATE	



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
TYPICAL SECTIONS

DB6 - MINATY BAY TO MURRIN PARK

Project Manager
Hatch Mott MacDonald

Design Consultant
InterCAD CONSULTING ENGINEERS

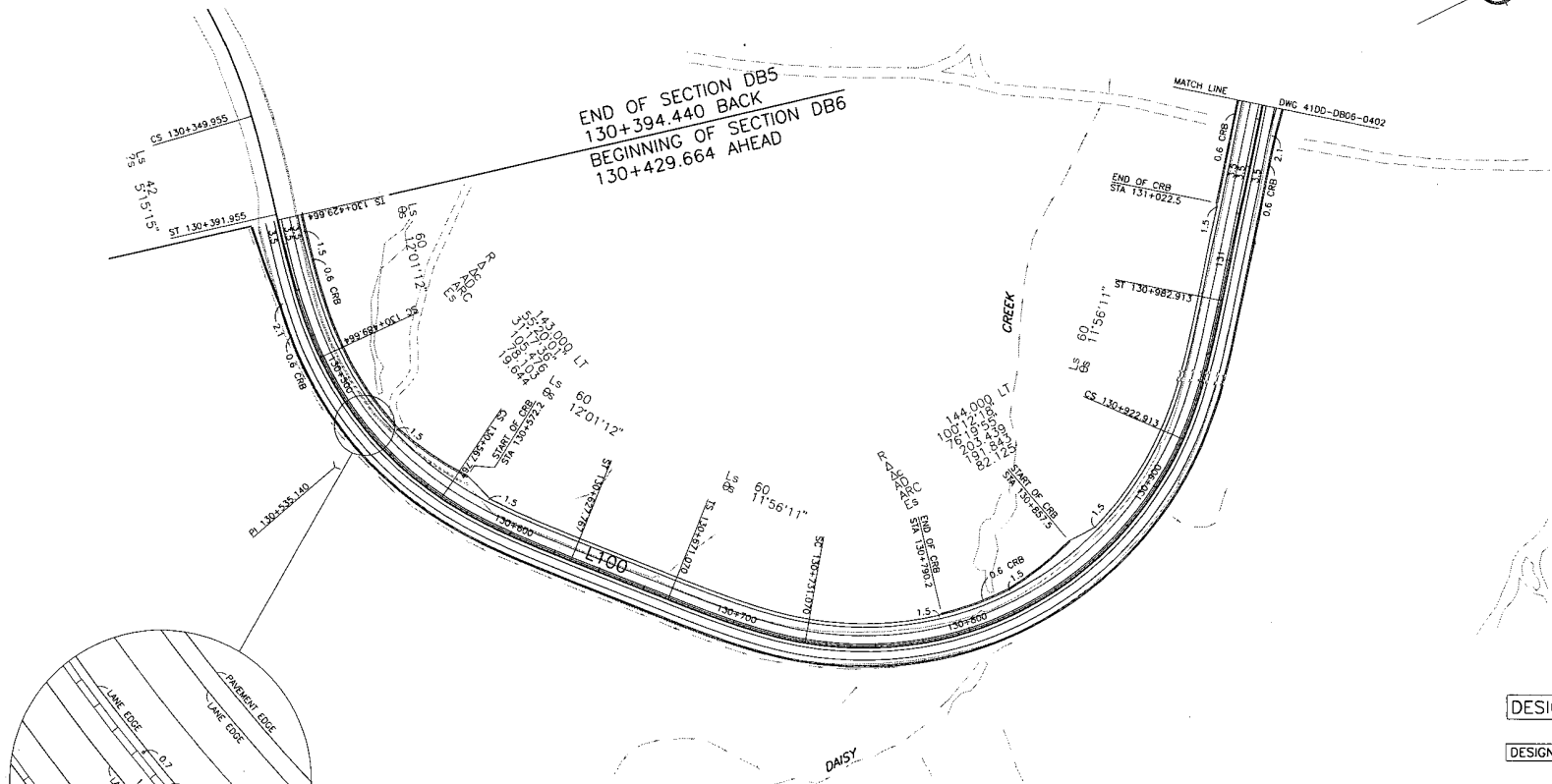
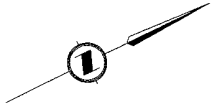
PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB06-0301 PC

DWG. No.	Description	Rev.	Date	Description	Signature
		PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
		PB	04/19/18	ISSUED FOR PRICING - 3 LANE OPTION	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

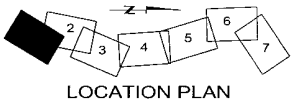
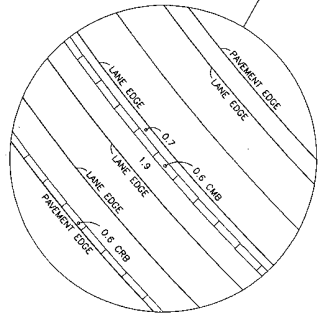
REFERENCE DRAWINGS

REVISIONS



DESIGN SPEED 60 km/h

DESIGN VEHICLE WB-15



S2S TRANSPORTATION CIRCUIT

DESIGNED: S. CLINTON DATE 04/11/29
 CHECKED: B. SHAPSKI DATE 04/11/29
 DRAWN: E. LOPEZ DATE 04/11/29
 APPROVED: DATE

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER'
 GEOMETRICS AND LANING

DB6 - MINATY BAY TO MURRIN PARK
 STA 130+429 TO 131+066

DWG. No.	Description

Rev.	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/16	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

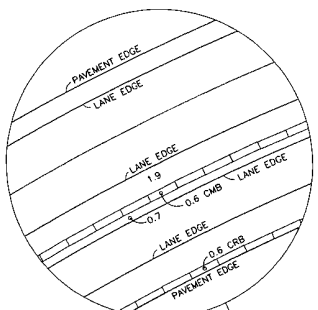
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

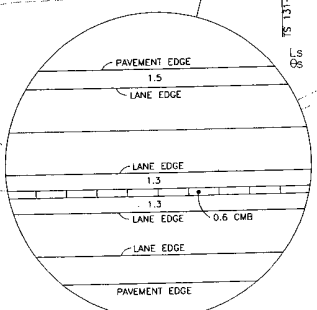
FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DATE 41DD-DB06-0401|PC DRAWING No.

REFERENCE DRAWINGS REVISIONS

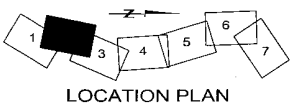
PLANS FILES



HOWE SOUND



DESIGN SPEED 60 km/h
DESIGN VEHICLE WB-15



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 REVISIONS S. CLINTON DATE 04/11/29
 CHECKED R. SKAPSKI DATE 04/11/29
 DRAWN L. LOPEZ DATE 04/11/29
 APPROVED DATE

BRITISH COLUMBIA
 MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANNING
 DB6 - MINATY BAY TO MURRIN PARK
 STA 131+066 TO 131+745

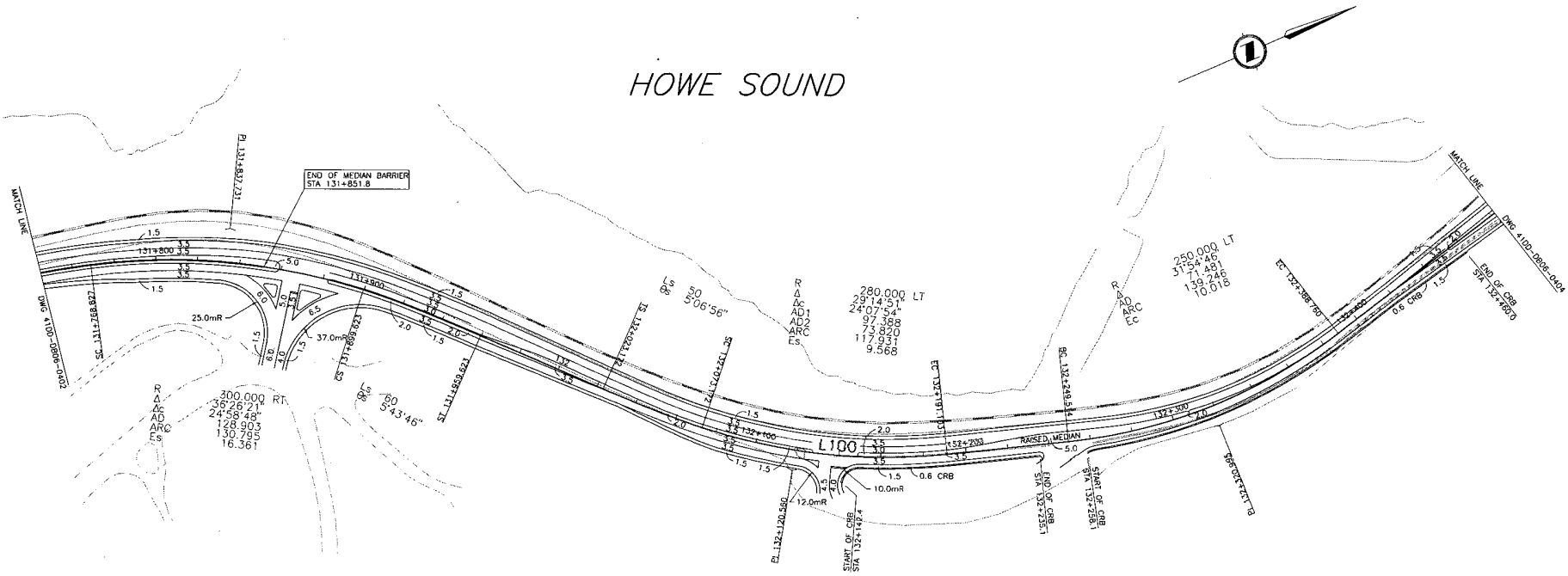
DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No. 214753-EN-10-C PROJECT No. 09901-ST53 REGION 1 DATE 24/11/29 DRAWING No. 410D-DB06-0402|PC

DATE: 24/11/29

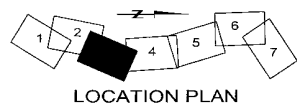
HOWE SOUND



NOTE: SEE DWG 41DD-DB06-0408 FOR LANING CONCEPT DURING THE OLYMPIC PERIOD.

DESIGN SPEED 60 km/h

DESIGN VEHICLE WB-15



DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

S2S TRANSPORTATION GROUP

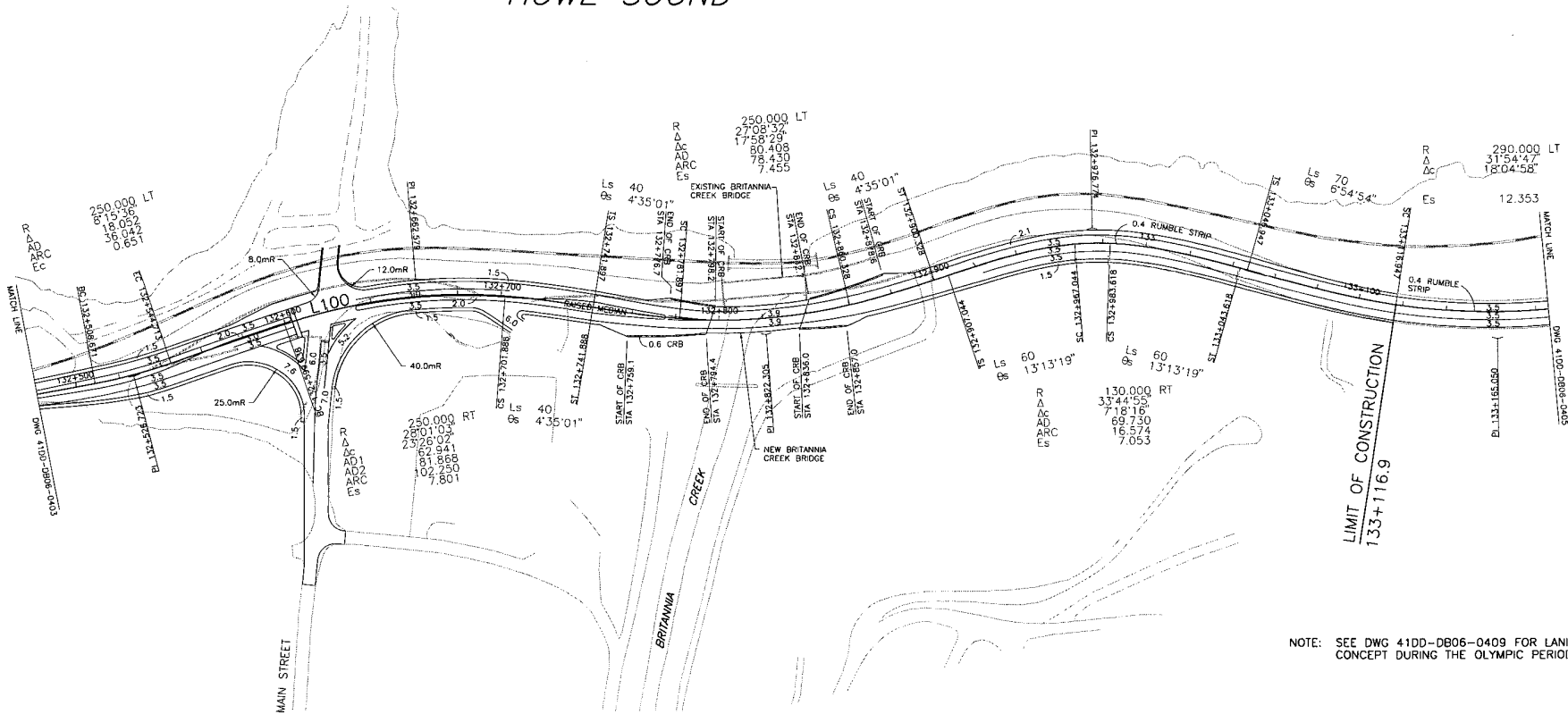
DESIGNED: S. CLUNTON DATE: 04/11/29
 CHECKED: R. SHAPSKI DATE: 04/11/29
 DRAWN: J. LORIEZ DATE: 04/11/29
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DB6 - MINATY BAY TO MURRIN PARK
 STA 131+745 TO 132+482

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**
 PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____
 DRAWING No: _____
 FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB06-0403/PC

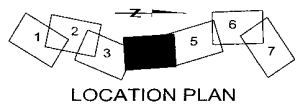
HOWE SOUND



NOTE: SEE DWG 41DD-DB06-0409 FOR LANING CONCEPT DURING THE OLYMPIC PERIOD

DESIGN SPEED 60 km/h

DESIGN VEHICLE WB-15



S2S TRANSPORTATION GROUP

DESIGNED BY: CLINTON DATE: 04/11/09
 CHECKED BY: SKAPSKI DATE: 04/11/09
 DRAWN BY: LOPEZ DATE: 04/11/09
 APPROVED: DATE:

SCALE 0 1:1000 30

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING
 DB6 - MINATY BAY TO MURRIN PARK STA 132+482 TO 133+186

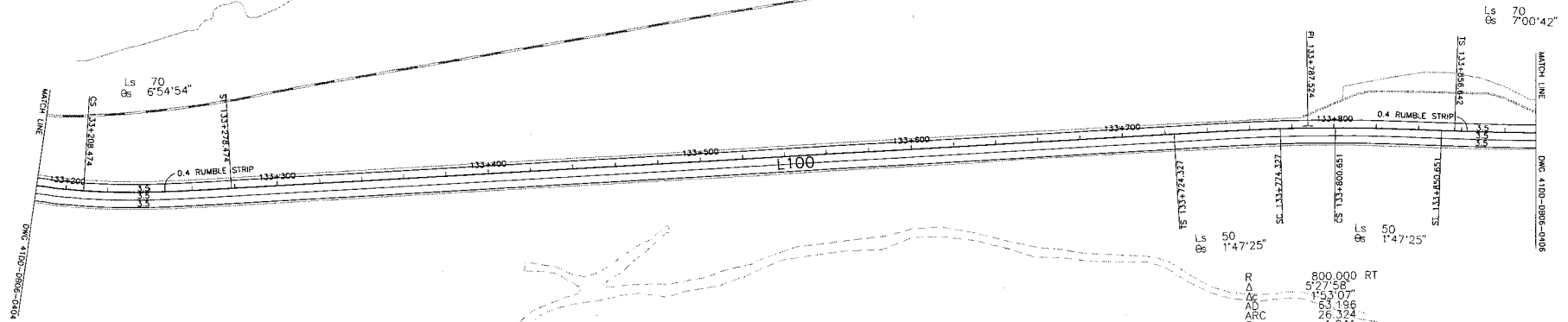
DWG. No.	Description

Rev.	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/10	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No: 214753-EN10-C PROJECT No: 09901-ST53 REGION: 1 DATE: DRAWING No: 41DD-DB06-0404-PC

REFERENCE DRAWINGS REVISIONS

HOWE SOUND



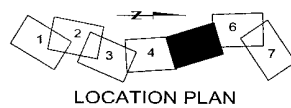
R
Δ
AD
ARC
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800,000 RT
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1.041

**NO CONSTRUCTION
PROPOSED ON THIS DWG**

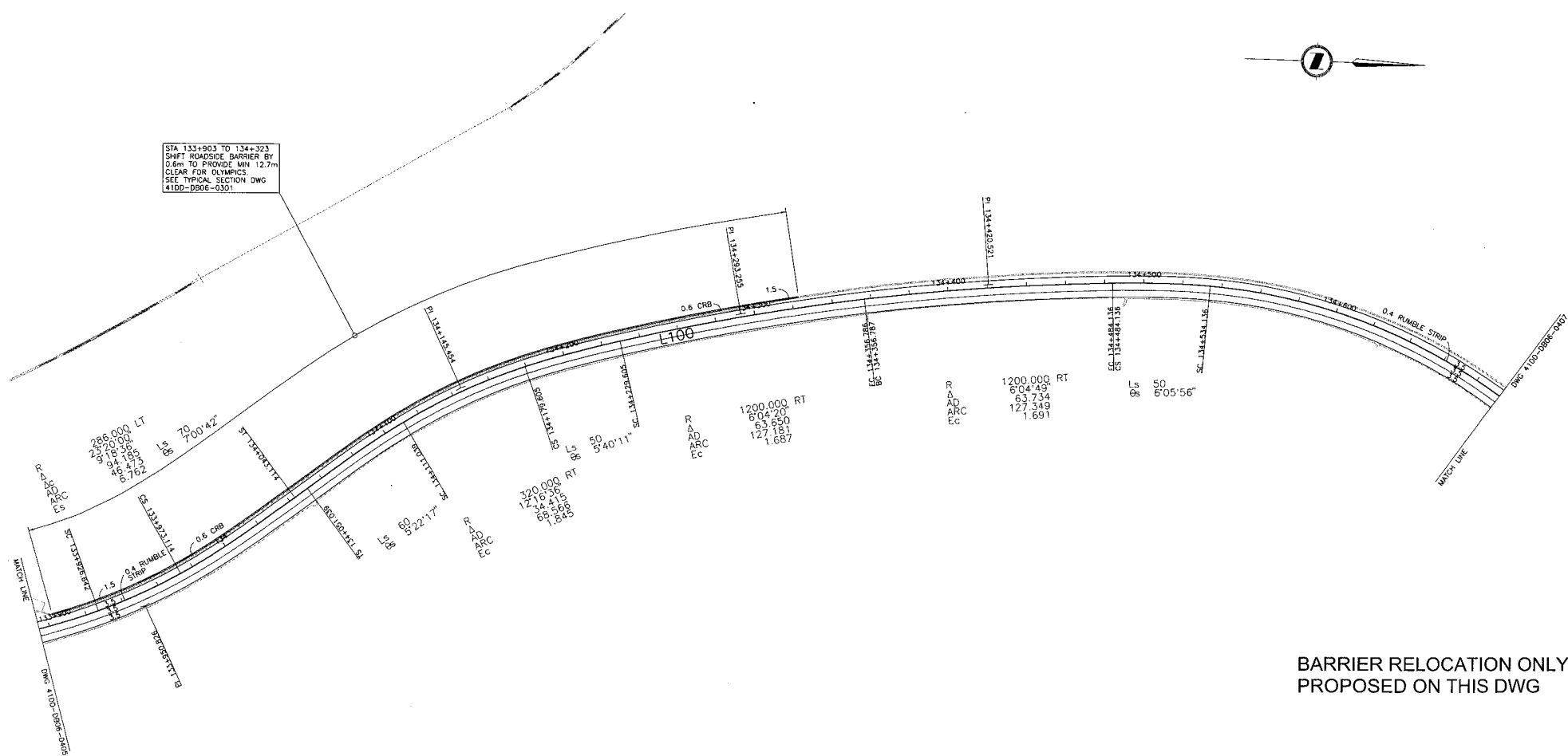
DESIGN SPEED 80 km/h

DESIGN VEHICLE WB-15



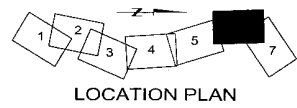
DESIGNED: S. CLUNTON DATE 04/11/29 CHECKED: R. SKAPSKI DATE 04/11/29 DRAWN: L. LOREZ DATE 04/11/29 APPROVED: _____ DATE _____		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING	
DWG. No. _____ Description _____ REFERENCE DRAWINGS		DB6 - MINATY BAY TO MURRIN PARK STA 133+186 TO 133+895	
REVISIONS		PROJECT MANAGERS: Hatch Mott MacDonald, InterCAD DESIGN CONSULTANT: InterCAD PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER: _____ DATE: _____ FILE No.: 214753-EN10-C PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 41DD-DB06-0405 PC	

STA 133+903 TO 134+323
 SHFT ROADSIDE BARRIER BY
 0.6m TO PROVIDE MIN 12.7m
 CLEAR FOR OLYMPICS
 SEE TYPICAL SECTION DWG
 41DD-DB06-0301



DESIGN SPEED 80 km/h

DESIGN VEHICLE WB-15



**BARRIER RELOCATION ONLY
 PROPOSED ON THIS DWG**

S2S
 TRANSPORTATION GROUP

DESIGNED: S. CLINTON DATE 04/11/29
 CHECKED: B. SKAPSKI DATE 04/11/29
 DRAWN: S. LOPEZ DATE 04/11/29

SCALE 0 1:1000 50

APPROVED: _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB6 - MINATY BAY TO MURRIN PARK
 STA 133+895 TO 134+694

DWG. No.	Description

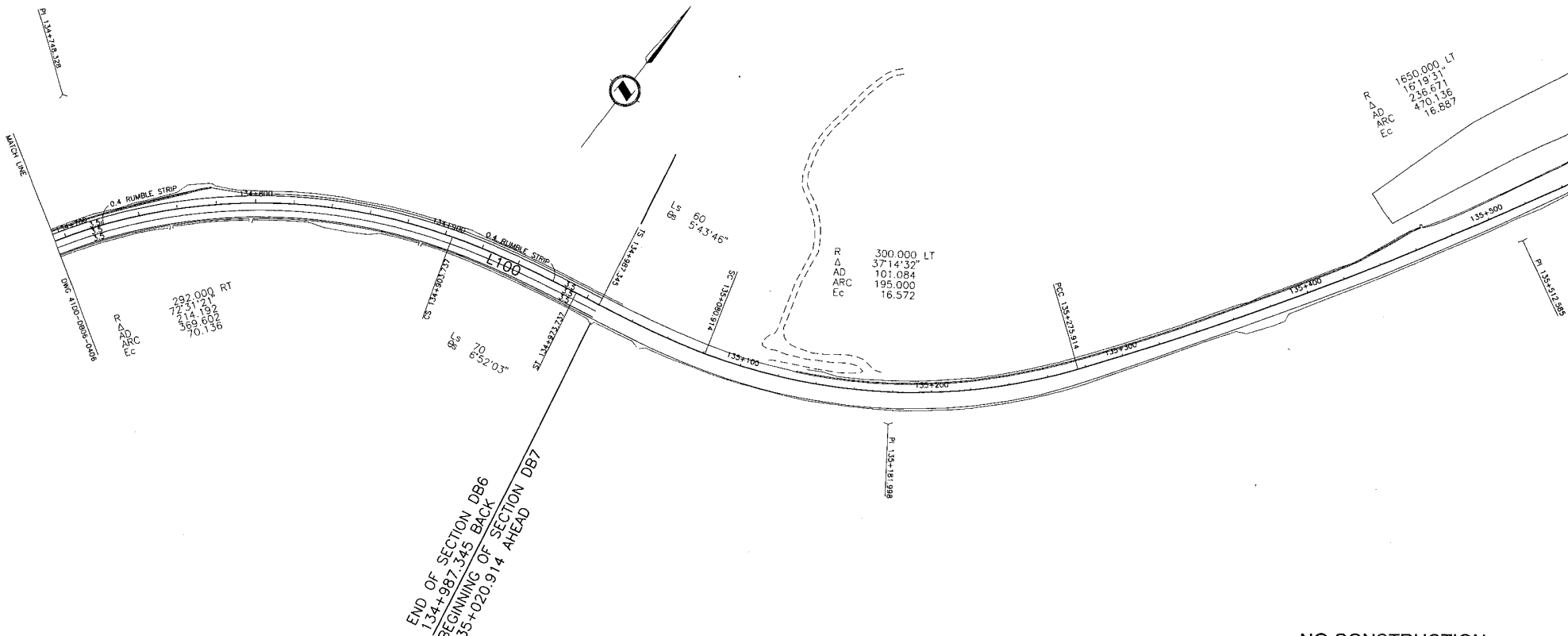
Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB06-0406/PC

REFERENCE DRAWINGS REVISIONS

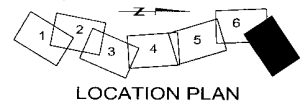


END OF SECTION DB6
134+987.345 BACK
BEGINNING OF SECTION DB7
135+020.914 AHEAD

NO CONSTRUCTION
PROPOSED ON THIS DWG

DESIGN SPEED 80 km/h

DESIGN VEHICLE WB-15



S2S TRANSPORTATION GROUP

DESIGNED S. CLINTON DATE 04/11/29
 CHECKED R. SKAPSKI DATE 04/11/29
 DRAWN S. LOPEZ DATE 04/11/29
 APPROVED DATE

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB6 - MINUTY BAY TO MURRIN PARK
 STA 134+694 TO 134+987

DWG. No.	Description

Rev.	Date	Description	Signature
PA	04/06/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

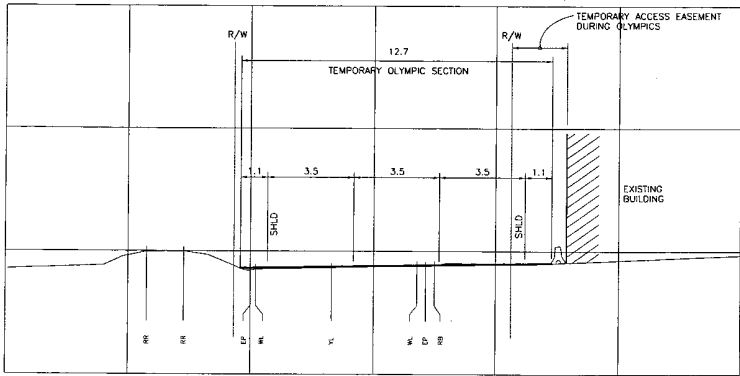
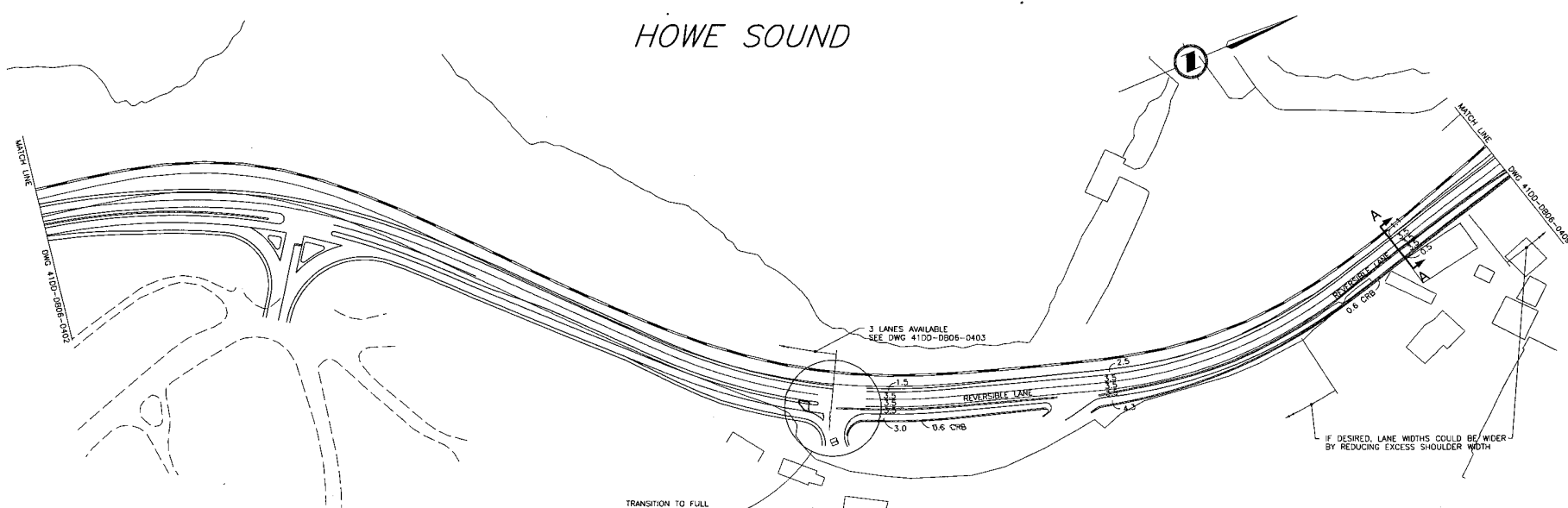
FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB06-0407 PC

REFERENCE DRAWINGS

REVISIONS

DWG. FILE

HOWE SOUND



NOTE: ACTUAL LANE LINE MARKINGS TO BE DETERMINED

SECTION A

1:100

S2S TRANSPORTATION GROUP

DESIGNED BY: S. CLINTON DATE: 04/11/29
 CHECKED BY: R. SKARSKI DATE: 04/11/29
 DRAWN BY: L. LOPEZ DATE: 04/11/29
 APPROVED: _____ DATE: _____

SCALE: 0 1:1000 50

BRITISH COLUMBIA MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 LANING CONCEPT DURING OLYMPIC PERIOD

DB6 - MINATY BAY TO MURRIN PARK
 STA 131+745 TO 132+482

DWG. No.	Description

Rev	Date	Description	Signature
PA	04/09/08	ISSUED FOR PRICING - 4 LANE OPTION	
PB	04/10/18	ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/04/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 DATE: _____

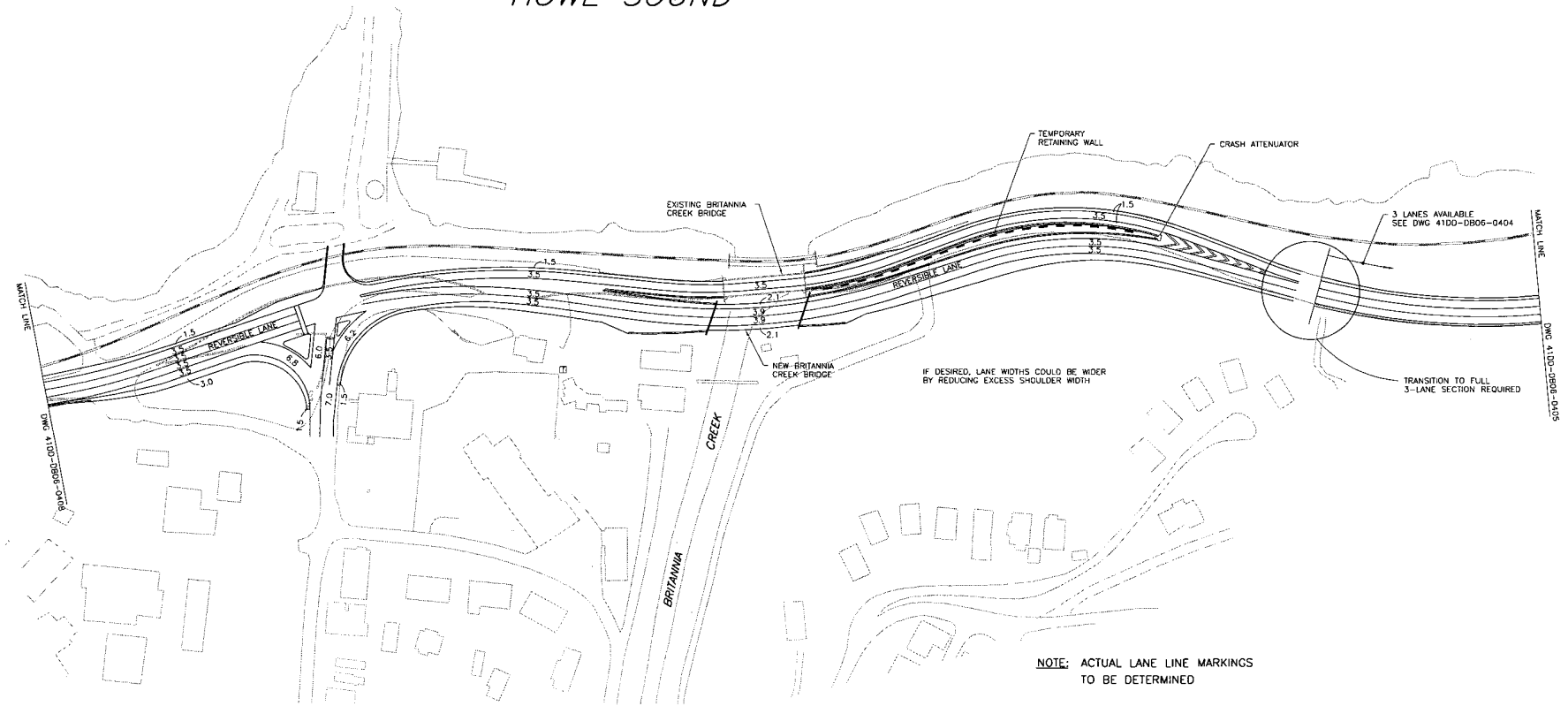
FILE No. 214753-EN10-C PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-0806-0408/PC

REFERENCE DRAWINGS

REVISIONS

REVISED

HOWE SOUND



NOTE: ACTUAL LANE LINE MARKINGS TO BE DETERMINED

S2S TRANSPORTATION GROUP

DESIGNED BY: S. CLINTON DATE: 04/11/29
 CHECKED BY: S. SKAFSKI DATE: 04/11/29
 DRAWN BY: S. LOPEZ DATE: 04/11/29
 APPROVED: _____ DATE: _____

SCALE: 0 1:1000 30

BRITISH COLUMBIA MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 LANING CONCEPT DURING OLYMPIC PERIOD
 DB6 - MINATY BAY TO MURRIN PARK
 STA 132+482 TO 133+186

DWG. No.	Description

REFERENCE DRAWINGS

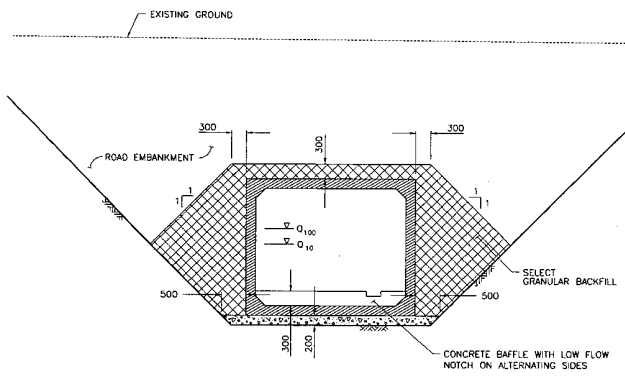
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REVISIONS

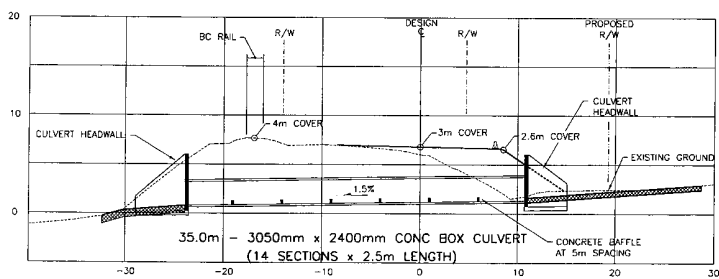
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 Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

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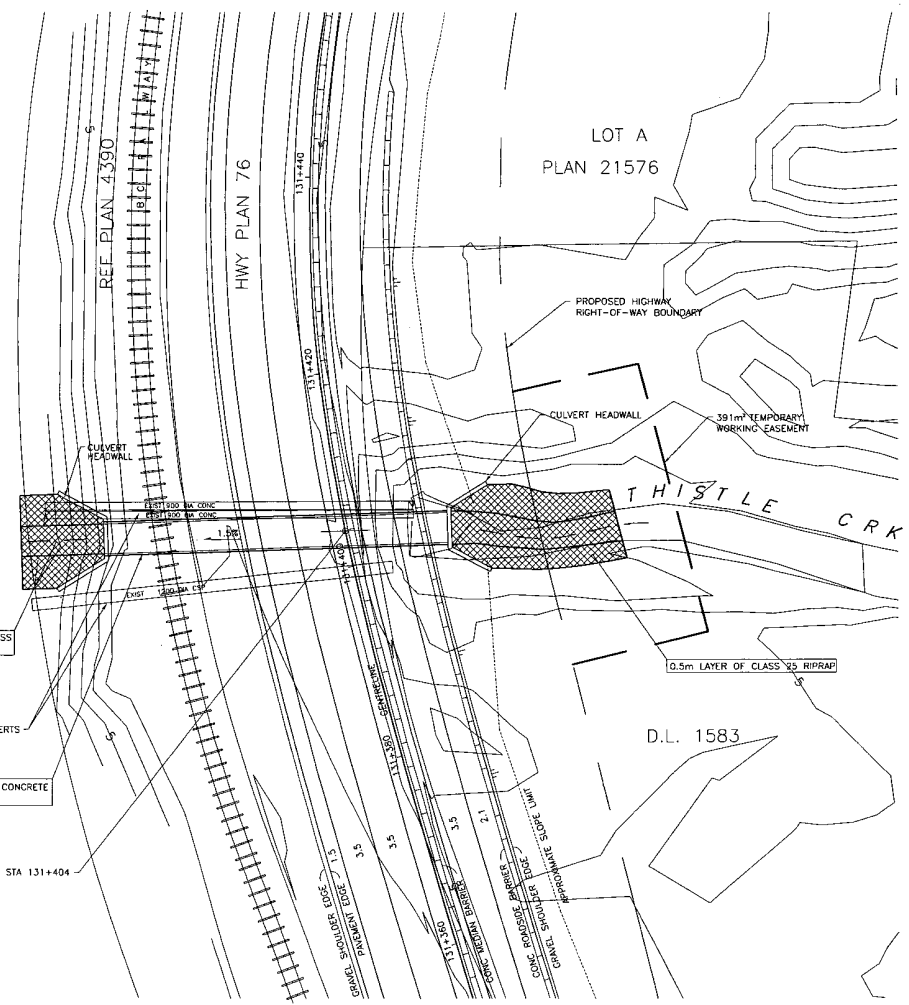


BOX CULVERT INSTALLATION DETAIL
1:50



SECTION ALONG CULVERT
1:250

HOWE SOUND



PLAN
1:250

S2S TRANSPORTATION GROUP

DESIGNED: S. CLINTON DATE: 04/11/29
 CHECKED: R. SKARSKI DATE: 04/11/29
 DRAWN: L. LOPEZ DATE: 04/11/29
 APPROVED: _____ DATE: _____

SCALE: AS SHOWN

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 THISTLE CREEK CULVERT REPLACEMENT

DB6 - MINATY BAY TO MURRIN PARK
 STA 131+404

DWG. No.	Description	Rev.	Date	Description	Signature
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PB	04/10/18			ISSUED FOR PRICING - 3 LANE OPTION	
PC	05/01/10			ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **InterCAD CONSULTING ENGINEERS**

PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

FILE No. 214753-EN10-C
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB06-0501/PC

REFERENCE DRAWINGS REVISIONS



MINISTRY OF TRANSPORTATION

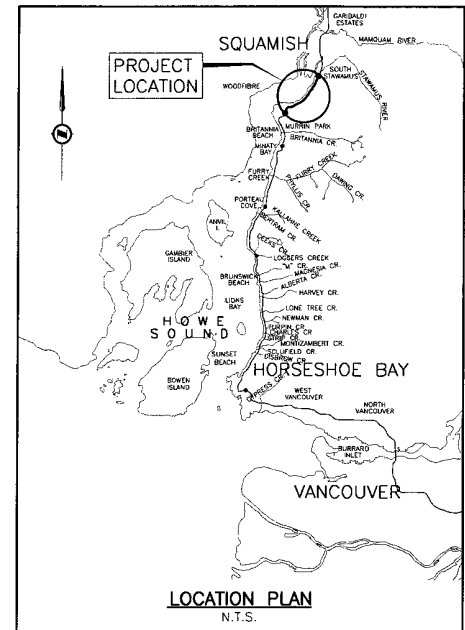
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Section DB7

Murrin Park to South Stawamus

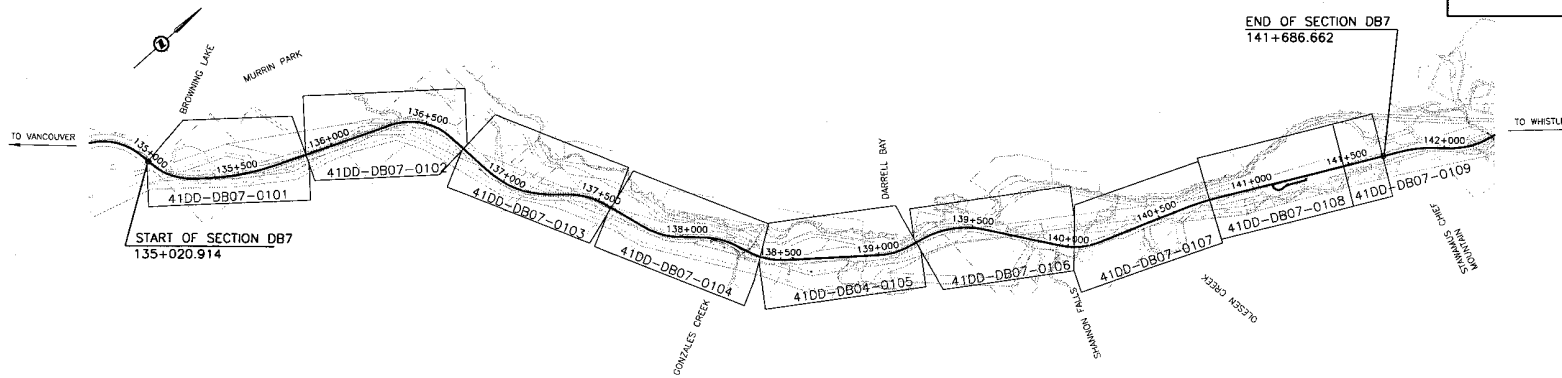
STA. 135+020.914 TO STA. 141+686.662

6.66 km



DRAWING INDEX

41DD-DB07-0001	PC	KEY MAP & TITLE		
41DD-DB07-0002	PC	SUPPLEMENTARY LEGEND		
41DD-DB07-0101	PC	PLAN	STA 135+020.914 TO STA 135+860.000	
41DD-DB07-0102	PC	PLAN	STA 135+860.000 TO STA 136+740.000	
41DD-DB07-0103	PC	PLAN	STA 136+740.000 TO STA 137+580.000	
41DD-DB07-0104	PC	PLAN	STA 137+580.000 TO STA 138+400.000	
41DD-DB07-0105	PC	PLAN	STA 138+400.000 TO STA 139+210.000	
41DD-DB07-0106	PC	PLAN	STA 139+210.000 TO STA 140+040.000	
41DD-DB07-0107	PC	PLAN	STA 140+040.000 TO STA 140+780.000	
41DD-DB07-0108	PC	PLAN	STA 140+780.000 TO STA 141+480.000	
41DD-DB07-0109	PC	PLAN	STA 140+480.000 TO STA 141+686.662	
41DD-DB07-0201	PC	PROFILE	STA 135+020.914 TO STA 136+450.000	
41DD-DB07-0202	PC	PROFILE	STA 136+450.000 TO STA 137+400.000	
41DD-DB07-0203	PC	PROFILE	STA 137+400.000 TO STA 138+900.000	
41DD-DB07-0204	PC	PROFILE	STA 138+900.000 TO STA 140+500.000	
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41DD-DB07-0206	PC	PROFILE L-7139	STA 7139+215.179 TO STA 7140+400.000	
41DD-DB07-0207	PC	PROFILE L-7139	STA 7140+400.000 TO STA 7140+871.946	
41DD-DB07-0208	PC	PROFILE L-720, L-750 & L-770		
41DD-DB07-0301	PC	TYPICAL SECTIONS		
41DD-DB07-0302	PC	TYPICAL SECTIONS		
41DD-DB07-0401	PC	GEOMETRICS AND LANDING	STA 135+020.914 TO STA 135+860.000	
41DD-DB07-0402	PC	GEOMETRICS AND LANDING	STA 135+860.000 TO STA 136+740.000	
41DD-DB07-0403	PC	GEOMETRICS AND LANDING	STA 136+740.000 TO STA 137+580.000	
41DD-DB07-0404	PC	GEOMETRICS AND LANDING	STA 137+580.000 TO STA 138+400.000	
41DD-DB07-0405	PC	GEOMETRICS AND LANDING	STA 138+400.000 TO STA 139+210.000	
41DD-DB07-0406	PC	GEOMETRICS AND LANDING	STA 139+210.000 TO STA 140+040.000	
41DD-DB07-0407	PC	GEOMETRICS AND LANDING	STA 140+040.000 TO STA 140+780.000	
41DD-DB07-0408	PC	GEOMETRICS AND LANDING	STA 140+780.000 TO STA 141+480.000	
41DD-DB07-0409	PC	GEOMETRICS AND LANDING	STA 140+480.000 TO STA 141+686.662	



KEY PLAN
0 1:12,500 500

DESIGNED J. SLOAN DATE JUL 04		MINISTRY OF TRANSPORTATION	
CHECKED S. TAIR DATE NOV 04		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DRAWN R. JANEY DATE SEP 04		DBFO - HORSESHOE BAY TO WHISTLER	
APPROVED DATE		KEY MAP & TITLE	
SCALE		DB7 - MURRIN PARK TO SOUTH STAWAMUS	
Rev	Date	Description	Signature
PB	04/11/24	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers		Design Consultant	
PREPARED UNDER THE DIRECTION OF		SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-H	09901-ST53	1	41DD-DB07-0001 PC

DWG. No.	Description

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER


SUPPLEMENTARY LEGEND









PROPOSED

UTILITY RELOCATION

Pole Relocation 

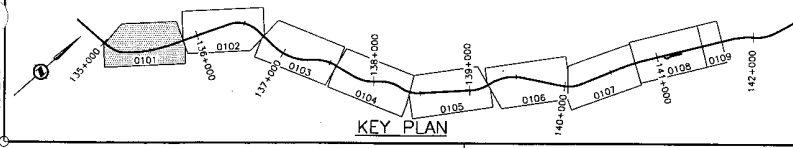
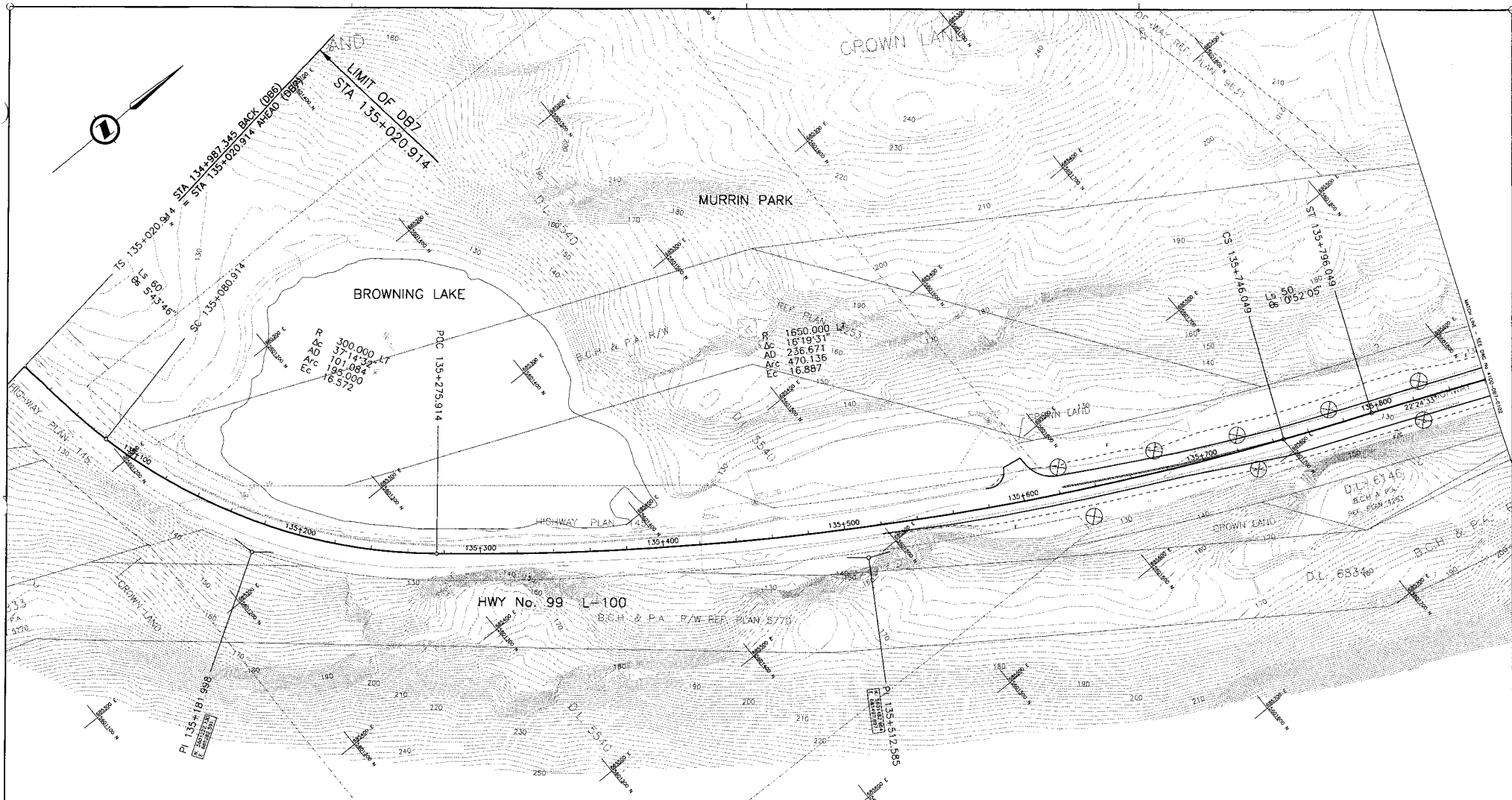
CONSTRUCTION DETAILS LINETYPES

Retaining Wall Number 

				MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																																									
SCALE _____		DESIGNED <u>J. SLOAN</u> DATE <u>JUL 04</u> CHECKED <u>S. TARR</u> DATE <u>NOV 04</u> DRAWN <u>P. JIVELY</u> DATE <u>SEP 04</u> APPROVED _____ DATE _____		DBFO - HORSESHOE BAY TO WHISTLER SUPPLEMENTARY LEGEND DB7 - MURRIN PARK TO SOUTH STAWAMUS																																									
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td></td> <td></td> <td></td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td>PB</td> <td>04/11/20</td> <td></td> <td></td> <td>RE-ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td>PC</td> <td>05/01/10</td> <td></td> <td></td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature	PA				ISSUED FOR REVIEW		PB	04/11/20			RE-ISSUED FOR REVIEW		PC	05/01/10			ISSUED FOR PROPOSAL SUBMISSION		<table border="1"> <tr> <td colspan="2"> Project Managers  </td> <td colspan="2"> Design Consultant  </td> <td colspan="2"> PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER </td> </tr> <tr> <td>FILE No.</td> <td>PROJECT No.</td> <td>REGION</td> <td>DATE</td> <td>DRAWING No.</td> <td></td> </tr> <tr> <td>214753-EN10-H</td> <td>09901-ST53</td> <td>1</td> <td>41DD-DB07-0002</td> <td>PC</td> <td></td> </tr> </table>		Project Managers 		Design Consultant 		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER		FILE No.	PROJECT No.	REGION	DATE	DRAWING No.		214753-EN10-H	09901-ST53	1	41DD-DB07-0002	PC	
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214753-EN10-H	09901-ST53	1	41DD-DB07-0002	PC																																									
REFERENCE DRAWINGS		REVISIONS																																											

1108

CANCEL PRINTS BEARING PREVIOUS LETTER



DWG. No.	Description	Rev	Date	Description	Signature
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		PB	04/11/23	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

NO.	DESCRIPTION

REVISIONS

NO.	DESCRIPTION

S2S TRANSPORTATION GROUP

DESIGNED: J. SOJAN DATE: JUL 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. SWANEY DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

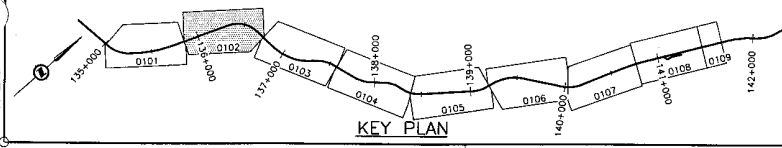
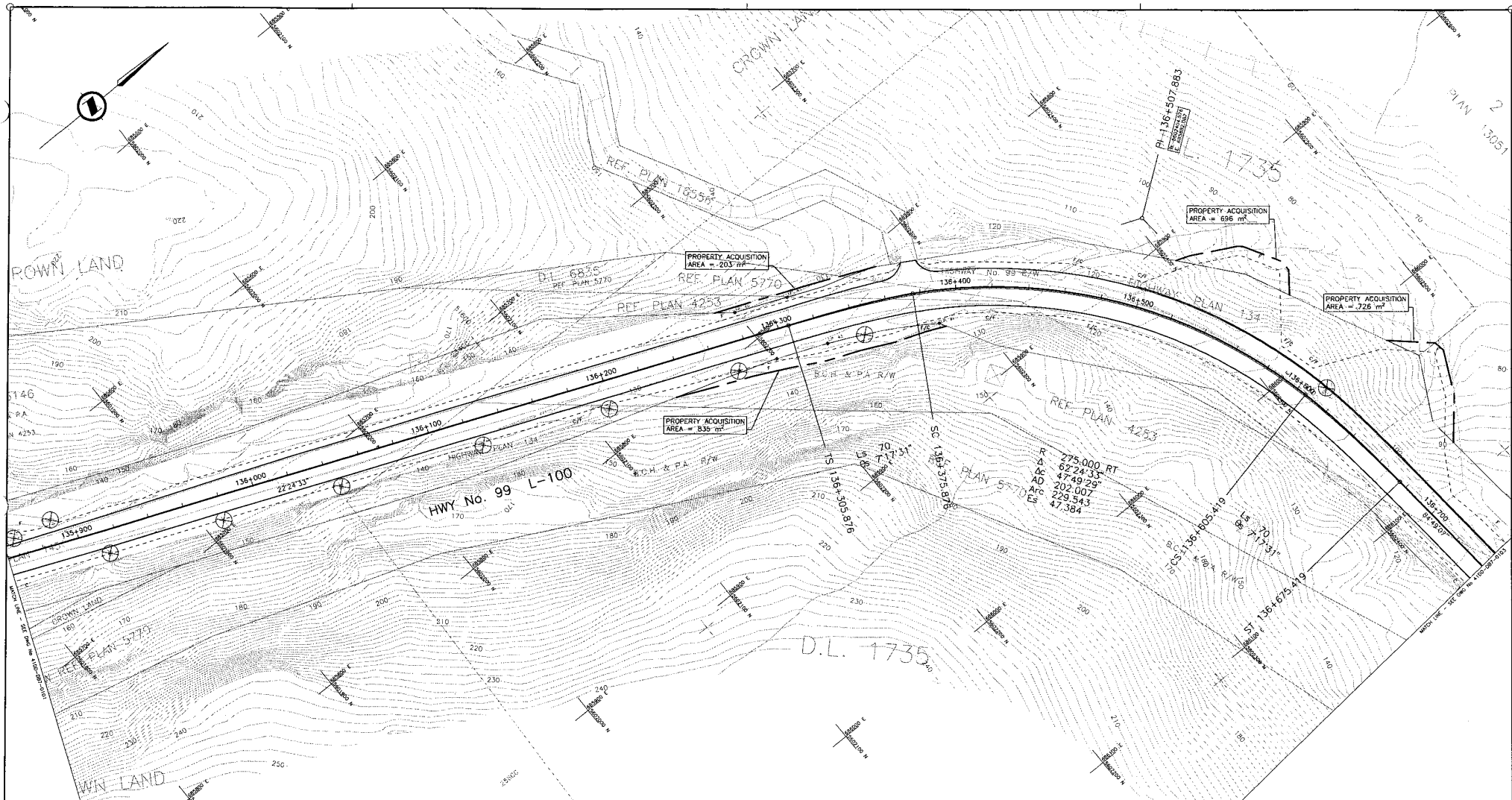
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 135+020.914 TO STA 135+860

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

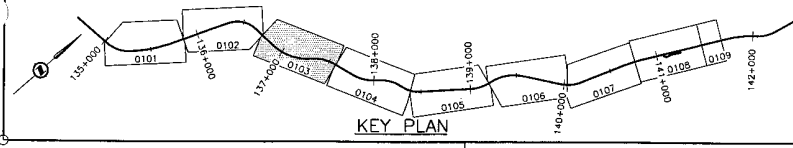
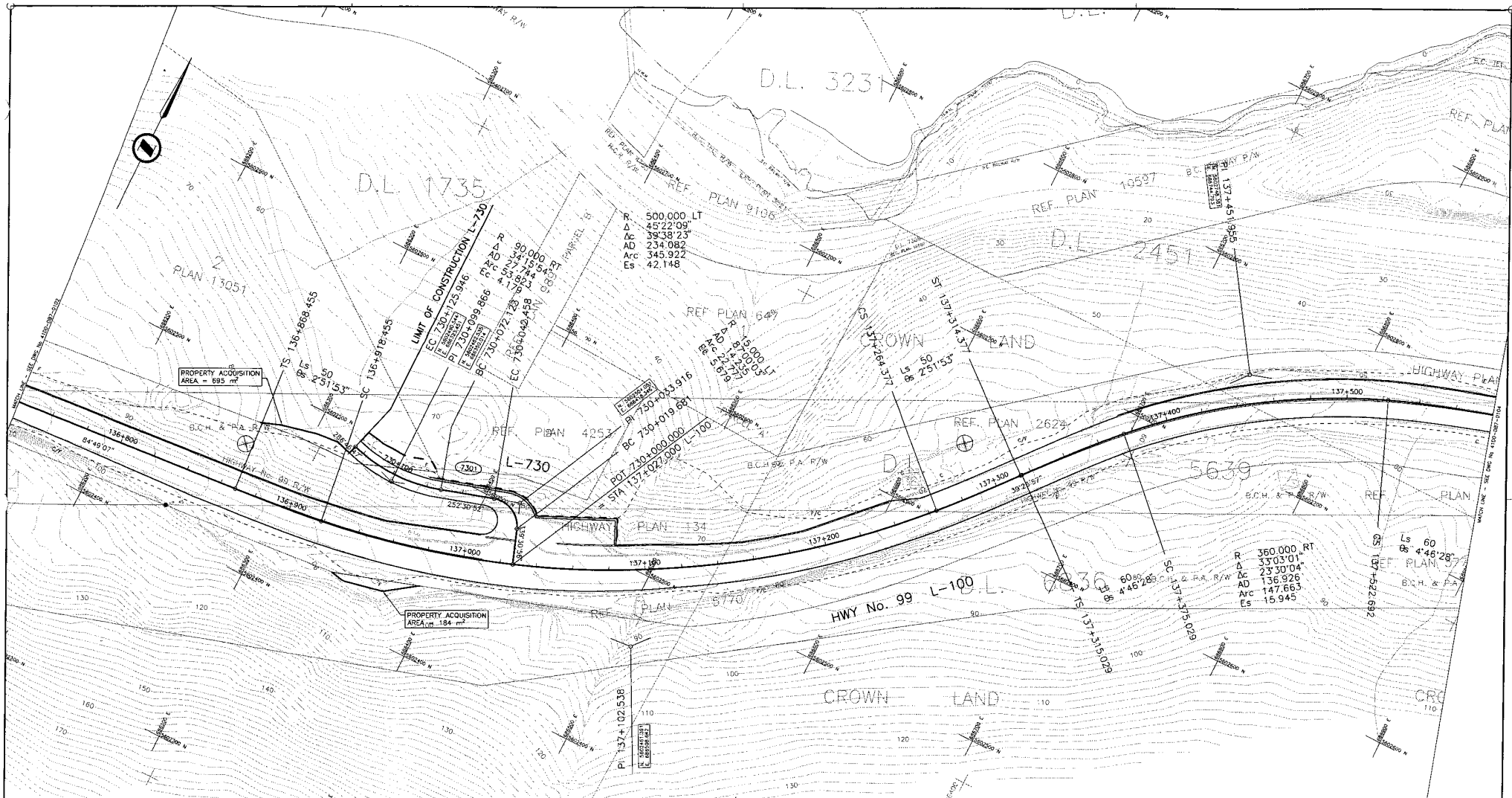
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CANCEL PRINTS BEARING PREVIOUS LETTER



	DESIGNED: J. SLIMAN DATE: JUL 04 CHECKED: S. TARR DATE: NOV 04 DRAWN: P. JAVAY DATE: SEP 04 APPROVED: DATE:		 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB7 - MURRIN PARK TO SOUTH STAWAMUS STA 135+860 TO STA 136+740																												
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<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PB</td> <td>04/11/25 RE-ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PC</td> <td>05/01/10 ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DWG. No.	Description	Rev.	Date	Description	Signature	PA	ISSUED FOR REVIEW					PB	04/11/25 RE-ISSUED FOR REVIEW					PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION					<table border="1"> <thead> <tr> <th>Project Managers</th> <th>Design Consultant</th> <th>PREPARED UNDER THE DIRECTION OF</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>SENIOR DESIGN ENGINEER</td> </tr> </tbody> </table>	Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF			SENIOR DESIGN ENGINEER
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		SENIOR DESIGN ENGINEER																													
REFERENCE DRAWINGS		REVISIONS																													

CANCEL PRINTS BEARING PREVIOUS LETTER



DWG. No.	Description

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/13	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SCALE 0 1:1000 50

DESIGNED J. SLOAN DATE JUL 04
 CHECKED S. TARR DATE NOV 04
 DRAWN P. JANEY DATE SEP 04
 APPROVED DATE

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

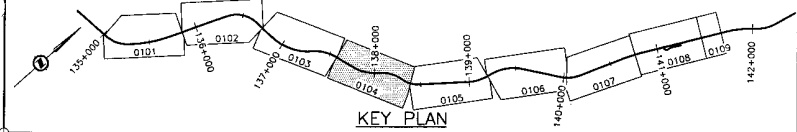
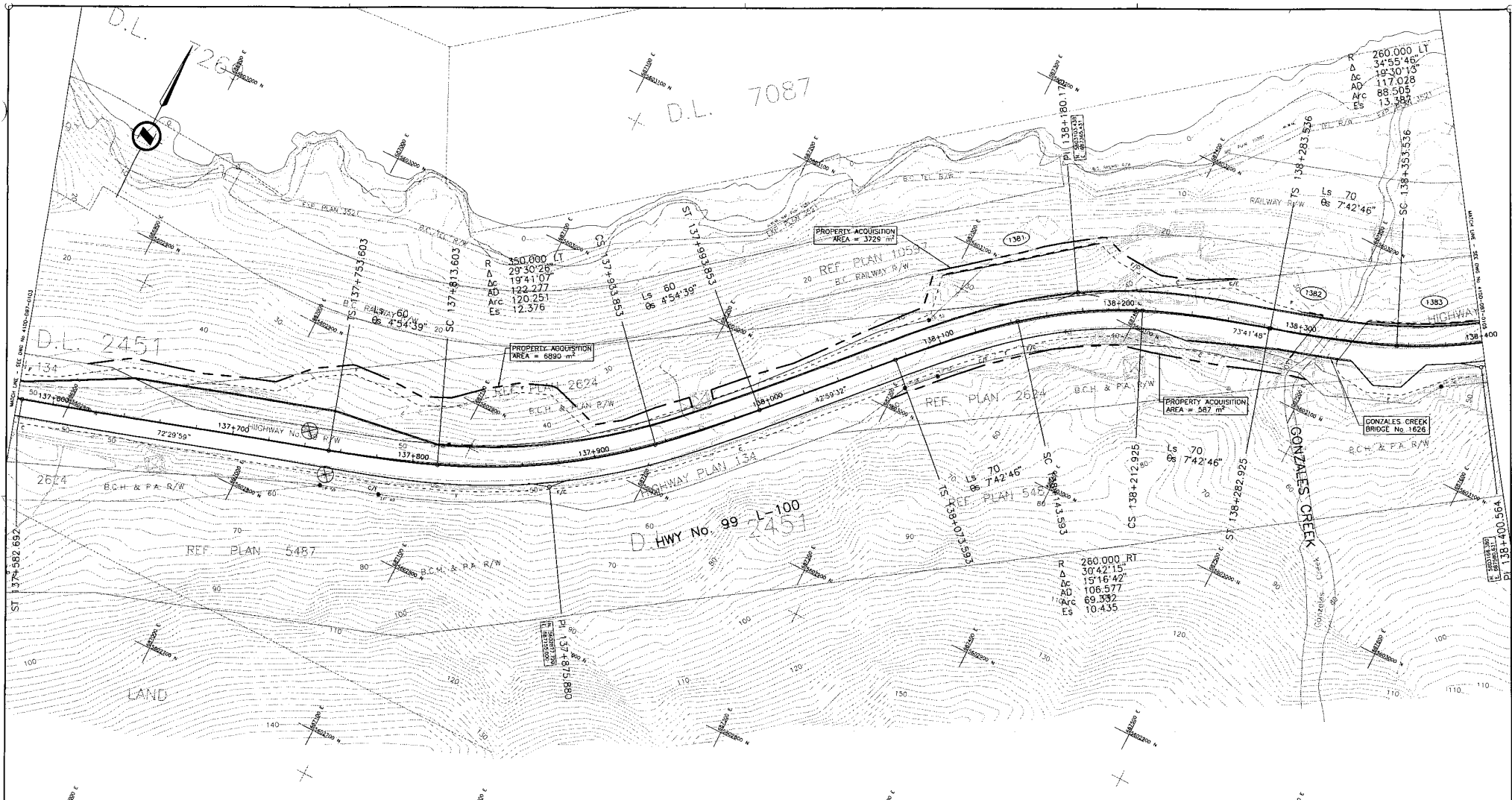
DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 136+740 TO STA 137+580

PREPARED UNDER THE DIRECTION OF

Hatch Mott MacDonald Design Consultant
ISL Infrastructure Systems Ltd. SENIOR DESIGN ENGINEER

FILE No. PROJECT No. RECORD DATE DRAWING No.
214753-EN10-H 09901-ST53 1 410D-DB07-0103 PC

CANCEL PRINTS BEARING PREVIOUS LETTER



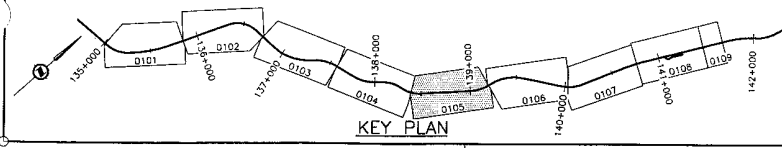
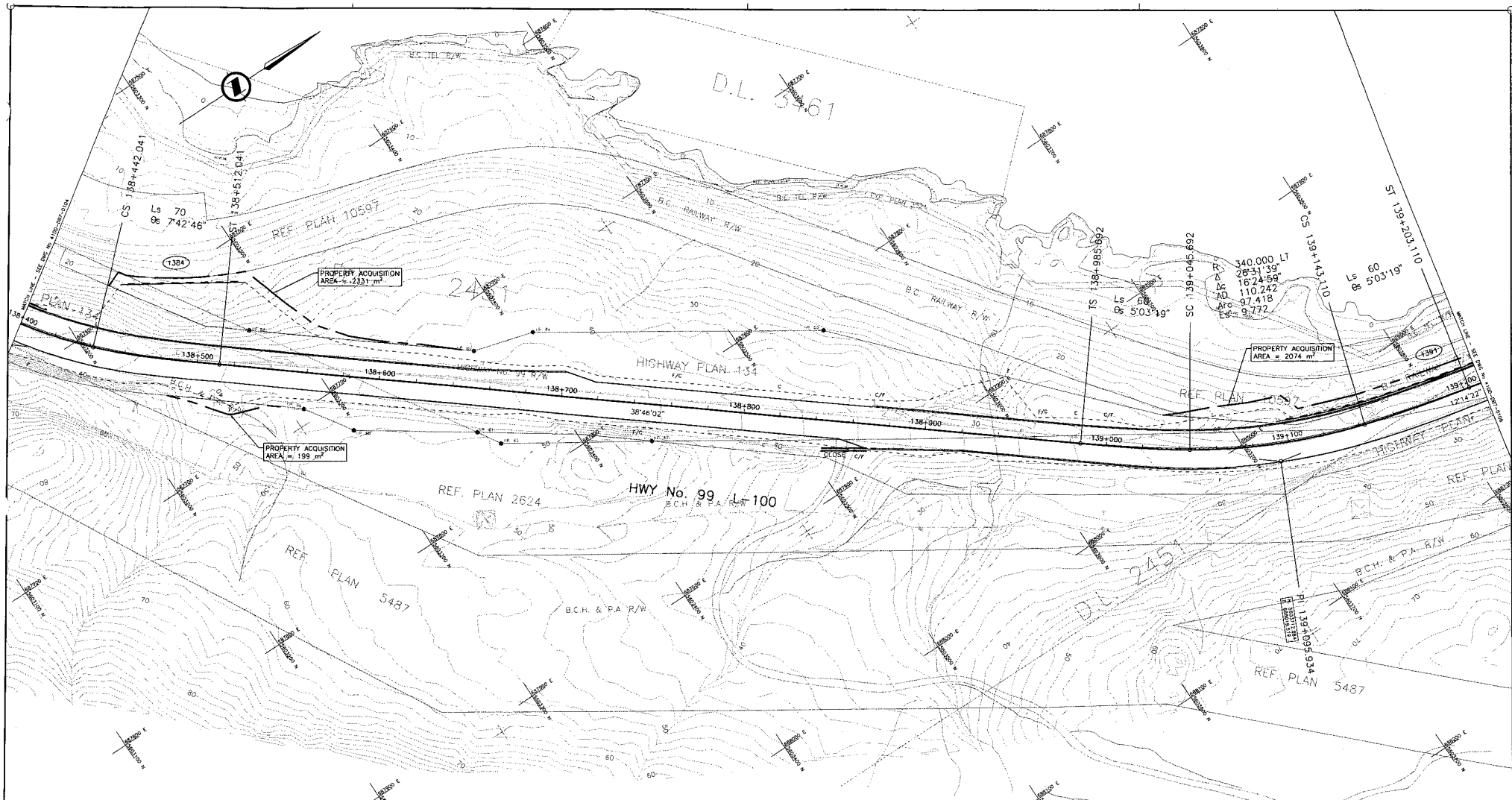
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Rev Date Description Signature	PA ISSUED FOR REVIEW		
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PC 05/01/10 ISSUED FOR PROPOSAL SUBMISSION			

DWG. No.	Description

Rev	Date	Description	Signature

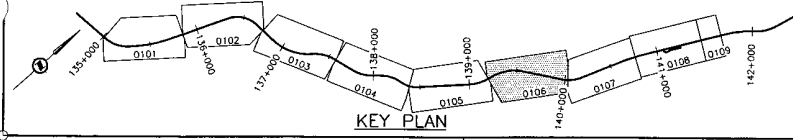
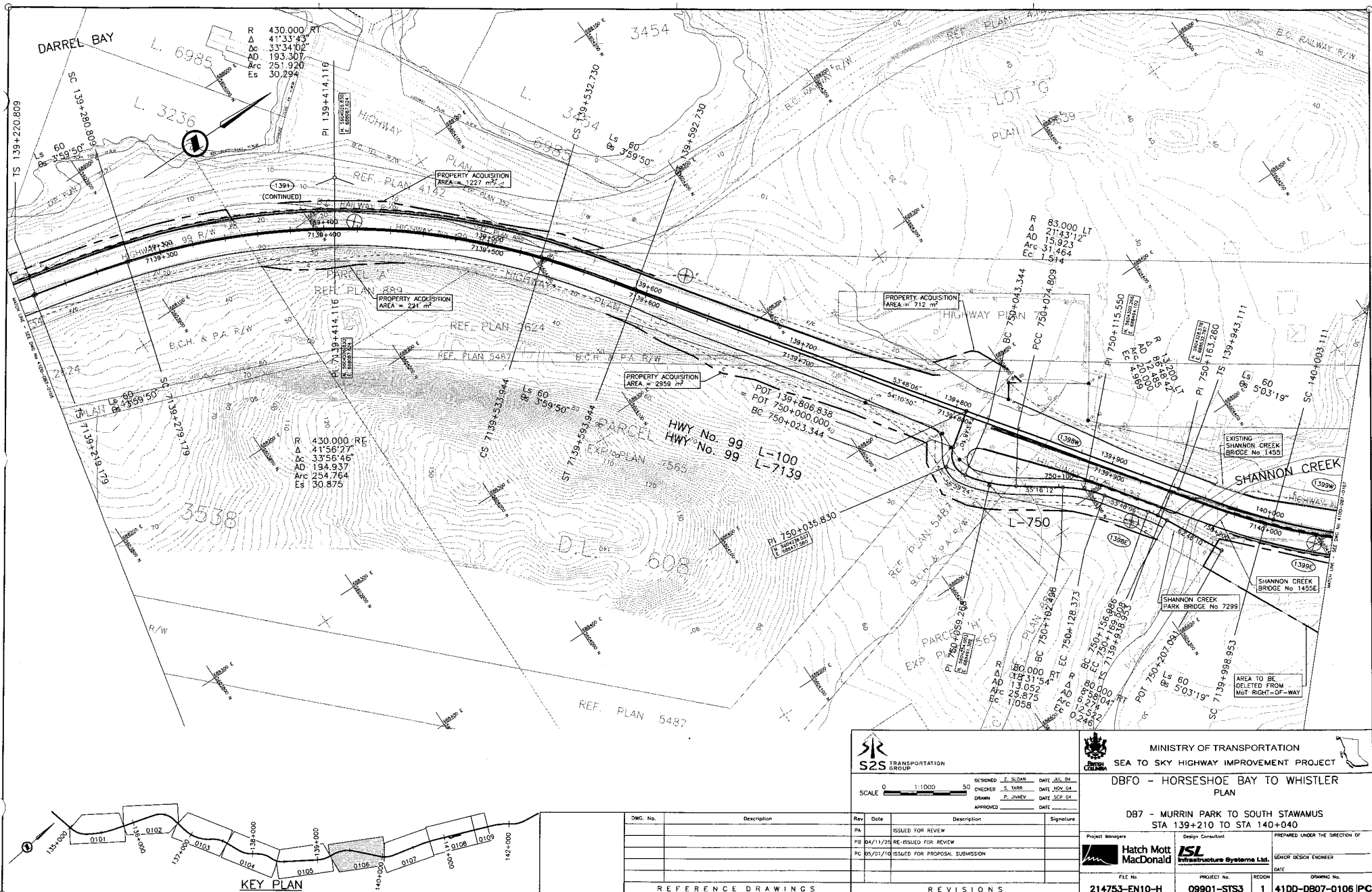
MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT			
DBF - HORSESHOE BAY TO WHISTLER PLAN			
DB7 - MURRIN PARK TO SOUTH STAWAMUS STA 137+580 TO STA 138+400			
PROJECT MANAGER:		PREPARED UNDER THE DIRECTION OF:	
FILE No.		PROJECT No.	
214753-EN10-H		09901-ST53	
REGION		DRAWING No.	
1		41DD-DB07-0104	
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CANCEL PRINTS BEARING PREVIOUS LETTER



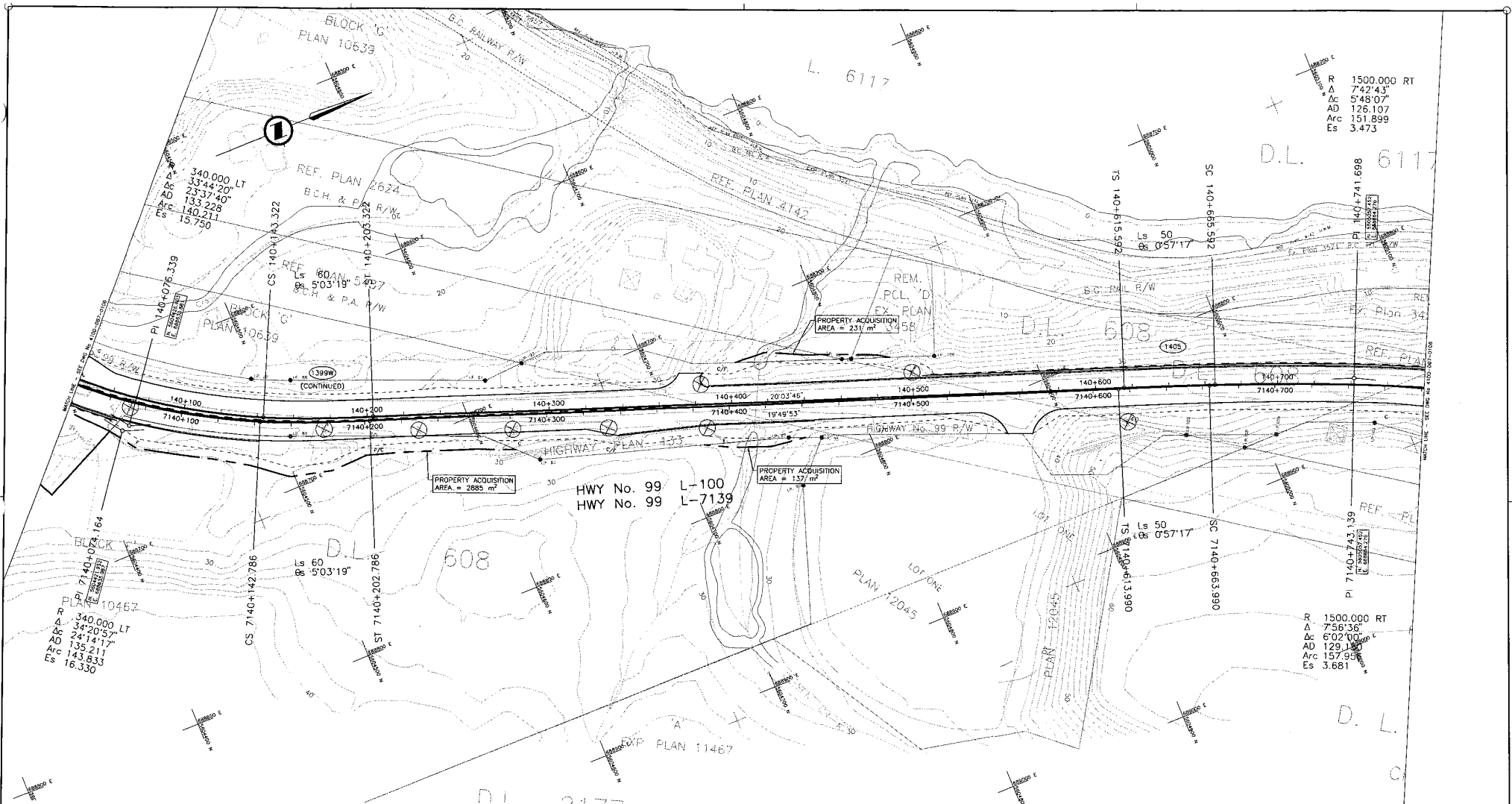
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PB	24/11/25 RE-ISSUED FOR REVIEW																										
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION																										

CANCEL PRINTS BEARING PREVIOUS LETTER



	DESIGNED: Z. SUDAN DATE: JUL 04 CHECKED: S. TARR DATE: NOV 04 DRAWN: P. JIMVEY DATE: SEP 05 APPROVED: DATE:			SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB7 - MURRIN PARK TO SOUTH STAWAMUS STA 139+210 TO STA 140+040																								
	SCALE: 0 1:10000 30	PROJECT MANAGERS: Hatch Mott MacDonald DESIGN CONSULTANT: ISL Infrastructure Systems Ltd. FILE NO: 214753-EN10-H PROJECT NO: 09901-ST53 REGION: 1 DRAWING NO: 41DD-DB07-0106 PC		PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER																								
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PB</td> <td>04/11/25 RE-ISSUED FOR REVIEW</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PC</td> <td>05/01/10 ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature	PA	ISSUED FOR REVIEW					PB	04/11/25 RE-ISSUED FOR REVIEW					PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION					PROJECT MANAGERS: Hatch Mott MacDonald DESIGN CONSULTANT: ISL Infrastructure Systems Ltd.		PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
DWG. No.	Description	Rev	Date	Description	Signature																							
PA	ISSUED FOR REVIEW																											
PB	04/11/25 RE-ISSUED FOR REVIEW																											
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION																											

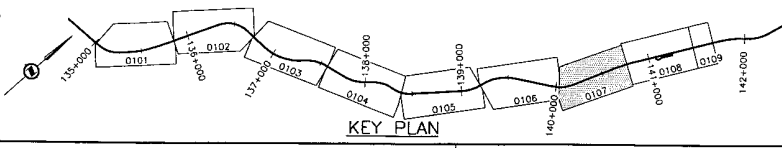
CANCEL PRINTS BEARING PREVIOUS LETTER



R 1500.000 RT
 Δ 742'43"
 Δc 548'07"
 AD 126.107
 Arc 151.899
 Es 3.473

D.L. 6117

R 1500.000 RT
 Δ 756'36"
 Δc 602'00"
 AD 129.180
 Arc 157.930
 Es 3.681



KEY PLAN

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 1:1000

DESIGNED: J. SLOAN DATE: JUL 04
 CHECKED: S. JARR DATE: NOV 04
 DRAWN: P. JUNEV DATE: SEP 04
 APPROVED: DATE:

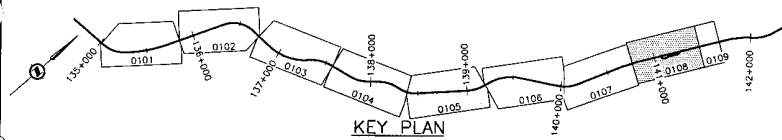
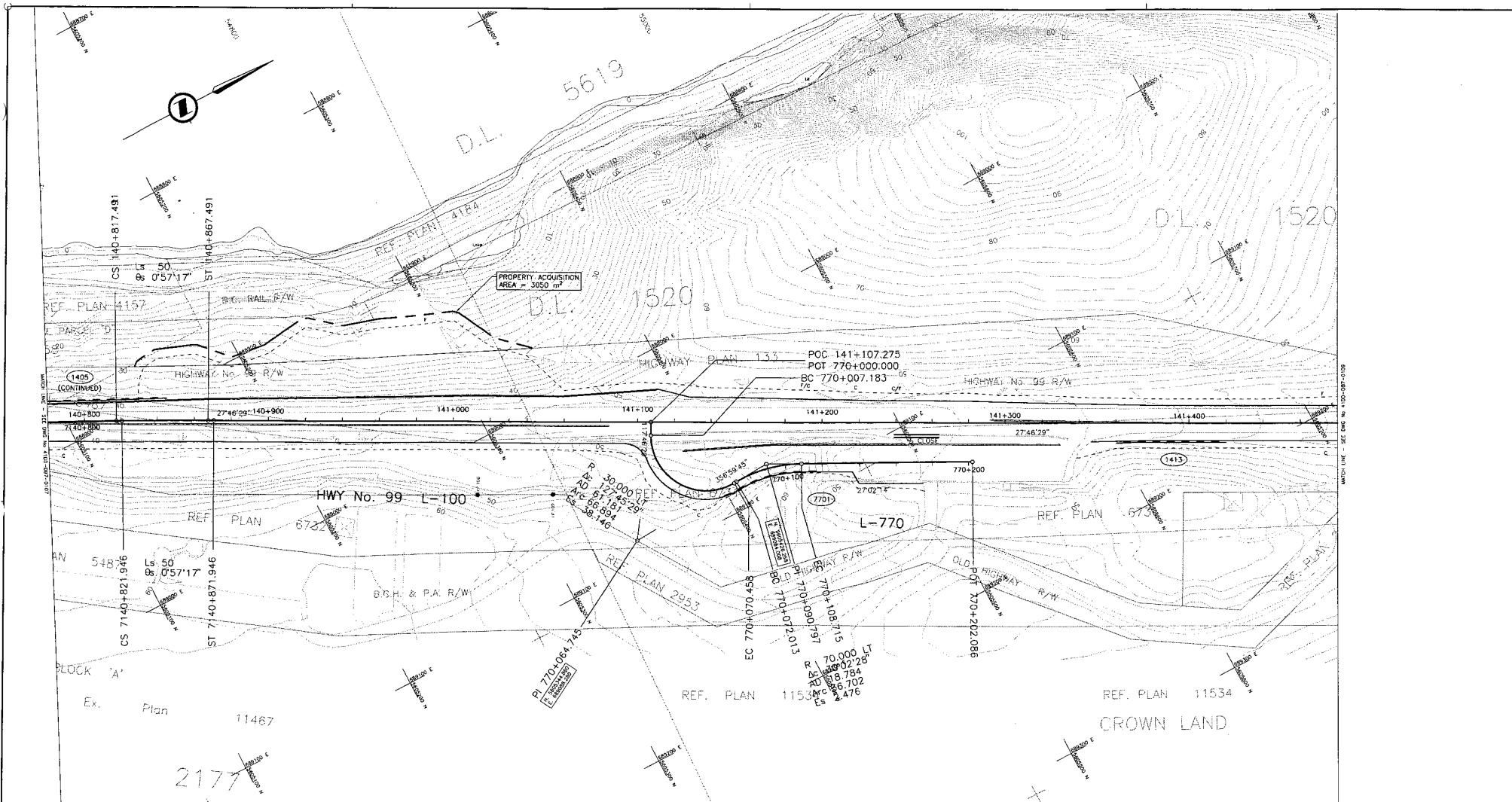
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 140+040 TO STA 140+780

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE NO: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING NO: 41DD-DB07-0107 PC

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 DATE: _____

CANCEL PRINTS BEARING PREVIOUS LETTER



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOAN DATE: JUL 04
 CHECKED: S. HARR DATE: NOV 04
 DRAWN: P. JUNEV DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 140+780 TO STA 141+480

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
FB	04/11/29	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

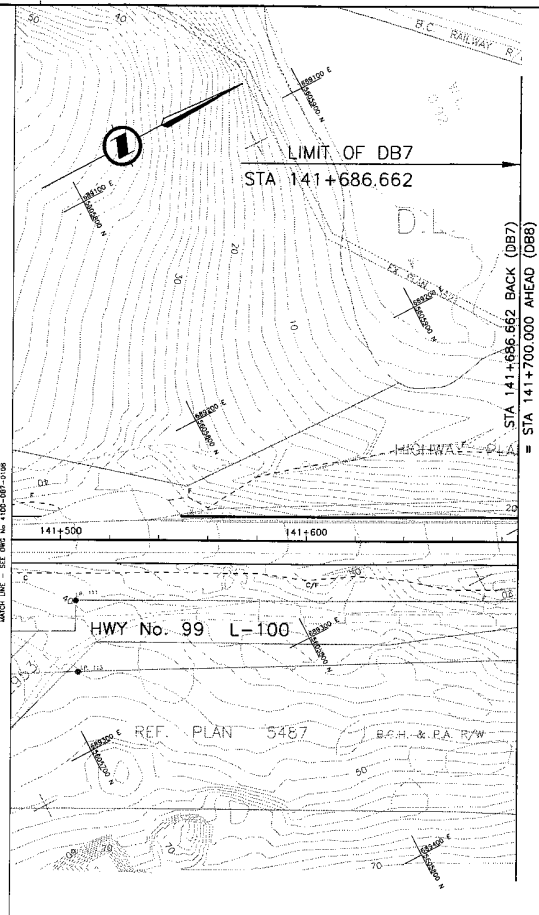
FILE No: 214753-EN10-H
 PROJECT No: 08901-ST53
 REGION: 1
 DRAWING No: 410D-0607-0108 PC

DWG. No.	Description

REVISIONS

REFERENCE DRAWINGS

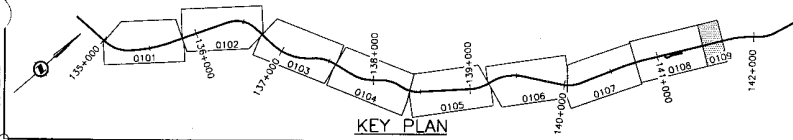
CANCEL PRINTS BEARING PREVIOUS LETTER



MATCH LINE - SEE DWG. No. 41DD-DB7-0108

STA 141+686.662 BACK (DB7)
= STA 141+700.000 AHEAD (DB8)

Hatch Mott MacDonald



KEY PLAN

DWG. No.	Description	Rev	Date	Description	Signature
PA				ISSUED FOR REVIEW	
PB		04/11/25		RE-ISSUED FOR REVIEW	
PC		03/01/10		ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOAN DATE JUL 04
 CHECKED: S. TARR DATE NOV 04
 DRAWN: P. JANEY DATE SEP 04
 APPROVED: DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

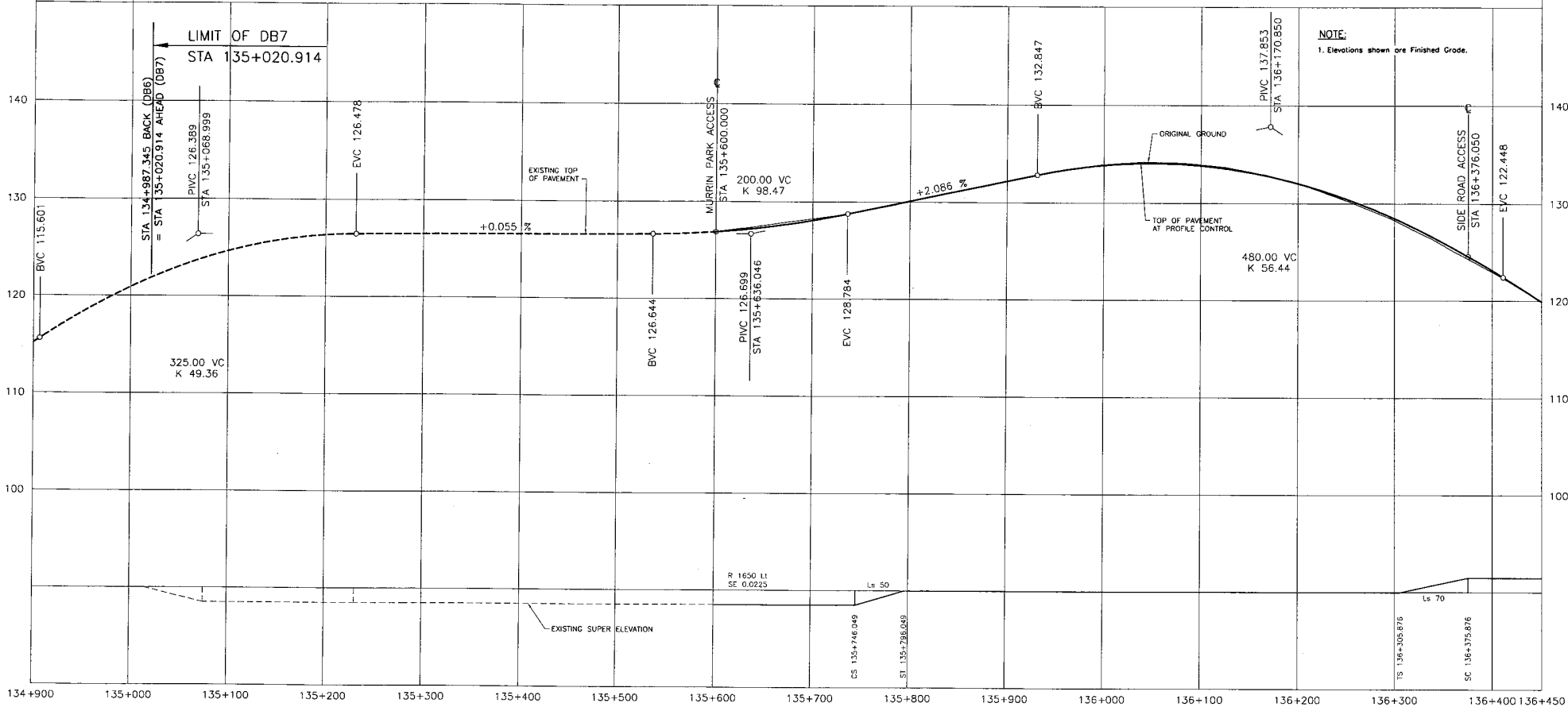
DB7 - MURRIN PARK TO SOUTH STAWAMUS
STA 141+480 TO STA 141+686.662

Project Managers: **Hatch Mott MacDonald** Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE No: **214753-EN10-H** PROJECT No: **09901-ST53** REGION: **1** DRAWING No: **41DD-DB07-0109** **PC**

CANCEL PRINTS BEARING PREVIOUS LETTER

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB7 - MURRIN PARK TO SOUTH STAWAMUS
STA 135+020.914 TO STA 136+450

DESIGNED: J. SLOAN DATE: SEP. 04

SCALE: 0 Horiz: 1:2000 100 CHECKED: S. SARR DATE: NOV. 04

0 Vert: 1:200 10 DRAWN: P. JAVAY DATE: SEP. 04

APPROVED: _____ DATE: _____

DESIGNED: J. SLOAN DATE: SEP. 04

CHECKED: S. SARR DATE: NOV. 04

DRAWN: P. JAVAY DATE: SEP. 04

DATE: _____

PROJECT MANAGER: _____

DESIGN CONSULTANT: _____

PREPARED UNDER THE DIRECTION OF: _____

SENIOR DESIGN ENGINEER: _____

DATE: _____

Project Manager: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE No. **214753-EN10-H**

PROJECT No. **09901-ST53**

REGION **1**

DRAWING No. **41DD-DB07-0201 PC**

Rev	Date	Description	Signature
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PB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

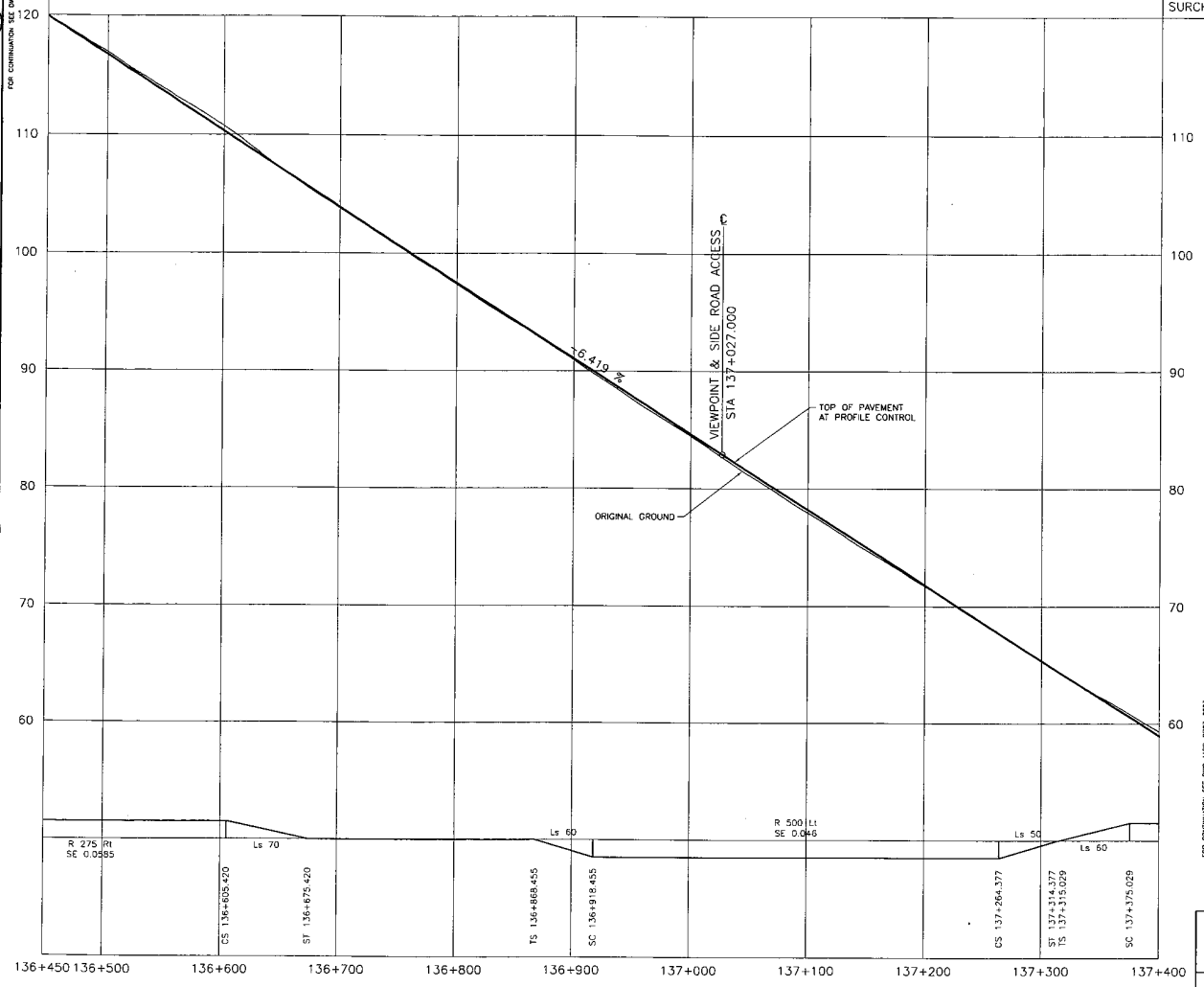
REFERENCE DRAWINGS

REVISIONS

FOR CONTINUATION SEE ENG 41DE-0007-0203

CANCEL PRINTS BEARING PREVIOUS LETTER

FOR CONTINUATION SEE DWG. 41DD-DB7-001



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³

NOTE:
1. Elevations shown are Finished Grade.

FOR CONTINUATION SEE DWG. 41DD-DB7-003

136+450 136+500 136+600 136+700 136+800 136+900 137+000 137+100 137+200 137+300 137+400

DESIGN SPEED 80 km/h

SRS TRANSPORTATION GROUP

DESIGNED: J. SIDAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JOMEV DATE: SEP 04
 APPROVED: _____ DATE: _____

SCALE: Horiz: 1:2000 100
 Vert: 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 136+450 TO STA 137+400

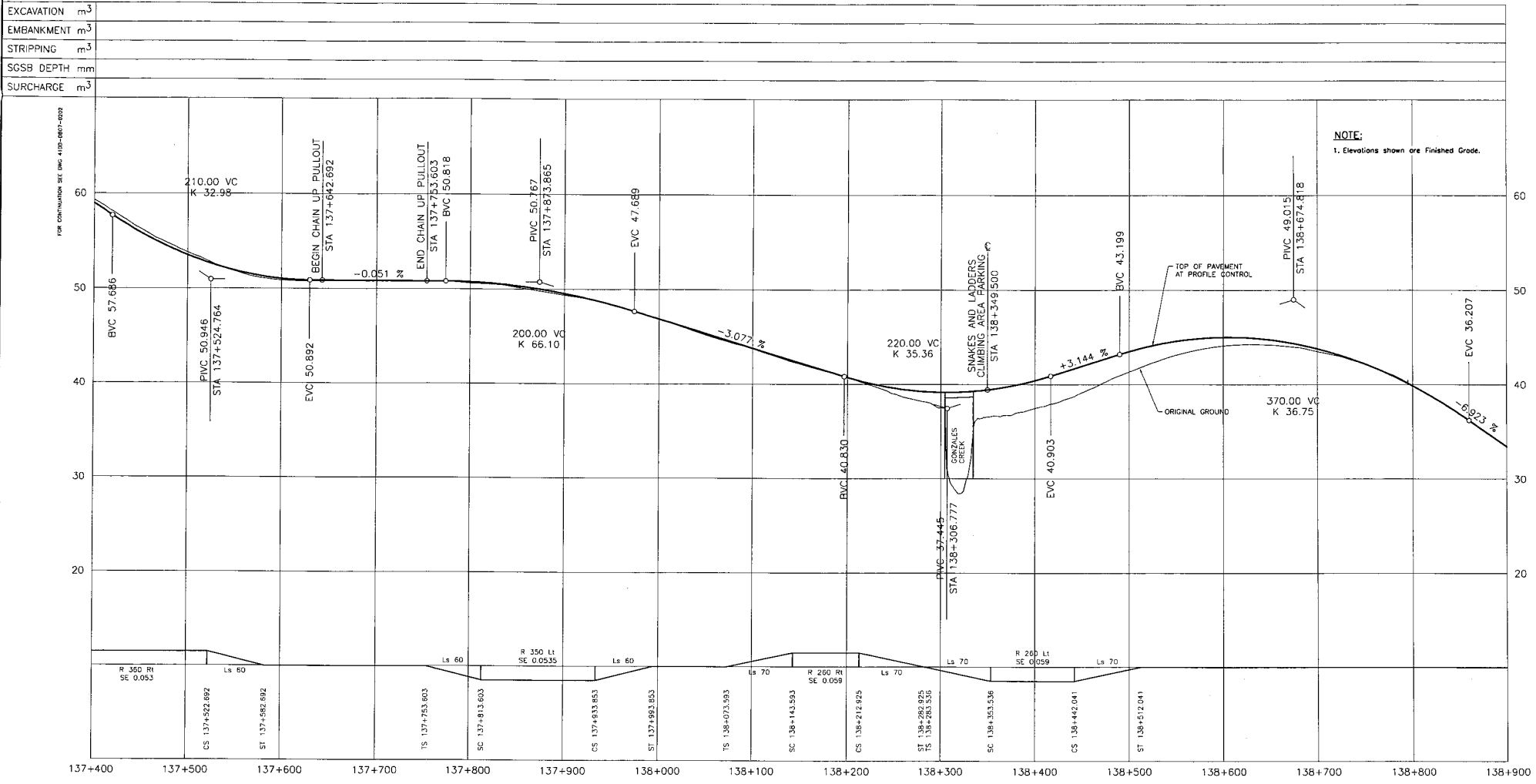
DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	RE-ISSUED FOR REVIEW				
PC	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: Hatch Mott MacDonald | Design Consultant: ISL Infrastructure Systems Ltd.

FILE No. 214753-EN10-H | PROJECT No. 09901-ST53 | REVISION 1 | DRAWING No. 41DD-DB07-0202 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



S2S TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JANEY DATE: SEP 04
 APPROVED: DATE:

SCALE: 0 Horiz 1:2000 100
 0 Vert 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 137+400 TO STA 138+900

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

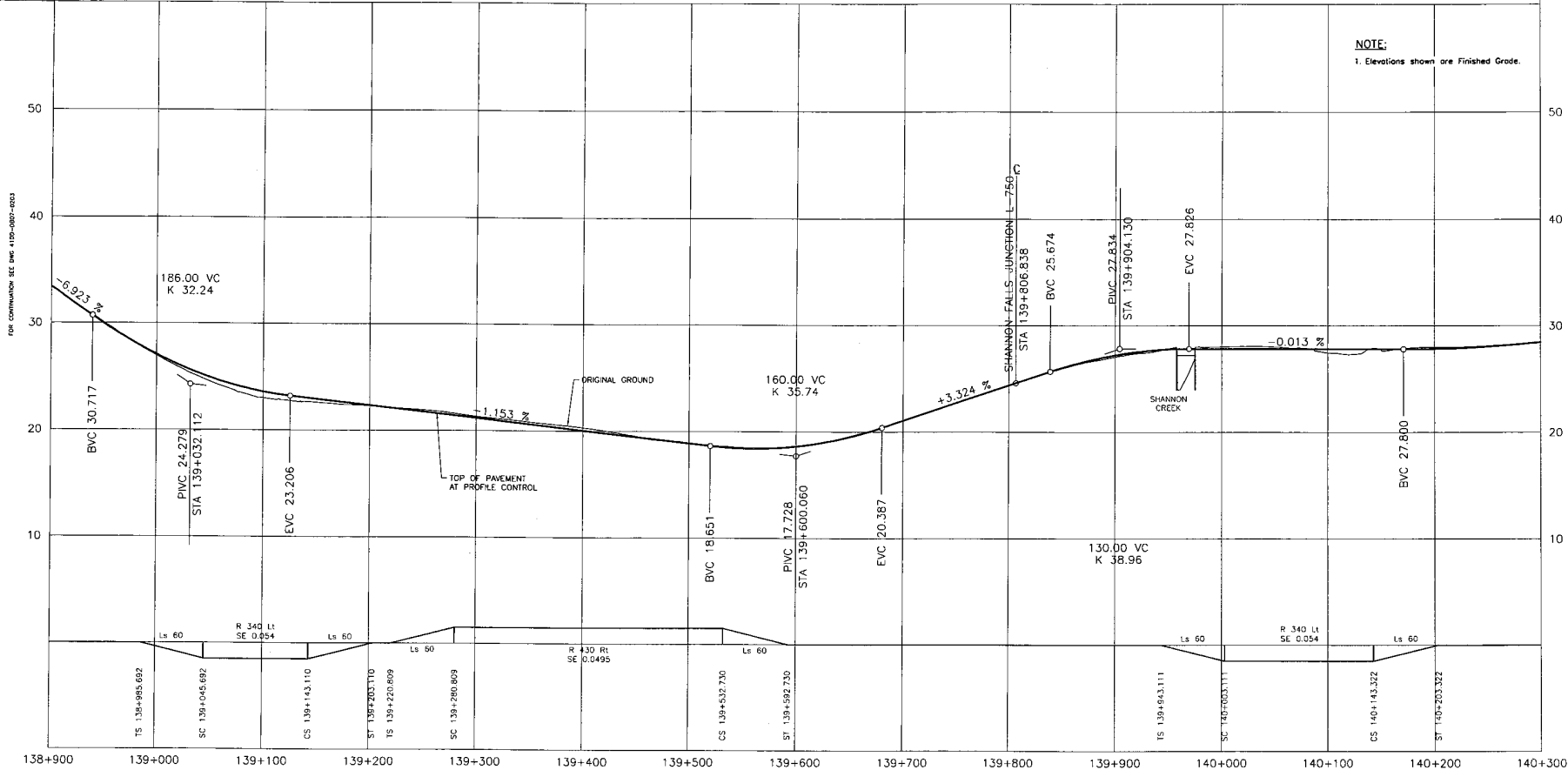
SENIOR DESIGN ENGINEER: _____
 DATE: _____

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB07-0203-PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 80 km/h

SRS TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE SEP 04
 CHECKED: S. TARR DATE NOV 04
 DRAWN: P. JENNY DATE SEP 04
 APPROVED: DATE

SCALE: Horiz. 1:2000, Vert. 1:200

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

OB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 138+900 TO STA 140+300

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB 04/11/25	RE-ISSUED FOR REVIEW				
PC 05/01/10	ISSUED FOR PROPOSAL SUBMISSION				

Project Manager: **Hatch Mott MacDonald**
 Design Computer: **ISL Infrastructure Systems Ltd.**

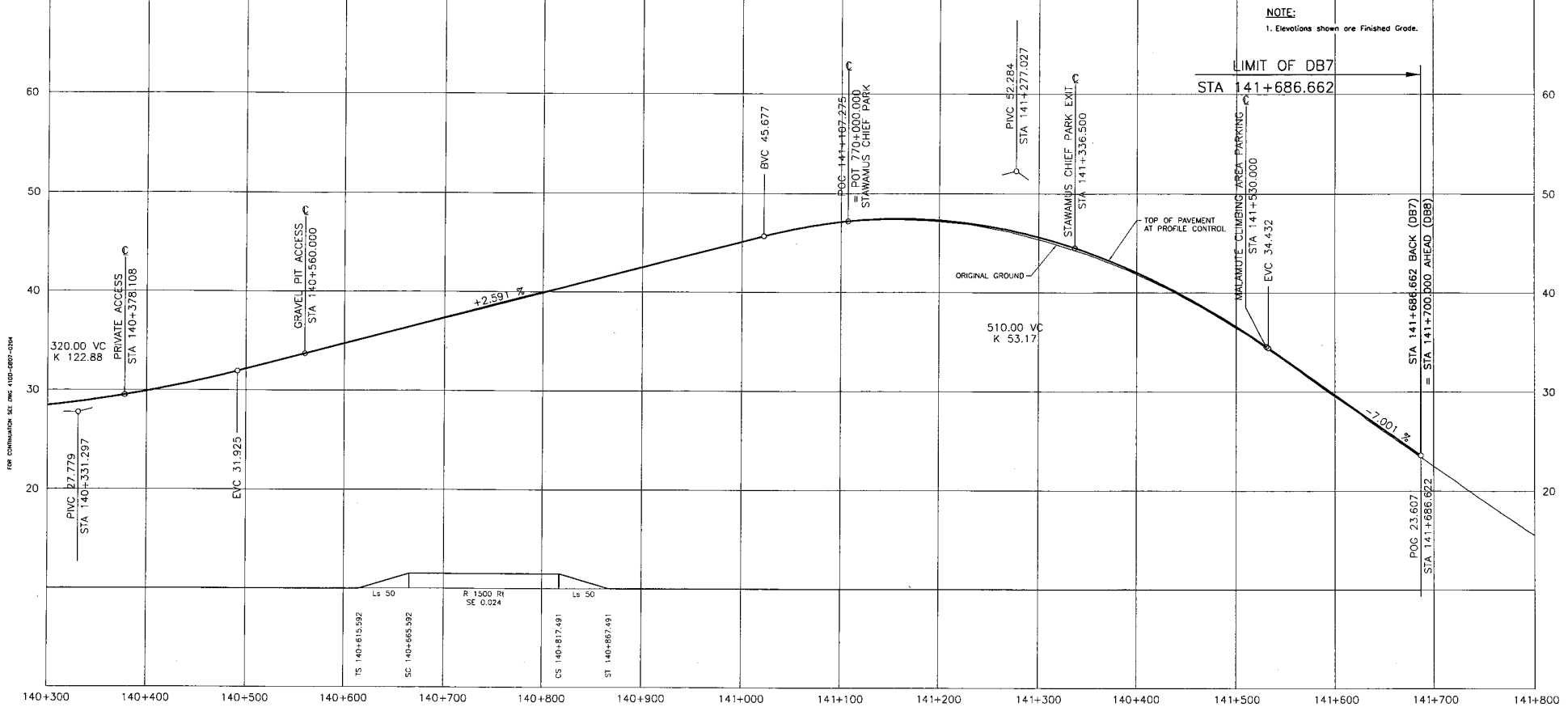
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB07-0204 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



FOR COMPUTATION SEE DWG. 41DD-DB07-0204

DESIGN SPEED 80 km/h

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB7 - MURRIN PARK TO SOUTH STAWAMUS
STA 140+300 TO STA 141+686.662

DESIGNED: J. SLOAN DATE SEP 04
 SCALE: 0 Horiz 1:2000 100 CHECKED: S. TARR DATE NOV 04
 0 Vert 1:200 10 DRAWN: P. JINNEY DATE SEP 04
 APPROVED: DATE

DWG. No.	Description	Rev	Date	Description	Signature
PA				ISSUED FOR REVIEW	
PB			04/11/25	RE-ISSUED FOR REVIEW	
PC			05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers
Hatch Mott MacDonald

Design Consultant
ISL Infrastructure Systems Ltd.

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. **214753-EN10-H**

PROJECT No. **09901-ST53**

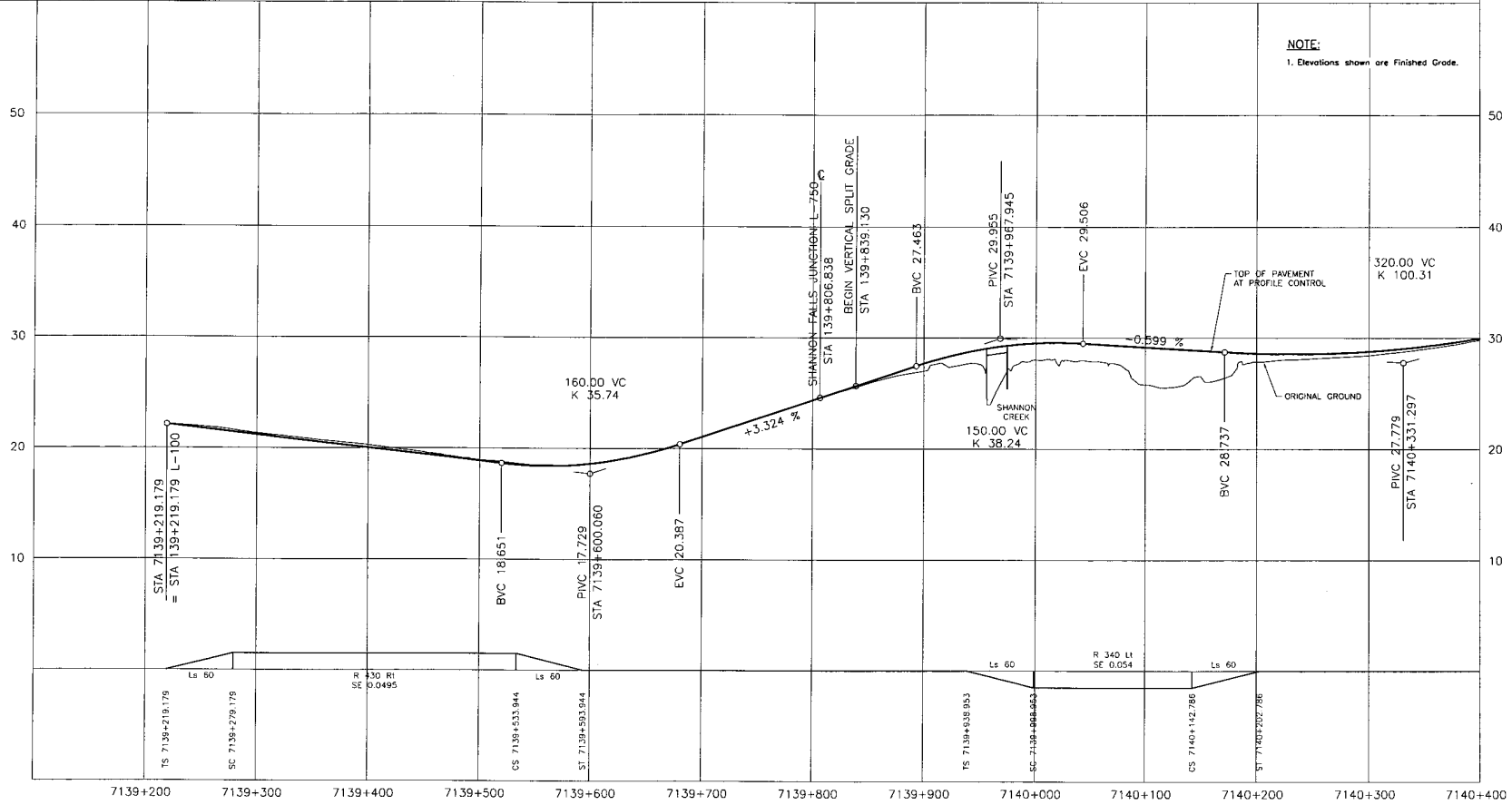
REGION **1**

DRAWING No. **41DD-DB07-0205**

CANCEL PRINTS BEARING PREVIOUS LETTER

REFERENCE DRAWINGS	REVISIONS

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SCSB DEPTH	mm
SURCHARGE	m ³



DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE: SEP. 04
 CHECKED: S. FAIR DATE: NOV. 04
 DRAWN: P. JIMMY DATE: SEP. 04
 APPROVED: _____ DATE: _____

SCALE: Horiz. 1:2000 100
 Vert. 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L-7139
 DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 7139+219.179 TO STA 7140+400

DESIGNED UNDER THE DIRECTION OF
 Project Manager: _____
 Design Consultant: Hatch Mott MacDonald / ISL Infrastructure Systems Ltd.
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

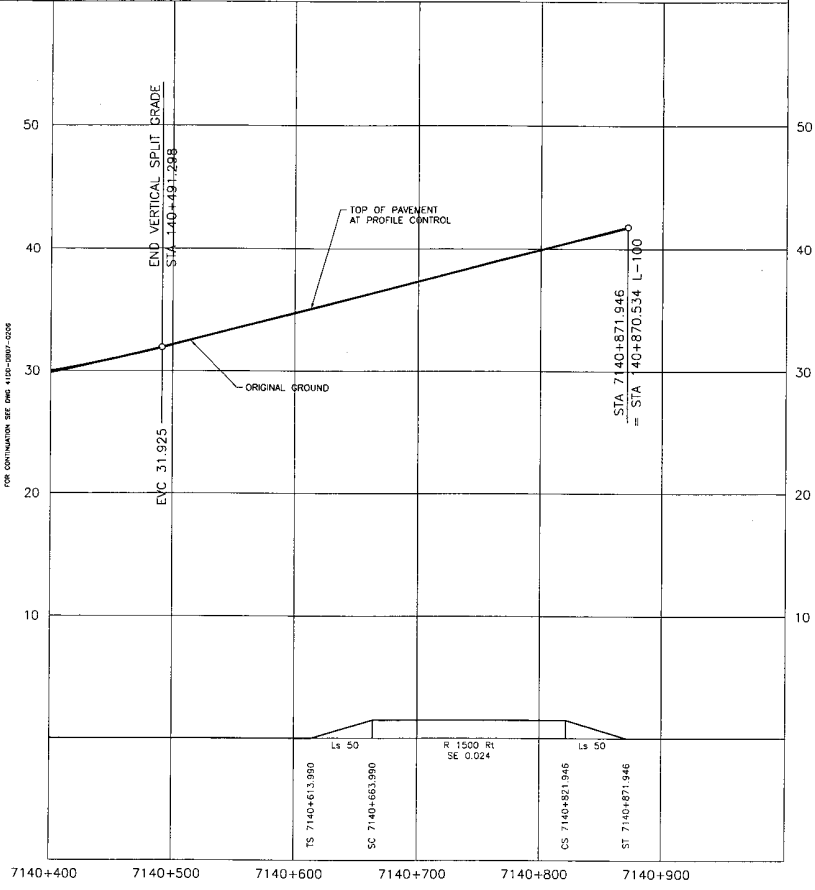
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB07-0206 PC

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	RE-ISSUED FOR REVIEW	04/11/25			
PC	ISSUED FOR PROPOSAL SUBMISSION	05/01/10			

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



Elevations shown are Finished Grade.

DESIGN SPEED 80 km/h

S2S TRANSPORTATION GROUP

DESIGNED: J. SLOAN DATE: SEP 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: P. JANEY DATE: SEP 04
 APPROVED: DATE: _____

SCALE: Horiz: 1:2000 100
 Vert: 1:200 10

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L-7139
 DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 7140+400 TO STA 7140+871.946

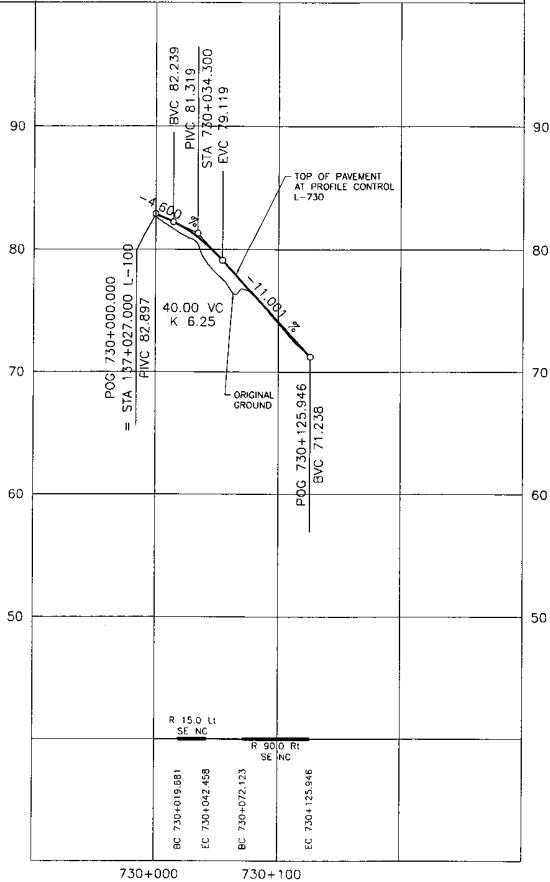
OWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-H PROJECT No. 09901-ST53 1 REVISION No. 41DD-DB07-0207 PC

REFERENCE DRAWINGS REVISIONS

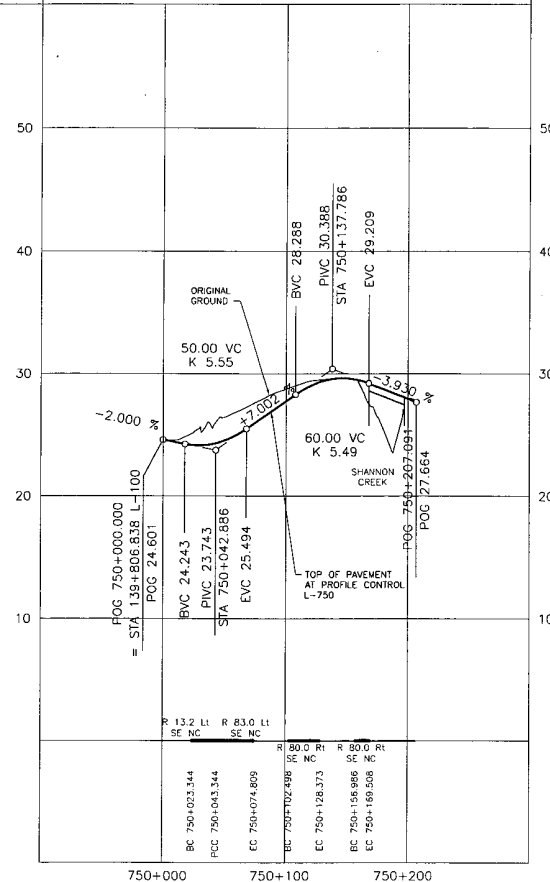
CANCEL PRINTS BEARING PREVIOUS LETTER

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³

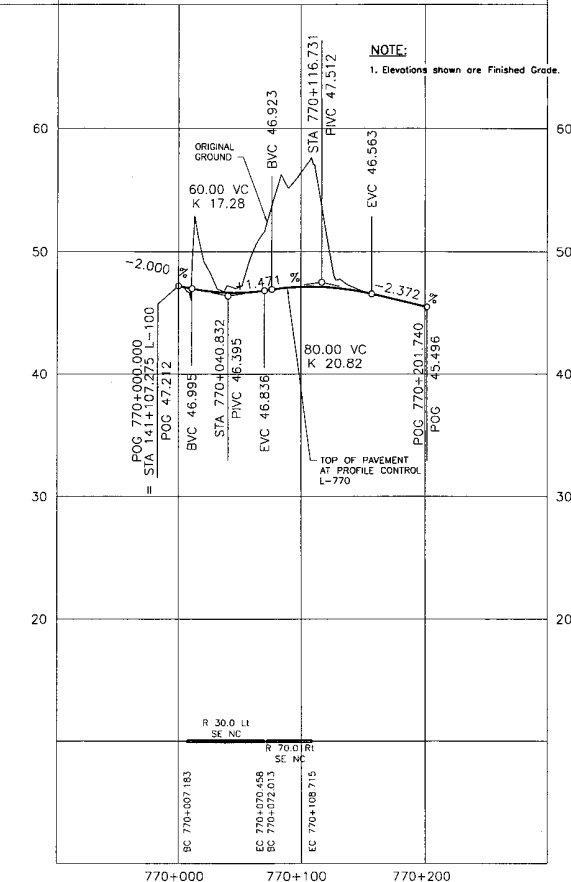


DESIGN SPEED 30 km/h

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	m ³
SGSB DEPTH	mm
SURCHARGE	m ³



NOTE:
1. Elevations shown are Finished Grade.

SR
S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
L-730, L-750 & L-770
DB7 - MURRIN PARK TO SOUTH STAWAMUS

DESIGNED: J. SUMM DATE SEP 04
CHECKED: S. TARR DATE NOV 04
DRAWN: P. ZIMLEY DATE SEP 04
APPROVED: DATE

PROJECT MANAGERS: Hatch Mott MacDonald
DESIGN CONSULTANT: ISL Infrastructure Systems Ltd.
SENIOR DESIGN ENGINEER: [Name]FILE No.: 214753-EN10-H
PROJECT No.: 09901-ST53
REVISION: 1
DRAWING No.: 41DD-DB07-0208 PC

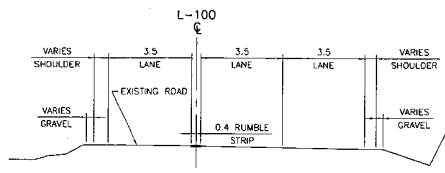
OWC No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	RE-ISSUED FOR REVIEW				
PC	ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS

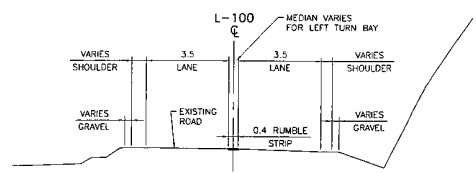
REVISIONS

DATE PLOTTED: 12/12/04

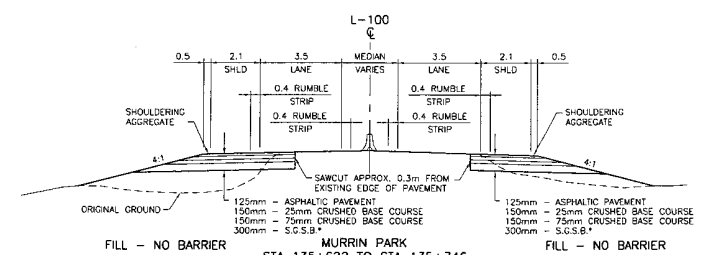
CANCEL PRINTS BEARING PREVIOUS LETTER



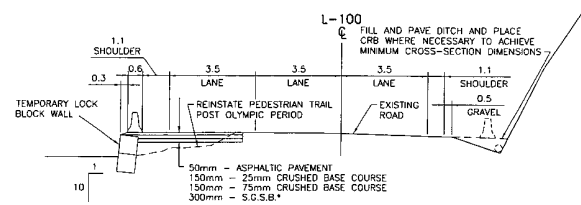
MURRIN PARK
STA 135+020 TO STA 135+340
SCALE 1:100
L-100
3 LANE SECTION UNDIVIDED



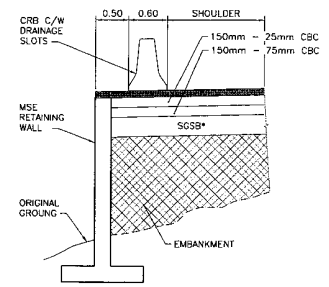
MURRIN PARK
STA 135+340 TO STA 135+622
SCALE 1:100
L-100
2 LANE SECTION UNDIVIDED



MURRIN PARK
STA 135+622 TO STA 135+746
SCALE 1:100
L-100
2 LANE SECTION DIVIDED



MURRIN PARK
STA 135+260 TO STA 135+740
SCALE 1:100
L-100
OLYMPIC TEMPORARY 3 LANE SECTION



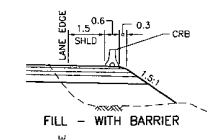
RETAINING WALL DETAIL
NTS

ROCK CATCHMENT WIDTH (W)

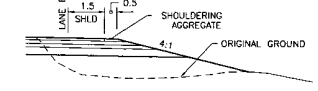
ROCK SLOPE HEIGHT	CATCHMENT WIDTH
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m

NOTES

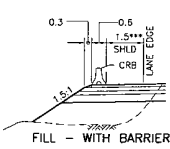
- * USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
- ** WIDTH VARIES UP TO 3.20m
- *** WIDTH VARIES UP TO 1.90m
- **** LOCATION OF BARRIER VARIES WITHIN MEDIAN
- 1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.



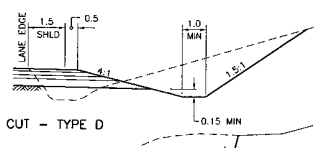
FILL - WITH BARRIER



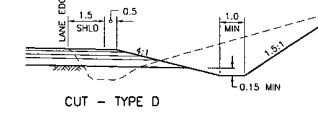
FILL - NO BARRIER



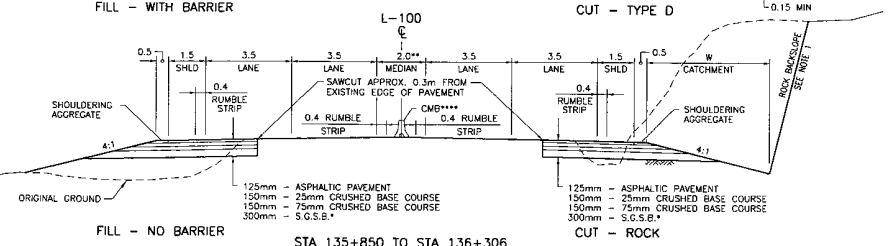
FILL - WITH BARRIER



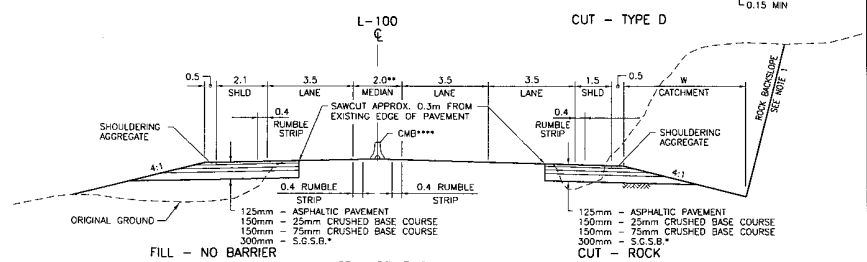
CUT - TYPE D



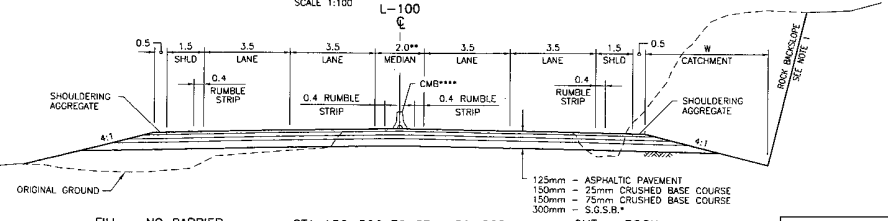
CUT - TYPE D



FILL - NO BARRIER
STA 135+850 TO STA 136+306
SCALE 1:100
L-100
CUT - ROCK



FILL - NO BARRIER
STA 135+746 TO STA 135+850
SCALE 1:100
L-100
3 LANE SECTION DIVIDED



FILL - NO BARRIER
STA 136+306 TO STA 139+825
STA 140+370 TO STA 140+762
STA 141+381 TO STA 141+686.662 (DB8)
SCALE 1:100
L-100
4 LANE SECTION DIVIDED

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: J. SLOAN DATE: OCT 04
CHECKED: S. TARR DATE: NOV 04
DRAWN: P. JANEV DATE: OCT 04
APPROVED: DATE:

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
TYPICAL SECTIONS AND DETAILS

DB7 - MURRIN PARK TO SOUTH STAWAMUS

DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	RE-ISSUED FOR REVIEW				
PC	ISSUED FOR PROPOSAL SUBMISSION				

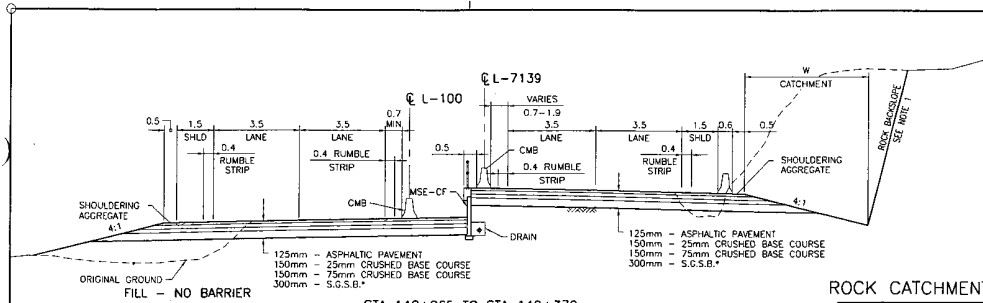
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER

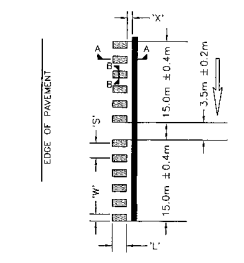
FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB07-0301

REFERENCE DRAWINGS REVISIONS

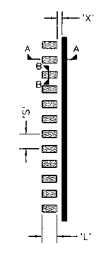


ROCK CATCHMENT WIDTH (W)

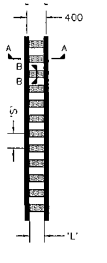
ROCK SLOPE HEIGHT	CATCHMENT WIDTH
0-8m	3.0m
8-16m	4.0m
16-24m	5.0m
>24m	5.0m



SHOULDER RUMBLE STRIP DETAIL



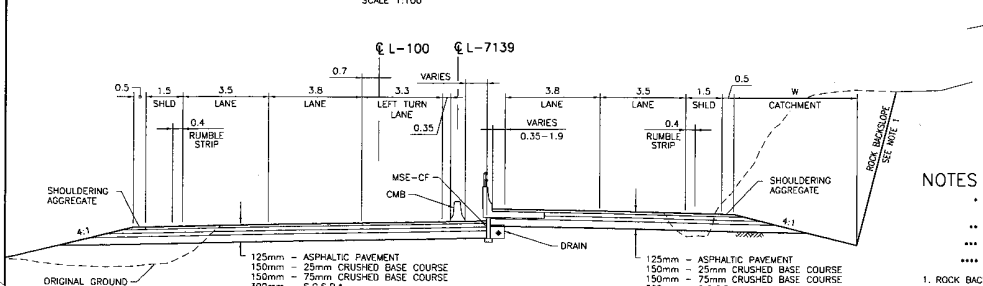
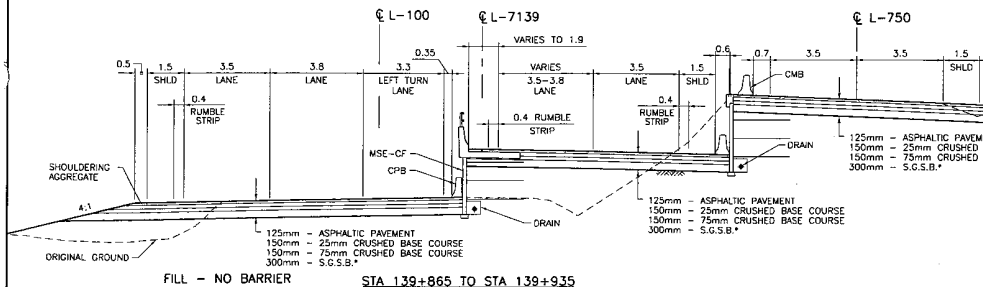
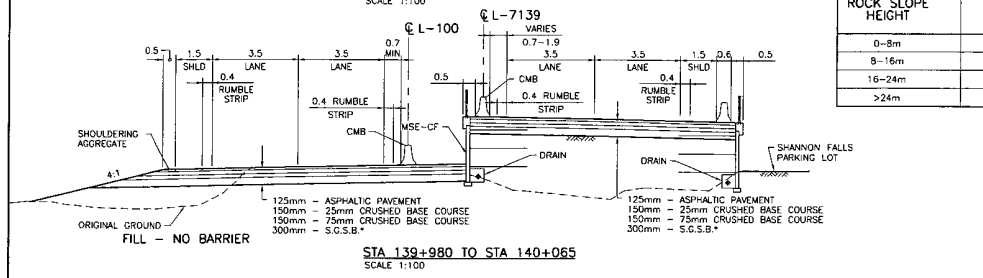
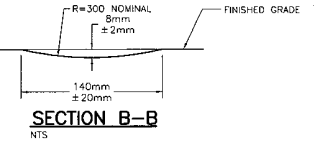
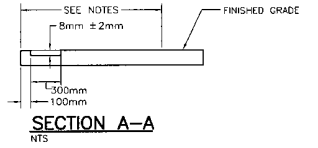
CENTRELINE RUMBLE STRIP DETAIL (WITH MEDIAN)



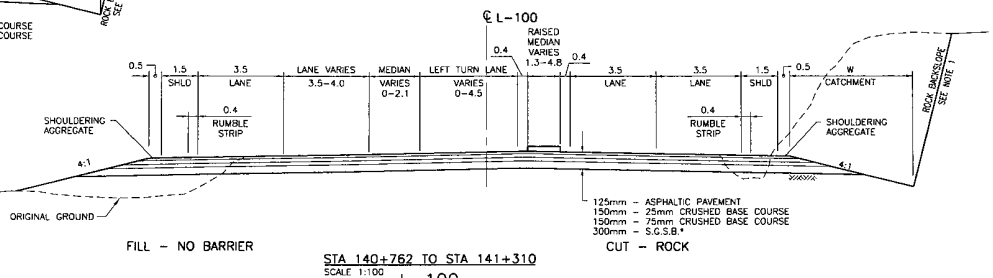
CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN)

NOTES FOR RUMBLE STRIPS:

- OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ± 10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WEAR.
- LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
- WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ± 2mm).
- SPACING 'S' BETWEEN STRIPS IS 300mm.
- FOR FURTHER DETAILS, SEE MOT TECHNICAL BULLETINS D504001 AND D504002.
- CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN) SUBJECT TO MOT APPROVAL.
- 400mm WIDTH BETWEEN LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.



- NOTES
- * USE S.G.S.B. LAYER IN TYPE D CUT AND FILL SECTIONS ONLY
 - ** WIDTH VARIES UP TO 3.20m
 - *** WIDTH VARIES UP TO 1.90m
 - **** LOCATION OF BARRIER VARIES WITHIN MEDIAN
 - 1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.



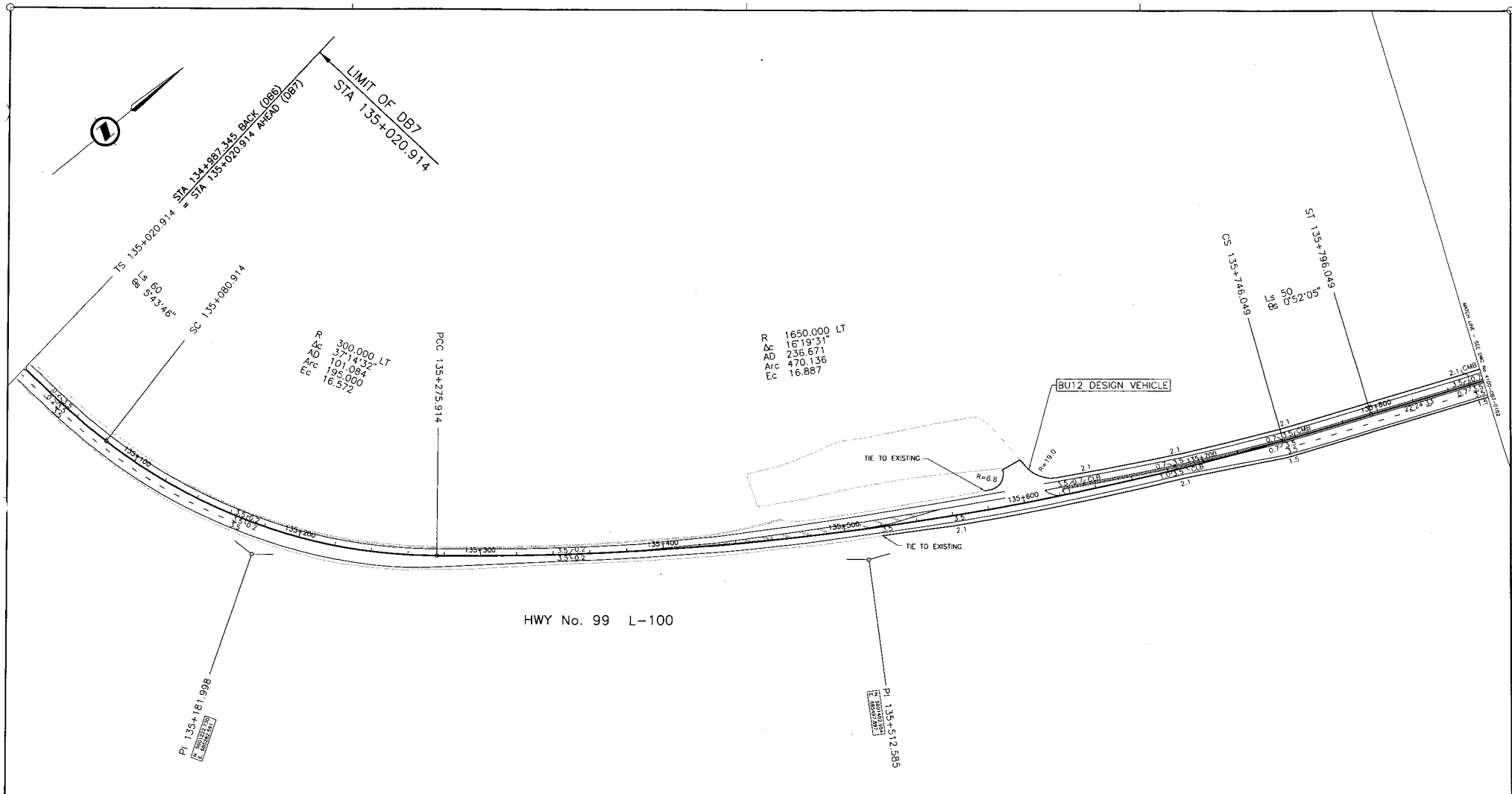
PROTECTED "T" INTERSECTION AT STAWAMUS CHIEF PARK

S2S TRANSPORTATION GROUP
 SCALE AS SHOWN
 DESIGNED J. SUDAN DATE 02L 04
 CHECKED S. TARR DATE 10V 04
 DRAWN P. RAJIV DATE 02L 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 TYPICAL SECTIONS AND DETAILS
 DB7 - MURRIN PARK TO SOUTH STAWAMUS

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: Hatch Mott MacDonald, ISL Infrastructure Systems Ltd.
 PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
 FILE No: 214753-EN10-H, PROJECT No: 09901-STSS, REVISION: 1, DRAWING No: 41DD-DB07-0302 PC



R 300,000 LT
 Δc 37°14'32"
 AD 101.084
 Arc 195.000
 Ec 16.572

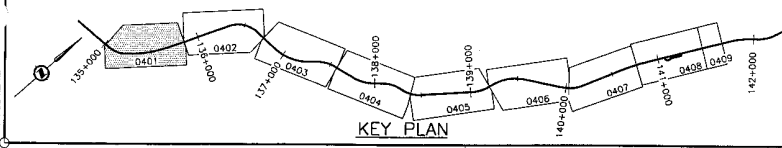
R 1650.000 LT
 Δc 16°19'31"
 AD 236.671
 Arc 470.136
 Ec 16.887

HWY No. 99 L-100

DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

PI 135+181.998
 R 300,000 LT
 Δc 37°14'32"
 AD 101.084
 Arc 195.000
 Ec 16.572

PI 135+512.585
 R 1650.000 LT
 Δc 16°19'31"
 AD 236.671
 Arc 470.136
 Ec 16.887



DESIGNED: J. SLOAN DATE: JUL 04
 CHECKED: S. TIER DATE: NOV 04
 DRAWN: P. ZWALEY DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 135+020.914 TO STA 135+860

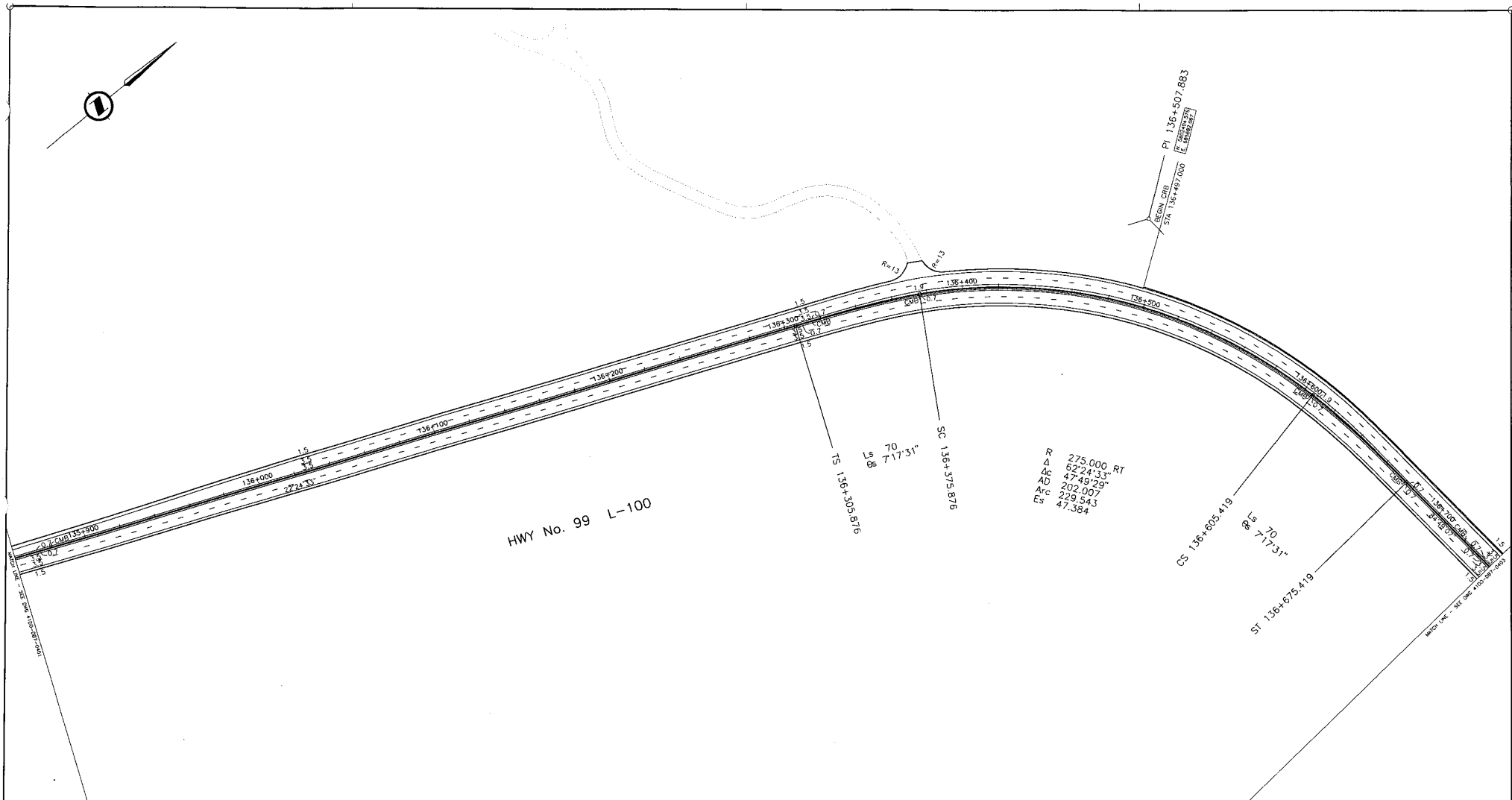
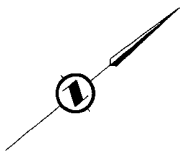
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		PA		ISSUED FOR REVIEW	
		PB	04/11/20	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 SENIOR DESIGN ENGINEER: DATE:

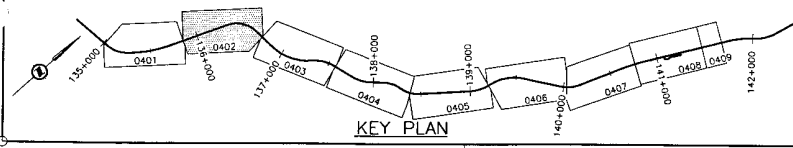
REFERENCE DRAWINGS	REVISIONS

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB07-0401 PC

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



DWG. No.	Description	Rev.	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

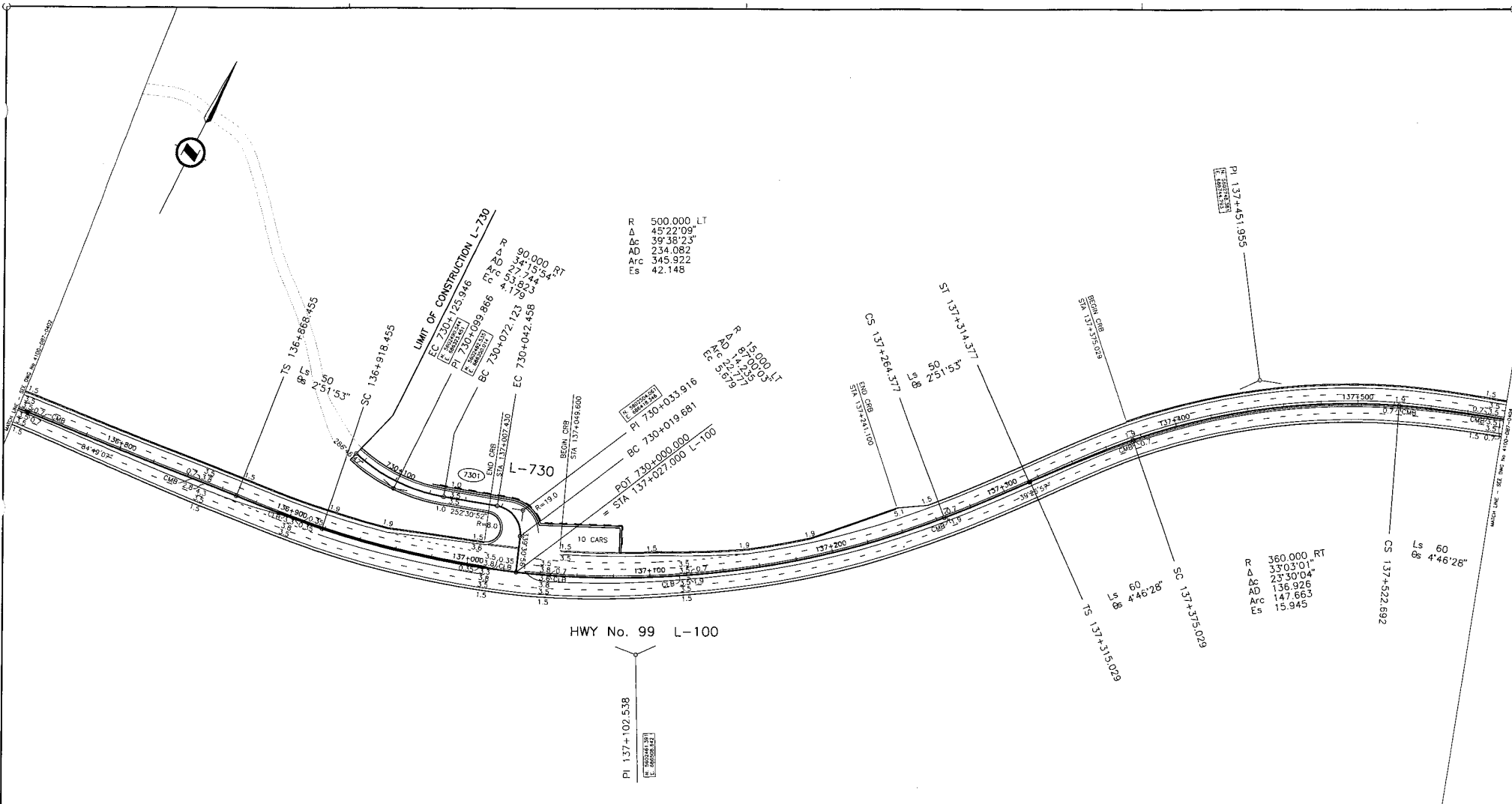
S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED: J. SLOAN DATE: JUL 04
 CHECKED: S. FAIRB DATE: NOV 04
 DRAWN: P. JAMES DATE: SEP 04
 APPROVED: DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 135+860 TO STA 136+740

Project Managers Hatch Mott MacDonald	Design Consultant ISL Infrastructure Systems Ltd.	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
DATE 41DD-DB07-0402		DRAWING No. PC

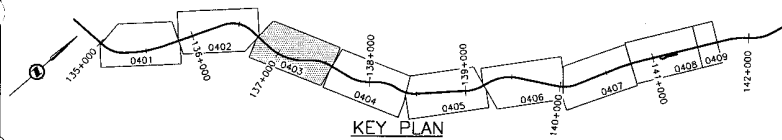
CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED J. SLOAN DATE JUN 04
 CHECKED S. HARRIS DATE NOV 04
 DRAWN D. JANEV DATE SEP 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 136+740 TO STA 137+580

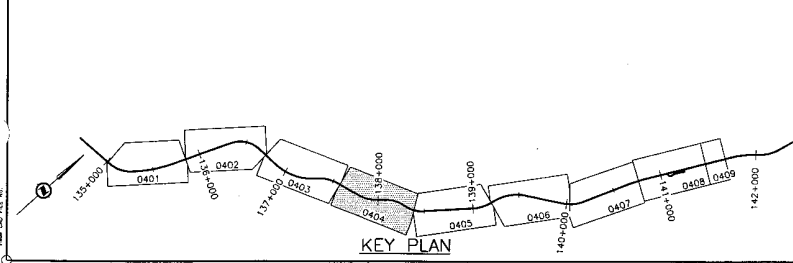
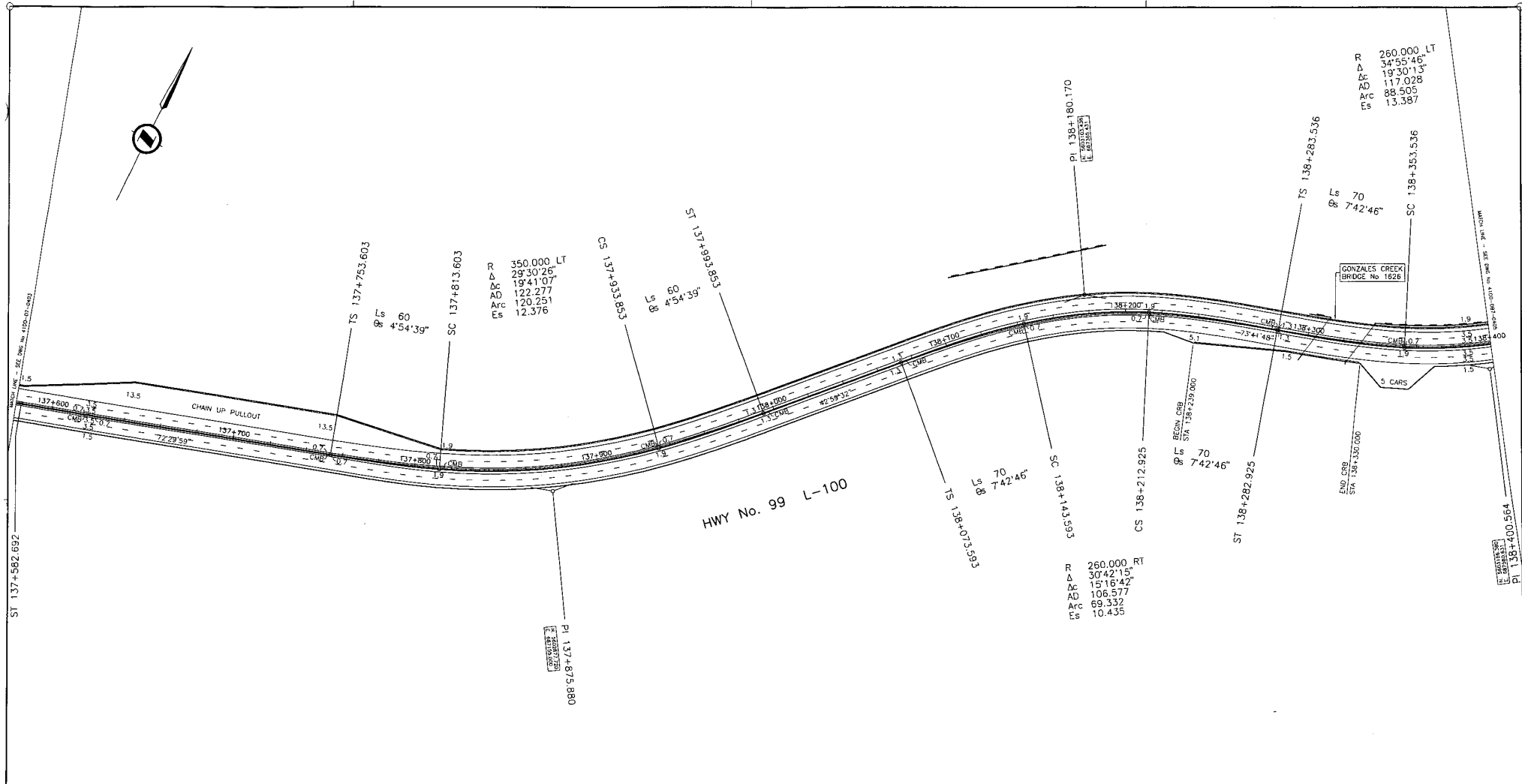
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		FA		ISSUED FOR REVIEW	
		FB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: Hatch Mott MacDonald
 Design Consultant: ISL Infrastructure Systems Ltd.
 FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB07-0403 PC

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOAN DATE: JUL 04
 CHECKED: S. HARR DATE: NOV 04
 DRAWN: P. JUNEJA DATE: SEP 04
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 137+580 TO STA 138+400

DWG. No.	Description	Rev	Date	Description	Signature
		PA		ISSUED FOR REVIEW	
		PB	05/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

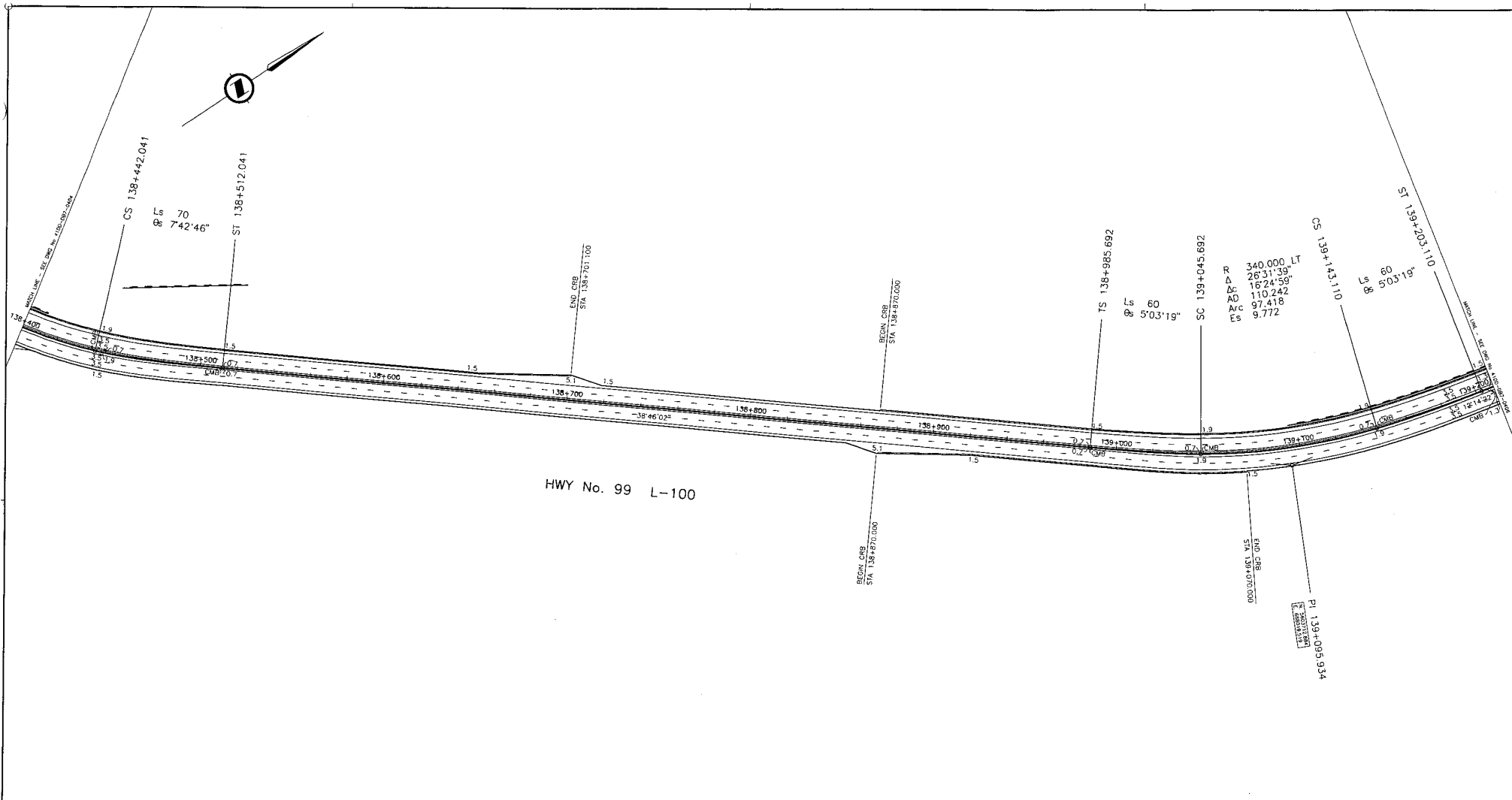
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER

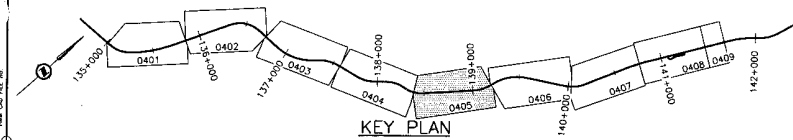
FILE No: 214753-EN10-H PROJECT No: 09901-ST53 REGION: 1 DRAWING No: 41DD-DB07-0404 PC

CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

DESIGN SPEED 80 km/h
 ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED



KEY PLAN

DWG. No.	Description	Rev	Date	Description	Signature
		PA	04/11/25	ISSUED FOR REVIEW	
		PB	04/11/25	RE-ISSUED FOR REVIEW	
		PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J. SLOW DATE: JUL 04
 CHECKED: S. LARR DATE: NOV 04
 DRAWN: P. JUNEY DATE: SEP 04
 APPROVED: DATE:

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

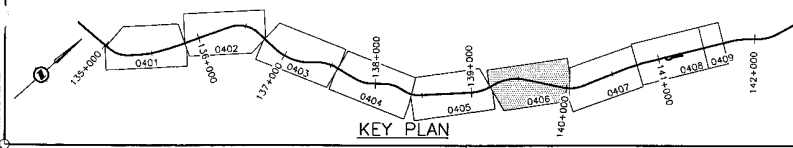
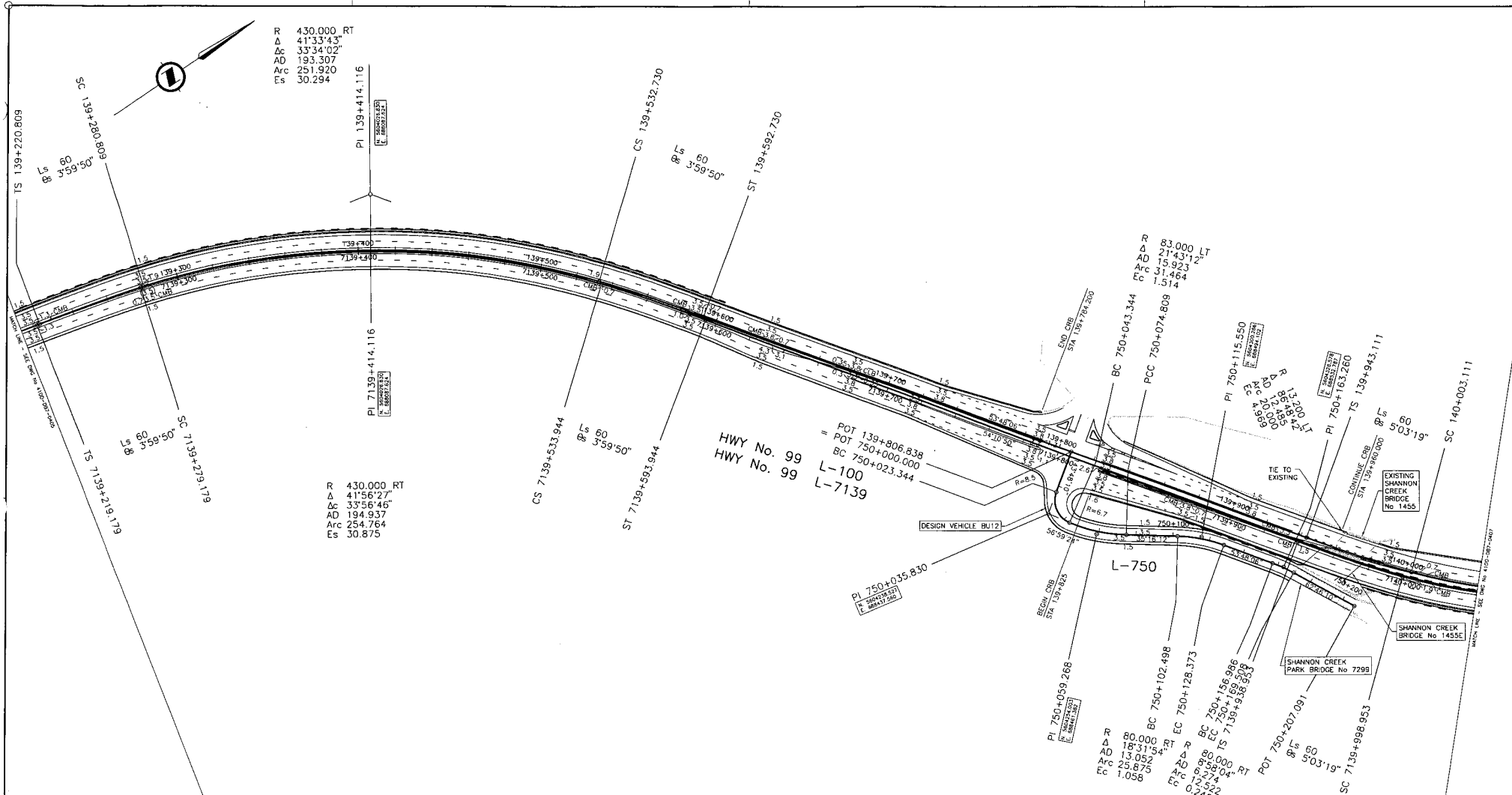
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 138+400 TO STA 139+210

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE No: 214753-EN10-H PROJECT No: 09901-STSS3 REGION: 1 DRAWING No: 41DD-DB07-0405 PC

CANCEL: PRINTS BEARING PREVIOUS LETTER



L-100 DESIGN SPEED 80 km/h
L-750 DESIGN SPEED 30 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DWG. No.	Description	Rev.	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	04/11/25 RE-ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

Rev.	Date	Description	Signature
1		ISSUED FOR REVIEW	
2		RE-ISSUED FOR REVIEW	
3		ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANDING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
STA 139+210 TO STA 140+040

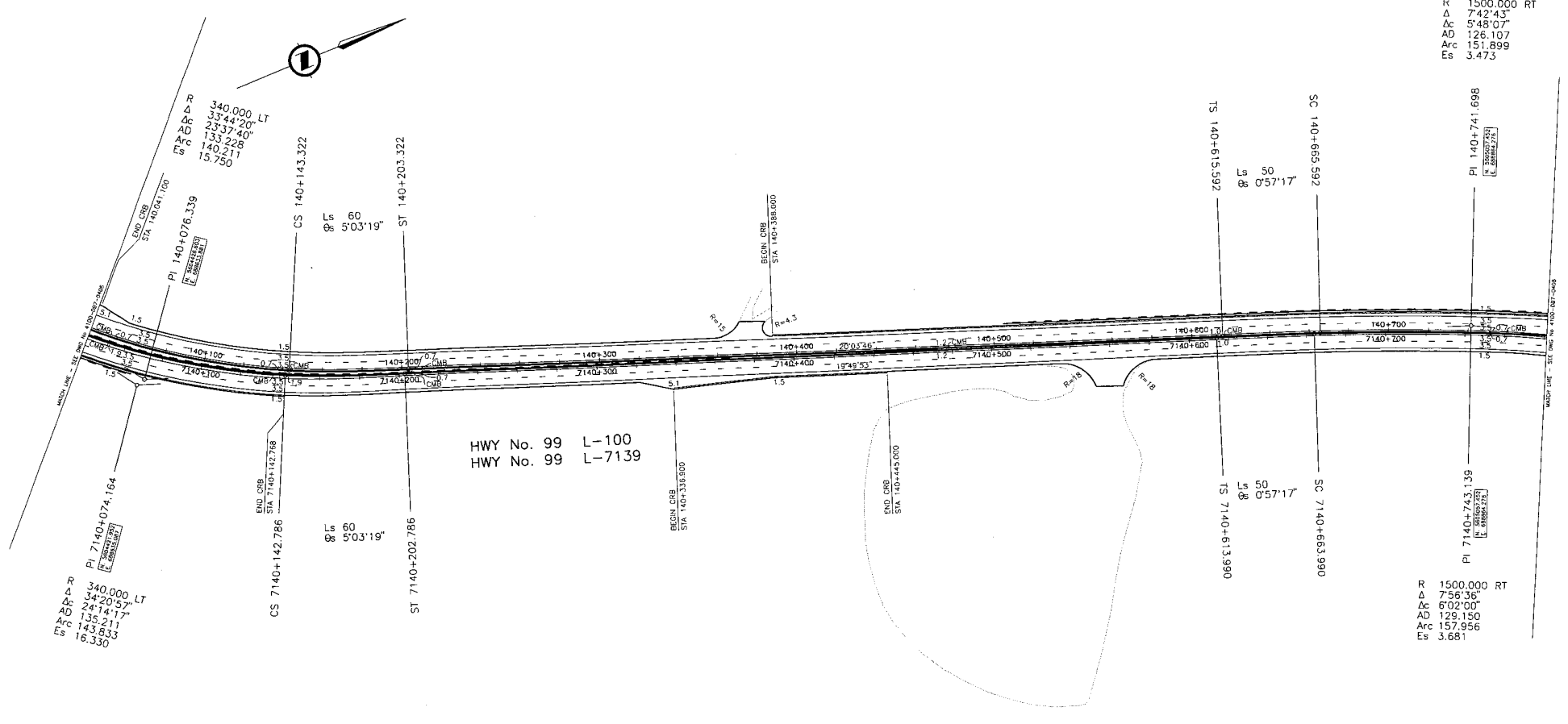
Project Managers	Design Consultant	PROJECT UNDER THE DIRECTION OF
Hatch Mott MacDonal	ISL Infrastructure Systems Ltd.	SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-H	PROJECT No. 09901-ST53	REGION 1
		DRAWING No. 41DD-DB07-0406 PC

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

R 1500.000 RT
 Δ 742'43"
 Δc 5'48'07"
 AD 126.107
 Arc 151.899
 Es 3.473



HWY No. 99 L-100
 HWY No. 99 L-7139

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

S2S TRANSPORTATION GROUP

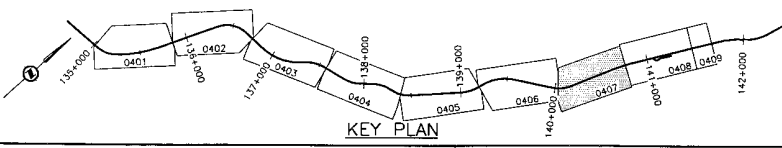
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DESIGNED J. SLOAN DATE JUN 04
 CHECKED S. FARR DATE NOV 04
 DRAWN P. JAVAY DATE SEP 04
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LAYOUT

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 140+040 TO STA 140+780



DWG. No.	Description	Rev	Date	Description	Signature
PA	ISSUED FOR REVIEW				
PB	34/11/25 REC. ISSUED FOR REVIEW				
PC	05/01/10 ISSUED FOR PROPOSAL SUBMISSION				

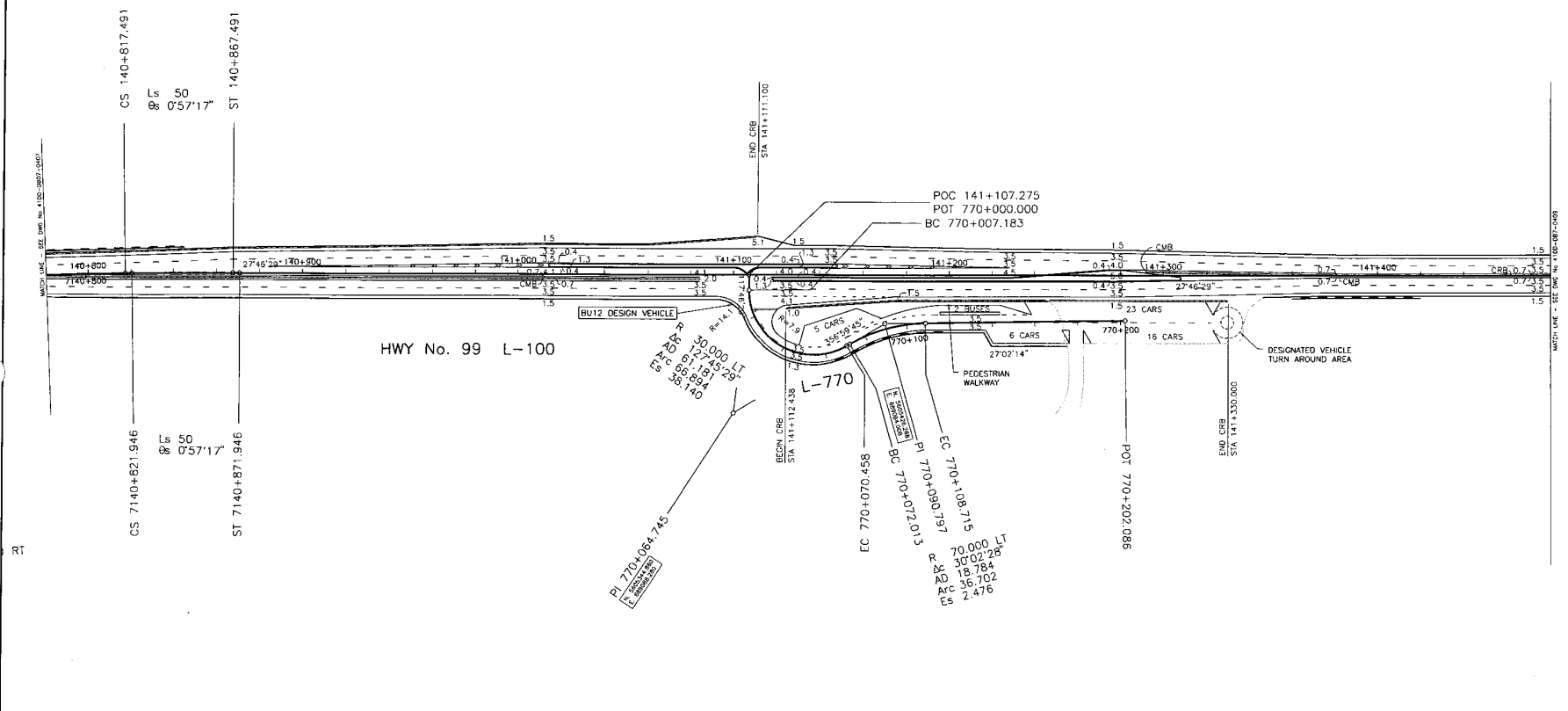
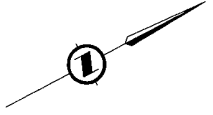
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **ISL Infrastructure Systems Ltd.**

FILE No. 214753-EN10-H PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB07-0407 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



L-100 DESIGN SPEED 80 km/h

L-770 DESIGN SPEED 30 km/h

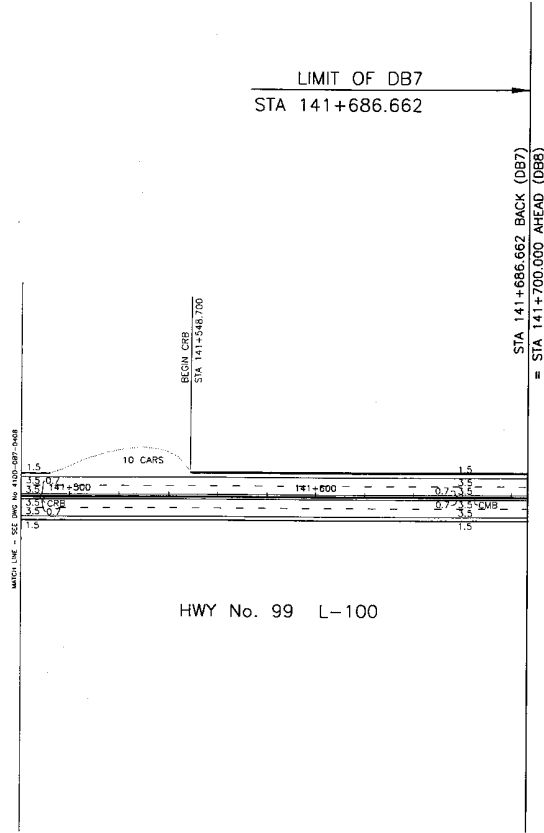
ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DWG. No.	Description	Rev.	Date	Description	Signature
PA				ISSUED FOR REVIEW	
PB			04/11/25	RE-ISSUED FOR REVIEW	
PC			05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

		DESIGNED: J. SLOAN CHECKED: S. TARR DRAWN: P. JANEV APPROVED: _____ DATE: _____	DATE: JUL 04 DATE: NOV 04 DATE: SEP 04 DATE: _____
SCALE 0 1:1000 50			
REFERENCE DRAWINGS		REVISIONS	

		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING			
DB7 - MURRIN PARK TO SOUTH STAWAMUS STA 140+780 TO STA 141+480			
Project Managers 		Design Consultant 	
FILE No. 214753-EN10-H		PROJECT No. 09901-ST53	
REGION 1		DRAWING No. 41DD-DB07-0408 PC	
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER			

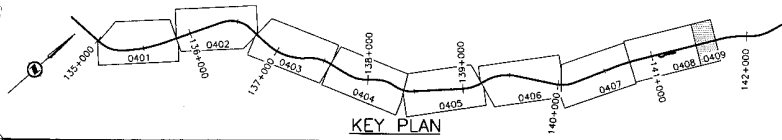
CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

DESIGN SPEED 80 km/h

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED



KEY PLAN

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA		ISSUED FOR REVIEW	
FB	04/11/25	RE-ISSUED FOR REVIEW	
PC	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: Z. SLOAN DATE: JUL 04
 CHECKED: S. TARR DATE: NOV 04
 DRAWN: H. JANEV DATE: SEP 04
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB7 - MURRIN PARK TO SOUTH STAWAMUS
 STA 141+480 TO STA 141+686.662

Project Managers: Hatch Mott MacDonald | Design Consultant: ISL Infrastructure Systems Ltd.

PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-H | PROJECT No. 09901-ST53 | REGION 1 | DRAWING No. 41DD-DB07-0409 | DATE: _____

CANCEL PRINTS BEARING PREVIOUS LETTER

DRAWING INDEX

4100-DB08-0001	KEY MAP AND TITLE
4100-DB08-0103 to 4100-DB08-0130, -0133	PLANS
4100-DB08-0202 to 4100-DB08-0220, -0222 to -0228	PROFILES
4100-DB08-0301 to 4100-DB08-0304	TYPICAL AND CULVERT SECTIONS
4100-DB08-0403 to 4100-DB08-0430, -0433	GEOMETRICS AND LANING
4200-DB08-0101 to 4200-DB08-0102	STAWAMUS RIVER BRIDGE
4200-DB08-0201	VALLEY DRIVE PEDESTRIAN BRIDGE
4200-DB08-0301 to 4200-DB08-0302	MAMQUAM BLIND CHANNEL BRIDGE
4200-DB08-0401	MAMQUAM RIVER PEDESTRIAN OVERPASS
4200-DB08-0501 to 4200-DB08-0502	MAMQUAM RIVER BRIDGE
4200-DB08-0601 to 4200-DB08-0602	GARIBALDI PEDESTRIAN OVERPASS



PROJECT No: 09901-ST53

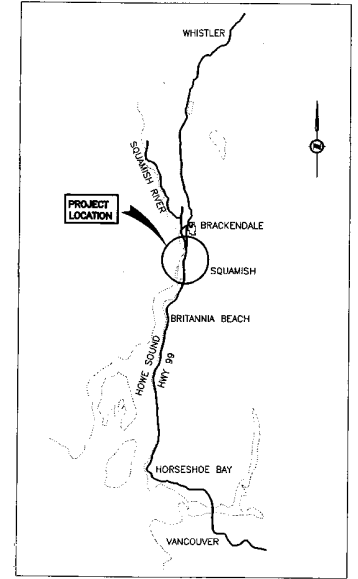
Section DB8

South Stawamus to Depot Road

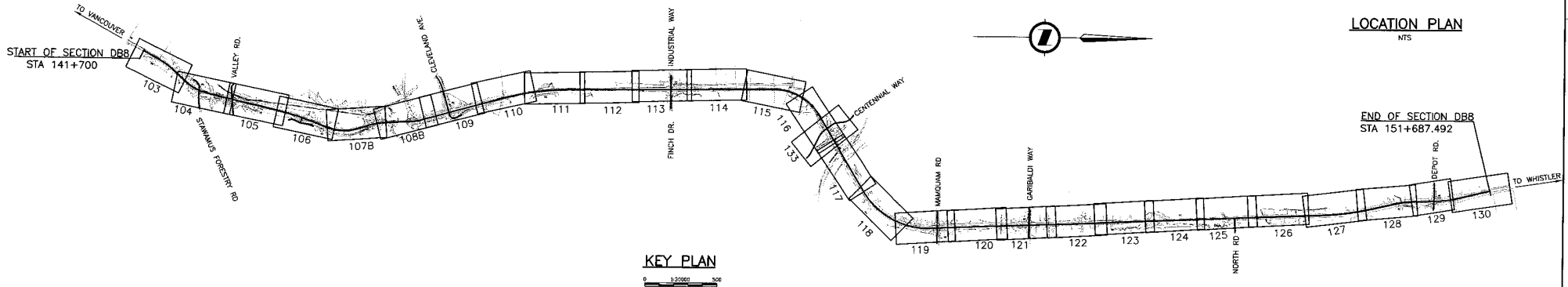
URBAN SQUAMISH

STA 141+700 TO STA 151+687.492

10.0 km



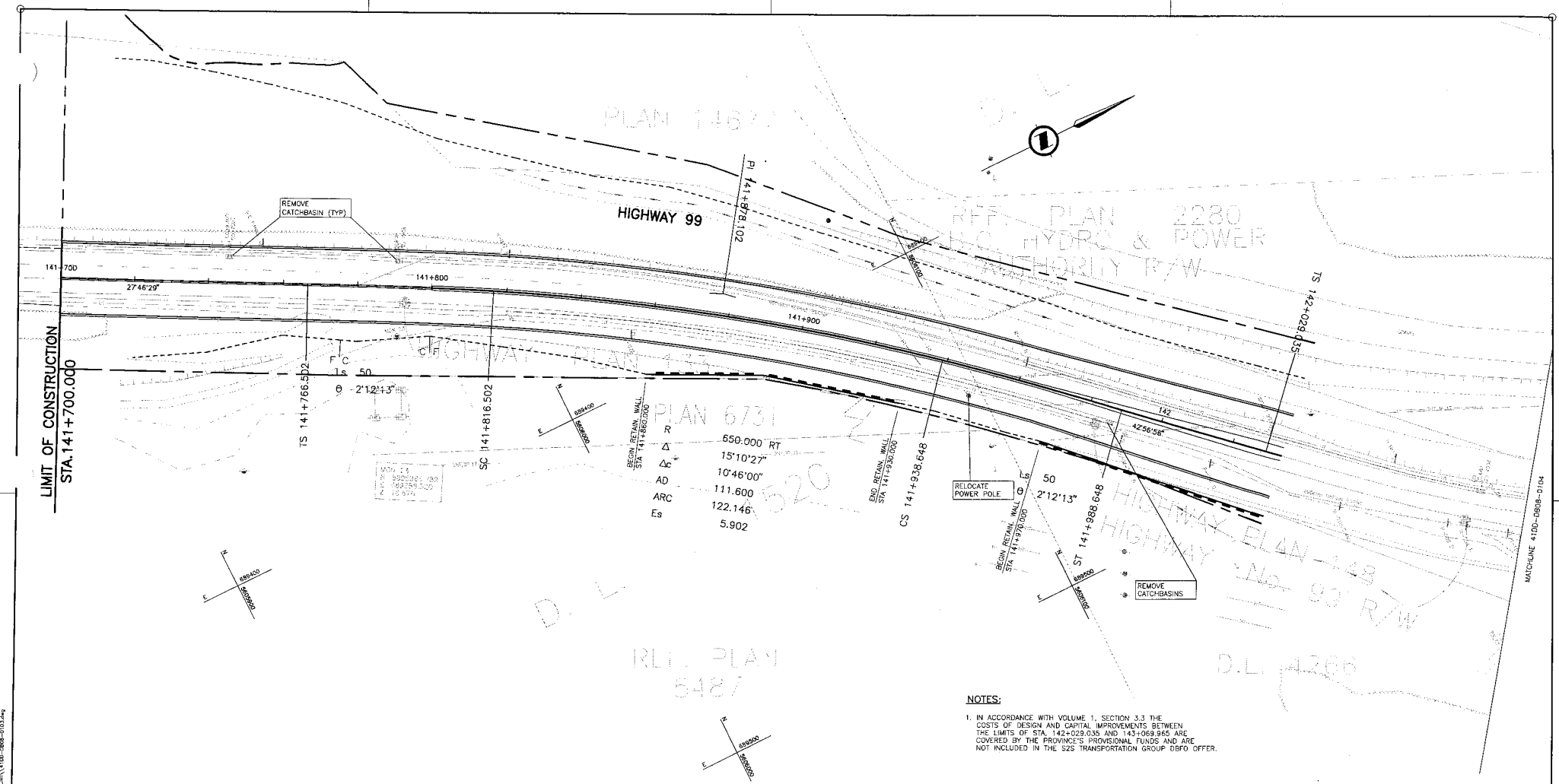
LOCATION PLAN
NTS



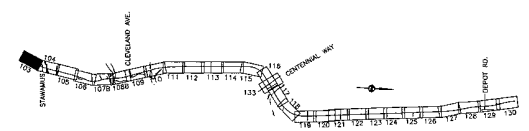
KEY PLAN
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	DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____		<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>																																																
	SCALE AS SHOWN			<p>DBFO - HORSESHOE BAY TO WHISTLER KEY MAP & TITLE</p> <p>DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH</p>																																															
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature																									<table border="1"> <tr> <td>Project Manager</td> <td>Design Consultant</td> <td>PREPARED UNDER THE DIRECTION OF</td> </tr> <tr> <td> Hatch Mott MacDonald</td> <td> NDLEA</td> <td>SENIOR DESIGN ENGINEER</td> </tr> <tr> <td>FILE No.</td> <td>PROJECT No.</td> <td>REGION</td> </tr> <tr> <td>214753-EN10-N</td> <td>09901-ST53</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>DRAWING No.</td> </tr> <tr> <td></td> <td></td> <td>4100-DB08-0001 PC</td> </tr> </table>		Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF	Hatch Mott MacDonald	NDLEA	SENIOR DESIGN ENGINEER	FILE No.	PROJECT No.	REGION	214753-EN10-N	09901-ST53	1			DRAWING No.			4100-DB08-0001 PC
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Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF																																																	
Hatch Mott MacDonald	NDLEA	SENIOR DESIGN ENGINEER																																																	
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214753-EN10-N	09901-ST53	1																																																	
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		4100-DB08-0001 PC																																																	
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See to Sky Drawing/09901 - ST53 - DB8 - Key Map & Title - 09901-ST53-DB8-0001.dwg
 Date: 2004/01/22
 Author: J. MacDonald
 Plot: 2004/01/22



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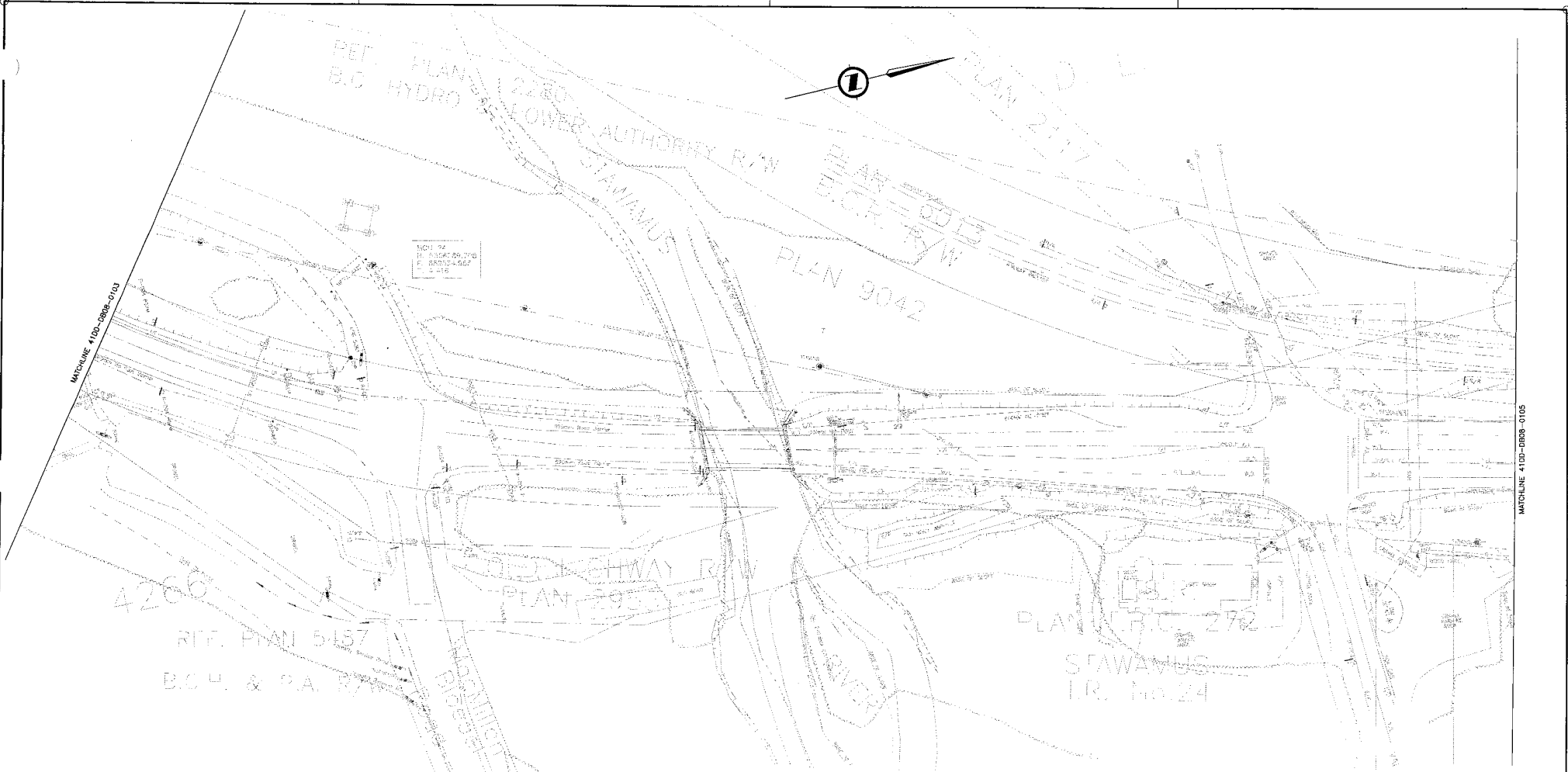
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DWG. No.	Description	Rev	Date	Description	Signature

		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER PLAN STA. 141+700 TO STA. 142+100 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Managers 		Design Consultant 	
FILE NO. 214753-EN10-N		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING NO. 09901-ST53 1 41DD-DB08-0103 PC	

REFERENCE DRAWINGS

REVISIONS



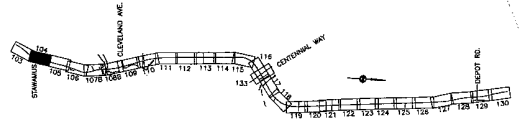
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MATCHLINE 41DD-DB08-0105

NO. 92
H. HOSKOT RVT/PG
C. BENTON/ASGP
C. 2/15

NOTES:

1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+089.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.



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		APPROVED _____ DATE _____	
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PE	2008/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2008/10/26	ISSUED FOR PROPOSAL SUBMISSION	

		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
		DBFO - HORSESHOE BAY TO WHISTLER PLAN STA. 142+100 TO STA. 142+475 DB8 - SOUTH STAWANUS TO DEPOT ROAD URBAN SQUAMISH	
Project Managers		Design Consultant	PREPARED UNDER THE DIRECTION OF
FILE No. 214753-EN10-N		PROJECT No. 09901-ST53	REGION 1
		REGION 1	DRAWING No. 41DD-DB08-0104

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature

REVISIONS

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D.L. 4267
 C.L.S.R.
 PLAN U.B.C. 1549
 STAWAVUS
 U.K. No.24



PLAN 14258

PLAN 4184

B.C.R. P/W

HIGHWAY PLAN 148

REF. PLAN 2280

REF. PLAN 5487

PLAN 19335

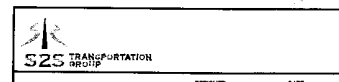
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MATCHLINE 41DD-DB08-0106

PLAN 17066
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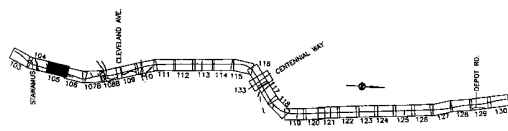
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MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 142+475 TO STA. 142+860
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH



DWG. No.	Description	Rev	Date	Description	Signature

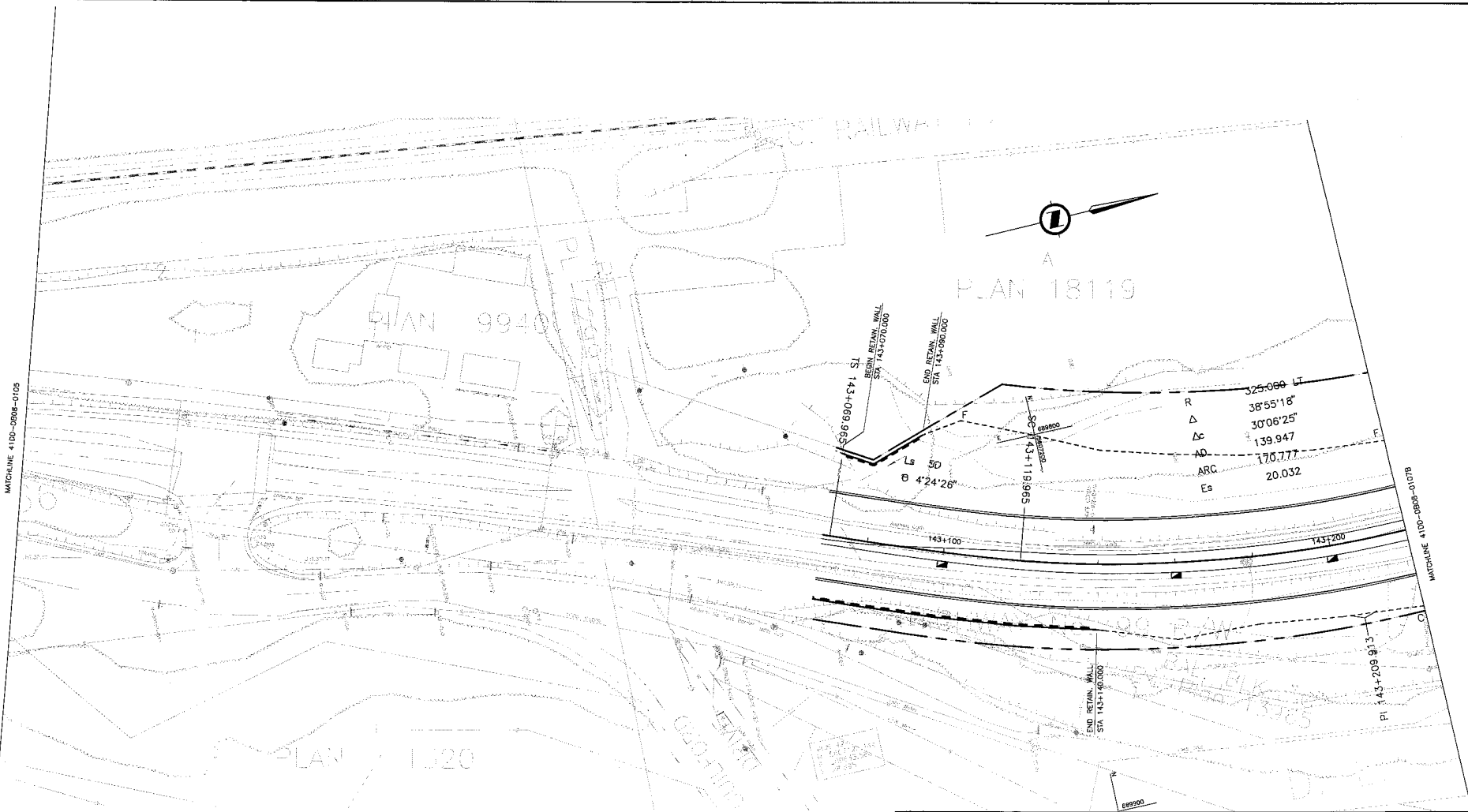
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REVISIONS

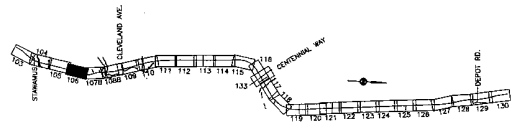
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NDLA**
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 PROJECT No. 09901-ST53
 REGION 1
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MATCHLINE 41DD-DB08-0105

MATCHLINE 41DD-DB08-0107B



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1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+025.025 AND 143+069.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 142+860 TO STA. 143+220
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature
PC	2006/01/10			ISSUED FOR PROPOSAL SUBMISSION	
PB	2006/01/27			ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/06			ISSUED FOR PROPOSAL SUBMISSION	

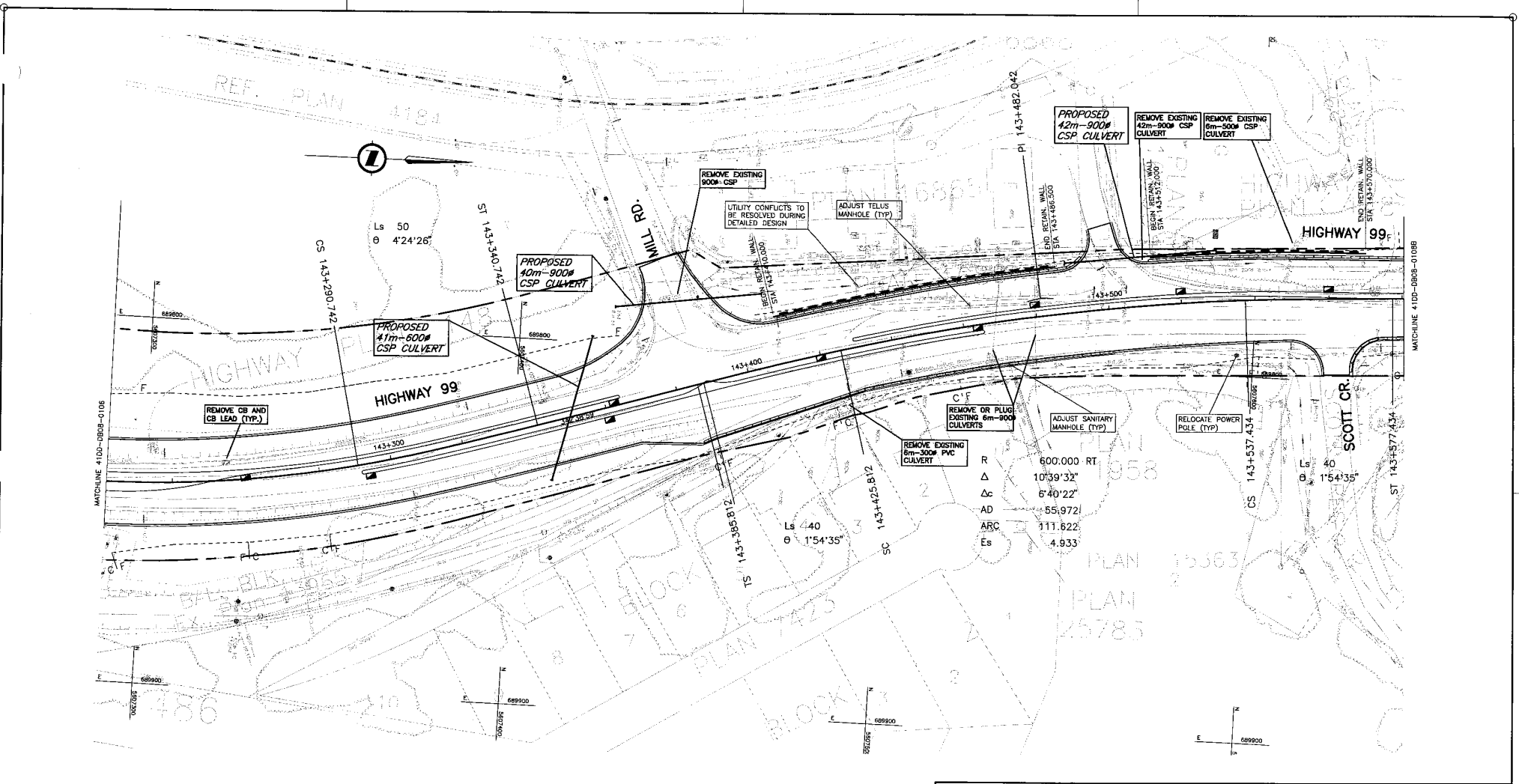
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. **214753-EN10-N** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB08-0106 PC**

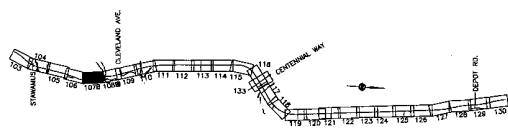
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DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

DESIGNED	DATE	CHECKED	DATE	APPROVED	DATE

REVISED FOR PROPOSAL SUBMISSION
 REVISED FOR PROPOSAL SUBMISSION
 REVISED FOR PROPOSAL SUBMISSION

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 143+220 TO STA. 143+580
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

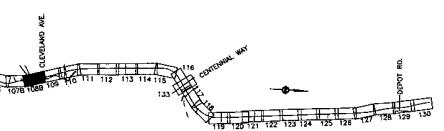
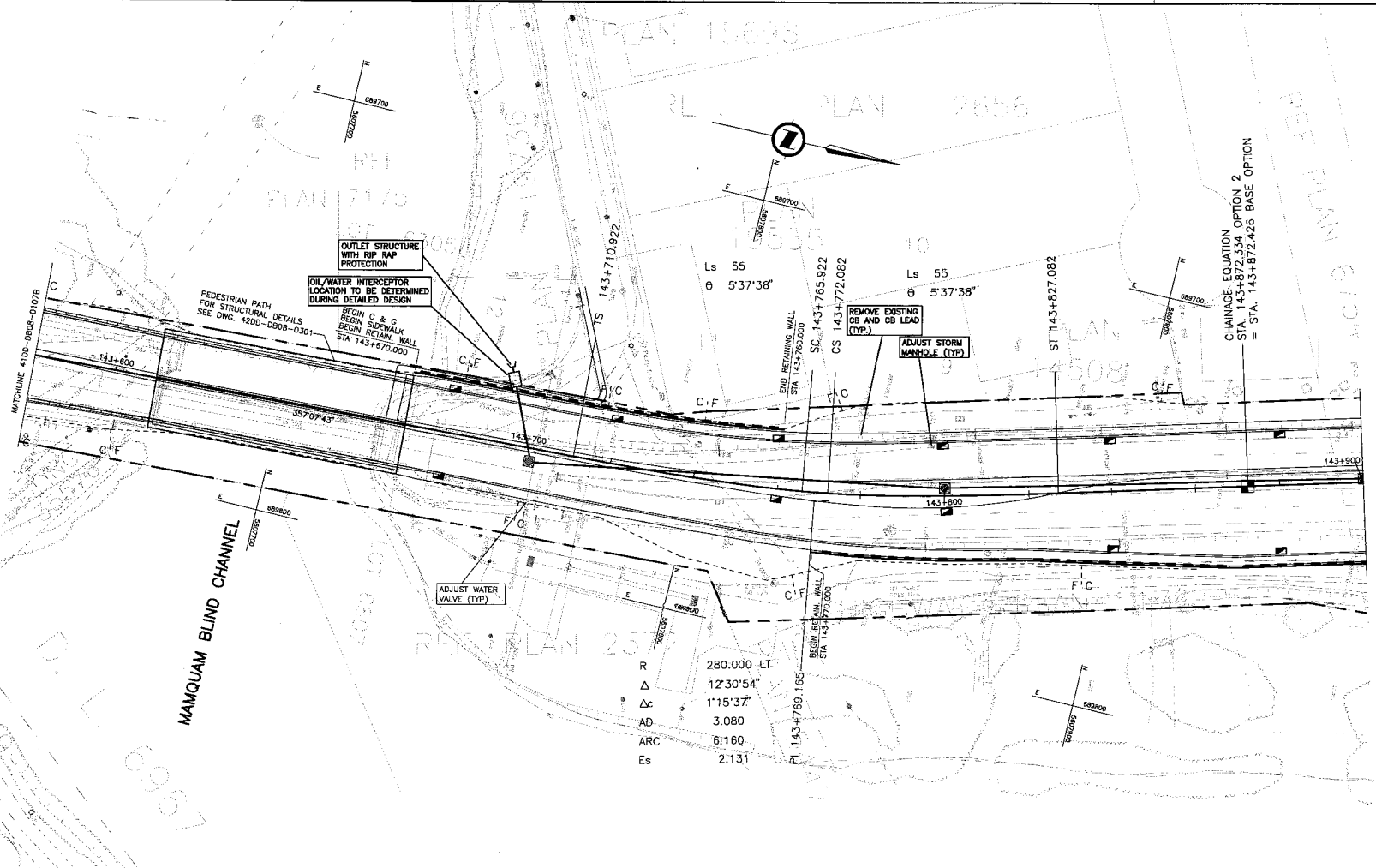
PREPARED UNDER THE DIRECTION OF

214753-EN10-N

PROJECT No. 09901-ST53

REGION 1

DRAWING No. 41DD-DB08-0107B/PC



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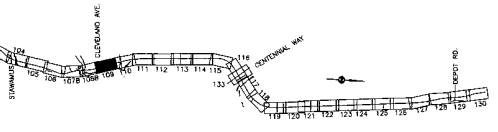
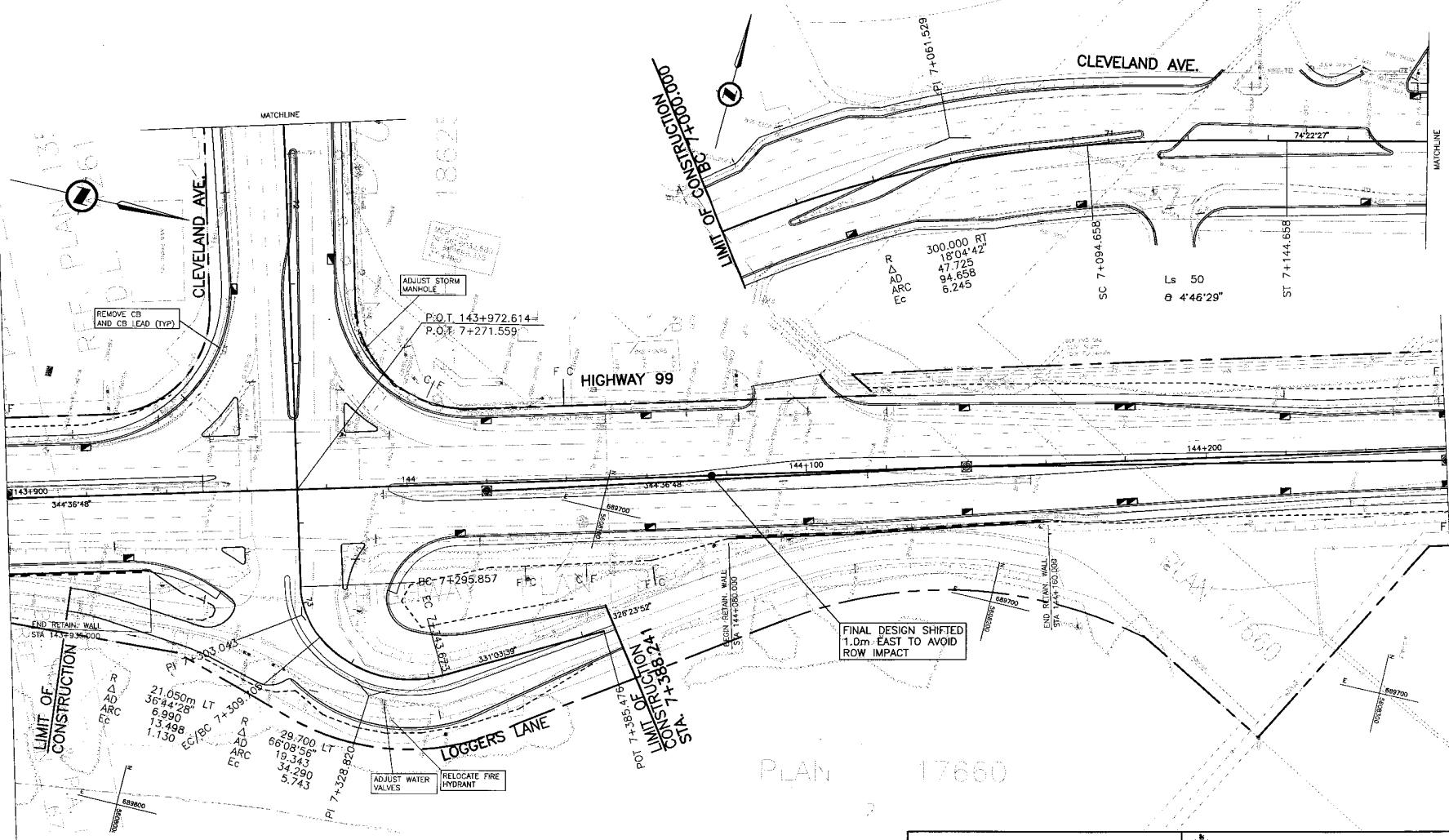
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DBFO – HORSESHOE BAY TO WHISTLER PLAN STA. 143+580 TO STA. 143+900 DBB – SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Manager Hatch Mott MacDonald		Design Consultant NDLEA	
FILE No. 214753-EN10-N		PROJECT No. 09901-ST53	
REGION 1		DRAWING No. 4100-DB08-0108BPC	

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PLAN 17660

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PD	2015/11/12	ISSUED FOR PROPOSAL SUBMISSION	
PA	2016/10/18	ISSUED FOR PROPOSAL SUBMISSION	

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER

 PLAN

 STA. 143+900 TO STA. 144+260

 DBB – SOUTH STAWAMUS TO DEPOT ROAD

 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald

 Design Consultant: NDLEA

PREPARED UNDER THE DIRECTION OF:

 SENIOR DESIGN ENGINEER

FILE NO: 214753-EN10-N

 PROJECT NO: 09901-ST53

 RECORD: 1

 DRAWING NO: 41DD-DB08-0109 PC

DWG. No.	Description

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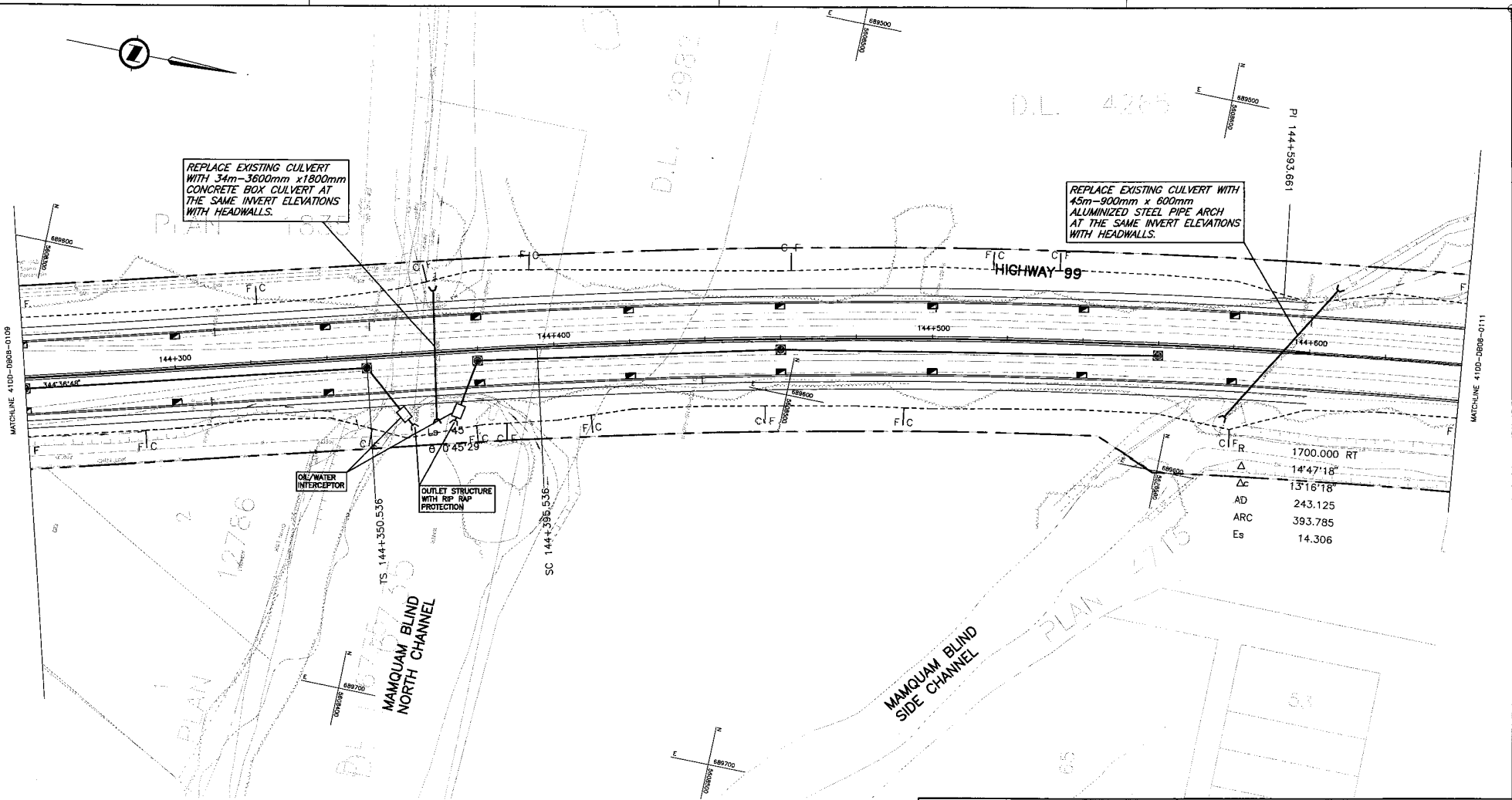
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REVISIONS

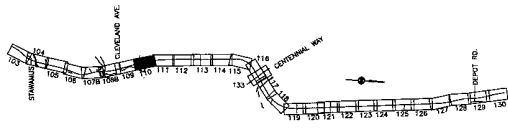
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REPLACE EXISTING CULVERT WITH 45m-900mm x 900mm ALUMINIZED STEEL PIPE ARCH AT THE SAME INVERT ELEVATIONS WITH HEADWALLS.



C/F R	1700.000 RT
Δ	14'47'18"
AD	13'16'18"
ARC	243.125
Es	393.785
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 SRS TRANSPORTATION	
SCALE 0 1:500 25	DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____
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PD 2024/11/22	ISSUED FOR PROPOSAL SUBMISSION
PA 2024/10/26	ISSUED FOR PROPOSAL SUBMISSION

 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT		
DBFO - HORSESHOE BAY TO WHISTLER PLAN STA. 144+260 TO STA. 144+640 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH		
Project Managers Hatch Mott MacDonald	Design Consultant NDLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1
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DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

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D.L. 4265

PLAN 4715

PLAN 15390

HIGHWAY PLAN 98

MAMQUAM BLIND SIDE CHANNEL

HIGHWAY 99

MATCHLINE 41DD-DB08-0110

MATCHLINE 41DD-DB08-0112

PLAN 4715

PLAN 15390

PLAN 4765

52

27

26


1




52

27

26

Rev	Date	Description	Signature
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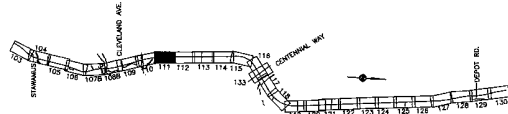

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 144+640 TO STA. 145+000
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers:  Hatch Mott MacDonald
 Design Consultant:  NDLEA
 PREPARED UNDER THE DIRECTION OF:  SENOR DESIGN ENGINEER

FILE No. **214753-EN10-N** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB08-0111 | PC**

DWG. No.	Description
	REFERENCE DRAWINGS

Rev	Date	Description	Signature
		REVISIONS	



See file: SR\Urban\Urban - DBB - 0111.dwg

PLAN
18954

REL. PLAN
31177

PLAN
22384



EX. PLAN 20163

S.R.W. PLAN 98

HWA No. 99 HIGHWAY 99

MATCHLINE 410D-DB08-0111

MATCHLINE 410D-DB08-0113

145+000 145+200 145+300

760

4/38

SZS TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 145+000 TO STA. 145+380
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Rev	Date	Description	Signature
PC	06/26/10	ISSUED FOR PROPOSAL SUBMISSION	
PD	08/11/10	ISSUED FOR PROPOSAL SUBMISSION	
PA	09/16/10	ISSUED FOR PROPOSAL SUBMISSION	

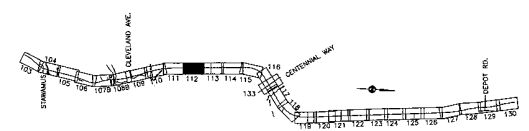
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0112 PC

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS



Site: S:\UrbanPlan\SRM - CIV\1400-0000-0112.dwg
 DWG: 214753-EN10-N - REF - 0
 DATE: 10/20/10

PLAN
20132
REV. 96

PROPOSED
3m-2400x1500
CONCRETE BOX
CULVERT EXTENSIONS

PROPOSED
3m-2400x1500
CONCRETE BOX
CULVERT EXTENSIONS

LIMIT OF CONSTRUCTION
STA. 8+020.000

LIMIT OF CONSTRUCTION
STA. 8+222.734

HIGHWAY 99

HIGHWAY 99

INDUSTRIAL WAY

FINCH DR

P.O.T 145+528.935=
P.O.T 8+116.599

145+400

359'24"07

145+500

145+600

145+700

359'24"07

PLAN 4376

UMP 51641



MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 145+380 TO STA. 145+740
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

SCALE 0 1:500 25
DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

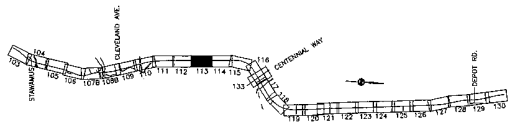
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PE	2006/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/02/08	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	NDLEA	SENIOR DESIGN ENGINEER
FILE No.	PROJECT No.	REGION
214753-EN10-N	09901-ST53	1
		DRAWING No.
		41DD-DB08-0113 PC

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS



MATCHLINE 41DD-DB08-0112

MATCHLINE 41DD-DB08-0114

See to Sky (Drawing) - REV - 01

119
IMP 565

40
PLAN 18954



PLAN 22902

HWY PLAN 98

HIGHWAY 99

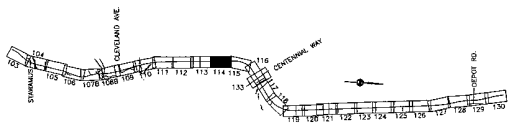
PROPOSED
27m-600#
CSP CULVERT

REV. L 1/2 S.C. 3

PLAN 14031

MATCHLINE 41DD-DB08-0113

MATCHLINE 41DD-DB08-0115



SCALE 0 1:500 25
 DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 145+740 TO STA. 146+120
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers Hatch Mott MacDonald	Design Consultant NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1
		DRAWING No. 41DD-DB08-0114 PC

REFERENCE DRAWINGS

REVISIONS

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 User: j.mccall
 Date: 2009/07/22



PLAN 18954

PLAN 22831

PLAN 13957

HIGHWAY 99

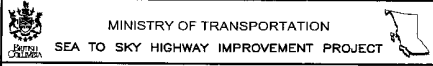
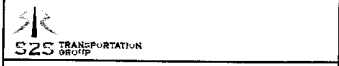
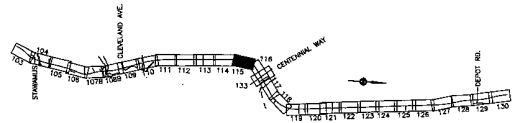
REPLACE EXISTING
CULVERT WITH
35m-600#
CSP CULVERT

PROPOSED 600# CSP
CULVERT EXTENSIONS
6m LEFT, 5m RIGHT

REL. E 1/2 SEC. 3
PLAN 14031

PLAN 1895

PLAN 14255



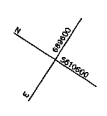
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CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 146+120 TO STA. 146+500
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature
PC 08/09/16	ISSUED FOR PROPOSAL SUBMISSION				
PB 09/11/16	ISSUED FOR PROPOSAL SUBMISSION				
PA 09/15/16	ISSUED FOR PROPOSAL SUBMISSION				
REFERENCE DRAWINGS			REVISIONS		

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **NLEA**
PREPARED UNDER THE DIRECTION OF:
SENIOR DESIGN ENGINEER
DATE
FILE No.: **214753-EN10-N**
PROJECT No.: **09901-ST53**
REGION: **1**
DRAWING No.: **41DD-DB08-0115 PC**

See to Sky\Drawings\DBB - CMA\1410-DB08-0115.dwg



PROPOSED 600Ø CSP
CULVERT EXTENSIONS
1.3m LEFT, 3m RIGHT

PROPOSED
32m-600Ø
CSP CULVERT

PROPOSED
3.3m-600Ø
CSP CULVERT

PLAN 3857

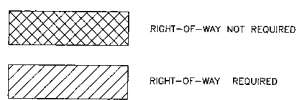
PLAN 19496

PLAN 14255

REF PLAN 864

HIGHWAY 99

HIGHWAY 99



Rev	Date	Description	Signature
PC	09/27/19	ISSUED FOR PROPOSAL SUBMISSION	
PD	09/11/21	ISSUED FOR PROPOSAL SUBMISSION	
PA	02/19/24	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 146+500 TO STA. 146+880
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

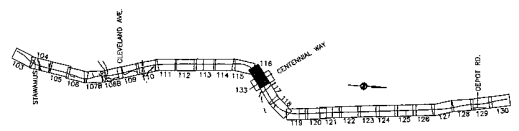
Project Managers: **Hatch Mott MacDonald**
Design Consultant: **NLEA**

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER
DATE

FILE NO: **214753-EN10-N** PROJECT NO: **09901-ST53** REGION: **1** DRAWING NO: **41DD-DB08-0116 PC**

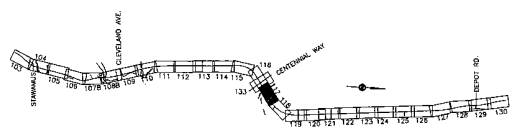
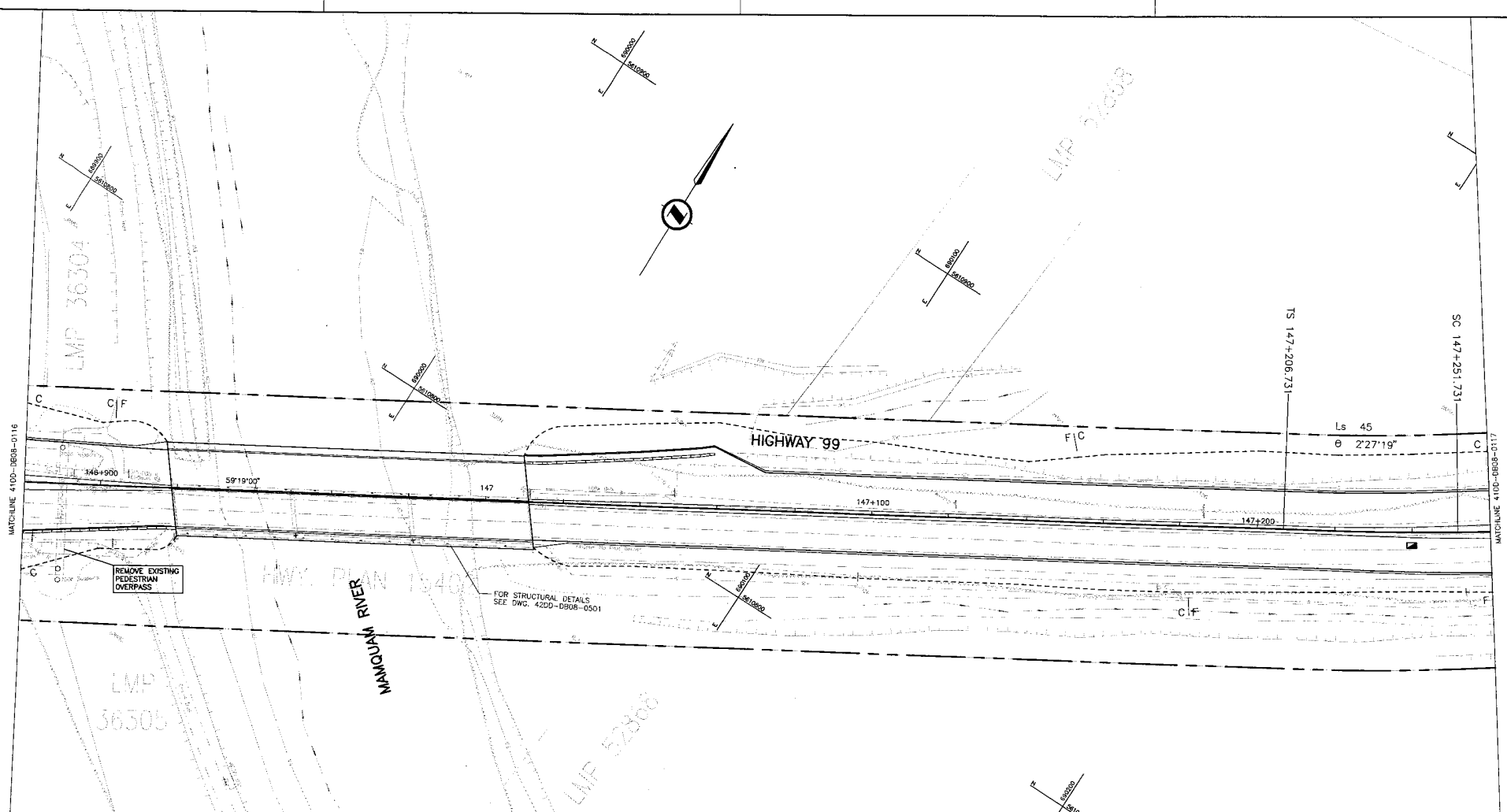
REFERENCE DRAWINGS

REVISIONS



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DWG: 19/09/2019 10:14 AM - WPT - 2F

See H:\04\0404\0404 - BPT - DB - C:\Users\jacob\Documents\0404 - DB\147+206-731.dwg



SCALE 0 1:500 25 DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN STA. 146+880 TO STA. 147+260 DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH																																					
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature																									<table border="1"> <tr> <td> Project Managers </td> <td> Design Consultant </td> <td> PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ </td> </tr> <tr> <td> FILE No. 214753-EN10-N </td> <td> PROJECT No. 09901-ST53 </td> <td> REGION 1 </td> </tr> </table>		Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____	FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1
DWG. No.	Description	Rev	Date	Description	Signature																																		
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____																																					
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1																																					
REFERENCE DRAWINGS		REVISIONS																																					

PC

LOT 2
PLAN 13367

PLAN 12475

EX. PLAN 11837

MASHITER CREEK
SPAWNING CHANNEL

HIGHWAY 99

REPLACE EXISTING CULVERT WITH
47m-1800mm x 1800mm BOX
CULVERT. INVERT ELEVATION
6.5m, ZERO GRADIENT

REMOVE EXISTING
4m-300# CSP
CULVERT

RETAINING WALL
AND HEADWALL

OUTLET STRUCTURE
WITH RIP RAP
PROTECTION

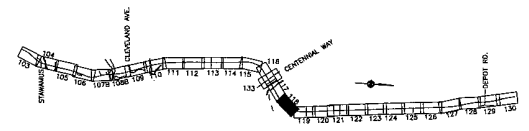
OIL/WATER
INTERCEPTOR

525.000 LT
61°38'40"
56°44'02"
335.837
519.852
86.535

MATCHLINE #100-DB08-0117

MATCHLINE #100-DB08-0117

PI 141+542.506
P. 141+543.530



S2S TRANSPORTATION
REG-719

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 147+260 TO STA. 147+620
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

OWG. No.	Description	Rev.	Date	Description	Signature

Project Managers
Hatch Mott MacDonald

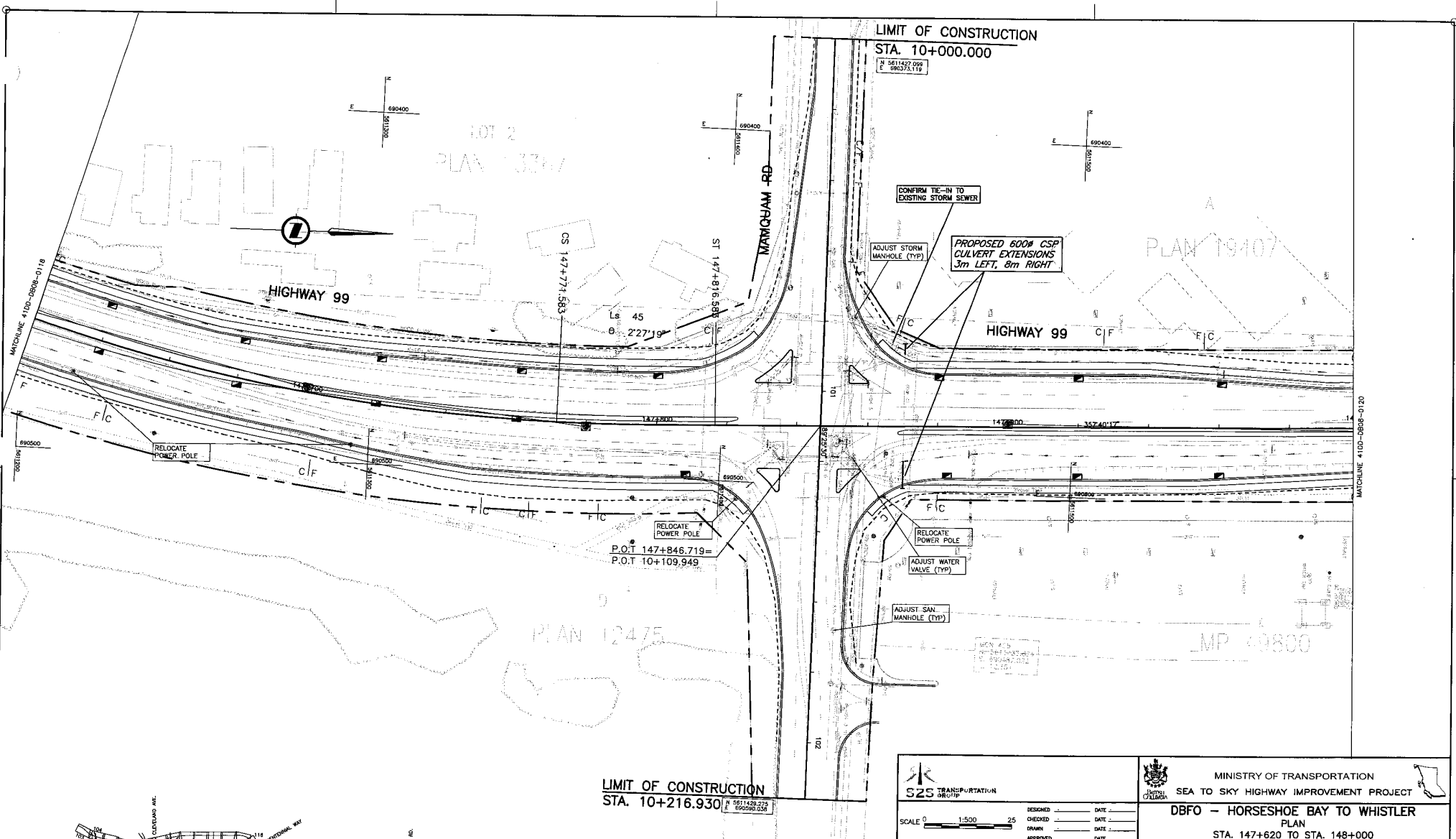
Design Consultant
NLEA

FILE No. **214753-EN10-N** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB08-0118 PC**

REFERENCE DRAWINGS

REVISIONS

DBFO - HORSESHOE BAY TO WHISTLER - DB8 - SOUTH STAWAMUS TO DEPOT ROAD - PLAN 147+260 TO 147+620 - 41DD-DB08-0118.PC
 2014-05-14 10:14:14 - 878 - 5077 - See to sky/transportation - DB8 - SOUTH STAWAMUS TO DEPOT ROAD - PLAN 147+260 TO 147+620 - 41DD-DB08-0118.PC
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S2S TRANSPORTATION GROUP

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

SCALE 0 1:500 25

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 147+620 TO STA. 148+000
DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

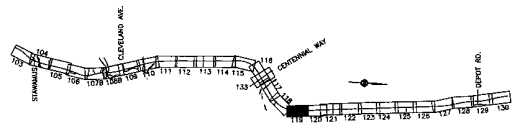
Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA
 PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____

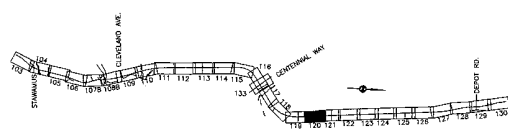
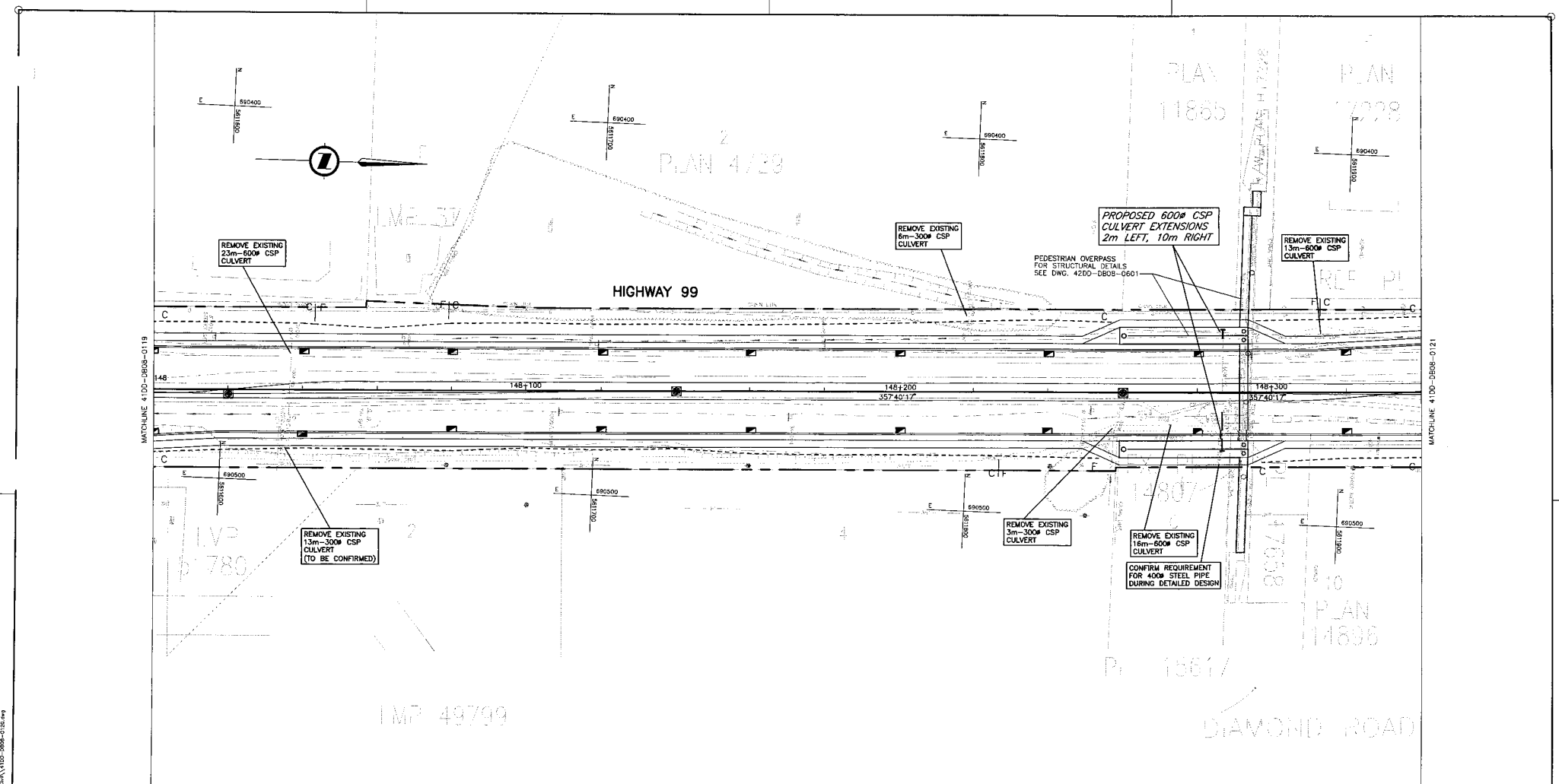
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 REGION: 1
 DRAWING NO.: 41DD-DB08-0119 PC

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS _____
 REVISIONS _____

See to Sky (Drawing) - 99 - E
 Date: 10/10/09
 Scale: 1:500





DWG. No.	Description	Rev	Date	Description	Signature

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

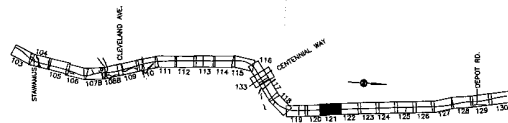
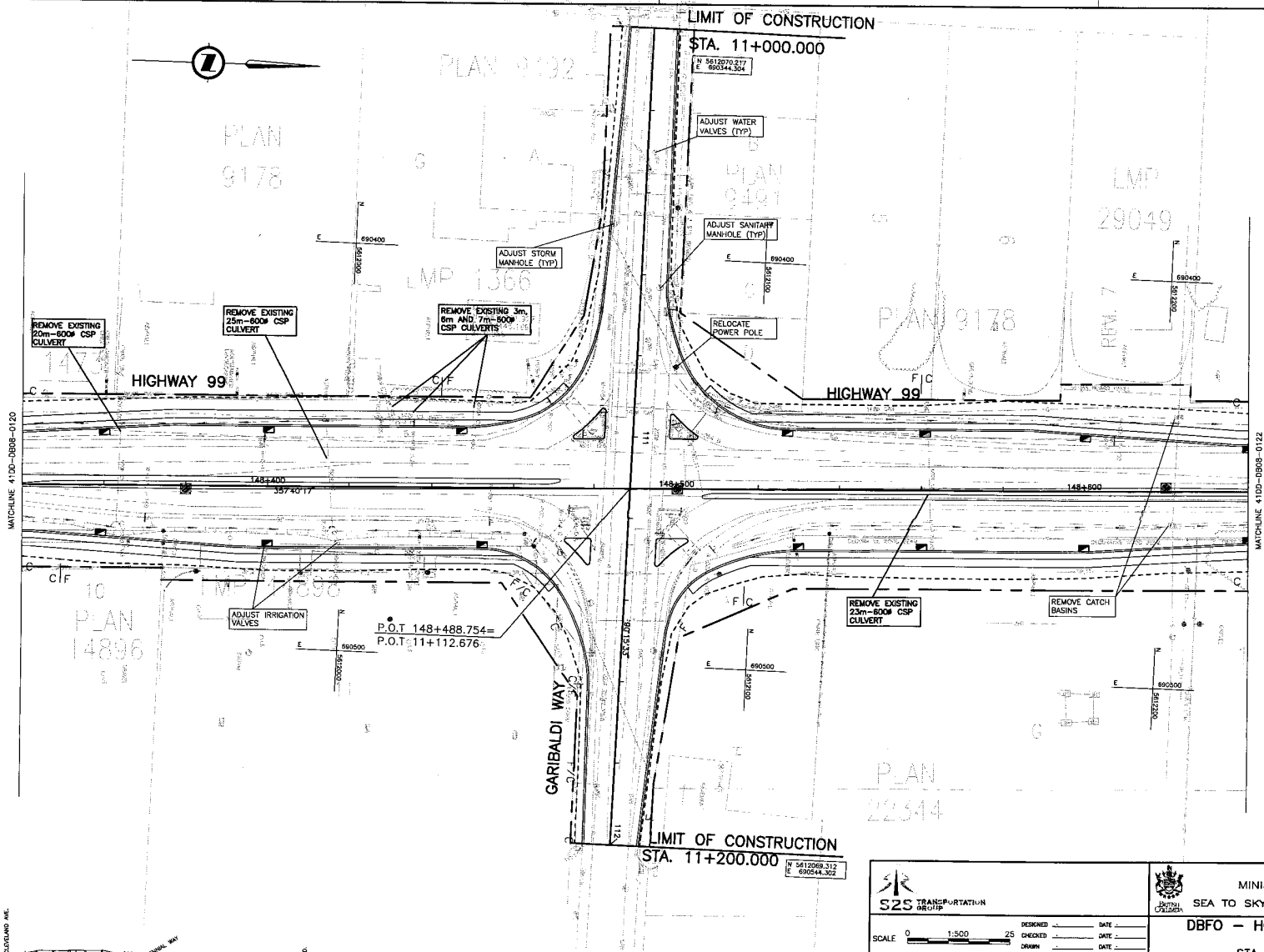
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 148+000 TO STA. 148+340
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Hatch Mott MacDonald

FILE No. **214753-EN10-N**
PROJECT No. **09901-ST53**
REGION **1**
DRAWING No. **41DD-DB08-0120 PC**

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 User: jw0114



LIMIT OF CONSTRUCTION
STA. 11+000.000

LIMIT OF CONSTRUCTION
STA. 11+200.000

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 148+340 TO STA. 148+640
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLA
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

DWG. No.	Description	Rev	Date	Description	Signature

FILE NO. 214753-EN10-N	PROJECT NO. 09901-ST53	REVISION 1	DRAWING NO. 410D-DB8B-0121 PC
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REFERENCE DRAWINGS REVISIONS

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 DATE: 10/10/09
 DRAWN BY: J. [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

PLAN 10168



R 4000.000' LT
 Δ 0°59'24"
 AD 34.561
 ARC 69.119
 Es 0.149

REMOVE EXISTING
 22m-800# CSP
 CULVERT

REMOVE EXISTING
 3m-800# CSP
 CULVERT

OIL/WATER
 INTERCEPTOR

OUTLET STRUCTURE
 WITH RIP RAP
 PROTECTION

HIGHWAY 99

EX. PLAN LV7 29037
 LVP 7519

MATCHLINE 4100-DB08-0121

MATCHLINE 4100-DB08-0123

PLAN 0640

REF. SFC. 11
 P 50
 PLAN 2242

PLAN 1415

REMOVE EXISTING
 4m-800# CSP
 CULVERTS

PROPOSED 600# CSP
 CULVERT EXTENSIONS
 3m LEFT, 6m RIGHT

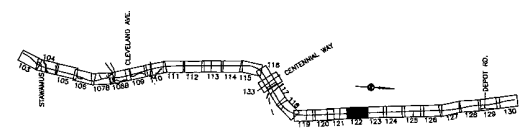
PROPOSED 4m-600# CSP
 CULVERT EXTENSION

PLAN 2308

PLAN 1215

PLAN 1915

REF PLAN 5201



 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:500 25		DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	
DWG. No. _____ Description _____		Rev Date Description Signature	
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PB 2006/11/20 ISSUED FOR PROPOSAL SUBMISSION		_____	
PA 2006/10/26 ISSUED FOR PROPOSAL SUBMISSION		_____	
REFERENCE DRAWINGS		REVISIONS	

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 148+640 TO STA. 149+000
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____
 PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB08-0122 PC

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 100%

REF. PLAN 808

PLAN 13082

MEIGHAN CREEK
SIDE CHANNEL

HIGHWAY 99

PROPOSED 600# CSP
CULVERT EXTENSIONS
4m LEFT, 5m RIGHT

RETAINING WALL
AND HEADWALL

REF. PLAN 2827

REF. PLAN 5362

EX. PLAN LMP 29037
LMP / 519

Pl 149+047.823

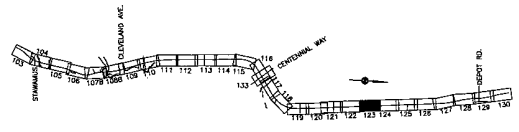
EC 149+082.397

R 4000.000 RT
Δ 0°59'25"
AD 34.577
ARC 69.151
Es 0.149

BC 149+013.246

PLAN 2300

PLAN 5201



 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0	1:500	25	
DESIGNED	DATE	CHECKED	DATE
DRAWN	DATE	APPROVED	DATE

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 STA. 149+000 TO STA. 149+360
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NSLEA

PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB08-0123 PC

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

MATCHLINE 4100-DB08-0122

MATCHLINE 4100-DB08-0124

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 jmacdon

REF. PLAN 868

PLAN 21601

MEIGHAN CREEK

PROPOSED 600M CSP
CULVERT EXTENSIONS
5m LEFT, 3m RIGHT

HIGHWAY 99

RETAINING WALL
AND HEADWALL

RETAINING WALL
AND HEADWALL

REF. PLAN 2023

REF. PLAN 2023

PLAN RC4573

PLAN BC4573

THUNDERBOLT CREEK

REF. PLAN 5362

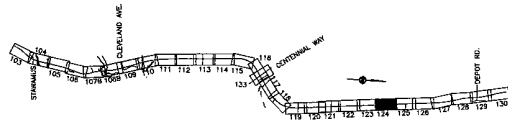
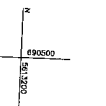
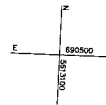
REF. PLAN 5362

ROAD

ROAD

MATCHLINE 41DD-DB08-0123

MATCHLINE 41DD-DB08-0125



 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:500 25		DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	
Rev	Date	Description	Signature
PC	02/26/18	ISSUED FOR PROPOSAL SUBMISSION	
PR	02/26/18	ISSUED FOR PROPOSAL SUBMISSION	
PA	02/26/18	ISSUED FOR PROPOSAL SUBMISSION	

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
 STA. 149+360 TO STA. 149+720
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____
 PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0124 PC

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature

REVISIONS

C:\Users\jmacdon\OneDrive - SR\Documents\Projects\SEA TO SKY\41DD-DB08-0124.dwg



PLAN 21601

NEWPORT CREEK

PLAN 21601

PROPOSED 37m-1800mm x 1200mm
CONCRETE BOX CULVERT
U/S INVERT 6.75m, D/S INVERT 6.70m

RETAINING WALL
AND HEADWALL

HIGHWAY 99

HIGHWAY 99

F|C

C

149+800
357'40"19"

149+900

150

MATCHLINE 41DD-DB08-0124

MATCHLINE 41DD-DB08-0126

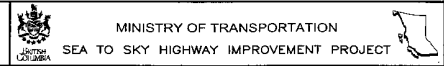
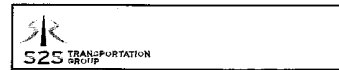
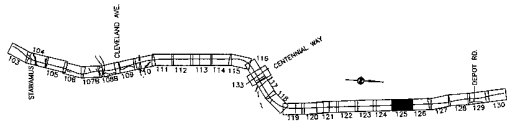
F|C

C

NORTH RD
(FUTURE)

REM. N1/2 & S1/2
SEC. 14

REF. PLAN 5382



SCALE 0 1:500 25
DESIGNED _____ DATE _____
CREATED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 149+720 TO STA. 150+080
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

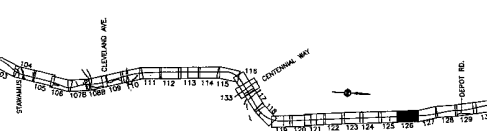
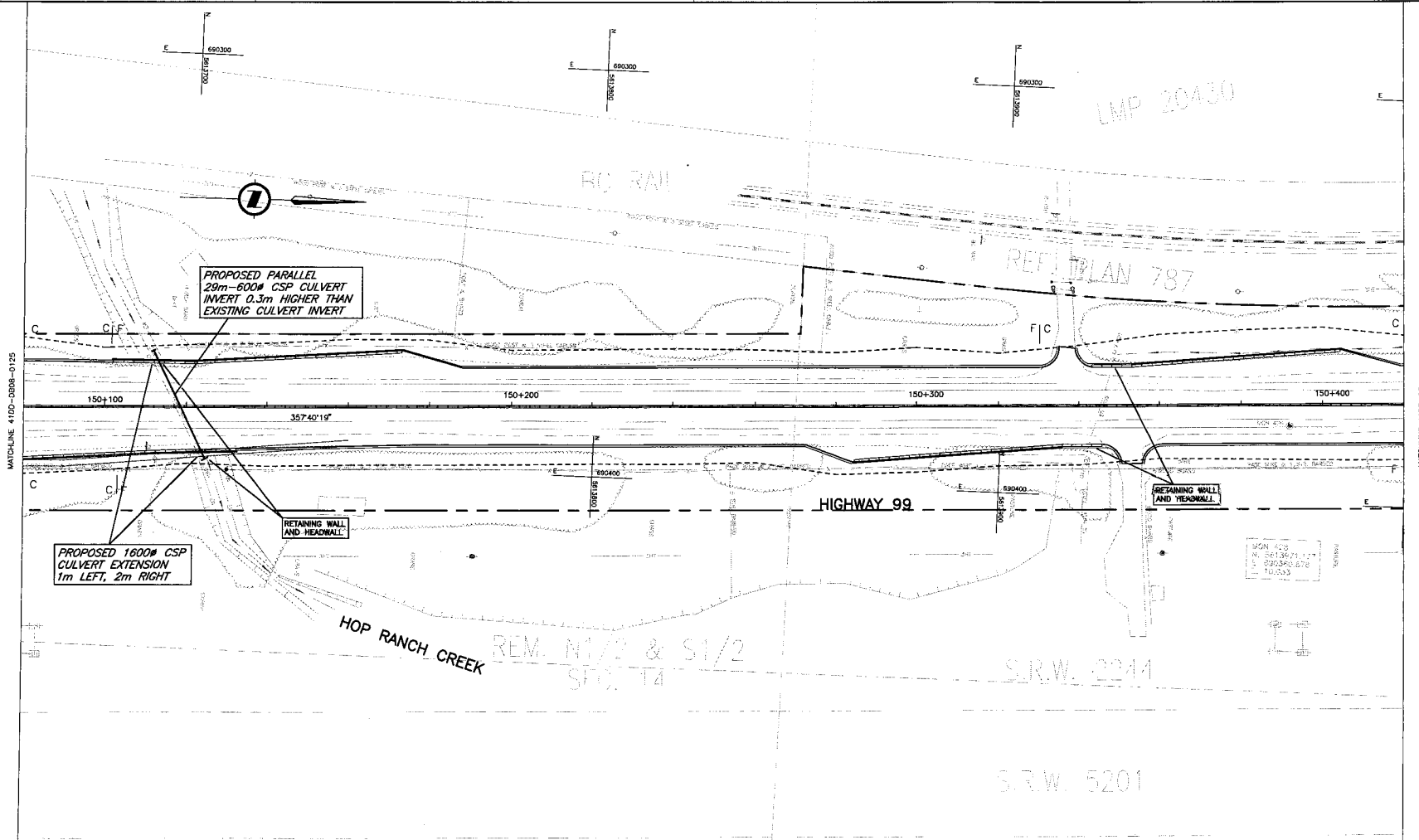
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PC 2005/01/16	ISSUED FOR PROPOSAL SUBMISSION				
PE 2006/11/22	ISSUED FOR PROPOSAL SUBMISSION				
PA 2006/10/08	ISSUED FOR PROPOSAL SUBMISSION				

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **NLEA**
FILE No. 214753-EN10-N
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB08-0125 PC

REFERENCE DRAWINGS

REVISIONS

C:\NA\2004\1 - rev - 525 - Sea to Sky\Drawings\Sub - CHA\1100-0908-0125.dwg DATE: 10/08/06



	DESIGNED	DATE
	CHECKED	DATE
SCALE 0 1:500 25	DRAWN	DATE
	APPROVED	DATE
DWG. No. _____ Description _____ Rev _____ Date _____ Description _____ Signature _____	DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	REVISIONS FC 2006/01/18 ISSUED FOR PROPOSAL SUBMISSION FB 2006/11/22 ISSUED FOR PROPOSAL SUBMISSION FA 2006/10/06 ISSUED FOR PROPOSAL SUBMISSION

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 150+080 TO STA. 150+420
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ DRAWING No. _____
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB08-0126 PC

File: s:\150+080-420 - RFP - 02
 User: s2s\jmacdonald - 06/11/2006 10:58:03 AM
 LAYOUT: Layout1

LMP 20430

REM. 4
PLAN 1728

REL. PLAN 787

HIGHWAY 99

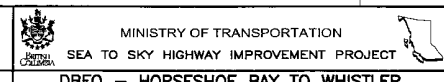
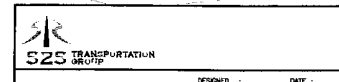
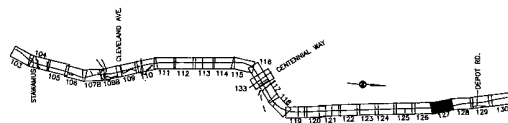
R 1600.000 LT
 Δ 10'25'55"
 Δc 8'49'14"
AD 168.567
ARC 246.318
Es 6.706

PROPOSED
1m-800# CSP
CULVERT EXTENSION

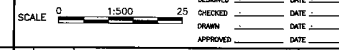
MATCHLINE 4100-DB08-0126

CS 150+788.523

MATCHLINE 4100-DB08-0128



DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 150+420 TO STA. 150+800
 DBS - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH



DWG. No.	Description	Rev	Date	Description	Signature

Project Managers Hatch Mott MacDonald	Design Consultant NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	DATE
	REGION 1	DRAWING No. 4100-DB08-0127 PC

REFERENCE DRAWINGS

REVISIONS

See to Sky/Highway/DB - CH/VA/DB-08-0127.dwg

N. 1/2 OF N.W. 1/4
SEC. 14 TP. 50

PLAN 1511

S.W. 1/4 SEC

RFM. A
PLAN 1728

PLAN 17025

PLAN 1984



HIGHWAY 99

DRYDEN CREEK

RETAINING WALL AND HEADWALL

RELOCATE HYDRO POLE

RELOCATE POWER POLE

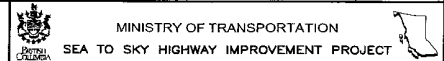
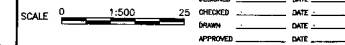
PROPOSED PARALLEL
25m-1200# CSP CULVERT
INVERT 0.3m HIGHER THAN
EXISTING CULVERT INVERT

700.890 RT
F1120'14"
7'39'14"
91.995
93.513
3.561

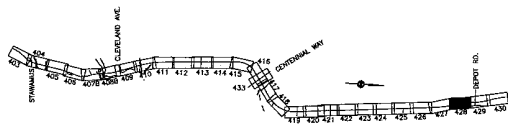
REM. 08
Ls 45
0'1'50'29"

PLAN 2241

PLAN 10105



DBFO - HORSESHOE BAY TO WHISTLER
PLAN
STA. 150+800 TO STA. 151+180
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH



DWG. No.	Description	Rev	Date	Description	Signature

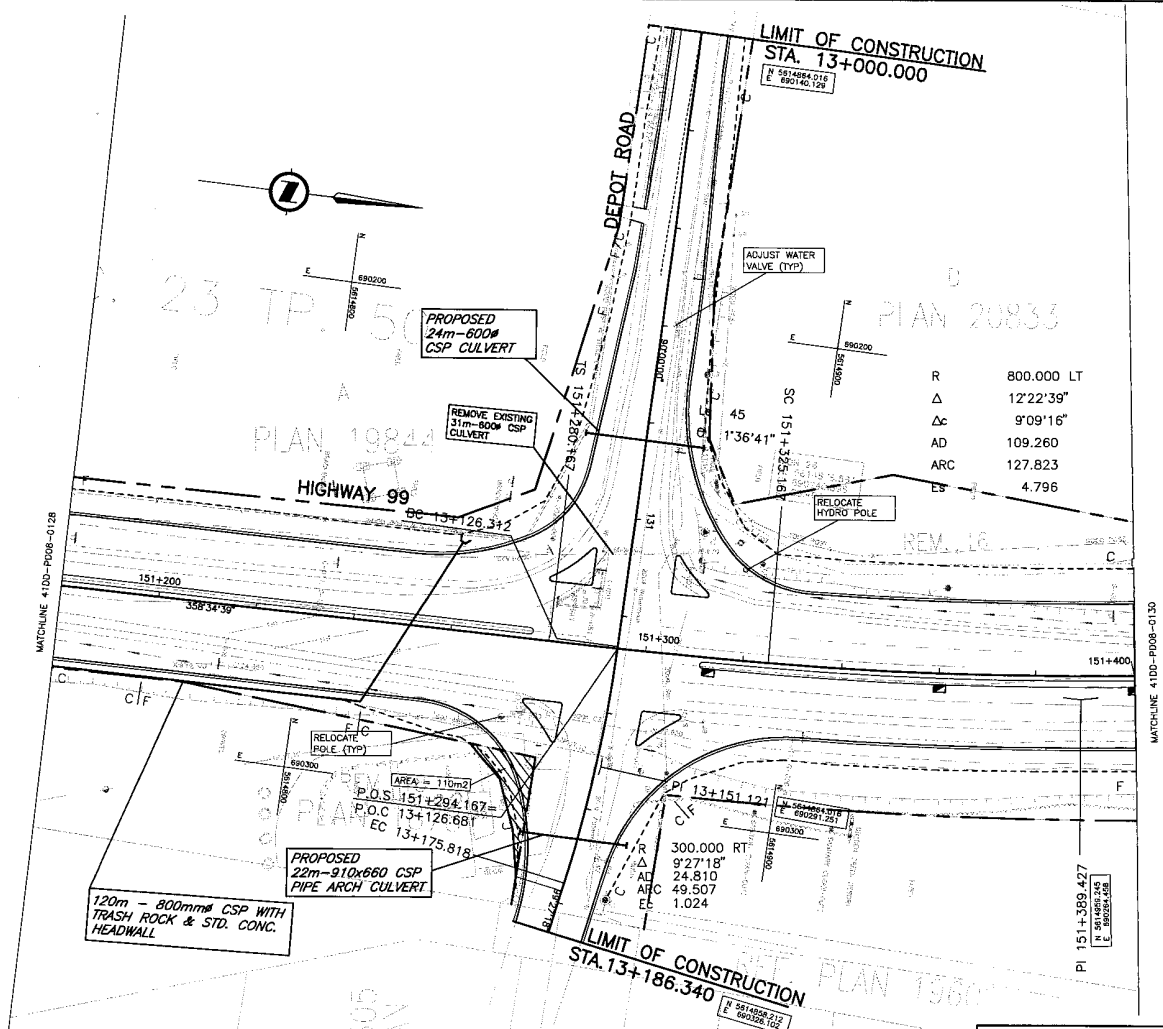
Project Managers 		Design Consultant 		PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	SECTION 1	DRAWING No. 41DD-DB08-0128	PC FC

REFERENCE DRAWINGS

REVISIONS

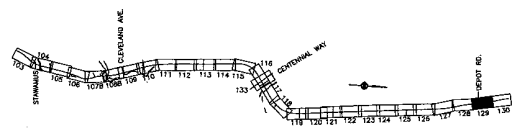
214753-EN10-N 09901-ST53 1 41DD-DB08-0128 FC

See to Sky Drawing 0128 - DBFO - EN10-DB08-0128.dwg
 PLOT FILE: 214753-EN10-DB08-0128.dwg
 PLOT: 214753-EN10-DB08-0128.dwg



R	800.000 LT
Δ	12'22'39"
Δc	9'09'16"
AD	109.260
ARC	127.823
ES	4.796

RIGHT-OF-WAY REQUIRED



DWG. No.	Description	Rev	Date	Description	Signature

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT		DBFO - HORSESHOE BAY TO WHISTLER	
PLAN		PLAN	
STA. 151+180 TO STA. 151+400		STA. 151+180 TO STA. 151+400	
DB8 - SOUTH STAWAMUS TO DEPOT ROAD		DB8 - SOUTH STAWAMUS TO DEPOT ROAD	
URBAN SQUAMISH		URBAN SQUAMISH	
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF	
		SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-N	09901-ST53	1	41DD-DB08-0129 PC

See to 304/090000/088 - CIVIL/1000-0908-0129-04



REF. PLAN 2813

REF. PLAN 3362

60m - 600mm CSP WITH TRASH ROCK & STD. CONC. HEADWALL

HIGHWAY 99

P 151+742.029

CS 151+452.990

ST 151+437.990

Ls 45
6 1'36"41"

590200

346'11"59"

151+600

151+700

S.R.W. E4522

MATCHLINE 41 DD-DB08-0128

151+400

151+500

Ls 45
90 1'38"40"

SC 151+677.527

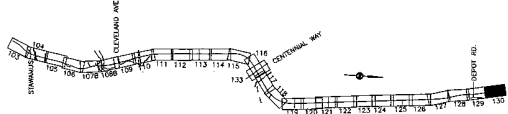
LIMIT OF CONSTRUCTION
STA. 151+687.492

R	20007.000 RT
Δ	5'08"33"
Δc	4'21"52"
AD1	109.503
AD2	87.967
ARC	152.356
Es	1.934

REF. A
PLAN 18925

PLAN 18925

REM. EASTERN RED CEDAR
N1/2 SW1/4 SEC. 23



SZS TRANSPORTATION GROUP

DESIGNED: _____ DATE: _____
 CHECKED: _____ DATE: _____
 DRAWN: _____ DATE: _____
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 STA. 151+400 TO STA. 151+687.492
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description

Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE: _____

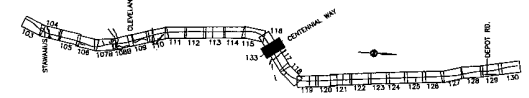
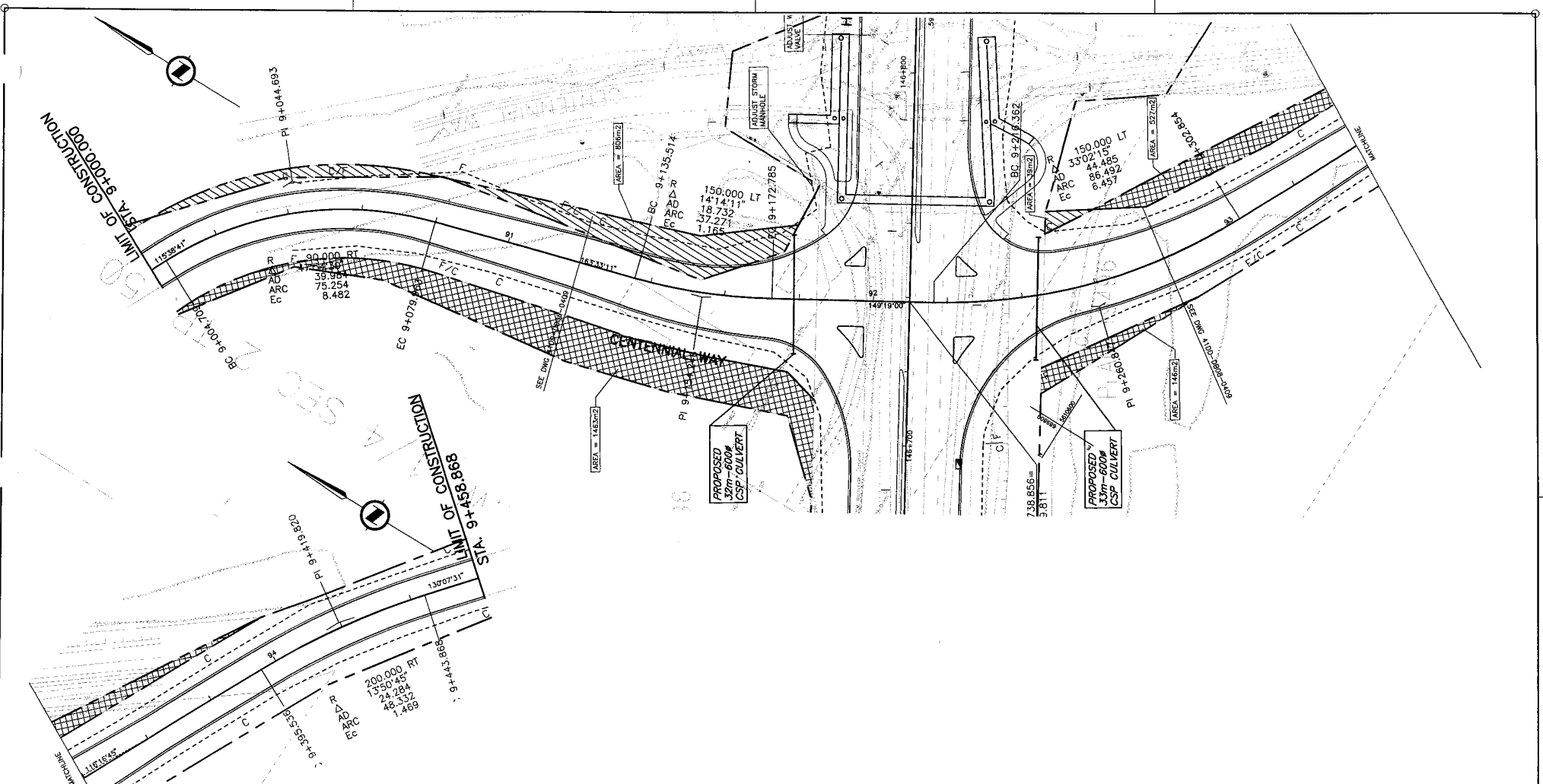
REFERENCE DRAWINGS

REVISIONS

214753-EN10-N 09901-ST53 1 41DD-DB08-0130 PC

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 User: jmacdonald



DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

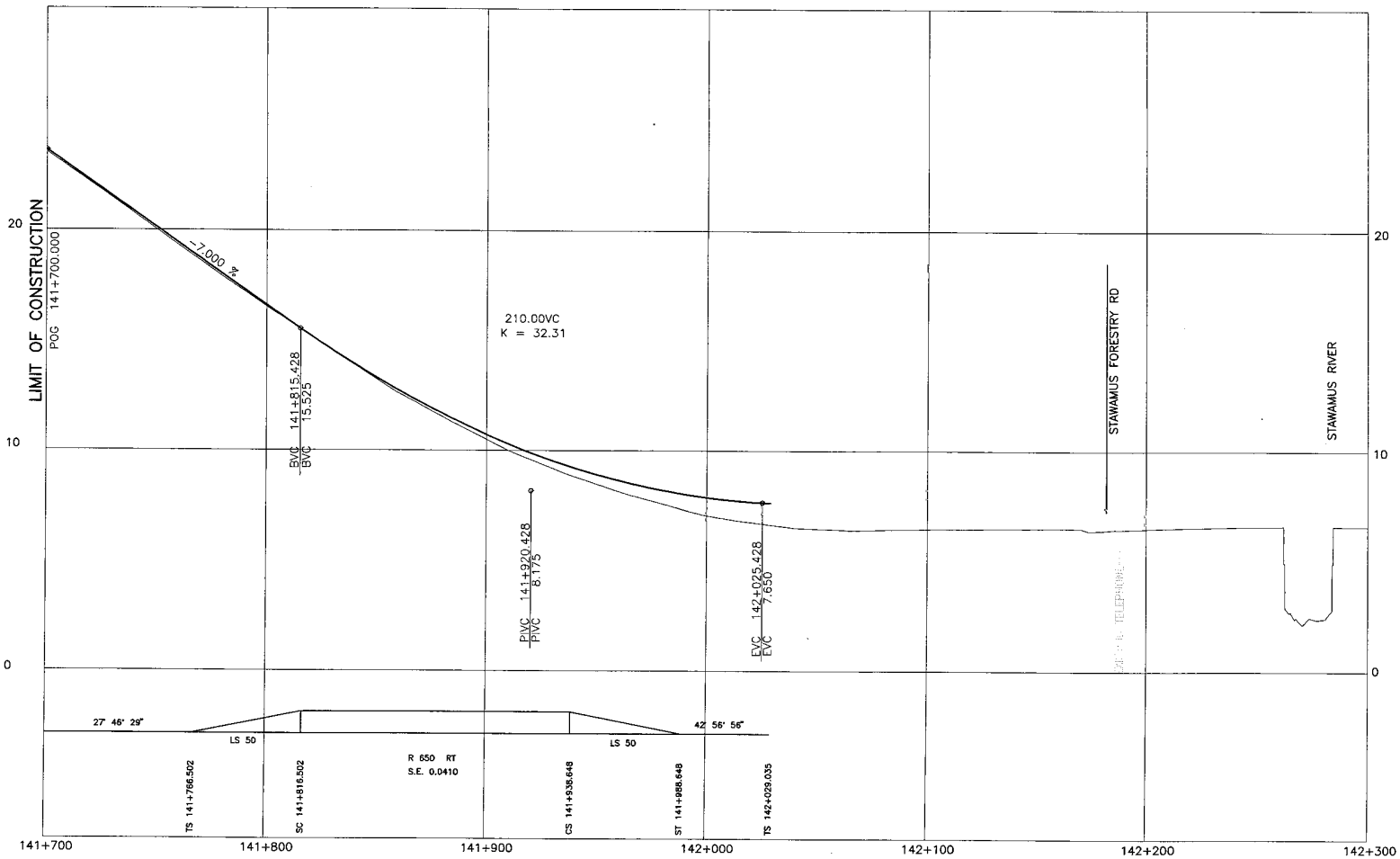
DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

SCALE 0 1:500 25

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
CENTENNIAL WAY
DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers Hatch Mott MacDonald	Design Consultant NDLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	DATE
REGION 1	DRAWING No. 41DD-DB08-0133 PC	



DESIGN SPEED 80 km/h
STA. 142+200 (BACK)

DESIGN SPEED 70 km/h
STA. 142+200 (AHEAD)

L100-LINE PROFILE

NOTES:

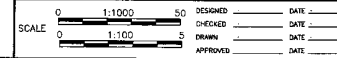
1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.2 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+069.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PC	2005/01/18	ISSUED FOR PROPOSAL SUBMISSION	
PB	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/08	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS



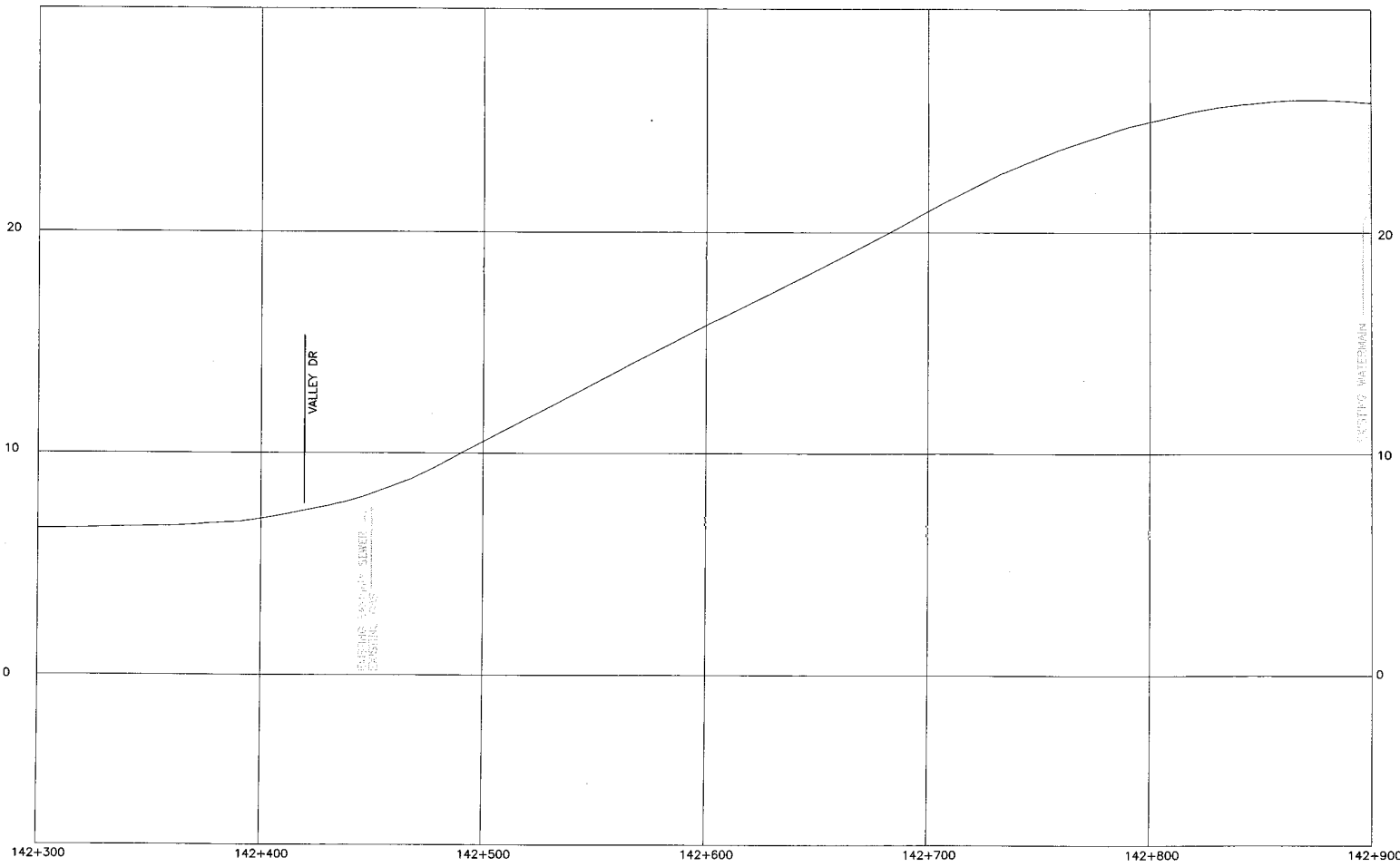
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 141+700 TO STA. 142+300
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
Design Consultant: NDLA
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB08-0202 PC

C:\p1\proj\100-0000-0002.dwg



L100-LINE PROFILE

DESIGN SPEED 70 km/h

NOTES:

1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+068.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50
0 1:100 5

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

Signature _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 142+300 TO STA. 142+900
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
Design Consultant: NDLA

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER
DATE _____
DRAWING No. _____

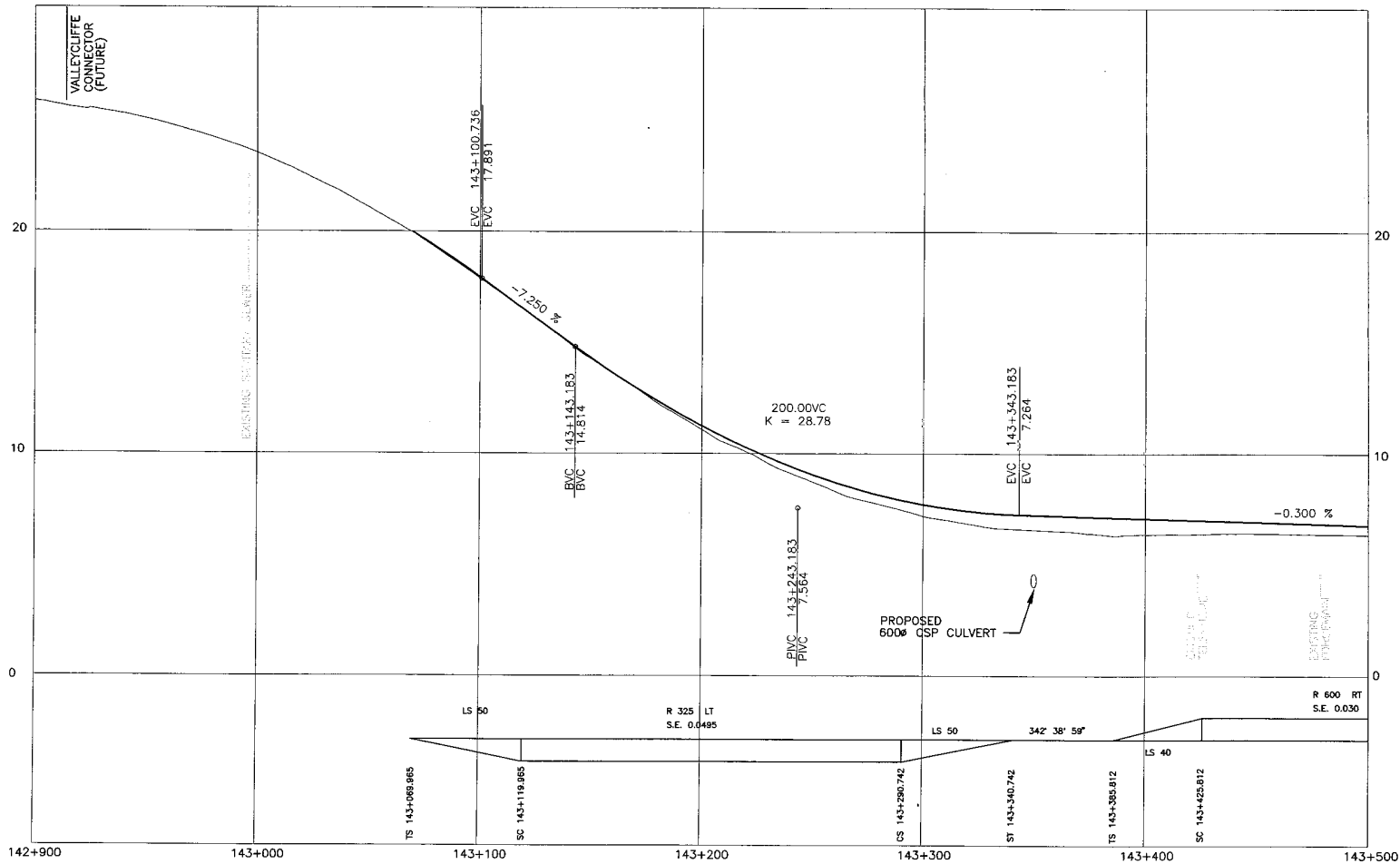
214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0203/PC

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

See to: S:\0\mmp\0101 - RPT - EOP - C:\V\1100-0000-0003.dwg



DESIGN SPEED 70 km/h

L100-LINE PROFILE

NOTES:

1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+059.905 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

OWC No.	Description	Rev	Date	Description	Signature
PC 206/09/02	ISSUED FOR PROPOSAL SUBMISSION				
PR 206/11/02	ISSUED FOR PROPOSAL SUBMISSION				
PA 206/10/08	ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50
0 1:100 5

DRAWN _____ DATE _____
CHECKED _____ DATE _____
APPROVED _____ DATE _____

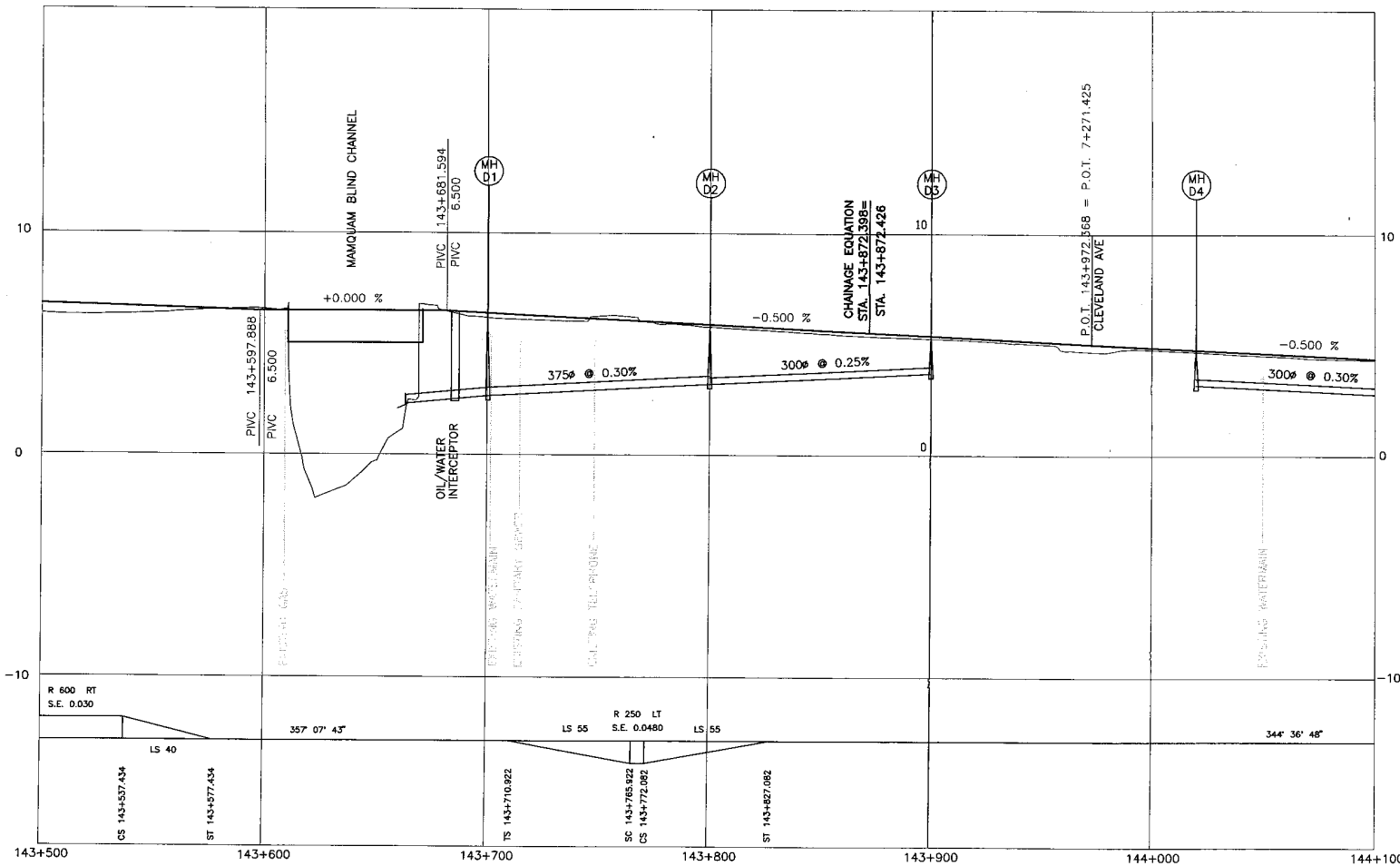
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 142+900 TO STA. 143+500
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
Design Consultant: NDLEA

214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0204-PC

See to Sky (www.see-to-sky.com) - 877-2-SEE-TO-SKY - C:\A\140-0994-0204.dwg



DESIGN SPEED 70 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PC	2006/1/10	ISSUED FOR PROPOSAL SUBMISSION	
TD	2006/1/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/06	ISSUED FOR PROPOSAL SUBMISSION	

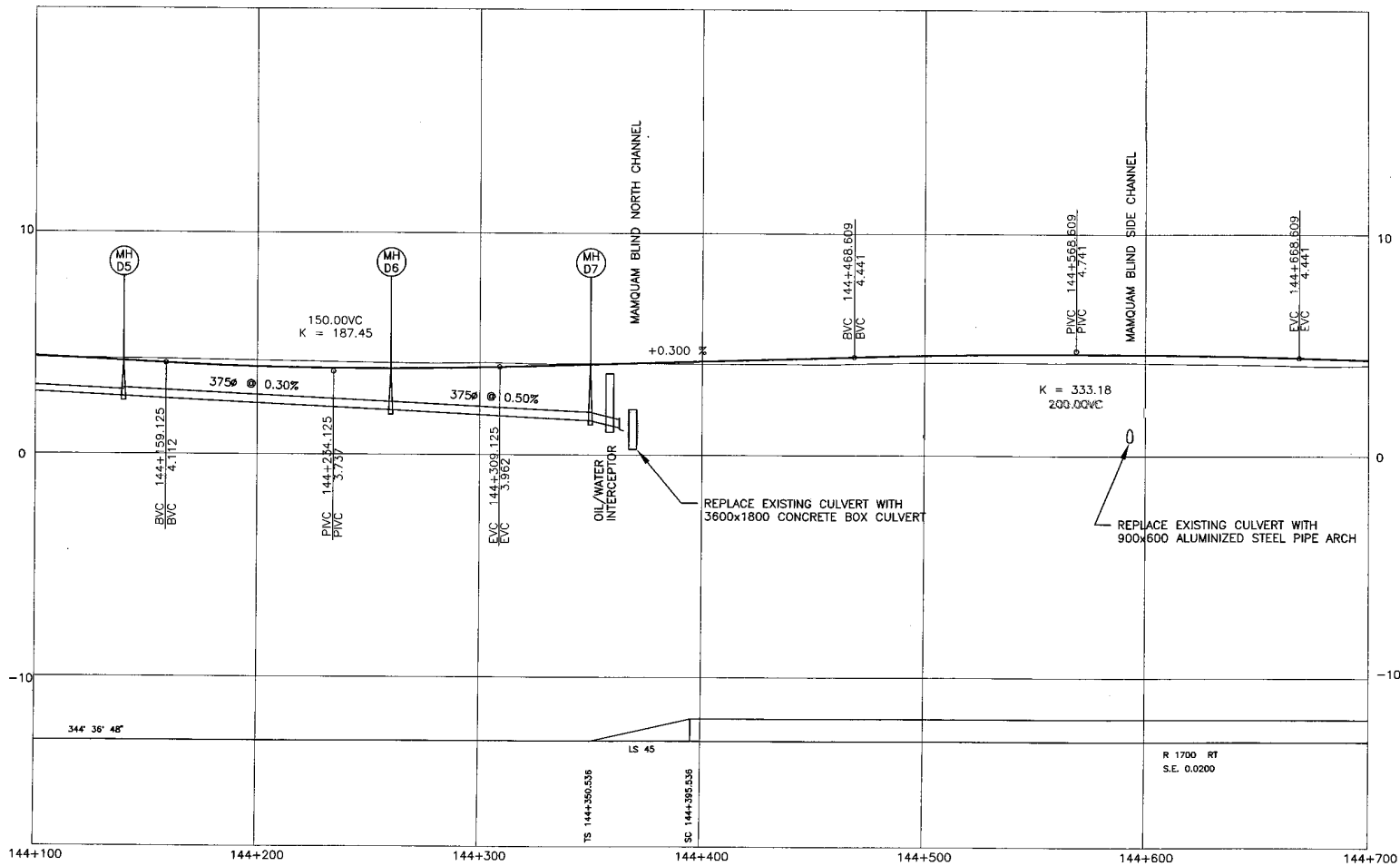
REVISIONS

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
 STA. 143+500 TO STA. 144+100
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE NO.: 214753-EN10-N
 PROJECT NO.: 09901-ST53
 REGION: 1
 DRAWING NO.: 410D-DB08-0205 PC



DESIGN SPEED 70 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

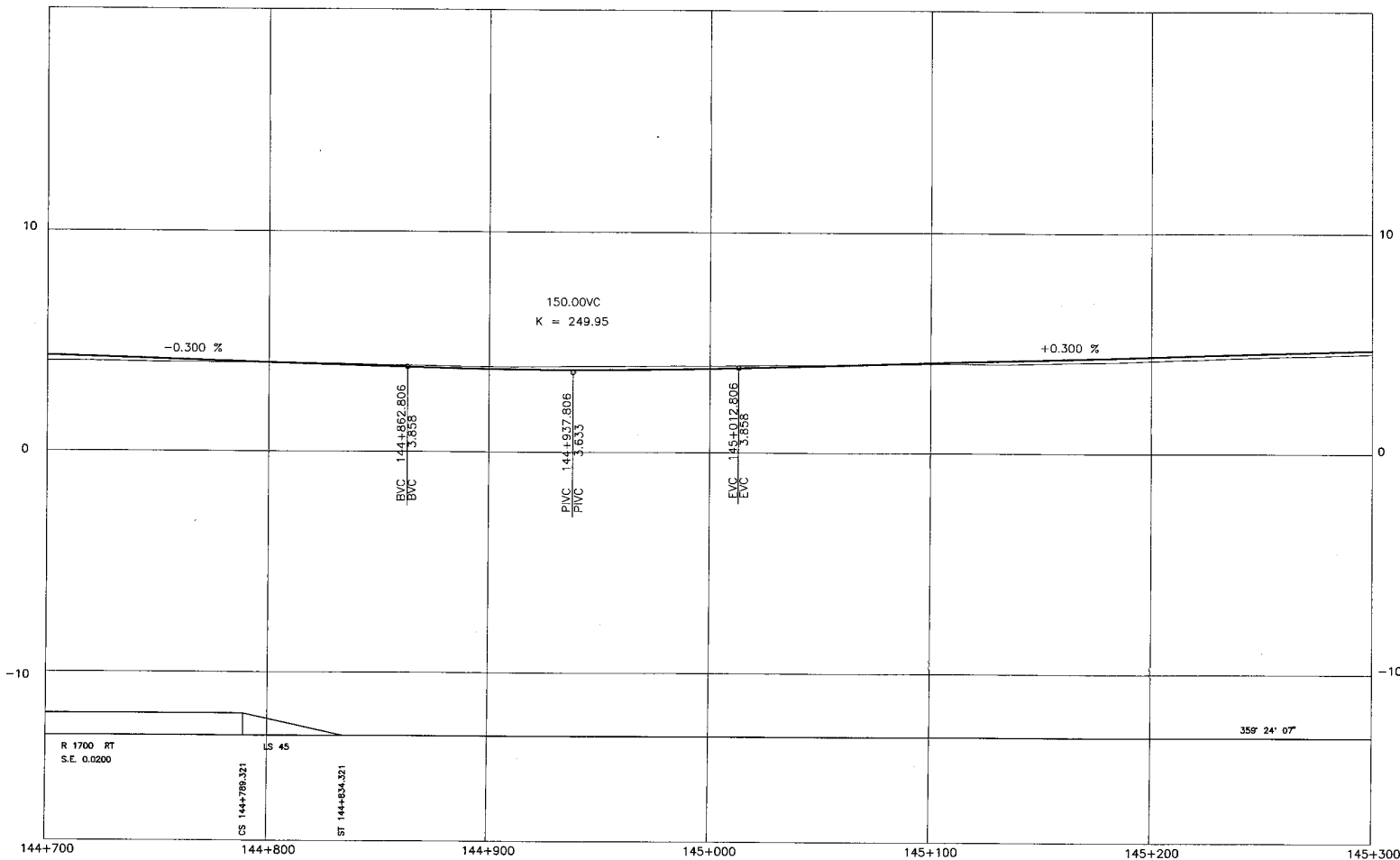
Rev	Date	Description	Signature
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PS	2006/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/26	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 144+100 TO STA. 144+700
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers Hatch Mott MacDonald	Design Consultant NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REVISION 1 DRAWING No. 41DD-DB08-0206 PC



DESIGN SPEED 70 km/h

L100-LINE PROFILE

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PC	2005/01/16	ISSUED FOR PROPOSAL SUBMISSION	
PD	2006/11/12	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/08	ISSUED FOR PROPOSAL SUBMISSION	

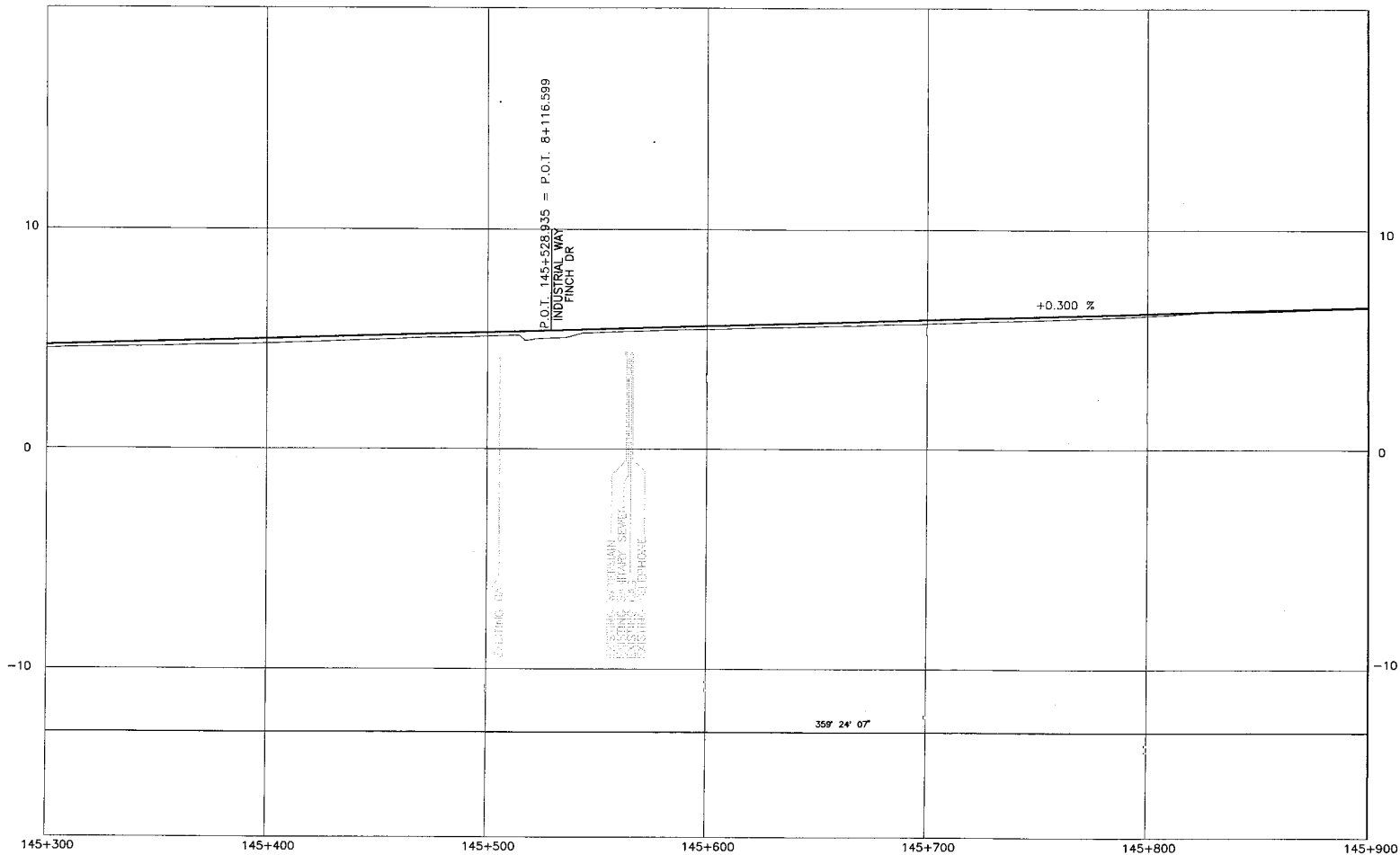
REVISIONS

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 144+700 TO STA. 145+300
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1
DRAWING No. 41DD-DB08-0207/PC		

See file 214753-EN10-N - c:\v\11010\0908-0207.dwg



L100-LINE PROFILE

DESIGN SPEED 70 km/h

DWG. No.	Description	Rvw	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature
DC	2006/01/06	ISSUED FOR PROPOSAL SUBMISSION	
DB	2006/11/21	ISSUED FOR PROPOSAL SUBMISSION	
FA	2006/06/06	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 145+300 TO STA. 145+900
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers
Hatch Mott MacDonald

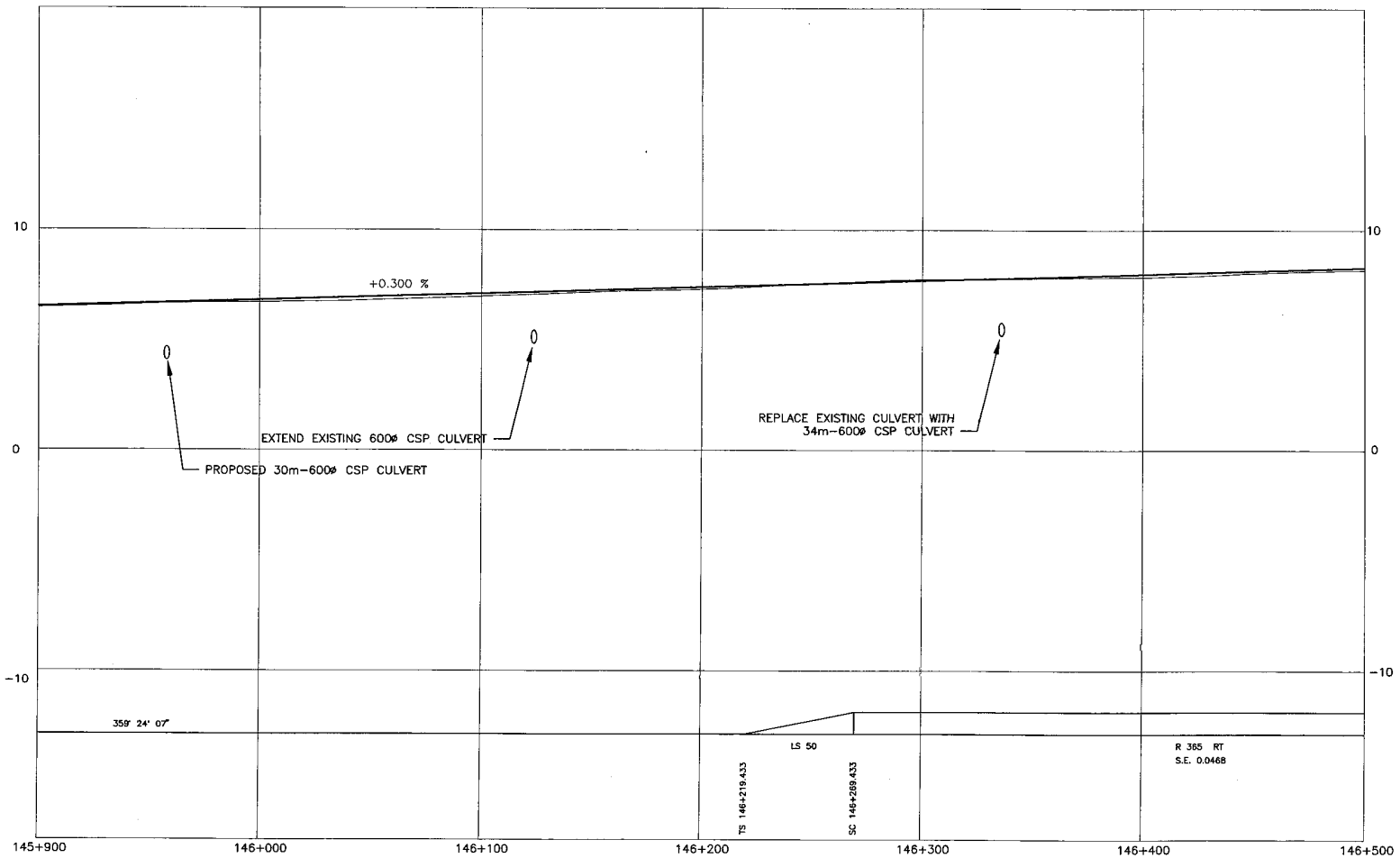
Design Consultant
NLEA

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER
DATE

SCALE: 0 1:1000 50
0 1:100 5

DESIGNED: _____ DATE: _____
CHECKED: _____ DATE: _____
DRAWN: _____ DATE: _____
APPROVED: _____ DATE: _____

FILE No. PROJECT No. REGION DRAWING No.
214753-EN10-N 09901-ST53 1 41DD-DB08-0208 PC



L100-LINE PROFILE

DESIGN SPEED 70 km/h

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature

REVISIONS

S2S TRANSPORTATION GROUP

SCALE: 0 1:1000 50
 0 1:100 5

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

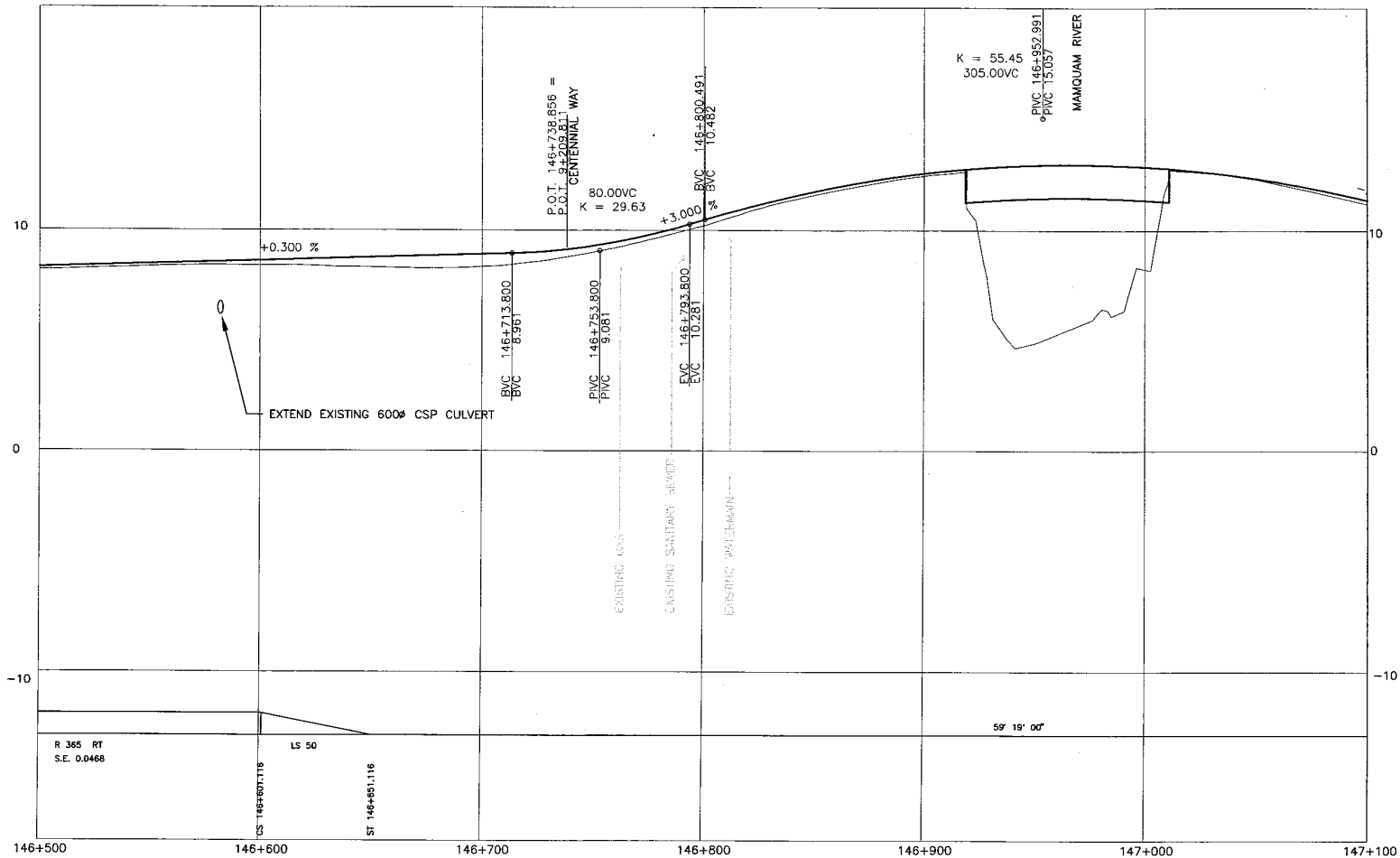
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 STA. 145+900 TO STA. 146+500
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER _____
 DATE _____

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0209 PC



DESIGN SPEED 70 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PC	2006/01/18	ISSUED FOR PROPOSAL SUBMISSION	
PB	2006/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/26	ISSUED FOR PROPOSAL SUBMISSION	

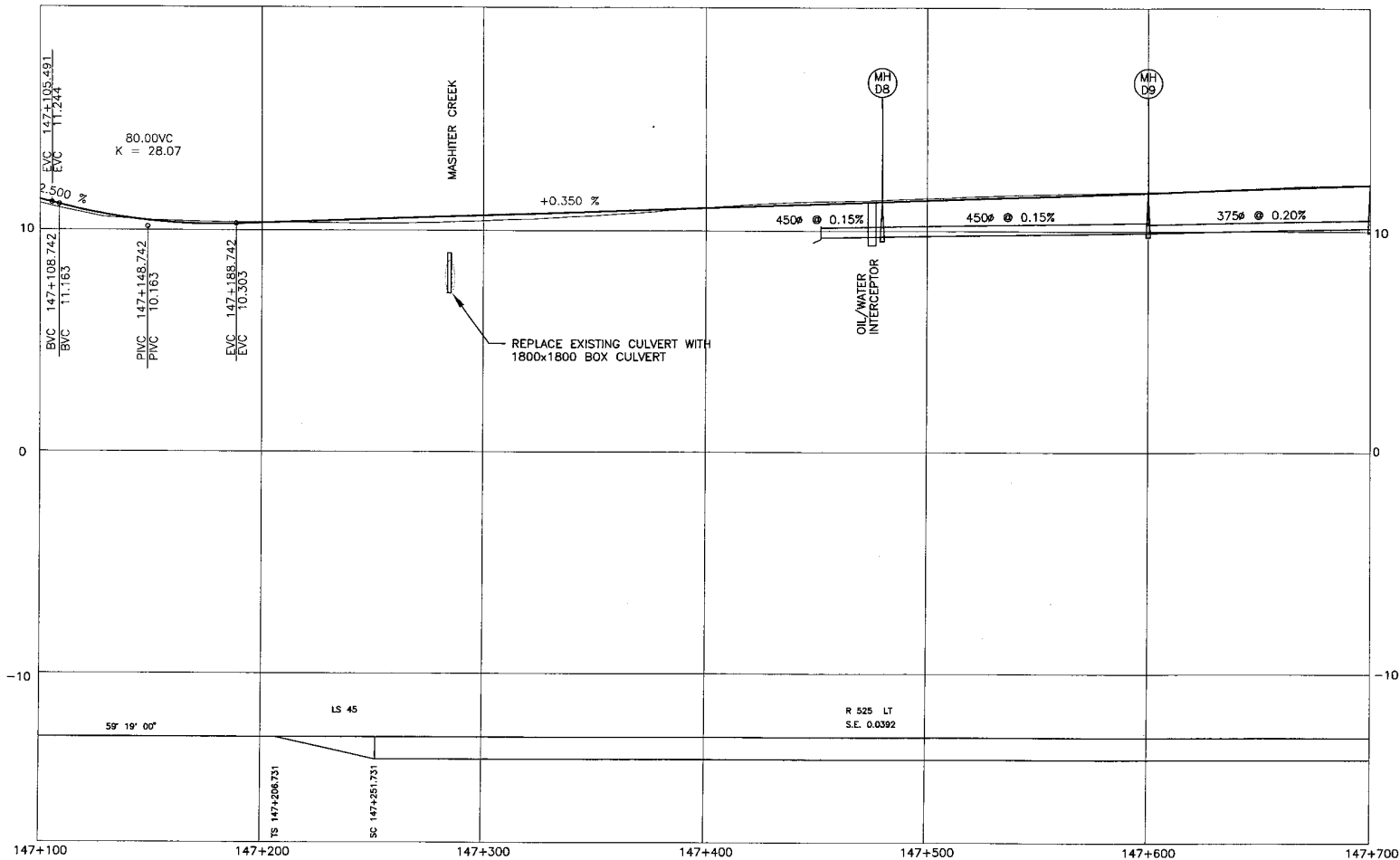
REVISIONS

S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 146+500 TO STA. 147+100
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers Hatch Mott MacDonald	Design Consultant NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE NO. 214753-EN10-N	PROJECT NO. 09901-ST53	DATE
REGION 1	DRAWING NO. 41DD-DB08-0210	DATE



DESIGN SPEED 70 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

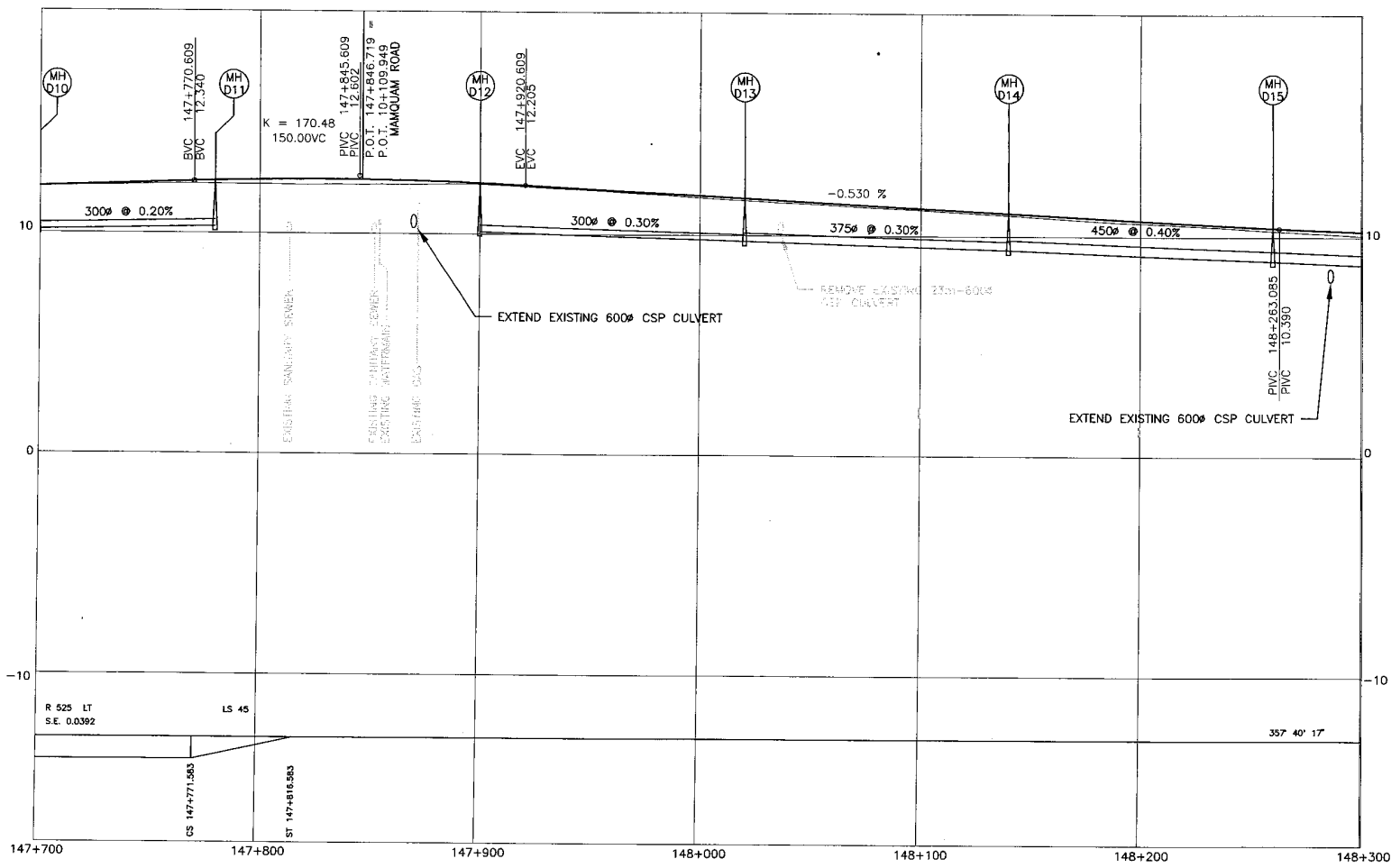
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Rev	Date	Description	Signature
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PD	2004/11/21	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/08	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER PROFILE STA. 147+100 TO STA. 147+700 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Managers 		Design Consultant 	
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE		FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0211 PC	

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DESIGN SPEED 70 km/h

L100-LINE PROFILE

Rev	Date	Description	Signature

REFERENCE DRAWINGS

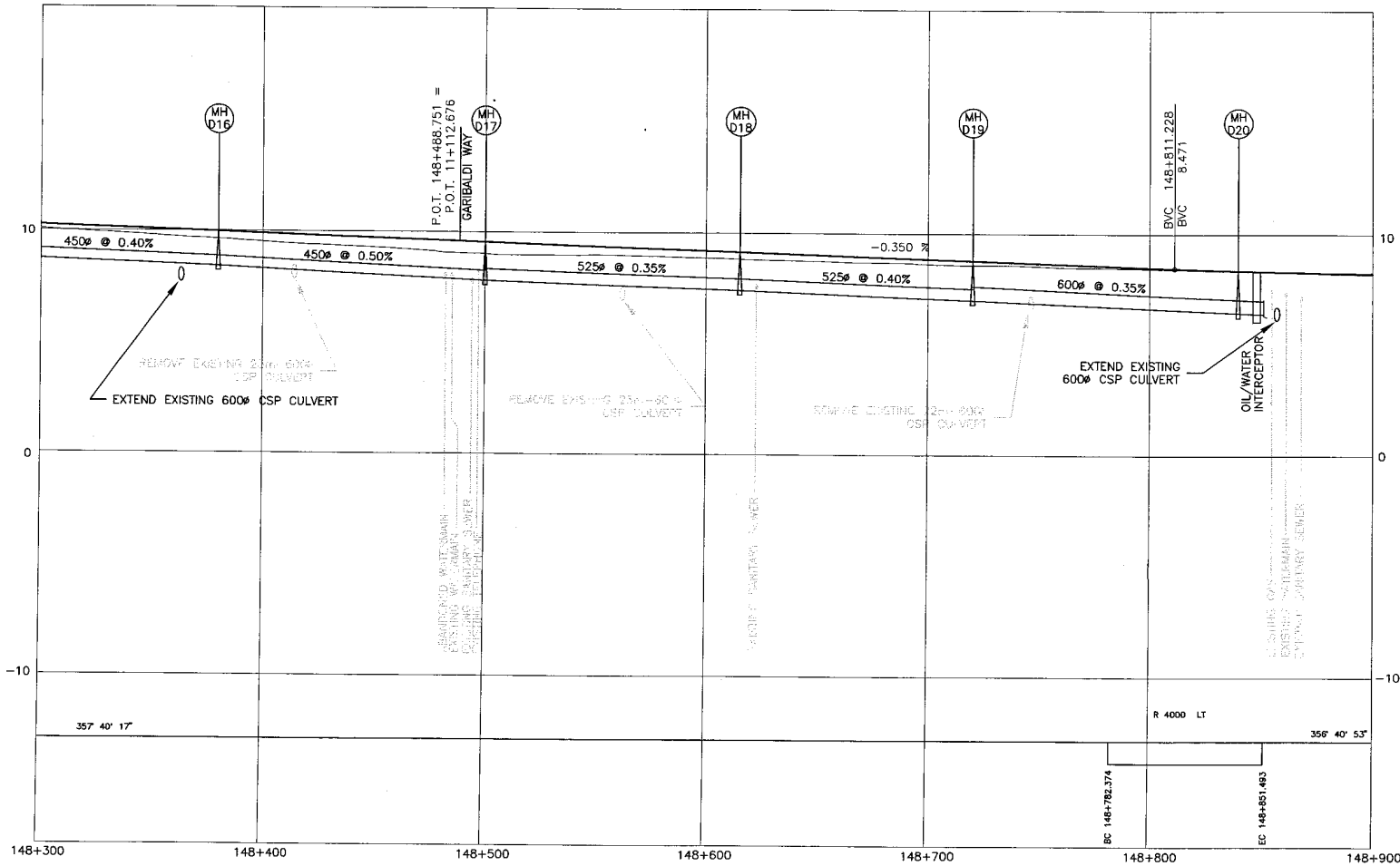
REVISIONS

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PC 2005/01/10 ISSUED FOR PROPOSAL SUBMISSION PB 2004/11/22 ISSUED FOR PROPOSAL SUBMISSION PA 2004/10/28 ISSUED FOR PROPOSAL SUBMISSION	PROJECT No. _____ REGION _____ DRAWING No. _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 STA. 147+700 TO STA. 148+300
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NLEA
 PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 DATE: _____
 FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0212 PC

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 User: j.mackinnon



DESIGN SPEED 70 km/h
STA. 148+780 (BACK)

DESIGN SPEED 80 km/h
STA. 148+780 (AHEAD)

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

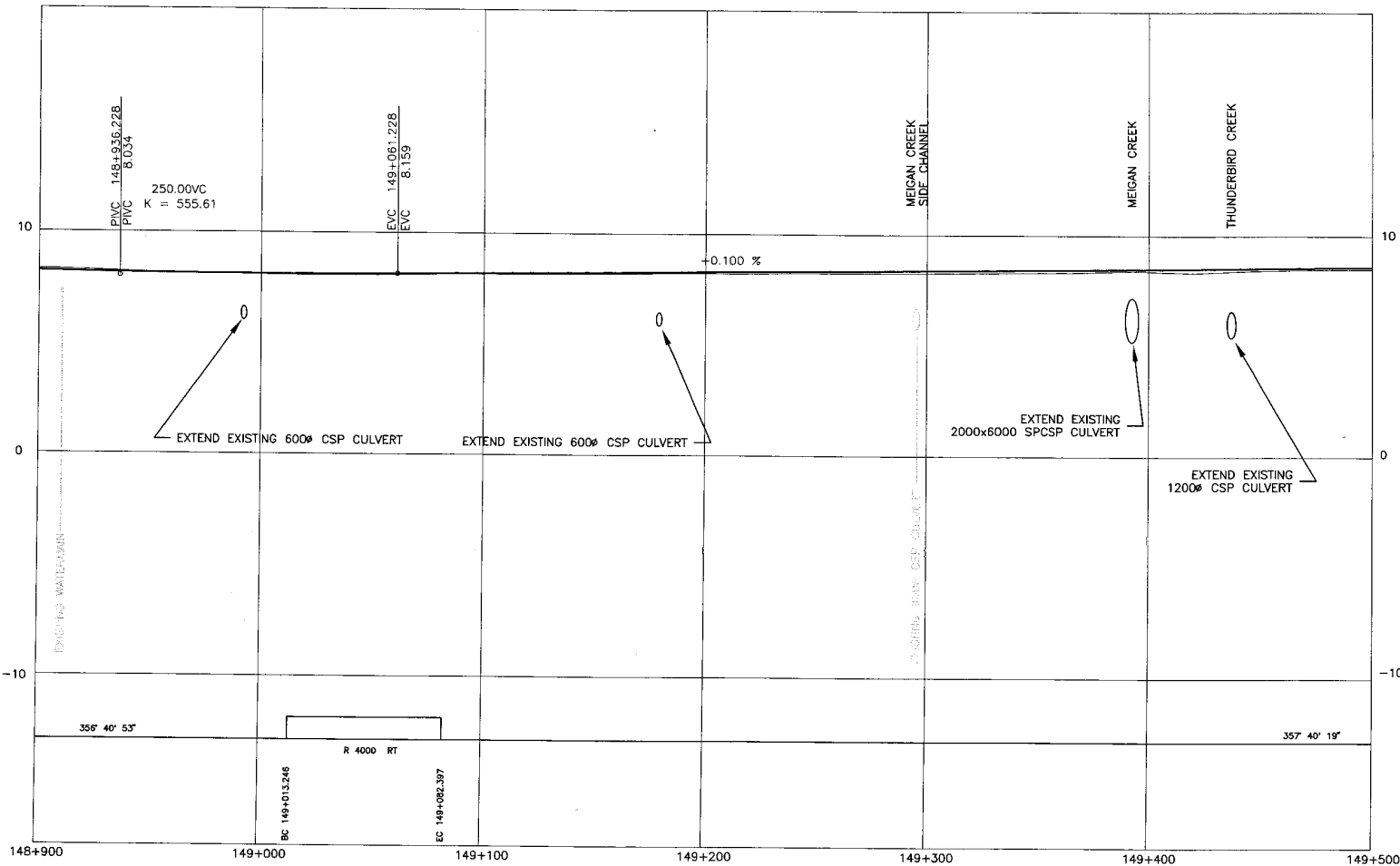
S2S TRANSPORTATION
BC
SCALE 0 1:1000 50 CHECKED DATE
0 1:100 5 DRAWN DATE
APPROVED DATE

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 148+300 TO STA. 148+900
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
Design Consultant: NDLA
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
DATE: 2004/10/06
FILE No. 214753-EN10-N
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB08-0213 PC

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 PLOT BY: J. MACDONALD



L100-LINE PROFILE

DESIGN SPEED 80 km/h

DWG. No.	Description

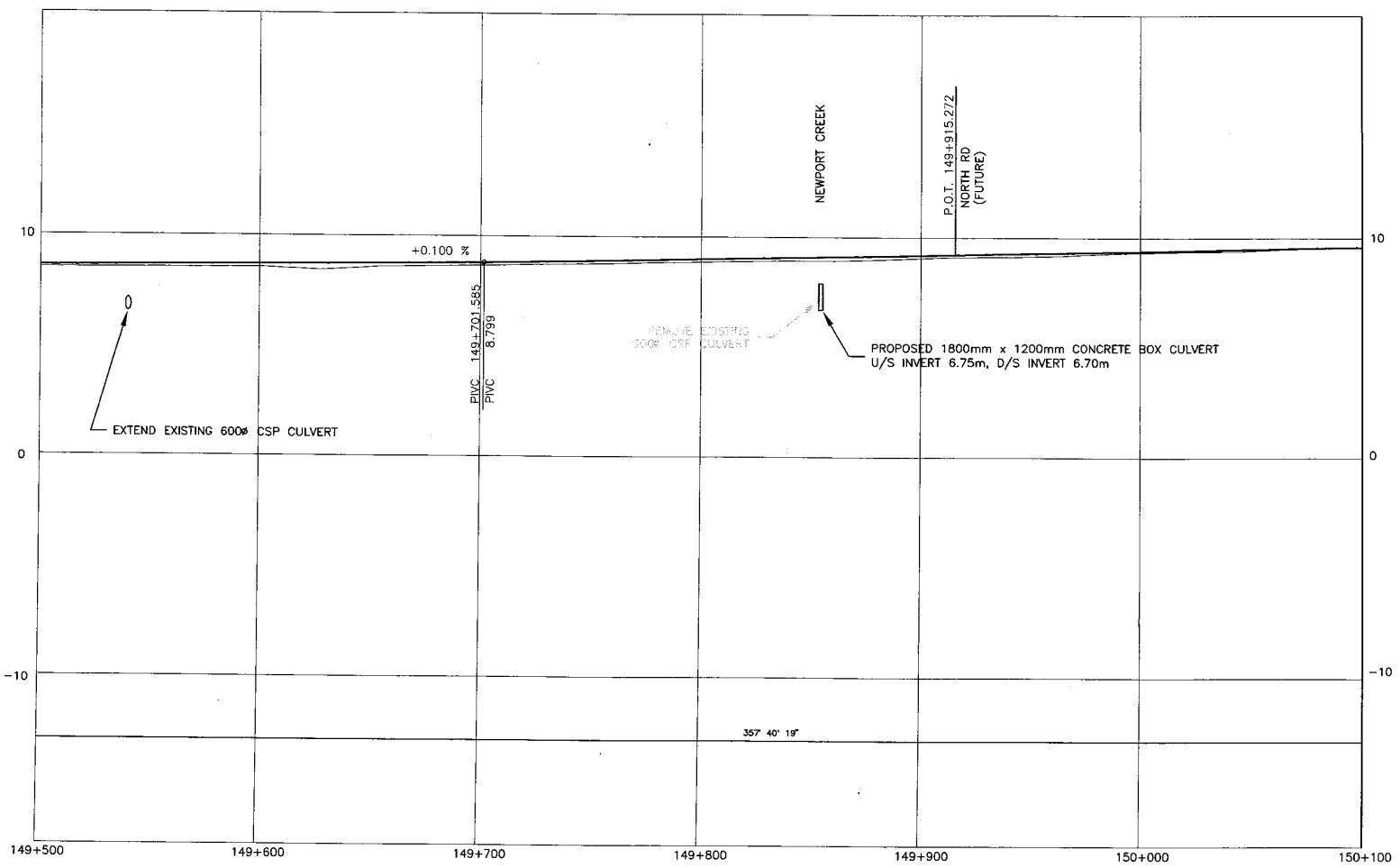
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Rev	Date	Description	Signature
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PD	2004/11/20	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/28	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER PROFILE STA. 148+900 TO STA. 149+500 DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF	
		SENIOR DESIGN ENGINEER	
FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-N	09901-ST53	1	41DD-DB08-0214 PC

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 User: A. Kavanagh



DESIGN SPEED 80 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature
FC	2006/01/09	ISSUED FOR PROPOSAL SUBMISSION	
FB	2006/11/20	ISSUED FOR PROPOSAL SUBMISSION	
FA	2004/10/06	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

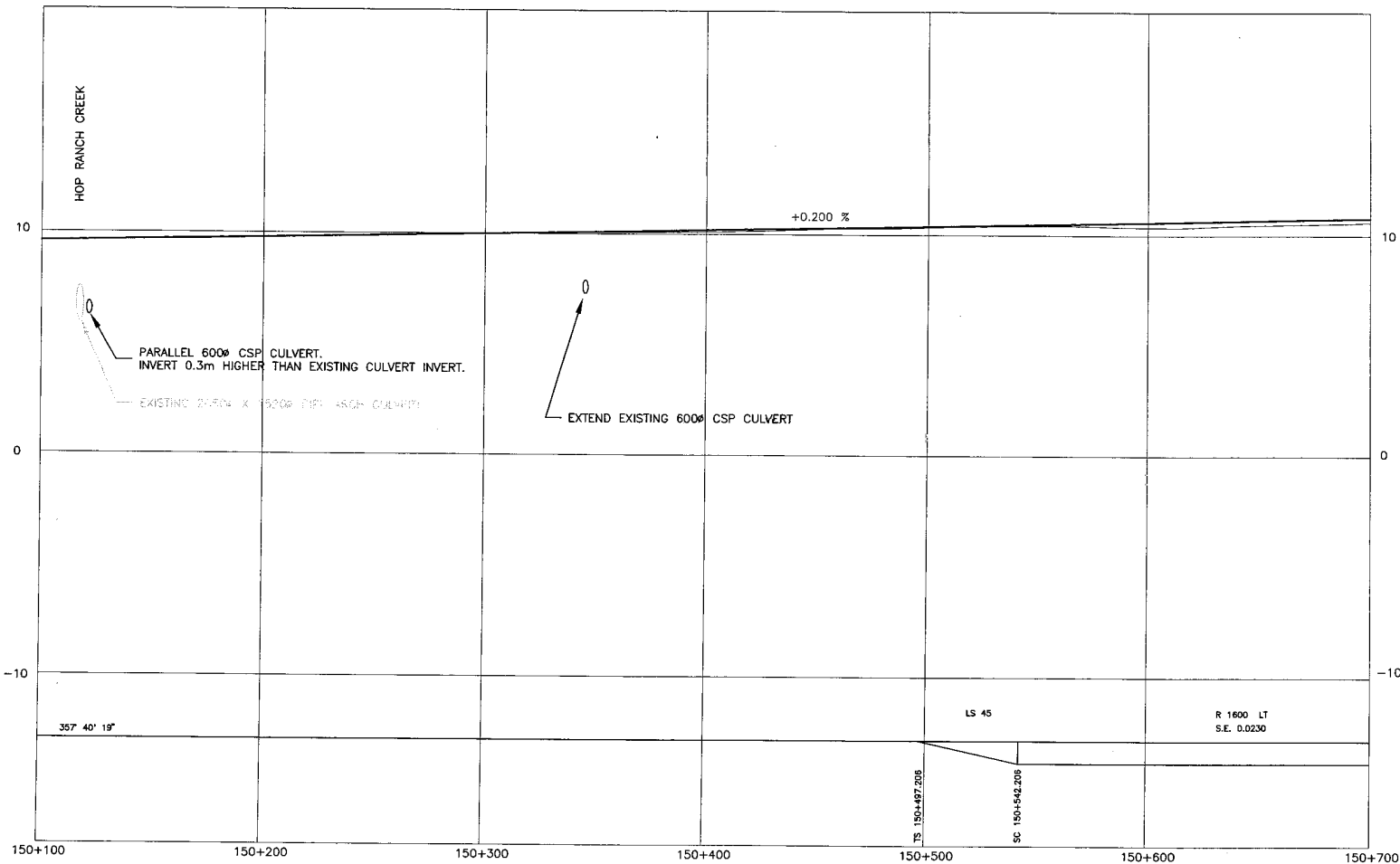
S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 149+500 TO STA. 150+100
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REVISION 1
		DRAWING No. 41DD-DB08-0215 PC

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L100-LINE PROFILE

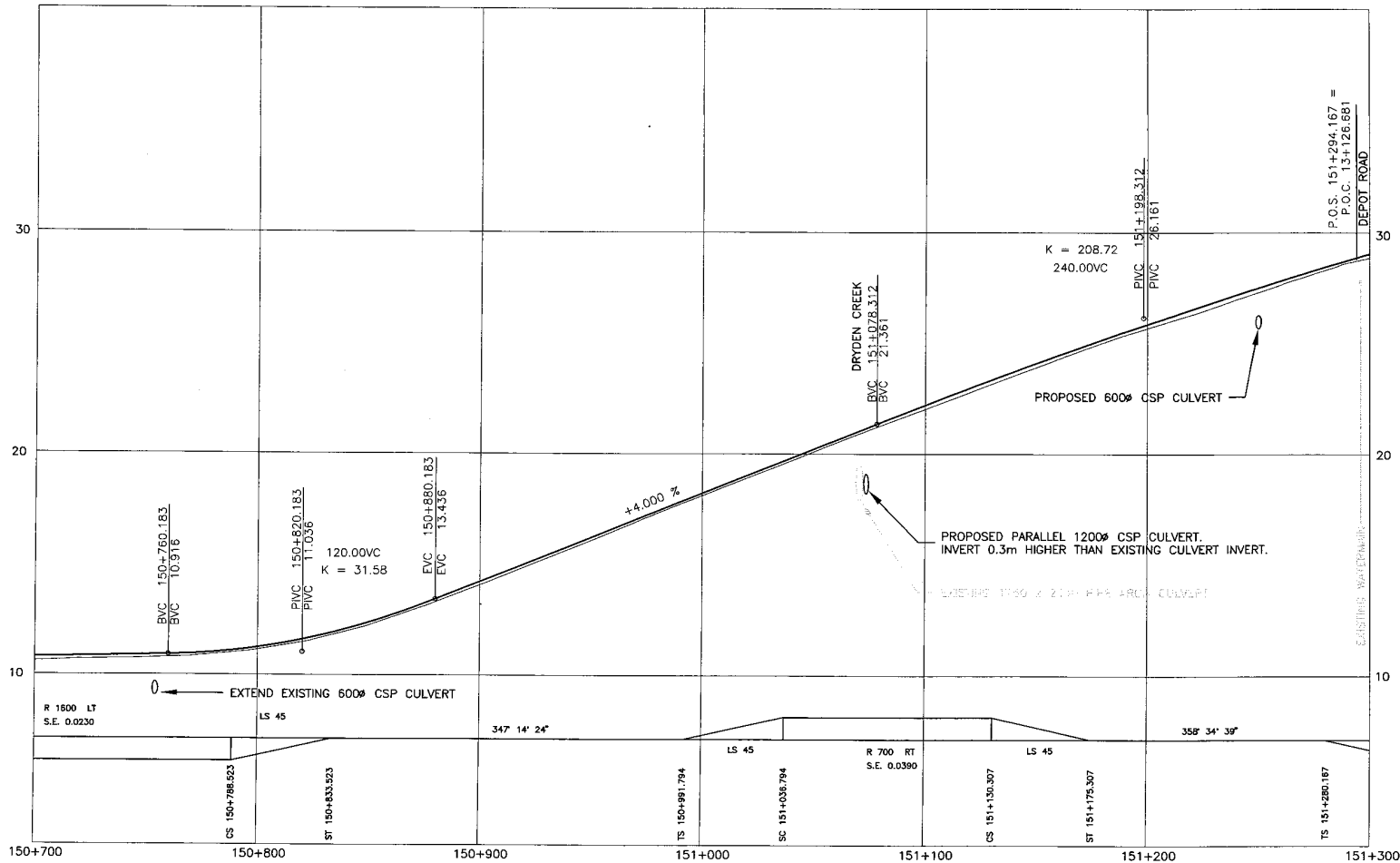
DESIGN SPEED 80 km/h

SCALE 0 1:1000 50 0 1:100 5		DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	PROJECT MANAGERS Hatch Mott MacDonald DESIGN CONSULTANT NLEA PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ DRAWING NO. _____
REFERENCE DRAWINGS		REVISIONS	FILE NO. 214753-EN10-N PROJECT NO. 09901-ST53 REGION 1 DRAWING NO. 41DD-DB08-0216 PC

DWG. No.	Description	Rev	Date	Description	Signature

MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PROFILE STA. 150+100 TO STA. 150+700 DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH		
PROJECT MANAGERS Hatch Mott MacDonald	DESIGN CONSULTANT NLEA	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ DRAWING NO. _____
FILE NO. 214753-EN10-N	PROJECT NO. 09901-ST53	REGION 1 DRAWING NO. 41DD-DB08-0216 PC

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 DATE: 2010/01/14 11:57 AM
 USER: jmacdonald



R 1800 LT
S.E. 0.0230

← EXTEND EXISTING 600 ϕ CSP CULVERT

+4.000 %

PROPOSED PARALLEL 1200 ϕ CSP CULVERT.
INVERT 0.3m HIGHER THAN EXISTING CULVERT INVERT.

PROPOSED 600 ϕ CSP CULVERT

DRYDEN CREEK
BVC 151+078.312
BVC 21+361

K = 208.72
240.00VC

PIVC 151+198.312
PVC 26+161

P.O.S. 151+294.167 =
P.O.C. 151+126.661

EXISTING WATERWAY

150+700 150+800 150+900 151+000 151+100 151+200 151+300

DESIGN SPEED 80 km/h

L100-LINE PROFILE

OWC. No.	Description	Rev.	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE: 0 to 1:1000 (DESIGNED, CHECKED, DATE) and 0 to 1:1000 (DRAWN, APPROVED, DATE)

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

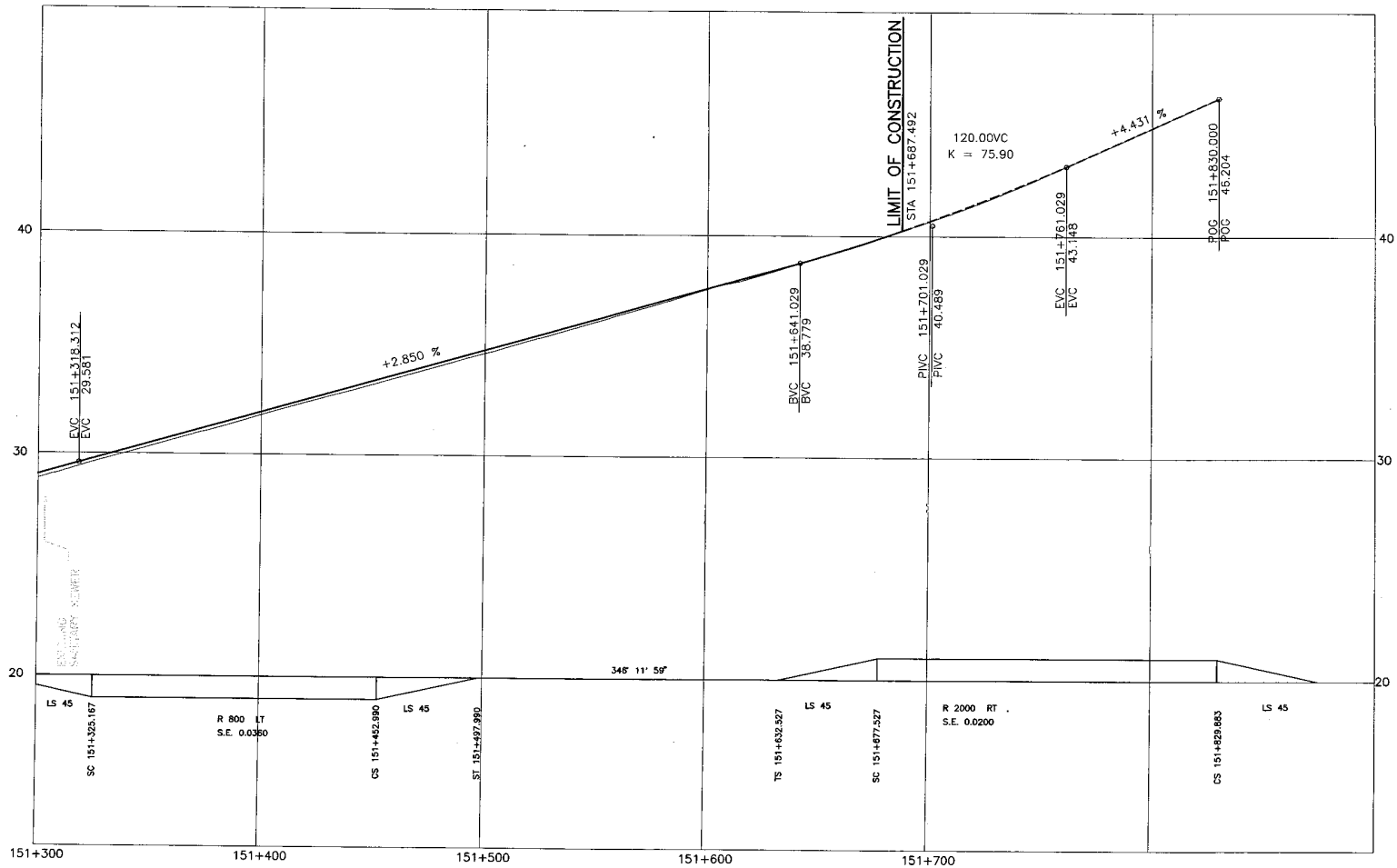
DBFO - HORSESHOE BAY TO WHISTLER PROFILE

STA. 150+700 TO STA. 151+300
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Manager: Hatch Mott MacDonald
Design Consultant: NDLA
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0217 PC

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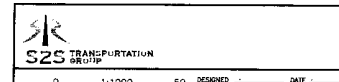
DESIGN SPEED 80 km/h

L100-LINE PROFILE

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS



SCALE	0	1:1000	50	DESIGNED	DATE
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				APPROVED	DATE

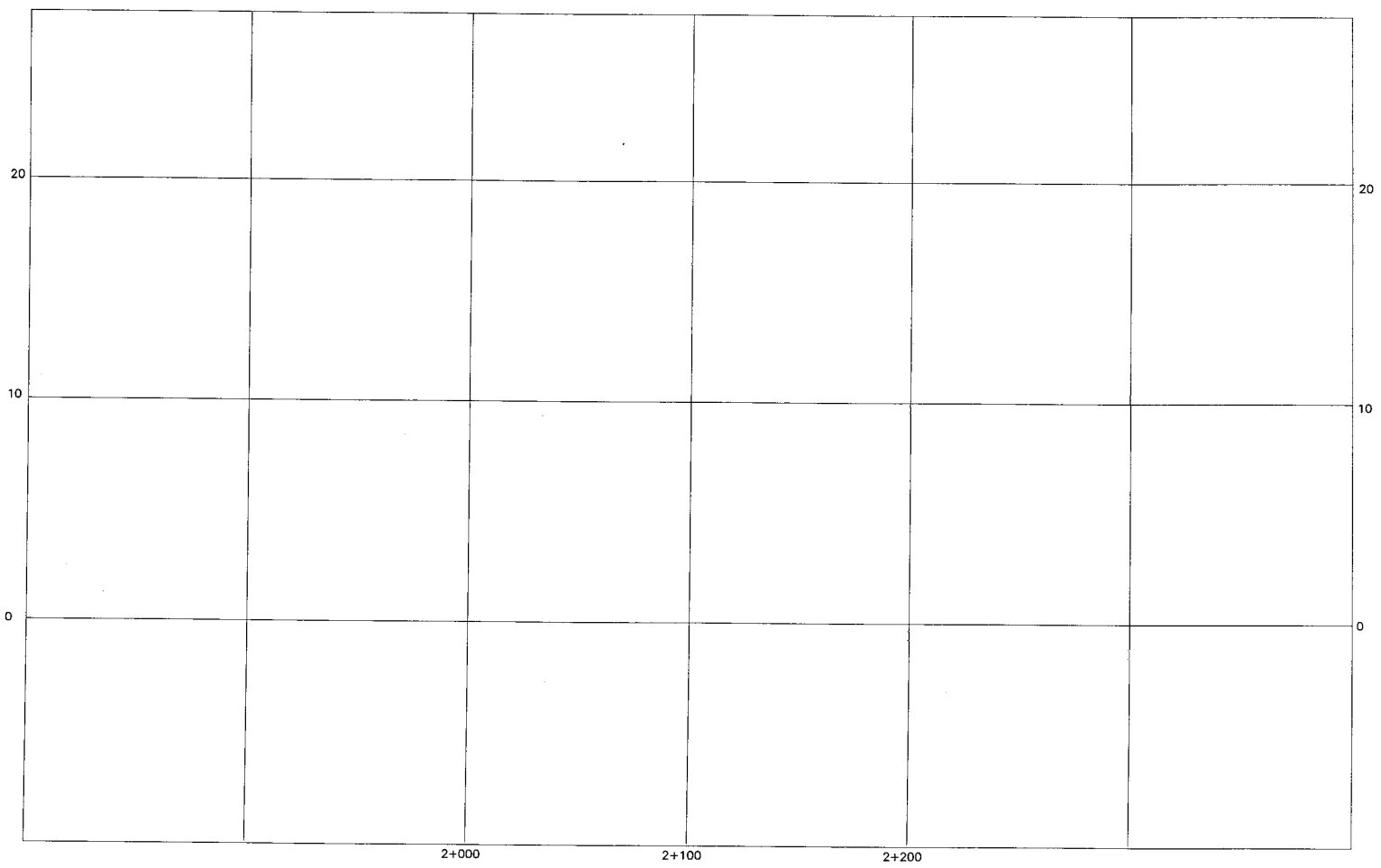
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
STA. 151+300 TO STA. 151+687.492
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
Design Consultant: NDLA
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB08-0218 PC

See to S:\Drawing\DB8 - EN10\151-DB08-0218.dwg



L200 -LINE PROFILE

DESIGN SPEED 50 km/h

NOTES:
 1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+025.035 AND 143+069.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

		DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	
SCALE		Rev	Date
		Description	Signature
		PC 2005/01/10	ISSUED FOR PROPOSAL SUBMISSION
		FB 2004/11/22	ISSUED FOR PROPOSAL SUBMISSION
		PA 2004/12/08	ISSUED FOR PROPOSAL SUBMISSION

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
 PROFILE
 STAWAMUS FORESTRY ROAD
 DBB – SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

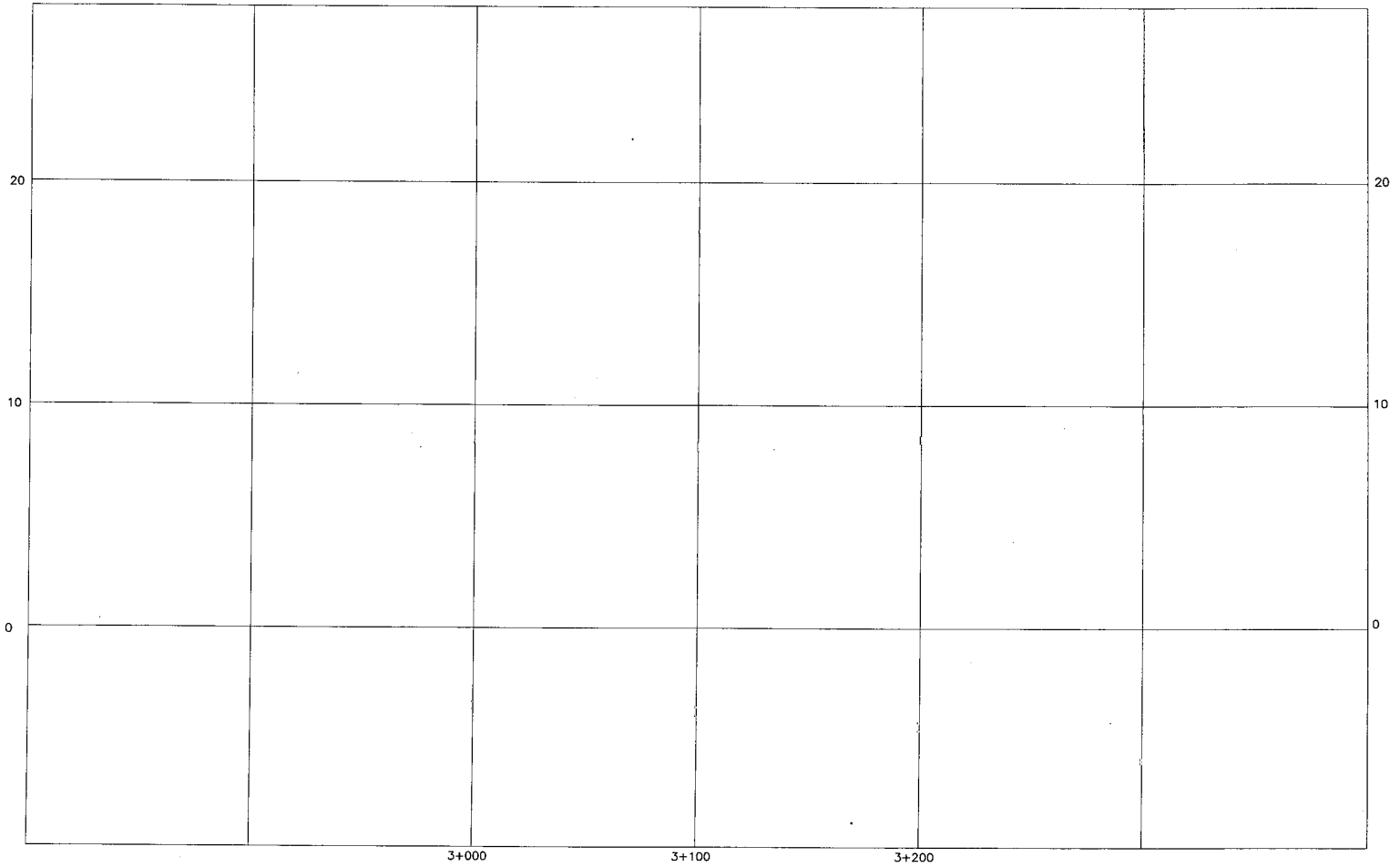
 Project Manager	 Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ DRAWING No. _____
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS

DATE: 2004/12/13 - 4:53pm
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 User: jmacdonald



L300 -LINE PROFILE

DESIGN SPEED 50 km/h

NOTES:
 1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+089.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

DWG. No.	Description

REFERENCE DRAWINGS

Rev.	Date	Description	Signature

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50
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DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

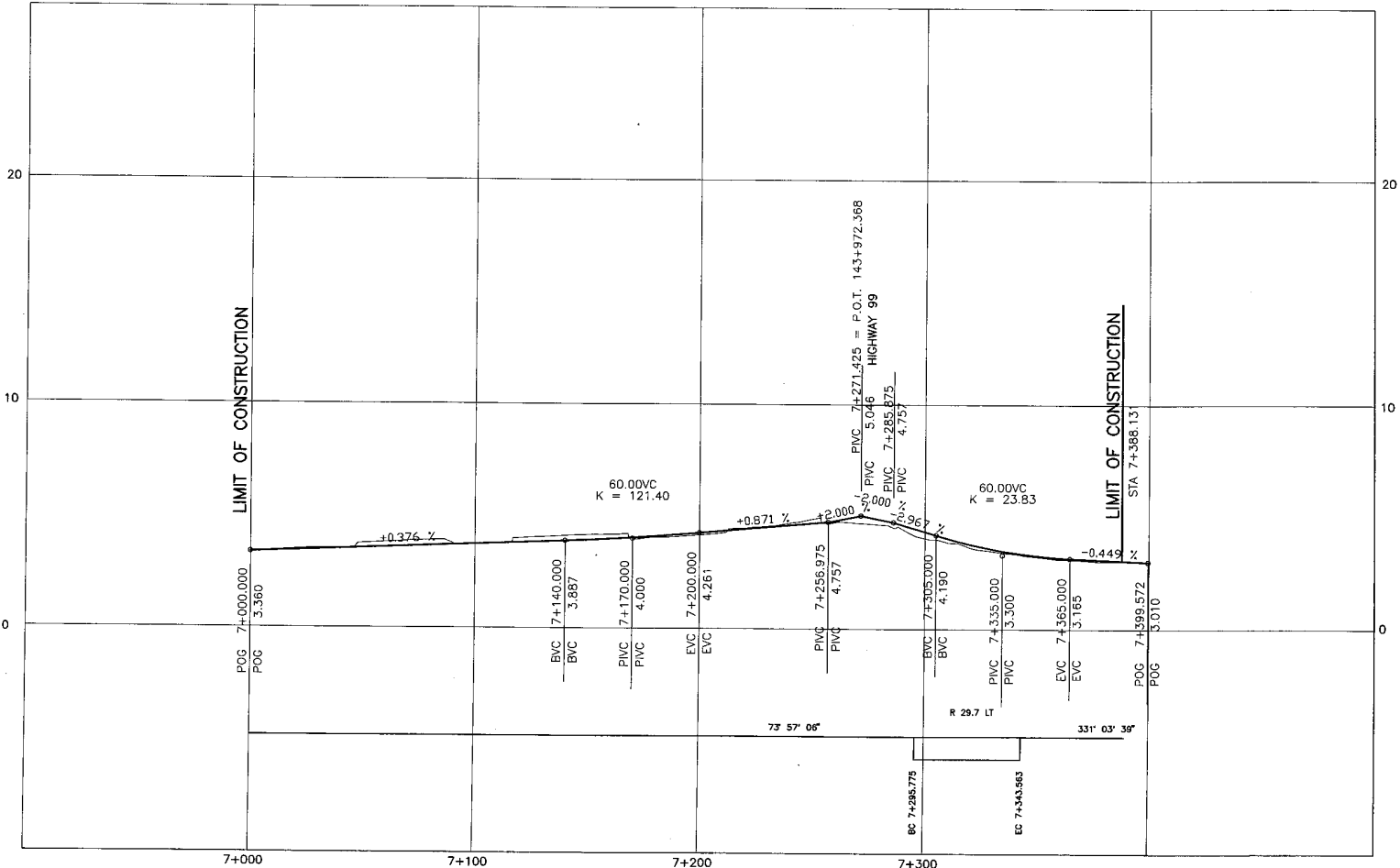
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 VALLEY ROAD
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0220/PC

DATE: 2004/12/14 - 09:20am
 USER: k1001100
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L700 -LINE PROFILE

DESIGN SPEED 50 km/h

SCALE 0 1:1000 50 0 1:100 5		DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____	
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PB	2006/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/06	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 CLEVELAND AVENUE
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Manager: Hatch Mott MacDonald
 Design Consultant: NLEA

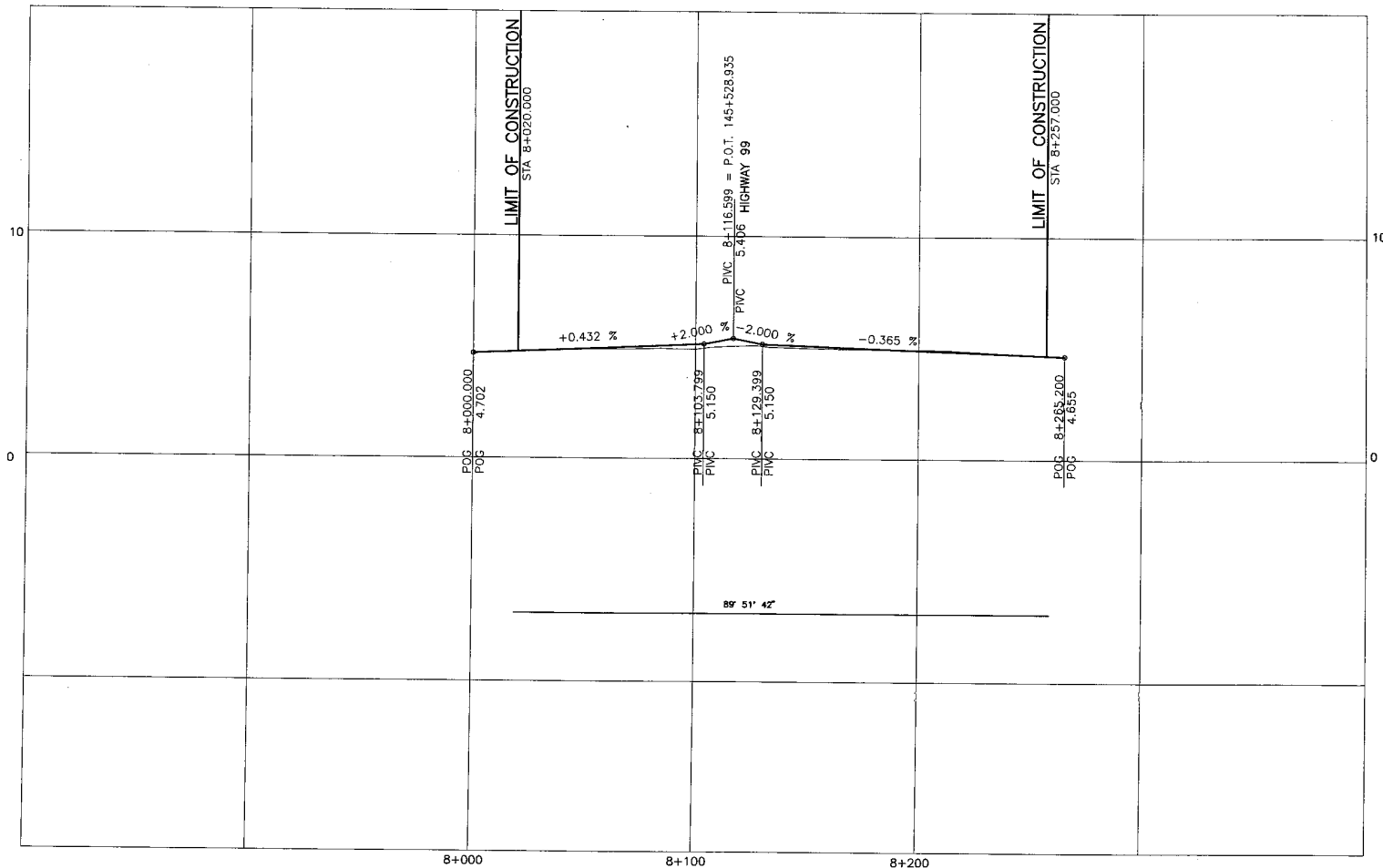
PREPARED UNDER THE DIRECTION OF: _____
 SENIOR DESIGN ENGINEER: _____
 DATE: _____
 DRAWING No.: _____

FILE No.: 214753-EN10-N
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB08-0222-PC

ENC. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS REVISIONS

DATE: 2006/12/09 - 5:33pm
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L800 -LINE PROFILE

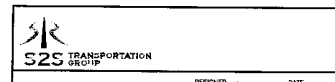
DESIGN SPEED 50 km/h

DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PC	2006/01/10	ISSUED FOR PROPOSAL SUBMISSION	
FB	2006/01/21	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/02/08	ISSUED FOR PROPOSAL SUBMISSION	

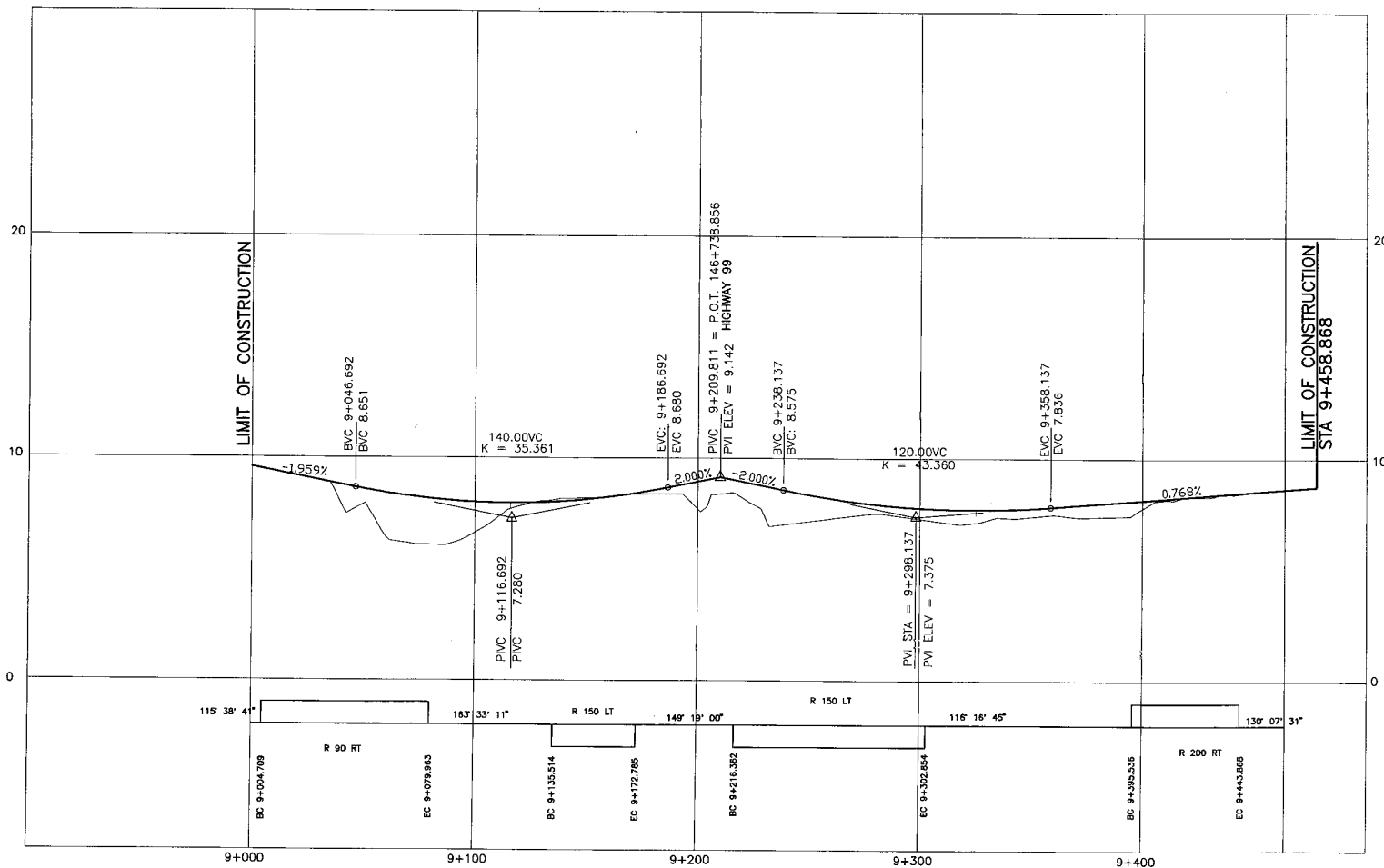
REVISIONS



MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 INDUSTRIAL WAY/FINCH AVENUE
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**
 PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**
 FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0223/PC

DATE: 2006/12/09 - 10:30am
 DRAWN: J. Macdonald - JPM
 CHECKED: J. Macdonald - JPM
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L900 - LINE PROFILE

DESIGN SPEED 50 km/h

Rev.	Date	Description	Signature
PC	2005/01/10	ISSUED FOR PROPOSAL SUBMISSION	
PD	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/12/08	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 CENTENNIAL WAY
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NSLEA**

FILE NO. 214753-EN10-N
 PROJECT NO. 09901-ST53
 REGION 1
 DRAWING NO. 41DD-DB08-0224-PC

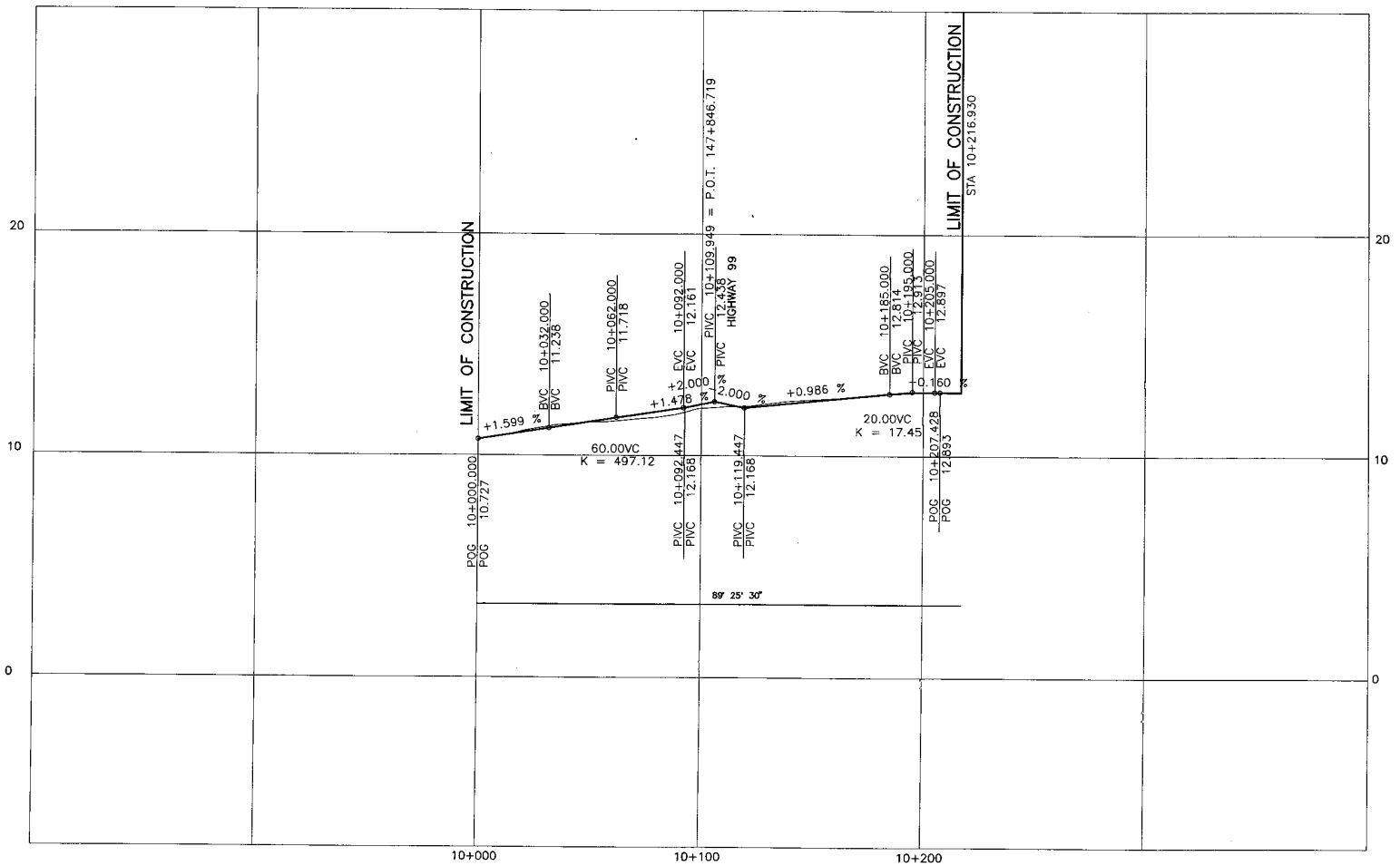
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS

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 Date: 2004/12/08 10:54:00 AM
 User: j.mccall



DESIGN SPEED 50 km/h

L1000 -LINE PROFILE

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Rev	Date	Description	Signature
PC	2004/01/10	ISSUED FOR PROPOSAL SUBMISSION	
PB	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/02	ISSUED FOR PROPOSAL SUBMISSION	

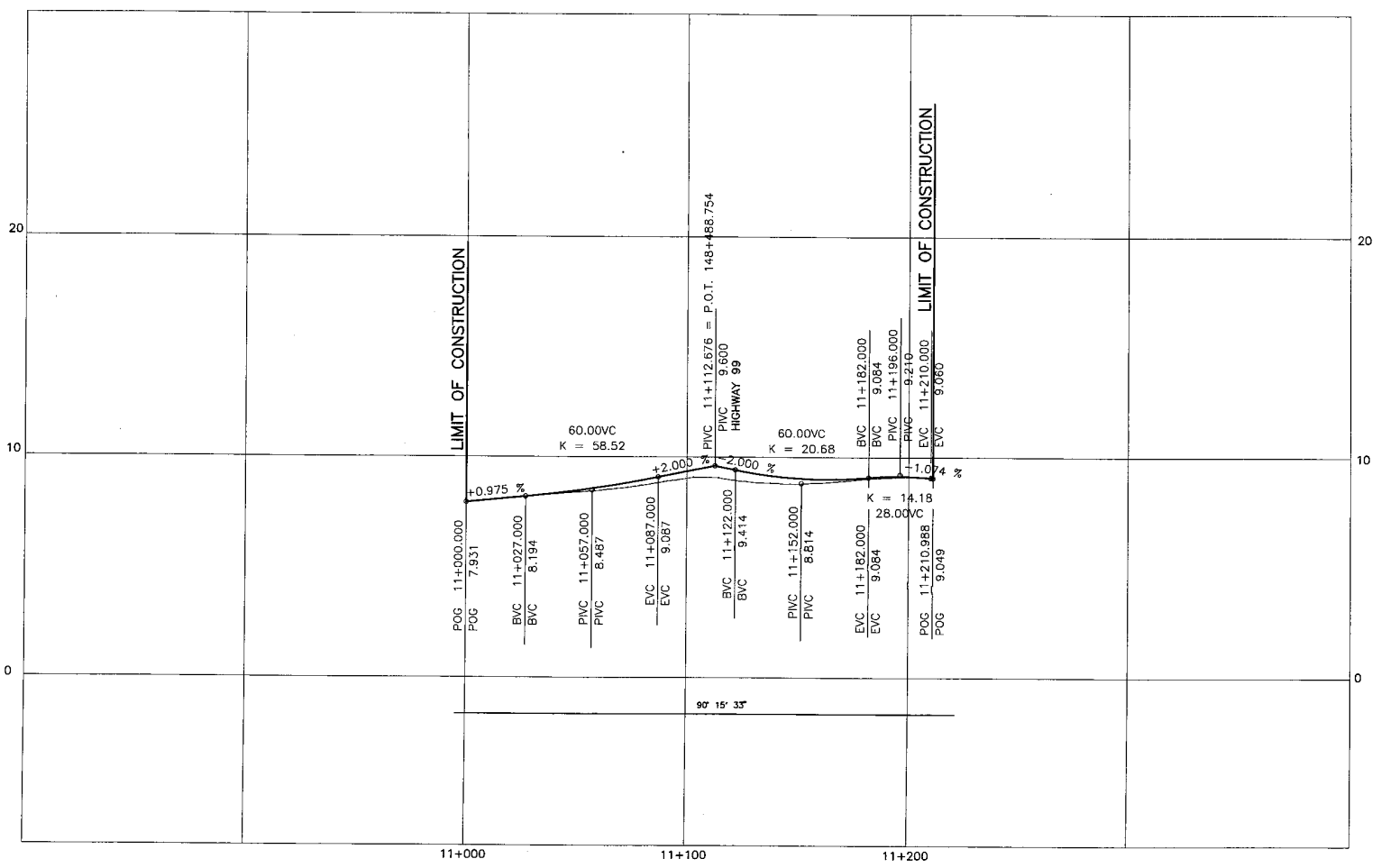
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 MAMQUAM ROAD
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NSLEA
 PREPARED UNDER THE DIRECTION OF: _____ SENIOR DESIGN ENGINEER
 DATE: _____

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0225-PC

REFERENCE DRAWINGS		REVISIONS	

DATE: 2004/12/09 - 3:25pm
 FILE: C:\Users\jdm\My Documents\214753-EN10-N\1000-0225.dwg
 USER: jdm



L1100 -LINE PROFILE

DESIGN SPEED 50 km/h

DWG. No.	Description	Rev.	Date	Description	Signature

SCALE 0 1:1000 50 0 1:100 5	DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____
PC 2006/01/10 ISSUED FOR PROPOSAL SUBMISSION PB 2006/11/22 ISSUED FOR PROPOSAL SUBMISSION FA 2006/06/06 ISSUED FOR PROPOSAL SUBMISSION	REVISIONS

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 GARIBALDI WAY
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NSLEA

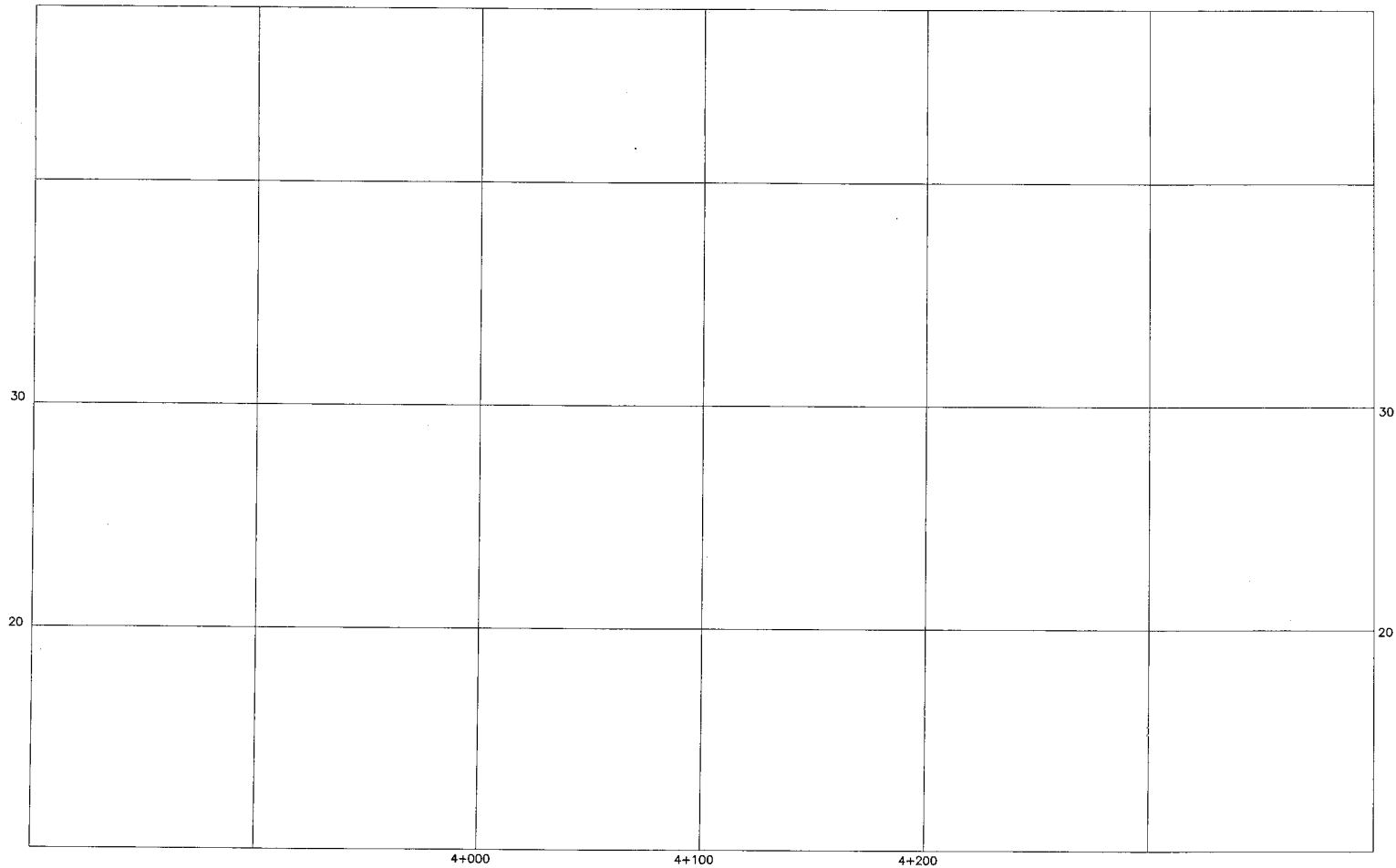
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____ DRAWING No. _____

FILE No. 214753-EN10-N PROJECT No. 09901-STS3 REGION 1 DRAWING No. 41DD-DB08-0226 PC

DATE: 2006/12/29 - 3:23pm
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c to 51/10mmx10mm - CIVIL 110-1000-0227 DWG

DATE: 2004/02/11 - 6:55pm
DRAWN BY: J. LAMONT
CHECKED BY: J. LAMONT



L400 -LINE PROFILE

DESIGN SPEED 50 km/h

NOTES:
1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 1424+029.035 AND 143+069.863 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

S2S TRANSPORTATION GROUP

SCALE: 0 1:1000 50 DESIGNED _____ DATE _____
 0 1:100 5 DRAWN _____ DATE _____
 0 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
 CLARKE DRIVE
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

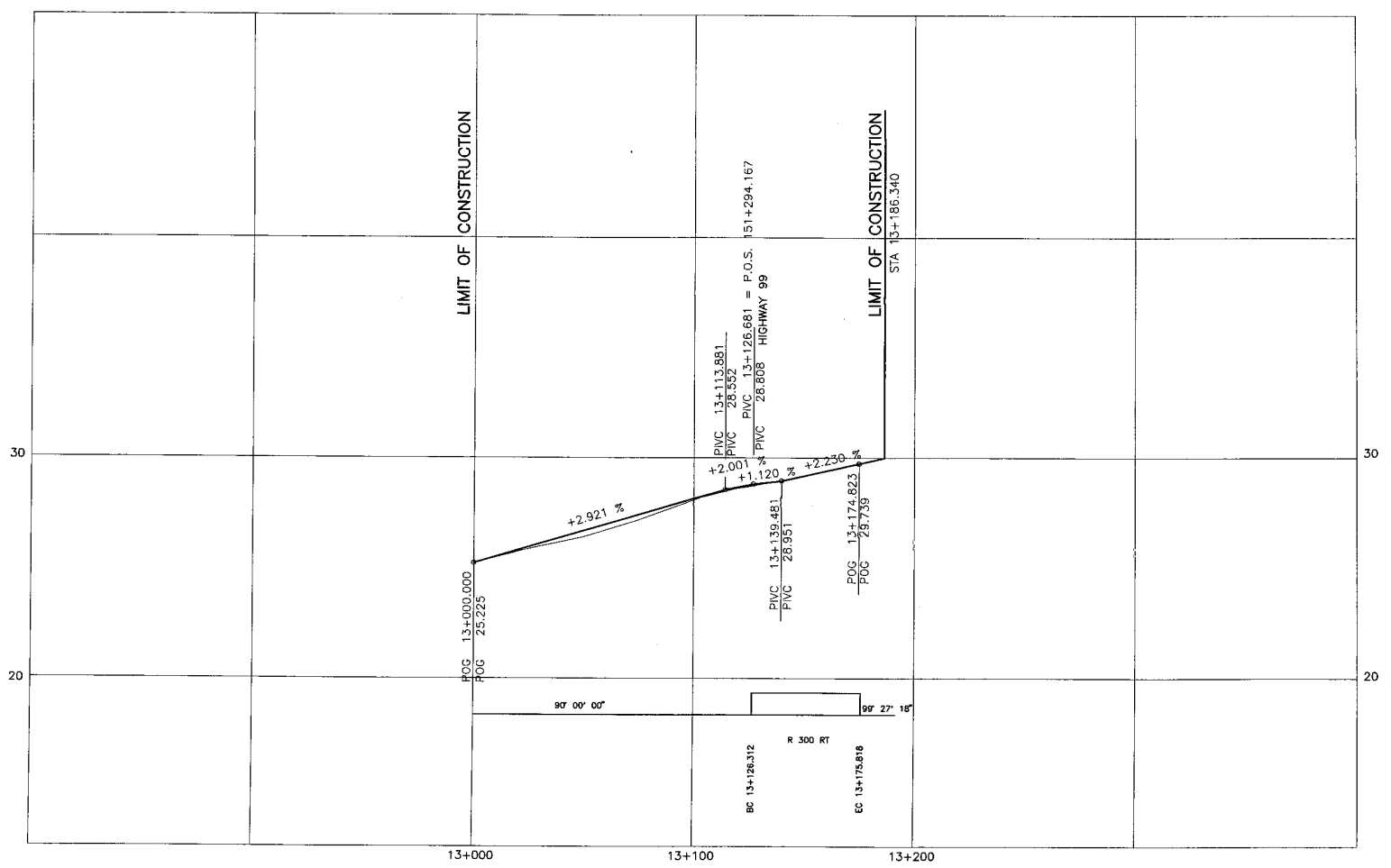
Rev	Date	Description	Signature
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FB	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/05/06	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NSLEA**

PREPARED UNDER THE DIRECTION OF _____
 SENIOR DESIGN ENGINEER _____
 DATE _____

FILE NO: 214753-EN10-N PROJECT NO: 09901-ST53 REGION: 1 DRAWING NO: 41DD-DB08-0227 PC

REFERENCE DRAWINGS REVISIONS



L1300 -LINE PROFILE

DESIGN SPEED 50 km/h

S2S TRANSPORTATION GROUP

SCALE: 0 1:1000 50
0 1:100 5

DESIGNED: _____ DATE: _____
CHECKED: _____ DATE: _____
DRAWN: _____ DATE: _____
APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
DEPOT ROAD
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description

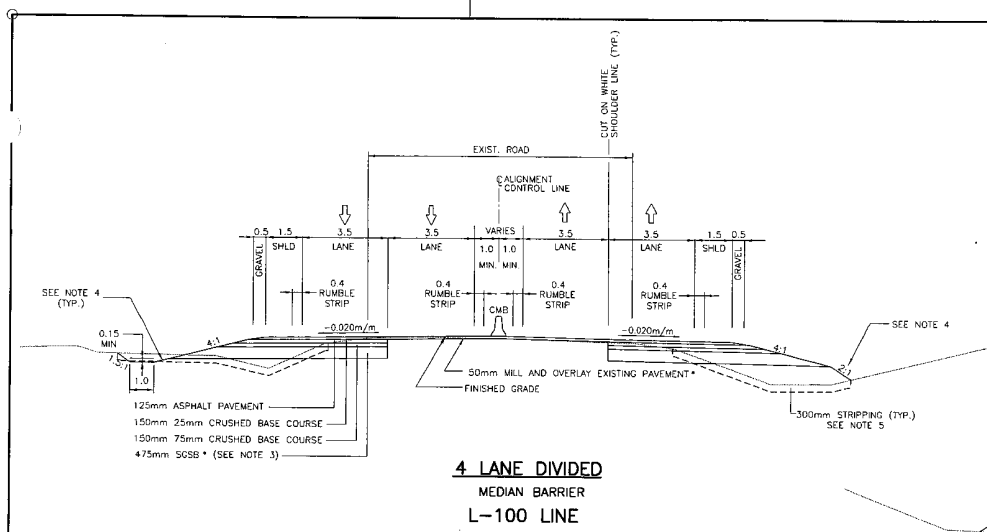
Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **NLEA**

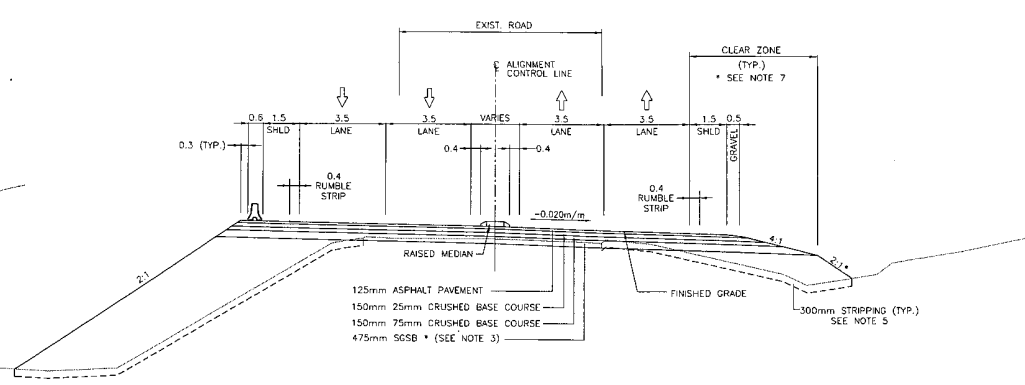
PREPARED UNDER THE DIRECTION OF: _____
SENIOR DESIGN ENGINEER: _____
DATE: _____

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0228 PC

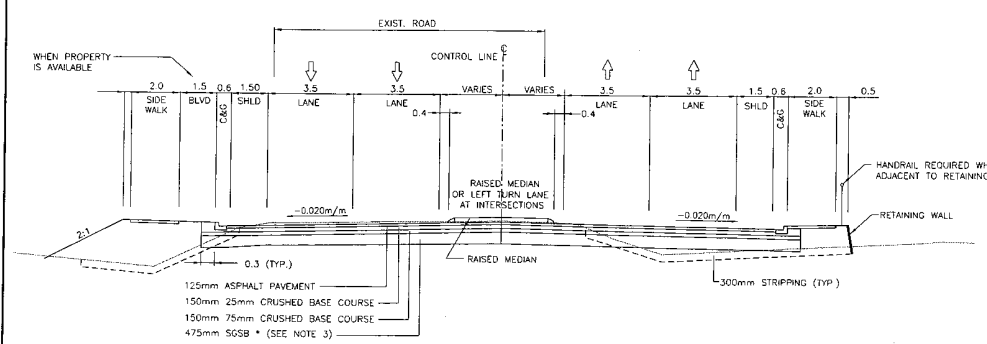
10/10/2009 10:12:58 AM
 C:\Users\jmacdon\OneDrive\Documents\214753-EN10-N\Drawings\41DD-DB08-0228-PC.dwg
 User: jmacdon



4 LANE DIVIDED
MEDIAN BARRIER
L-100 LINE



4 LANE DIVIDE
RAISED MEDIAN
L-100 LINE



4 LANE DIVIDED - CURB AND GUTTER BOTH SIDES
L-100 LINE

- NOTES *
- 1) TOPLIFT OF ASPHALT PAVEMENT SHALL BE OPEN GRADED FRICTION COURSE FROM STA: 142+000 TO STA: 151+500
 - 2) IN AREAS WHERE THE PROPOSED GRADE IS HIGHER THAN THE EXISTING GRADE ASPHALT LEVELLING COURSES, AC REMOVAL, GRAVEL SANDWICHES AND PULVERIZATION WILL BE EMPLOYED WHERE APPROPRIATE.
 - 3) ONLY 300mm OF SOBS REQUIRED WHEN UNDERLAIN BY IMPORTED GRANULAR EMBANKMENT
 FILL IN ACCORDANCE WITH M&T SS 201.37
 - 4) DITCH FORESLOPE CAN STEEPEN TO 1.5:1 WHEN DITCH > 0.3m BELOW THE BOTTOM OF THE SOBS
 - 5) FILL SLOPE WILL VARY AS FOLLOWS:
 1.5:1 FOR SHALLOW FILLS
 2:1 IN HIGHER FILLS (ie >3-4m)
 - 6) NO RUMBLE STRIP BETWEEN THE FOLLOWING STATION RANGES:
 STA: 143+600 TO STA: 143+790
 STA: 144+130 TO STA: 145+330
 STA: 145+710 TO STA: 146+500
 STA: 146+850 TO STA: 147+130
 STA: 148+710 TO STA: 148+800
 - 7) CLEAR ZONE:
 IN OPEN SHOULDER SECTIONS THE 4:1 SLOPE SHALL BE CONTINUED FOR A MINIMUM OF 5m
 OR TO THE BOTTOM OF THE SOBS, WHICHEVER IS GREATER.

DATE: 2005/07/03 11:42 AM PROJECT: STS3 - STAWAMUS SUBMISSION REV: 010 (S3) AUTHOR: VLEDD-D808-0301.dwg

DATE: 2005/07/03 11:42 AM PROJECT: STS3 - STAWAMUS SUBMISSION REV: 010 (S3) AUTHOR: VLEDD-D808-0301.dwg

S2S TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE	0 1:100 2	DESIGNED	DATE
		CHECKED	DATE
		DRAWN	DATE
		APPROVED	DATE
REV	DATE	DESCRIPTION	SIGNATURE
PC	2005/01/10	ISSUED FOR PROPOSAL SUBMISSION	
PR	2005/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2006/10/26	ISSUED FOR PROPOSAL SUBMISSION	

DBFO - HORSESHOE BAY TO WHISTLER
 TYPICAL SECTIONS
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

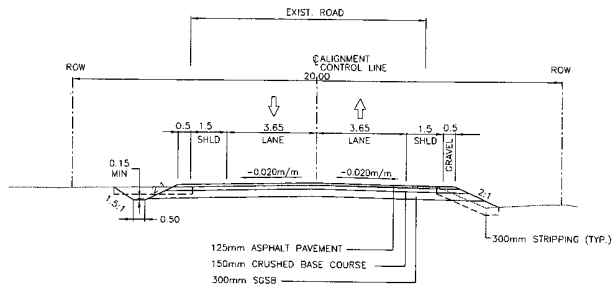
FILE No: 214753-EN10-N
 PROJECT No: 09901-ST53
 REGION: 1
 DRAWING No: 41DD-DB08-0301 PC

DWG. No.	Description	Rev	Date	Description	Signature

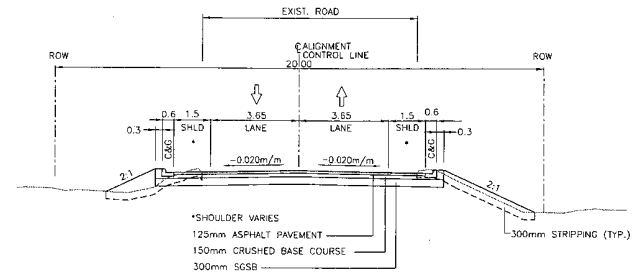
REFERENCE DRAWINGS

REVISIONS

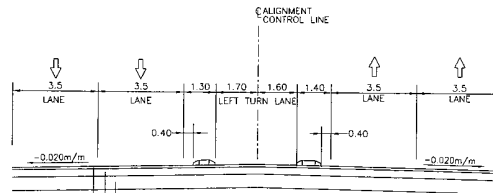
CANCEL PRINTS BEARING PREVIOUS LETTER



2 LANE UNDIVIDED RURAL – MINOR ROAD



2 LANE UNDIVIDED URBAN – MINOR ROAD



125mm ASPHALT PAVEMENT
 300mm CRUSHED BASE COURSE
 475mm SGSB * (SEE NOTE 3 DWG 0301)

**PROTECTED T INTERSECTION LEFT TURN
 L-100 LINE**

DATE: 2005/07/03 - 4
 DRAWN: L. MCDONALD
 CHECKED: J. MCDONALD
 PROJECT: DB08-0302-002.dwg

		DESIGNED: _____ DATE: _____ CHECKED: _____ DATE: _____ DRAWN: _____ DATE: _____ APPROVED: _____ DATE: _____	
SCALE 0 1:100 5			
Rev.	Date	Description	Signature
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PB	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/08	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
 TYPICAL SECTIONS

DBB – SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

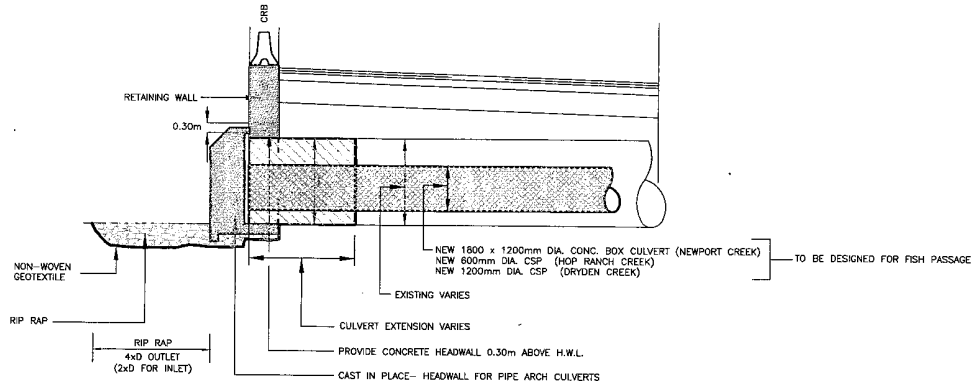
Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
		SENIOR DESIGN ENGINEER
FEE No.	PROJECT No.	RECON
214753-EN10-N	09901-ST53	1
	DRAWING No.	41DD-DB08-0302 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

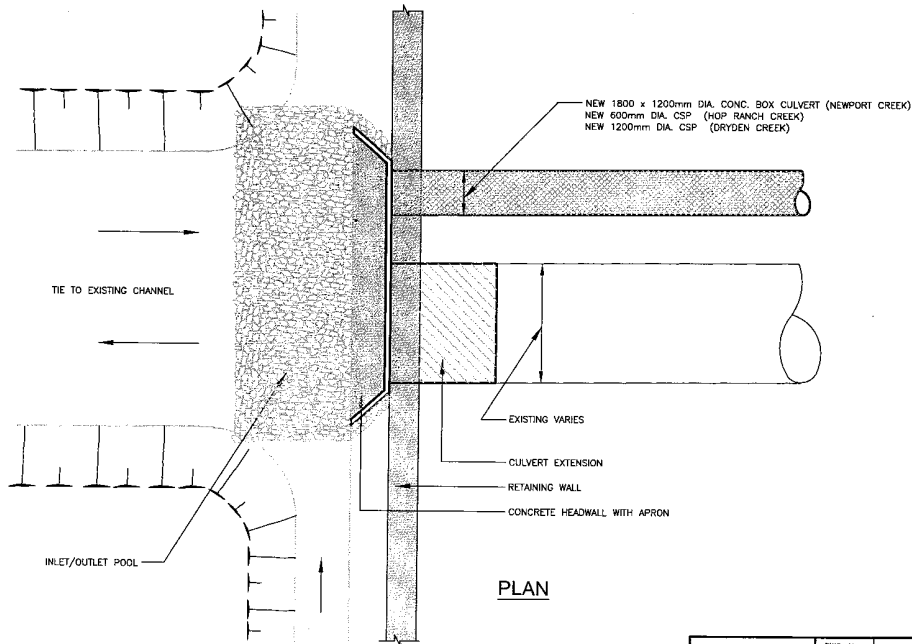
DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS



PROFILE



PLAN

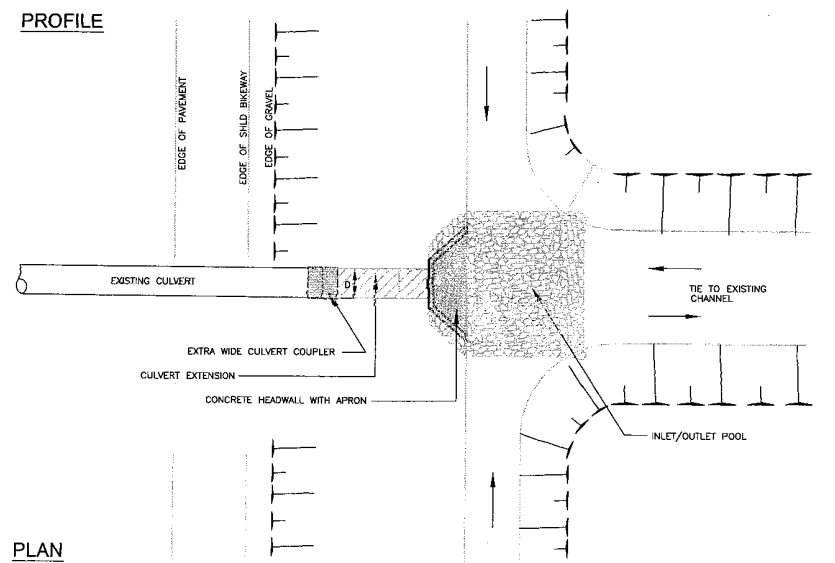
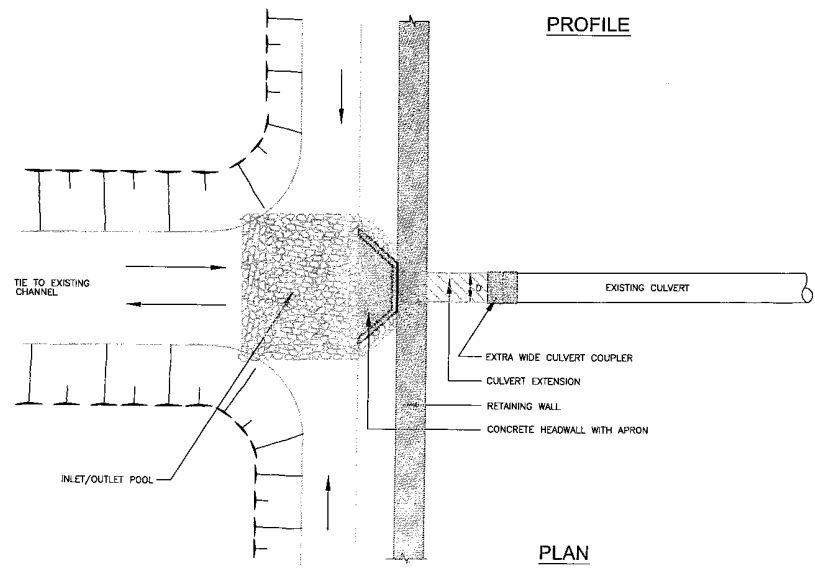
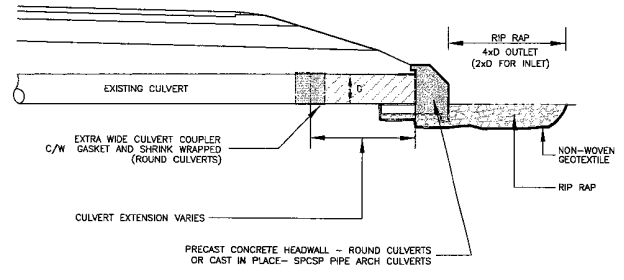
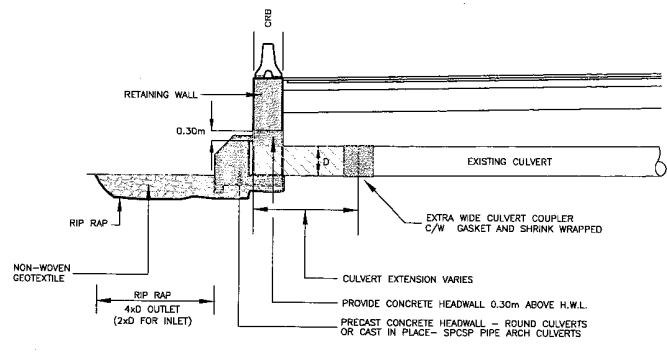
TYPICAL CULVERT DETAILS
 DRYDEN CREEK, HOP RANCH CREEK AND NEWPORT CREEK

DESIGNED _____ DATE _____ CHECKED _____ DATE _____ DRAWN _____ DATE _____ APPROVED _____ DATE _____		PROJECT MANAGERS 	
SCALE 0 1:100 5		DESIGN CONSULTANT 	
Rev PC 2006/01/10 PB 2006/11/21 PA 2006/10/06	Description ISSUED FOR PROPOSAL SUBMISSION ISSUED FOR PROPOSAL SUBMISSION ISSUED FOR PROPOSAL SUBMISSION	Signature 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE DRAWING No.
REFERENCE DRAWINGS		REVISIONS	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO – HORSESHOE BAY TO WHISTLER CULVERT SECTIONS
DB8 – SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH

PROJECT No. 09901-ST53 1
 FILE No. 214753-EN10-N
 REGION 1
 DRAWING No. 41DD-DB08-0303/PC

DATE 2006/12/09 - 4:57P
 C:\Users\jmacdon\Documents\100-0303-0303.dwg



PROFILE

PROFILE

PLAN

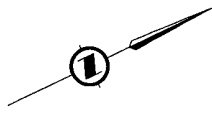
PLAN

TYPICAL CULVERT DETAILS

<p>S2S TRANSPORTATION GROUP</p>	<p>DESIGNED _____ DATE _____</p> <p>CHECKED _____ DATE _____</p> <p>DRAWN _____ DATE _____</p> <p>APPROVED _____ DATE _____</p>	
	<p>SCALE 0 1:100 5</p>	
	<p>Signature _____</p>	
<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>		
<p>DBFO - HORSESHOE BAY TO WHISTLER CULVERT SECTIONS</p>		
<p>DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH</p>		
<p>Project Managers Hatch Mott MacDonald</p>		<p>Design Consultant NSLEA</p>
<p>FILE No. 214753-EN10-N</p>		<p>PROJECT No. 09901-ST53</p>
<p>REVISIONS</p>		<p>PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____ DRAWING No. 41DD-DB08-0304 PC</p>

DWG. No.	Description	Rev	Date	Description	Signature
PC 2005/01/10	ISSUED FOR PROPOSAL SUBMISSION				
FB 2004/11/22	ISSUED FOR PROPOSAL SUBMISSION				
PA 2004/10/06	ISSUED FOR PROPOSAL SUBMISSION				

See also 2004/10/06/0088 - 0088/11/22/0088-0304-PC
 2004/11/22/0088-0304-PC
 2004/10/06/0088-0304-PC



HIGHWAY 99

LIMIT OF CONSTRUCTION
STA. 141 + 700.000

CONC. MEDIAN BARRIER

LANE LINES

LANE EDGE
PAVEMENT EDGE
SHOULDER EDGE

SHOULDER EDGE
PAVEMENT EDGE
LANE EDGE

EXTRUDED CONC. MEDIAN CURB

Ls 50
@ 2'12"13"

R
Δ
△
AD
ARC
Es

650.000 RT
15'10"27"
10'46"00"
111.600
122.146
5.902

DESIGN SPEED 80 km/h

NOTES:

- IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+028.035 AND 143+069.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 141+700 TO STA. 142+100
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

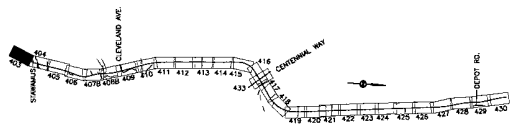
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NDLEA**

PREPARED UNDER THE DIRECTION OF: _____
SENIOR DESIGN ENGINEER: _____
DATE: _____

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 410D-DB08-0403 PC

DRG. No.	Description	Rev	Date	Description	Signature
PC 0905/01/14	ISSUED FOR PROPOSAL SUBMISSION				
PS 2004/11/20	ISSUED FOR PROPOSAL SUBMISSION				
PA 2004/10/06	ISSUED FOR PROPOSAL SUBMISSION				
REFERENCE DRAWINGS		REVISIONS			



MATCHLINE 410D-DB08-0404

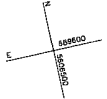
Drawn by: P. (L) [Signature] Date: 2004/10/06 - 2004/10/06

Scale: 1:500
Date: 2004/10/06

CANCEL PRINTS BEARING PREVIOUS LETTER



MATCHLINE 41DD-DB08-0403



MATCHLINE 41DD-DB08-0405

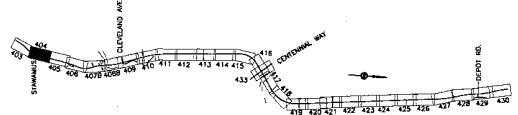
DESIGN VEHICLE:
WB15 FOR ALL MOVEMENTS TO/FROM
STAWAMUS FORESTRY ROAD

DESIGN VEHICLE:
WB20 FOR ALL MOVEMENTS
TO/FROM VALLEY DRIVE

NOTES:
1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+069.965 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

DESIGN SPEED 80 km/h
STA. 142+200 (BACK)

DESIGN SPEED 70 km/h
STA. 142+200 (AHEAD)



S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 142+100 TO STA. 142+475
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NOLEA**

PREPARED UNDER THE DIRECTION OF
SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N PROJECT No. 09901-ST3S RECON 1 DRAWING No. 41DD-DB08-0404 PC

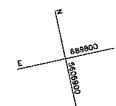
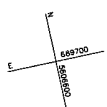
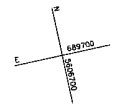
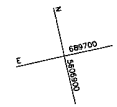
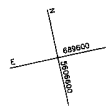
REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

DATE: 2004/12/09 - 4:36 PM
DRAWN BY: J. BROWN
CHECKED BY: J. BROWN
APPROVED BY: J. BROWN

MATCHLINE 4100-DB08-0404

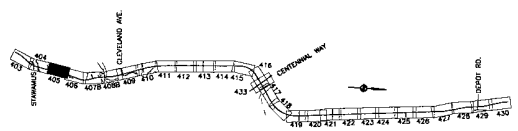
MATCHLINE 4100-DB08-0416



NOTES:

1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+069.905 ARE COVERED BY THE PROVINCE'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBFO OFFER.

DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LAINING
STA. 142+475 TO STA. 142+860
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**

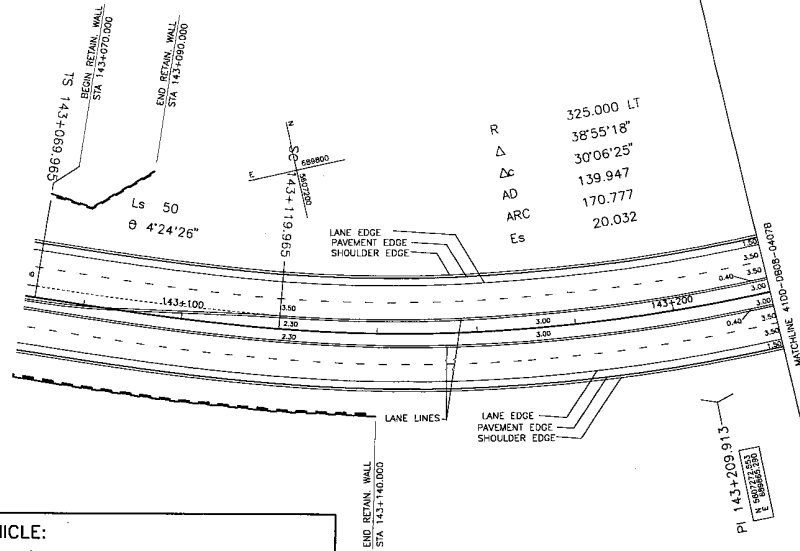
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE No: **214753-EN10-N** PROJECT No: **09901-STJS3** REGION: **1** DRAWING No: **4100-DB08-0405 PC**

CANCEL PRINTS BEARING PREVIOUS LETTER

DATE: 2006/12/09 - 5:17 PM
 DRAWN: M. MONTGOMERY
 CHECKED: M. MONTGOMERY
 - See in 2006/12/09 - 5:17 PM
 - See in 2006/12/09 - 5:17 PM
 - See in 2006/12/09 - 5:17 PM

MATCHLINE 4100-DB06-0405

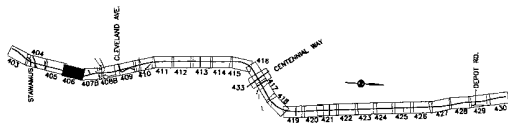


R 325.000 LT
 Δ 38'55'18"
 Δ c 30'06'25"
AD 139.947
ARC 170.777
Es 20.032

DESIGN VEHICLE:
 WB15 TO/FROM CLARKE DRIVE
 WB20 FOR ALL OTHER MOVEMENTS

NOTES:
 1. IN ACCORDANCE WITH VOLUME 1, SECTION 3.3 THE COSTS OF DESIGN AND CAPITAL IMPROVEMENTS BETWEEN THE LIMITS OF STA. 142+029.035 AND 143+069.965 ARE COVERED BY THE PROJECT'S PROVISIONAL FUNDS AND ARE NOT INCLUDED IN THE S2S TRANSPORTATION GROUP DBB OFFER.

DESIGN SPEED 70 km/h



S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANNING
 STA. 142+880 TO STA. 143+220
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev.	Date	Description	Signature
PC	2006/01/08			ISSUED FOR PROPOSAL SUBMISSION	
PE	2004/11/22			ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/06			ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NDLEA**

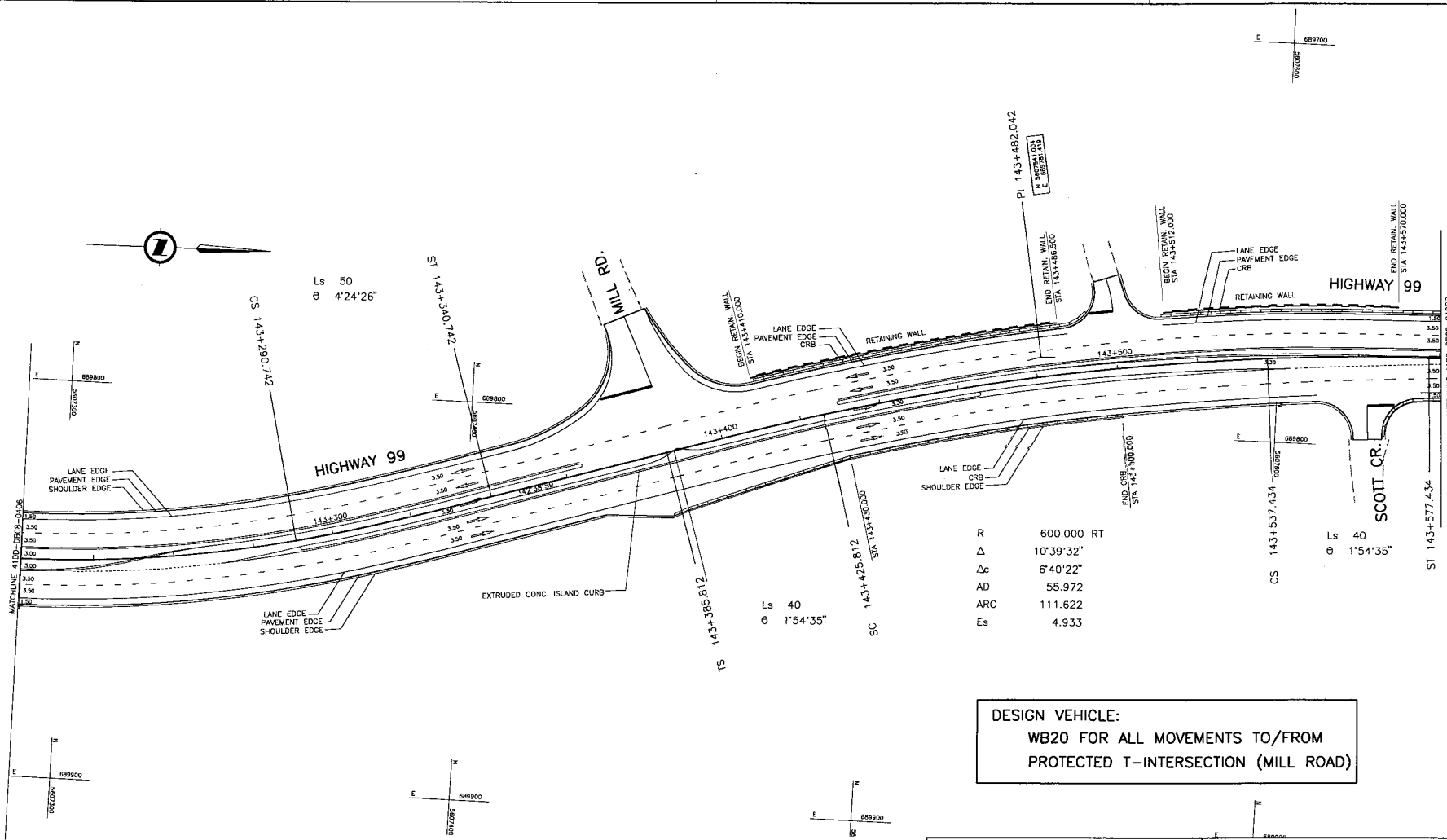
PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N
 PROJECT No. 09901-STJ3
 REGION 1
 DRAWING No. 41DD-DB08-0406 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

DATE: 2004/11/22 - 6:58 PM
 USER: jmacdonald
 C:\N\41DD-DB08-0406-0406.dwg
 41DD-DB08-0406



Ls 50
θ 4'24'26"

CS 143+290.742

HIGHWAY 99

HIGHWAY 99

SCOTT CR.

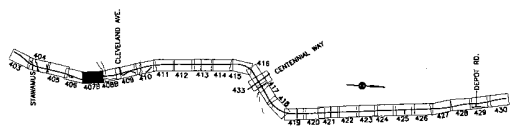
R 600.000 RT
 Δ 10°39'32"
 Δc 6'40'22"
 AD 55.972
 ARC 111.622
 Es 4.933

Ls 40
θ 1'54'35"

Ls 40
θ 1'54'35"

DESIGN VEHICLE:
 WB20 FOR ALL MOVEMENTS TO/FROM
 PROTECTED T-INTERSECTION (MILL ROAD)

DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

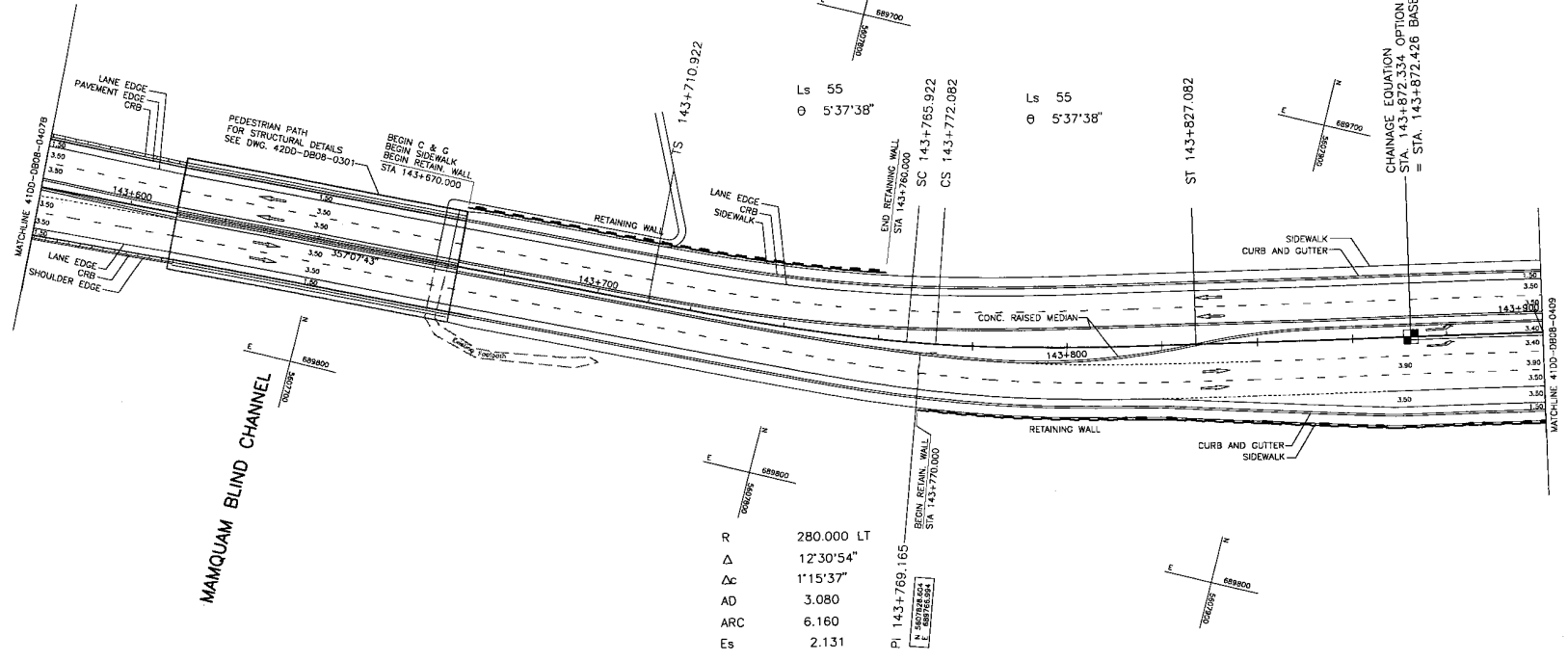
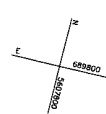
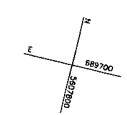
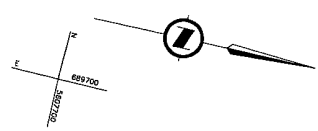
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 143+220 TO STA. 143+580
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____ DRAWING No. _____

FILE No. 214753-EN10-N PROJECT No. 09901-STSS REVISION 1 DRAWING No. #1DD-DB08-0407BPC

CANCEL PRINTS BEARING PREVIOUS LETTER

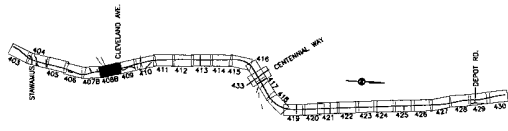


MAMQUAM BLIND CHANNEL

R 280.000 LT
 Δ 12'30'54"
 Δc 1'15'37"
 AD 3.080
 ARC 6.160
 Es 2.131

PI 143+769.165
 STA 143+770.000
 STA 143+770.000

DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

Rev	Date	Description	Signature
PC	2005/01/10	ISSUED FOR PROPOSAL SUBMISSION	
PE	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/03/08	ISSUED FOR PROPOSAL SUBMISSION	

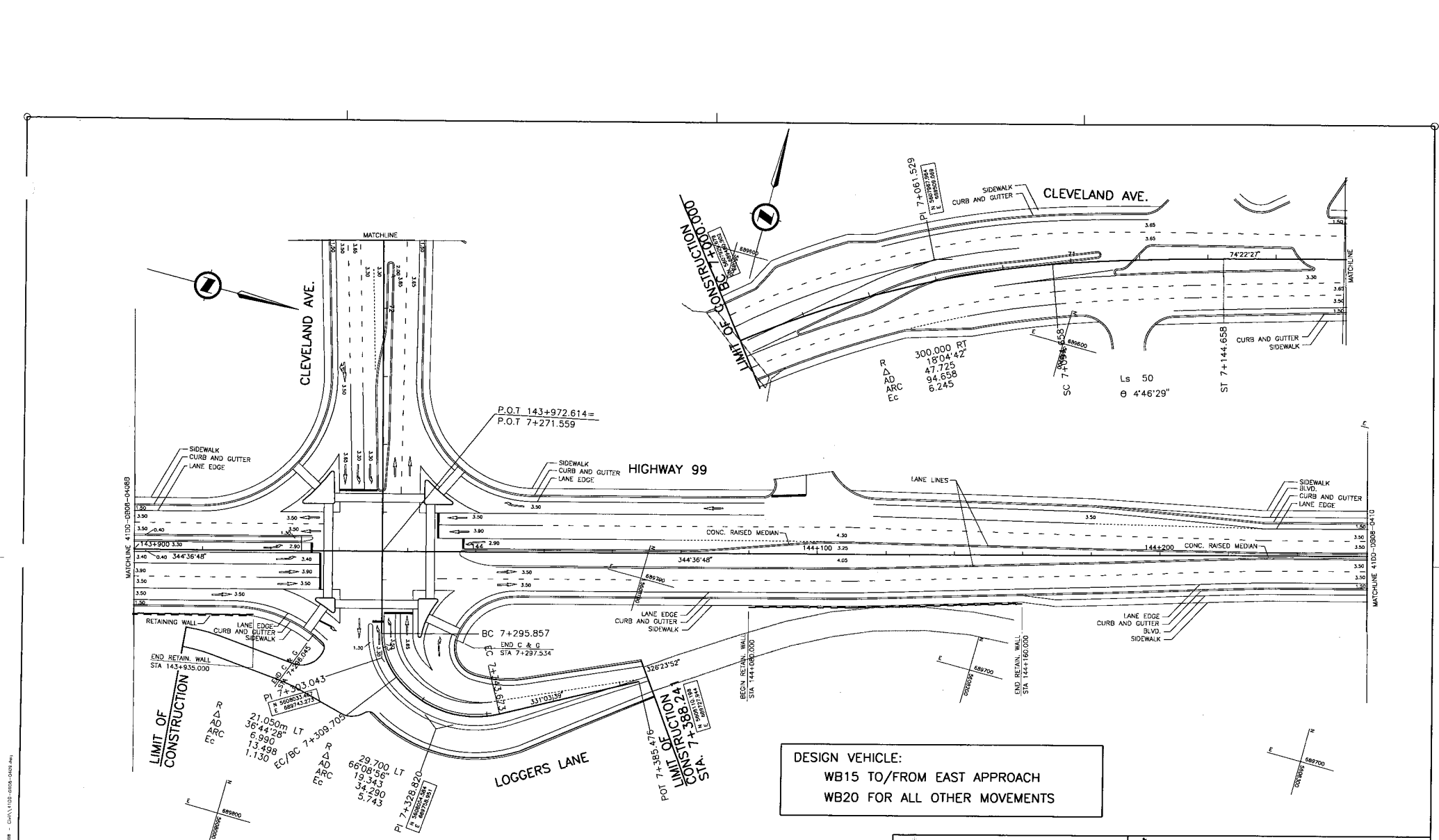
MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANNING
 STA. 143+580 TO STA. 143+900
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**

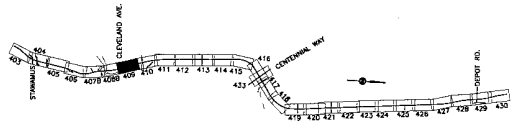
FILE No. 214753-EN10-N
 PROJECT No. 09901-ST53
 RIGION 1
 DRAWING No. 41DD-DB08-0408BPC

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN VEHICLE:
 WB15 TO/FROM EAST APPROACH
 WB20 FOR ALL OTHER MOVEMENTS

DESIGN SPEED 70 km/h



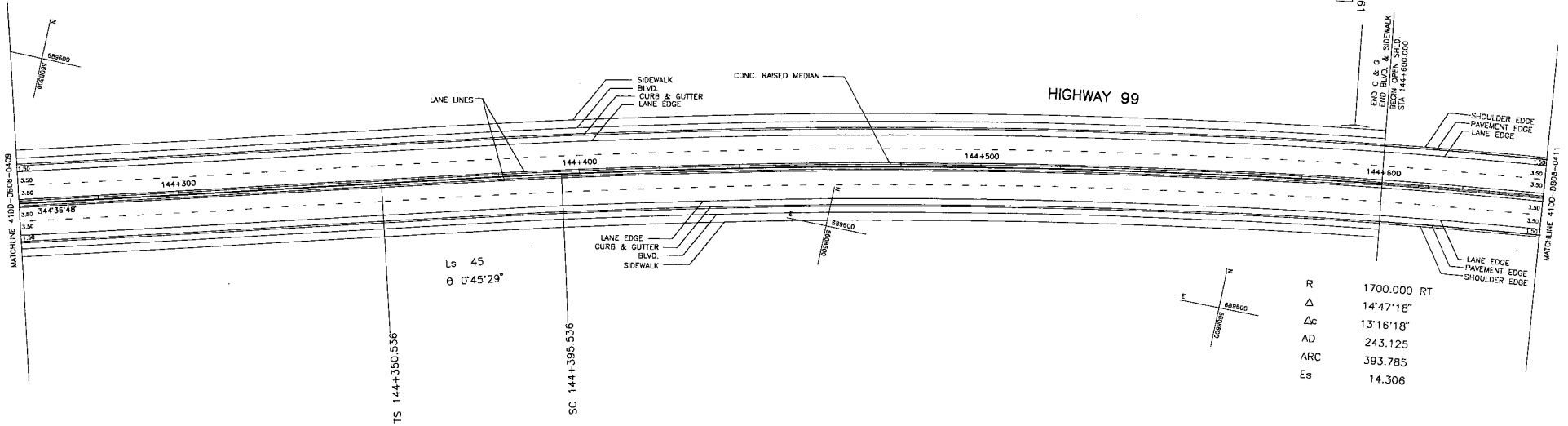
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DWG. No. _____ Description _____		PREPARED UNDER THE DIRECTION OF _____ SENIOR DESIGN ENGINEER _____ DATE _____	
REFERENCE DRAWINGS _____		REVISIONS _____	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANDING
 STA. 143+900 TO STA. 144+260
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: Hatch Mott MacDonald
 Design Consultant: INDLEA
 FILE No. 214753-EN10-N
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB08-0409

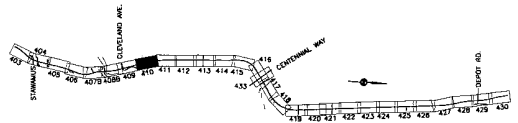
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 DRAWN BY: J. W. WILSON
 CHECKED BY: J. W. WILSON
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB08-0409

CANCEL PRINTS BEARING PREVIOUS LETTER



R	1700.000 RT
Δ	14°47'18"
Δc	13°16'18"
AD	243.125
ARC	393.785
Es	14.306

DESIGN SPEED 70 km/h



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 144+260 TO STA. 144+640
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

OWC. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NDLEA**

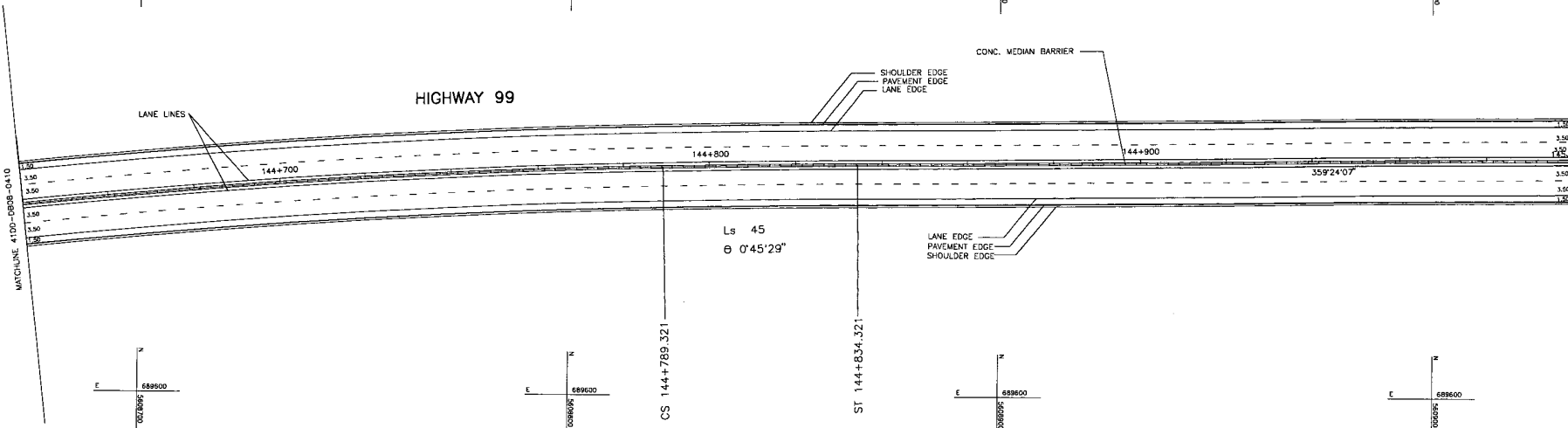
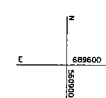
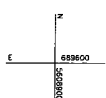
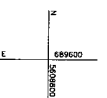
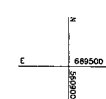
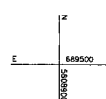
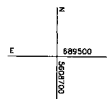
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FILE No. 214753-EN10-N PRODUCT No. 09901-ST53 REGION 1 DRAWING No. 410D-D808-0410-PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

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 USER: J. LINDA

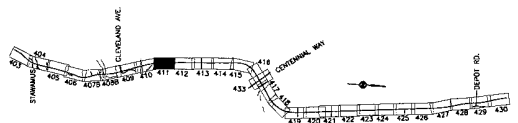


Ls 45
 θ 0°45'29"

CS 144+789.321

ST 144+834.321

DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature
PC	2005/01/10			ISSUED FOR PROPOSAL SUBMISSION	
PS	2004/11/25			ISSUED FOR PROPOSAL SUBMISSION	
PA	2004/10/28			ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SZS TRANSPORTATION GROUP

SCALE 1:500

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

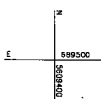
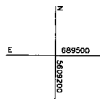
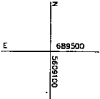
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 144+640 TO STA. 145+000
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NZLEA**

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0411 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

- See also: S:\Projects\0905 - CIVIL\41DD-DB08-0411.dwg
 FILE: 214753-EN10-N.dwg
 USER: J. Smith
 DATE: 2005/01/10



HIGHWAY 99

LANE LINES

SHOULDER EDGE
PAVEMENT EDGE
LANE EDGE

CONC. MEDIAN BARRIER

LANE EDGE
PAVEMENT EDGE
SHOULDER EDGE

145+100

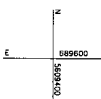
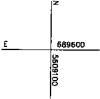
145+200

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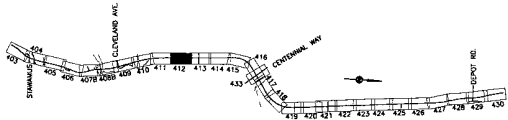
145+300

MATCHLINE 4100-DB08-0411

MATCHLINE 4100-DB08-0413



DESIGN SPEED 70 km/h



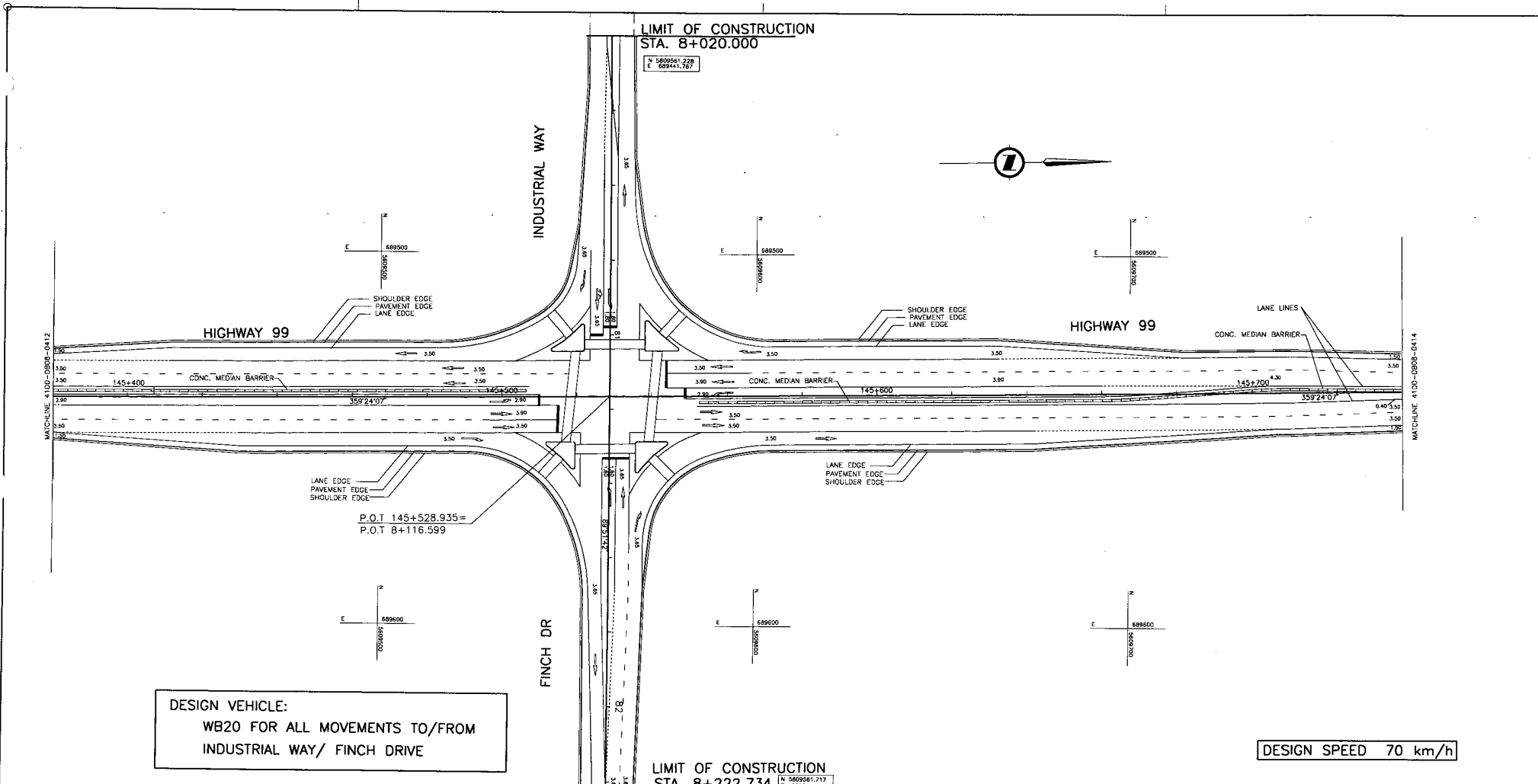
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PB	2004/11/22	ISSUED FOR PROPOSAL SUBMISSION			
PA	2004/10/28	ISSUED FOR PROPOSAL SUBMISSION			
REFERENCE DRAWINGS		REVISIONS			

		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LAINING STA. 145+000 TO STA. 145+380 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Managers 		Design Consultant 	
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1	DRAWING No. 410D-DB08-0412 PC
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER			

CANCEL PRINTS BEARING PREVIOUS LETTER

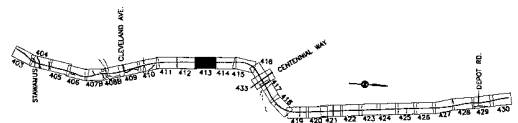
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CHECKED BY: J. W. B. / J. W. B.
SCALE: 1:500
PROJECT: SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DRAWING: DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH



DESIGN VEHICLE:
WB20 FOR ALL MOVEMENTS TO/FROM
INDUSTRIAL WAY/ FINCH DRIVE

DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS REVISIONS

SR
S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANDING
STA. 145+380 TO STA. 145+740
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

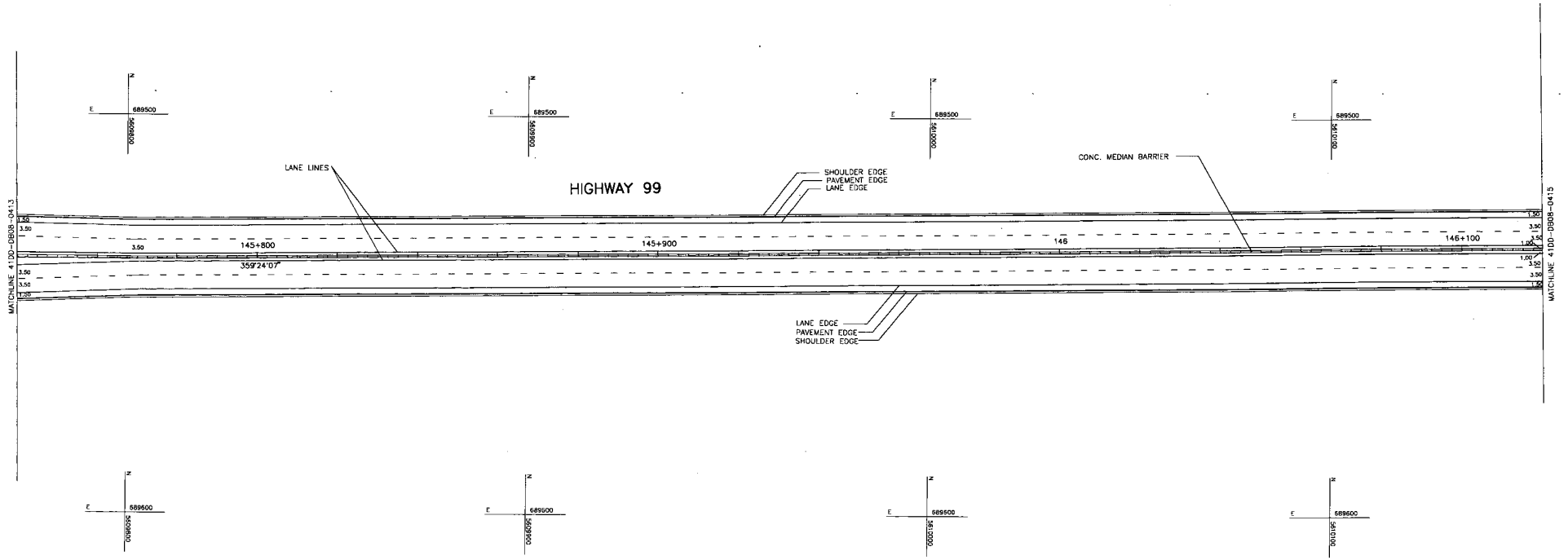
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Design Consultant: **NDL&A**

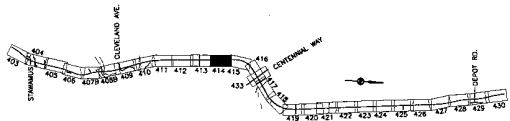
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FILE No: 214753-EN10-N
PROJECT No: 09901-ST53
REGION: 1
DRAWING No: 41DD-DB08-0413 PC

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

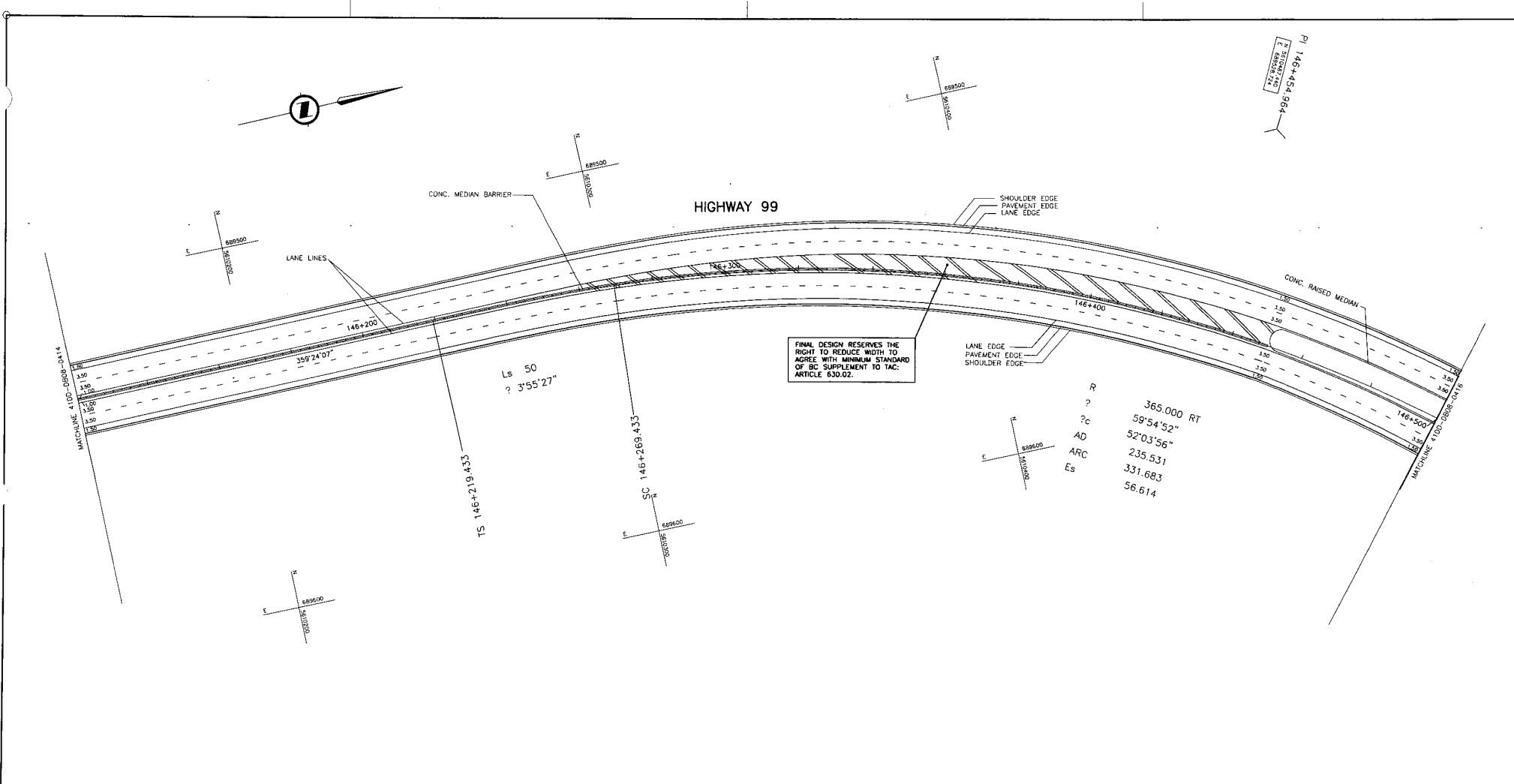
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REFERENCE DRAWINGS		
		REVISIONS

		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANEING STA. 145+740 TO STA. 146+120 DB8 - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH			
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER DATE _____	
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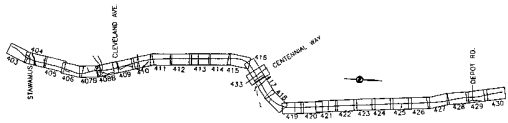
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 User: j.murray

DATE: 2002/04/04 9:00 AM
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 CHECKED BY: J. STANLEY
 PROJECT: SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DRAWING: 41DD-DB08-0415

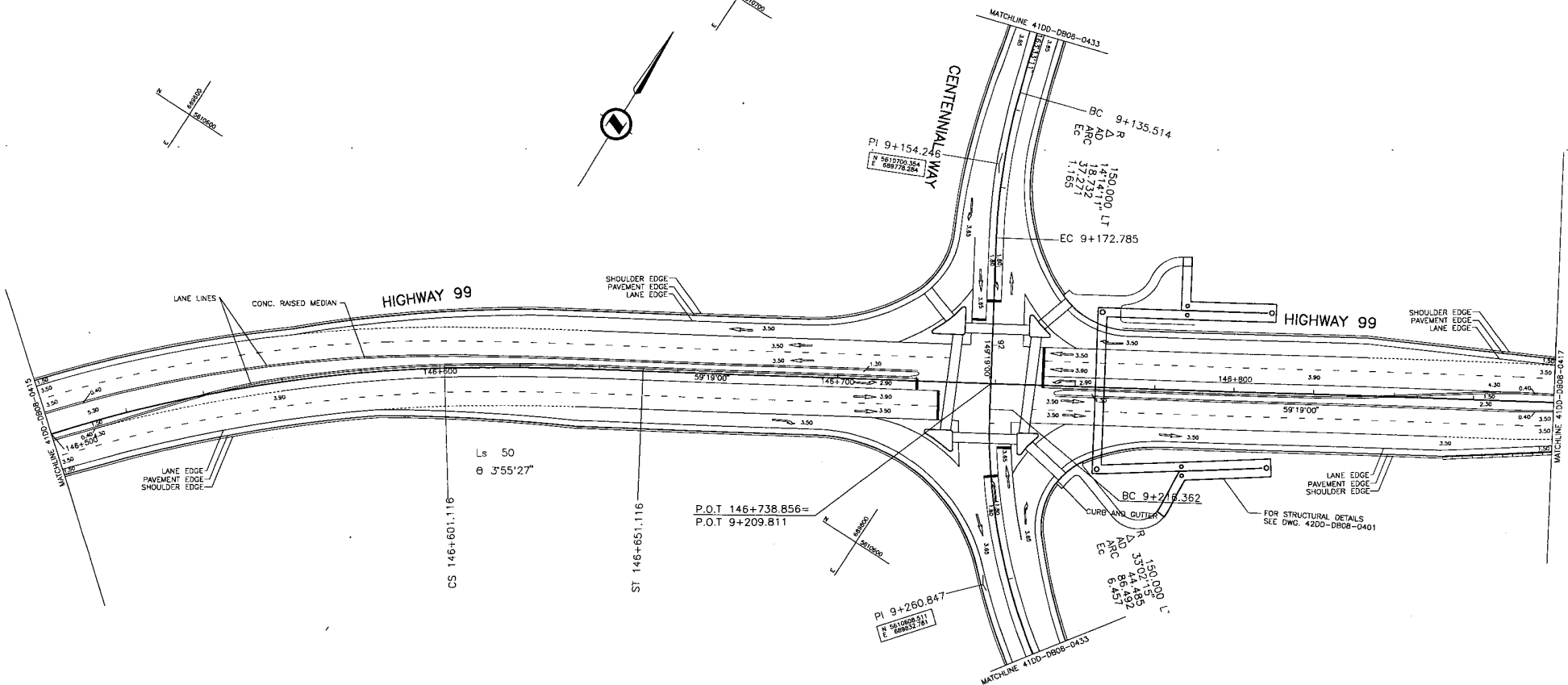
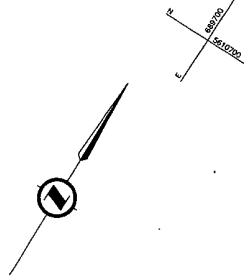


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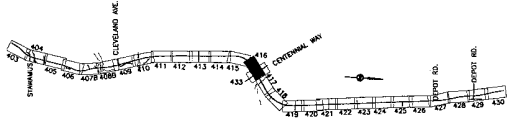
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<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature																									<table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> Project Managers Hatch Mott MacDonald </td> <td> Design Consultant NOLEA </td> </tr> <tr> <td> FILE No. 214753-EN10-N </td> <td> PROJECT No. 09901-ST53 </td> </tr> <tr> <td> REGION 1 </td> <td> DRAWING No. 41DD-DB08-0415 PC </td> </tr> </table>				Project Managers Hatch Mott MacDonald	Design Consultant NOLEA	FILE No. 214753-EN10-N	PROJECT No. 09901-ST53	REGION 1	DRAWING No. 41DD-DB08-0415 PC
DWG. No.	Description	Rev	Date	Description	Signature																																				
Project Managers Hatch Mott MacDonald	Design Consultant NOLEA																																								
FILE No. 214753-EN10-N	PROJECT No. 09901-ST53																																								
REGION 1	DRAWING No. 41DD-DB08-0415 PC																																								
REFERENCE DRAWINGS		REVISIONS																																							

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN VEHICLE:
WB20 FOR ALL MOVEMENTS
TO/FROM CENTENNIAL WAY

DESIGN SPEED 70 km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 146+500 TO STA. 148+800
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature
PC 2005/01/04	ISSUED FOR PROPOSAL SUBMISSION				
PS 2006/11/22	ISSUED FOR PROPOSAL SUBMISSION				
PA 2006/10/08	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **INDLEA**

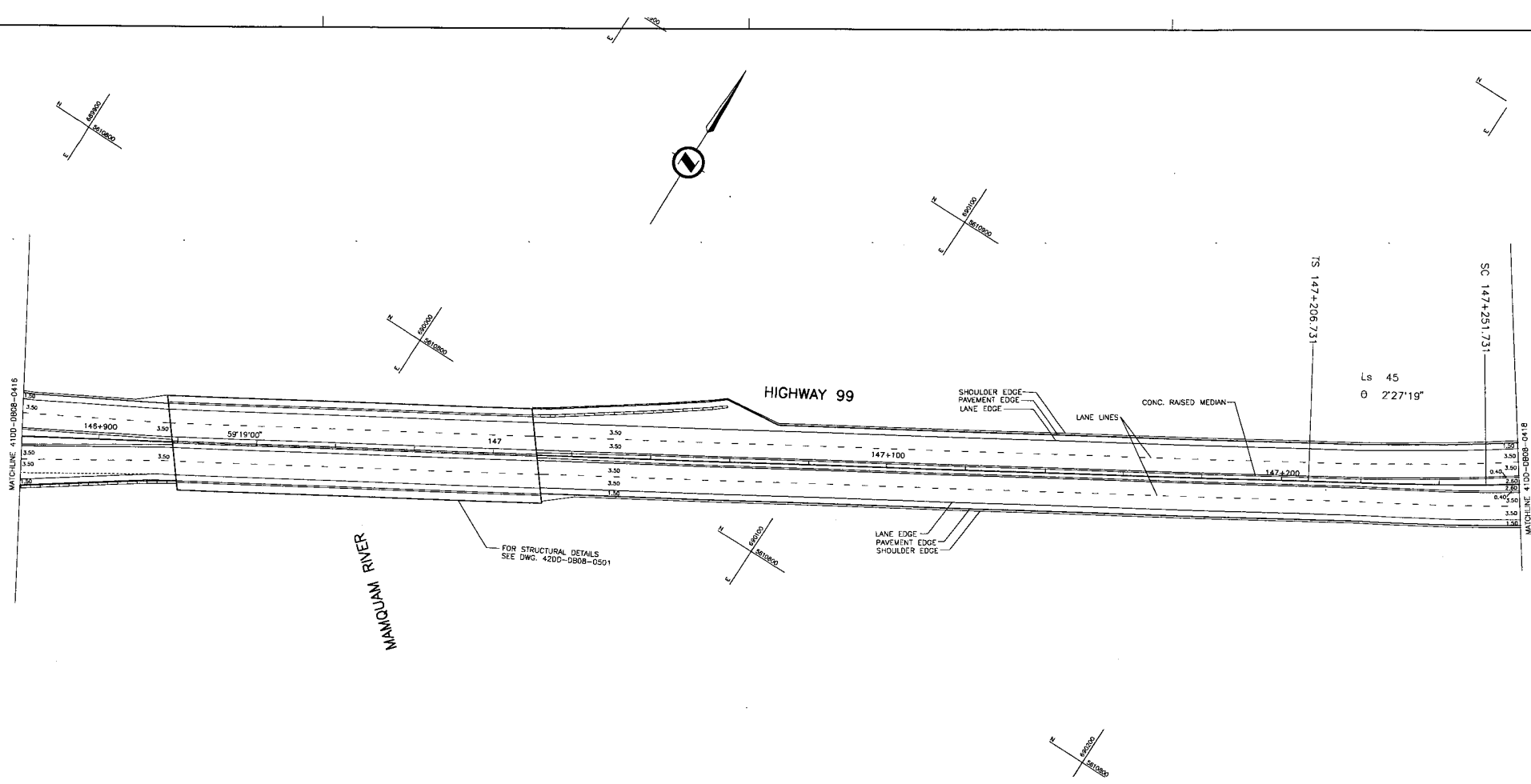
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FILE No. 214753-EN10-N
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB08-0416 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

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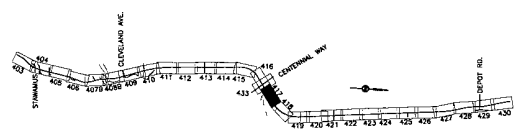


RIVER WATKINMAN

FOR STRUCTURAL DETAILS
SEE DWG. 420D-DB08-0501

LANE EDGE
PAVEMENT EDGE
SHOULDER EDGE

DESIGN SPEED 70 km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 146+880 TO STA. 147+260
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NDLEA**

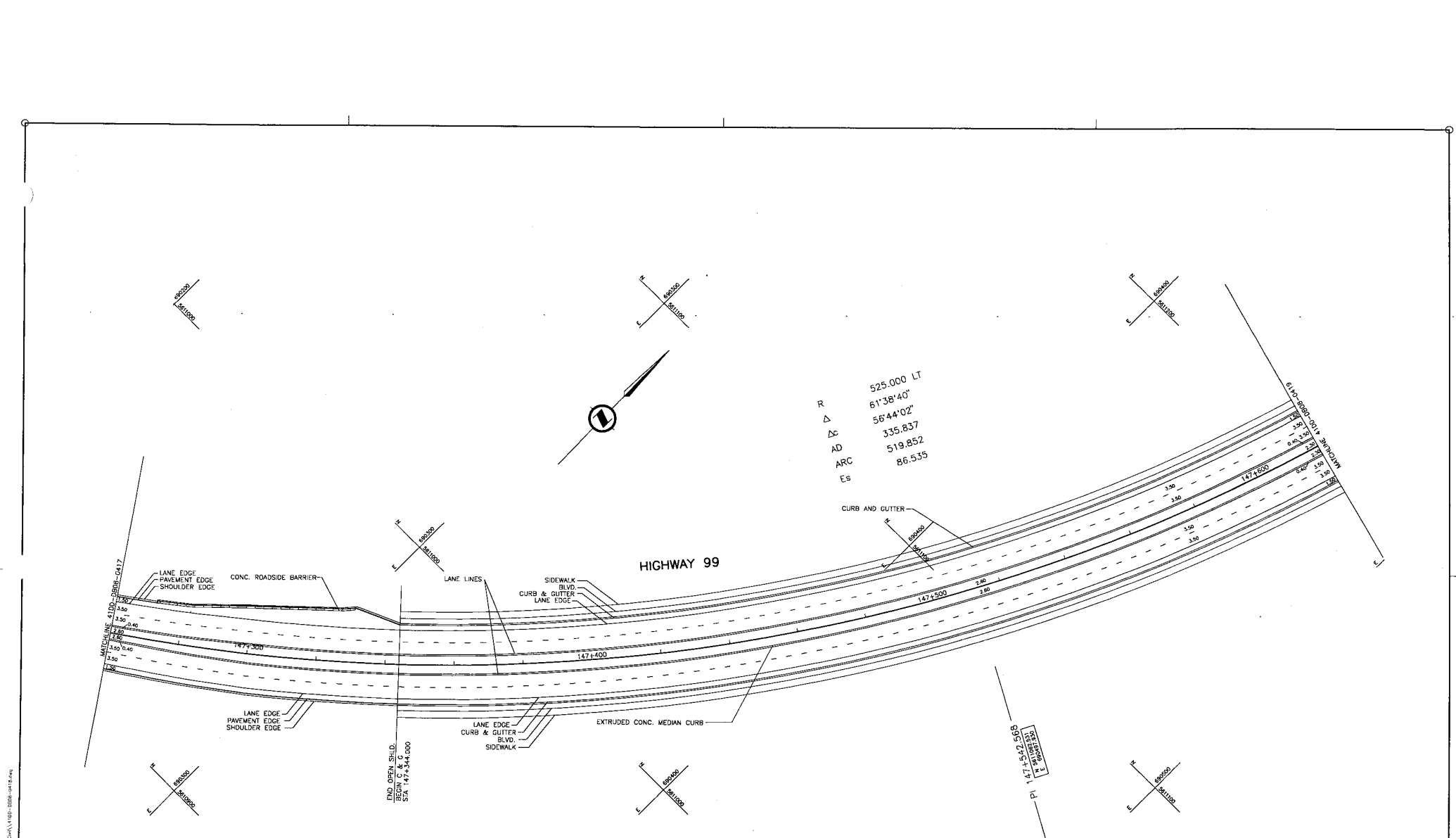
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PROJECT No.: 09901-STSS
REGION: 1

PREPARED UNDER THE DIRECTION OF:
SENIOR DESIGN ENGINEER
DATE: _____
DRAWING No.: 41DD-DB08-0417 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

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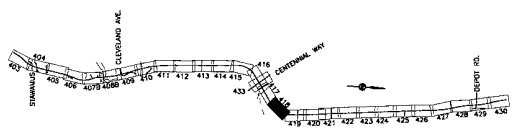


R 525.000 LT
 Δ 61°38'40"
 Δc 56°44'02"
 AD 335.837
 ARC 519.852
 Es 86.535

HIGHWAY 99

DESIGN SPEED 70 km/h

PI 147+542.568
 R 60000
 S1/S2



SRS
 TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 147+260 TO STA. 147+620
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

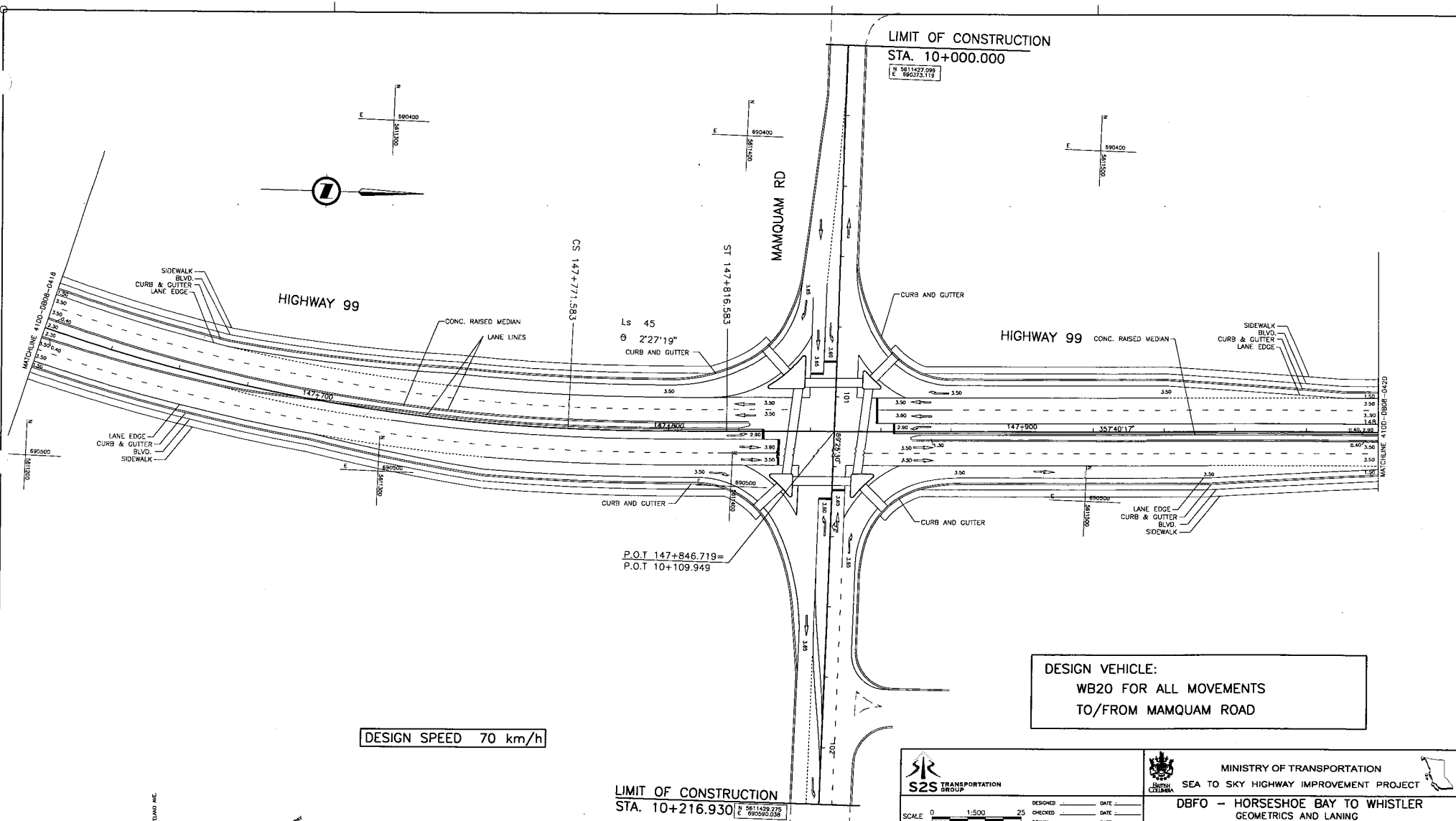
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NLEA**

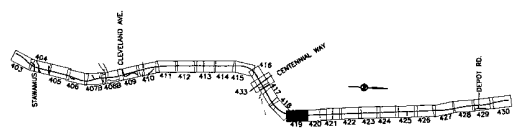
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 REGION 1
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REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



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 User: JLM
 Scale: 1:1



LIMIT OF CONSTRUCTION
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E 9925990.030

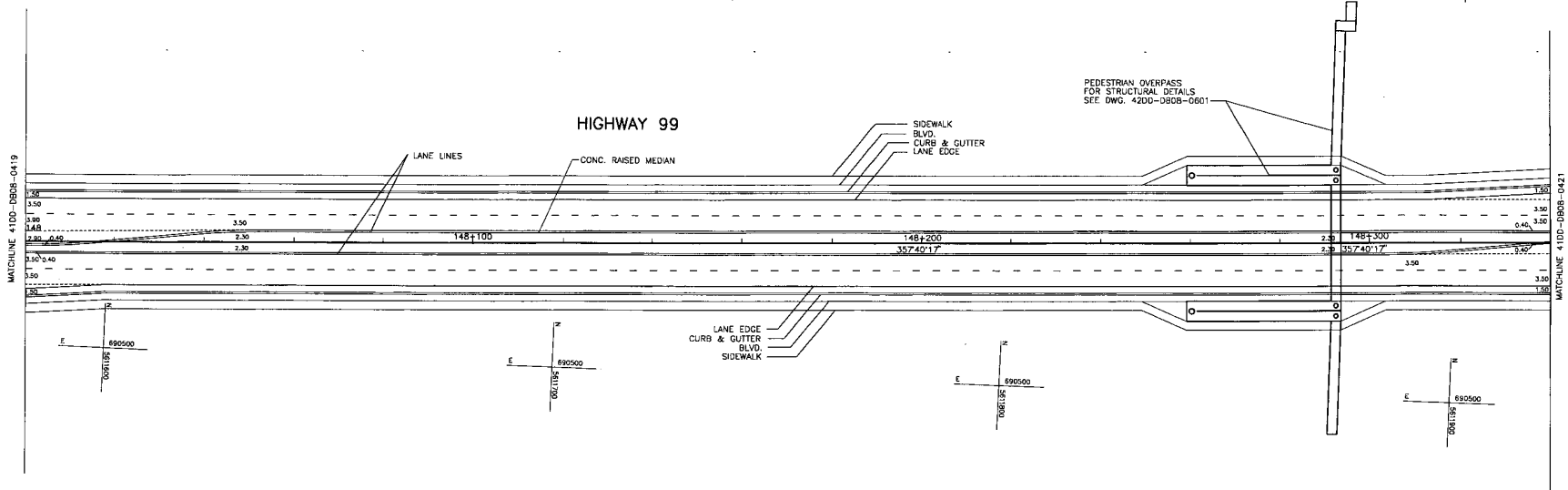
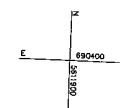
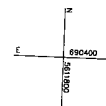
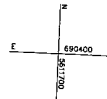
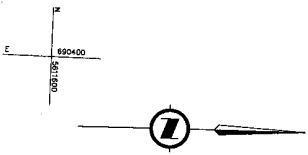
S2S TRANSPORTATION GROUP
 SCALE 0 1:500 25
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 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 147+620 TO STA. 148+000
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

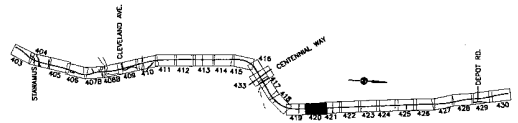
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PD	2024/11/27	ISSUED FOR PROPOSAL SUBMISSION			
PA	2024/10/28	ISSUED FOR PROPOSAL SUBMISSION			

Project Managers: Hatch Mott MacDonald
 Design Consultant: NDLEA
 PREPARED UNDER THE DIRECTION OF:
 SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-N
 PROJECT No. 09901-ST53
 REVISION 1
 DRAWING No. 41DD-0808-0419 PC

REFERENCE DRAWINGS _____ REVISIONS _____
 CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 70 km/h



DWG. No.	Description	Rev	Date	Description	Signature

SRS TRANSPORTATION GROUP
 SCALE 0 1:500 25
 REVISIONS: SEARCHED, CHECKED, DRAWN, APPROVED with date fields.

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 148+000 TO STA. 148+340
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

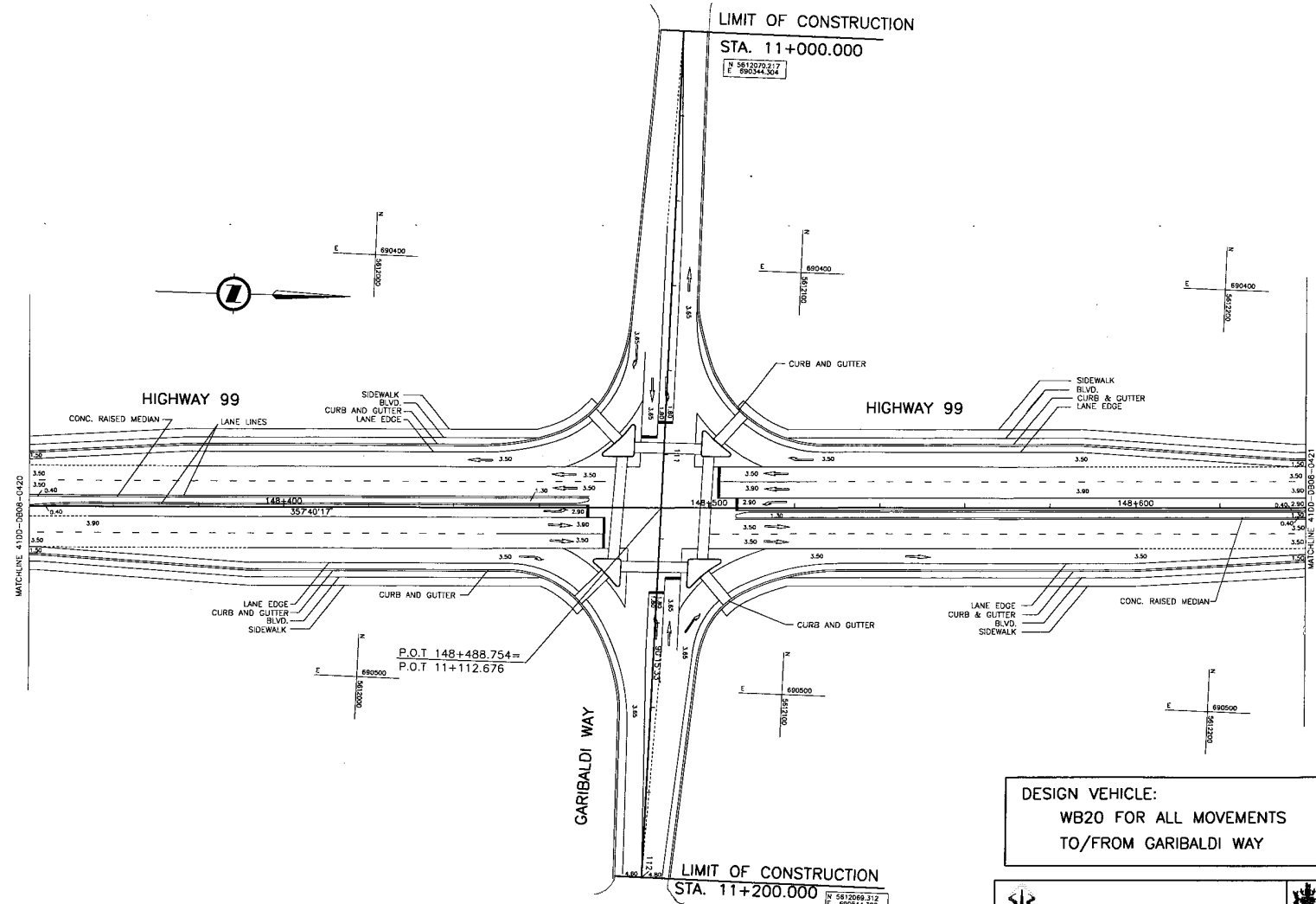
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NLEA**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-N PROJECT No. 09901-ST33 REVISION 1 DRAWING No. 4100-DB08-0420

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

Date: 2006/10/29 - 4:37 PM
 User: S:\M\m\m\1018 - CIV\101-DB8-0420.dwg
 Plot: 1018 - CIV\101-DB8-0420.dwg

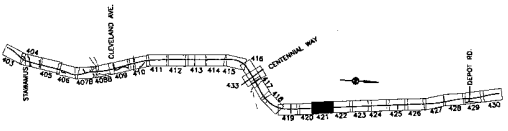
See 19 - Stawamus/DB8 - CMA/1100-DB8-0421.dwg
 DATE: 2024/12/07 - 4:31
 PROJECT: STAWAMUS/DB8 - 0421



P.O.T 148+488.754 =
 P.O.T 11+112.676

DESIGN VEHICLE:
 WB20 FOR ALL MOVEMENTS
 TO/FROM GARIBALDI WAY

DESIGN SPEED 70 km/h



SRS
S2S TRANSPORTATION GROUP
 SCALE 0 1:500 25 CHECKED DATE
 DRAWN DATE
 APPROVED DATE

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 148+340 TO STA. 148+640
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

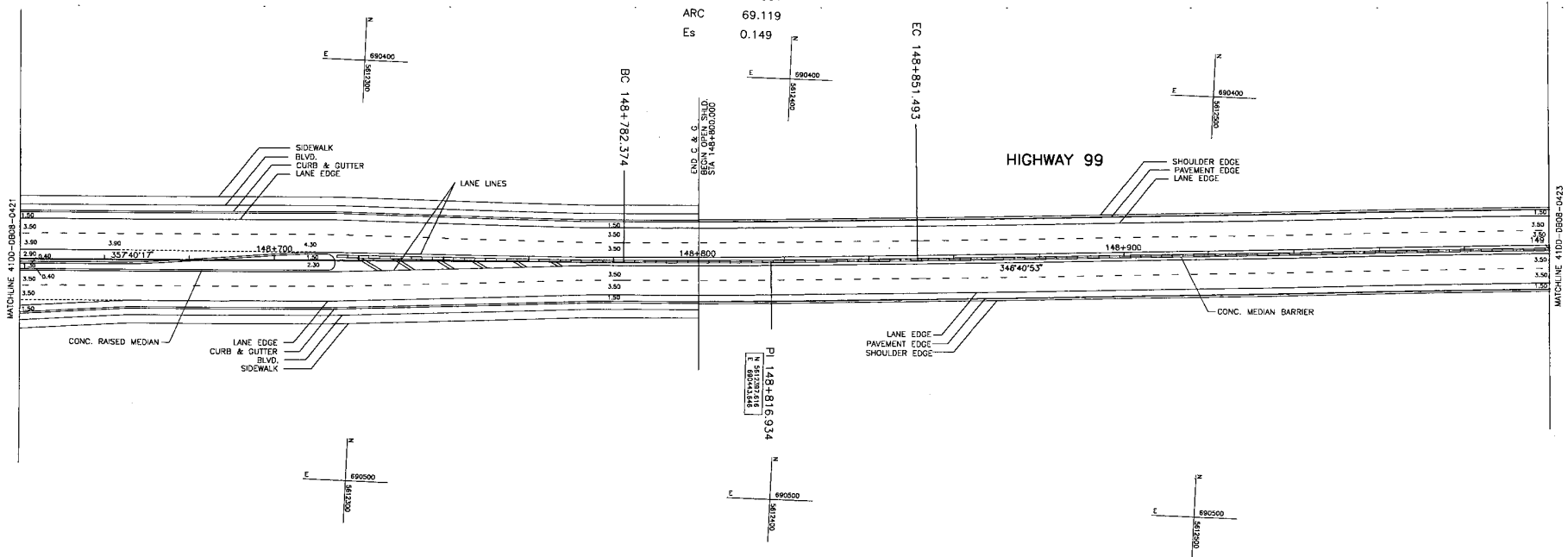
DWG. No.	Description	Rev	Date	Description	Signature
PC 2025/01/10	ISSUED FOR PROPOSAL SUBMISSION				
PD 2025/11/20	ISSUED FOR PROPOSAL SUBMISSION				
PA 2024/10/08	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**
 PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REVISION 1 DRAWING No. 41DD-DB08-0421 PC

REFERENCE DRAWINGS REVISIONS
 CANCEL PRINTS BEARING PREVIOUS LETTER

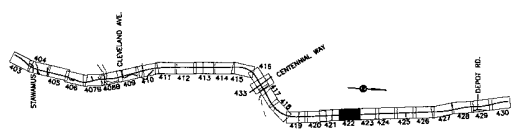


R 4000.000 LT
 Δ 0°59'24"
 AD 34.561
 ARC 69.1119
 Es 0.149



DESIGN SPEED 70 km/h
 STA. 148+780 (BACK)

DESIGN SPEED 80 km/h
 STA. 148+780 (AHEAD)



DWG. No.	Description

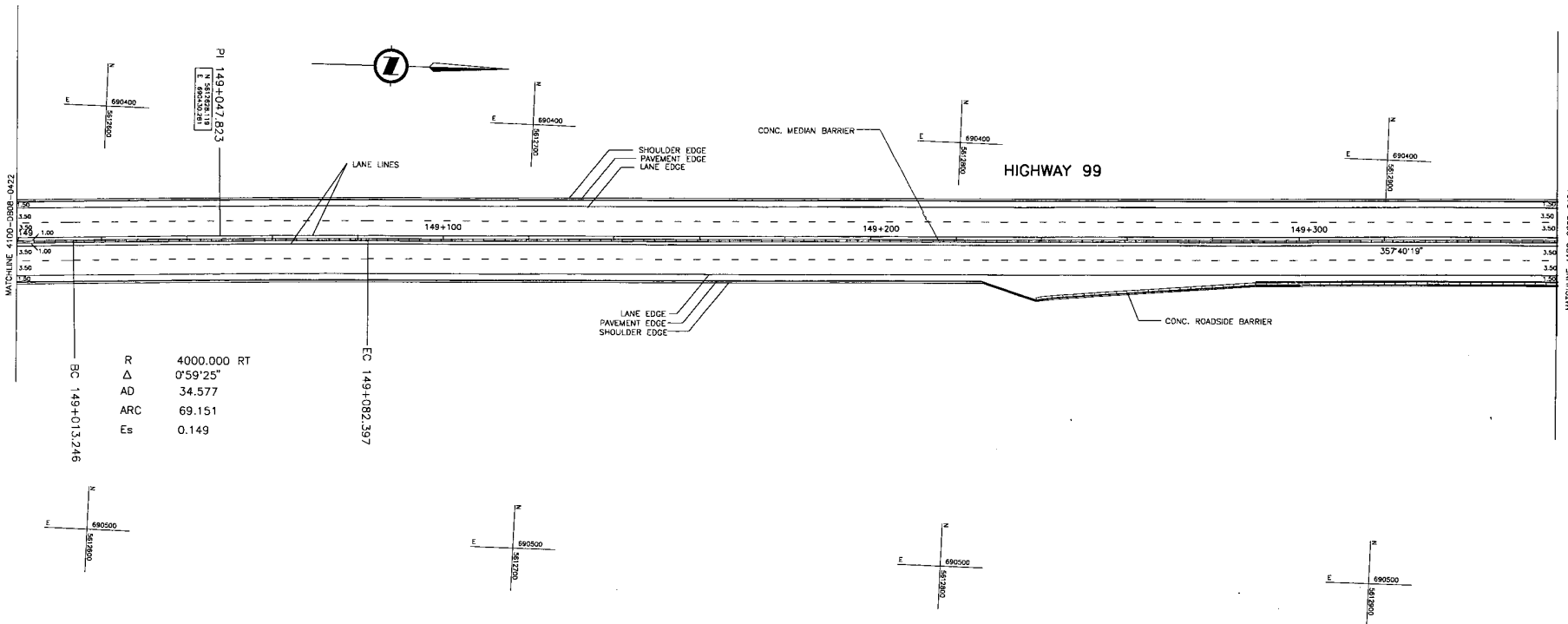
Rev	Date	Description	Signature

	MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
	DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING STA. 148+640 TO STA. 149+000 DBB - SOUTH STAWAMUS TO DEPOT ROAD URBAN SQUAMISH	
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
FILE NO. 214753-EN10-N	PROJECT NO. 09901-ST53	REGION 1 DRAWING NO. 4100-DB08-0422 PC

REFERENCE DRAWINGS REVISIONS

2025-05-08 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00 - 09:00:00

DATE: 2024/12/24 10:00:00 AM
 DRAWN BY: [Name]
 CHECKED BY: [Name]

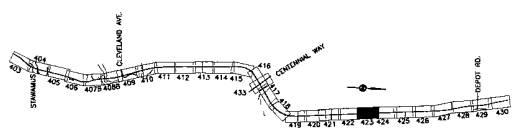


R 4000.000 RT
 Δ 0°59'25"
 AD 34.577
 ARC 69.151
 Es 0.149

EC 149+082.397

BC 149+013.246

DESIGN SPEED 80 km/h



DWG. No.	Description	Rev	Date	Description	Signature

SRS TRANSPORTATION GROUP
 SCALE 0 1:500 25
 DESIGNED: _____ DATE: _____
 CHECKED: _____ DATE: _____
 DRAWN: _____ DATE: _____
 APPROVED: _____ DATE: _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 149+000 TO STA. 149+360
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

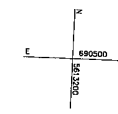
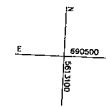
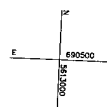
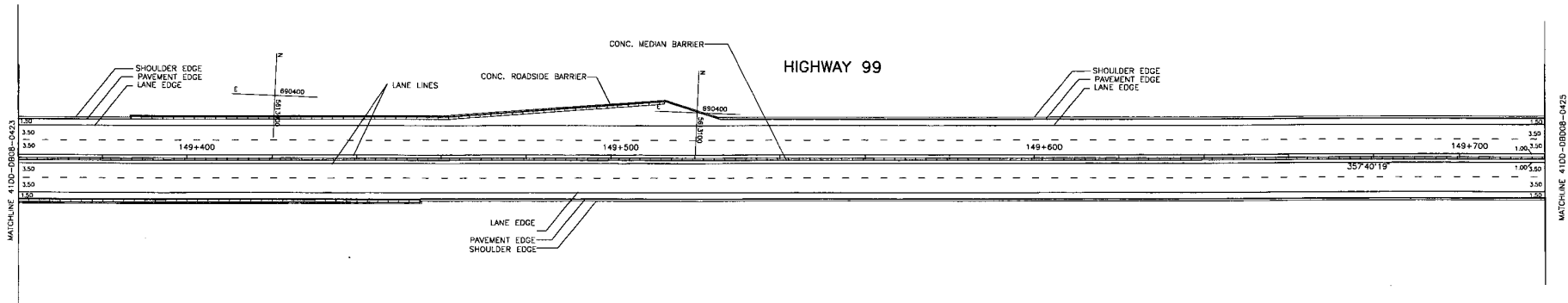
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**

FILE No. 214753-EN10-N
 PRODUCT No. 09901-ST53
 REGION 1
 DRAWING No. 4100-DB08-0423 PC

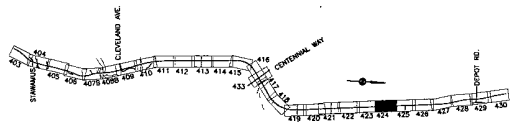
PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
 DATE: _____

DATE: 2009/10/28
 DRAWN: [Signature]
 CHECKED: [Signature]
 FILE: C:\A\149-DB08-0423.dwg

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80 km/h



S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 149+360 TO STA. 149+720
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **INDLEA**

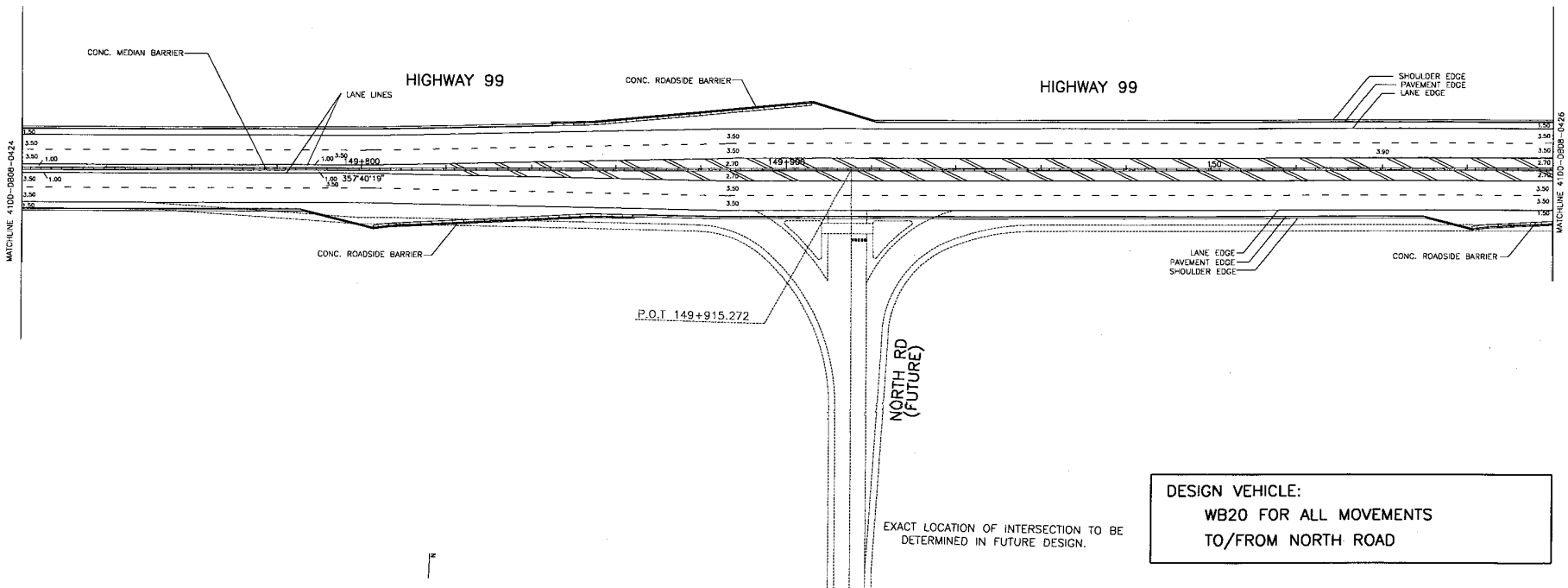
PREPARED UNDER THE DIRECTION OF: SENYON DESIGN ENGINEER

FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 410D-DB08-0424 PC

REFERENCE DRAWINGS REVISIONS

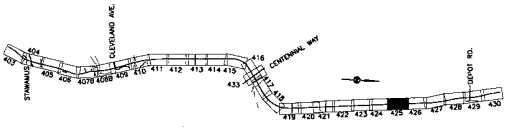
CANCEL PRINTS BEARING PREVIOUS LETTER

DATE: 2004/10/09 - 9:33 AM
 FILE: S:\Projects\SEA TO SKY\100-DB08-0424.dwg
 USER: jmacdonald



DESIGN VEHICLE:
WB20 FOR ALL MOVEMENTS
TO/FROM NORTH ROAD

DESIGN SPEED 80 km/h



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
STA. 149+720 TO STA. 150+080
DB8 - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **NDLEA**

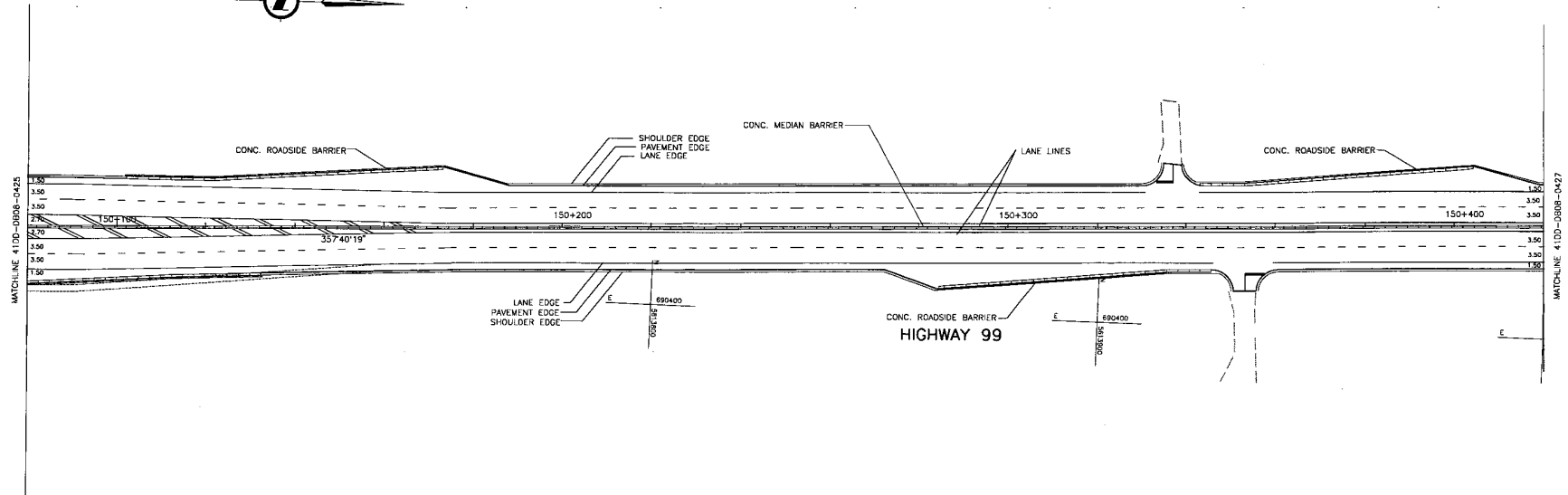
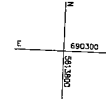
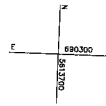
PREPARED UNDER THE DIRECTION OF: SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-N PROJECT No. 09901-ST3S REGION 1 DRAWING No. 41DD-DB08-0425 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

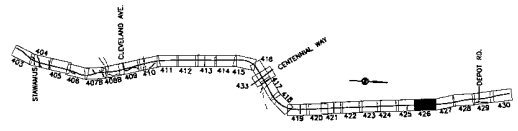
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DRAWN: [unreadable]



MATCHLINE 4100-DB08-0425

MATCHLINE 4110-DB08-0427

DESIGN SPEED 80 km/h



SR
S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 150+080 TO STA. 150+420
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature

Project Managers: **Hatch Mott MacDonald** Design Consultant: **INDLEA**

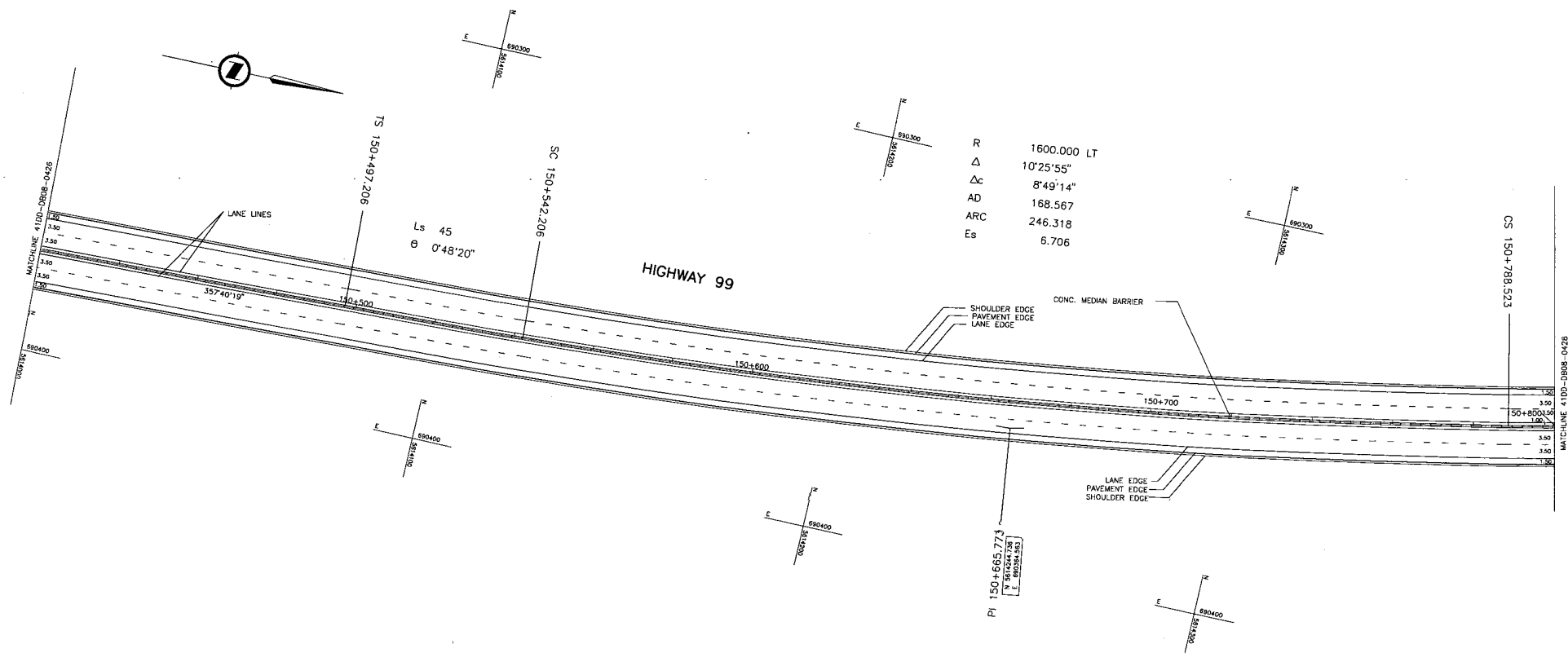
PREPARED UNDER THE DIRECTION OF: **SENIOR DESIGN ENGINEER**

FILE No. **214753-EN10-N** PROJECT No. **09901-ST53** REVISION **1** DRAWING No. **4100-DB08-0426 PC**

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

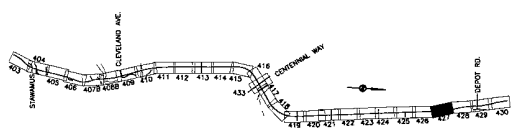
DATE: 2004/12/09 - 4:35 PM
 User: S:\Drawing\108 - CMAA\108-DB08-0426.dwg
 Plot: 10/11/04 11:01 AM



R 1600.000 LT
 Δ 10°25'55"
 Δc 8'49'14"
 AD 168.567
 ARC 246.318
 Es 6.706

Ls 45
 θ 0°48'20"

DESIGN SPEED 80 km/h



DWG. No.	Description	Rev	Date	Description	Signature
PC	ISSUED FOR PROPOSAL SUBMISSION		2004/01/06		
PD	ISSUED FOR PROPOSAL SUBMISSION		2004/11/20		
PA	ISSUED FOR PROPOSAL SUBMISSION		2004/10/08		

REFERENCE DRAWINGS REVISIONS

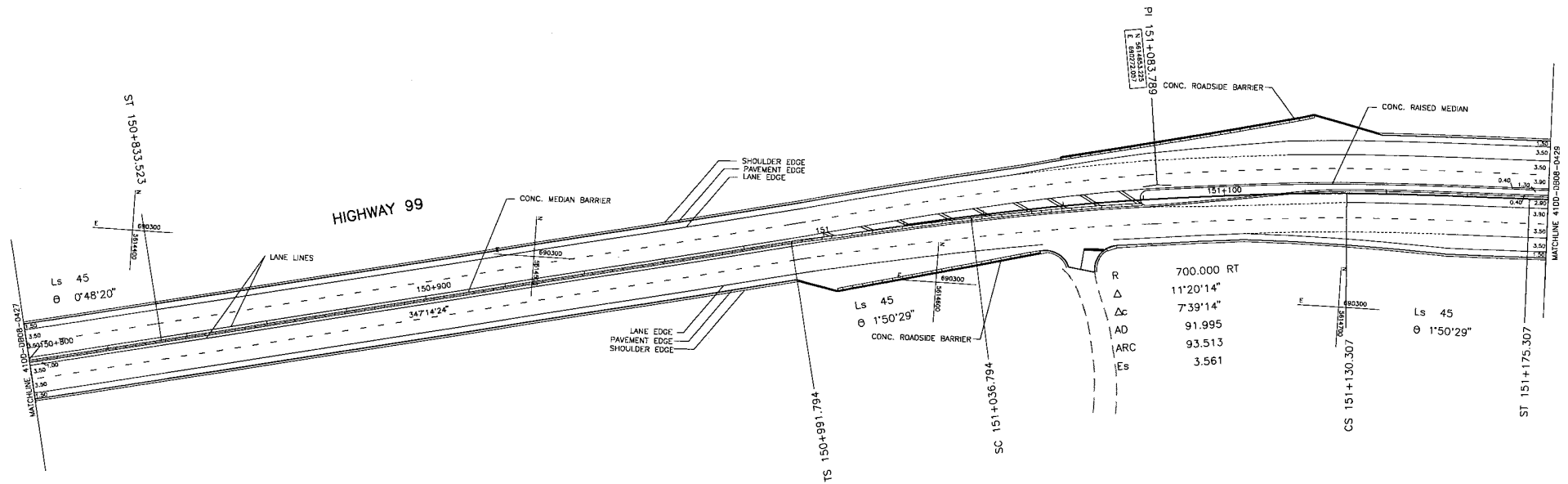
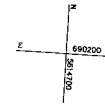
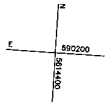
SRS TRANSPORTATION GROUP
 SCALE 0 1:500 25
 DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 150+420 TO STA. 150+800
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

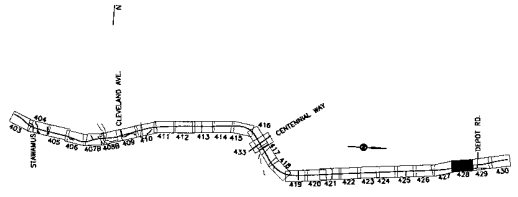
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NOLEA**
 PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER
 FILE No. 214753-EN10-N PROJECT No. 09901-ST33 RECORD 1 DRAWING No. 41DD-DB08-0427 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

Date: 2004/10/08 - 4:55 PM
 User: S:\Urban\m\1508 - CIV\1508-DB8-0427.dwg
 Plot: 2004/10/08 - 4:57 PM
 User: S:\Urban\m\1508



DESIGN SPEED 80 km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 150+800 TO STA. 151+180
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

DWG. No.	Description	Rev	Date	Description	Signature
PC 2005/01/16	ISSUED FOR PROPOSAL SUBMISSION				
PD 2006/11/22	ISSUED FOR PROPOSAL SUBMISSION				
PA 2006/10/08	ISSUED FOR PROPOSAL SUBMISSION				

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **INDLEA**

PREPARED UNDER THE DIRECTION OF SENIOR DESIGN ENGINEER

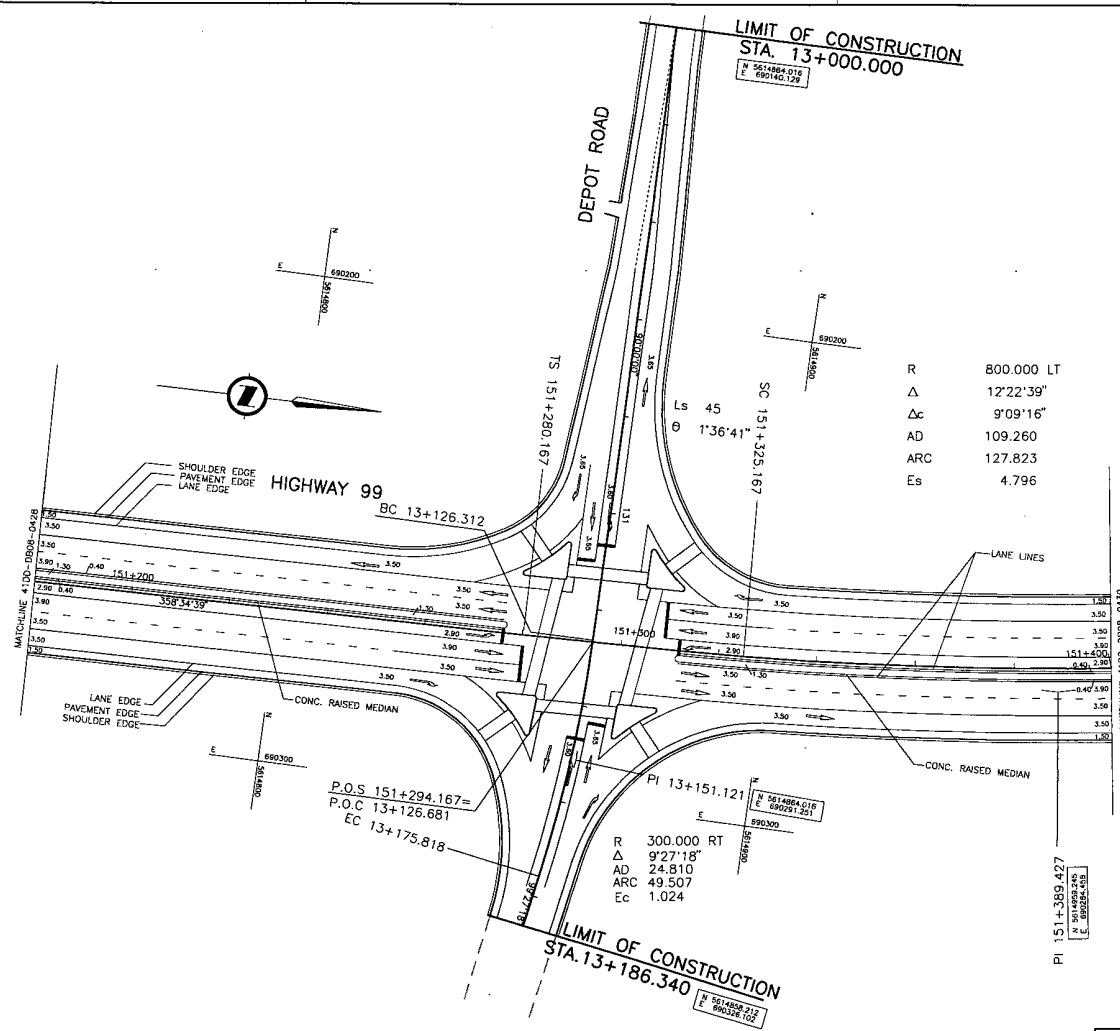
FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 410D-DB08-0428 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

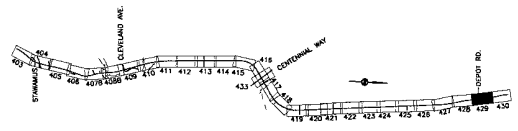
DATE: 2006/10/08 - 10:30 AM
 DRAWN: [Name]
 CHECKED: [Name]
 APPROVED: [Name]
 Scale: 1:500
 File: Sea to Sky\Urban\1008 - 410D - DB08 - 0428.dwg

DATE: 2004/12/08 - 4:26
 DRAWN BY: J. MacDONALD
 CHECKED BY: J. MacDONALD
 SCALE: 1:500
 SHEET: 1 OF 1
 PROJECT: STS3



DESIGN VEHICLE:
 WB20 FOR ALL MOVEMENTS
 TO/FROM DEPOT ROAD

DESIGN SPEED 80 km/h



S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

RESPOND _____ DATE _____
 CHECKED _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 151+180 TO STA. 151+400
 DB8 - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **INDLEA**

PREPARED UNDER THE DIRECTION OF
 SENIOR DESIGN ENGINEER
 DATE _____
 DRAWING No. _____

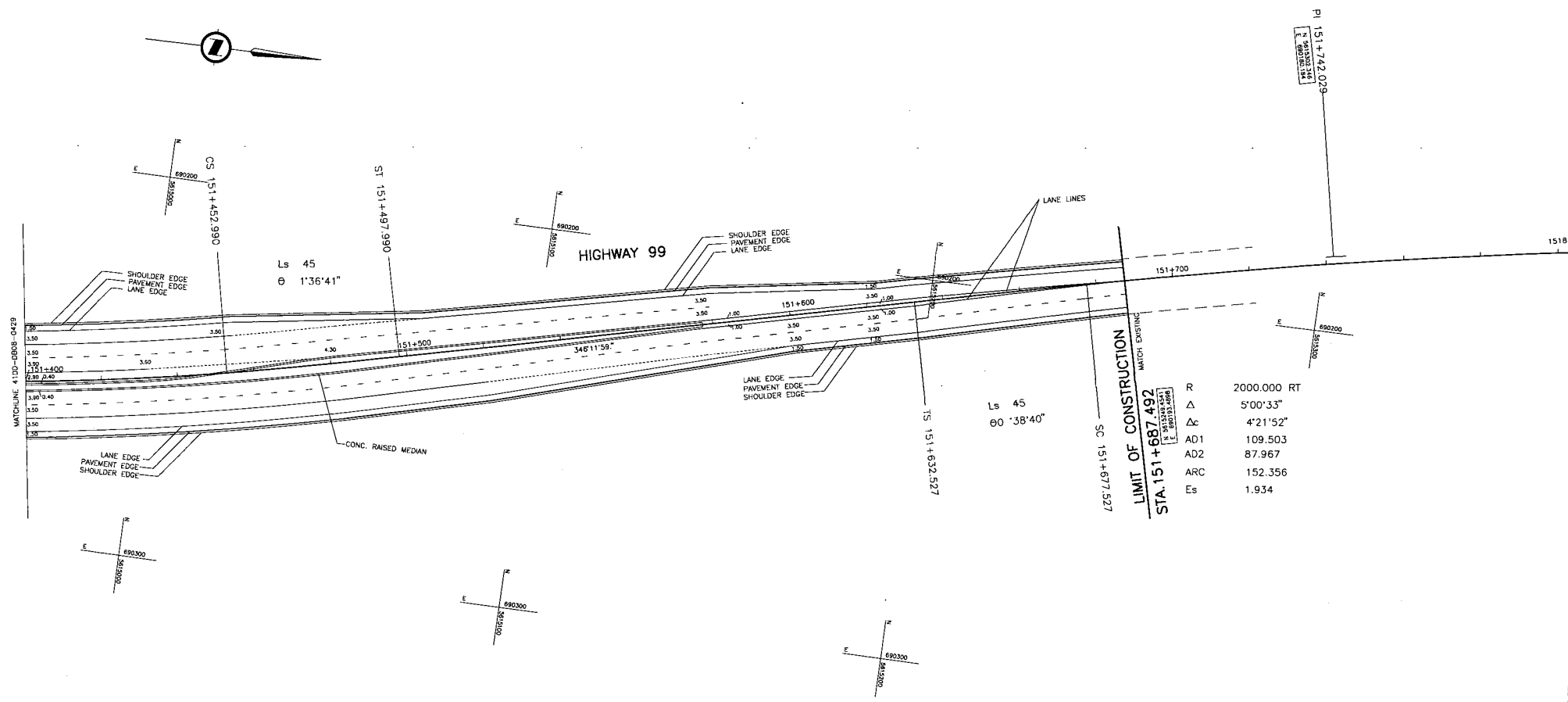
FILE No. 214753-EN10-N PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB08-0429 PC

CWC No.	Description	Rev	Date	Description	Signature

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



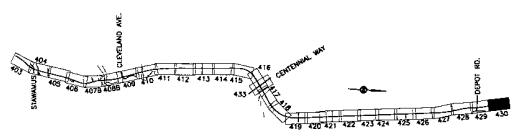
Ls 45
 θ 1'36'41"

Ls 45
 θ 1'38'40"

LIMIT OF CONSTRUCTION
 STA. 151+687.492

R	2000.000 RT
Δ	5'00'33"
Δc	4'21'52"
AD1	109.503
AD2	87.967
ARC	152.356
Es	1.934

DESIGN SPEED 80 km/h



DWG. No.	Description	Rev	Date	Description	Signature

S2S TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
 CHECKED _____ DATE _____
 DRAWN _____ DATE _____
 APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 STA. 151+400 TO STA. 151+687.492
 DBB - SOUTH STAWAMUS TO DEPOT ROAD
 URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **NDLEA**

FILE No. 214753-EN10-N
 PROJECT No. 09901-S1S3
 REGION 1
 DRAWING No. 41DD-DB08-0430 PC

DATE: 2004/10/09 - 10:34 AM
 FILE: 214753-EN10-N - 0430.PLT
 USER: jmacdonald
 PLOT: 214753-EN10-N - 0430.PLT
 C:\N\110-0908-0430.dwg

CANCEL PRINTS BEARING PREVIOUS LETTER

LIMIT OF CONSTRUCTION
SIA 9+700.000

PI 9+044.693
E 98953.032
E 98953.032

R 90.000 RT
AD 47°54'30"
ARC 39.984
EC 75.254
E 8.482

EC 9+079.963

BC 9+135.514
R 14°14'11"
AD 18.732
ARC 37.271
EC 1.165

EC 9+172.785

150.000 LT
33°02'15"
44.485
86.492
E 6.457

EC 9+202.954

CENTENNIAL WAY

PI 9+154.216
E 98953.032
E 98953.032

PI 9+260.947
E 98953.032
E 98953.032

LIMIT OF CONSTRUCTION
SIA 9+458.968

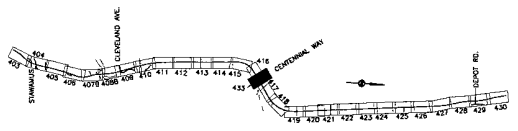
PI 9+191.930
E 98953.032
E 98953.032

200.000 RT
R 13°50'45"
AD 124.284
ARC 46.332
EC 1.469

EC 9+395.536

DESIGN VEHICLE:
WB20 FOR ALL MOVEMENTS
TO/FROM CENTENNIAL WAY

DESIGN SPEED 50 km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:500 25

DESIGNED _____ DATE _____
CHECKED _____ DATE _____
DRAWN _____ DATE _____
APPROVED _____ DATE _____

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANDING
CENTENNIAL WAY
DBB - SOUTH STAWAMUS TO DEPOT ROAD
URBAN SQUAMISH

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **NLEA**

PREPARED UNDER THE DIRECTION OF
SENDER DESIGN ENGINEER
DATE
DRAWING No.
214753-EN10-N 09901-ST3S 1 41DD-DB08-0433 PC

DWG. No.	Description	Rev	Date	Description	Signature
PC 2005/01/02	ISSUED FOR PROPOSAL SUBMISSION				
PB 2006/11/22	ISSUED FOR PROPOSAL SUBMISSION				
PA 2006/10/08	ISSUED FOR PROPOSAL SUBMISSION				

REFERENCE DRAWINGS

REVISIONS

DATE: 2006/12/09 - 10:56 AM
 USER: jgibson
 FILE: C:\Users\jgibson\Documents\214753-EN10-N.dwg
 PLOT: 2006/12/09 10:56 AM

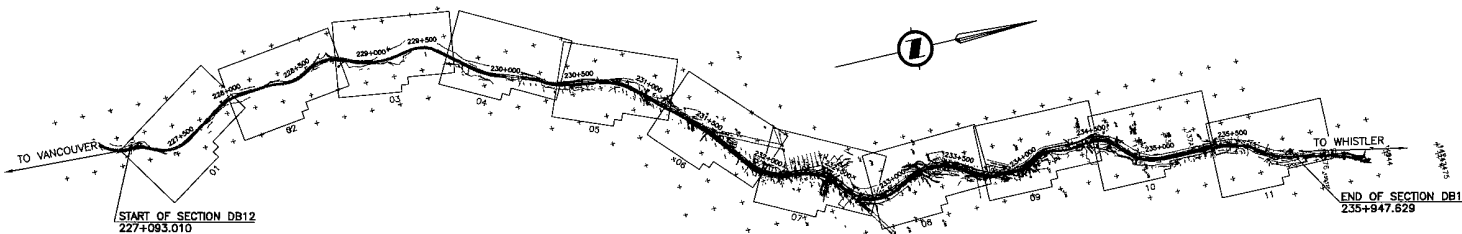
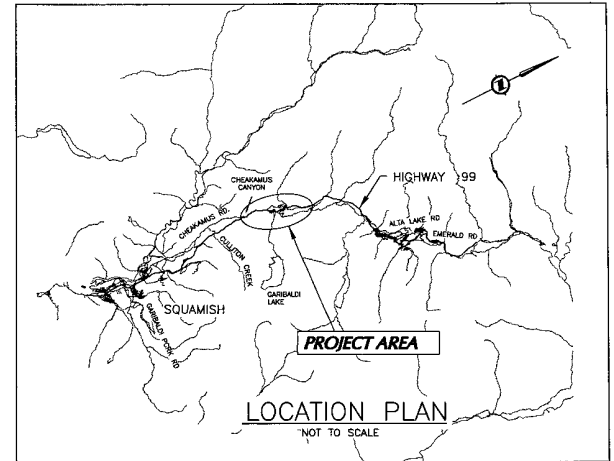
DRAWING INDEX

4100-DB12-0001	PE	KEY PLAN, LOCATION PLAN AND INDEX	
4100-DB12-0002	PD	SUPPLEMENTARY LEGEND	
4100-DB12-0101	PD	PLAN	STA 227+100.000 TO STA 227+967.992
4100-DB12-0102	PD	PLAN	STA 227+967.992 TO STA 228+767.550
4100-DB12-0103	PD	PLAN	STA 228+767.550 TO STA 229+586.384
4100-DB12-0104	PD	PLAN	STA 229+586.384 TO STA 230+387.480
4100-DB12-0105	PD	PLAN	STA 230+387.480 TO STA 231+207.531
4100-DB12-0106	PD	PLAN	(SB) STA 231+207.531 TO STA 232+018.420 (SB)
4100-DB12-0107	PD	PLAN	(NB) STA 231+207.531 TO STA 232+019.513 (NB)
4100-DB12-0108	PD	PLAN	(SB) STA 232+018.420 TO STA 232+756.201 (SB)
4100-DB12-0109	PD	PLAN	(NB) STA 232+019.513 TO STA 232+756.201 (NB)
4100-DB12-0110	PD	PLAN	(SB) STA 232+756.201 TO STA 233+537.593 (SB)
4100-DB12-0111	PD	PLAN	(NB) STA 233+537.593 TO STA 234+379.297 (NB)
4100-DB12-0112	PD	PLAN	(SB) STA 233+537.593 TO STA 234+379.297 (SB)
4100-DB12-0113	PD	PLAN	(NB) STA 234+379.297 TO STA 235+208.813 (NB)
4100-DB12-0114	PD	PLAN	(SB) STA 234+379.297 TO STA 235+208.813 (SB)
4100-DB12-0115	PD	PLAN	(NB) STA 235+208.813 TO STA 235+948.000 (NB)
4100-DB12-0201	PD	PROFILE	STA 227+100.000 TO STA 228+700.000
4100-DB12-0202	PD	PROFILE	STA 228+700.000 TO STA 230+300.000
4100-DB12-0203	PD	PROFILE	STA 230+300.000 TO STA 231+398.640
4100-DB12-0204	PD	PROFILE	STA 231+398.640 TO STA 232+800.000
4100-DB12-0205	PD	PROFILE	STA 232+800.000 TO STA 234+054.177
4100-DB12-0206	PD	PROFILE	STA 234+054.177 TO STA 232+800.000
4100-DB12-0207	PD	PROFILE	STA 232+800.000 TO STA 233+994.567
4100-DB12-0208	PD	PROFILE	L140 STA 234+054.177 TO STA 234+744.715
4100-DB12-0209	PD	PROFILE	L150 STA 234+054.177 TO STA 234+748.327
4100-DB12-0210	PD	PROFILE	STA 234+744.715 TO STA 235+947.629
4100-DB12-0301	PD	TYPICAL SECTIONS	
4100-DB12-0302	PD	TYPICAL SECTIONS	
4100-DB12-0401	PD	GEOMETRICS AND LANING	STA 227+100.000 TO STA 227+967.992
4100-DB12-0402	PD	GEOMETRICS AND LANING	STA 227+967.992 TO STA 228+767.550
4100-DB12-0403	PD	GEOMETRICS AND LANING	STA 228+767.550 TO STA 229+586.384
4100-DB12-0404	PD	GEOMETRICS AND LANING	STA 229+586.384 TO STA 230+387.480
4100-DB12-0405	PD	GEOMETRICS AND LANING	STA 230+387.480 TO STA 231+207.531
4100-DB12-0406	PD	GEOMETRICS AND LANING	(SB) STA 231+207.531 TO STA 232+018.420 (SB)
4100-DB12-0407	PD	GEOMETRICS AND LANING	(NB) STA 231+207.531 TO STA 232+019.513 (NB)
4100-DB12-0408	PD	GEOMETRICS AND LANING	(SB) STA 232+018.420 TO STA 232+756.201 (SB)
4100-DB12-0409	PD	GEOMETRICS AND LANING	(NB) STA 232+019.513 TO STA 232+756.201 (NB)
4100-DB12-0410	PD	GEOMETRICS AND LANING	(SB) STA 232+756.201 TO STA 233+537.593 (SB)
4100-DB12-0411	PD	GEOMETRICS AND LANING	(NB) STA 233+537.593 TO STA 234+379.297 (NB)
4100-DB12-0412	PD	GEOMETRICS AND LANING	(SB) STA 234+379.297 TO STA 235+208.813 (SB)
4100-DB12-0413	PD	GEOMETRICS AND LANING	(NB) STA 235+208.813 TO STA 235+948.000 (NB)



PROJECT No. 09901 TBC

Section DB12
DBFO - Horseshoe Bay to Whistler
 STA. 227+093.010 TO STA. 235+947.629
 8.854 km



LOCATION PLAN

DESIGNED BY: JG/ABC/MB	DATE: 04/11/28
CHECKED BY: M.M.	DATE: 04/11/28
DRAWN BY: JG/ABC/EA	DATE: 04/11/28
APPROVED BY: M.M.	DATE: 04/11/28

MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER KEY PLAN, LOCATION PLAN AND INDEX	
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 227+093.010 TO 235+947.629	
Project Managers 	Design Consultant
PREPARED UNDER THE DIRECTION OF M. MORTE SENIOR DESIGN ENGINEER	DATE: NOV 23, 2004 DRAWING No.
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53
REGION 1	DRAWING No. 4100-DB12-0001

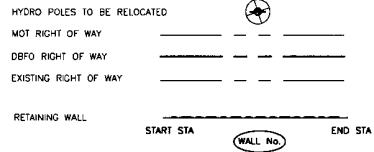
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	
		E	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	





REFERENCE DRAWINGS

REVISIONS

SUPPLEMENTARY LEGEND

LEGEND

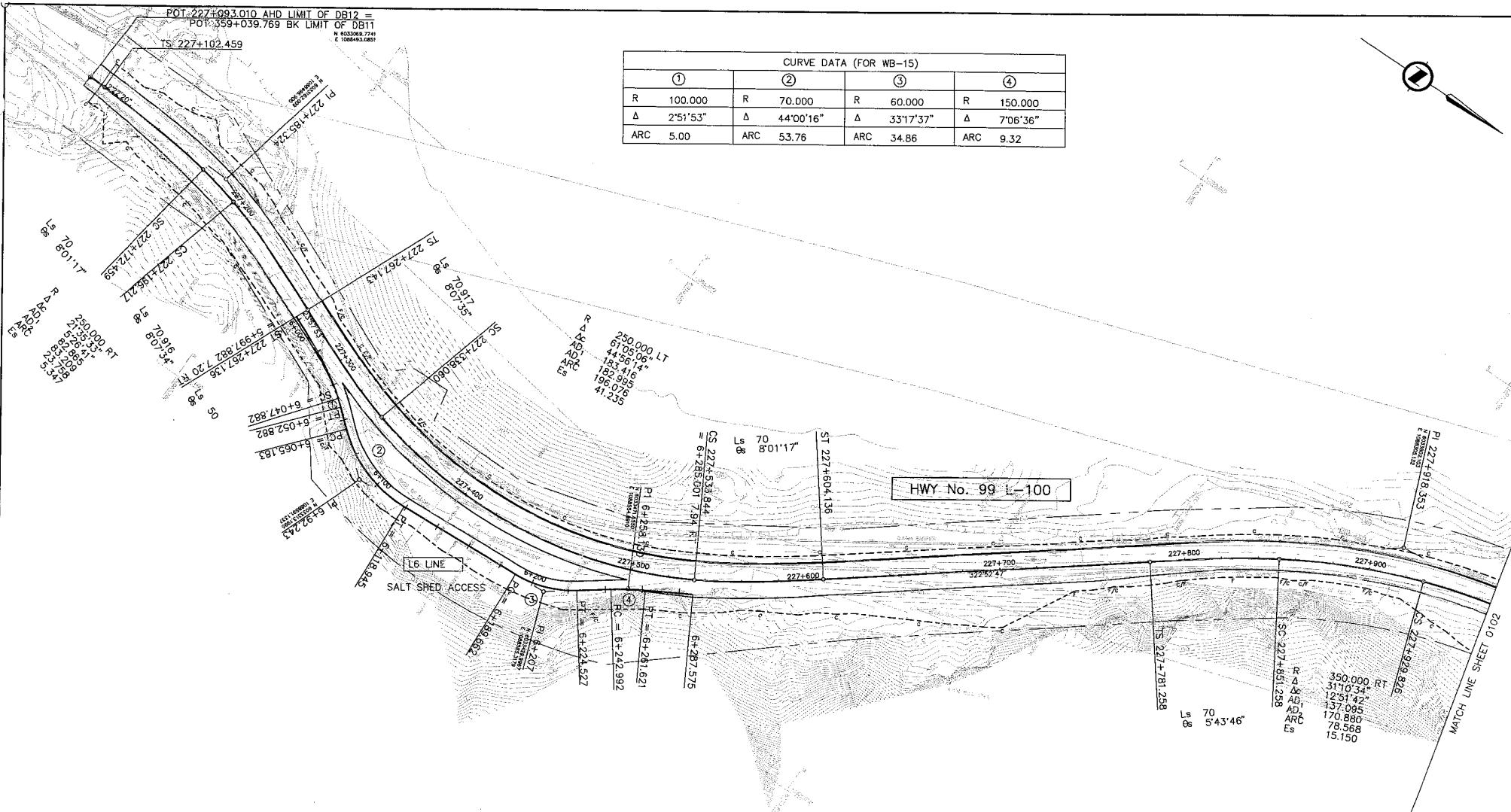


				MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED BY: <u> </u> / <u> </u> / <u> </u> DATE: <u>02/11/23</u> CHECKED BY: <u> </u> / <u> </u> / <u> </u> DATE: <u>02/11/23</u> DRAWN BY: <u> </u> / <u> </u> / <u> </u> DATE: <u>02/11/23</u> APPROVED BY: <u> </u> / <u> </u> / <u> </u> DATE: <u>02/11/23</u>		DBFO - HORSESHOE BAY TO WHISTLER SUPPLEMENTARY LEGEND DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ			
SCALE: AS SHOWN		PREPARED UNDER THE DIRECTION OF M. MERITZ SENIOR DESIGN ENGINEER DATE NOV 23 2004 DRAWING No.			
				PROJECT No. 09901-ST53 REVISION 1 FILE No. 214753-EN10-U DRAWING No. 4100-DB12-0002	

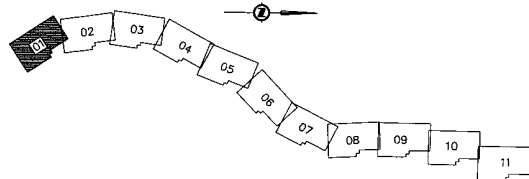
Rev	Date	Description	Signature
A	24/10/22	ISSUED FOR REVIEW	
B	24/11/22	ISSUED FOR INFORMATION	
C	24/11/22	ALIGNMENT CHANGES	
D	25/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS



CURVE DATA (FOR WB-15)			
①	②	③	④
R 100.000	R 70.000	R 60.000	R 150.000
Δ 2°51'53"	Δ 44°00'16"	Δ 33°17'37"	Δ 7°06'36"
ARC 5.00	ARC 53.76	ARC 34.86	ARC 9.32



DRAWING KEY

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/26	ISSUED FOR REVIEW	
B	04/11/26	ISSUED FOR INFORMATION	
C	04/11/26	ALIGNMENT CHANGES	
D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

DESIGNED AA/PS/ARG/BB DATE 04/13/26
 CHECKED M/M DATE 05/21/26
 DRAWN SS/SS/DA DATE 05/21/26
 APPROVED JEM DATE 05/21/26

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PLAN

DB12 – CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 227+100.000 TO STA 227+967.992

Project Manager
 Design Consultant

PREPARED UNDER THE DIRECTION OF

 M. WEST
 SENIOR DESIGN ENGINEER
 DATE NOV 25, 2024

FILE No.	PROJECT No.	REGION	DRAWING No.
214753-EN10-U	09901-ST53	1	41DD-DB12-0101 [PD]



HWY No. 99 L-100

MATCH LINE SHEET 0101

MATCH LINE SHEET 0103

CHEAKAMUS RIVER

EXIST CRB TO REMAIN AS SHOWN

R 250.000 LT
 Δ 51'25.27"
 Δc 12'55.45"
 AD 115.267
 ADc 106.638
 ARC 56.414
 Es 10.852

Ls 91.4
 8 10'28'25"

Ls 70
 8 8'01'17"

R 250.000 RT
 Δ 50'30'44"
 Δc 34'17'10"
 AD 154.070
 ADc 153.352
 ARC 149.602
 Es 27.347

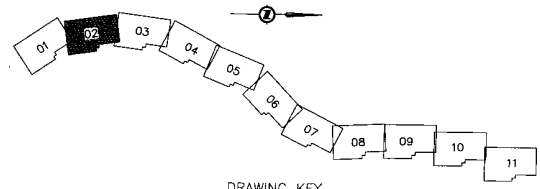
R 750.000 RT
 Δ 9'05'40"
 Δc 0'52'52"
 AD 130.018
 ADc 101.251
 ARC 7.172
 Es 3.192

Ls 153.753
 8 12'35'05"

Ls 153.75
 8 5'52'22"

Ls 70
 8 2'40'25"

Ls 71.6
 8 8'12'17"



DRAWING KEY

SRS
 S2S TRANSPORTATION GROUP

DESIGNED J.A./K.A./R.B. DATE 04/11/28
 CHECKED M.M. DATE 05/11/28
 DRAWN M.M./D.A. DATE 05/11/28
 APPROVED M.M. DATE 05/11/28

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 227+967.992 TO STA 228+767.550

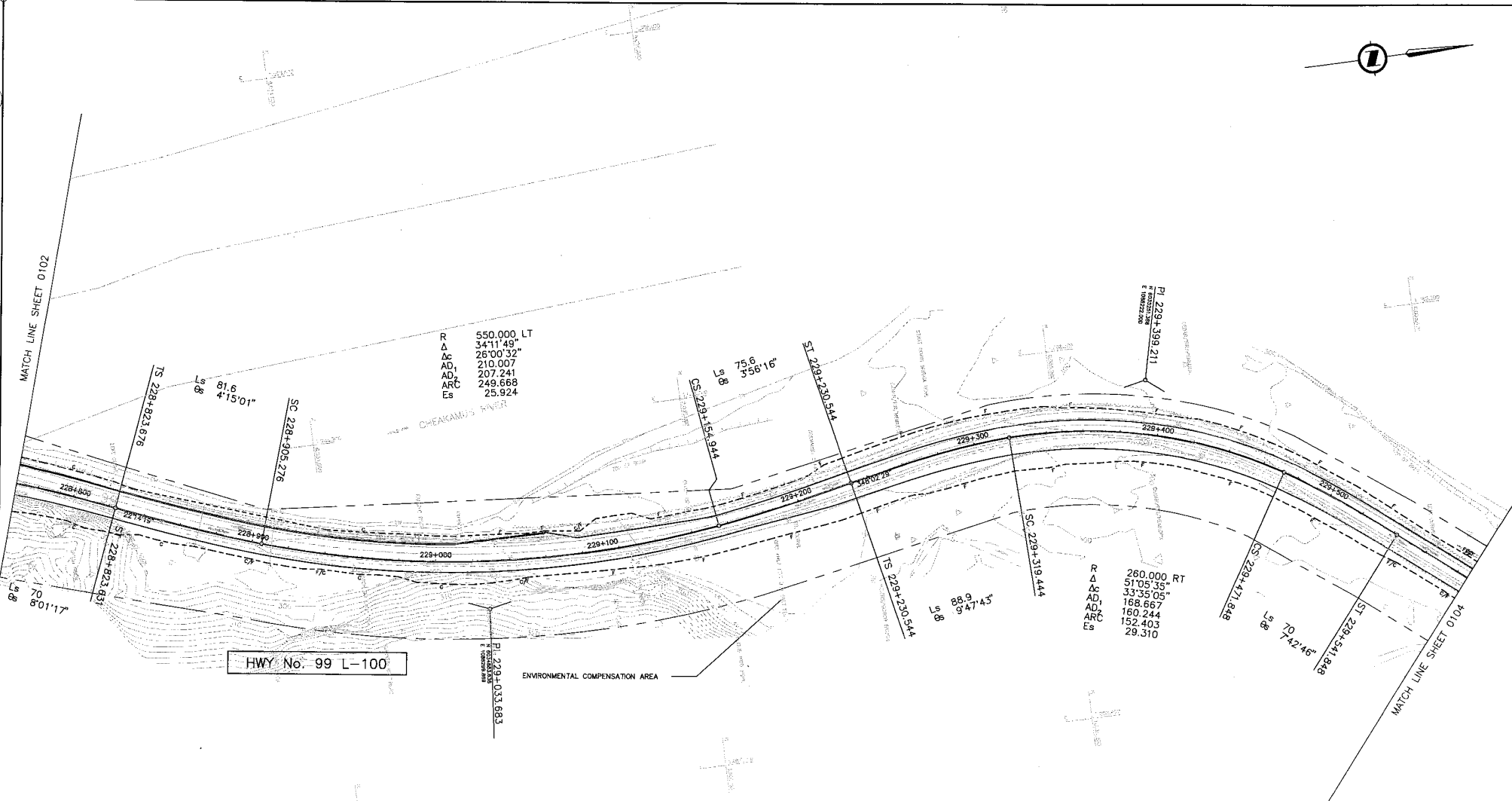
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS		REVISIONS	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**

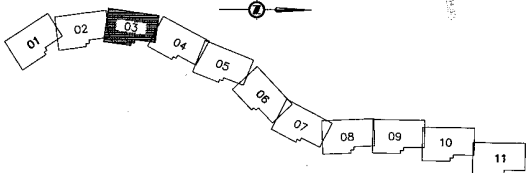
FILE No. 214753-EN10-U
 PROJECT No. 09901-ST3S
 REGION 1
 DRAWING No. 41DD-DB12-0102

DATE NOV 28, 2004
 SENIOR DESIGN ENGINEER



HWY No. 99 L-100

ENVIRONMENTAL COMPENSATION AREA



DRAWING KEY

SJR
S2S TRANSPORTATION GROUP

DESIGNED *JA/PC/REG/DB* DATE 04/11/28
 CHECKED *MJM* DATE 05/11/28
 DRAWN *BS/REG/EA* DATE 05/11/28
 APPROVED *MJM* DATE 05/21/28

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 228+767.550 TO STA 229+586.384

DWG. No.	Description

Rev	Date	Description	Signature
A	04/10/28	ISSUED FOR REVIEW	
B	04/11/28	ISSUED FOR INFORMATION	
C	04/11/28	ALIGNMENT CHANGES	
D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MENTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 29, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB12-0103 [PD]

REFERENCE DRAWINGS

REVISIONS

CURVE DATA			
	①		②
R	25.00	R	25.00.
Δ	90°00'00"	Δ	39.26
ARC	39.27	ARC	89°58'04"

R 400.000 LT
 Δ 20°35'48"
 Δc 10°34'11"
 AD 107.764
 ARC 73.792
 Es 7.068

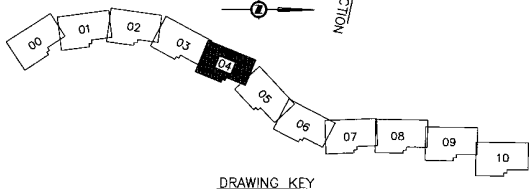
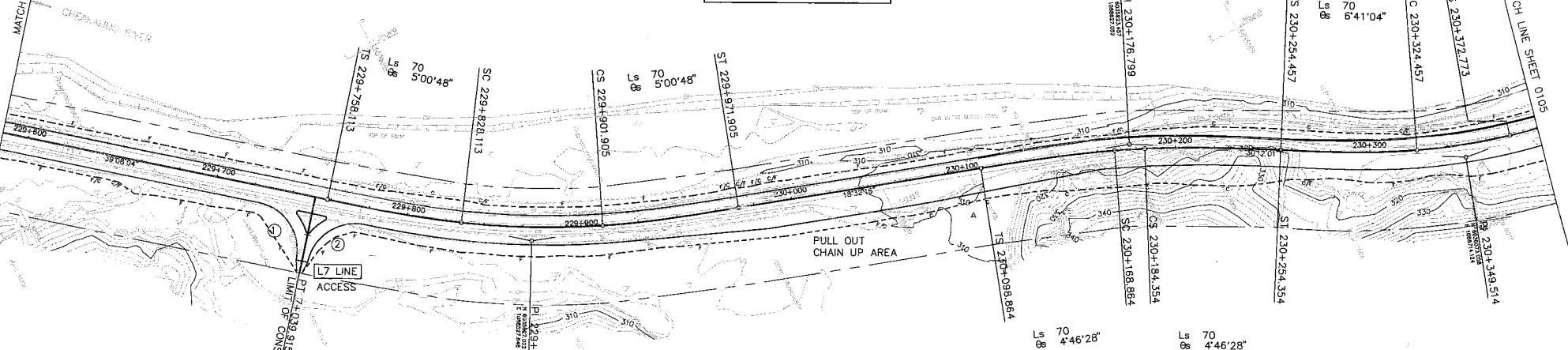
R 420.000 RT
 Δ 11°39'44"
 Δc 2°08'47"
 AD 77.935
 ARC 15.491
 Es 2.673

R 300.000 LT
 Δ 22°35'48"
 Δc 9°13'39"
 AD 95.057
 ARC 48.316
 Es 6.623

HWY No. 99 L-100

MATCH LINE SHEET 0103

MATCH LINE SHEET 0105



DRAWING KEY

 DESIGNED: AA/C/S/ARG/BE DATE 04/10/28 CHECKED: JEM DATE 04/11/28 DRAWN: SS/ARG/AA DATE 04/11/28 APPROVED: JEM DATE 04/11/28	 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 229+586.384 TO STA 230+387.490	 Project Manager: [Blank] Design Consultant: [Blank]	 PREPARED UNDER THE DIRECTION OF: M. BEZIT SENIOR DESIGN ENGINEER DATE NOV 29, 2004

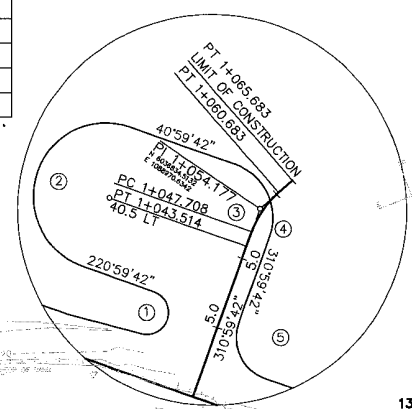
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

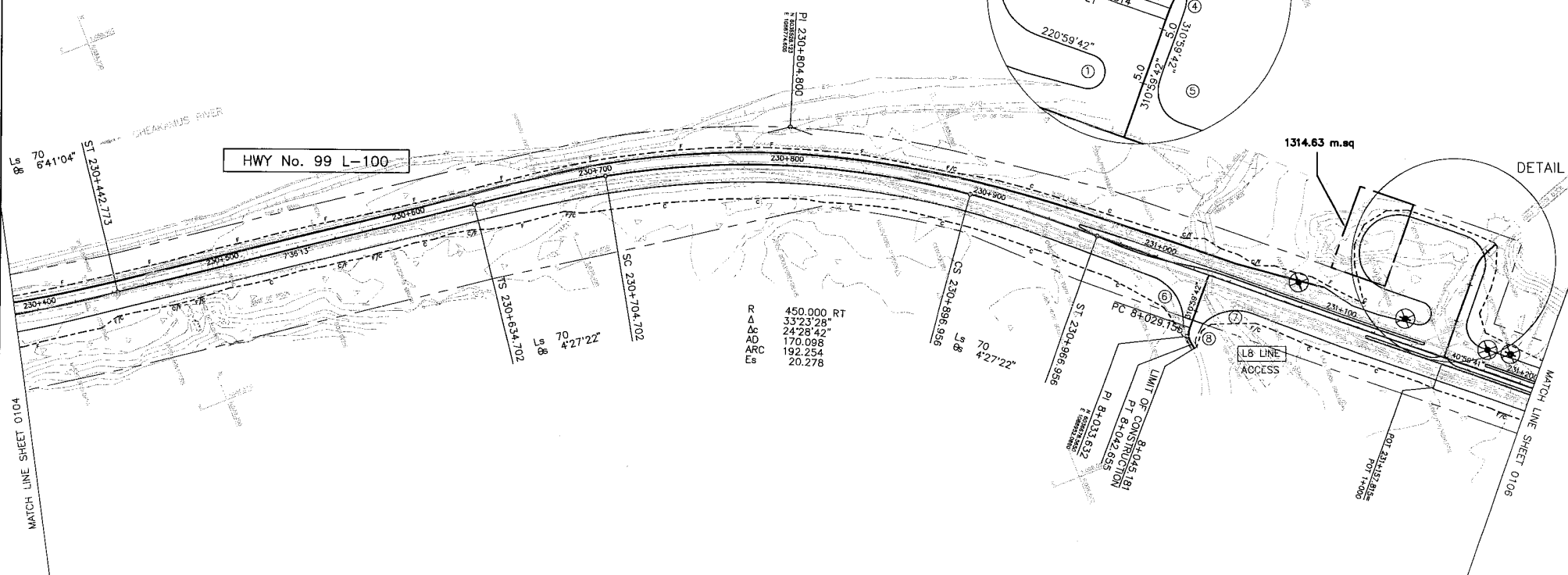
REVISIONS

CURVE DATA							
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Δ 175°10'26"	Δ 180°00'00"	Δ 90°00'00"	Δ 29°44'10"	Δ 90°00'00"	Δ 64°28'40"	Δ 63°59'15"	Δ 26°02'54"
ARC 27.52	ARC 94.25	ARC 38.52	ARC 9.46	ARC 28.27	ARC 28.13	ARC 27.92	ARC 4.55

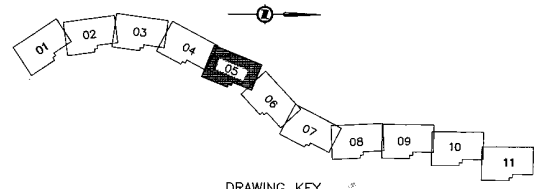
DETAIL
SCALE 1:750



LI LINE
TURN AROUND & CHAIN UP AREA



R 450.000 RT
Δ 33°23'28"
L 24°28'42"
AD 170.098
ARC 192.254
Es 20.278

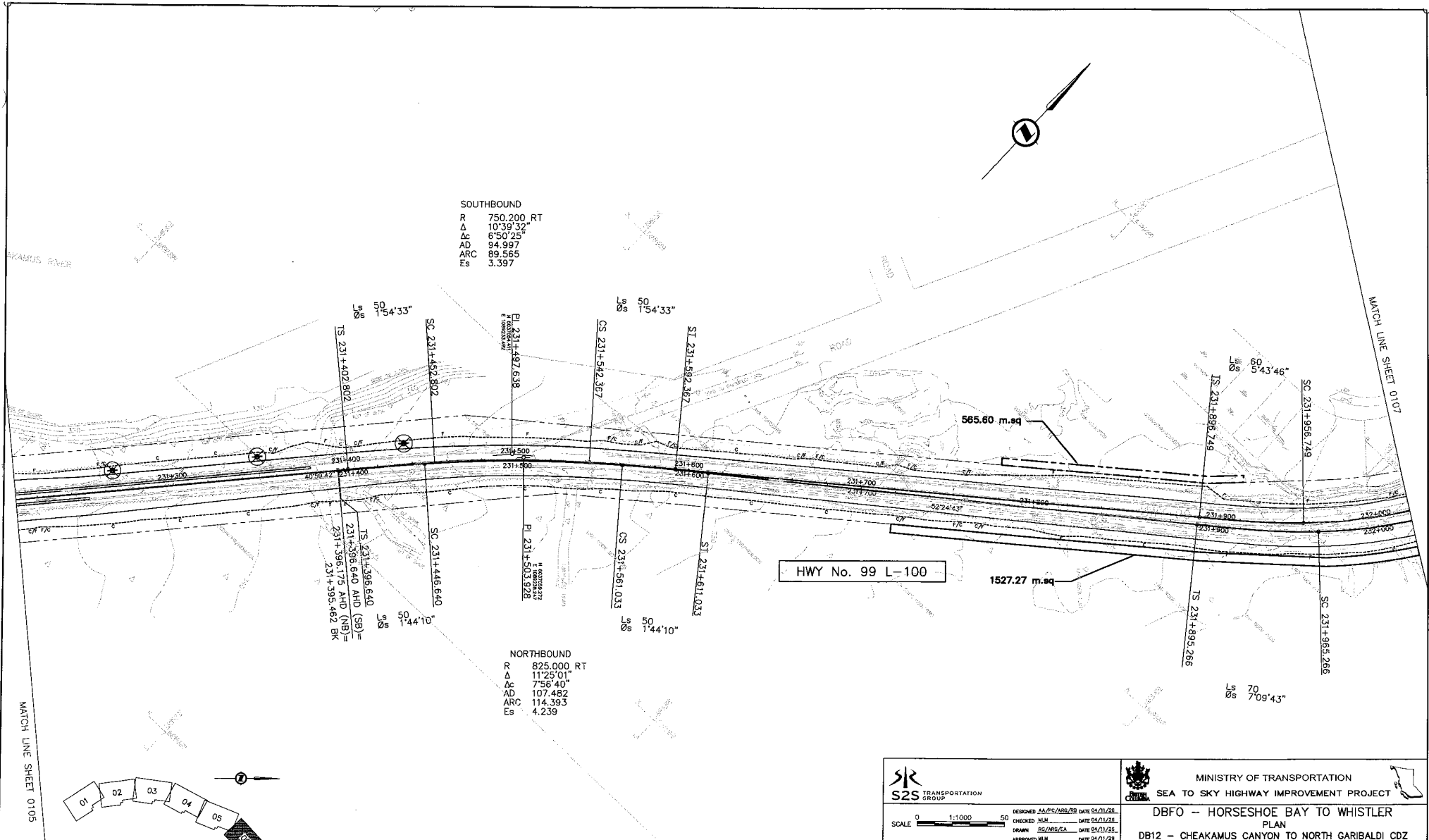


<p>SR S2S TRANSPORTATION GROUP</p>	<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p>	
	<p>DBFO - HORSESHOE BAY TO WHISTLER PLAN</p>	
<p>DESIGNED JA/PS/ANG/RE DATE 04/10/28 CHECKED M/M DATE 04/11/28 DRAWN SS/ANG/AA DATE 04/11/28 APPROVED M/M DATE 04/21/28</p>	<p>DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 230+387.490 TO STA 231+207.531</p>	
<p>SCALE 0 1:1000 50</p>	<p>Project Manager Hatch Mott MacDonald</p>	<p>Design Consultant UMA</p>
<p>PREPARED UNDER THE DIRECTION OF M. MEYER SENIOR DESIGN ENGINEER</p>	<p>FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1</p>	<p>DATE NOV 25, 2004 DRAWING No. 41DD-DB12-0105 [PD]</p>

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW		04/10/28		
B	ISSUED FOR INFORMATION		04/11/28		
C	ALIGNMENT CHANGES		04/11/28		
D	ISSUED FOR PROPOSAL SUBMISSION		05/01/10		

REFERENCE DRAWINGS

REVISIONS



SOUTHBOUND
 R 750.200 RT
 Δ 10°39'32"
 Δc 6°50'25"
 AD 94.997
 ARC 89.585
 Es 3.397

NORTHBOUND
 R 825.000 RT
 Δ 11°25'01"
 Δc 7°58'40"
 AD 107.482
 ARC 114.393
 Es 4.239

SC 231+462.802
 TS 231+402.802
 OS 231+542.367
 ST 231+582.367
 PI 231+503.928
 SC 231+446.640
 TS 231+396.640
 OS 231+561.033
 ST 231+611.033

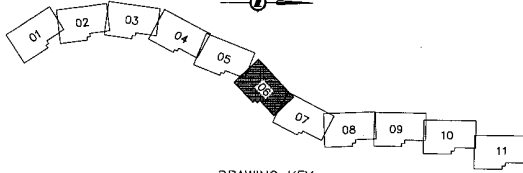
565.60 m.sq

1527.27 m.sq

HWY No. 99 L-100

MATCH LINE SHEET 0105

MATCH LINE SHEET 0107

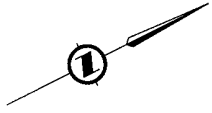


DRAWING KEY

TRANSPORTATION GROUP SCALE 0 1:1000 50		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																																											
DESIGNED: AA/PL/ASB/RR DATE 04/10/23 CHECKED: MJM DATE 04/11/23 DRAWN: ES/MS/ZA DATE 04/11/23 APPROVED: BLM DATE 04/21/23		DBFO - HORSESHOE BAY TO WHISTLER PLAN DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 231+207.531 TO STA 232+018.420 (SB) STA 231+207.531 TO STA 232+019.513 (NB)																																											
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>A</td> <td>04/10/23</td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td></td> <td></td> <td>B</td> <td>04/11/23</td> <td>ISSUED FOR INFORMATION</td> <td></td> </tr> <tr> <td></td> <td></td> <td>C</td> <td>04/11/23</td> <td>ALIGNMENT CHANGES</td> <td></td> </tr> <tr> <td></td> <td></td> <td>D</td> <td>05/01/23</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature			A	04/10/23	ISSUED FOR REVIEW				B	04/11/23	ISSUED FOR INFORMATION				C	04/11/23	ALIGNMENT CHANGES				D	05/01/23	ISSUED FOR PROPOSAL SUBMISSION		<table border="1"> <tr> <td>Project Manager</td> <td>Design Consultant</td> <td>PREPARED UNDER THE DIRECTION OF</td> </tr> <tr> <td></td> <td></td> <td>U. MERTZ SENIOR DESIGN ENGINEER</td> </tr> <tr> <td>FILE No. 214753-EN10-U</td> <td>PROJECT No. 09901-ST53</td> <td>REGION 1</td> </tr> <tr> <td></td> <td></td> <td>DRAWING No. 41DD-DB12-0106</td> </tr> </table>		Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF			U. MERTZ SENIOR DESIGN ENGINEER	FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REGION 1			DRAWING No. 41DD-DB12-0106
DWG. No.	Description	Rev	Date	Description	Signature																																								
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		B	04/11/23	ISSUED FOR INFORMATION																																									
		C	04/11/23	ALIGNMENT CHANGES																																									
		D	05/01/23	ISSUED FOR PROPOSAL SUBMISSION																																									
Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF																																											
		U. MERTZ SENIOR DESIGN ENGINEER																																											
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REGION 1																																											
		DRAWING No. 41DD-DB12-0106																																											

REFERENCE DRAWINGS

REVISIONS



SOUTHBOUND
 R 290.000 RT
 Δ 35°44'40"
 Δc 21°54'52"
 AD 128.722
 ARC 110.919
 Es 15.443

SOUTHBOUND
 R 300.000 LT
 Δ 43°07'51"
 Δc 33°40'18"
 AD 154.864
 ARC 176.306
 Es 25.413

NORTHBOUND
 R 400.000 RT
 Δ 37°27'51"
 Δc 28°52'11"
 AD 165.764
 ARC 201.551
 Es 22.769

NORTHBOUND
 R 280.000 LT
 Δ 44°38'32"
 Δc 30°19'06"
 AD 150.238
 ARC 148.164
 Es 23.468

MATCH LINE SHEET 0106

MATCH LINE SHEET 0108

HWY No. 99 L-100

CHEAKAMUS RIVER

RUBBLE CREEK BRIDGE

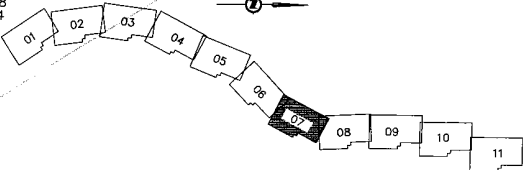
IMPACT ATTENUATOR

360.16 m.sq
 ADDITIONAL ROW
 NOT REQUIRED

1520.12 m.sq

2657.62 m.sq

1274.18 m.sq



DRAWING KEY

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/26	ISSUED FOR REVIEW	
		B	04/11/26	ISSUED FOR INFORMATION	
		C	04/11/26	ALIGNMENT CHANGES	
		D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SJR
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A./C./M.G./B.S. DATE 05/11/26
 CHECKED: M.M. DATE 05/11/26
 DRAWN: S.S./M.G./A. DATE 05/11/26
 APPROVED: M.M. DATE 05/01/26

Rev	Date	Description	Signature
A	04/10/26	ISSUED FOR REVIEW	
B	04/11/26	ISSUED FOR INFORMATION	
C	04/11/26	ALIGNMENT CHANGES	
D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 (SB) STA 232+018.420 TO STA 232+756.201 (SB)
 (NB) STA 232+019.513 TO STA 232+756.621 (NB)

Project Monitors: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 29, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB12-0107 PD

CURVE DATA		
①	②	③
R 72.500	R 26.50	R 26.50
Δ 44°03'39"	Δ 82°19'11"	Δ 84°05'45"
ARC 29.67	ARC 38.07	ARC 38.90



SOUTHBOUND
 R 375.000 RT
 Δ 57°20'16"
 Δc 48°10'13"
 AD 235.255
 ARC 315.276
 Es 52.852

MATCH LINE SHEET 0107

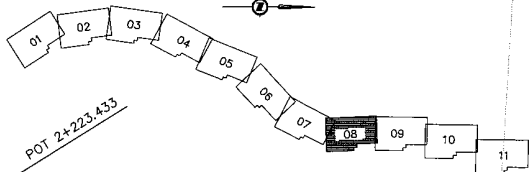
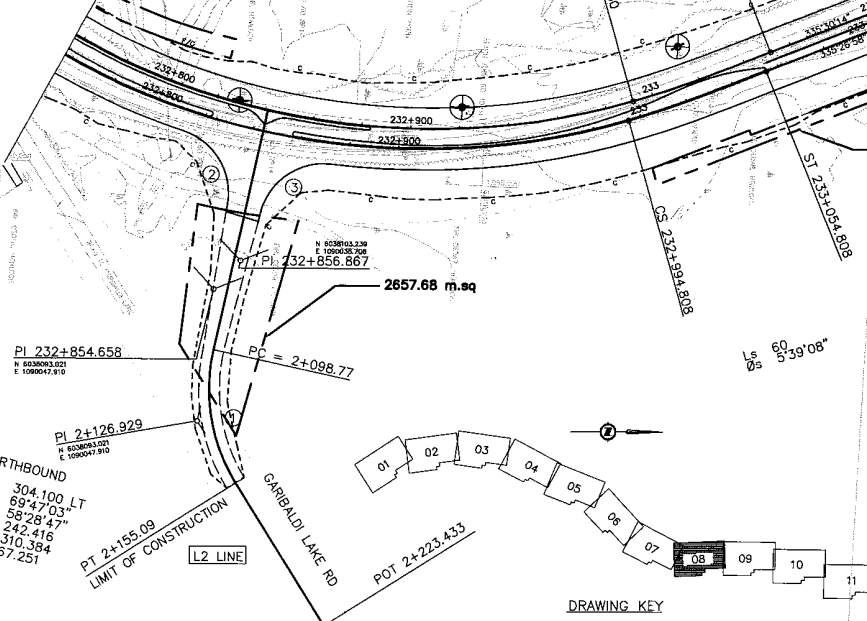
SOUTHBOUND
 R 300.000 LT
 Δ 67°58'22"
 Δc 56°30'49"
 AD 232.576
 ARC 295.905
 Es 62.410

HWY. No. 99 L-100

CHEAKAMUS RIVER BRIDGE

NORTHBOUND
 R 394.647 RT
 Δ 57°23'34"
 Δc 48°40'54"
 AD 246.233
 ARC 333.315
 Es 55.692

MATCH LINE SHEET 0108



SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JAMES/ARG/BB DATE 04/11/26
 CHECKED M.M. DATE 04/11/26
 DRAWN IS/ARG/EA DATE 04/11/26
 APPROVED SEM DATE 04/11/26

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PLAN

DB12 – CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 232+756.133 TO STA 233+535.377

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. WERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 29, 2024
 DRAWING No. 41DD-DB12-0108

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 RESNO 1

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/26	ISSUED FOR REVIEW	
		B	04/11/26	ISSUED FOR INFORMATION	
		C	04/11/26	ALIGNMENT CHANGES	
		D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SOUTH BOUND
 R 300.000 LT
 Δ 45°07'51"
 Δc 33°40'18"
 AD 154.864
 ARC 176.306
 Es 25.413

SOUTH BOUND
 R Δ 750.200 RT
 Δc 10°39'32"
 AD 6°50'25"
 AD 94.997
 ARC 89.565
 Es 3.397

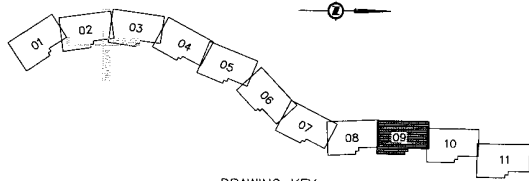
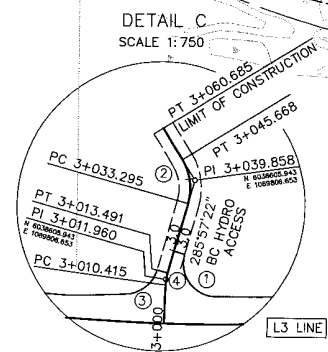
NORTH BOUND
 R 260.000 RT
 Δ 15°26'58"
 Δc 0°01'26"
 AD 70.353
 AD 0.108
 Es 3.173

NORTH BOUND
 R Δ 250.000 RT
 Δc 30°11'35"
 AD 11°31'30"
 AD 107.692
 ARC 51.742
 Es 10.040

380.000 LT
 R Δ 58°24'31"
 AD 239.783
 ARC 303.223
 Es 52.144

HWY No. 99 L-100

CURVE DATA				
①	②	③	④	
R 13.50	R 22.50	R 13.5	R 19.50	
Δ 106°50'25"	Δ 47°15'39"	Δ 72°41'18"	Δ 13°33'27"	
ARC 25.00	ARC 18.56	ARC 17.13	ARC 4.61	



DRAWING KEY

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/26	ISSUED FOR REVIEW	
		B	04/11/26	ISSUED FOR INFORMATION	
		C	04/11/26	ALIGNMENT CHANGES	
		D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SIR S2S TRANSPORTATION GROUP
 SCALE 1:1000
 DESIGNED AA/PC/MRS/RE DATE 05/11/26
 CHECKED MEM DATE 05/11/26
 DRAWN NS/MRS/TA DATE 05/11/26
 APPROVED SEM DATE 05/11/26

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 (SB) STA 233+535.377 TO STA 234+379.297 (SB)
 (NB) STA 233+537.593 TO STA 234+379.543 (NB)

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

FILE No. 214753-EN10-U PROJECT No. 09801-ST3S REGION 1 DRAWING No. 41DD-DB12-0109

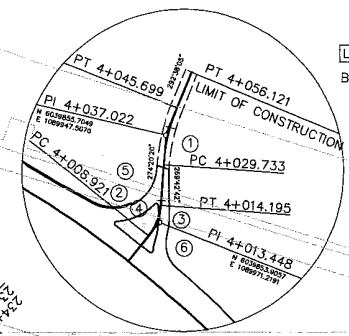
PREPARED UNDER THE DIRECTION OF
 M. MORFE
 SENIOR DESIGN ENGINEER
 DATE NOV 29, 2004



CURVE DATA						
①	②	③	④	⑤	⑥	
R 50.000	R 12.00	R 16.00	R 15.00	R 12.00	R 9.00	
Δ 18°17'43"	Δ 53°14'39"	Δ 16°02'29"	Δ 34°34'58"	Δ 63°55'45"	Δ 65°04'36"	
ARC 15.966	ARC 11.15	ARC 4.48	ARC 9.05	ARC 13.36	ARC 10.22	

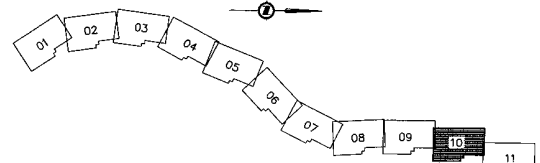
SOUTH BOUND
 R 290.000 RT
 Δ 35°44'40"
 AD 21°54'52"
 Es 128.722
 Es 110.919
 Es 15.443

NORTH BOUND
 R 250.000 RT
 Δ 53°13'53"
 AD 37°11'19"
 Es 160.663
 Es 162.267
 Es 30.545



DETAIL A
 SCALE 1:750

HWY No. 99 L-100



DRAWING KEY

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/28	ISSUED FOR REVIEW	
B	04/11/28	ISSUED FOR INFORMATION	
C	04/11/28	ALIGNMENT CHANGES	
D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA/AS/AB/BS DATE 04/11/28
 CHECKED: M/M DATE 04/11/28
 DRAWN: SG/MRD/A DATE 04/11/28
 APPROVED: M/M DATE 04/11/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 (SB) STA 234+379.297 TO STA 235+208.813 (SB)
 (NB) STA 234+379.543 TO STA 235+208.813 (NB)

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER

DATE NOV 28, 2004
 DRAWING No. 41DD-DB12-0110

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1

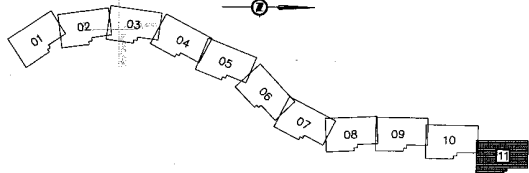
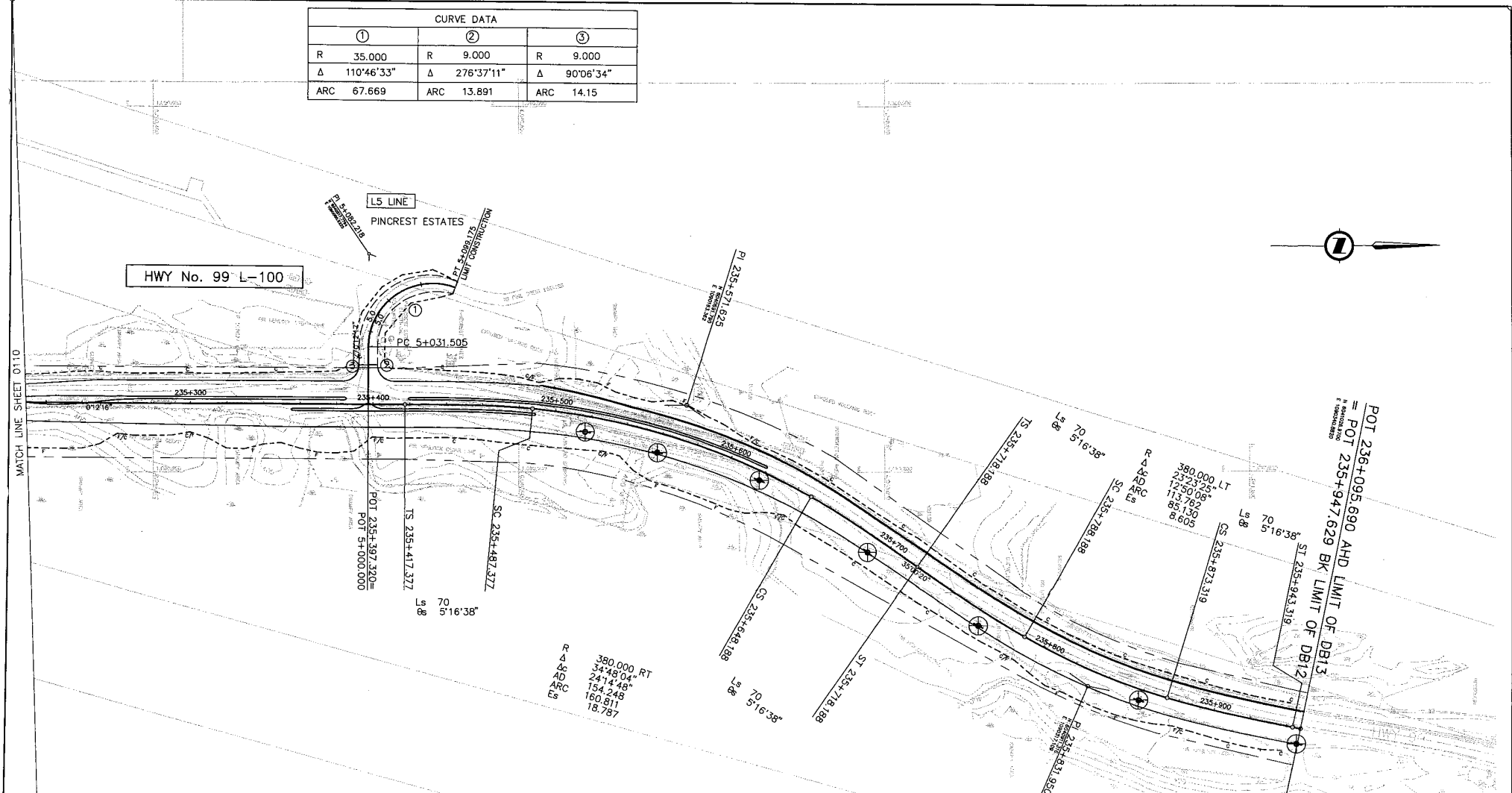
MATCH LINE SHEET 0111

MATCH LINE SHEET 0109

CURVE DATA					
①	②	③			
R	35.000	R	9.000	R	9.000
Δ	110°46'33"	Δ	276°37'11"	Δ	90°06'34"
ARC	67.669	ARC	13.891	ARC	14.15

HWY No. 99 L-100

MATCH LINE SHEET 0110



DRAWING KEY

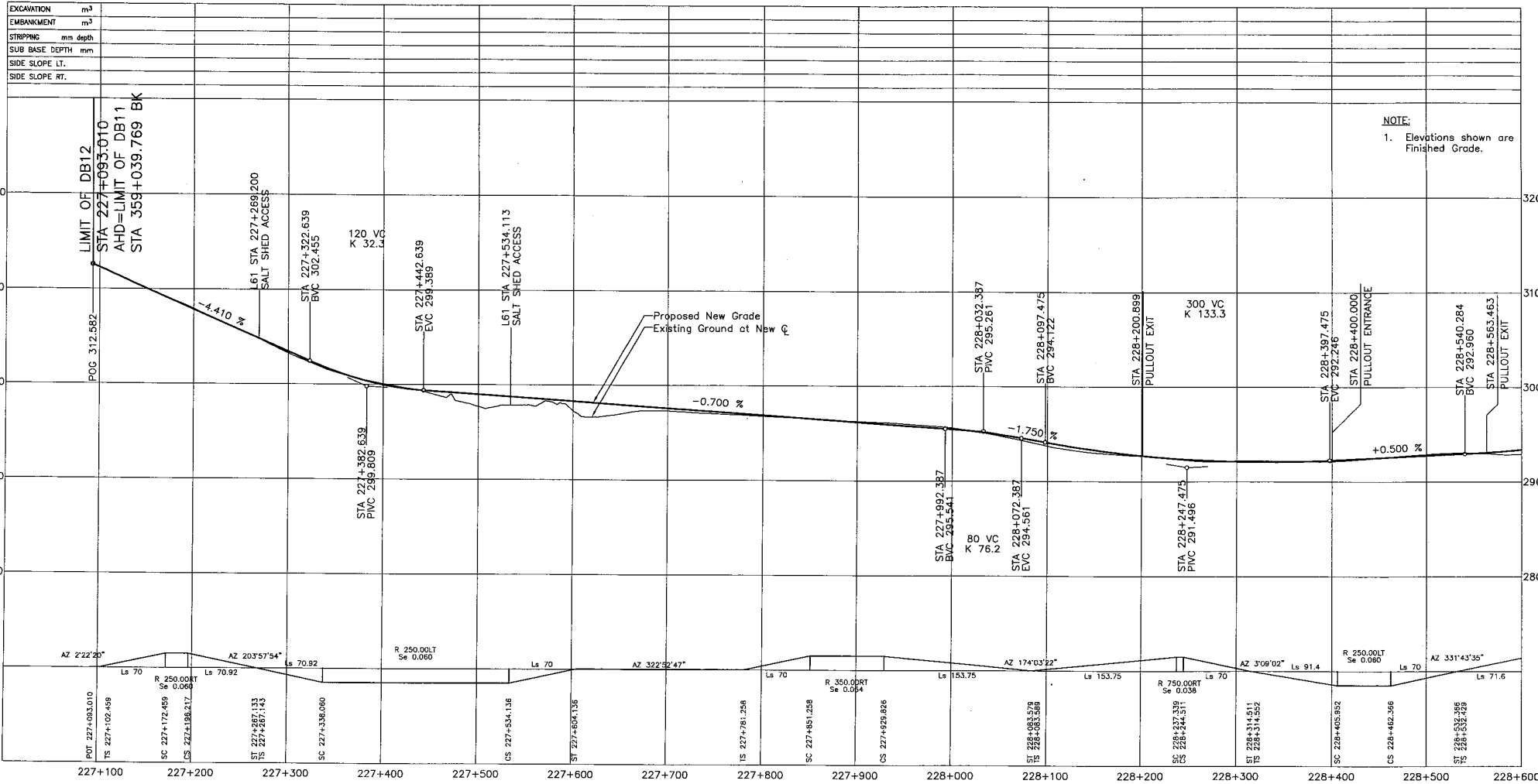
R
Δ
AD
ARC
ES
380.000 RT
34'48.04"
24'14.48"
154.248
160.811
18.787

 SCALE 0 1:1000 50 DESIGNED AA/PC/ARG/BB DATE 05/11/28 CHECKED M/M DATE 05/11/28 DRAWN SS/ARG/AA DATE 05/11/28 APPROVED M/M DATE 05/11/28	 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB12 - CHEAKAMUS CANYON TO NORTH GALBALDI CDZ STA 235+208.813 TO STA 235+948	 Project Manager Design Consultant	PREPARED UNDER THE DIRECTION OF SENIOR PRINCIPAL ENGINEER DATE NOV 29, 2024 DRAWING No.

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS



NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80km/h

SRS
S2S
TRANSFORMATION GROUP

DESIGNED: AA/22/ABG/28 DATE: 05/11/28
CHECKED: SJM DATE: 05/11/28
DRAWN: SRS/25/EA DATE: 05/11/28
APPROVED: SJM DATE: 05/11/28

SCALE: 0 Horiz. 1:2000 100
0 Vert. 1:200

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PROFILE
L-100
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI COZ
STA 227+083.010 TO STA 228+600

Project Manager: Hatch Mott MacDonald
Design Consultant: uma

PREPARED UNDER THE DIRECTION OF:
M. WERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 29, 2024
DRAWING No. 41DD-DB12-0201

DWG. No.	Description	Rev.	Date	Description	Signature
		A	24/10/28	ISSUED FOR REVIEW	
		B	24/11/28	ISSUED FOR INFORMATION	
		C	24/11/28	ALIGNMENT CHANGES	
		D	25/01/28	ISSUED FOR PROPOSAL SUBMISSION	

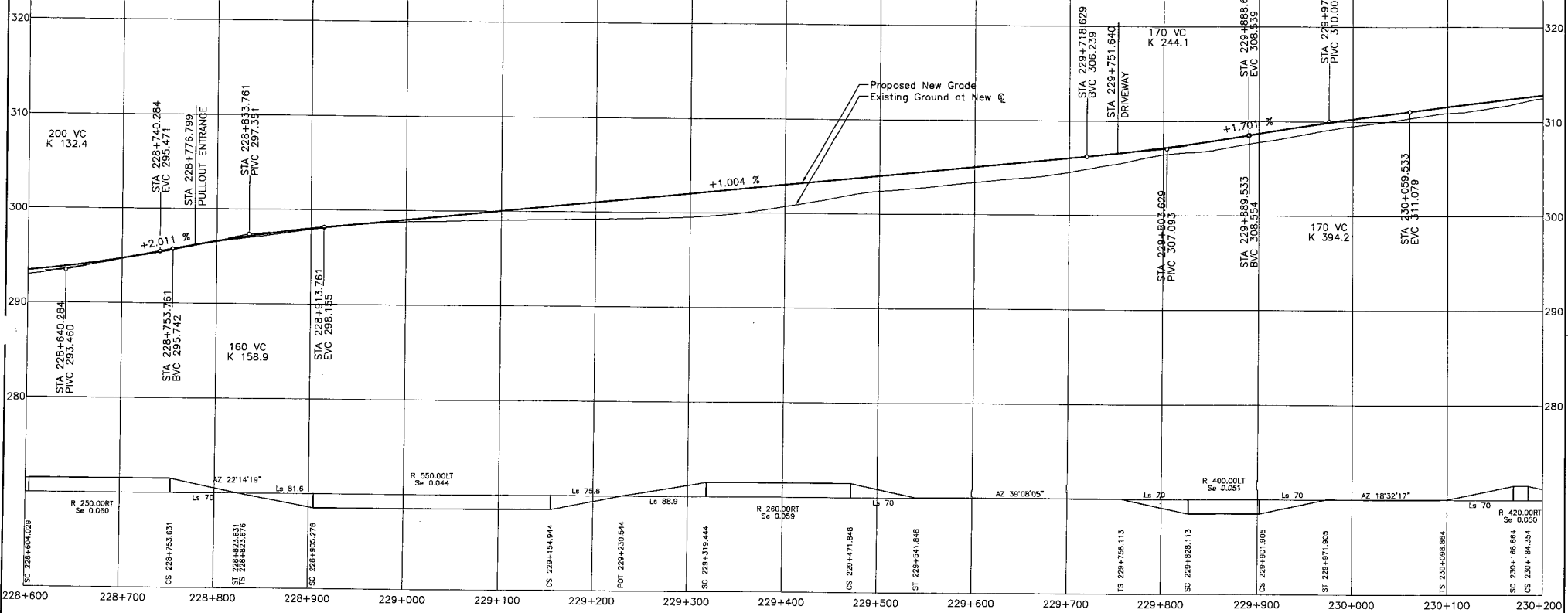
REFERENCE DRAWINGS

REVISIONS

FILE No. 214753-EN10-U
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB12-0201

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	mm depth
SUB BASE DEPTH	mm
SIDE SLOPE LT.	
SIDE SLOPE RT.	

NOTE:
1. Elevations shown are Finished Grade.



DESIGN SPEED 80km/h

SRS
S2S
TRANSPORTATION GROUP

DESIGNED: AA/CS/ANG/DR DATE: 05/11/28
CHECKED: MMW DATE: 05/11/28
DRAWN: ABS/MS/TA DATE: 05/11/28
APPROVED: BLM DATE: 05/11/28

SCALE: 0 Horiz. 1:2000 100
0 Vert. 1:200 10

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
L-100
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI COZ
STA 228+600 TO STA 230+200

Project Manager: Hatch Mott MacDonald
Design Consultant: uma
PREPARED UNDER THE DIRECTION OF: M. METZ
SENIOR DESIGN ENGINEER
DATE: NOV 29, 2004

FILE No. 214753-EN10-U
PROJECT No. 09901-ST33
REGION 1
DRAWING No. 41DD-DB12-0202

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

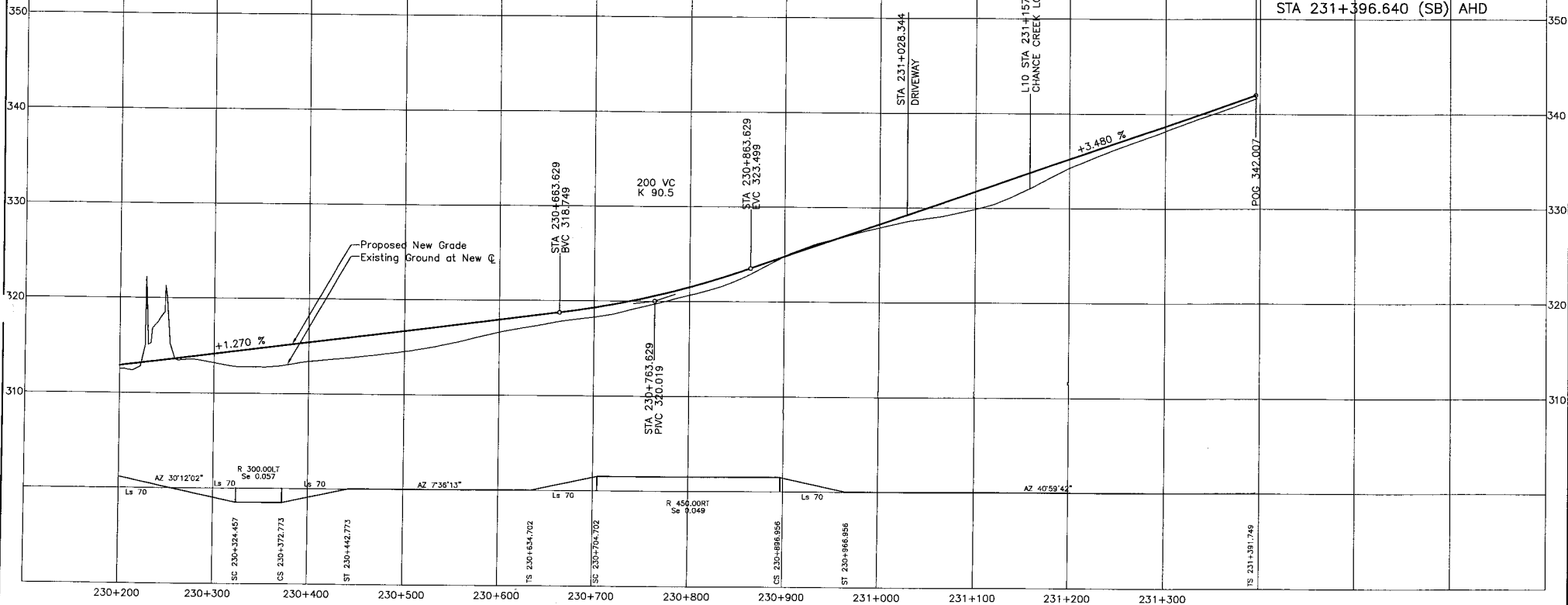
REVISIONS

HW 030 PCL HW

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	mm depth
SUB BASE DEPTH	mm
SIDE SLOPE LT.	
SIDE SLOPE RT.	

NOTE:

- Elevations shown are Finished Grd.



STA 231+395.462 BK =
 STA 231+396.175 (NB) AHD =
 STA 231+396.640 (SB) AHD

DESIGN SPEED 80km/h

SRS
 TRANSPORTATION GROUP

DESIGNED AA/CS/AS/28 DATE 04/11/28
 CHECKED MLM DATE 05/11/28
 DRAWN MS/28/28 DATE 05/11/28
 APPROVED MLM DATE 05/11/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
 L-100
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 230+200 TO STA 231+395.462

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

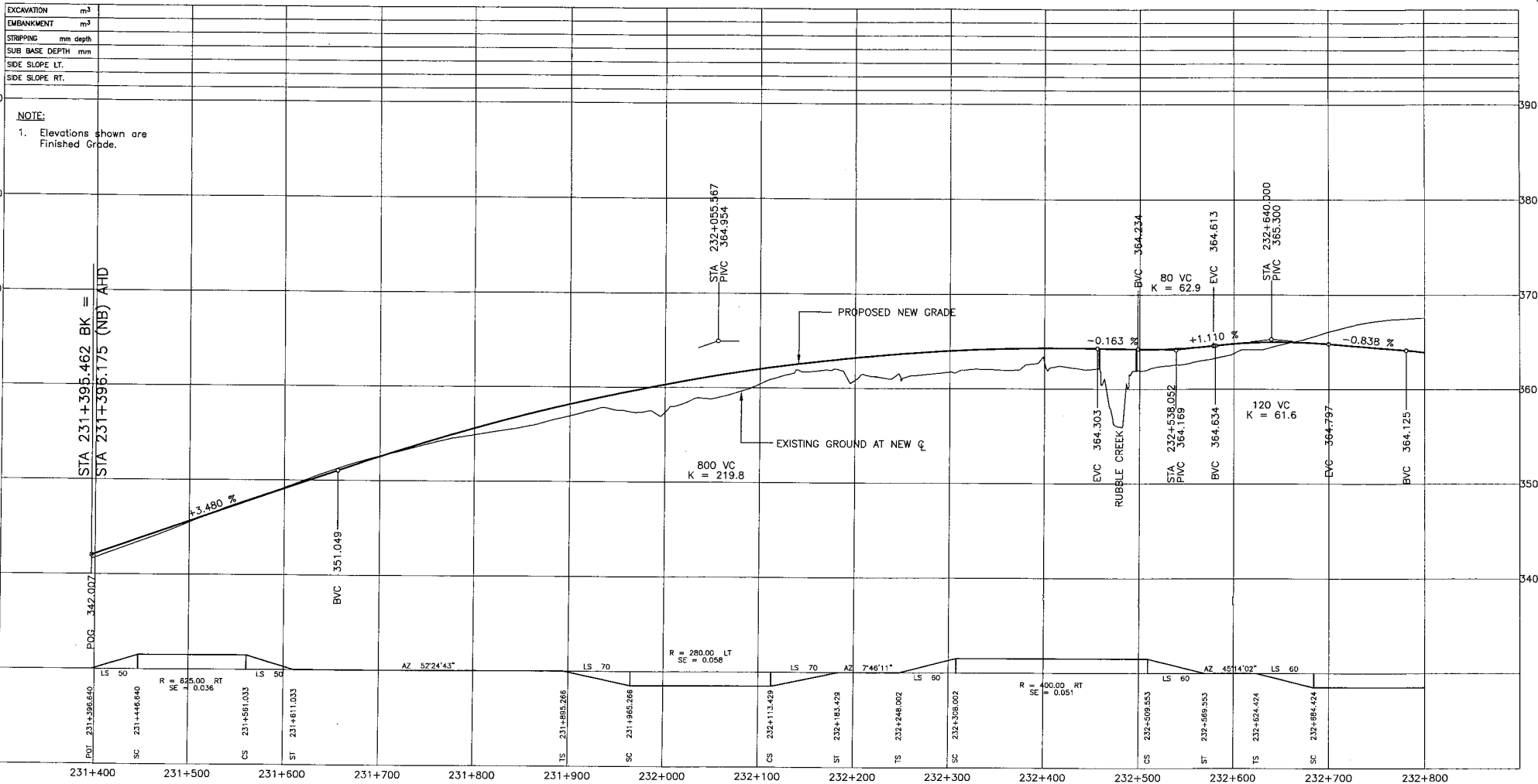
PREPARED UNDER THE DIRECTION OF
 U. MERTZ
 SENIOR DESIGN ENGINEER

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST33
 RESUM 1
 DATE NOV 29, 2024
 DRAWING No. 41DD-DB12-0203 PD

REFERENCE DRAWINGS

REVISIONS

MM 010 010 010



EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	mm depth
SUB BASE DEPTH	mm
SIDE SLOPE LT.	
SIDE SLOPE RT.	

NOTE:
1. Elevations shown are Finished Grade.

DESIGN SPEED 80km/h

SJR S2S TRANSPORTATION GROUP

DESIGNED: AA/PS/AS/BE DATE: 01/21/28
 CHECKED: MEW DATE: 01/21/28
 TO DRAWN: AS/PS/EA DATE: 01/21/28
 APPROVED: SEM DATE: 01/21/28

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
L100 NORTHBOUND
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 231+396.175 TO STA 232+800

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
M. WEST
SENIOR DESIGN ENGINEER
DATE: NOV 29, 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-STS3
 REGION 1
 DRAWING No. 41DD-DB12-0204 PD

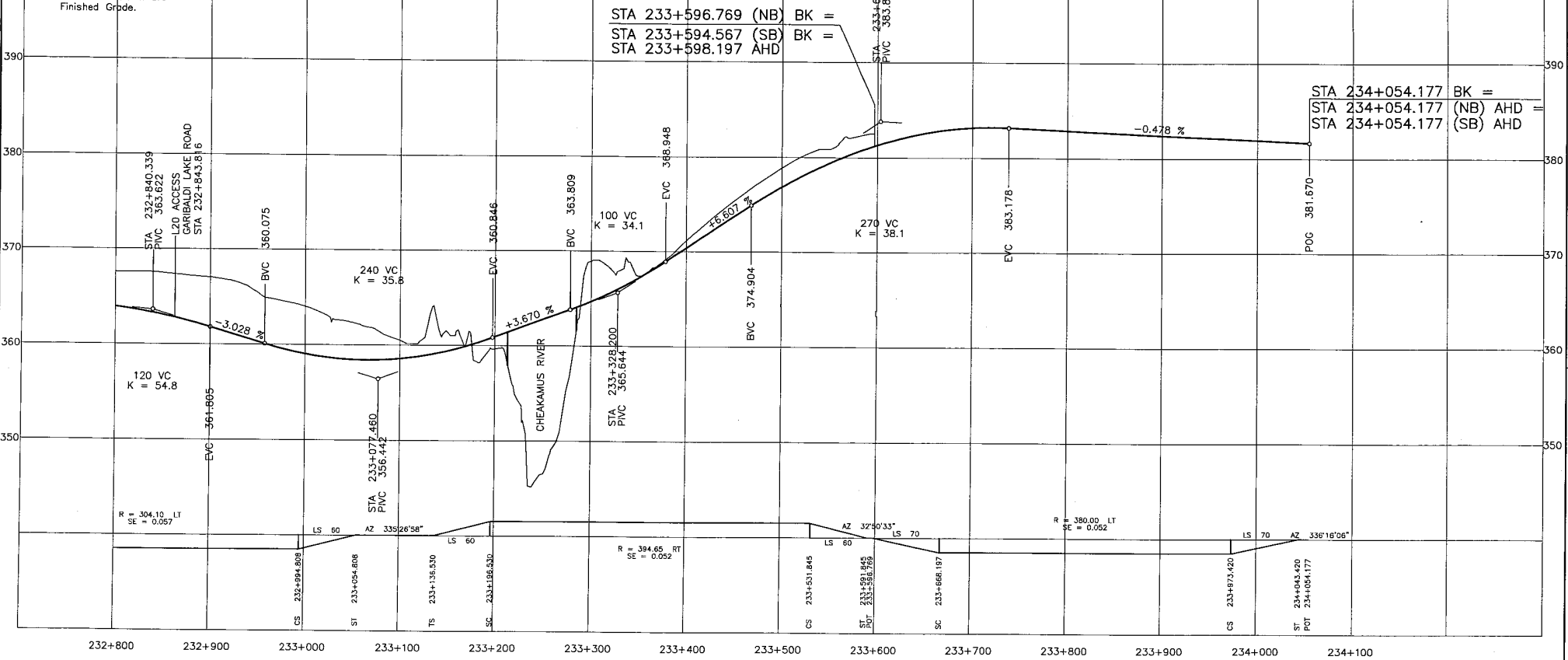
REFERENCE DRAWINGS

REVISIONS

UMA CAD FILE NO.

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	mm depth
SUB BASE DEPTH	mm
SIDE SLOPE LT.	
SIDE SLOPE RT.	

NOTE:
1. Elevations shown are Finished Grade.



DESIGN SPEED 80km/h

SRS
S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

SCALE: 0 Horiz. 1:2000 100 TO 0 Vert. 1:200

DBFO - HORSESHOE BAY TO WHISTLER
L100 NORTHBOUND
PROFILE
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 232+800 TO STA 234+054.177

DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/26	ISSUED FOR REVIEW	
		B	24/11/26	ISSUED FOR INFORMATION	
		C	24/11/26	ALIGNMENT CHANGES	
		D	25/01/27	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **UMA**
PREPARED UNDER THE DIRECTION OF: **M. METZ** SENIOR DESIGN ENGINEER
DATE: NOV 25, 2024
DRAWING No. **41DD-DB12-0205**

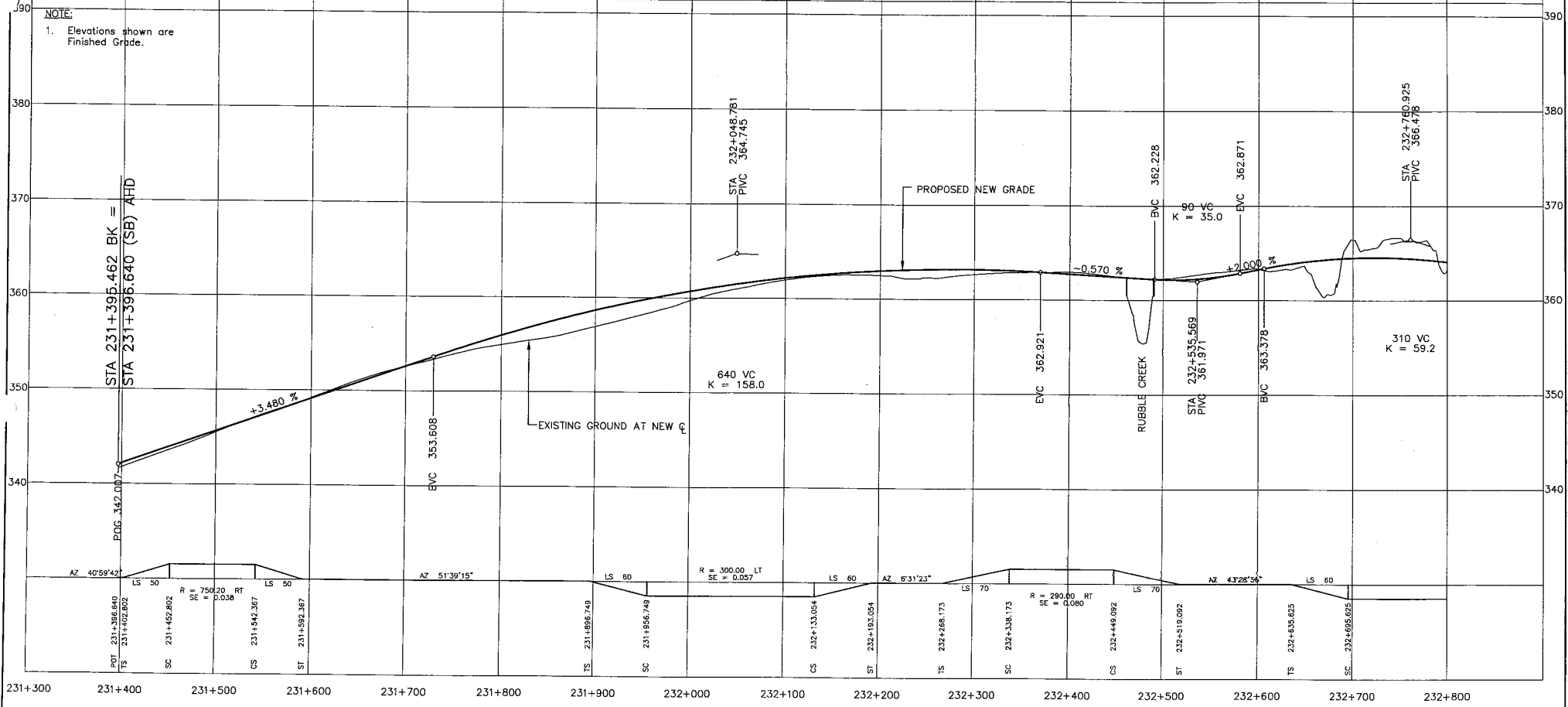
REFERENCE DRAWINGS

REVISIONS

FILE No. **214753-EN10-U** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB12-0205** PD

EXCAVATION	m ³
EMBANKMENT	m ³
STRIPPING	mm depth
SUB BASE DEPTH	mm
SIDE SLOPE LT.	
SIDE SLOPE RT.	

NOTE:
1. Elevations shown are Finished Grde.



DESIGN SPEED 80km/h

SIR S2S TRANSPORTATION GROUP
 DESIGNED: AA/AS/AS/29 DATE: 05/21/28
 SCALE: 0 Horiz. 1:2000 100 CHECKED: MM DATE: 05/21/28
 0 Vert. 1:200 TO DRAWN: AS/AS/28 DATE: 05/21/28
 APPROVED: BLM DATE: 05/21/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE
 L100 SOUTHBOUND
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 231+396.640 TO STA 232+800

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. MERTZ, SENIOR DESIGN ENGINEER
 FILE No.: 214753-EN10-U
 PROJECT No.: 09901-ST53
 DRAWING No.: 41DD-DB12-0206 (PD)

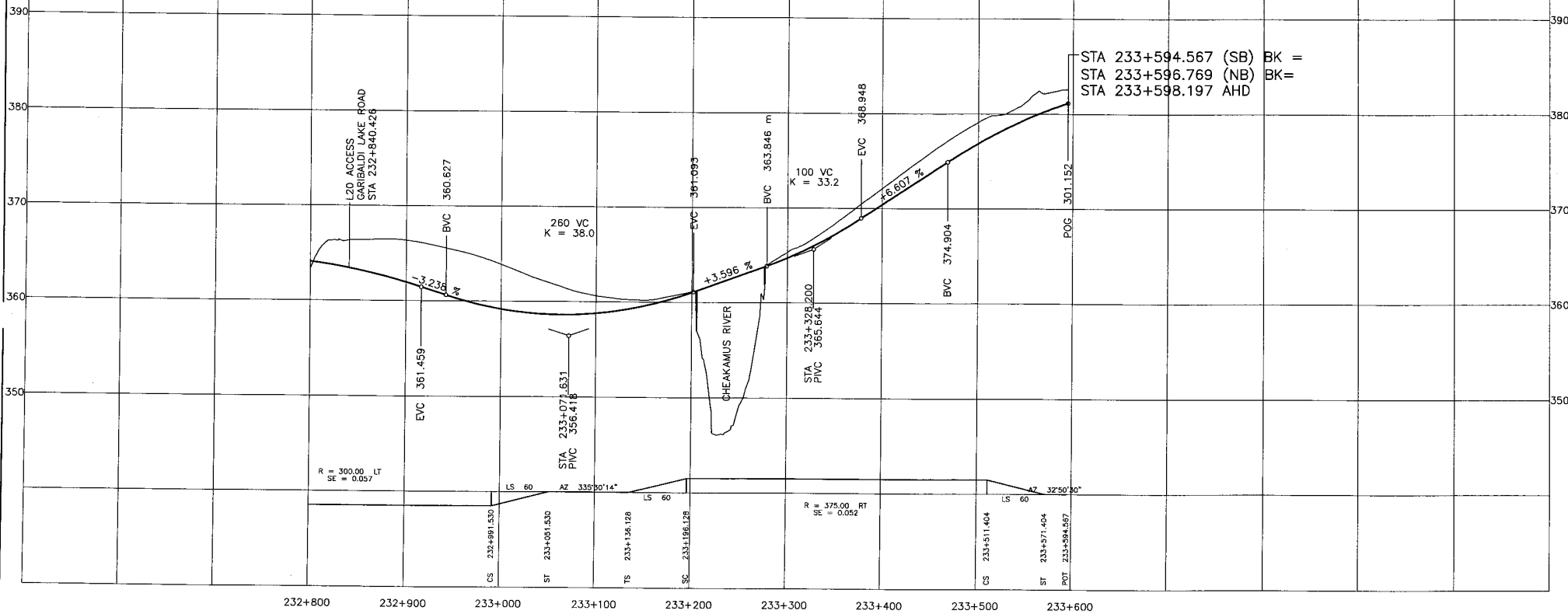
REFERENCE DRAWINGS

REVISIONS

11/2024

EXCAVATION	m ³																		
EMBANKMENT	m ³																		
STRIPPING	mm depth																		
SUB BASE DEPTH	mm																		
SIDE SLOPE LT.																			
SIDE SLOPE RT.																			

NOTE:
1. Elevations shown are Finished Grade.



STA 233+594.567 (SB) BK =
STA 233+596.769 (NB) BK =
STA 233+598.197 AHD

DESIGN SPEED 80km/h

SJR	
TRANSPORTATION GROUP	
DESIGNED	AA/RS/ABE/BB DATE: 04/11/28
CHECKED	MLW DATE: 05/21/28
TO DRAWN	ABE/RS/AA DATE: 05/11/28
APPROVED	RLM DATE: 05/11/28

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
PROFILE
L100 SOUTHBOUND
DB12 – CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 232+800 TO STA 233+594.567

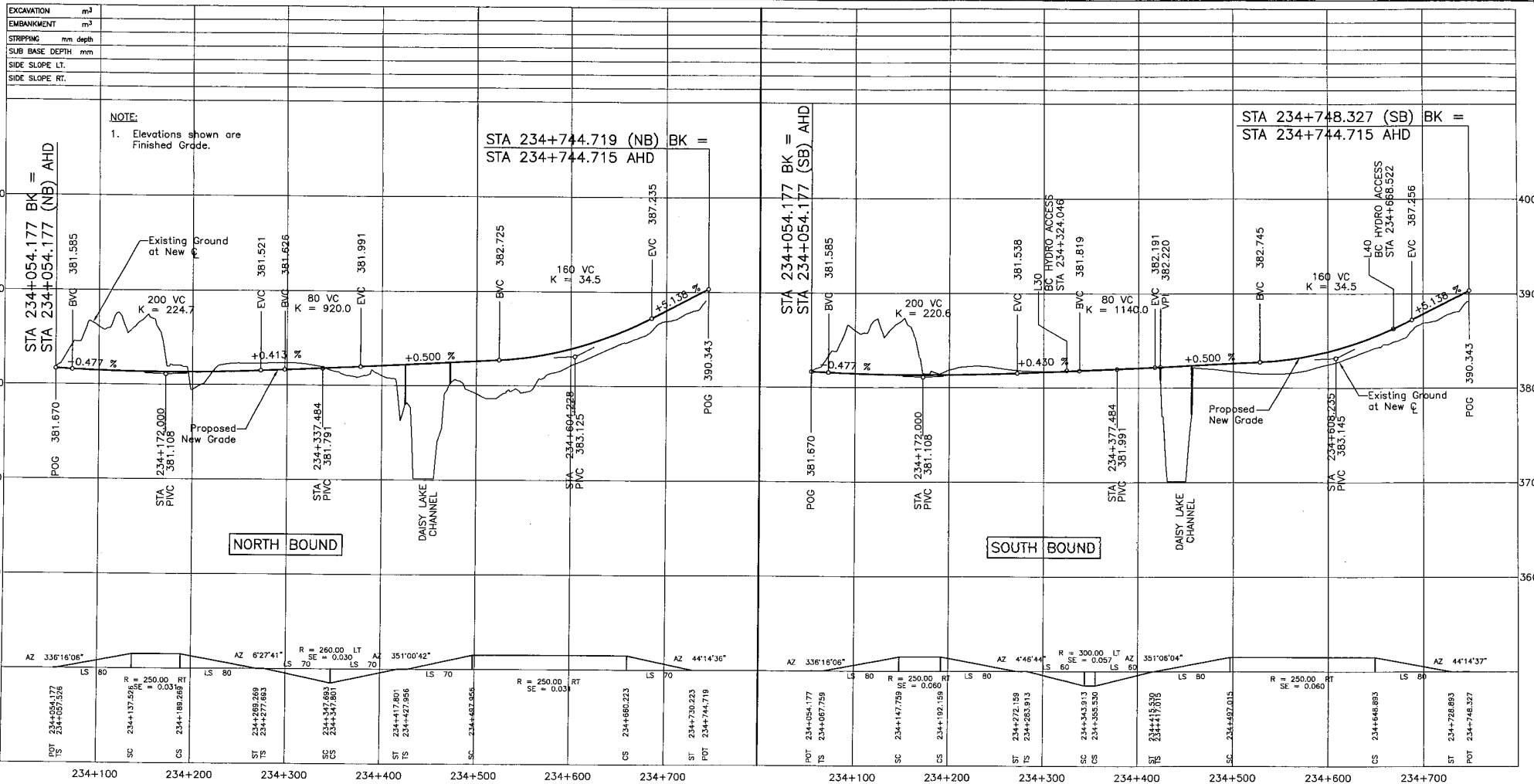
Rev.	Date	Description	Signature
A	04/10/28	ISSUED FOR REVIEW	
B	04/11/28	ISSUED FOR INFORMATION	
C	04/11/28	ALIGNMENT CHANGES	
D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **UMA**
PREPARED UNDER THE DIRECTION OF: **M. HERTZ**
SENIOR DESIGN ENGINEER
DATE: NOV 29, 2004

REFERENCE DRAWINGS

REVISIONS

FILE No.: **214753-EN10-U**
PROJECT No.: **09901-ST53**
REGION: **1**
DRAWING No.: **41DD-DB12-0207 (PD)**



DESIGN SPEED 80km/h

SRS
S2S
 TRANSPORTATION GROUP

DESIGNED: SA/TS/MS/MB DATE: 01/12/08
 CHECKED: SLM DATE: 01/12/08
 DRAWN: SPS/MS/AA DATE: 01/12/08
 APPROVED: SLM DATE: 01/12/08

SCALE: 0 Horiz. 1:2000 100
 0 Vert. 1:200

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 234+054.177 (NB) TO STA 234+744.715 (NB)
 STA 234+054.177 (SB) TO STA 234+748.327 (SB)

DWG. No.	Description	Rev.	Date	Description	Signature
		A	24/10/28	ISSUED FOR REVIEW	
		B	24/11/28	ISSUED FOR INFORMATION	
		C	24/11/28	ALIGNMENT CHANGES	
		D	25/01/10	ISSUED FOR PROPOSAL SUBMISSION	

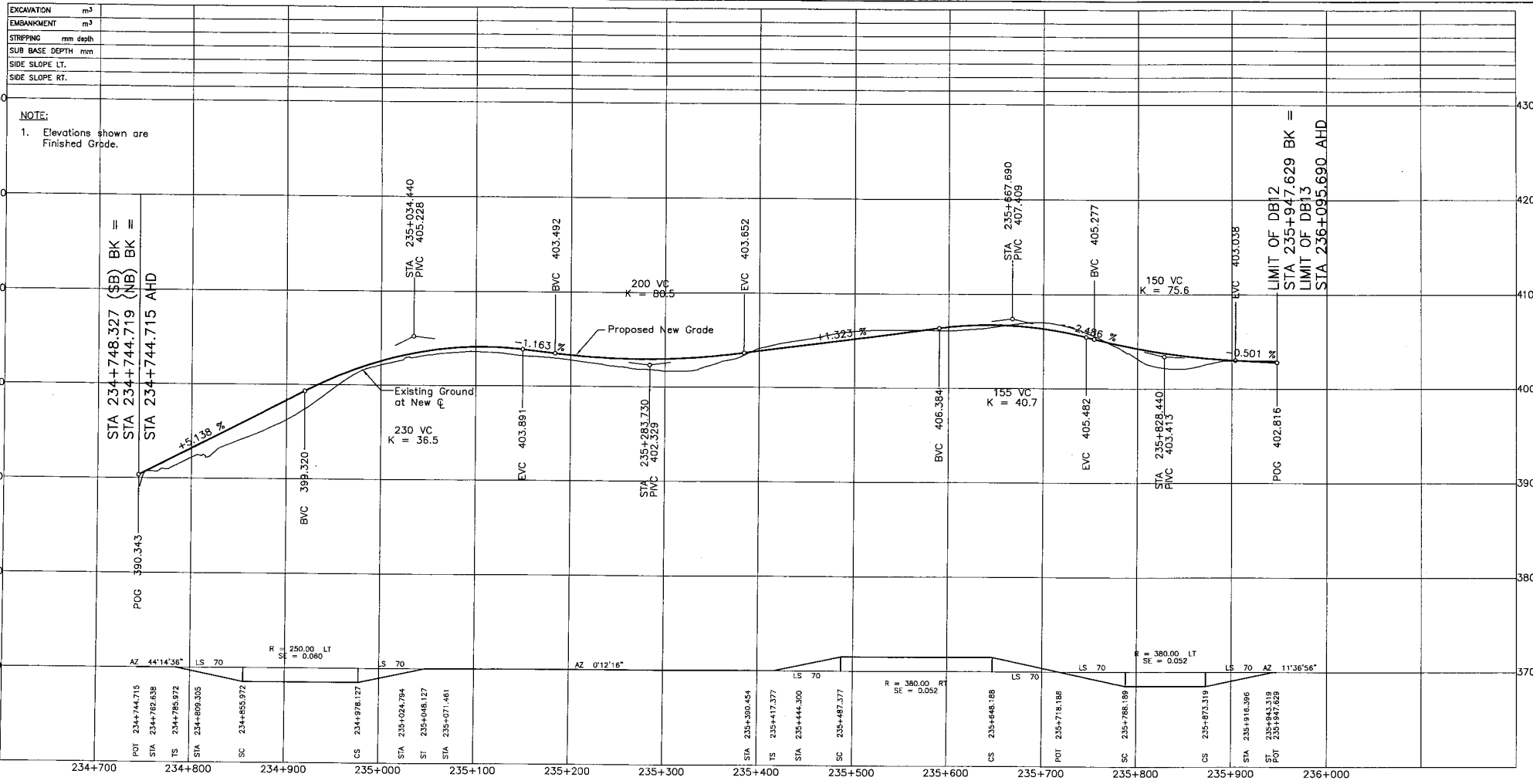
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 M. WERTS
 SENIOR DESIGN ENGINEER
 DATE: NOV 28, 2004

FILE No. 214753-EM10-U
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB12-0208 [PD]

REFERENCE DRAWINGS REVISIONS

Hatch Mott MacDonald



DESIGN SPEED 80km/h

SRS
TRANSPORTATION GROUP

DESIGNED: SA/TC/ASG/29 DATE: 01/11/20
 CHECKED: MEL DATE: 01/11/20
 DRAWN: ASG/MS/2/A DATE: 01/11/20
 APPROVED: MEL DATE: 01/11/20

SCALE: 0 Horiz. 1:2000
 0 Vert. 1:200

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 234+744.715 TO STA 235+947.629

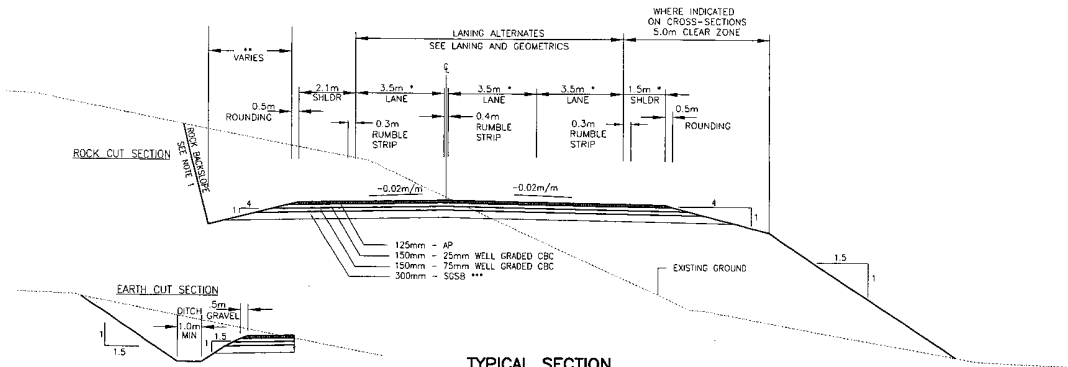
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**
 PREPARED UNDER THE DIRECTION OF: **E. WERTZ**
 SENIOR DESIGN ENGINEER
 DATE: NOV 29, 2004
 DRAWING NO.: 41DD-DB12-0209

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/20	ISSUED FOR REVIEW	
		B	04/11/20	ISSUED FOR INFORMATION	
		C	04/11/20	ALIGNMENT CHANGES	
		D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

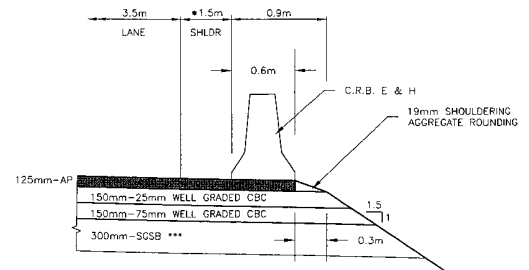
REVISIONS

FILE No.: 214753-EN10-U
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB12-0209

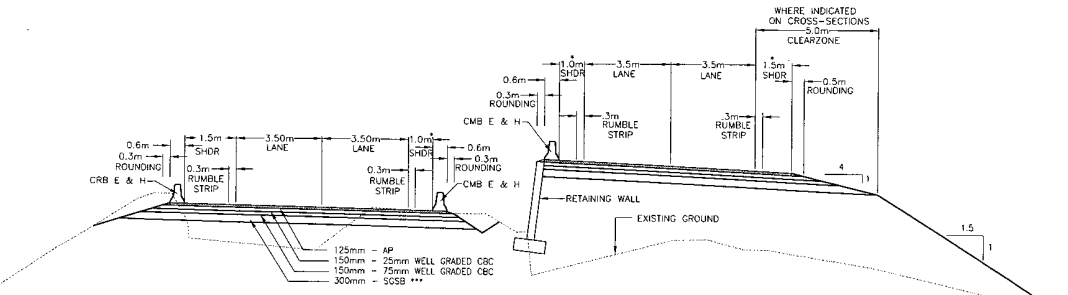


**TYPICAL SECTION
CUT/FILL**

STA. 227+093.010 TO STA. 231+395.462
STA. 233+598.197 TO STA. 234+054.177
STA. 234+744.715 TO STA. 235+947.629
 SCALE N.T.S.

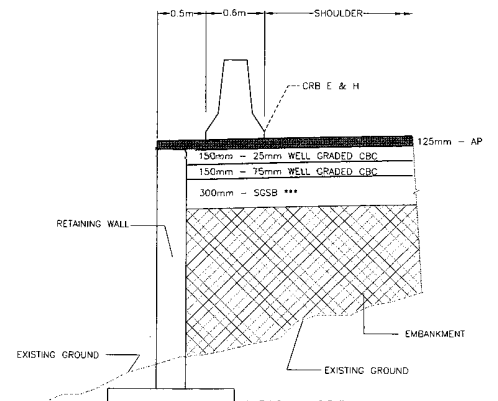


TYPICAL CRB INSTALLATION
SCALE N.T.S.



**TYPICAL SECTION
SPLIT GRADE**

STA. 232+488 TO STA. 232+617
SCALE N.T.S.



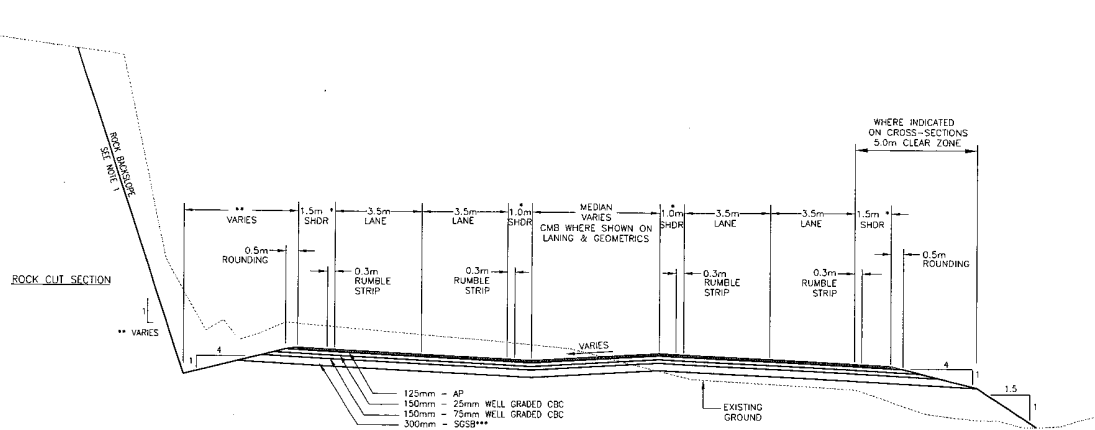
**TYPICAL CRB INSTALLATION AT
RETAINING WALL DETAIL**
SCALE N.T.S.

CUT ANGLE	SLOPE HEIGHT (m)	CATCHMENT WIDTH (m)
0.25H : 1	0-8	3
	8-16	4
	>16	5
0.333 & 0.5H : 1	0-6	3
	6-12	4
	>12	5

- NOTES**
- MINIMUM WIDTH - SEE LANING & GEOMETRICS
 - CATCHMENT WIDTHS
 - USE SGSB LAYER IN TYPE D CUT AND FILL SECTIONS ONLY.
 - 1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

<p>DESIGNED: MJC/ASG/BB DATE 04/11/26 CHECKED: JLM DATE 04/11/26 DRAWN: SO/MSC/TA DATE 04/11/26 APPROVED: MLM DATE 04/11/26</p>	<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ</p>	<p>Project Manager Design Consultant</p>	<p>PREPARED UNDER THE DIRECTION OF W. WERTZ SENIOR DESIGN ENGINEER</p>
<p>REFERENCE DRAWINGS</p>		<p>REVISIONS</p>	
<p>214753-EN10-U</p>		<p>09901-ST3S 1 41DD-0B12-0301/PD</p>	

DATE PLOTTED: 11/29/24 10:00 AM



**TYPICAL SECTION
SPLIT GRADE**
 STA. 231+396.175 TO STA. 232+488.000
 STA. 232+617.000 TO STA. 233+598.197
 STA. 234+054.177 TO STA. 234+744.715
 SCALE N.T.S.

CUT ANGLE	SLOPE HEIGHT (m)	CATCHMENT WIDTH (m)
0.25H : 1	0-8	3
	8-16	4
	>16	5
0.333 & 0.5H : 1	0-6	3
	6-12	4
	>12	5

- NOTES**
- * MINIMUM WIDTH - SEE LANING & GEOMETRICS
 - ** CATCHMENT WIDTHS
 - *** USE SGSB LAYER IN TYPE D CUT AND FILL SECTIONS ONLY.
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.

S2S TRANSPORTATION GROUP

SCALE: AS SHOWN

DESIGNED: JAV/AS/RS, DATE 02/11/20
 CHECKED: SJM, DATE 02/11/20
 DRAWN: SG/AS/EA, DATE 02/11/20
 APPROVED: SJM, DATE 02/11/20

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 TYPICAL SECTIONS

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ

DWG. No.	Description	Rev.	Date	Description	Signature
		A	24/11/20	ISSUED FOR INFORMATION	
		B	24/11/20	ALIGNMENT CHANGES	
		C	05/01/21	ISSUED FOR PROPOSAL SUBMISSION	

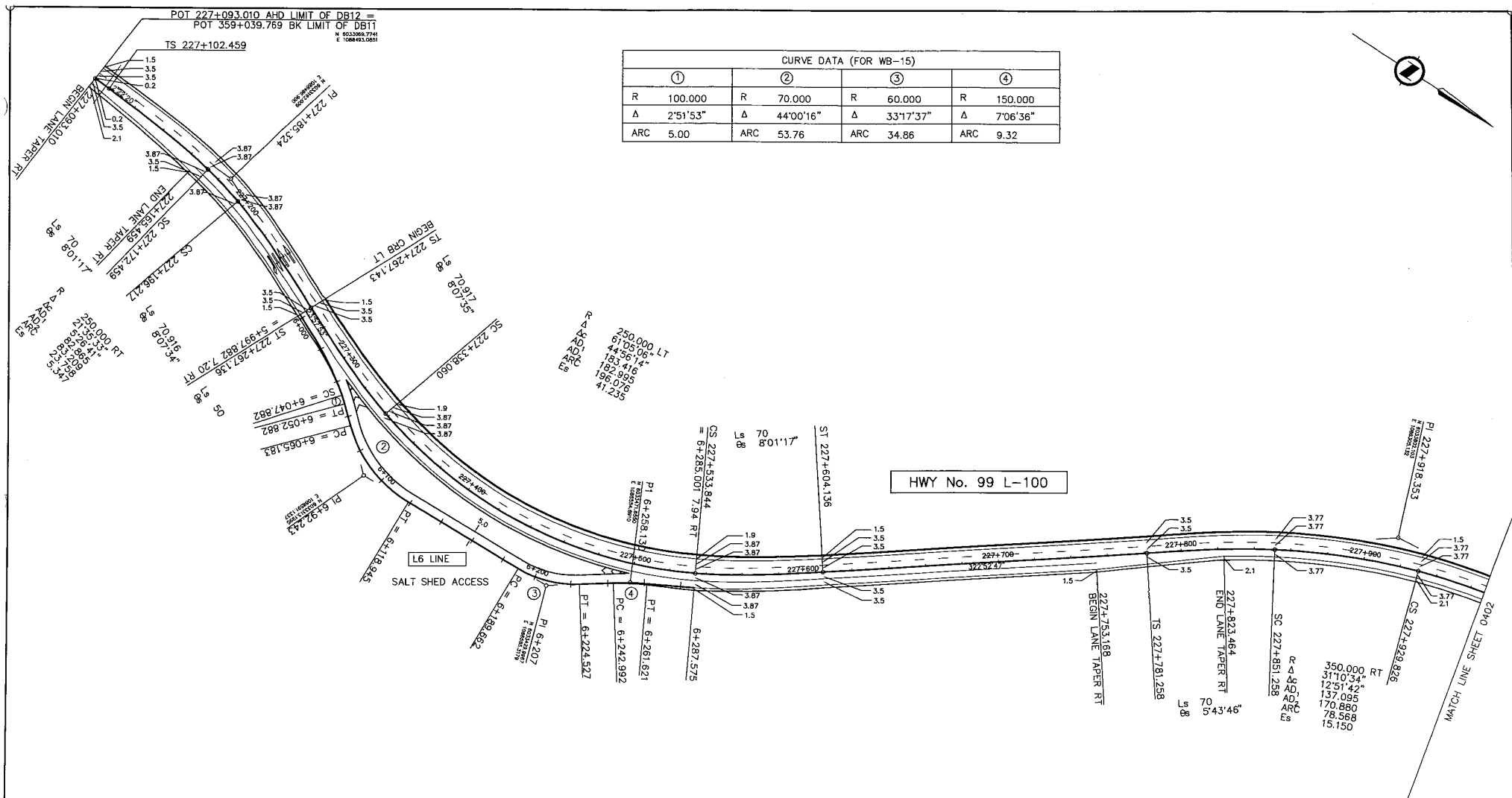
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 M. MERRIS
 SENIOR DESIGN ENGINEER

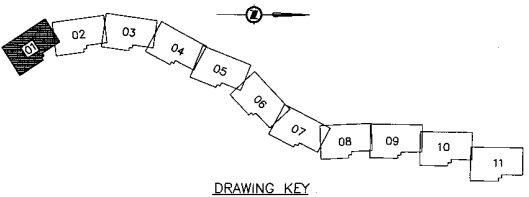
DATE: NOV. 28, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB12-0302 | PC

REFERENCE DRAWINGS REVISIONS



CURVE DATA (FOR WB-15)			
①	②	③	④
R 100.000	R 70.000	R 60.000	R 150.000
Δ 2°51'53"	Δ 44°00'16"	Δ 33°17'37"	Δ 7°06'36"
ARC 5.00	ARC 53.76	ARC 34.86	ARC 9.32



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

SRS
S2S
TRANSPORTATION GROUP

DESIGNED: J.A./P.C./A.R.S./D.S. DATE 05/11/08
CHECKED: J.M.M. DATE 05/11/08
DRAWN: S.G./A.R.D./A. DATE 05/11/08
APPROVED: J.M.M. DATE 05/11/08

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LAINING

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 227+100.000 TO STA 227+967.992

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **UMA**

FILE No. 214753-EN10-U
PROJECT No. 09901-ST53
REGION 1
DATE NOV 29, 2004
DRAWING No. 41DD-DB12-0401

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	04/11/08	ALIGNMENT CHANGES	
		D	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

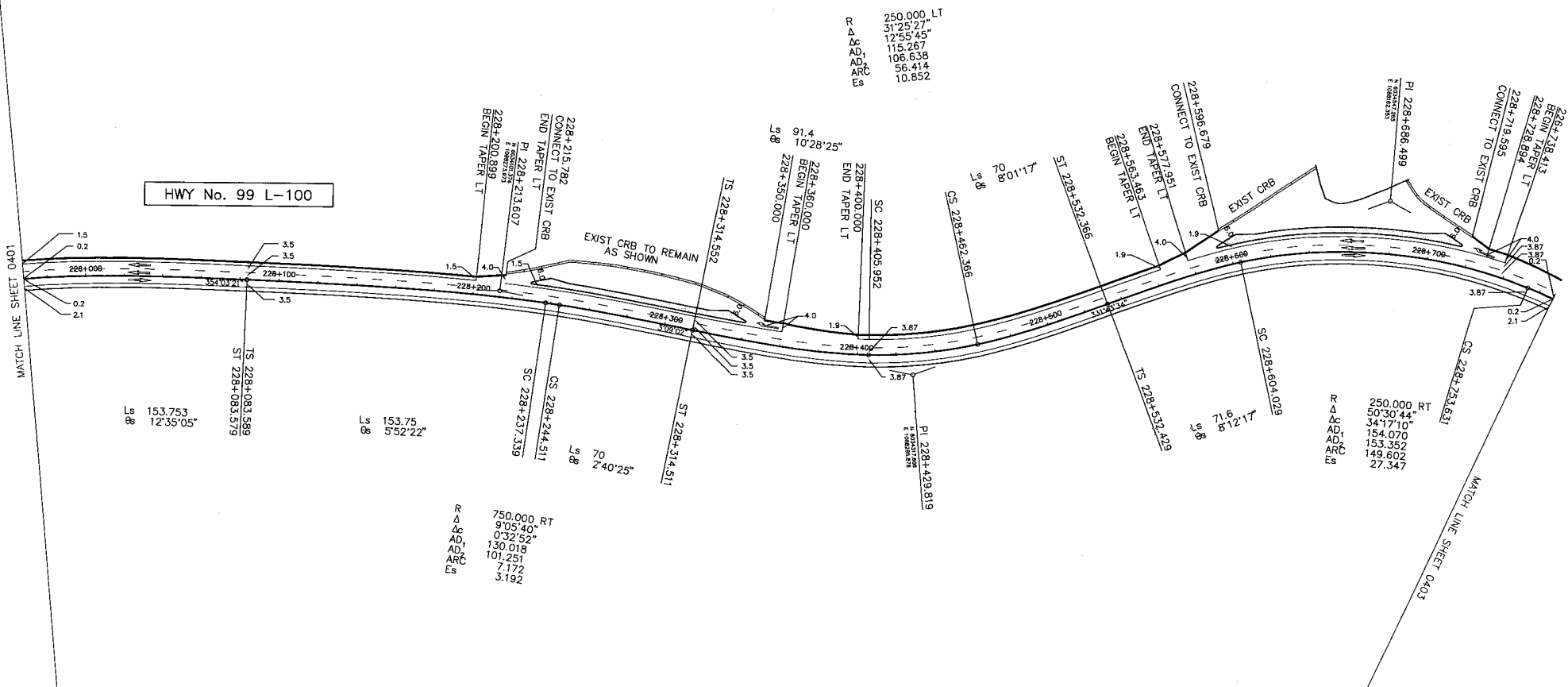
REFERENCE DRAWINGS REVISIONS



HWY No. 99 L-100

MATCH LINE SHEET 0401

MATCH LINE SHEET 0403



250.000 LT
 R 51°25'27"
 Δc 12°55'45"
 AD 115.267
 AD 106.638
 ARC 56.414
 Es 10.852

250.000 RT
 R 50°30'44"
 Δc 34°17'10"
 AD 154.070
 AD 153.352
 ARC 149.602
 Es 27.347

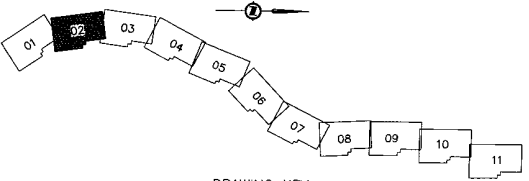
750.000 RT
 R 9°05'40"
 Δc 0°32'52"
 AD 130.018
 AD 101.251
 ARC 7.172
 Es 3.192

153.753
 12°35'05"

153.75
 5°52'22"

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DRAWING KEY

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/24	ISSUED FOR REVIEW	
		B	04/11/24	ISSUED FOR INFORMATION	
		C	04/11/24	ALIGNMENT CHANGES	
		D	05/01/24	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISED	
Rev	Date

SJR
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A./P.G./A.R.G./R.S.L. DATE 05/11/24
 CHECKED: M.L.M. DATE 05/11/24
 DRAWN: R.S.L./M.S./T.A. DATE 05/11/24
 APPROVED: M.L.M. DATE 05/11/24

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

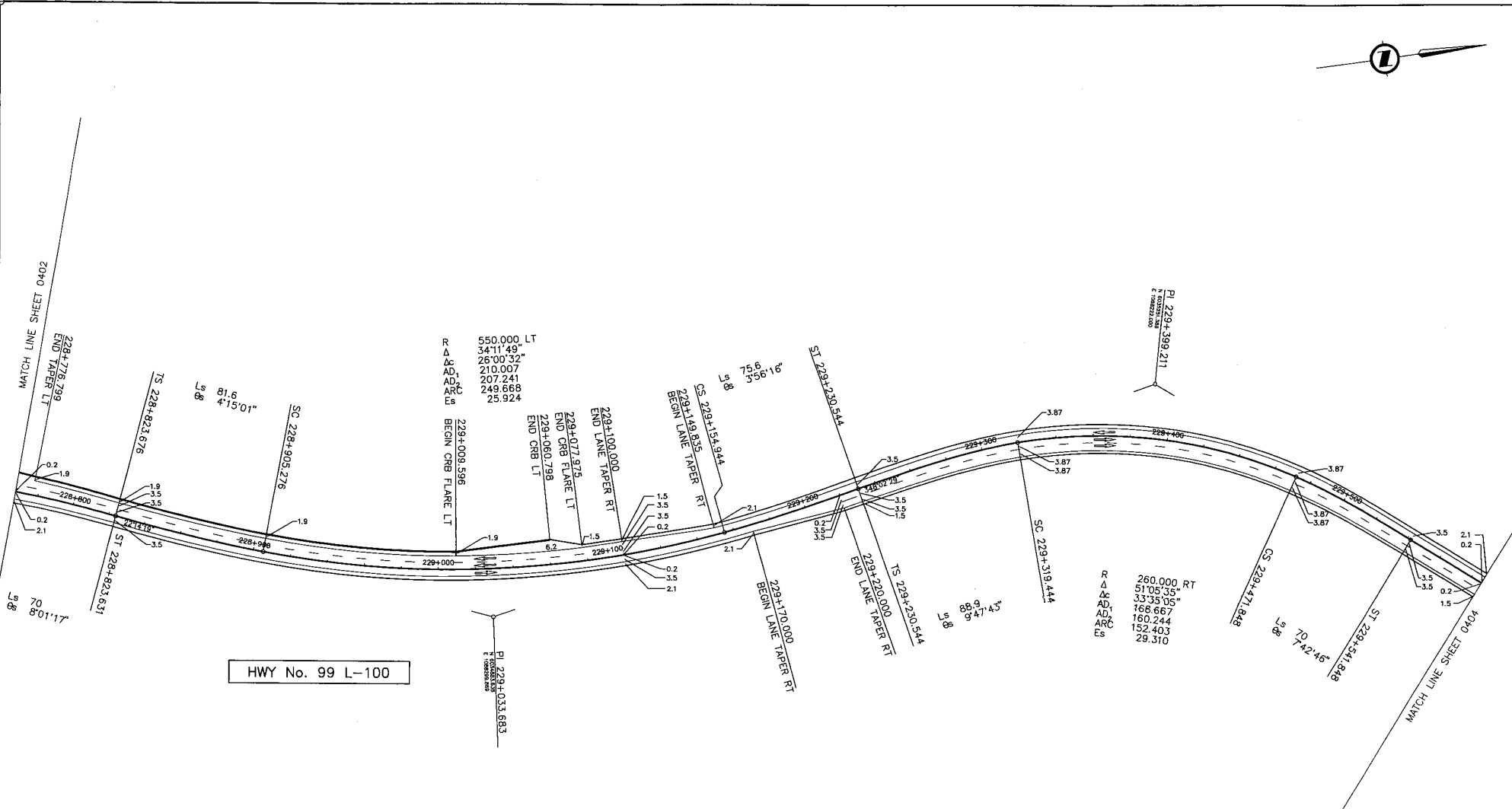
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LAINING

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 227+967.992 TO STA 228+767.550

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 29, 2004

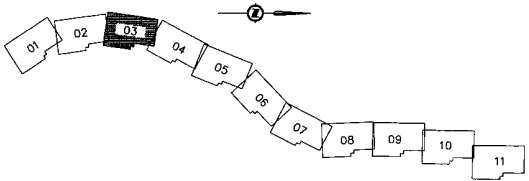
FILE No.: 214753-EN10-U
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB12-0402 PD



HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DRAWING KEY

SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JA/RS/ARG/BB DATE 04/21/28
CHECKED M/M DATE 04/21/28
DRAWN RS/ARG/AA DATE 04/21/28
APPROVED M/M DATE 04/21/28

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 228+767.550 TO STA 229+586.384

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Rev	Date	Description	Signature
A	04/10/28	ISSUED FOR REVIEW	
B	04/11/28	ISSUED FOR INFORMATION	
C	04/11/28	ALIGNMENT CHANGES	
D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

FILE No. 214753-EN10-U PROJECT No. 08901-ST33 REGION 1 DRAWING No. 4100-DB12-0403

PREPARED UNDER THE DIRECTION OF: M. MOTT, SENIOR DESIGN ENGINEER, DATE NOV 23, 2024

REFERENCE DRAWINGS REVISIONS

CURVE DATA	
①	②
R	25.00
Δ	90°00'00"
ARC	39.27
R	25.00
Δ	39.26
ARC	89°58'04"

R 400.000 LT
 Δ 20°35'48"
 AC 10°34'11"
 AD 107.764
 ARC 73.792
 Es 7.068

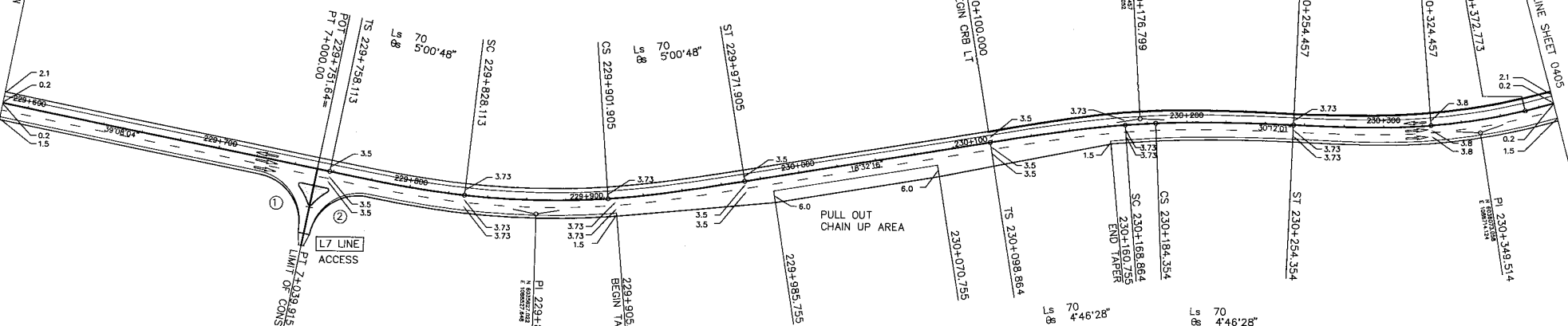
R 420.000 RT
 Δ 11°39'44"
 AC 2°08'47"
 AD 77.935
 ARC 15.491
 Es 2.673

R 300.000 LT
 Δ 22°35'48"
 AC 9°17'39"
 AD 95.057
 ARC 48.316
 Es 6.623

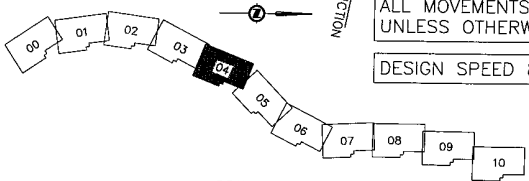
HWY No. 99 L-100

MATCH LINE SHEET 0403

MATCH LINE SHEET 0405



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED
 DESIGN SPEED 80km/h



DRAWING KEY

SRS
 S2S TRANSPORTATION GROUP

DESIGNED: J.A./P.C./A.R.S./J.P. DATE: 05/21/28
 CHECKED: J.A.M. DATE: 05/21/28
 DRAWN: B.S./A.M./R.A. DATE: 05/21/28
 APPROVED: J.A.M. DATE: 05/21/28

SCALE: 0 1:1000

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 229+586.384 TO STA 230+387.490

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 M. WERTZ
 SENIOR PROJECT ENGINEER

DATE: NOV 25, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST33 REGION 1 DRAWING No. 410D-DB12-0404

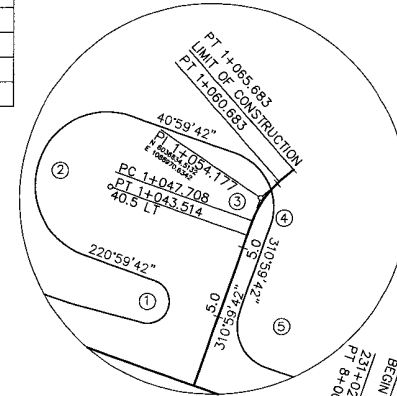
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/28	ISSUED FOR REVIEW	
		B	04/11/28	ISSUED FOR INFORMATION	
		C	04/11/28	ALIGNMENT CHANGES	
		D	05/01/28	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

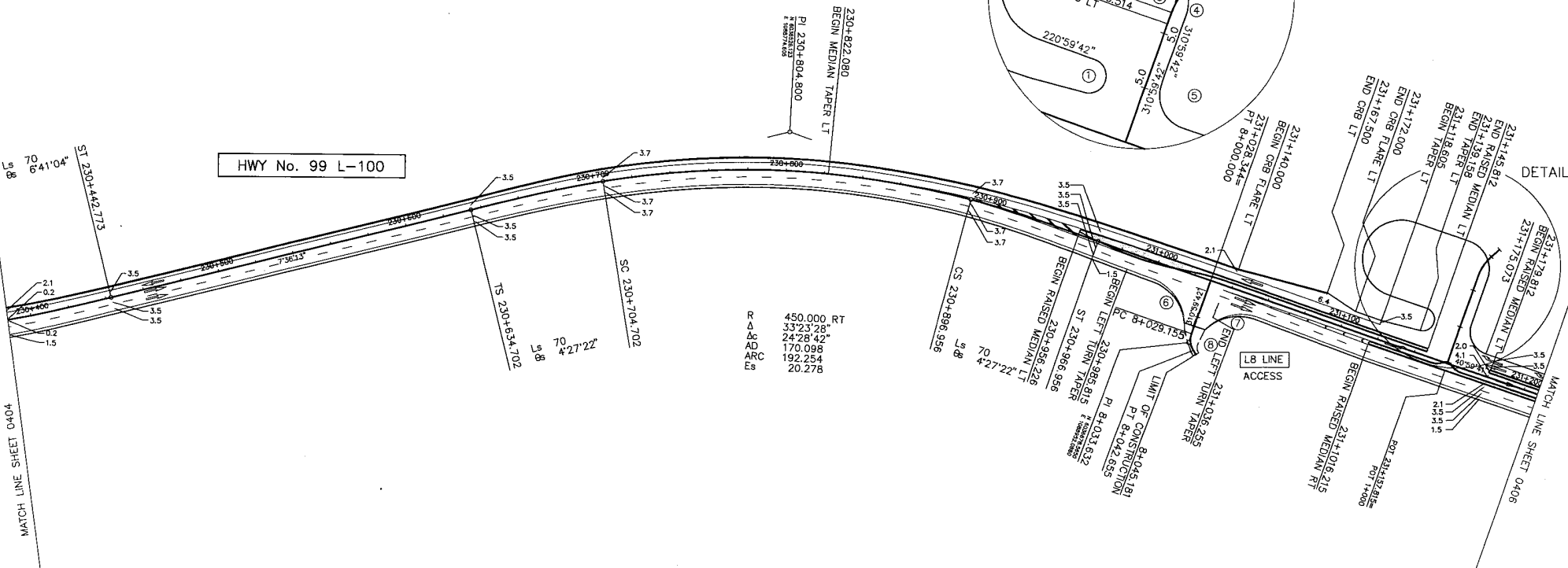
REVISIONS

CURVE DATA							
①	②	③	④	⑤	⑥	⑦	⑧
R 9.00	R 30.00	R 23.25	R 37.50	R 18.00	R 25.00	R 25.00	R 10.00
Δ 175°10'26"	Δ 180°00'00"	Δ 90°00'00"	Δ 29°44'10"	Δ 90°00'00"	Δ 64°28'40"	Δ 63°59'15"	Δ 26°02'54"
ARC 27.52	ARC 94.25	ARC 36.52	ARC 9.46	ARC 28.27	ARC 28.13	ARC 27.92	ARC 4.55

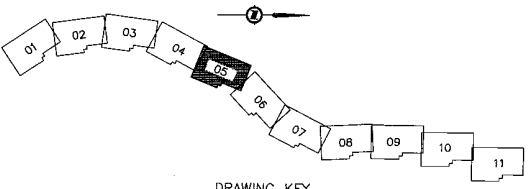
DETAIL
SCALE 1:750



LI LINE
TURN AROUND & CHAIN UP AREA



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED
DESIGN SPEED 80km/h



DRAWING KEY

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/26	ISSUED FOR REVIEW	
B	04/11/26	ISSUED FOR INFORMATION	
C	04/11/26	ALIGNMENT CHANGES	
D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

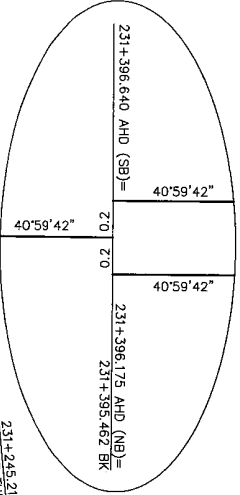
DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 230+387.490 TO STA 231+207.531

Project Manager: Hatch Mott MacDonald
Design Consultant: uma

PREPARED UNDER THE DIRECTION OF
M. MEYER
SENIOR DESIGN ENGINEER
DATE: NOV 29, 2004

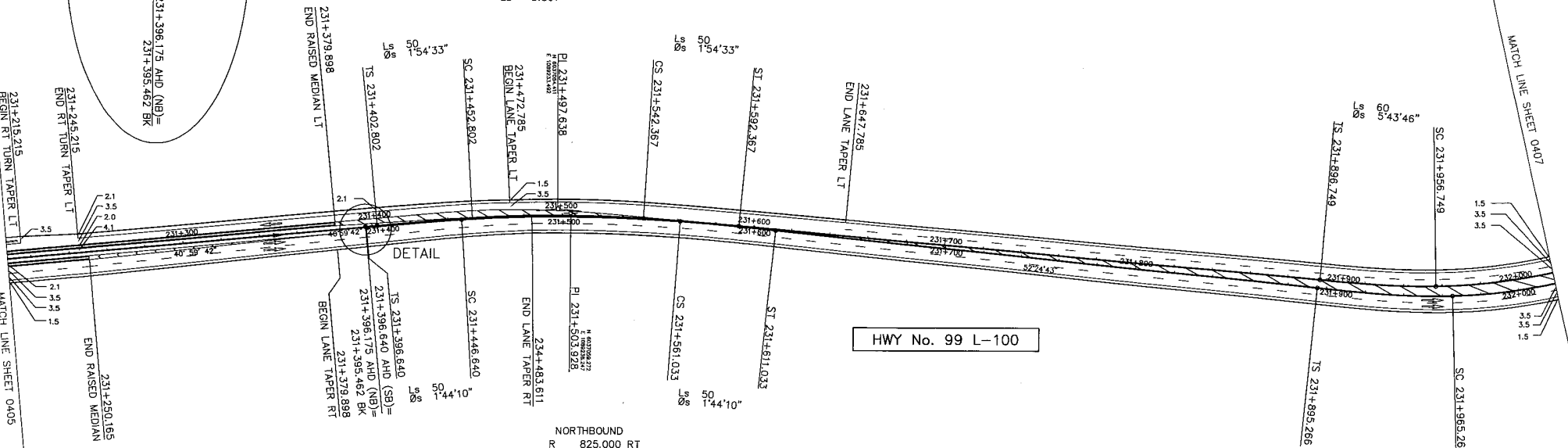
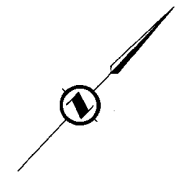
FILE No. 214753-EN10-U
PROJECT No. 08901-ST53
REGION 1
DRAWING No. 4100-0812-0405

DETAIL
N.T.S



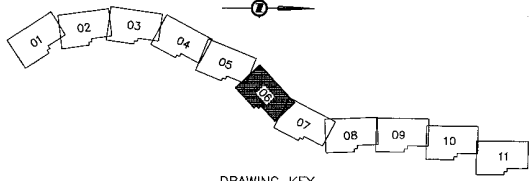
SOUTHBOUND
R 750.200 RT
Δ 10'39'32"
Δs 6'50'25"
AD 94.997
E 89.565
Es 397

NORTHBOUND
R 825.000 RT
Δ 11'25'01"
Δs 7'56'40"
AD 107.482
ARC 114.393
Es 4.239



HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED
DESIGN SPEED 80km/h



DRAWING KEY

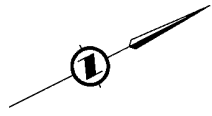
DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	24/10/26	ISSUED FOR REVIEW	
B	24/11/26	ISSUED FOR INFORMATION	
C	24/11/26	ALIGNMENT CHANGES	
D	25/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

 S2S TRANSPORTATION GROUP		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 231+207.531 TO STA 232+018.420 (SB) STA 231+207.531 TO STA 232+019.513 (NB)			
Project Managers Hatch Mott MacDonald		Design Consultant UMA	
PREPARED UNDER THE DIRECTION OF M. MEYER SENIOR DESIGN ENGINEER		DRAWING No. DATE NOV 28, 2004	
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REGION 1	DRAWING No. 41DD-DB12-0406 (PD)

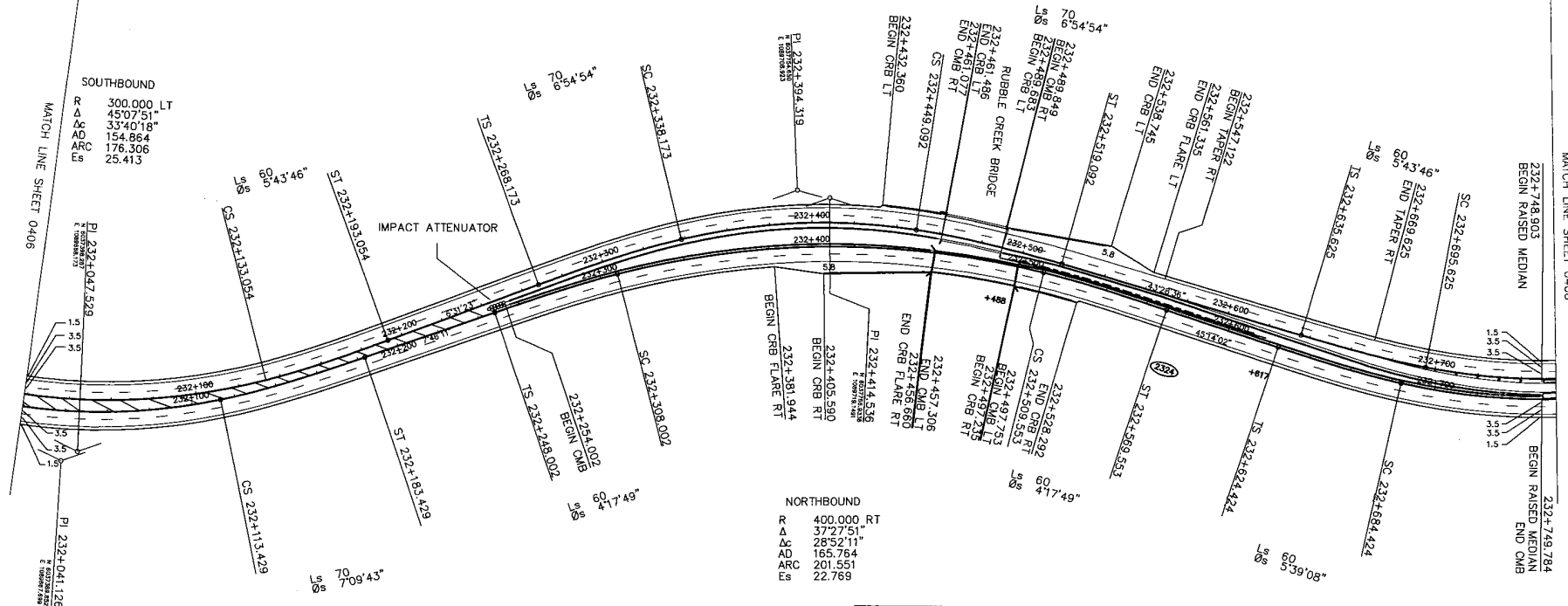


SOUTHBOUND
 R 298.000 RT
 Δ 35°44'40"
 Δc 21°54'52"
 AD 128.722
 ARC 110.919
 Es 15.443

SOUTHBOUND
 R 300.000 LT
 Δ 45°07'51"
 Δc 33°40'18"
 AD 154.864
 ARC 176.306
 Es 25.413

MATCH LINE SHEET 0405

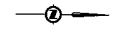
MATCH LINE SHEET 0408



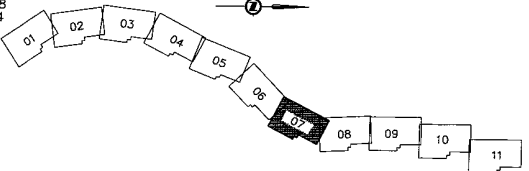
NORTHBOUND
 R 400.000 RT
 Δ 37°27'51"
 Δc 28°52'11"
 AD 165.764
 ARC 201.551
 Es 22.769

HWY No. 99 L-100

NORTHBOUND
 R 280.000 LT
 Δ 44°38'32"
 Δc 30°19'06"
 AD 150.238
 ARC 148.164
 Es 23.468



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED
 DESIGN SPEED 80km/h



DRAWING KEY

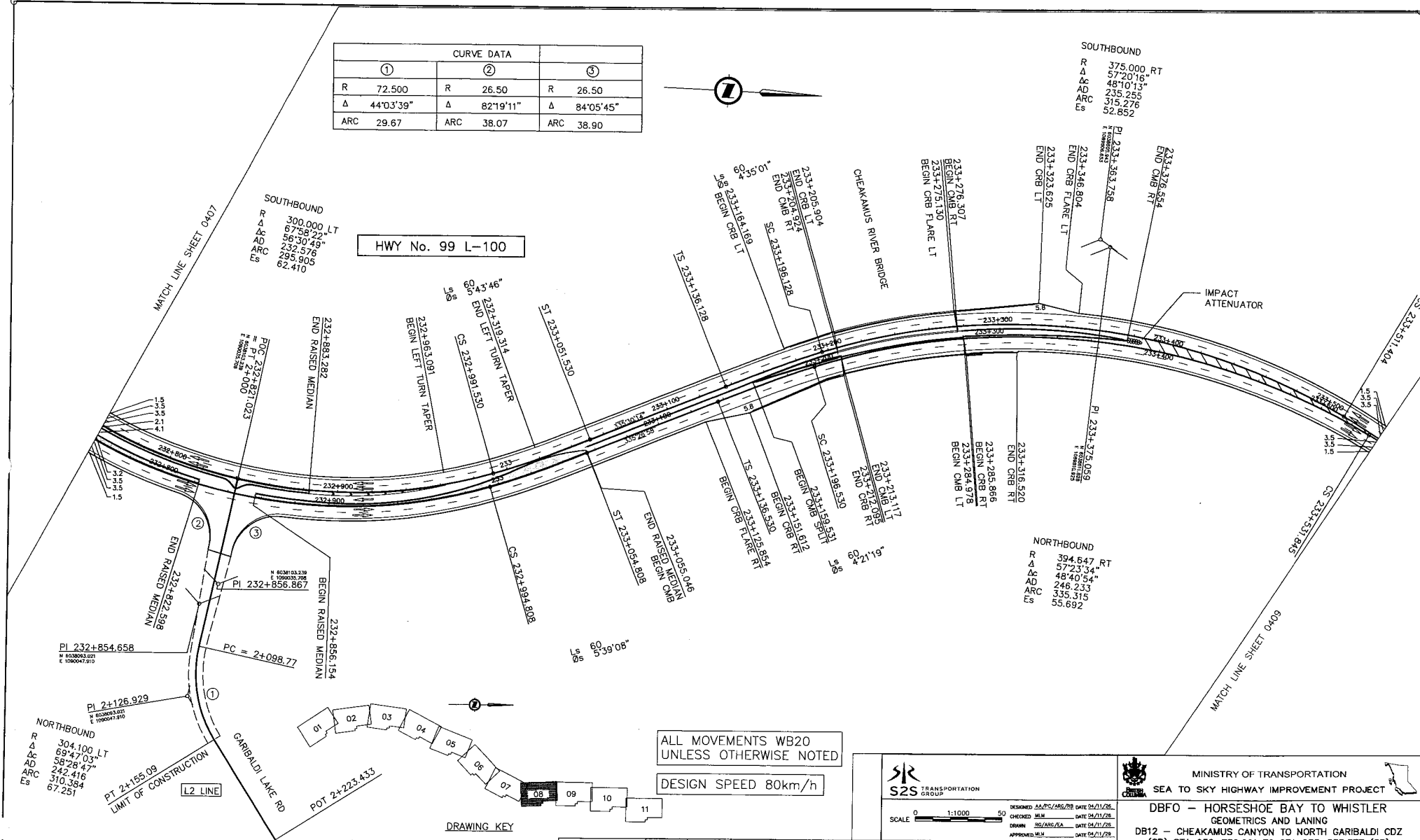
DESIGNED: J.A./C.S./A.R.S./S.B. DATE: 05/21/26 CHECKED: M.M. DATE: 05/21/26 DRAWN: B.G./A.R.S./E.A. DATE: 05/21/26 APPROVED: M.M. DATE: 05/21/26		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ (SB) STA 232+018.420 TO STA 232+756.201 (SB) (NB) STA 232+019.513 TO STA 232+756.621 (NB)																																							
<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>04/10/26</td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td>B</td> <td>04/11/26</td> <td>ISSUED FOR INFORMATION</td> <td></td> </tr> <tr> <td>C</td> <td>04/11/26</td> <td>ALIGNMENT CHANGES</td> <td></td> </tr> <tr> <td>D</td> <td>05/01/26</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		Rev	Date	Description	Signature	A	04/10/26	ISSUED FOR REVIEW		B	04/11/26	ISSUED FOR INFORMATION		C	04/11/26	ALIGNMENT CHANGES		D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION		<table border="1"> <tr> <td>Project Manager</td> <td>Design Consultant</td> <td>PREPARED UNDER THE DIRECTION OF</td> </tr> <tr> <td></td> <td></td> <td>M. MERTZ</td> </tr> <tr> <td></td> <td></td> <td>SENIOR DESIGN ENGINEER</td> </tr> <tr> <td>FILE No.</td> <td>PROJECT No.</td> <td>DATE NOV 25, 2024</td> </tr> <tr> <td>214753-EN10-U</td> <td>09901-ST3S</td> <td>DRAWING No.</td> </tr> <tr> <td></td> <td></td> <td>1</td> </tr> </table>		Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF			M. MERTZ			SENIOR DESIGN ENGINEER	FILE No.	PROJECT No.	DATE NOV 25, 2024	214753-EN10-U	09901-ST3S	DRAWING No.			1
Rev	Date	Description	Signature																																						
A	04/10/26	ISSUED FOR REVIEW																																							
B	04/11/26	ISSUED FOR INFORMATION																																							
C	04/11/26	ALIGNMENT CHANGES																																							
D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION																																							
Project Manager	Design Consultant	PREPARED UNDER THE DIRECTION OF																																							
		M. MERTZ																																							
		SENIOR DESIGN ENGINEER																																							
FILE No.	PROJECT No.	DATE NOV 25, 2024																																							
214753-EN10-U	09901-ST3S	DRAWING No.																																							
		1																																							
REFERENCE DRAWINGS		REVISIONS																																							

2025 05 25 10:00 AM

CURVE DATA		
①	②	③
R 72.500	R 26.50	R 26.50
Δ 44°03'39"	Δ 82°19'11"	Δ 84°05'45"
ARC 29.67	ARC 38.07	ARC 38.90



HWY No. 99 L-100



SOUTHBOUND
 R 375.000 RT
 Δ 57°20'16"
 AD 48°10'13"
 ARC 235.255
 Es 315.276
 52.652

SOUTHBOUND
 R 300.000 LT
 Δ 67°58'22"
 AD 56°30'49"
 ARC 232.576
 Es 295.905
 62.410

NORTHBOUND
 R 394.647 RT
 Δ 57°23'34"
 AD 48°40'54"
 ARC 246.233
 Es 335.315
 55.692

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

SRS
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A./P.C./A.S./B.B. DATE 05/11/2010
 CHECKED: M.M. DATE 05/11/2010
 DRAWN: S.S./A.S./A.A. DATE 05/11/2010
 APPROVED: M.M. DATE 05/11/2010

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 (SB) STA 232+756.201 TO STA 233+535.377 (SB)
 (NB) STA 232+756.621 TO STA 233+537.593 (NB)

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 M. WORTZ
 SENIOR DESIGN ENGINEER

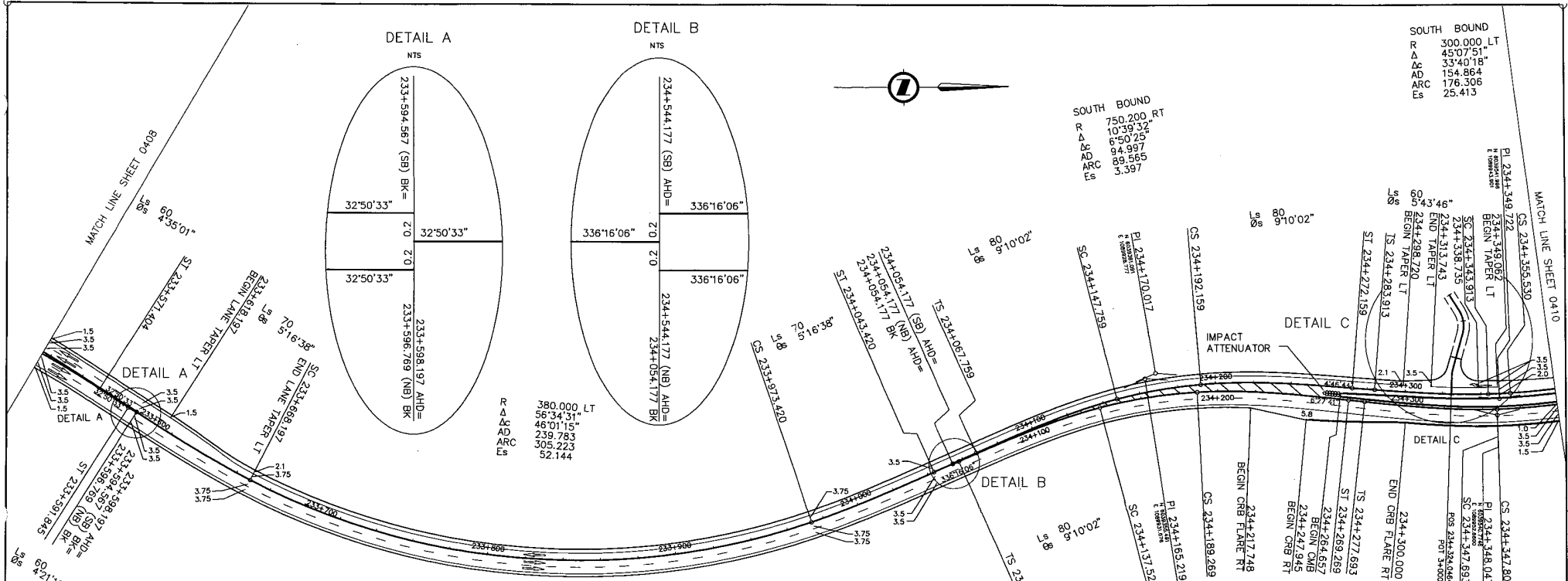
FILE No. 214753-EN10-U PROJECT No. 09901-ST3 REGION 1 DATE NOV 29, 2010 DRAWING No. 41DD-DB12-0408

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW	1	04/10/20		
B	ISSUED FOR INFORMATION	1	04/11/20		
C	ALIGNMENT CHANGES	1	04/11/20		
D	ISSUED FOR PROPOSAL SUBMISSION	1	05/01/10		

REFERENCE DRAWINGS

REVISIONS

DATE PLOTTED: 11/29/2010



SOUTH BOUND
 R 300.000, LT
 Δ 45°07'51"
 Δc 33°40'18"
 AD 154.864
 AD ARC 176.306
 Es 25.413

SOUTH BOUND
 R 750.200, RT
 Δ 10°39'32"
 Δc 6°50'25"
 AD 94.987
 AD ARC 89.585
 Es 3.397

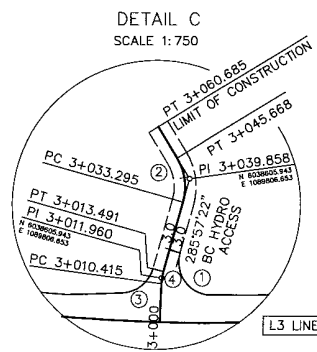
NORTH BOUND
 R 250.000, RT
 Δ 30°11'35"
 Δc 11°51'30"
 AD 107.692
 AD ARC 51.742
 Es 10.040

NORTH BOUND
 R 260.000, RT
 Δ 15°26'58"
 Δc 0°01'26"
 AD 70.353
 AD ARC 0.108
 Es 3.173

R 380.000, LT
 Δ 56°34'31"
 Δc 46°01'15"
 AD 239.783
 AD ARC 305.223
 Es 52.144

HWY No. 99 L-100

CURVE DATA			
①	②	③	④
R 13.50	R 22.50	R 13.5	R 19.50
Δ 106°50'25"	Δ 47°15'39"	Δ 72°41'18"	Δ 13°33'27"
ARC 25.00	ARC 18.56	ARC 17.13	ARC 4.61



ALL MOVEMENTS WB20 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

SRS
S2S
TRANSPORTATION GROUP

DESIGNED: J.A./S./A.R.G./S.E. DATE 04/21/26
 CHECKED: M.M. DATE 04/21/26
 DRAWN: S.S./A.R.S./S.A. DATE 04/21/26
 APPROVED: M.M. DATE 04/21/26

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

**DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANNING**

DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
(SB) STA 233+535.377 TO STA 234+379.297 (SB)
(NB) STA 233+537.593 TO STA 234+379.543 (NB)

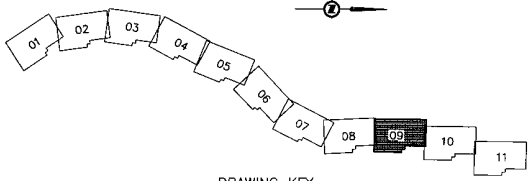
PREPARED UNDER THE DIRECTION OF

Hatch Mott MacDonald
PROJECT No. 214753-EN10-U
214753-EN10-U

uma
PROJECT No. 09801-ST53
09801-ST53

DATE NOV 29, 2004
DRAWING No. 1
410D-DB12-0409

Rev	Date	Description	Signature
A	04/10/26	ISSUED FOR REVIEW	
B	04/11/26	ISSUED FOR INFORMATION	
C	04/11/26	ALIGNMENT CHANGES	
D	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	



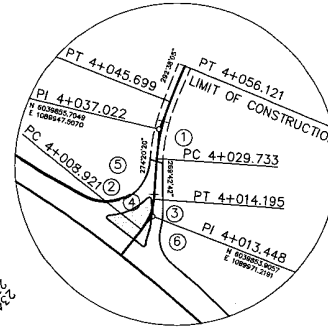
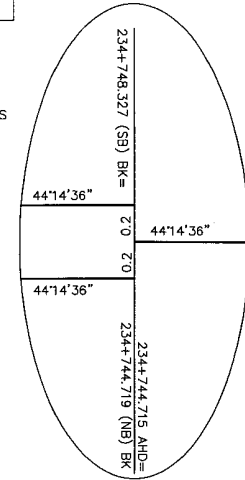
DRAWING KEY



SOUTH BOUND
 R 290,000
 Δ 35°44'40"
 Δ 21°54'52"
 Δ 128.722
 Δ 110.919
 Δ 15.443

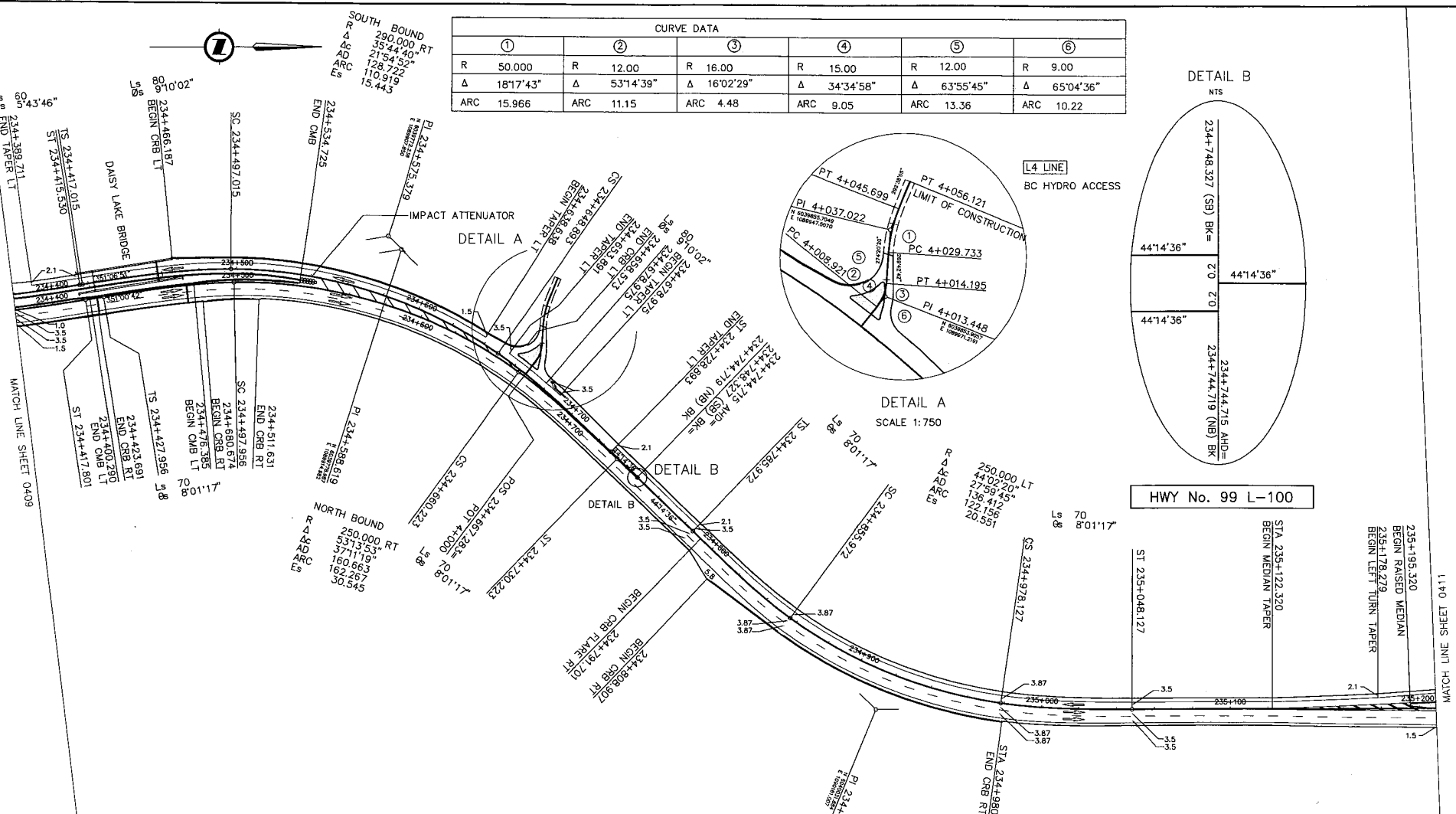
CURVE DATA						
①	②	③	④	⑤	⑥	
R 50.000	R 12.00	R 16.00	R 15.00	R 12.00	R 9.00	
Δ 18°17'43"	Δ 53°14'39"	Δ 16°02'29"	Δ 34°34'58"	Δ 63°55'45"	Δ 65°04'36"	
ARC 15.966	ARC 11.15	ARC 4.48	ARC 9.05	ARC 13.36	ARC 10.22	

DETAIL B
 NTS



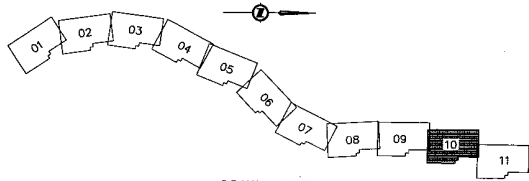
DETAIL A
 SCALE 1:750

HWY No. 99 L-100



NORTH BOUND
 R 250,000
 Δ 44°02'20"
 Δ 27°59'45"
 Δ 136.412
 Δ 122.156
 Δ 20.545

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED
 DESIGN SPEED 80km/h



DRAWING KEY

DESIGNED JAJ/CS/ARS/BS DATE 05/21/26 CHECKED MJM DATE 05/21/26 DRAWN RS/AR/ZA DATE 05/21/26 APPROVED MJM DATE 05/21/26		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ (SB) STA 234+379.297 TO STA 235+208.813 (SB) (NB) STA 234+379.543 TO STA 235+208.813 (NB)	
Project Manager 	Design Consultant 	PREPARED UNDER THE DIRECTION OF M. MERTZ SENIOR DESIGN ENGINEER DATE NOV 29, 2006 DRAWING No.	
FILE No. 214753-EN10-U	PROJECT No. 09901-ST33	REGION 1	DRAWING No. 41DD-DB12-0410

REFERENCE DRAWINGS

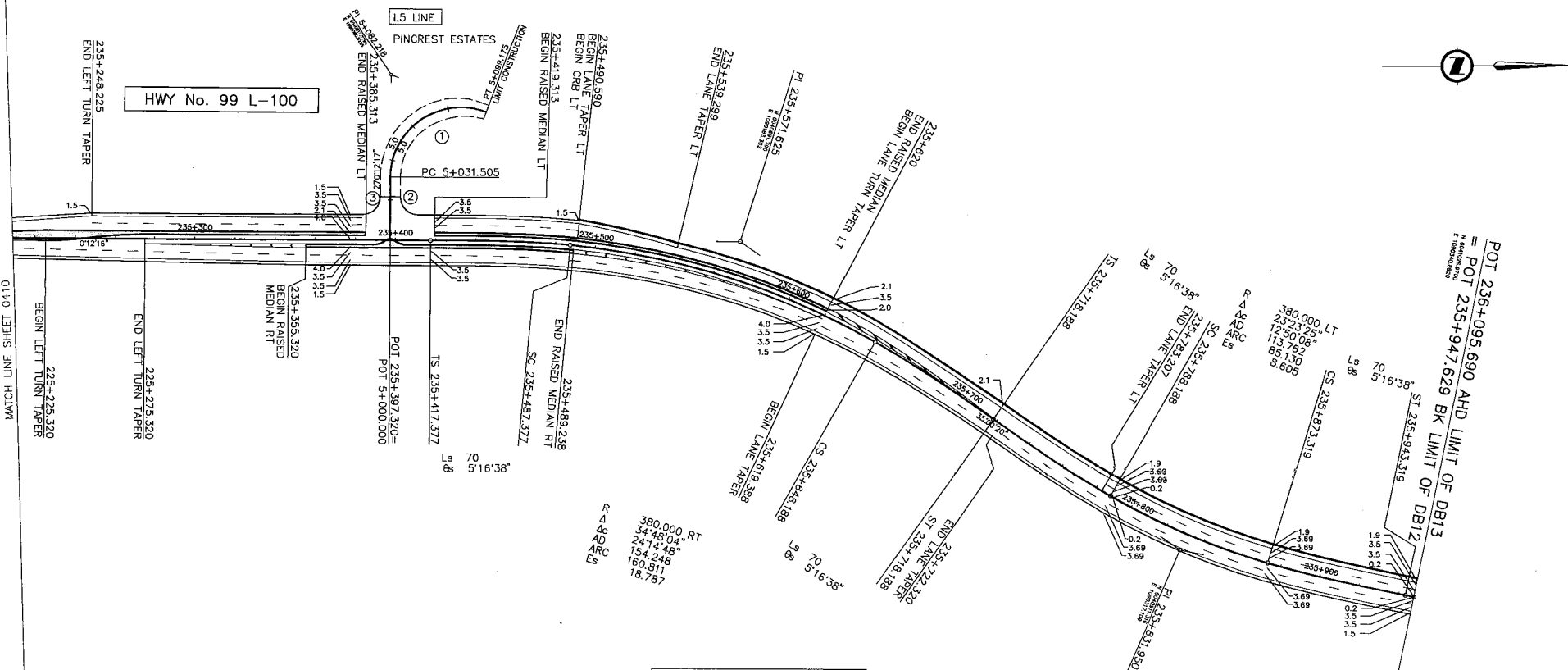
REVISIONS

Rev	Date	Description	Signature
A	04/10/26	ISSUED FOR REVIEW	
B	04/11/26	ISSUED FOR INFORMATION	
C	04/11/26	ALIGNMENT CHANGES	
D	05/01/26	ISSUED FOR PROPOSAL SUBMISSION	

MATCH LINE SHEET 0A09

MATCH LINE SHEET 0A09

CURVE DATA					
①	②	③			
R	35,000	R	9,000	R	9,000
Δ	110°46'33"	Δ	276°37'11"	Δ	90°06'34"
ARC	67.669	ARC	13.891	ARC	14.15

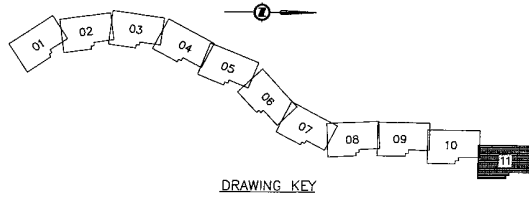


DRAWING SHEET 0410

380,000 RT
 34°48'04"
 24°14'48"
 154.248
 160.811
 18.787

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DRAWING KEY

	DESIGNED: AA/PC/ARG/RSB DATE 04/11/25 CHECKED: MEM DATE 04/13/25 DRAWN: JSE/MSD/EA DATE 04/11/25 APPROVED: MSL DATE 04/13/25		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING DB12 - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 235+208.813 TO STA 235+948.000
	SCALE 0 1:1000 50	PROJECT MANAGER 	
FILE No. 214753-EN10-U		PROJECT No. 09901-ST53	REGION 1
DRAWING No. 41DD-DB12-0411		1	

Rev	Date	Description	Signature
A	04/10/25	ISSUED FOR REVIEW	
B	04/11/25	ISSUED FOR INFORMATION	
C	04/11/25	ALIGNMENT CHANGES	
D	05/01/25	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

DRAWING INDEX

41DD-DB13-0001	PD	KEY PLAN, LOCATION PLAN AND INDEX	
41DD-DB13-0002	PC	SUPPLEMENTARY LEGEND	
41DD-DB13-0101	PC	PLAN	STA 236+095.690 TO STA 236+400.000
41DD-DB13-0102	PC	PLAN	STA 237+000.000 TO STA 237+601.435
41DD-DB13-0103	PC	PLAN	STA 237+601.435 TO STA 238+202.828
41DD-DB13-0104	PC	PLAN	STA 238+202.828 TO STA 238+804.710
41DD-DB13-0105	PC	PLAN	STA 238+804.710 TO STA 239+407.014
41DD-DB13-0106	PC	PLAN	STA 239+407.014 TO STA 240+008.460
41DD-DB13-0107	PC	PLAN	STA 240+008.460 TO STA 240+608.576
41DD-DB13-0108	PC	PLAN	STA 240+608.576 TO STA 241+208.587
41DD-DB13-0109	PC	PLAN	STA 241+208.587 TO STA 241+809.822
41DD-DB13-0110	PC	PLAN	STA 241+809.822 TO STA 242+409.357
41DD-DB13-0111	PC	PLAN	STA 242+409.357 TO STA 243+009.357
41DD-DB13-0112	PC	PLAN	STA 243+009.357 TO STA 243+609.983
41DD-DB13-0113	PC	PLAN	STA 243+609.983 TO STA 244+210.256
41DD-DB13-0114	PC	PLAN	STA 244+210.256 (NB) TO STA 244+810.642 (NB)
41DD-DB13-0115	PC	PLAN	STA 244+810.642 (NB) TO STA 245+410.617 (NB)
41DD-DB13-0116	PC	PLAN	STA 245+410.617 (NB) TO STA 246+010.653 (NB)
41DD-DB13-0117	PC	PLAN	STA 246+010.653 (NB) TO STA 246+612.191
41DD-DB13-0118	PC	PLAN	STA 246+612.191 TO STA 247+214.079
41DD-DB13-0119	PC	PLAN	STA 247+214.079 TO STA 247+814.293
41DD-DB13-0120	PC	PLAN	STA 247+814.293 TO STA 248+419.017
41DD-DB13-0121	PC	PLAN	STA 248+419.017 TO STA 249+021.885
41DD-DB13-0122	PC	PLAN	STA 249+021.885 TO STA 249+743.996
41DD-DB13-0123	PC	PLAN	STA 249+743.996 TO STA 250+283.112
41DD-DB13-0201	PC	PROFILE	STA 236+095.690 TO STA 237+500.000
41DD-DB13-0202	PC	PROFILE	STA 237+500.000 TO STA 238+700.000
41DD-DB13-0203	PC	PROFILE	STA 238+700.000 TO STA 239+900.000
41DD-DB13-0204	PC	PROFILE	STA 239+900.000 TO STA 241+100.000
41DD-DB13-0205	PC	PROFILE	STA 241+100.000 TO STA 242+300.000
41DD-DB13-0206	PC	PROFILE	STA 242+300.000 TO STA 243+500.000
41DD-DB13-0207	PC	PROFILE	STA 243+500.000 (NB) TO STA 244+700.000 (NB)
41DD-DB13-0208	PC	PROFILE	STA 244+700.000 (NB) TO STA 245+900.000 (NB)
41DD-DB13-0209	PC	PROFILE	STA 245+900.000 (NB) TO STA 247+100.000
41DD-DB13-0210	PC	PROFILE	STA 247+100.000 TO STA 248+300.000
41DD-DB13-0211	PC	PROFILE	STA 248+300.000 TO STA 249+500.000
41DD-DB13-0212	PC	PROFILE	STA 249+500.000 TO STA 249+743.996
41DD-DB13-0213	PC	PROFILE	STA 249+743.996 TO STA 250+283.112
41DD-DB13-0301	PC	TYPICAL SECTIONS	
41DD-DB13-0302	PC	TYPICAL SECTIONS	
41DD-DB13-0401	PC	GEOMETRICS AND LANING	STA 236+095.690 TO STA 236+400.000
41DD-DB13-0402	PC	GEOMETRICS AND LANING	STA 236+400.000 TO STA 237+000.000
41DD-DB13-0403	PC	GEOMETRICS AND LANING	STA 237+000.000 TO STA 237+601.435
41DD-DB13-0404	PC	GEOMETRICS AND LANING	STA 237+601.435 TO STA 238+202.828
41DD-DB13-0405	PC	GEOMETRICS AND LANING	STA 238+202.828 TO STA 238+804.710
41DD-DB13-0406	PC	GEOMETRICS AND LANING	STA 238+804.710 TO STA 239+407.014
41DD-DB13-0407	PC	GEOMETRICS AND LANING	STA 239+407.014 TO STA 240+008.460
41DD-DB13-0408	PC	GEOMETRICS AND LANING	STA 240+008.460 TO STA 240+608.576
41DD-DB13-0409	PC	GEOMETRICS AND LANING	STA 240+608.576 TO STA 241+208.587
41DD-DB13-0410	PC	GEOMETRICS AND LANING	STA 241+208.587 TO STA 241+809.822
41DD-DB13-0411	PC	GEOMETRICS AND LANING	STA 241+809.822 TO STA 242+409.357
41DD-DB13-0412	PC	GEOMETRICS AND LANING	STA 242+409.357 TO STA 243+009.357
41DD-DB13-0413	PC	GEOMETRICS AND LANING	STA 243+009.357 TO STA 243+609.983
41DD-DB13-0414	PC	GEOMETRICS AND LANING	STA 243+609.983 TO STA 244+210.256
41DD-DB13-0415	PC	GEOMETRICS AND LANING	STA 244+210.256 (NB) TO STA 244+810.642 (NB)
41DD-DB13-0416	PC	GEOMETRICS AND LANING	STA 244+810.642 (NB) TO STA 245+410.617 (NB)
41DD-DB13-0417	PC	GEOMETRICS AND LANING	STA 245+410.617 (NB) TO STA 246+010.653 (NB)
41DD-DB13-0418	PC	GEOMETRICS AND LANING	STA 246+010.653 (NB) TO STA 246+612.191
41DD-DB13-0419	PC	GEOMETRICS AND LANING	STA 246+612.191 TO STA 247+214.079
41DD-DB13-0420	PC	GEOMETRICS AND LANING	STA 247+214.079 TO STA 247+814.293
41DD-DB13-0421	PC	GEOMETRICS AND LANING	STA 247+814.293 TO STA 248+419.017
41DD-DB13-0422	PC	GEOMETRICS AND LANING	STA 248+419.017 TO STA 249+021.885
41DD-DB13-0423	PC	GEOMETRICS AND LANING	STA 249+021.885 TO STA 249+743.996
41DD-DB13-0424	PC	GEOMETRICS AND LANING	STA 249+743.996 TO STA 250+283.112



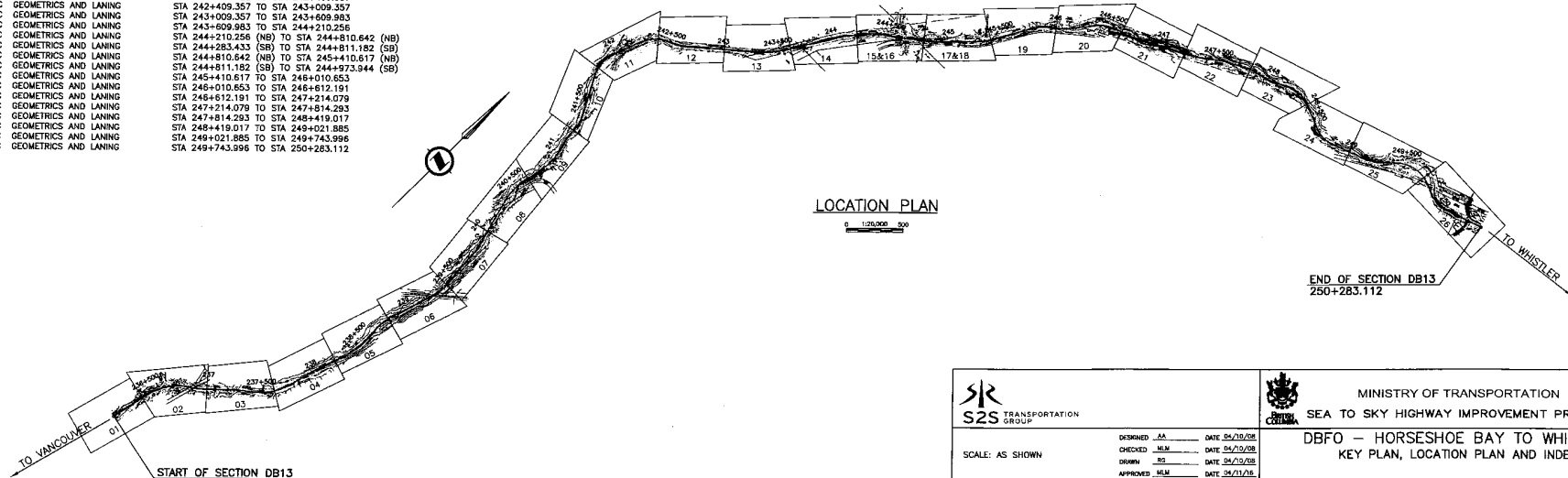
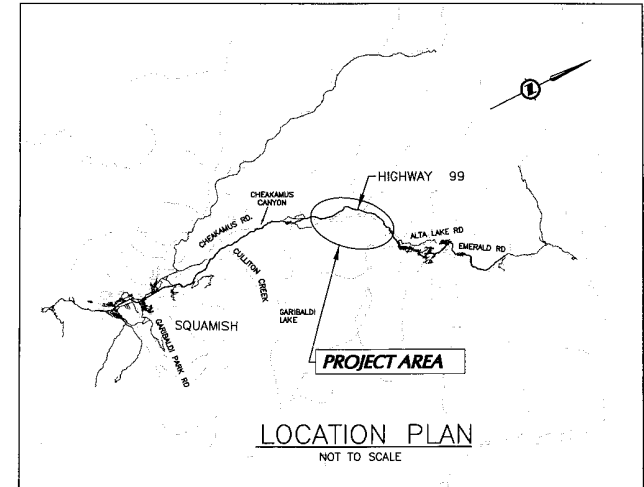
PROJECT No. 09901 TBC

Section DB13

DBFO - Horseshoe Bay to Whistler

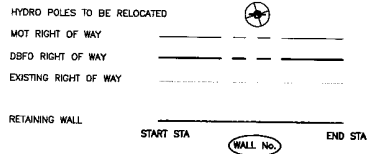
STA 236+095.690 TO STA 250+283.112

14.187 km



DESIGNED: JAA DATE: 05/10/08 CHECKED: MLM DATE: 05/10/08 DRAWN: RS DATE: 05/10/08 APPROVED: MLM DATE: 05/11/08		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER KEY PLAN, LOCATION PLAN AND INDEX DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 236+095.690 TO STA 250+283.112	
SCALE: AS SHOWN		Project Manager 	Design Consultant
PREPARED UNDER THE DIRECTION OF M. WESZT SENIOR DESIGN ENGINEER DATE: NOV 16 2004 DRAWING No.		FILE No. 214753-EN10-U	PROJECT No. 09901-ST53
REFERENCE DRAWINGS		REGION 1	DRAWING No. 41DD-DB13-0001 PD





SUPPLEMENTARY LEGEND

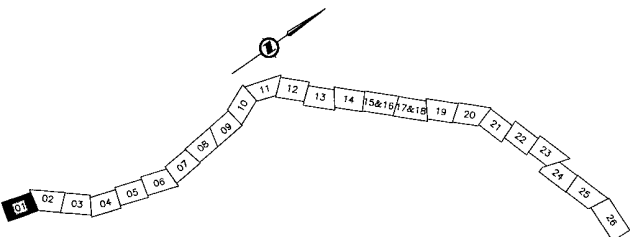
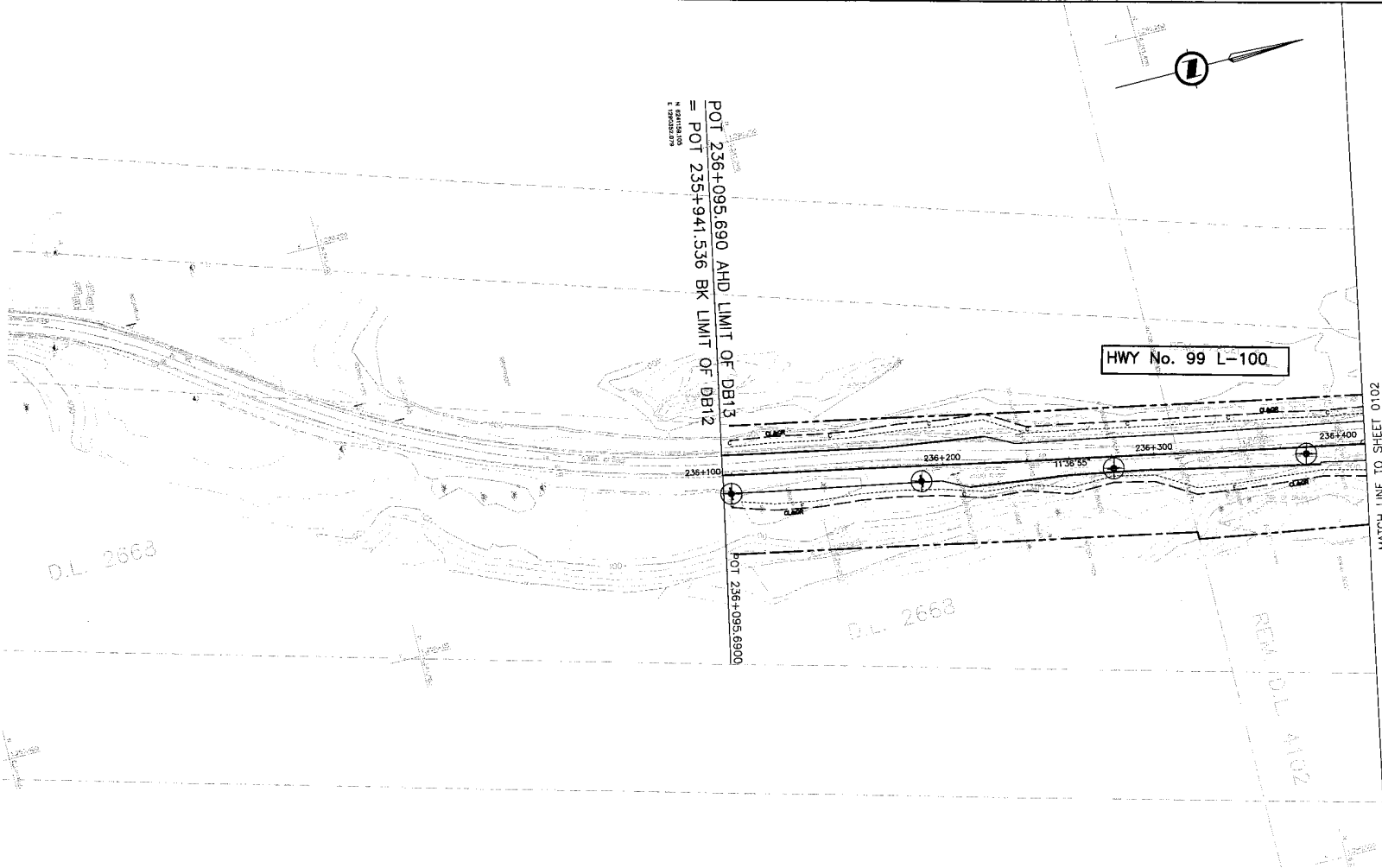


DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/21/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

 <p>DESIGNED <u>AA</u> DATE <u>05/18/08</u> CHECKED <u>MM</u> DATE <u>05/19/08</u> DRAWN <u>JS</u> DATE <u>05/20/08</u> APPROVED <u>MM</u> DATE <u>04/21/16</u></p> <p>SCALE: AS SHOWN</p>		<p>MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT</p> <p>DBFO – HORSESHOE BAY TO WHISTLER SUPPLEMENTARY LEGEND</p> <p>DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION</p>
<p>Project Managers</p> 	<p>Design Consultant</p> 	<p>PREPARED UNDER THE DIRECTION OF</p> <p>M. MERTZ SENIOR DESIGN ENGINEER</p> <p>DATE NOV 16 2004</p>
<p>FILE No.</p> <p>214753-EN10-U</p>	<p>PROJECT No.</p> <p>09901-TBC</p>	<p>REGION</p> <p>1</p> <p>DRAWING No.</p> <p>41DD-DB13-0002 PC</p>



DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/24	ISSUED FOR REVIEW	
B	04/11/24	ISSUED FOR INFORMATION	
C	05/01/24	ISSUED FOR PROPOSAL SUBMISSION	

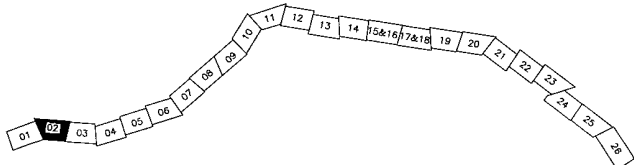
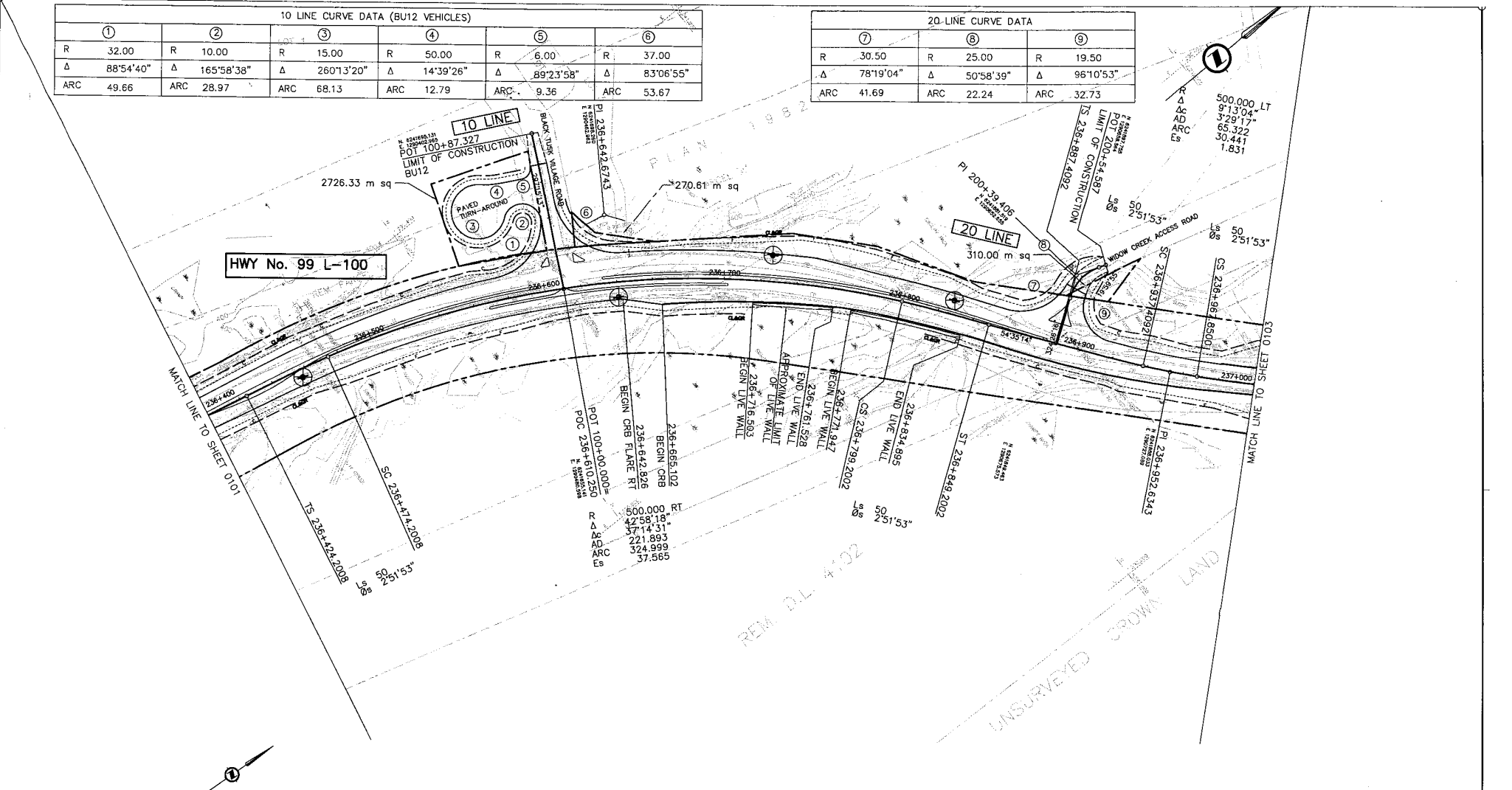
REVISIONS

	SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER PLAN		
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 236+095.690 TO STA 236+400		
		PREPARED UNDER THE DIRECTION OF M. HEWITT SENIOR DESIGN ENGINEER DATE NOV 16 2004
FILE No. 214753-EN10-U	PROJECT No. 09901-ST33	REGION 1
DRAWING No. 410D-DB13-0101		DATE

IMAGE COPY FILE NO.

10 LINE CURVE DATA (BU12 VEHICLES)					
①	②	③	④	⑤	⑥
R 32.00	R 10.00	R 15.00	R 50.00	R 6.00	R 37.00
Δ 88°54'40"	Δ 165°58'38"	Δ 260°13'20"	Δ 14°39'26"	Δ 89°23'58"	Δ 83°06'55"
ARC 49.66	ARC 28.97	ARC 68.13	ARC 12.79	ARC 9.36	ARC 53.67

20-LINE CURVE DATA		
⑦	⑧	⑨
R 30.50	R 25.00	R 19.50
Δ 78°19'04"	Δ 50°58'39"	Δ 96°10'53"
ARC 41.69	ARC 22.24	ARC 32.73



OWC No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/14	ISSUED FOR INFORMATION	
		C	05/01/14	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JM DATE 24/10/22
 CHECKED JEM DATE 24/10/22
 DRAWN IS DATE 24/10/22
 APPROVED JEM DATE 24/11/22

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PLAN

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 236+400 TO STA 237+000

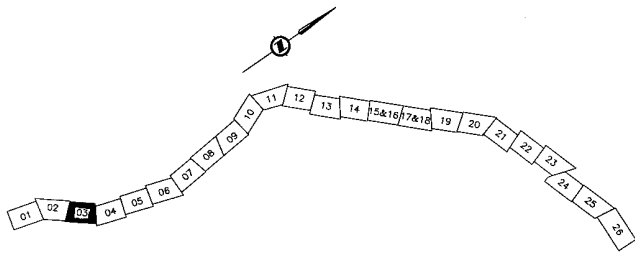
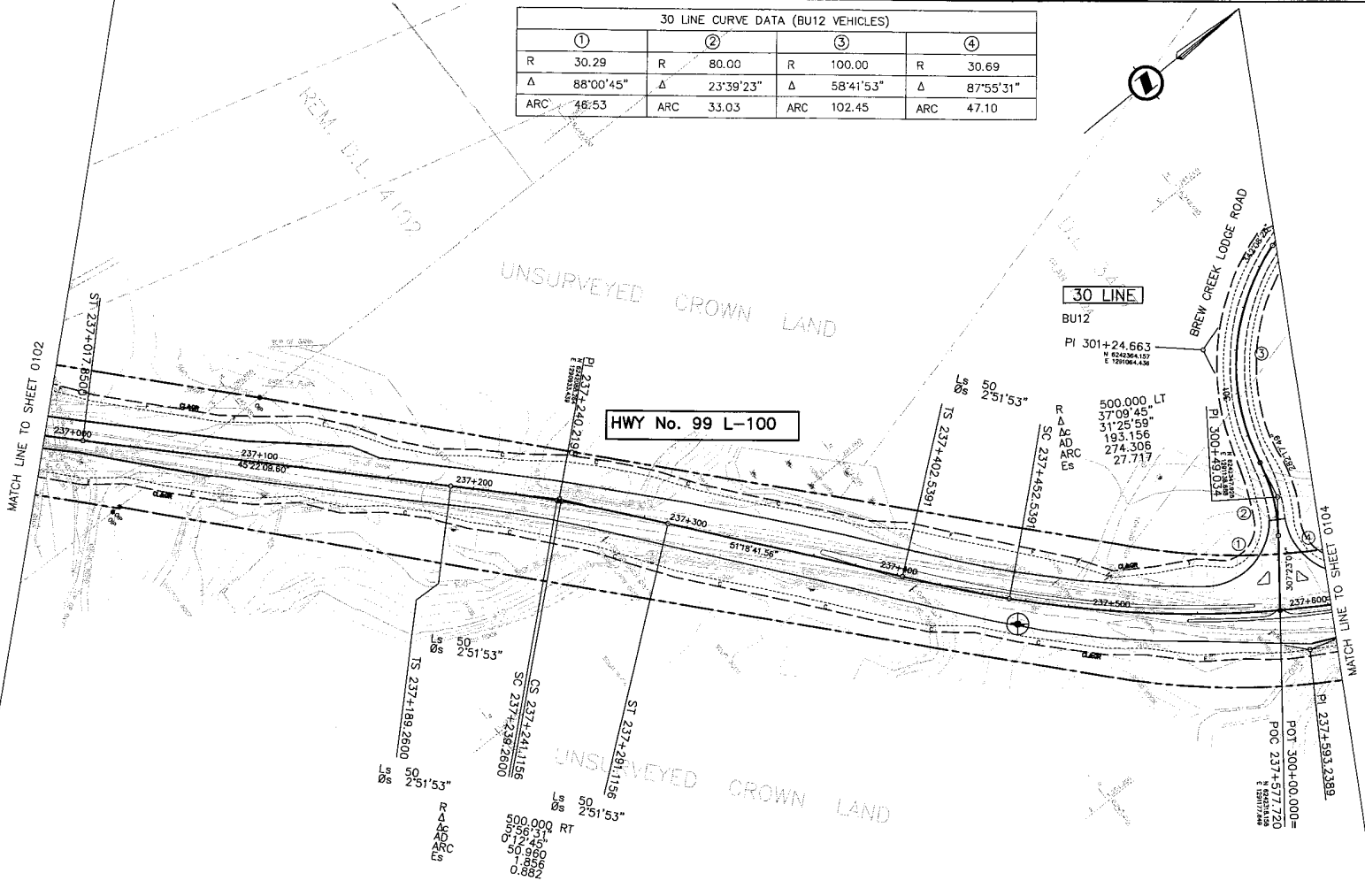
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 N. HERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 16 2024

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0102 [PC]

PLANNED DESIGN SERVICES INC. 1

30 LINE CURVE DATA (BU12 VEHICLES)			
①	②	③	④
R 30.29	R 80.00	R 100.00	R 30.69
Δ 88°00'45"	Δ 23°39'23"	Δ 58°41'53"	Δ 87°55'31"
ARC 46.53	ARC 33.03	ARC 102.45	ARC 47.10



	SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER PLAN		
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA. 237+000 TO STA 237+601.435		
DESIGNED: JA CHECKED: JLM DRAWN: JLM APPROVED: M.M.	DATE: 04/19/06 DATE: 04/19/06 DATE: 04/19/06 DATE: 04/11/06	PREPARED UNDER THE DIRECTION OF
PROJECT MANAGER:		DESIGN CONSULTANT:
FILE No. 214753-EN10-U		PROJECT No. 09901-ST33
REGION 1		DRAWING No. 410D-DB13-0103

DWG. No.	Description

Rev	Date	Description	Signature
A	04/10/06	ISSUED FOR REVIEW	
B	04/11/06	ISSUED FOR INFORMATION	
C	05/01/06	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

DRAWN BY: JLM

D.L. 3457
 N 89°40'21" E 1294.548
 E 129°40'21" W 1294.548
 POT 301+82.309
 LIMIT OF CONSTRUCTION

UNSURVEYED CROWN LAND

HWY No: 99 L-100

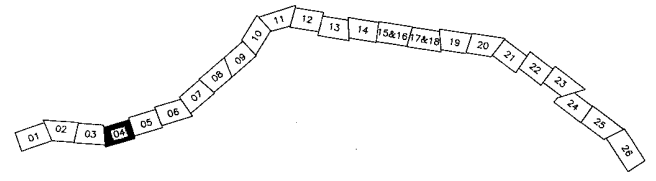
UNSURVEYED CROWN LAND

Ls 50 2'20'05" Ls 50 2'20'05"

R 600.000 RT
 A 4'40'10"
 Δc 0'00'00"
 AD 48.918
 ARC 3769.911
 Es 0.665

MATCH LINE TO SHEET 0103

MATCH LINE TO SHEET 0105



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED J.A. DATE 04/29/08
 CHECKED M.M. DATE 04/29/08
 DRAWN M.M. DATE 04/29/08
 APPROVED M.M. DATE 04/29/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA. 237+601.435 TO STA 238+202.828

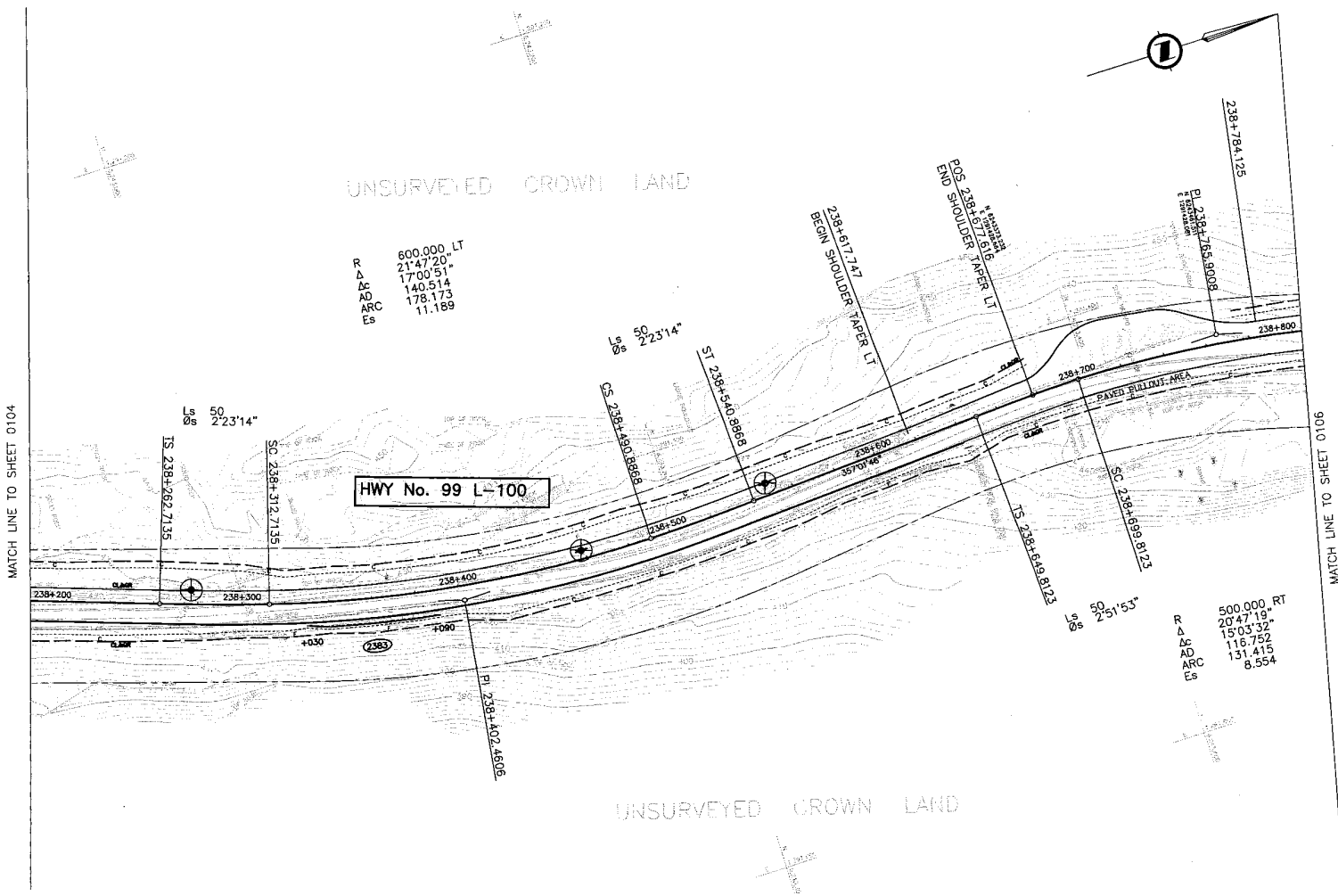
DWG. No.	Description	Rev.	Date
A	ISSUED FOR REVIEW		04/10/08
B	ISSUED FOR INFORMATION		04/11/08
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/08

Description	Signature
ISSUED FOR REVIEW	
ISSUED FOR INFORMATION	
ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. MERTZ, SENIOR DESIGN ENGINEER
 DATE: NOV 16 2004
 FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0104 | PC

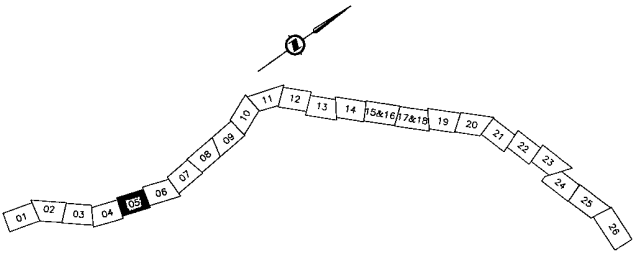
REFERENCE DRAWINGS

REVISIONS



R 600.000 LT
 Δ 21'47'20"
 Δc 17'00'51"
 ΔD 140.514
 ARC 178.173
 Es 11.189

R 500.000 RT
 Δ 20'47'19"
 Δc 15'03'32"
 ΔD 116.752
 ARC 131.415
 Es 8.554



DWG. No.	Description

Rev	Date	Description	Signature
A	24/10/23	ISSUED FOR REVIEW	
B	24/11/14	ISSUED FOR INFORMATION	
C	25/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

Sr
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 25/10/08
 CHECKED: MM DATE: 25/10/08
 DRAWN: JF DATE: 25/10/08
 APPROVED: MM DATE: 25/10/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

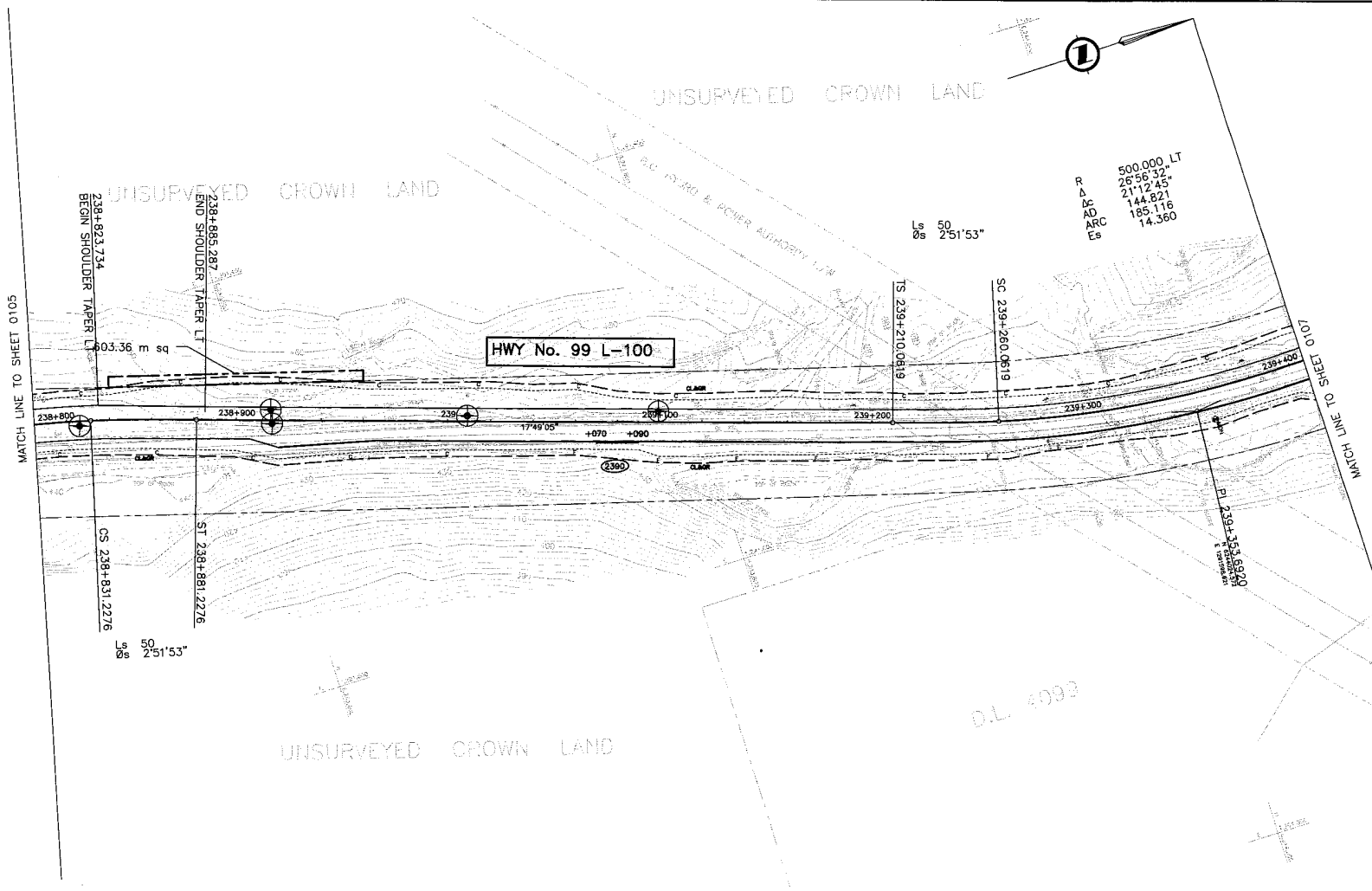
DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 238+202.828 TO STA 238+804.710

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 16 2004
 DRAWING No.

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 41DD-DB13-0105 IPC



MATCH LINE TO SHEET 0105

MATCH LINE TO SHEET 0106

HWY No. 99 L-100

UNSURVEYED CROWN LAND

UNSURVEYED CROWN LAND

UNSURVEYED CROWN LAND

500.000 LT
 R 25°56'32"
 Δ 21°12'45"
 ΔC 144.821
 ΔD 185.116
 ΔE 14.360

$L_s = 50$
 $\theta_s = 25'51'53''$

238+823.734
 BEGIN SHOULDER TAPER LT

238+885.287
 END SHOULDER TAPER LT

603.36 m sq

CS 238+831.2276

ST 238+881.2276

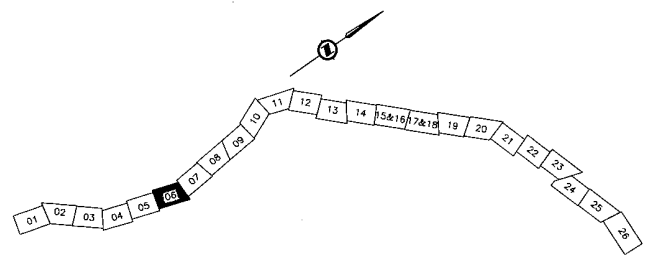
$L_s = 50$
 $\theta_s = 25'51'53''$

TS 238+210.0819

SC 238+260.0519

ET 239+326.6230

D.L. 4093



S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 04/20/08
 CHECKED: MEJ DATE: 04/20/08
 DRAWN: RJC DATE: 04/20/08
 APPROVED: MUM DATE: 04/21/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 238+804.710 TO STA 239+407.014

DWG. No.	Description	Rev.	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF: M. HERTZ, SENIOR DESIGN ENGINEER

DATE: NOV 18 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0106 IPC

REFERENCE DRAWINGS REVISIONS

UNSURVEYED
CROWN LAND

D.L. 4098

REF. PLAN 2270

R 600.000 LT
Δ 12'42"05"
Δc 755.37
AD 91.797
ARC 83.011
Es 3.879

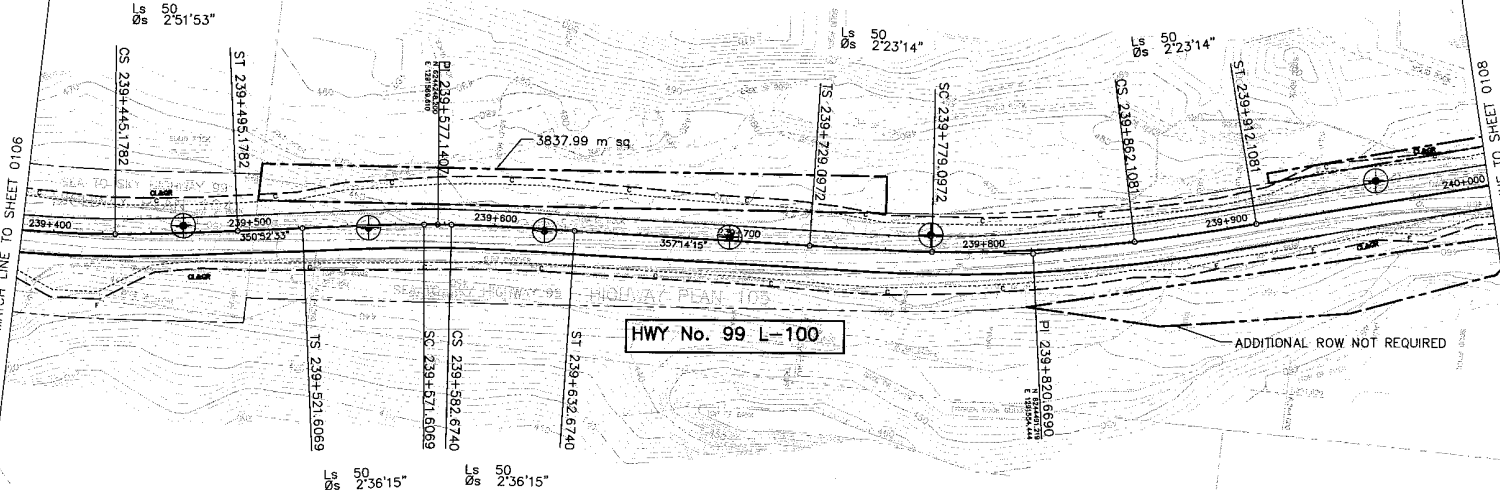
Ls 50
Os 2'51"53"

Ls 50
Os 2'23"14"

Ls 50
Os 2'23"14"

MATCH LINE TO SHEET 0106

MATCH LINE TO SHEET 0108



HWY No. 99 L-100

ADDITIONAL ROW NOT REQUIRED

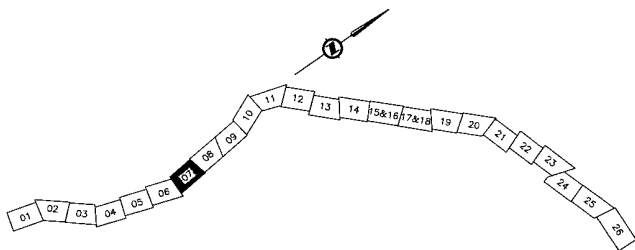
Ls 50
Os 2'36"15"

Ls 50
Os 2'36"15"

R 550.000 RT
Δ 8'21"41"
Δc 1'09"10"
AD 55.574
ARC 11.067
Es 1.038

D.L. 4099

D.L. 4100



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A. DATE: 04/10/08
CHECKED: S.M. DATE: 05/15/08
DRAWN: J.S. DATE: 05/15/08
APPROVED: J.M.M. DATE: 04/11/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 239+407.014 TO STA 240+008.460

DWG. No.	Description

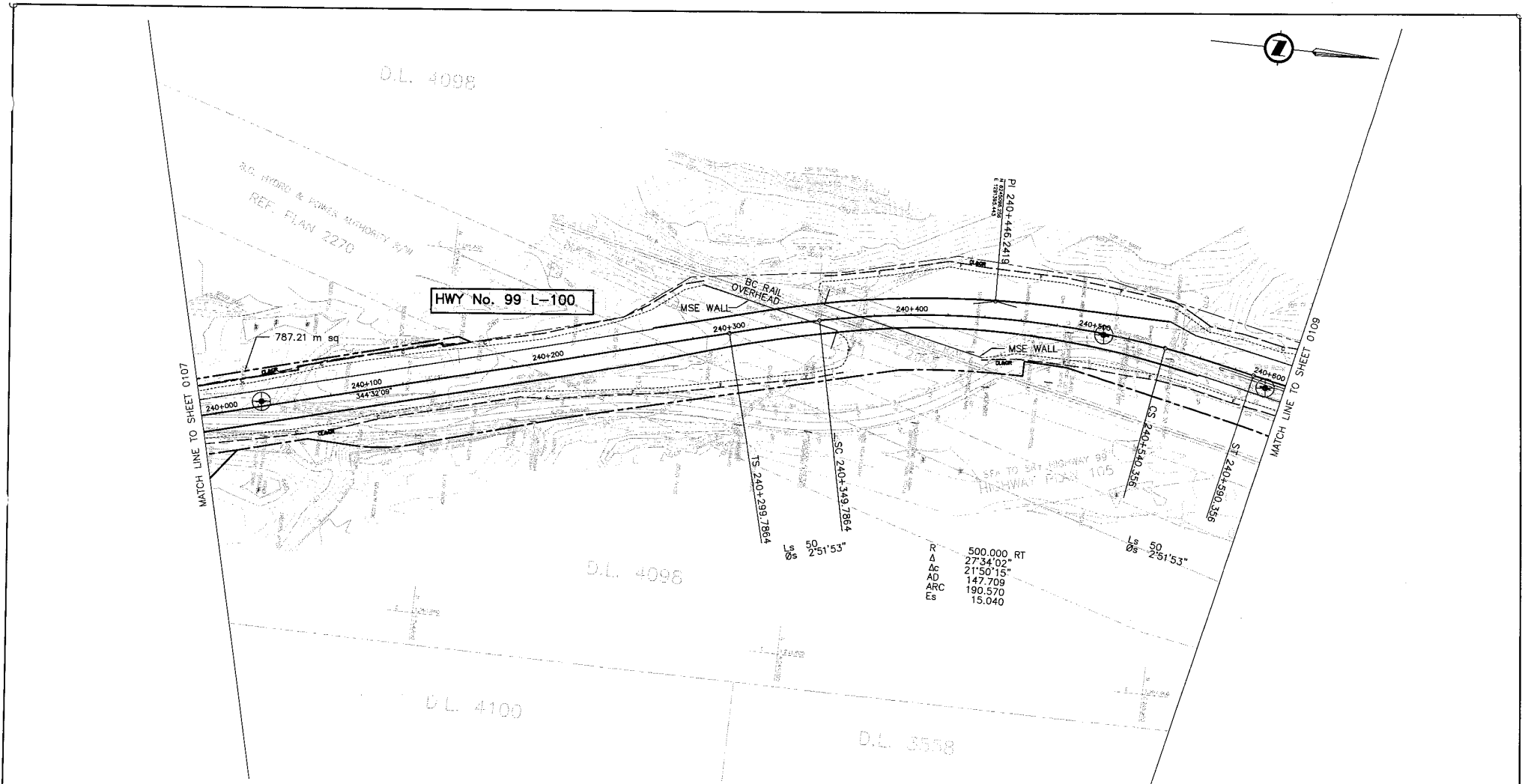
Rev	Date	Description	Signature
A	04/10/08	ISSUED FOR REVIEW	
B	04/11/08	ISSUED FOR INFORMATION	
C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**
PREPARED UNDER THE DIRECTION OF: M. NOTTE, SENIOR DESIGN ENGINEER
DATE: NOV 15 2008

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REVISION 1 DRAWING No. 41DD-DB13-0107 PC

REFERENCE DRAWINGS

REVISIONS



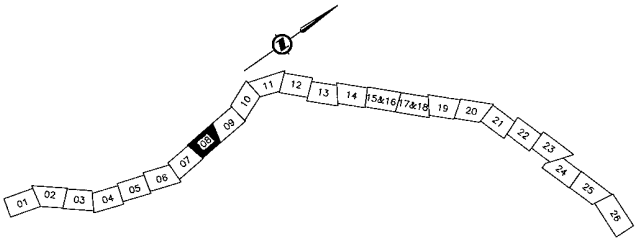
MATCH LINE TO SHEET 0107

MATCH LINE TO SHEET 0109

HWY No. 99 L-100

R 500.000 RT
 Δ 27'34.02"
 Δc 21'50.15"
 AD 147.709
 ARC 190.570
 Es 15.040

Ls 50
 Os 2'51'53"



SIR
 TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 04/09/08
 CHECKED: JLM DATE: 04/09/08
 DRAWN: JLM DATE: 04/09/08
 APPROVED: JLM DATE: 04/11/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

**DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 240+008.460 TO STA 240+608.576**

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. WERTZ
 SENIOR DESIGN ENGINEER
 DATE: NOV. 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST33 REGION 1 DRAWING No. 41DD-DB13-0106 PC

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

PLEASE PRINT: PROJECT NUMBER, DRAWING LETTER

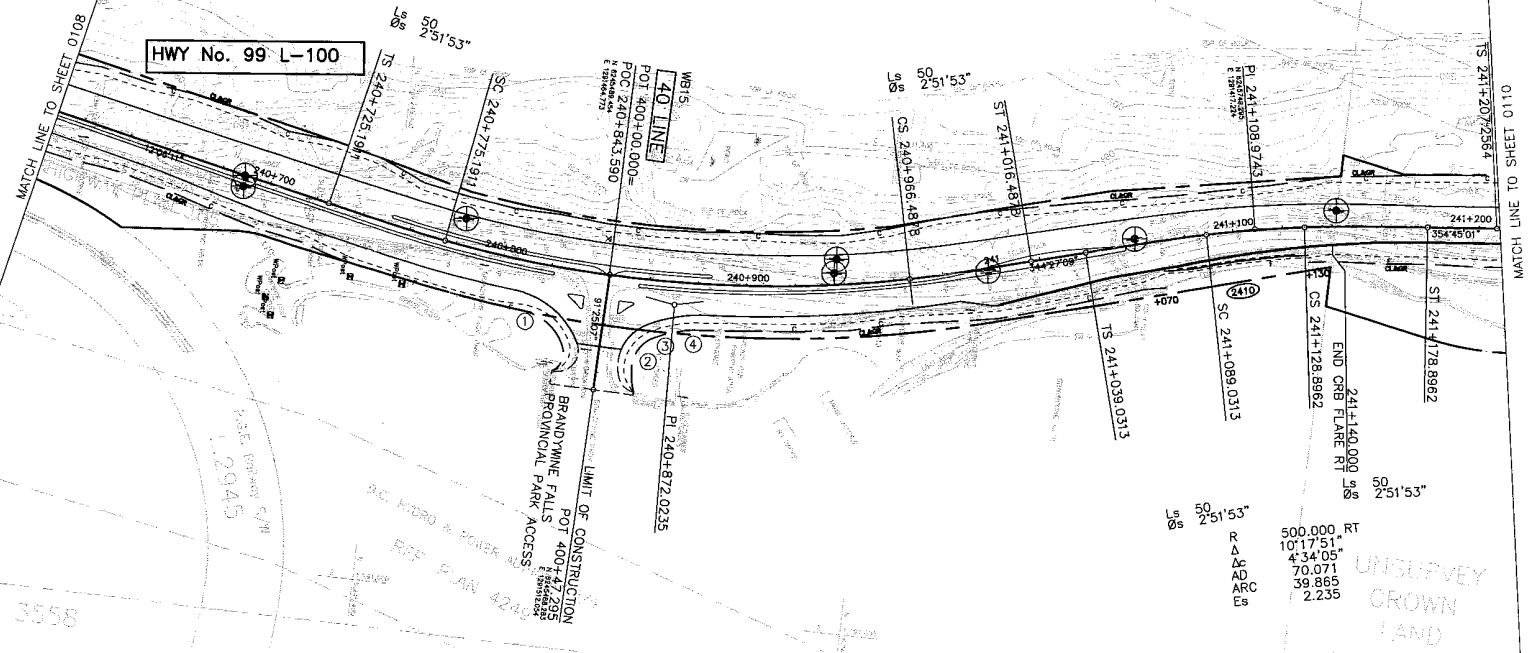
40 LINE CURVE DATA (WB15 VEHICLES)			
①	②	③	④
R 33.90	R 18.50	R 18.50	R 64.84
Δ 59°02'50"	Δ 7°01'10"	Δ 40°57'48"	Δ 23°12'29"
ARC 34.93	ARC -2.27	ARC 13.23	ARC 26.26

D.L. 4098

B.C. POWER AUTHORITY PLAN
REF. PLAN 6387

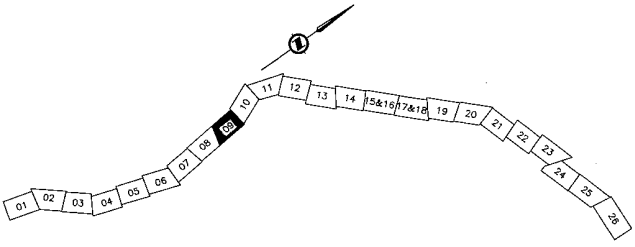
R 500.000 LT
Δ 27°39'02"
AD 21°55'15"
AO 148.095
ARC 191.297
Es 15.132

HWY No. 99 L-100



Ls 50 2°51'53"
R 500.000 RT
Δ 10°17'51"
AD 4°34'05"
AO 70.071
ARC 39.865
Es 2.235

UNSURVEYED
CROWN
LAND



SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JAA DATE: 04/29/08
CHECKED: JLM DATE: 05/29/08
DRAWN: JLM DATE: 05/29/08
APPROVED: JLM DATE: 05/21/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 240+608.576 TO STA 241+208.587

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
M. HEWITT
SENIOR DESIGN ENGINEER
DATE: NOV 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0109 PC

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW		24/10/08		
B	ISSUED FOR INFORMATION		24/11/08		
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/09		

REFERENCE DRAWINGS

REVISIONS

45 LINE CURVE DATA			
	①		②
R	55.00	R	55.00
Δ	29°40'36"	Δ	38°37'39"
ARC	28.49	ARC	37.08

R 340.000, LT
 Δ 23°46'36"
 AD 13°39'57"
 ARC 101.663
 Es 81.095
 7.903

Ls 60
 Os 5°03'19"

Ls 60
 Os 5°03'19"

HWY No. 99 L-100

LIMIT OF CONSTRUCTION
 POT 241+457.192
 P 241+457.192
 P 241+457.192

POT 241+677.9930
 P 241+677.9930

POT 241+62.572
 P 241+62.572
 P 241+62.572

45 LINE

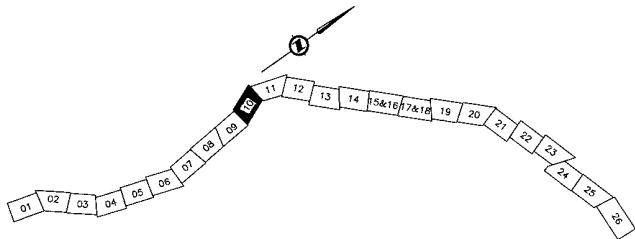
BREW MAIN FOREST SERVICE ROAD

MATCH LINE TO SHEET 0109

MATCH LINE TO SHEET 0111

UNSURVEYED CROWN LAND

UNSURVEYED CROWN LAND



S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED: JA DATE: 04/10/05
 CHECKED: JEM DATE: 05/09/05
 DRAWN: RL DATE: 04/10/05
 APPROVED: NLM DATE: 04/11/05

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 241+208.587 TO STA 241+809.822

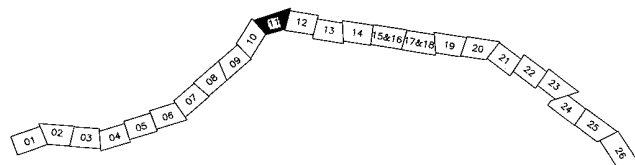
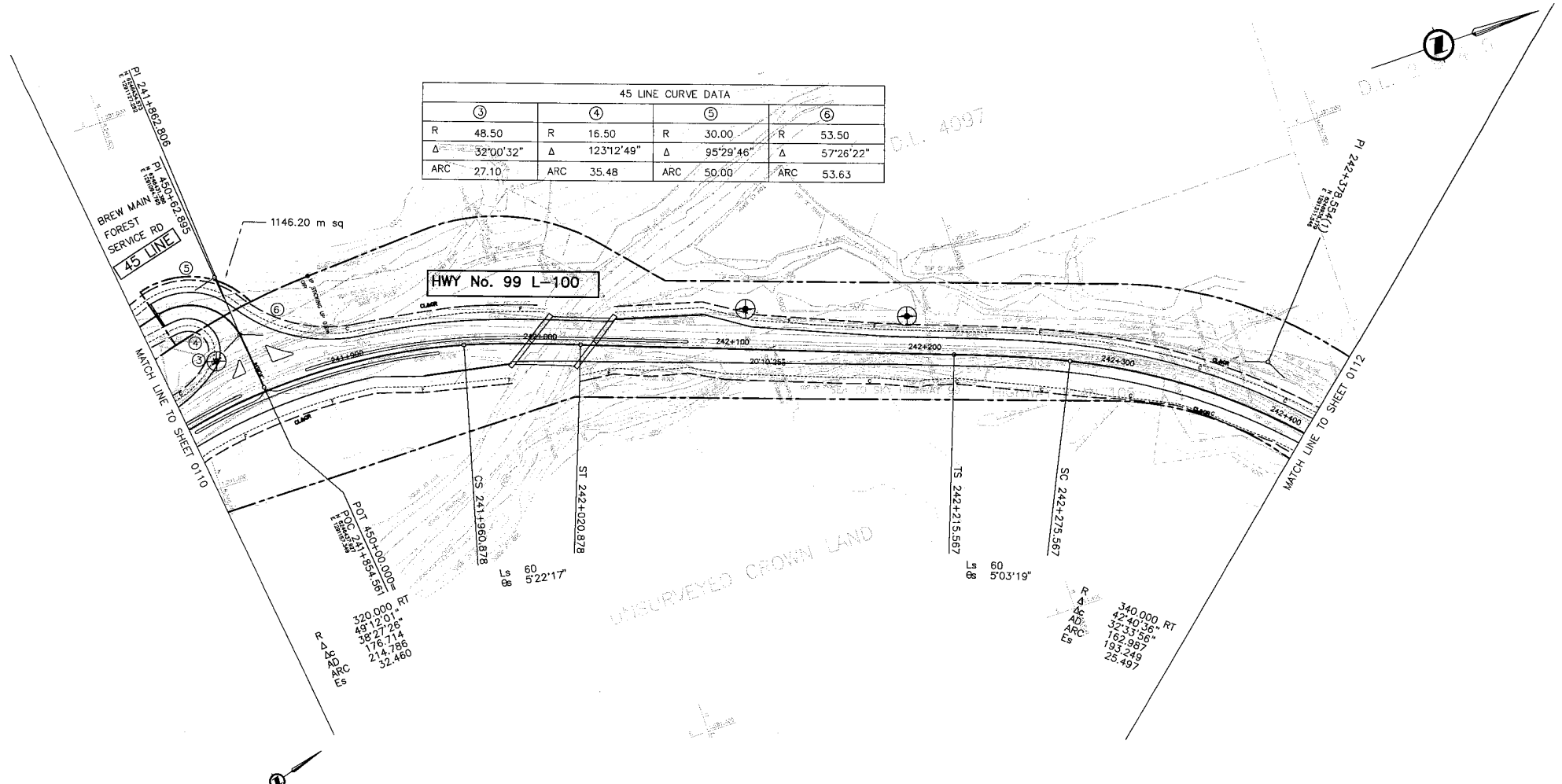
DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/05	ISSUED FOR REVIEW	
		B	24/11/05	ISSUED FOR INFORMATION	
		C	25/01/05	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	uma	M. MURTY SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REVISION 1
		DATE NOV 18 2004
		DRAWING No. 41DD-DB13-0110

REFERENCE DRAWINGS

REVISIONS

45 LINE CURVE DATA							
③	④	⑤	⑥				
R	48.50	R	16.50	R	30.00	R	53.50
Δ	32°00'32"	Δ	123°12'49"	Δ	95°29'46"	Δ	57°26'22"
ARC	27.10	ARC	35.48	ARC	50.00	ARC	53.63



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JA DATE 04/20/08
CHECKED JEM DATE 05/02/08
DRAWN RS DATE 04/25/08
APPROVED MEM DATE 04/21/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 241+809.822 TO STA 242+409.357

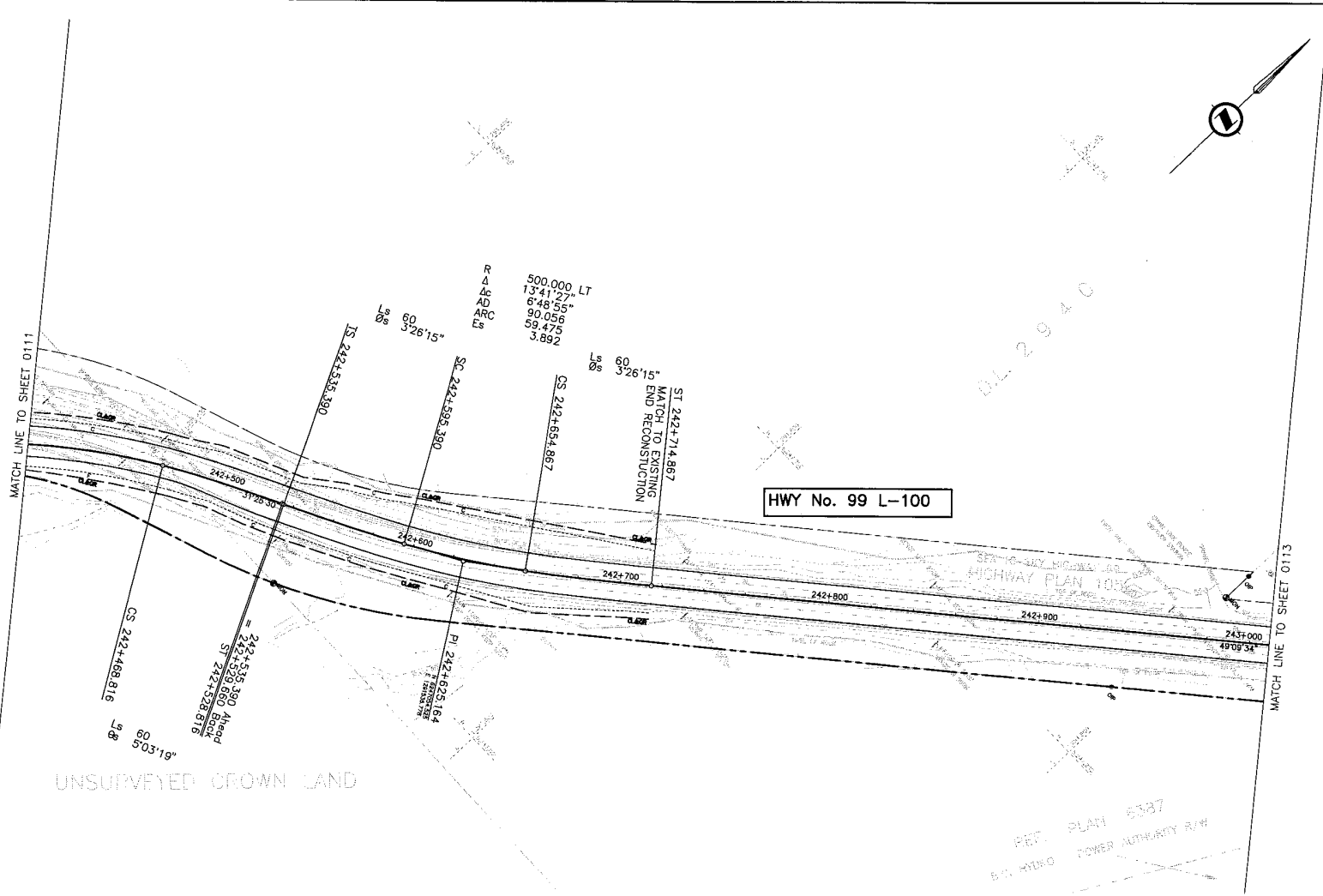
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers	Design Consultant	PREPARED UNDER THE DIRECTION OF
Hatch Mott MacDonald	uma	M. MERITZ SENIOR DESIGN ENGINEER
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	DATE NOV 18 2004
REGION 1	DRAWING No. 41DD-DB13-0111	PC

REFERENCE DRAWINGS

REVISIONS

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED

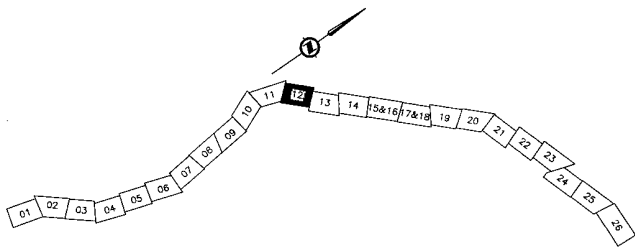


HWY No. 99 L-100

UNSURVEYED CROWN LAND

DL 2940

REF. PLAN 5387
S.C. HYDRO POWER AUTHORITY A/W



TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DBFO - HORSESHOE BAY TO WHISTLER PLAN	
DESIGNED: JAA DATE: 04/19/08 CHECKED: MLM DATE: 04/19/08 DRAWN: JSS DATE: 04/19/08 APPROVED: JSM DATE: 04/21/08		DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 242+409.357 TO STA 243+009.357	
PROJECT MANAGER:		DESIGN CONSULTANT:	
FILE No. 214753-EN10-U		PROJECT No. 09901-ST53	
REGION 1		DRAWING No. 410D-DB13-0112 PC	

DWG. No.	Description

Rev	Date	Description	Signature
A	04/10/08	ISSUED FOR REVIEW	
B	04/11/08	ISSUED FOR INFORMATION	
C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

IMAGE COPY FILE IN:

50 LINE CURVE DATA			
①	②	③	④
R 120.00	R 150.00	R 50.00	R 90.00
Δ 36°10'08"	Δ 10°01'17"	Δ 52°54'32"	Δ 17°00'36"
ARC 75.75	ARC 26.24	ARC 46.17	ARC 26.72

LIMIT OF CONSTRUCTION
 POT 502+79.321
 N 52°07'34.959"
 E 152°07'34.959"

50 LINE
 R 900.000 LT
 Δ 17°50'03"
 AD 166.231
 ARC 230.142
 Es 11.128

POT 501+36.131
 POC 243+525.620
 N 52°07'34.959"
 E 152°07'34.959"

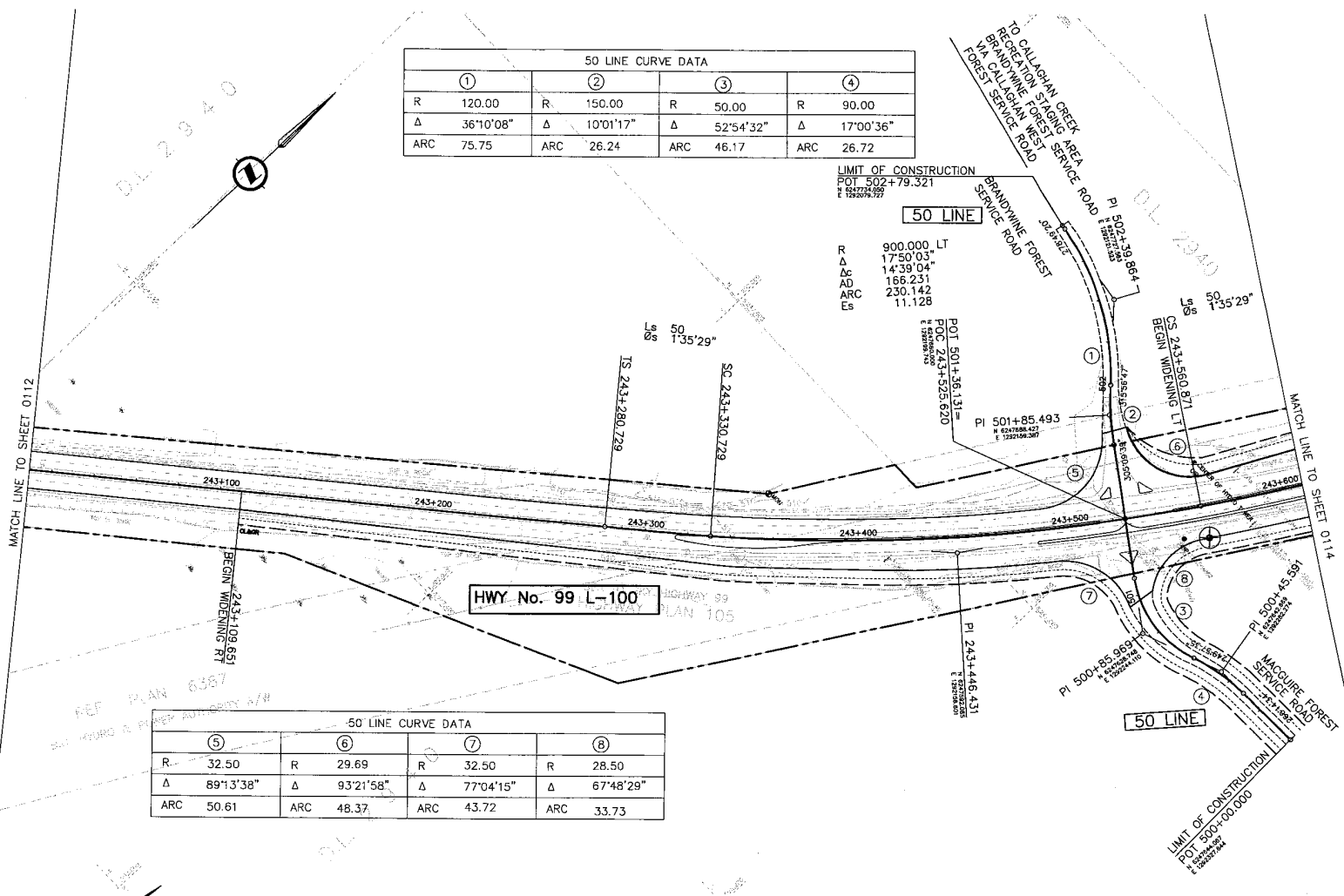
PI 501+85.493
 N 52°07'34.959"
 E 152°07'34.959"

PI 243+448.431
 N 52°07'34.959"
 E 152°07'34.959"

PI 500+85.969
 N 52°07'34.959"
 E 152°07'34.959"

PI 500+45.591
 N 52°07'34.959"
 E 152°07'34.959"

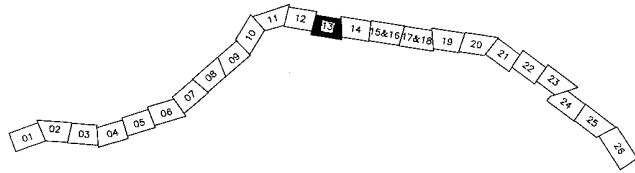
50 LINE CURVE DATA			
⑤	⑥	⑦	⑧
R 32.50	R 29.69	R 32.50	R 28.50
Δ 89°13'38"	Δ 93°21'58"	Δ 77°04'15"	Δ 67°48'29"
ARC 50.61	ARC 48.37	ARC 43.72	ARC 33.73



MATCH LINE TO SHEET 0112

MATCH LINE TO SHEET 0114

REF PLAN 6387
 ROAD & RAILWAY AUTHORITY A/R



 SCALE 0 1:1000 50 DESIGNED: AA DATE 24/10/24 CHECKED: MM DATE 24/11/24 DRAWN: JG DATE 24/10/24 APPROVED: MM DATE 24/11/24	 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 243+009.357 TO STA 243+809.983	PROJECT MANAGER DESIGN CONSULTANT PREPARED UNDER THE DIRECTION OF N. MERRY SENIOR DESIGN ENGINEER DATE NOV 15 2024

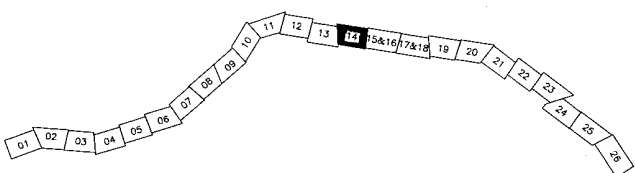
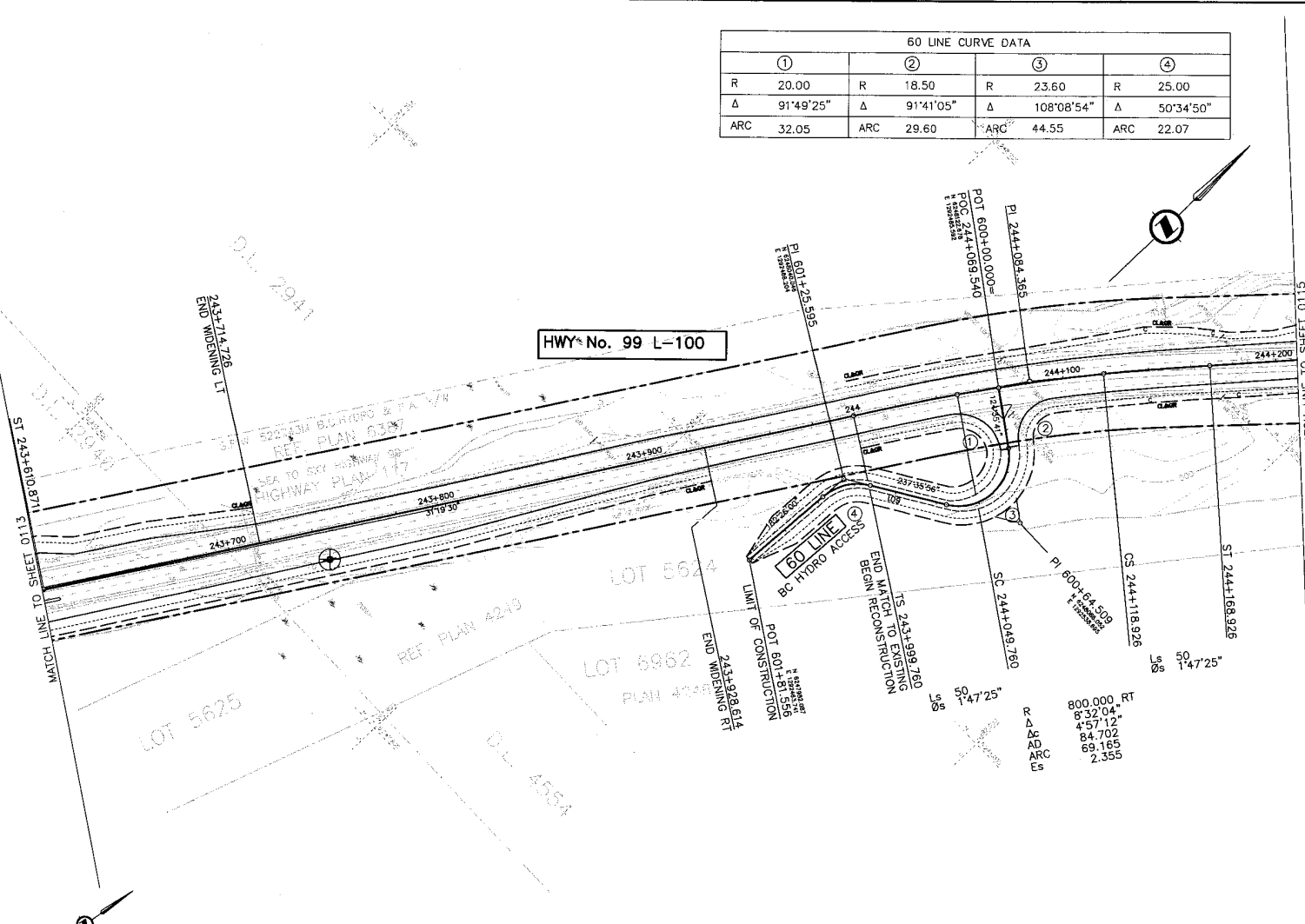
DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/24	ISSUED FOR REVIEW	
		B	24/11/24	ISSUED FOR INFORMATION	
		C	25/01/25	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

DATE PLOTTED: 11/15/24

60 LINE CURVE DATA			
①	②	③	④
R 20.00	R 18.50	R 23.60	R 25.00
Δ 91°49'25"	Δ 91°41'05"	Δ 108°08'54"	Δ 50°34'50"
ARC 32.05	ARC 29.60	ARC 44.55	ARC 22.07



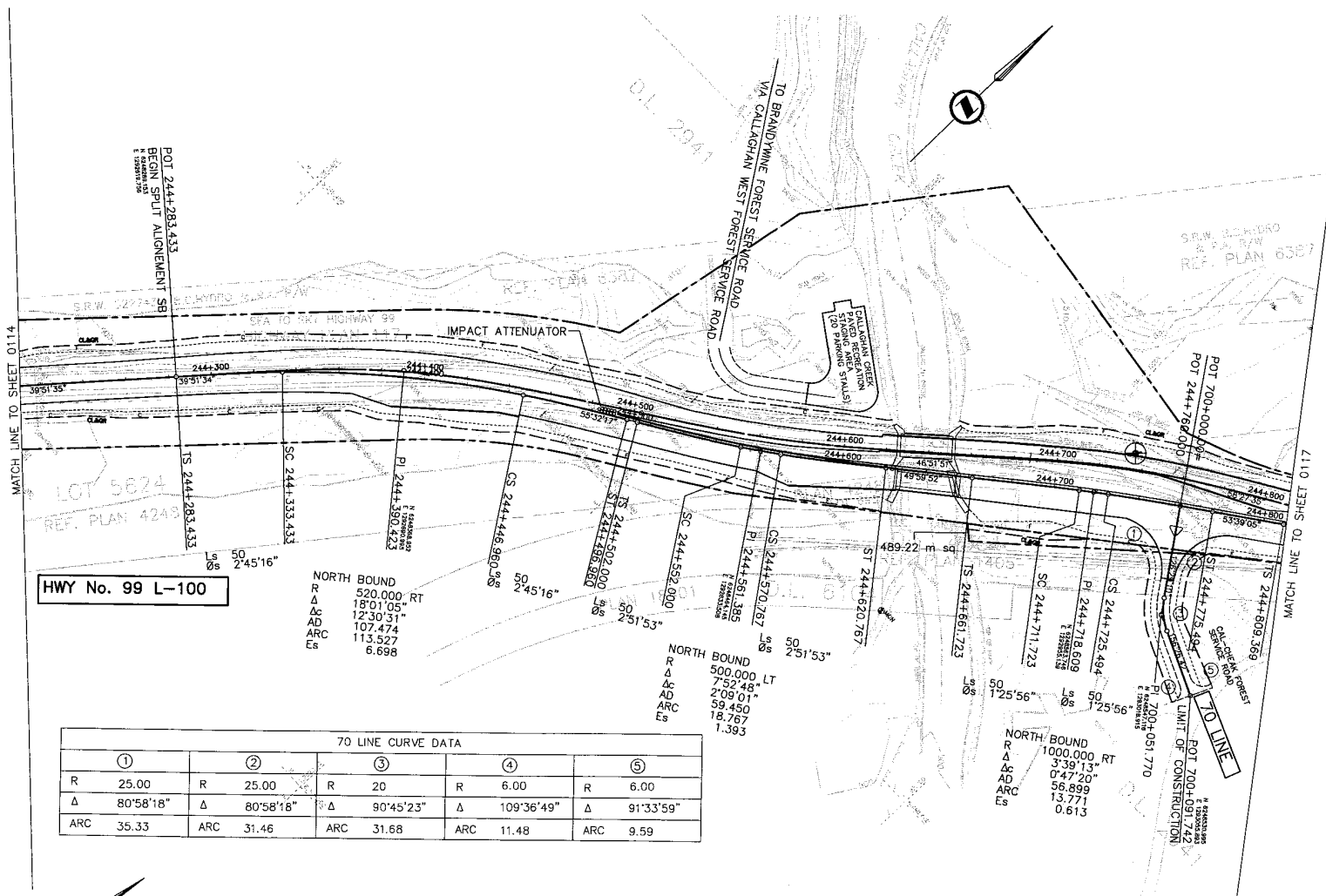
800.000 RT
832.04
457.12
84.702
69.165
2.355

 TRANSPORTATION GROUP	DESIGNED: AA DATE: 04/29/08 CHECKED: JLM DATE: 04/29/08 DRAWN: JSS DATE: 04/29/08 APPROVED: JLM DATE: 04/29/08		 MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 243+609.983 TO STA 244+210.256
	SCALE: 0 1:1000 50	PROJECT No. 09901-ST3 REGION 1	
FILE No. 214753-EN10-U		PROJECT No. 09901-ST3 REGION 1 DRAWING No. 410D-DB13-0114	

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS



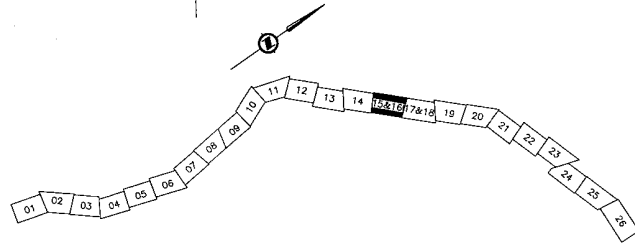
HWY No. 99 L-100

NORTH BOUND
 R Δ 520.000 RT
 Δc 18°01'05"
 AD 12'30'31"
 ARC 107.474
 Es 113.527
 Es 6.698

NORTH BOUND
 R Δ 500.000 LT
 Δc 7°52'48"
 AD 2'09'01"
 ARC 59.450
 Es 18.767
 Es 1.393

NORTH BOUND
 R Δ 1000.000 RT
 Δc 3°39'13"
 AD 0'47'20"
 ARC 56.899
 Es 13.771
 Es 0.613

70 LINE CURVE DATA				
①	②	③	④	⑤
R 25.00	R 25.00	R 20	R 6.00	R 6.00
Δ 80°58'18"	Δ 80°58'18"	Δ 90°45'23"	Δ 109°36'49"	Δ 91°33'59"
ARC 35.33	ARC 31.46	ARC 31.68	ARC 11.48	ARC 9.59



FOR SOUTHBOUND CURVE DATA SEE
 DRAWING No. 41DD-DB13-0116

DMC No.	Description

Rev	Date	Description	Signature
A	04/10/24	ISSUED FOR REVIEW	
B	04/11/16	ISSUED FOR INFORMATION	
C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

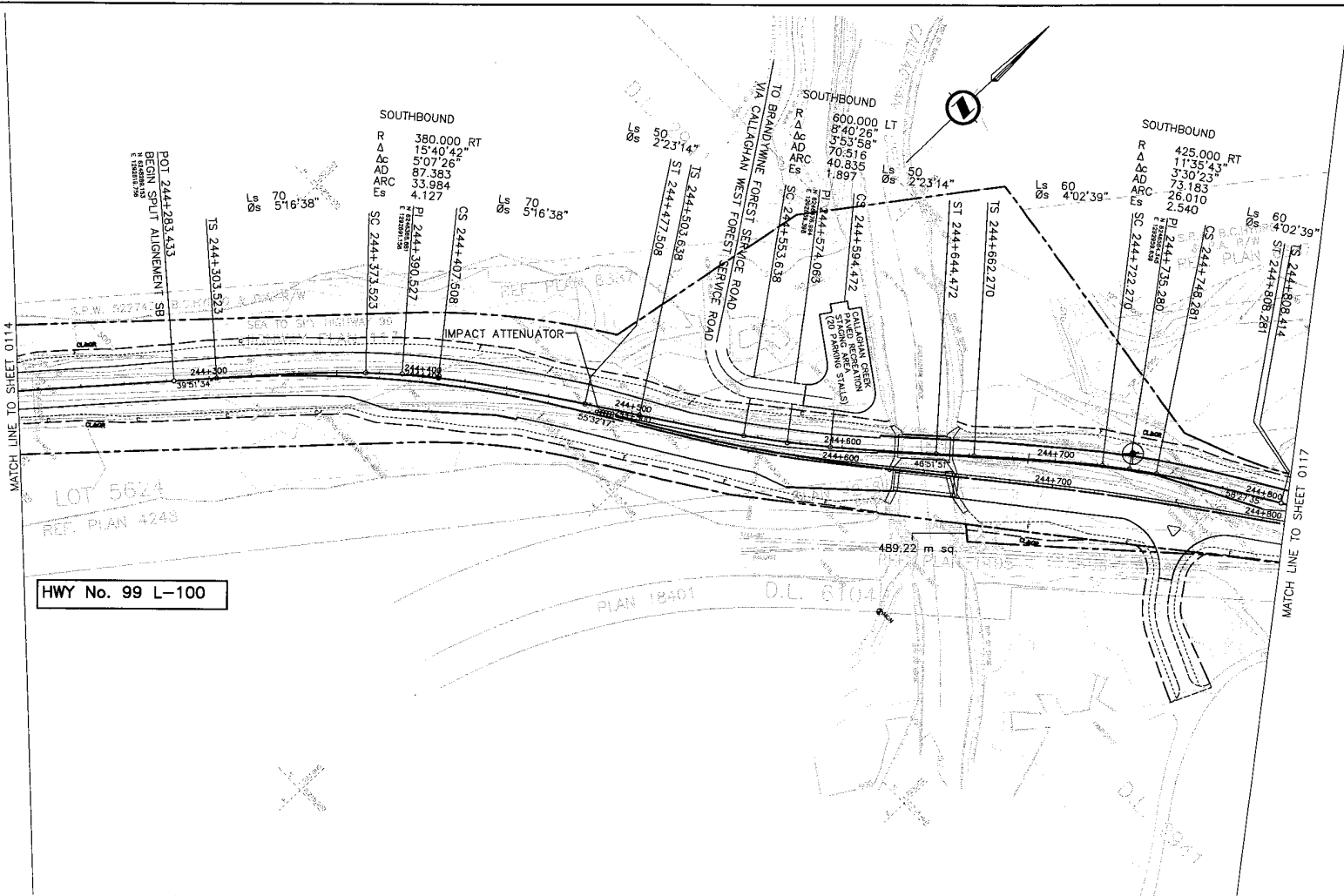
SCALE 0 1:1000 50

DESIGNED: JA DATE: 04/20/08
 CHECKED: JLM DATE: 04/29/08
 DRAWN: JSS DATE: 04/29/08
 APPROVED: JLM DATE: 04/23/08

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO - HORSESHOE BAY TO WHISTLER PLAN
 DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 244+210.256 (NB) TO STA 244+810.642 (NB)
 Project Manager: Design Consultant:
 M. WEITZ SENIOR DESIGN ENGINEER
 DATE: NOV 16 2004
 FILE No. 214753-EN10-U PROJECT No. 09901-ST33 REGION 1 DRAWING No. 41DD-DB13-0115 PC

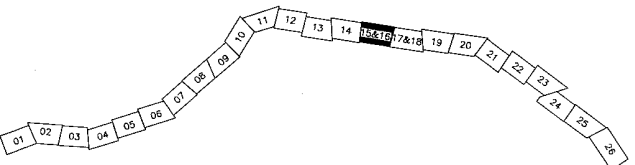
REFERENCE DRAWINGS

REVISIONS



HWY No. 99 L-100

FOR NORTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0115



SR
S2S TRANSPORTATION GROUP

DESIGNED: JA DATE: 04/19/08
CHECKED: MLW DATE: 04/19/08
DRAWN: RC DATE: 05/13/08
APPROVED: ALM DATE: 05/13/08

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 244+283.433 (SB) TO STA 244+811.182 (SB)

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. HESTER
SENIOR DESIGN ENGINEER
DATE: NOV 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-S1S3 REGION 1 DRAWING No. 41DD-DB13-0116 | PC

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	
REFERENCE DRAWINGS		REVISIONS			

UNSURVEYED CROWN LAND

S.A.V. B.C. H.C.P.O. & P.A. S/W
REF. PLAN 6387

REF. PLAN 4242

LOT 5524

UNSURVEYED CROWN LAND

UNSURVEYED CROWN LAND

500.000 LT
14°41'44"
R
Δ
Δc
AD
ARC
Es
857.58"
89.501
78.244
4.350

Ls 50
Os 2°51'53"

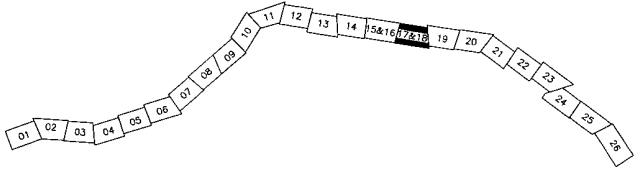
244+878.790
BEGIN LIVE WALL
ST 244+973.944
END SPLIT ALIGNMENT SB
= 244+973.325 NB
245+008.333
END LIVE WALL

MATCH LINE TO SHEET 0116

MATCH LINE TO SHEET 0119

HWY No. 99 L-100

60
Os 4°02'39"
NORTH BOUND
425.000 LT
R
Δ
Δc
AD
ARC
Es
935.44"
1°30'24"
65.696
11.177
1.849



FOR SOUTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0118

SJR
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JAA DATE 04/10/08
CHECKED MEM DATE 04/29/08
DRAWN SS DATE 04/29/08
APPROVED SEM DATE 05/01/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 244+810.642 (NB) TO STA 245+410.617 (NB)

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

Rev	Date	Description	Signature
A	04/10/08	ISSUED FOR REVIEW	
B	04/11/08	ISSUED FOR INFORMATION	
C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

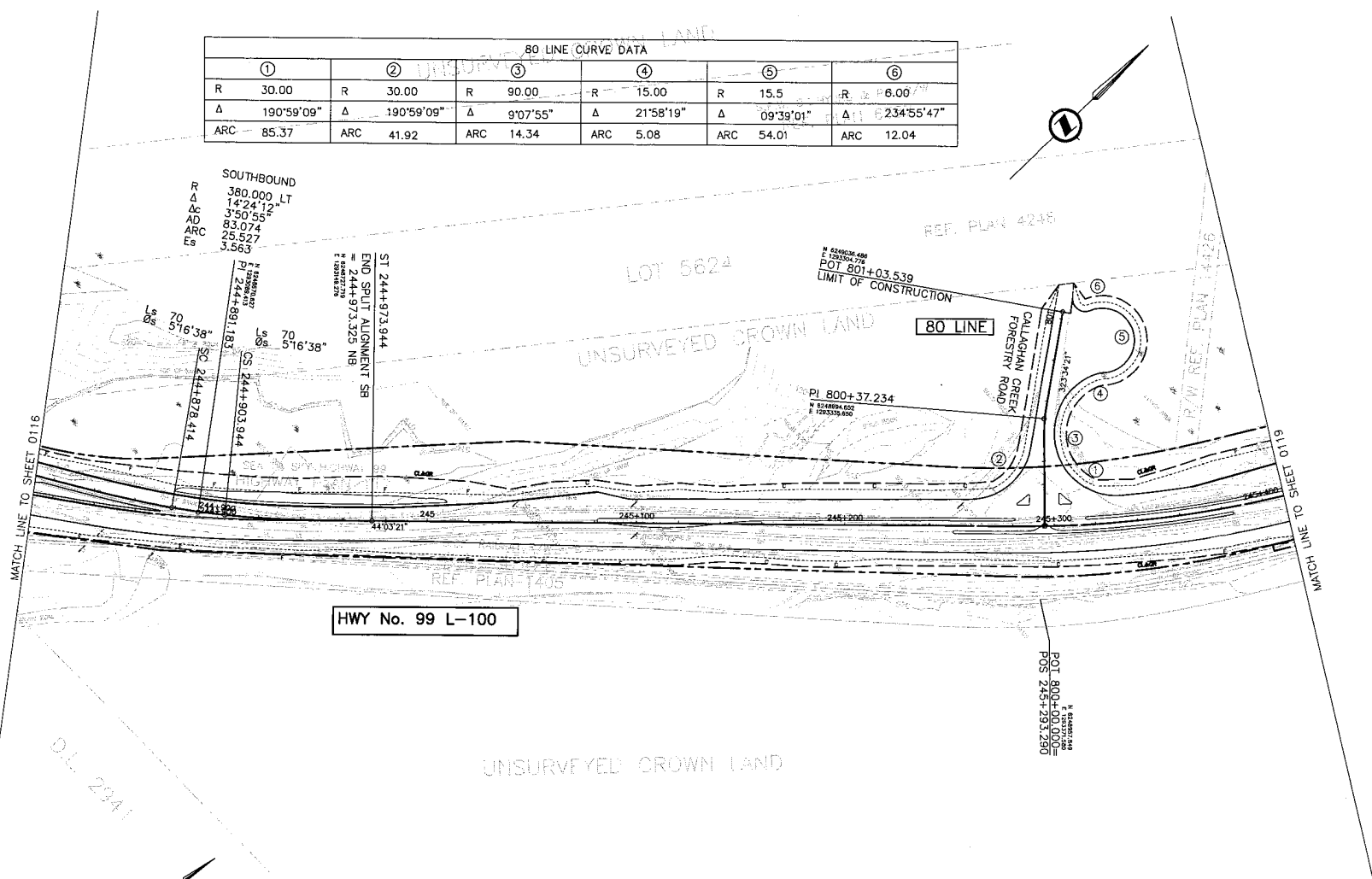
PREPARED UNDER THE DIRECTION OF
M. METZ
SENIOR DESIGN ENGINEER
DATE NOV 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0117 PC

REFERENCE DRAWINGS

REVISIONS

80 LINE CURVE DATA					
①	②	③	④	⑤	⑥
R 30.00	R 30.00	R 90.00	R 15.00	R 15.5	R 6.00
Δ 190°59'09"	Δ 190°59'09"	Δ 9°07'55"	Δ 21°58'19"	Δ 09°39'01"	Δ 62°34'55'47"
ARC 85.37	ARC 41.92	ARC 14.34	ARC 5.08	ARC 54.01	ARC 12.04



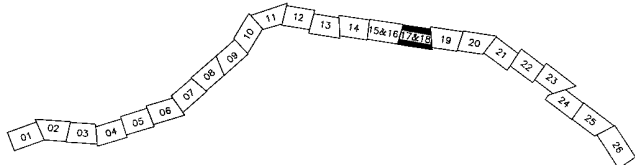
MATCH LINE TO SHEET 0116

MATCH LINE TO SHEET 0119

HWY No. 99 L-100

UNSURVEYED CROWN LAND

FOR NORTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0117



DESIGNED: JA DATE: 04/19/04 CHECKED: MEL DATE: 04/19/04 DRAWN: JEE DATE: 04/19/04 APPROVED: JSM DATE: 04/19/04		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 244+811.182 (SB) TO ST 244+973.944 (SB)	
SCALE: 0 1:1000 50		Project Manager: Design Consultant:	
PREPARED UNDER THE DIRECTION OF: M. MYRIZ, SENIOR DESIGN ENGINEER, DATE NOV 16 2004		FILE No.: 214753-EN10-U PROJECT No.: 09901-ST53 REGION: 1 DRAWING No.: 410D-DB13-0118 PC	

DWC No.	Description	Rev	Date	Description	Signature
		A	04/19/04	ISSUED FOR REVIEW	
		B	04/11/04	ISSUED FOR INFORMATION	
		C	05/01/04	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

UNSURVEYED CROWN LAND

SURV. 6017080 & PA. R/W
REF. PLAN 4243
LOT 5624

HWY No. 99 L=100

UNSURVEYED CROWN LAND

90 LINE
LIMIT OF CONSTRUCTION
BC RAIL ACCESS

121.06 m sq

R 500.000 RT
Δ 23°28'09"
Δc 17°44'23"
AD 128.902
ARC 154.808
Es 10.886

90 LINE CURVE DATA	
①	②
R 25.00	R 30.00
Δ 54°46'10"	Δ 48°53'01"
ARC 23.90	ARC 25.60

SR
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 04/19/08
CHECKED: MM DATE: 04/19/08
DRAWN: SS DATE: 04/19/08
APPROVED: JJM DATE: 04/19/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 245+410.617 TO STA 246+010.653

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **uma**

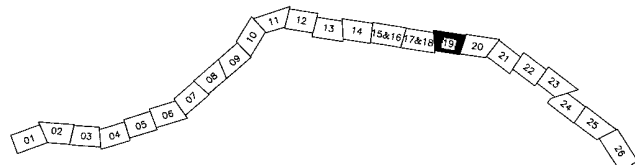
M. WITZ
SENIOR DESIGN ENGINEER
DATE: NOV. 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 4100-DB13-0119

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/19/08	ISSUED FOR REVIEW	
		B	04/11/10	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

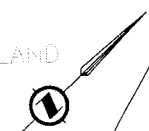
REFERENCE DRAWINGS

REVISIONS



DRAWING FILE NO.

UNINSURVED CROWN LAND



MR. SCHYRO & P.A. R/W
REF. PLAN 838/

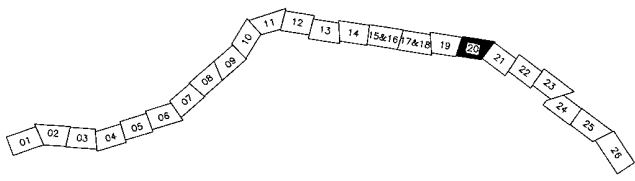
R 340.000 LT
Δ 14°18'15"
AD 4'11'36"
ARC 72.711
Es 24.884
3.111

SEA TO SKY HIGHWAY 99
HIGHWAY PLAN 117

HWY No. 99 L-100

91 LINE CURVE DATA		
①	②	③
R 11.40	R 11.40	10.00
Δ 90°00'00"	Δ 90°00'00"	103°25'22"
ARC 17.91	ARC 17.91	18.05

R 300.000 RT
Δ 34°14'08"
AD 22°46'35"
ARC 122.538
Es 119.258
14.429



	DESIGNED: JA DATE: 04/10/06 CHECKED: JLM DATE: 04/19/06 DRAWN: JSE DATE: 04/19/06 APPROVED: JLM DATE: 04/11/06	
	SCALE: 1:1000	
MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER PLAN DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 246+010.653 TO STA 246+612.191		
Project Managers 	Design Consultant 	PREPARED UNDER THE DIRECTION OF M. MOSTE SENIOR DESIGN ENGINEER DATE: NOV 16 2004
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REGION 1 DRAWING No. 41DD-DB13-0120 PC

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/06	ISSUED FOR REVIEW	
		B	04/11/06	ISSUED FOR INFORMATION	
		C	05/01/06	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

UNSURVEYED CROWN LAND



MATCH LINE TO SHEET 0120

MATCH LINE TO SHEET 0122

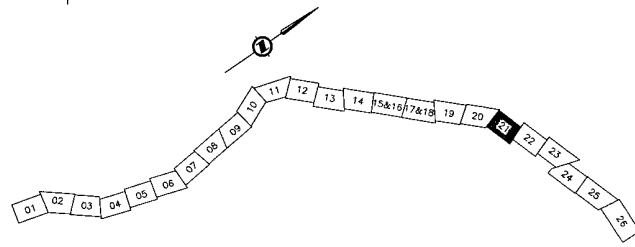
250.000 LT
24°18'25"
5'58'20"
94.035
26.089
6.622
R
Δ
&
AD
ARC
Es

250.000 RT
23°17'58"
4'57'53"
91.730
21.664
6.346
R
Δ
&
AD
ARC
Es

HWY No. 99 L-100

B.C. RAILWAY N/W
D.L. 4361
REF. PLAN 1405

UNSURVEYED CROWN LAND



SRS
TRANSPORTATION GROUP

SCALE: 0 1:1000 50

DESIGNED: JAA DATE: 04/10/08
CHECKED: MJM DATE: 04/29/08
DRAWN: JIS DATE: 04/29/08
APPROVED: MJM DATE: 04/23/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 246+612.191 TO STA 247+214.079

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MITCHELL
SENIOR DESIGN ENGINEER
DATE: NOV 16 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 410D-DB13-0121

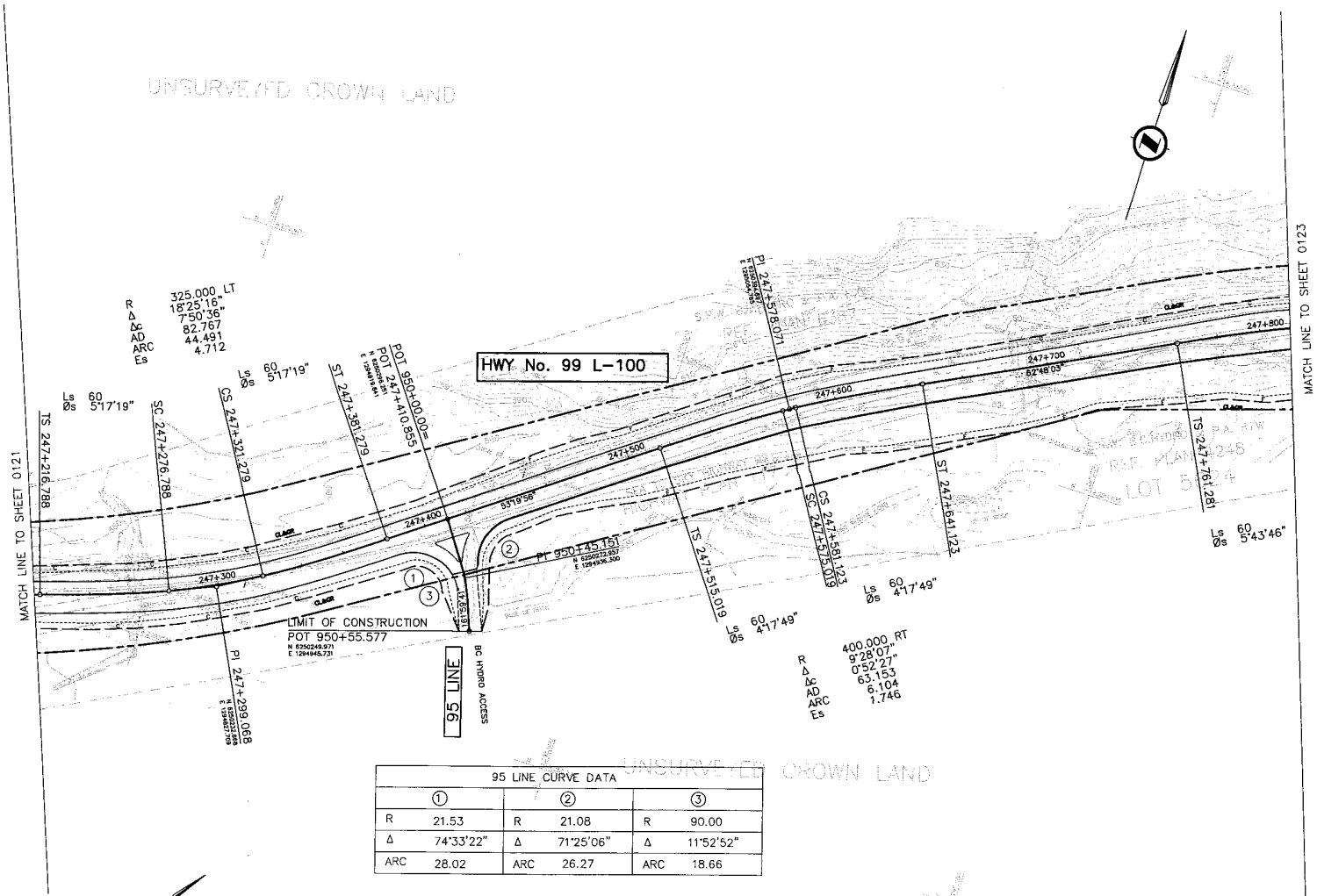
DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

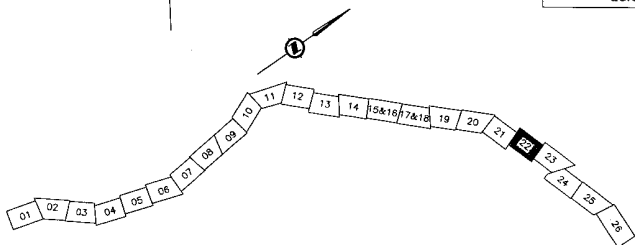
REVISIONS

DATE PLOTTED: 11/16/04

UNSURVEYED CROWN LAND



95 LINE CURVE DATA		
①	②	③
R 21.53	R 21.08	R 90.00
Δ 74°33'22"	Δ 71°25'06"	Δ 11°52'52"
ARC 28.02	ARC 26.27	ARC 18.66



S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 247+214.079 TO STA 247+814.293

SCALE 0 1:1000 50

DESIGNED: JLM DATE: 04/10/08
 CHECKED: JLM DATE: 04/25/08
 DRAWN: RC DATE: 04/25/08
 APPROVED: JLM DATE: 04/11/08

PREPARED UNDER THE DIRECTION OF
M. WERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 18 2004
DRAWING NO.

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW	1	04/10/08		
B	ISSUED FOR INFORMATION	2	04/11/08		
C	ISSUED FOR PROPOSAL SUBMISSION	3	05/01/08		

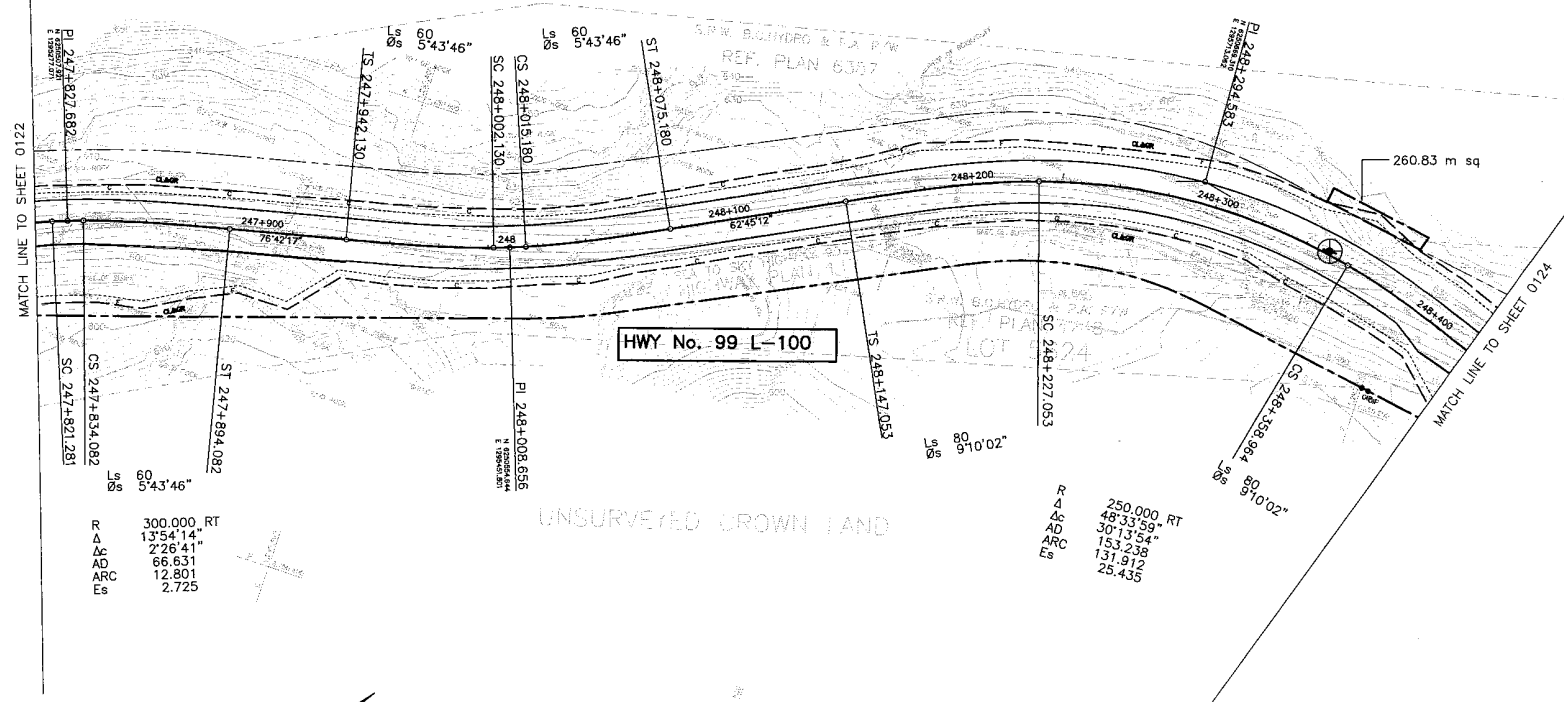
REFERENCE DRAWINGS

REVISIONS

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST3
 REGION 1
 DRAWING No. 41DD-DB13-0122 [PC]

UNSURVEYED CROWN LAND

R 300.000 LT
 Δ 13°57'04"
 Δc 2'29'32"
 AD 66.757
 ARC 13.049
 Es 2.741

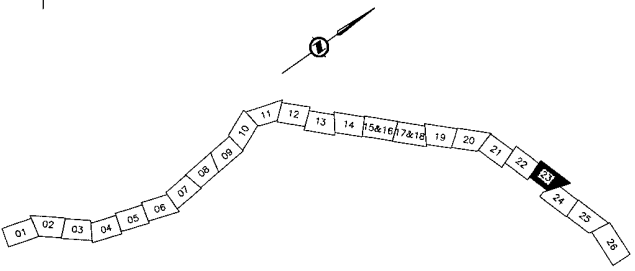


HWY No. 99 L-100

UNSURVEYED CROWN LAND

R 300.000 RT
 Δ 13°54'14"
 Δc 2'26'41"
 AD 66.631
 ARC 12.801
 Es 2.725

R 250.000 RT
 Δ 48°33'59"
 Δc 30'13'54"
 AD 153.238
 ARC 131.912
 Es 25.435



SRS
 S2S TRANSPORTATION GROUP

DESIGNED: AA DATE: 04/10/24
 CHECKED: MEW DATE: 04/19/24
 DRAWN: JES DATE: 04/19/24
 APPROVED: JLM DATE: 04/21/24

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 247+814.293 TO STA 248+419.017

DWG. No.	Description

Rev	Date	Description	Signature
A	04/10/24	ISSUED FOR REVIEW	
B	04/11/24	ISSUED FOR INFORMATION	
C	05/01/24	ISSUED FOR PROPOSAL SUBMISSION	

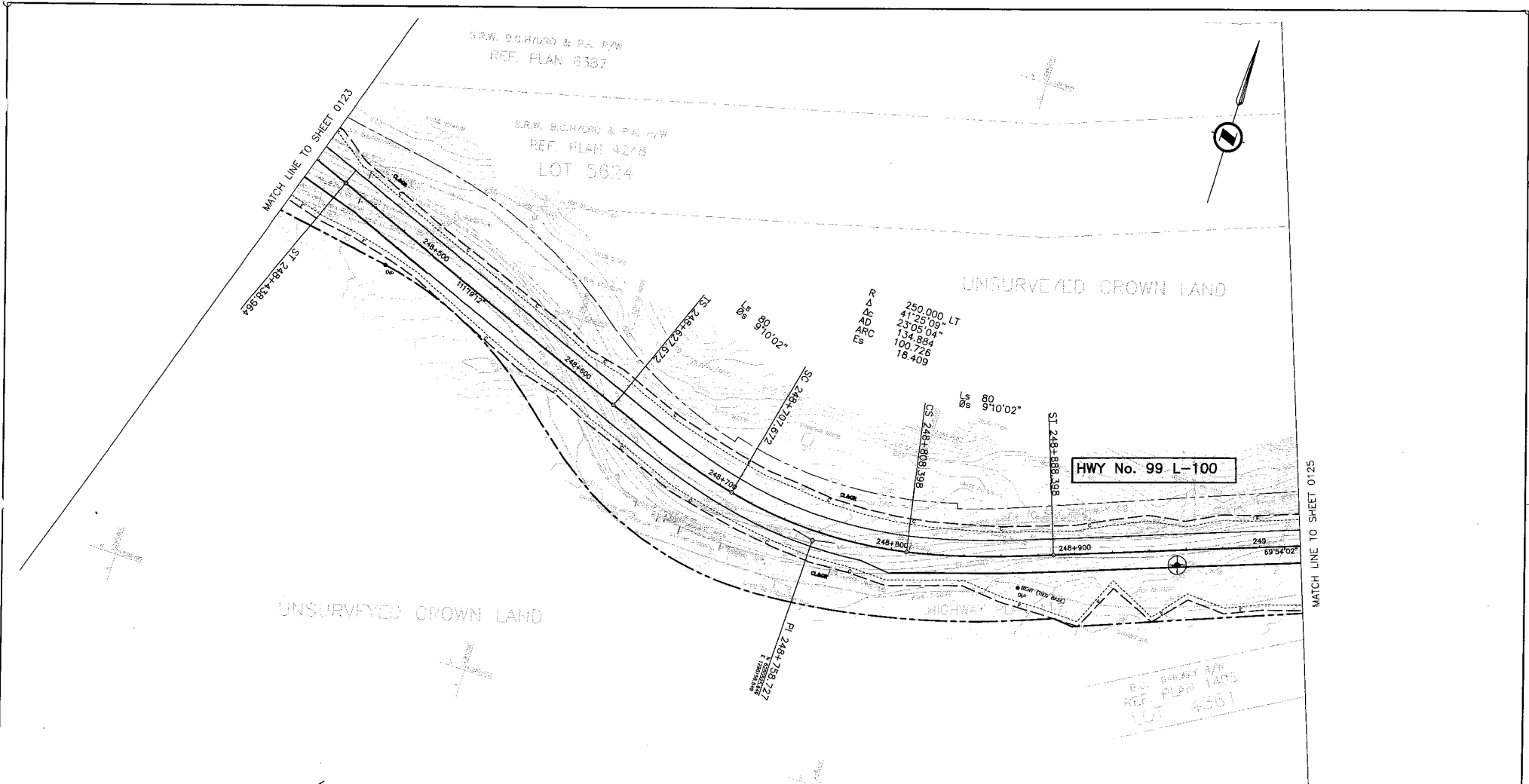
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. WEST
 SENIOR DESIGN ENGINEER
 DATE: NOV 16 2024

FILE No. 214753-EN10-U PROJECT No. 09901-S2S3 REGION 1 DRAWING No. 41DD-DB13-0123 PC

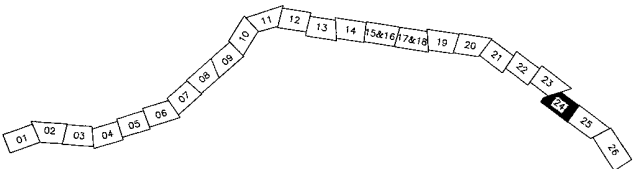
REFERENCE DRAWINGS

REVISIONS



MATCH LINE TO SHEET 0123

MATCH LINE TO SHEET 0125



SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED AA DATE 04/10/08
 CHECKED MFM DATE 02/03/09
 DRAWN JEL DATE 05/09/08
 APPROVED BCM DATE 05/11/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 248+419.017 TO STA 249+021.885

Project Monitors: **Hatch Mott MacDonald**
 Design Consultant: **uma**
 PREPARED UNDER THE DIRECTION OF: M. HETZ, SENIOR DESIGN ENGINEER
 DATE NOV 16 2004

FILE NO. 214753-EN10-U PROJECT No. 09901-SITS3 REGION 1 DRAWING No. 41DD-DB13-0124 PC

DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/08	ISSUED FOR REVIEW	
B	04/11/08	ISSUED FOR INFORMATION	
C	05/07/08	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

S.P.W. B.C.HYDRO & P.A. R/W
REF. PLAN 6357

S.P.W. B.C.HYDRO & P.A. R/W
REF. PLAN 4242
LOT 5624

UNSURVEYED CROWN LAND

300.000 LT
R 22°10'56"
A 104°3'03"
AD 86.882
ARC 56.117
Es 6.216

Ls 60°5'43'46"

TS 249+139.715

SC 249+199.715

CS 249+259.832

60°5'43'46"

ST 249+315.832

47°43'28"

TS 249+400

249+500

249+600

249+700

249+800

249+900

249+1000

249+1100

249+1200

249+1300

249+1400

249+1500

249+1600

249+1700

249+1800

249+1900

249+2000

249+2100

249+2200

249+2300

249+2400

447.69 m sq

967.29 m sq

HWY No. 99 L-100

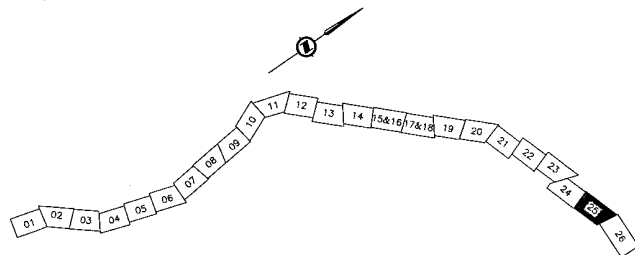
300.000 RT
R 64°31'53"
A 53°04'22"
AD 219.709
ARC 277.890
Es 55.378

UNSURVEYED CROWN LAND

RECONSTRUCT TRAIL HEADS
WHERE INTERSECTED BY NEW HIGHWAY

MATCH LINE TO SHEET 0124

MATCH LINE TO SHEET 0125



SCALE 0 1:1000 50		DESIGNED <u>JA</u> DATE 25/10/22 CHECKED <u>JLM</u> DATE 25/10/22 DRAWN <u>JG</u> DATE 04/10/22 APPROVED <u>JLM</u> DATE 25/11/22	
DBFO - HORSESHOE BAY TO WHISTLER PLAN		DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 249+021.885 TO STA 249+743.996	
Project Managers Hatch Mott MacDonald		Design Consultant uma	
FILE No. 214753-EN10-U		PROJECT No. 09901-ST53 REGION 1 DATE NOV 18 2024 DRAWING No. 41DD-DB13-0125 PC	

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/22	ISSUED FOR INFORMATION	
		C	05/01/22	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

NOV 2024 FILE NO.

MATCH LINE TO SHEET 0125

S.R.M. SCHWED & PA 9/71
REF. PLAN 1248
LOT 3624

LMS 2127
LOT 4119

B.C. RAILWAY R/W
REF. PLAN 1405
LOT 4361

LMP 42658

LMP 40154

D.L. 174

CROWN LAND
LMP 40154

R
Δ
Δc
AD
ARC
Es
260.000 LT
41'03'05"
25'37'32"
132.616
116.286
18.463

B.C. RAILWAY R/W
REF. PLAN 1405
LOT 4361

D.L. 1902

S.T.L. 45719
CROWN LAND

LS 70' 742'46"

ST 250+135.142

CS 250+065.142

SC 249+948.855

LS 70' 742'46"

TS 249+878.855

MSE WALL

MSE WALL

249+800

249+900

248+800

LS 60' 5'43'46"

HWY No. 99 L-100

RECONSTRUCT TRAIL HEADS
WHERE INTERSECTED BY NEW HIGHWAY.

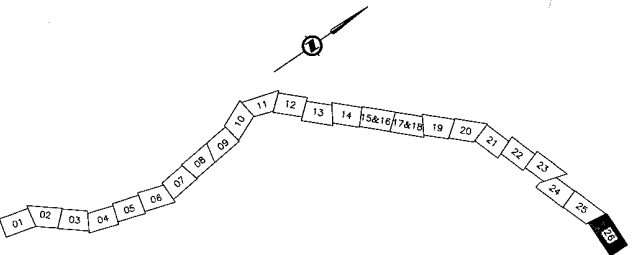
PI 250+007.987

WORK BY OTHERS

LIMIT OF CONSTRUCTION
POT 250+283.112

LIMIT OF DB13

UNSURVEYED CROWN LAND



SRS
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED AA DATE 04/02/08
CHECKED MEM DATE 04/09/08
DRAWN JRE DATE 04/10/08
APPROVED MEM DATE 04/11/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PLAN

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 249+743.996 TO STA 250+283.112

DWG. No.	Description	Rev	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/14		ISSUED FOR INFORMATION	
C		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

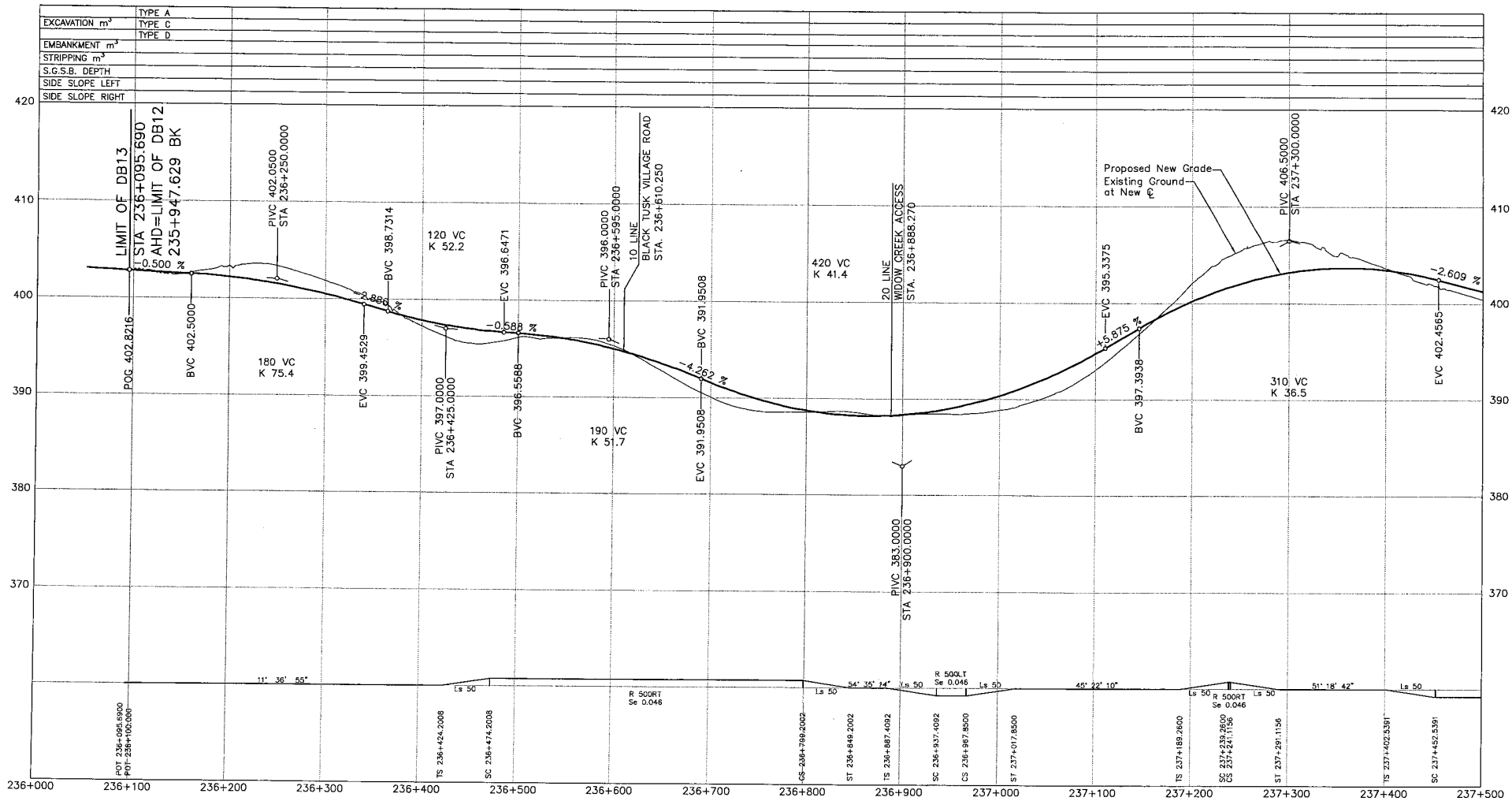
PREPARED UNDER THE DIRECTION OF:
M. METZ
SENIOR DESIGN ENGINEER
DATE: NOV. 16, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0126

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 236+095.690 TO STA 237+500

SCALE AS SHOWN	DESIGNED: J.M.E. DATE: 04/25/08	CHECKED: M.E.M. DATE: 04/25/08
	DRAWN: M.E.M. DATE: 04/25/08	APPROVED: M.E.M. DATE: 04/21/08

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW		04/10/08		
B	ISSUED FOR INFORMATION		04/11/08		
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/08		

Project Managers
Hatch Mott MacDonald

Design Consultant
uma

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 18 2004
DRAWING NO.
41DD-DB13-0201

FILE No. 214753-EN10-U

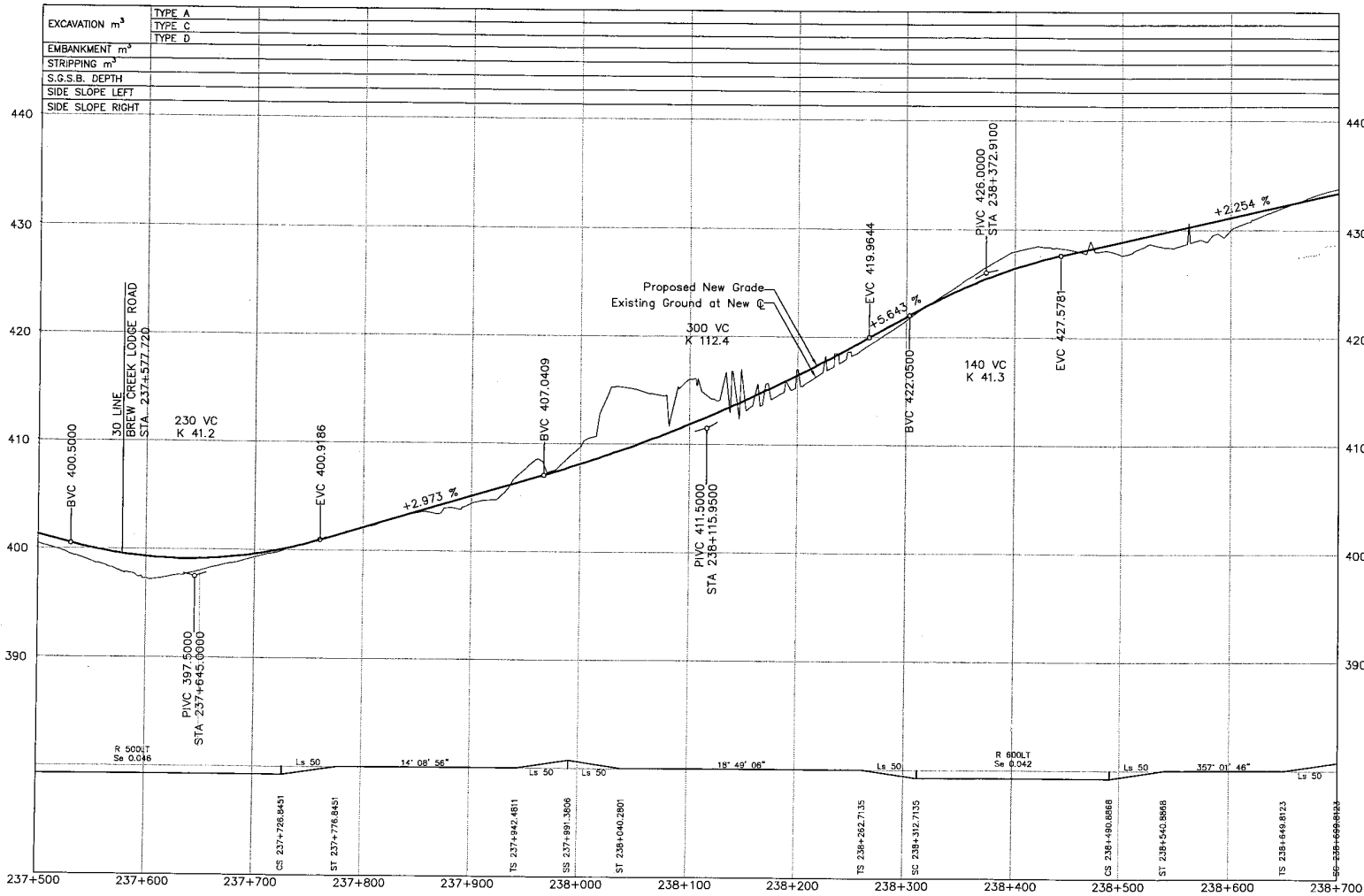
PROJECT No. 09901-ST53

REVISION 1

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: J.M./J.C. DATE: 04/20/28
 CHECKED: M.M. DATE: 04/20/28
 DRAWN: J.M./J.C. DATE: 04/20/28
 APPROVED: M.M. DATE: 04/21/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 237+500 TO STA 238+700

DWG. No.	Description	Rev	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/18		ISSUED FOR INFORMATION	
C		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **UMA**

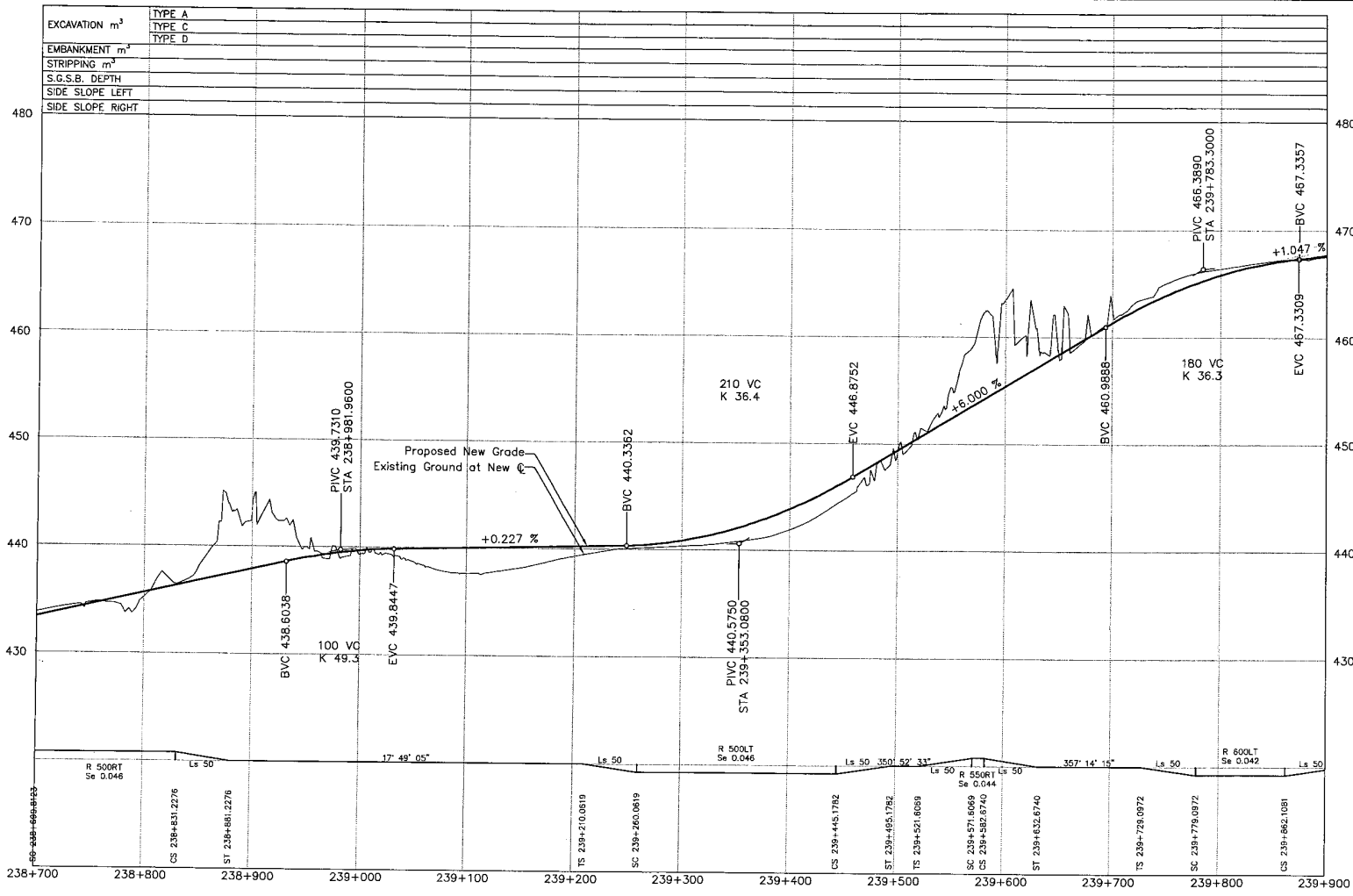
PREPARED UNDER THE DIRECTION OF
 M. HERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 18 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-S3S
 REGION 1
 DRAWING No. 41DD-DB13-0202 PC

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



EXCAVATION m ³	TYPE A
	TYPE C
	TYPE D
EMBANKMENT m ³	
STRIPPING m ³	
S.G.S.B. DEPTH	
SIDE SLOPE LEFT	
SIDE SLOPE RIGHT	

DESIGN SPEED 80km/h

TRANSPORTATION GROUP

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

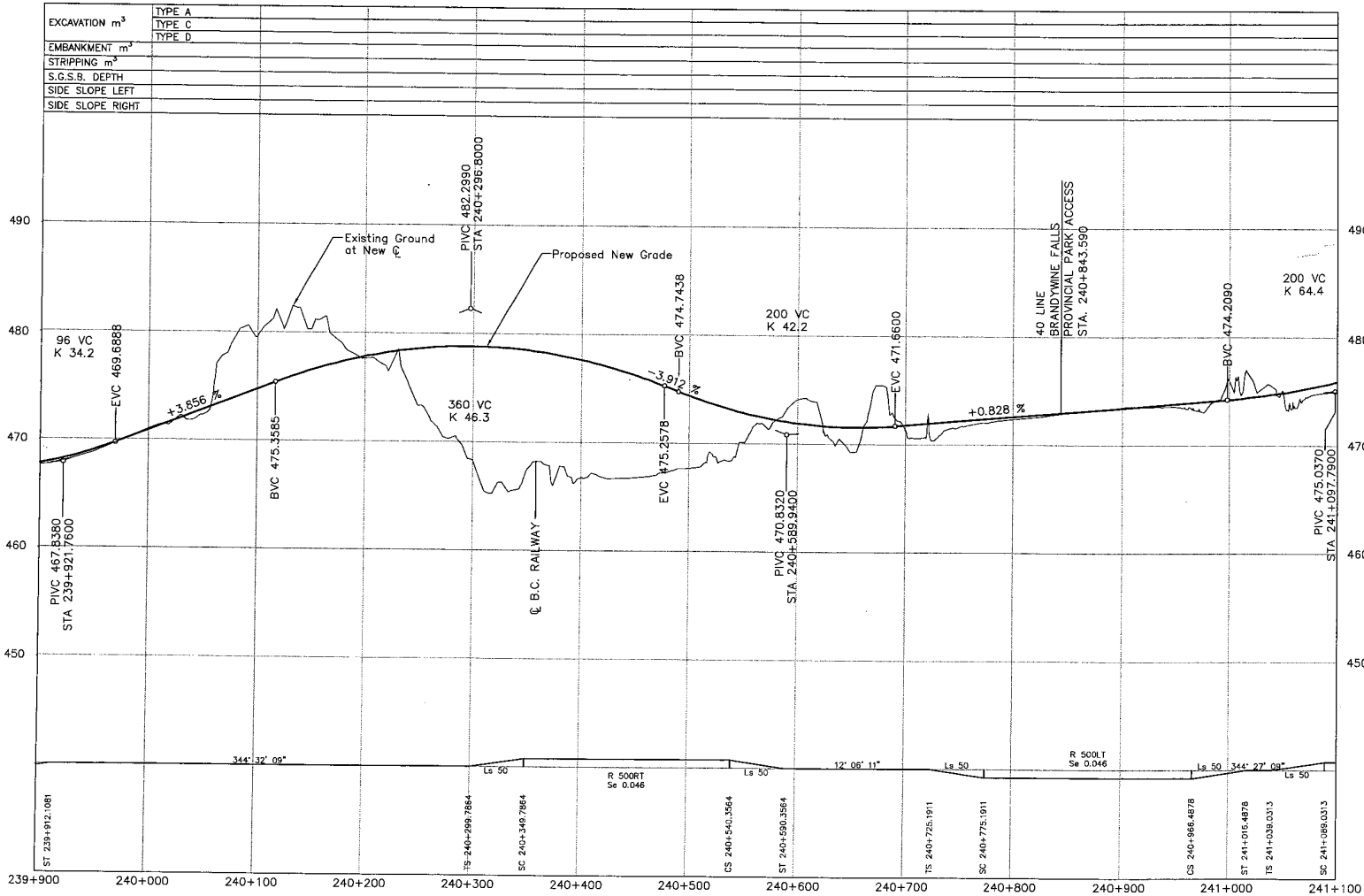
DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 238+700 TO STA 239+900

SCALE AS SHOWN	DESIGNED: JAV/SK DATE: 24/10/08 CHECKED: JMF DATE: 24/10/08 DRAWN: JMS/RS DATE: 24/10/08 APPROVED: JMF DATE: 24/11/08	PREPARED UNDER THE DIRECTION OF M. MERTZ SENIOR DESIGN ENGINEER DATE: NOV 18 2004 DRAWING NO.
Project Managers 		Design Consultant
FILE No. 214753-EN10-U		PROJECT No. 1 REGION 1 DRAWING No. 41DD-DB13-0203 [pc]

REV	DATE	DESCRIPTION	SIGNATURE
A	04/10/22	ISSUED FOR REVIEW	
B	04/11/14	ISSUED FOR INFORMATION	
C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS



EXCAVATION m ³	TYPE A
	TYPE C
	TYPE D
EMBANKMENT m ³	
STRIPPING m ³	
S.G.S.B. DEPTH	
SIDE SLOPE LEFT	
SIDE SLOPE RIGHT	

DESIGN SPEED 80km/h

SZS TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: M.M. DATE: 08/26/03
 CHECKED: M.M. DATE: 09/18/03
 DRAWN: M.M./S.S./A. DATE: 09/18/03
 APPROVED: M.M. DATE: 04/11/04

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 239+900 TO STA 241+100

DWG. No.	Description	Rev	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/14		ISSUED FOR INFORMATION	
C		05/01/14		ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 M. MERTZ
 SENIOR DESIGN ENGINEER

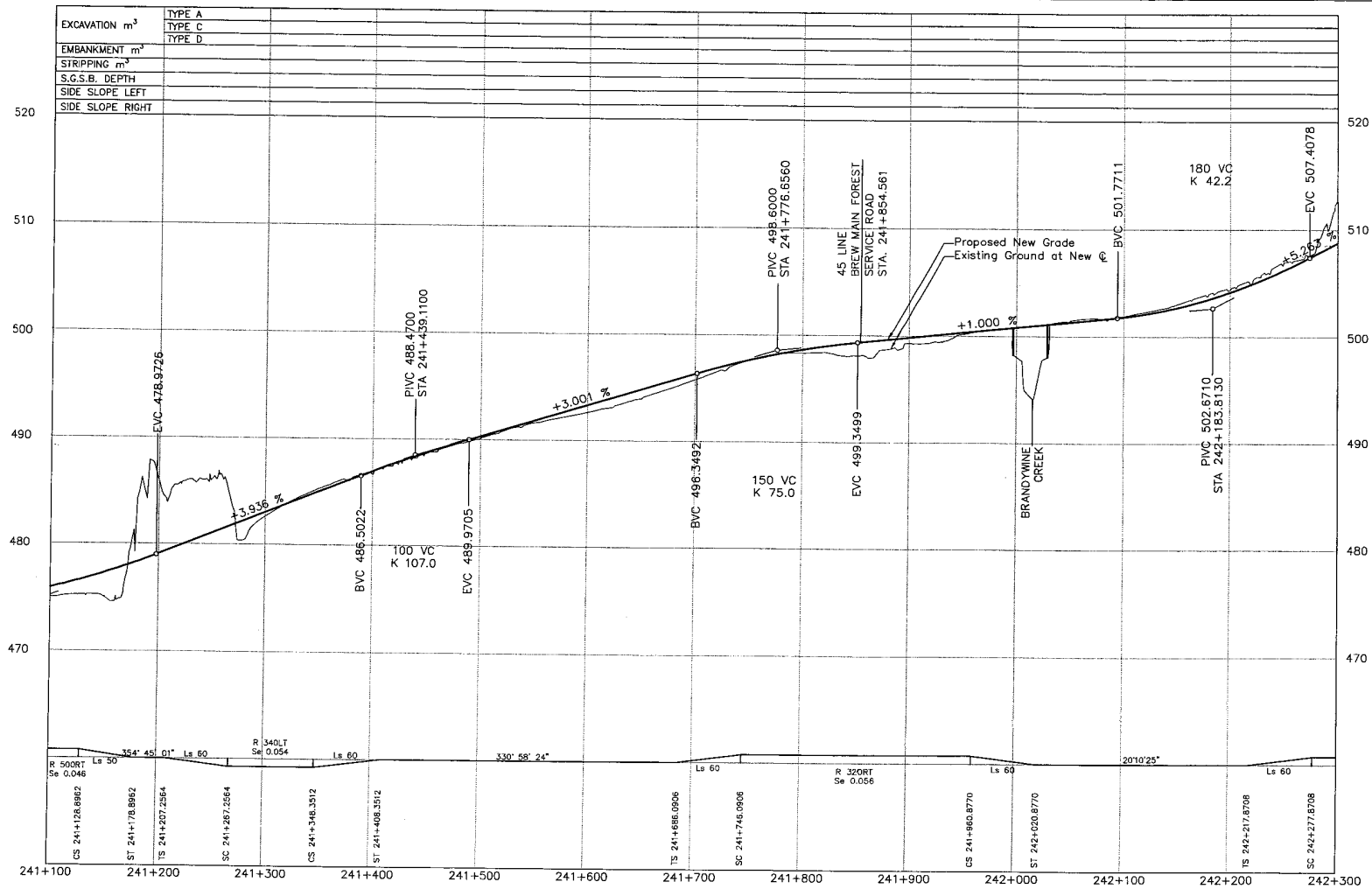
DATE: NOV 16 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB13-0204 [PC]

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

SCALE AS SHOWN	DESIGNED	AA/BC	DATE	04/05/08
	CHECKED	MLM	DATE	04/10/13
	DRAWN	ARS/SC	DATE	04/13/13
	APPROVED	MLM	DATE	04/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
PROFILE

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 241+100 TO STA 242+300

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MEYER
SENIOR DESIGN ENGINEER
DATE NOV 16 2004

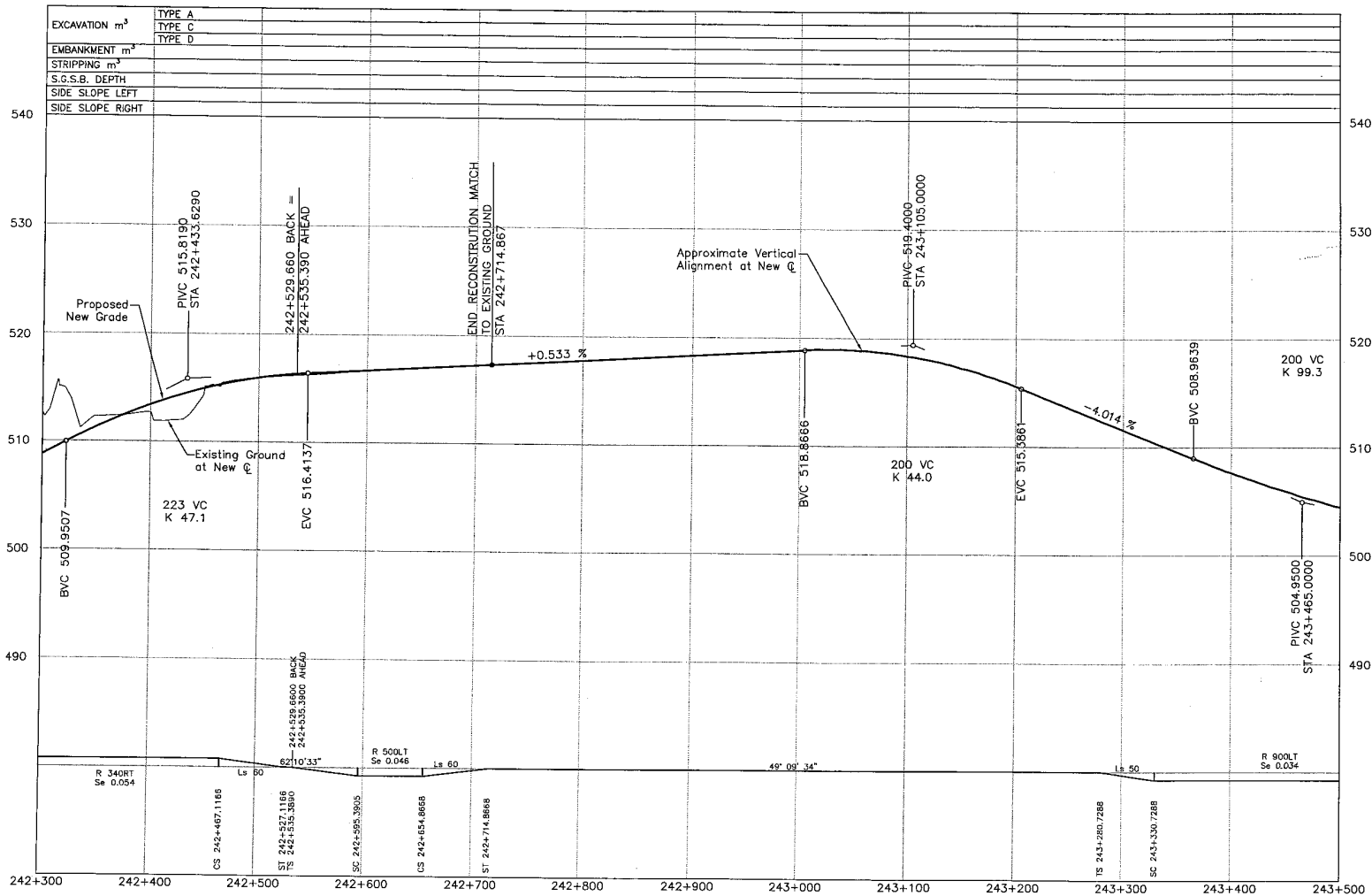
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PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB13-0205 [PC]

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

DESIGNED: J.M.P.C. DATE: 24/10/28
 CHECKED: J.M. DATE: 24/10/25
 DRAWN: J.B.C./R.C. DATE: 24/10/25
 APPROVED: M.M. DATE: 24/11/16

SCALE AS SHOWN

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 242+300 TO STA 243+500

DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/22	ISSUED FOR REVIEW	
		B	24/11/16	ISSUED FOR INFORMATION	
		C	25/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

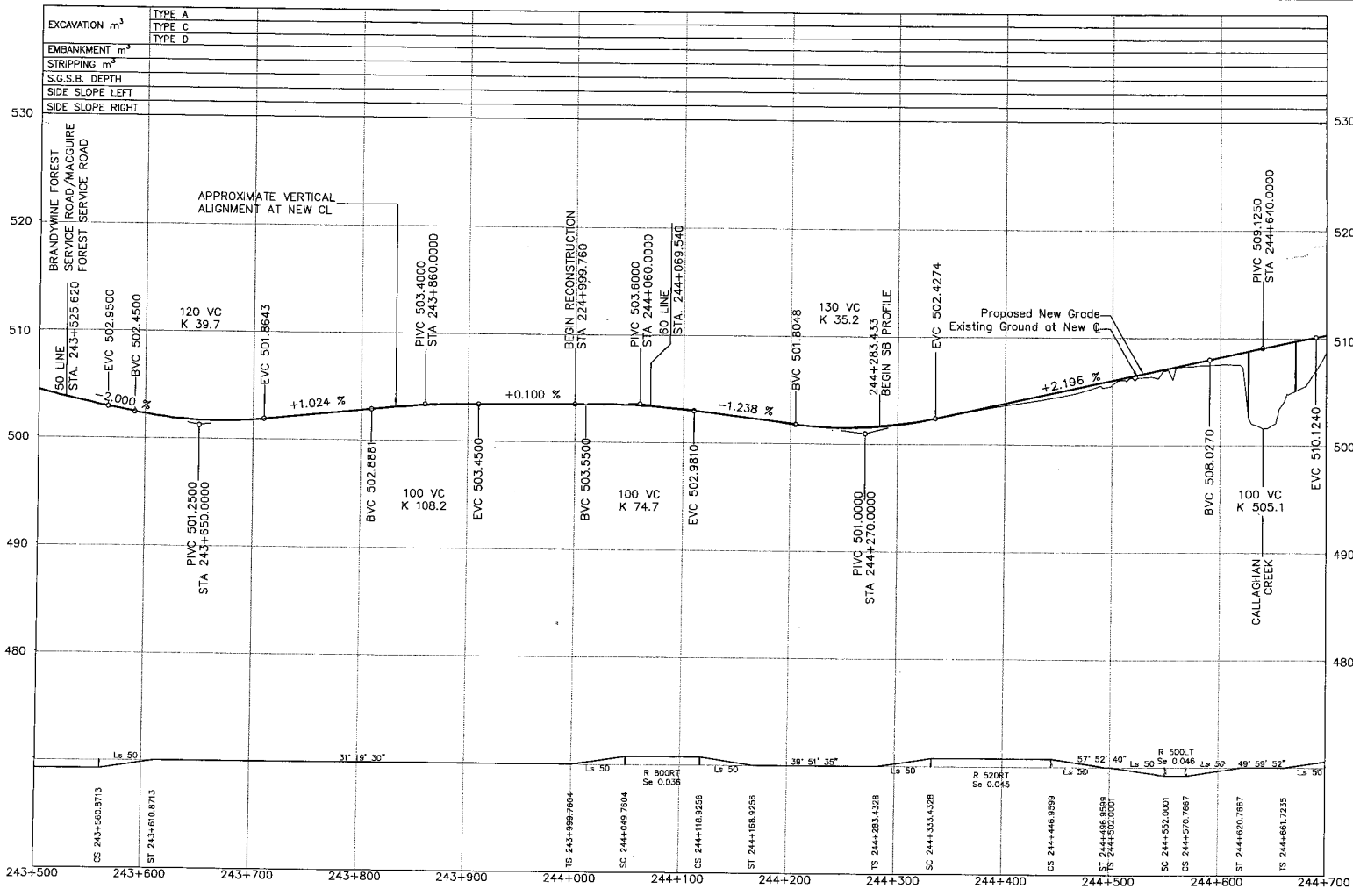
Design Consultant: **UMA**

PREPARED UNDER THE DIRECTION OF:
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE: NOV 15 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REVISION 1
 DRAWING No. 41DD-DB13-0206 [PC]

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER




DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/22	ISSUED FOR REVIEW	
		B	24/11/16	ISSUED FOR INFORMATION	
		C	25/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

Rev	Date	Description	Signature

REVISIONS



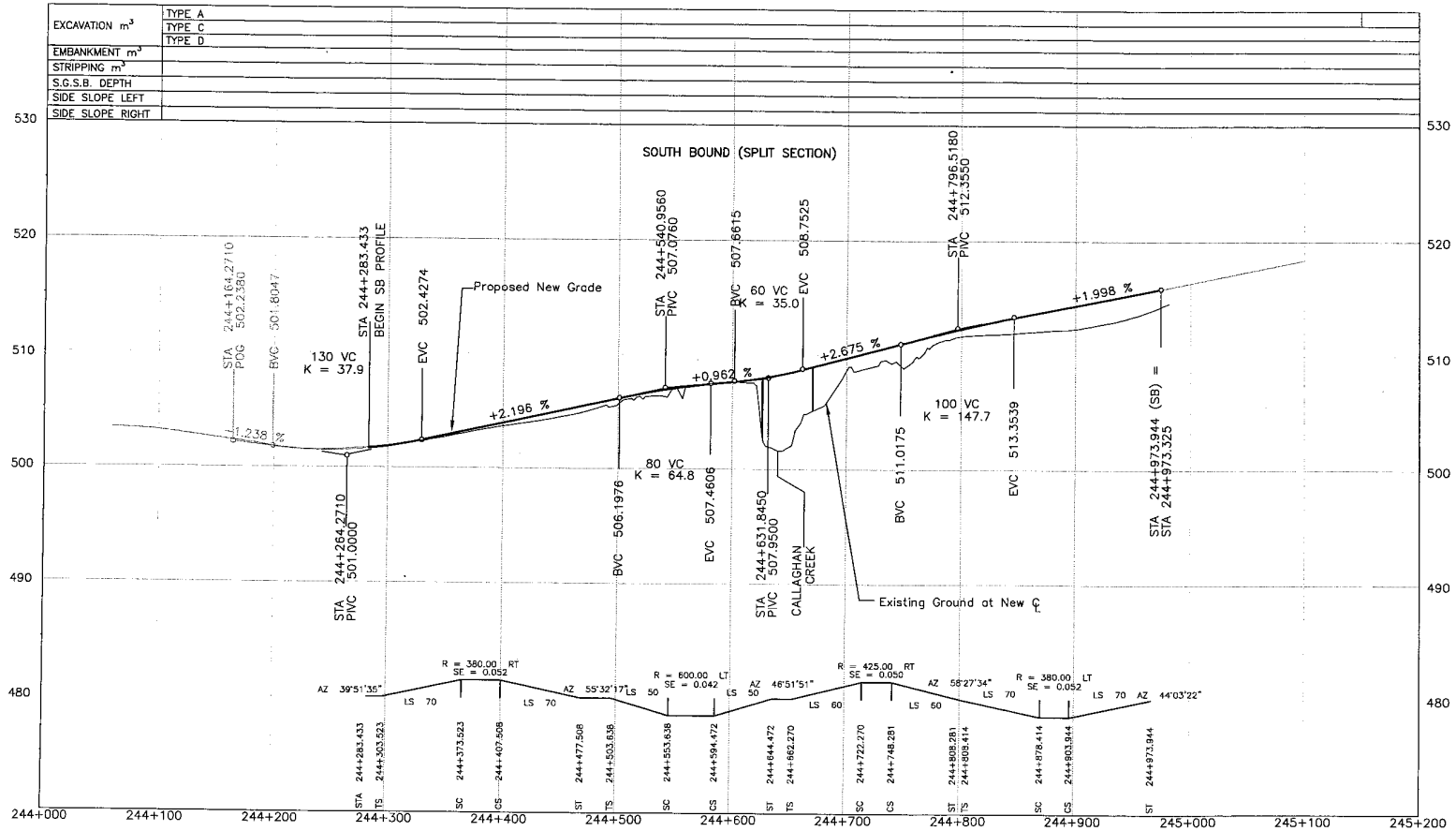
MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

**DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 243+500 (NB) TO STA 244+700 (NB)**

<p>DESIGNED: JAJ/SE DATE: 24/10/22</p> <p>CHECKED: MAM DATE: 24/10/25</p> <p>DRAWN: JMS/RS DATE: 24/10/25</p> <p>APPROVED: MAM DATE: 04/11/25</p>	<p>Project Managers Hatch Mott MacDonald</p> <p>Design Consultant uma</p> <p>FILE No. 214753-EN10-U</p>	<p>PREPARED UNDER THE DIRECTION OF M. HERTZ SENIOR DESIGN ENGINEER</p> <p>DATE: NOV 18 2024</p> <p>DRAWING No. 09901-ST53 1 41DD-DB13-0207 PC</p>
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(PAPER) POINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED	AA/PC	DATE	04/20/21
CHECKED	MM	DATE	04/28/21
DRAWN	AS/PC	DATE	04/28/21
APPROVED	MM	DATE	04/21/21

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER PROFILE

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 244+283.433 (SB) TO STA 243+973.944 (SB)

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. WERTZ
SENIOR DESIGN ENGINEER
DATE NOV 18 2024

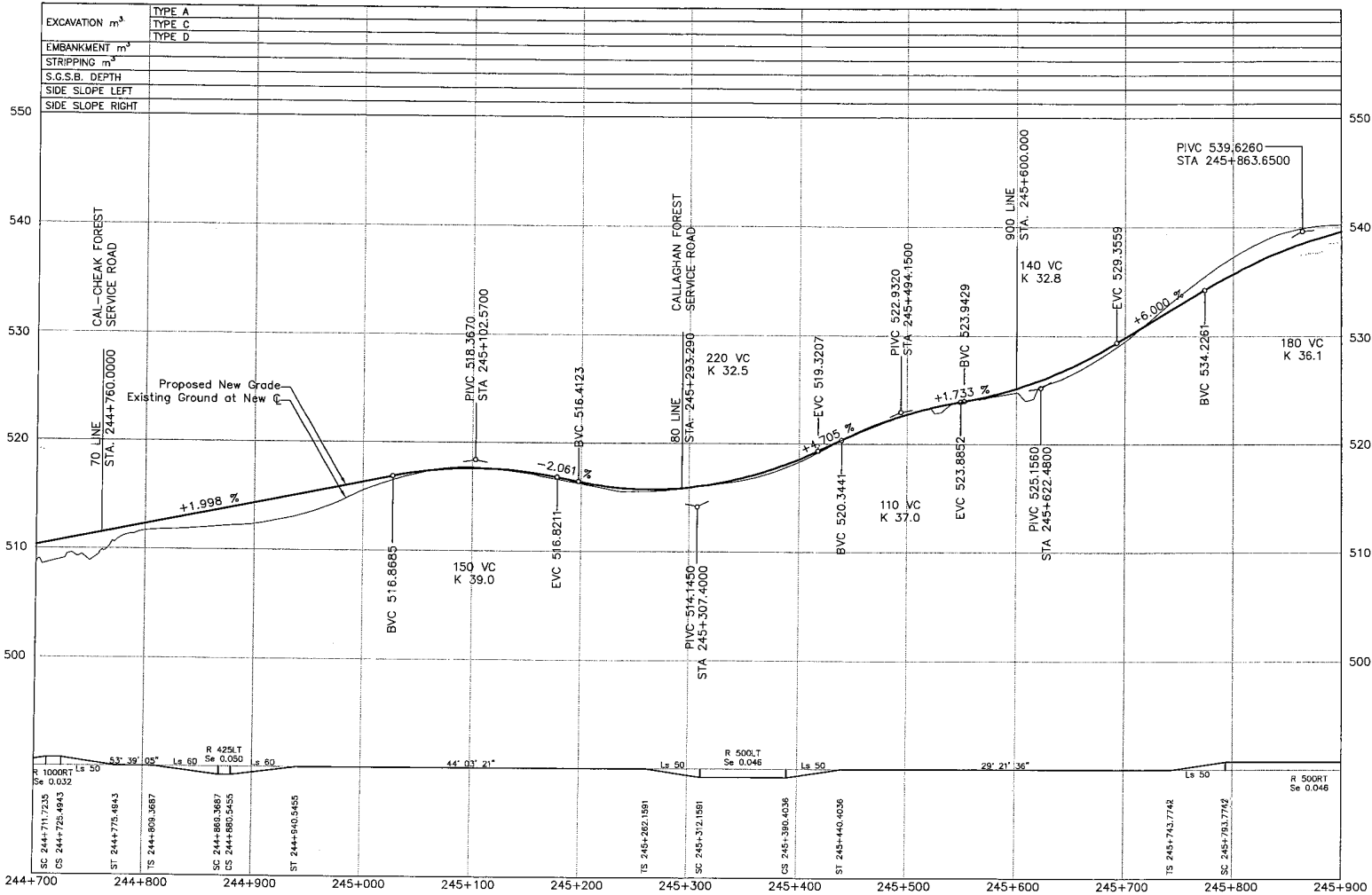
PROJECT No. 214753-EN10-U REGION 1 DRAWING No. 41DD-DB13-0208 | PC

DWG. No.	Description	Rev.	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/16		ISSUED FOR INFORMATION	
C		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: J.A./C. DATE: 24/10/08
 CHECKED: M.M. DATE: 24/10/08
 DRAWN: J.A.S./S. DATE: 24/10/08
 APPROVED: M.M. DATE: 24/11/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 244+700 (NB) TO STA 245+900 (NB)

DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/08	ISSUED FOR REVIEW	
		B	24/11/08	ISSUED FOR INFORMATION	
		C	25/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

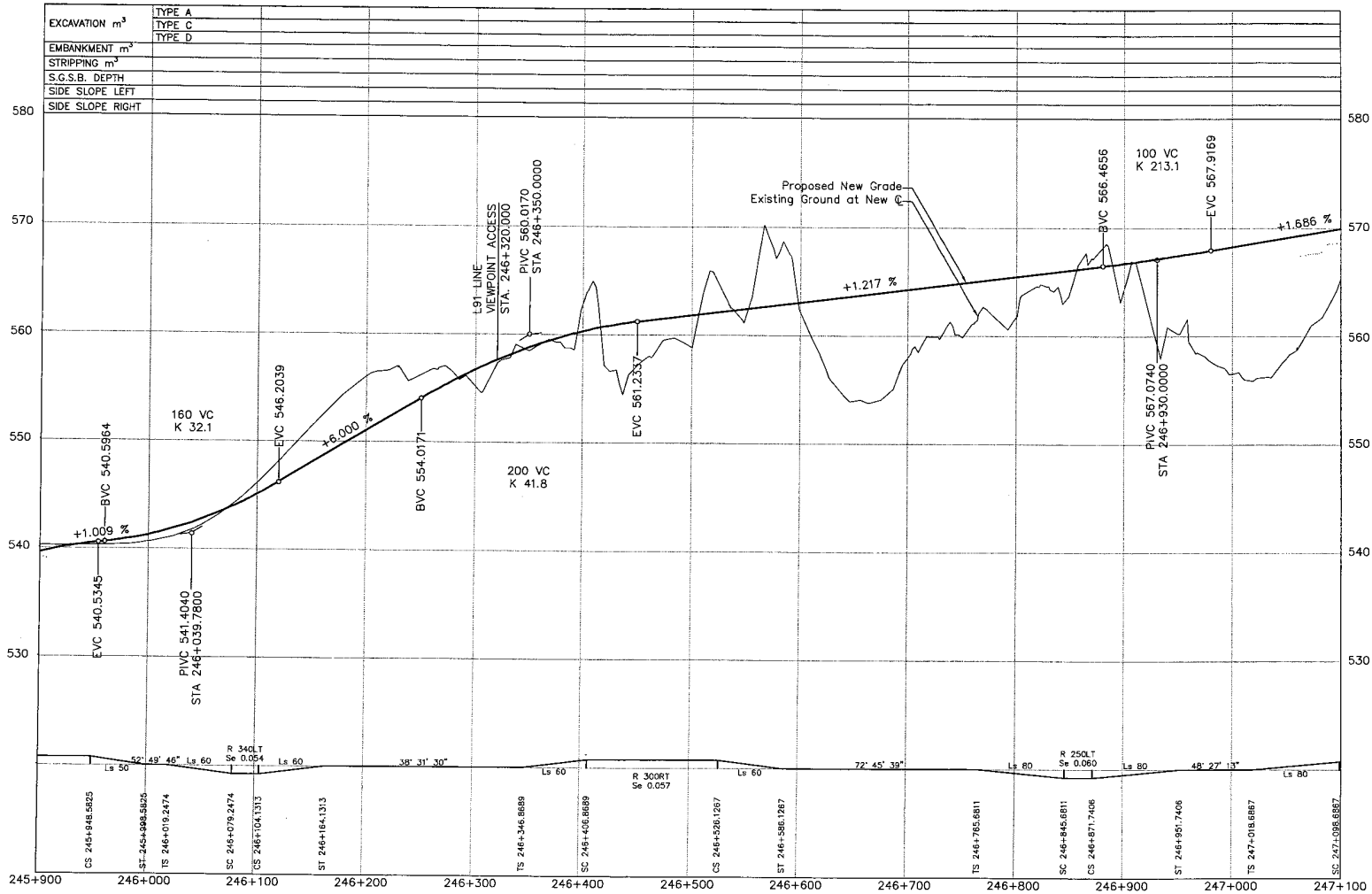
PREPARED UNDER THE DIRECTION OF:
 M. HERTZ
 SENIOR DESIGN ENGINEER
 DATE: NOV 16 2004

FILE No.: 214753-EN10-U
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB13-0209 | PC

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: J.A./P.C. DATE: 04/10/22
 CHECKED: M.L.M. DATE: 04/10/22
 DRAWN: A.R.S./B.S. DATE: 04/10/22
 APPROVED: M.L.M. DATE: 04/11/22

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

**DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 245+900 TO STA 247+100**

DWG. No.	Description	Rev	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/22		ISSUED FOR INFORMATION	
C		05/01/22		ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF: **M. MERTZ**
 SENIOR DESIGN ENGINEER

DATE: MAY 18, 2024

FILE No.: **214753-EN10-U**

PROJECT No.: **1**

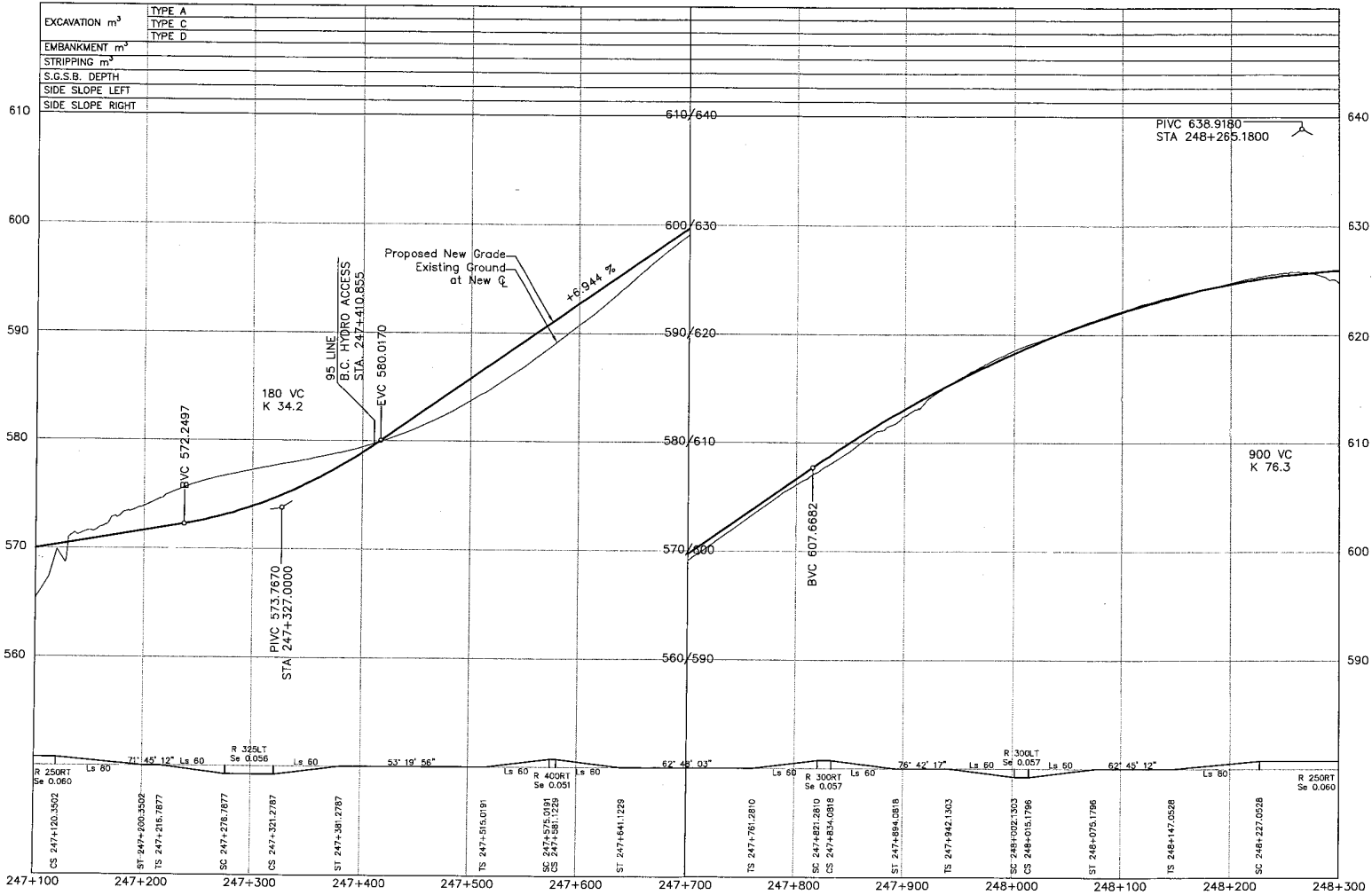
REGION: **41DD-DB13-0210**

DRAWING No.: **PC**

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

Rev	Date	Description	Signature
A	04/10/22	ISSUED FOR REVIEW	
B	04/11/16	ISSUED FOR INFORMATION	
C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

S2S TRANSPORTATION GROUP
 SCALE AS SHOWN
 DESIGNED: J.A./P.C. DATE: 08/26/08
 CHECKED: M.M. DATE: 08/28/08
 DRAWN: J.M.S./P.C./A. DATE: 08/28/08
 APPROVED: M.M. DATE: 04/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO – HORSESHOE BAY TO WHISTLER PROFILE
DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 247+100 TO STA 248+300

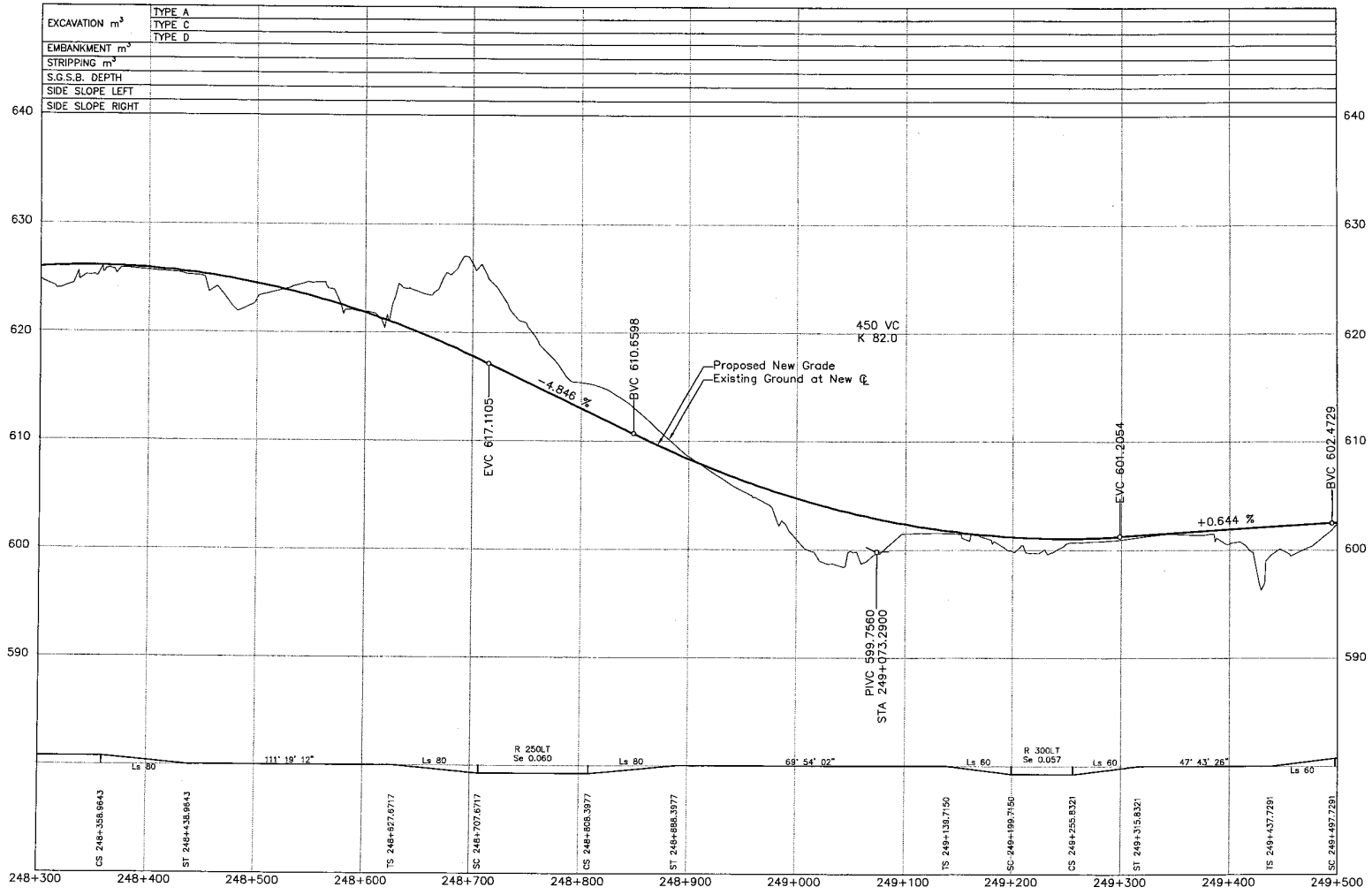
Project Managers: Hatch Mott MacDonald
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. MERTZ, SENIOR DESIGN ENGINEER
 DATE: NOV 18 2004
 FILE NO.: 214753-EN10-U
 PROJECT NO.: 09901-ST53
 REGION: 1
 DRAWING NO.: 41DD-DB13-0211 PC

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



EXCAVATION m ³	TYPE A
	TYPE C
	TYPE D
EMBANKMENT m ³	
STRIPPING m ³	
S.G.S.B. DEPTH	
SIDE SLOPE LEFT	
SIDE SLOPE RIGHT	

DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED MJC DATE 04/10/22
 CHECKED MJM DATE 04/10/22
 DRAWN ASG/TC DATE 04/18/22
 APPROVED MJM DATE 04/17/22

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PROFILE

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 248+300 TO STA 249+500

Rev	Date	Description	Signature
A	04/10/22	ISSUED FOR REVIEW	
B	04/11/22	ISSUED FOR INFORMATION	
C	05/01/22	ISSUED FOR PROPOSAL SUBMISSION	

Rev	Date	Description	Signature

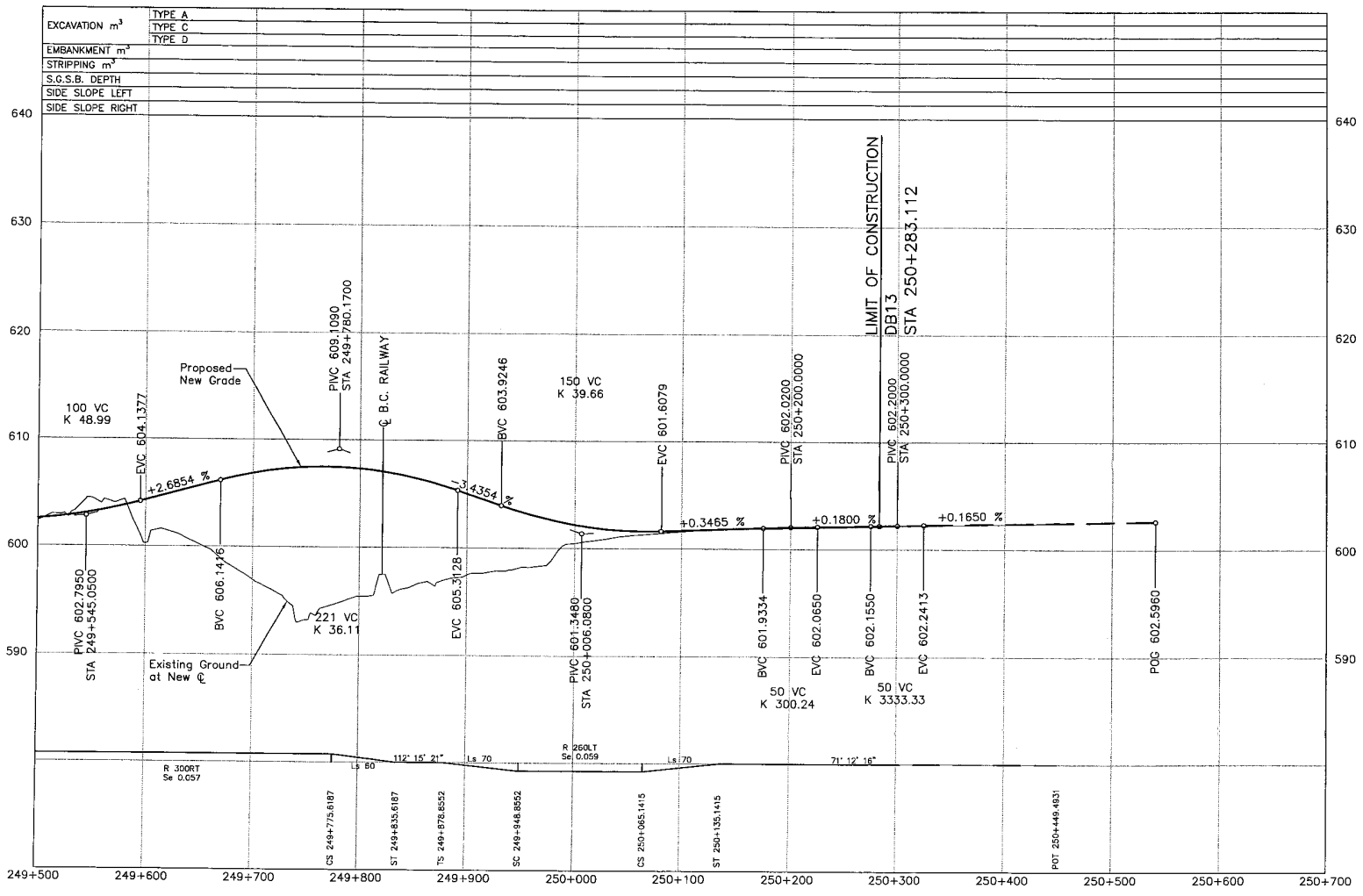
Project Managers: Hatch Mott MacDonald
 Design Consultant: UMA

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST3
 REGION 1
 DRAWING No. 41DD-DB13-0212 PC

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



DESIGN SPEED 80km/h

S2S TRANSPORTATION GROUP

SCALE AS SHOWN

DESIGNED: M.J.S. DATE: 08/28/28
 CHECKED: M.M. DATE: 08/28/28
 DRAWN: M.S./S.C. DATE: 08/28/28
 APPROVED: M.M. DATE: 24/21/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER PROFILE

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 249+500 TO STA 250+283.112

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/14	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **UMA**

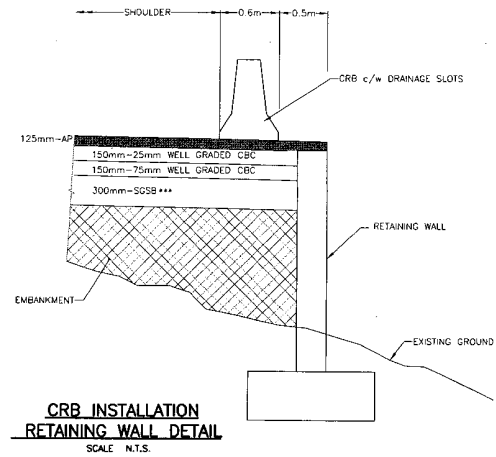
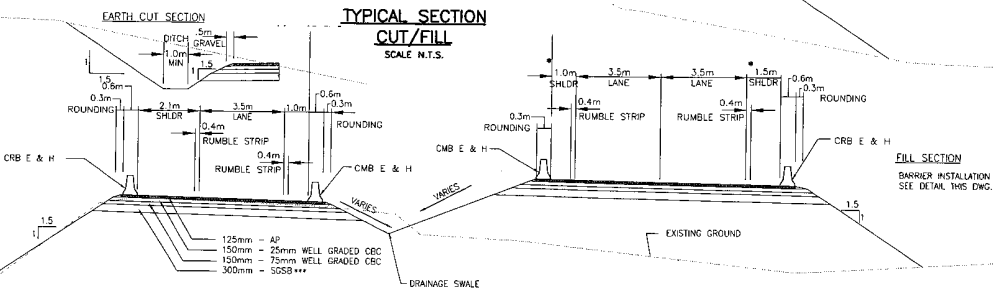
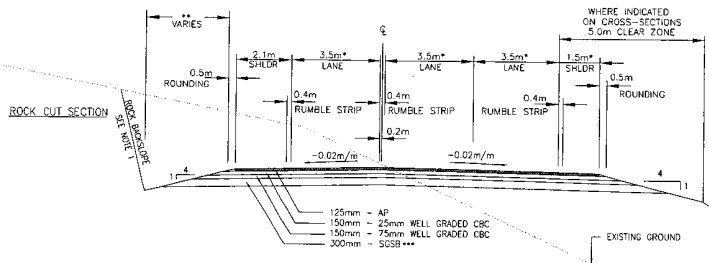
PREPARED UNDER THE DIRECTION OF
 M. HERTZ
 SENIOR DESIGN ENGINEER
 DATE: NOV 15 2024

FILE No.: 214753-EN10-U
 PROJECT No.: 09901-ST53
 REGION: 1
 DRAWING No.: 41DD-DB13-0213 PC

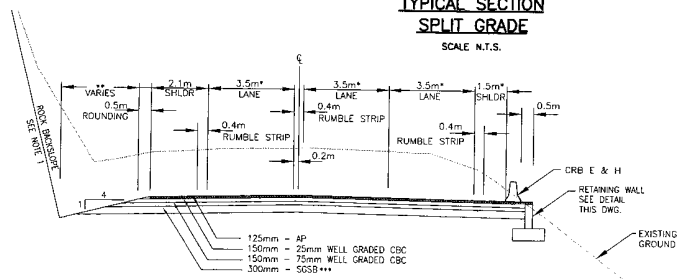
REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

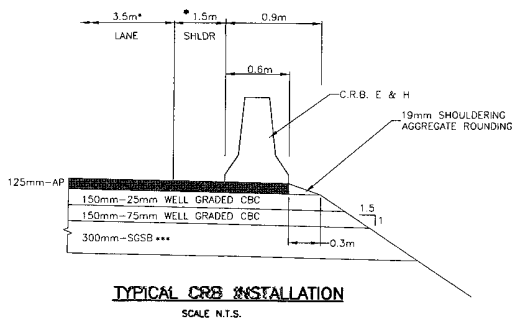


TYPICAL SECTION SPLIT GRADE
SCALE N.T.S.

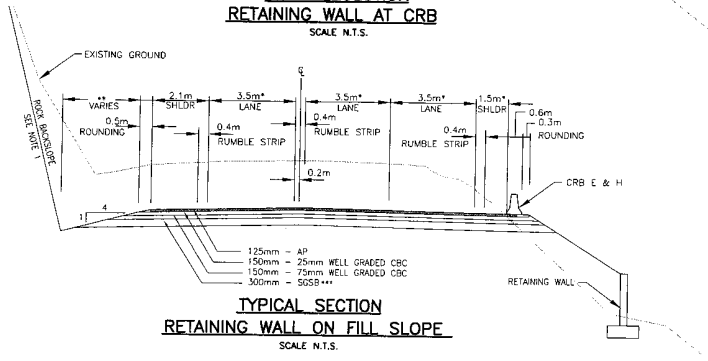


CUT ANGLE	SLOPE HEIGHT (m)	CATCHMENT WIDTH (m)
0.25H : 1	0-8	3
	8-16	4
	>16	5
0.333 & 0.5H : 1	0-6	3
	6-12	4
	>12	5

- NOTES**
- MINIMUM WIDTH (SEE GEOMETRICS & LANING DRAWINGS FOR DETAILS)
 - CATCHMENT WIDTHS
 - USE SGSB LAYER IN TYPE D CUT AND FILL SECTIONS ONLY.
1. ROCK BACKSLOPE ANGLE MAY VARY FROM THE 0.17:1 TO 0.33:1 AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN DETAILED DESIGN.



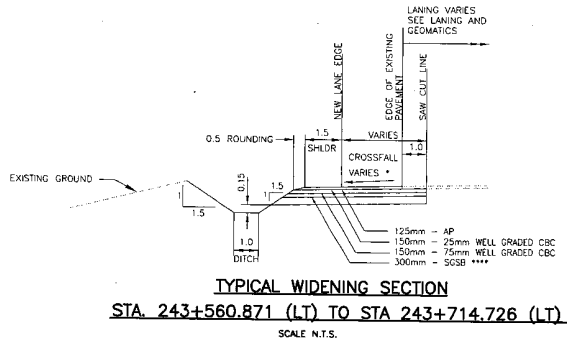
TYPICAL SECTION RETAINING WALL AT CRB
SCALE N.T.S.



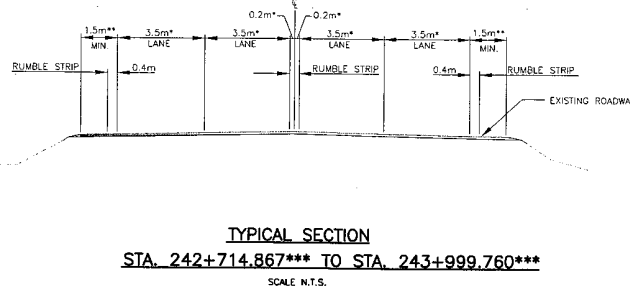
	SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS		
DB13 - NORTH GARIBALDI CD2 TO FUNCTION JUNCTION		
PROJECT No. 214753-EN10-U REGION 1	PROJECT No. 09901-ST53 REGION 1	DRAWING No. 41DD-DB13-0301 PC

DWG. No.	Description	Rev	Date	Description	Signature
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		B	04/11/22	ISSUED FOR INFORMATION	
		C	05/01/22	ISSUED FOR PROPOSAL SUBMISSION	

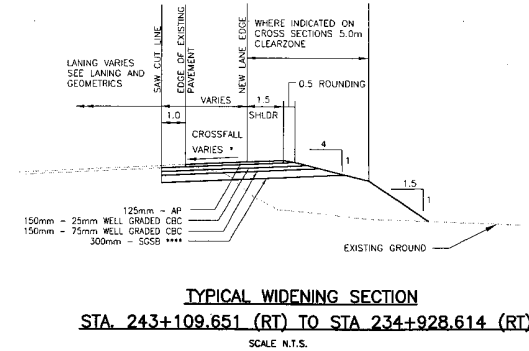
REFERENCE DRAWINGS REVISIONS



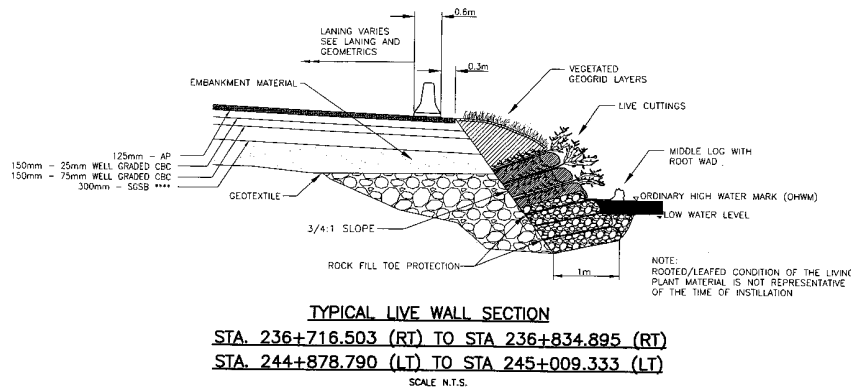
* CROSS FALL TO MATCH EXISTING CROSS FALL



- * VARIES, SEE LANING & GEOMETRICS
- ** VARIES TO MATCH EXISTING PAVEMENT WIDTH
- *** EXCEPT WHERE WIDENING IS REQUIRED, SEE WIDENING TYPICAL SECTIONS



* CROSS FALL TO MATCH EXISTING CROSS FALL

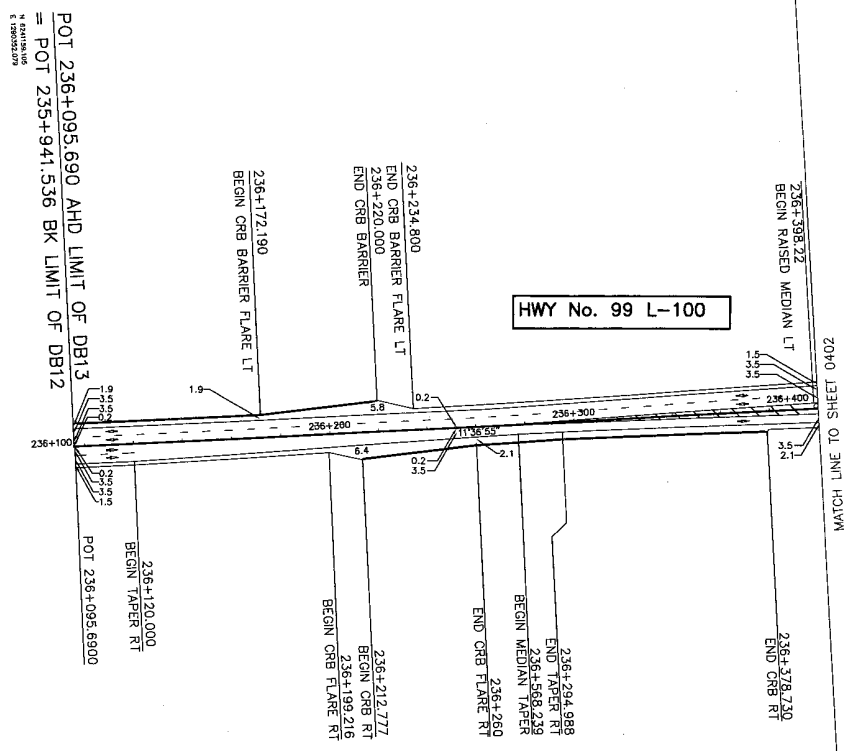


NOTES
 **** USE SCSB LAYER IN TYPE D CUT AND FILL SECTIONS ONLY.

	DESIGNED <u>AA/PC</u> DATE <u>24/10/08</u> CHECKED <u>MM</u> DATE <u>24/10/08</u> DRAWN <u>ASD/PS</u> DATE <u>24/10/08</u> APPROVED <u>MM</u> DATE <u>24/11/15</u>		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION											
	SCALE	PROJECT No. 09901-ST3 REGION 1		PREPARED UNDER THE DIRECTION OF HATCH MOTT MACDONALD SENIOR DESIGN ENGINEER DATE <u>NOV 16 2004</u> DRAWING No. 41DD-0813-0302										
<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>04/11/14</td> <td>ISSUED FOR INFORMATION</td> <td></td> </tr> <tr> <td>B</td> <td>05/01/16</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>	Rev	Date	Description	Signature	A	04/11/14	ISSUED FOR INFORMATION		B	05/01/16	ISSUED FOR PROPOSAL SUBMISSION		PROJECT No. 214753-EN10-U REGION 1	DRAWING No. 41DD-0813-0302
Rev	Date	Description	Signature											
A	04/11/14	ISSUED FOR INFORMATION												
B	05/01/16	ISSUED FOR PROPOSAL SUBMISSION												

REFERENCE DRAWINGS

REVISIONS



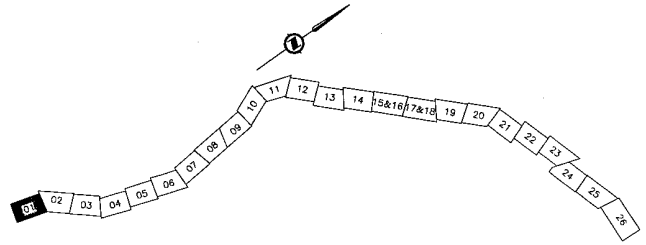
HWY No. 99 L-100

MATCH LINE TO SHEET 0402

POT 236+095.690 AHD LIMIT OF DB13
 = POT 235+941.536 BK LIMIT OF DB12

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SRS
 TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A. DATE: 04/10/22
 CHECKED: M.M. DATE: 04/10/22
 DRAWN: R.S. DATE: 04/10/22
 APPROVED: M.M. DATE: 04/11/16

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 236+095.690 TO STA 236+400

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**

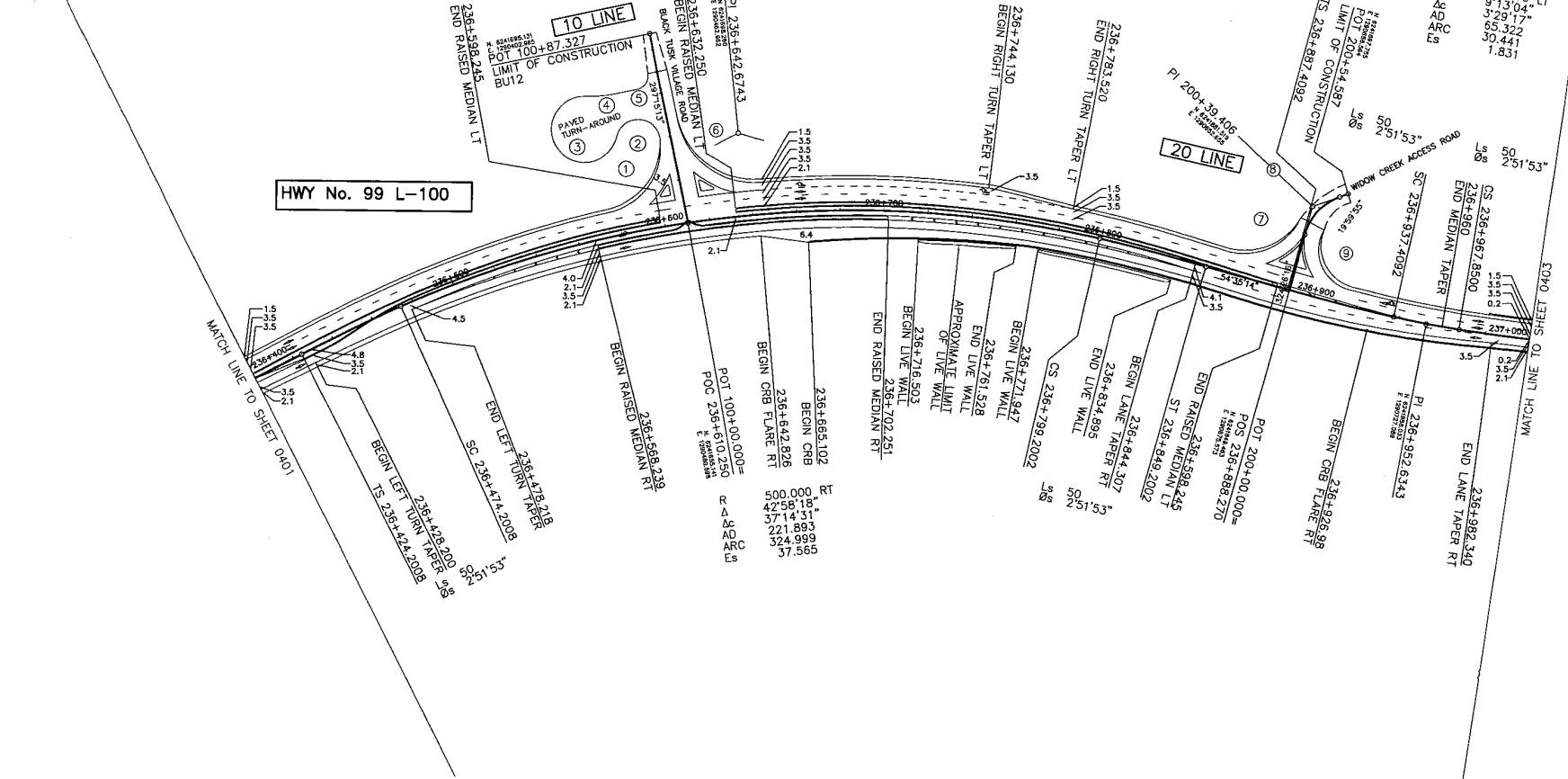
PREPARED UNDER THE DIRECTION OF:
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV. 16 2024

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB13-0401 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

①	②	③	④	⑤	⑥
R 32.00	R 10.00	R 15.00	R 50.00	R 6.00	R 37.00
Δ 88°54'40"	Δ 165°58'38"	Δ 260°13'20"	Δ 14°39'26"	Δ 89°23'58"	Δ 83°06'55"
ARC 49.66	ARC 28.97	ARC 68.13	ARC 12.79	ARC 9.36	ARC 53.67

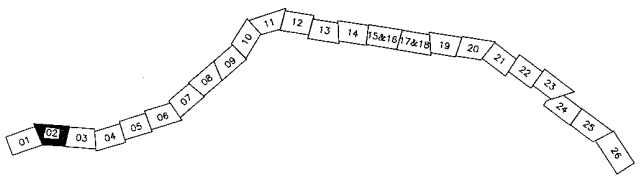
⑦	⑧	⑨
R 30.50	R 25.00	R 19.50
Δ 78°19'04"	Δ 50°58'39"	Δ 96°10'53"
ARC 41.69	ARC 22.24	ARC 32.73



HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW	1	04/19/22		
B	ISSUED FOR INFORMATION	2	04/11/16		
C	ISSUED FOR PROPOSAL SUBMISSION	3	05/01/16		

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 236+400 TO STA 237+000

Project Manager: **Hatch Mott MacDonald**
Design Consultant: **uma**

FILE No. 214753-EN10-U
PROJECT No. 09901-ST53
RECORD 1
DRAWING No. 41DD-DB13-0402 PC

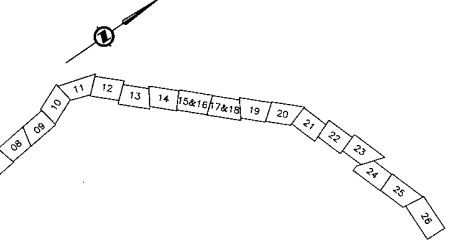
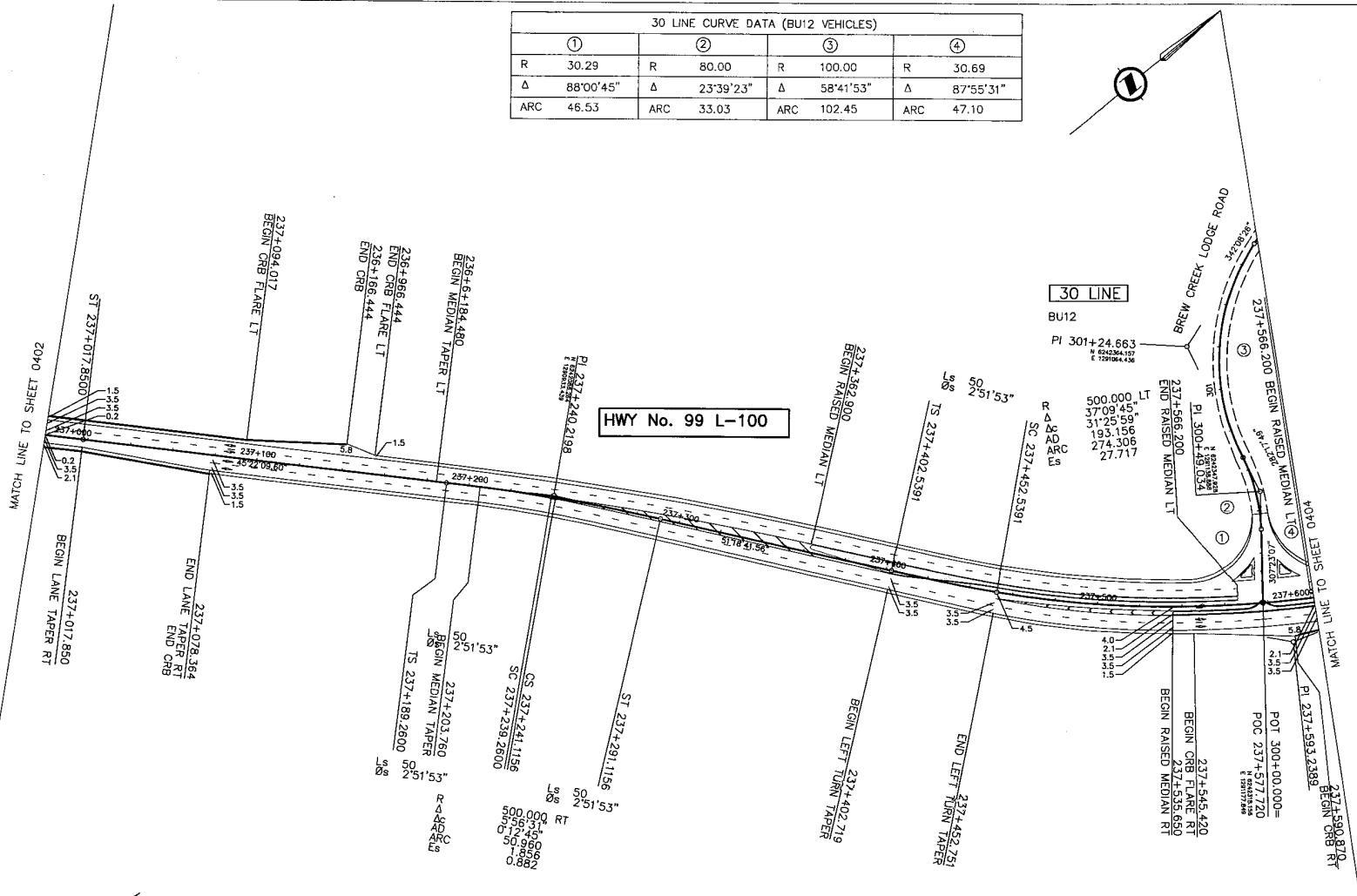
PREPARED UNDER THE DIRECTION OF
M. WERTZ
SENIOR DESIGN ENGINEER
DATE NOV 18 2004

REFERENCE DRAWINGS

REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER

30 LINE CURVE DATA (BU'2 VEHICLES)			
①	②	③	④
R 30.29	R 80.00	R 100.00	R 30.69
Δ 88°00'45"	Δ 23°39'23"	Δ 58°41'53"	Δ 87°55'31"
ARC 46.53	ARC 33.03	ARC 102.45	ARC 47.10



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

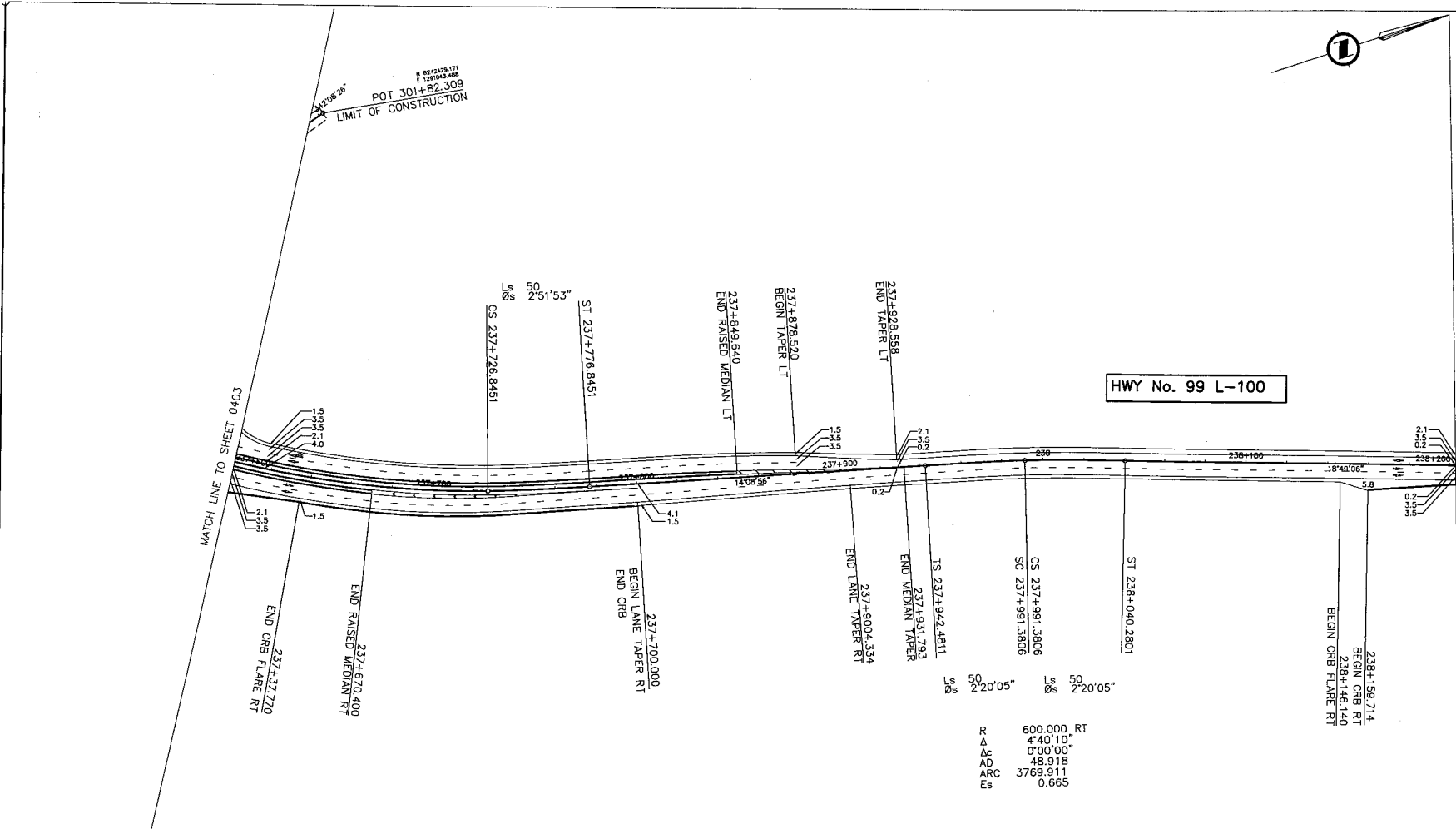
REFERENCE DRAWINGS REVISIONS

S2S TRANSPORTATION GROUP
SCALE 0 1:1000 50
DESIGNED: JA DATE: 04/10/08
CHECKED: JCM DATE: 04/10/08
DRAWN: RS DATE: 04/10/08
APPROVED: JAM DATE: 04/11/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 237+000 TO STA 237+601.435

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**
PREPARED UNDER THE DIRECTION OF:
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 18 2004
PROJECT NO.: 214753-EN10-U
RESUM: 09901-ST53
DRAWING NO.: 1
41DD-DB13-0403 PC

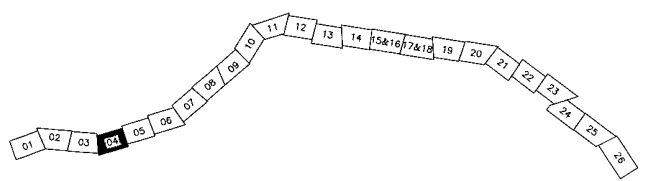
CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

Ls 50 2'20'05" Ss 50 2'20'05"

R 600.000 RT
 Δ 4'40'10"
 Δc 0'00'00"
 Δd 48.918
 ARC 3769.911
 Es 0.665



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SR
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED J.A. DATE 24/02/08
 CHECKED M.M. DATE 24/02/08
 DRAWN S.C. DATE 24/02/08
 APPROVED M.M. DATE 24/11/16

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

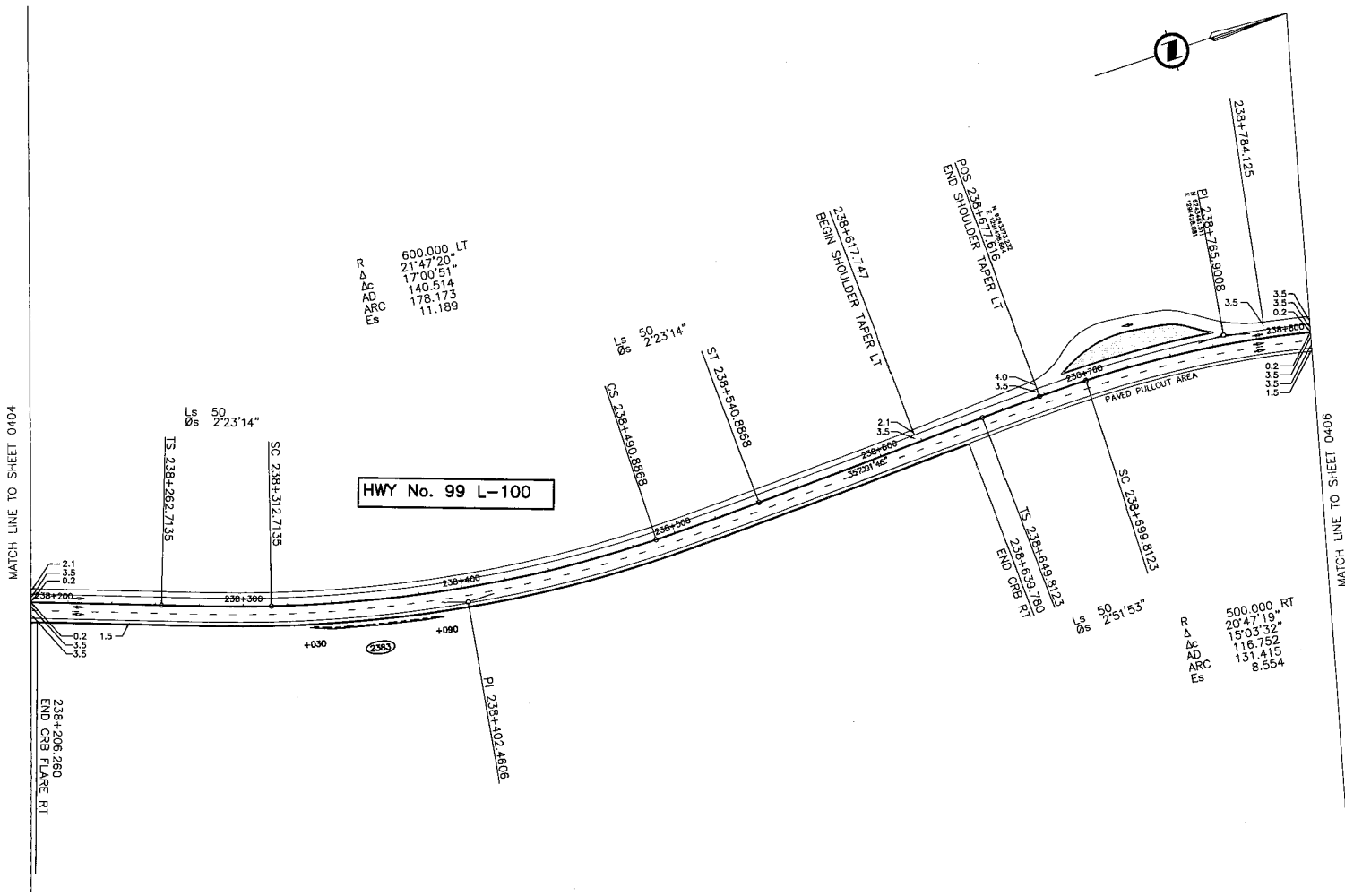
DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 237+601.435 TO STA 238+202.828

Project Monitors: **Hatch Mott MacDonald**
 Design Consultant: **UMA**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 15 2024

PROJECT No. 214753-EN10-U
 RESUM 1
 DRAWING No. 41DD-DB13-0404 PC

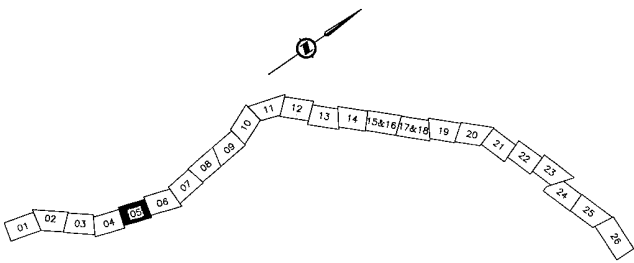
CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JAL DATE 04/10/08
 CHECKED: MIM DATE 04/10/08
 DRAWN: RS DATE 04/16/08
 APPROVED: JEM DATE 04/21/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

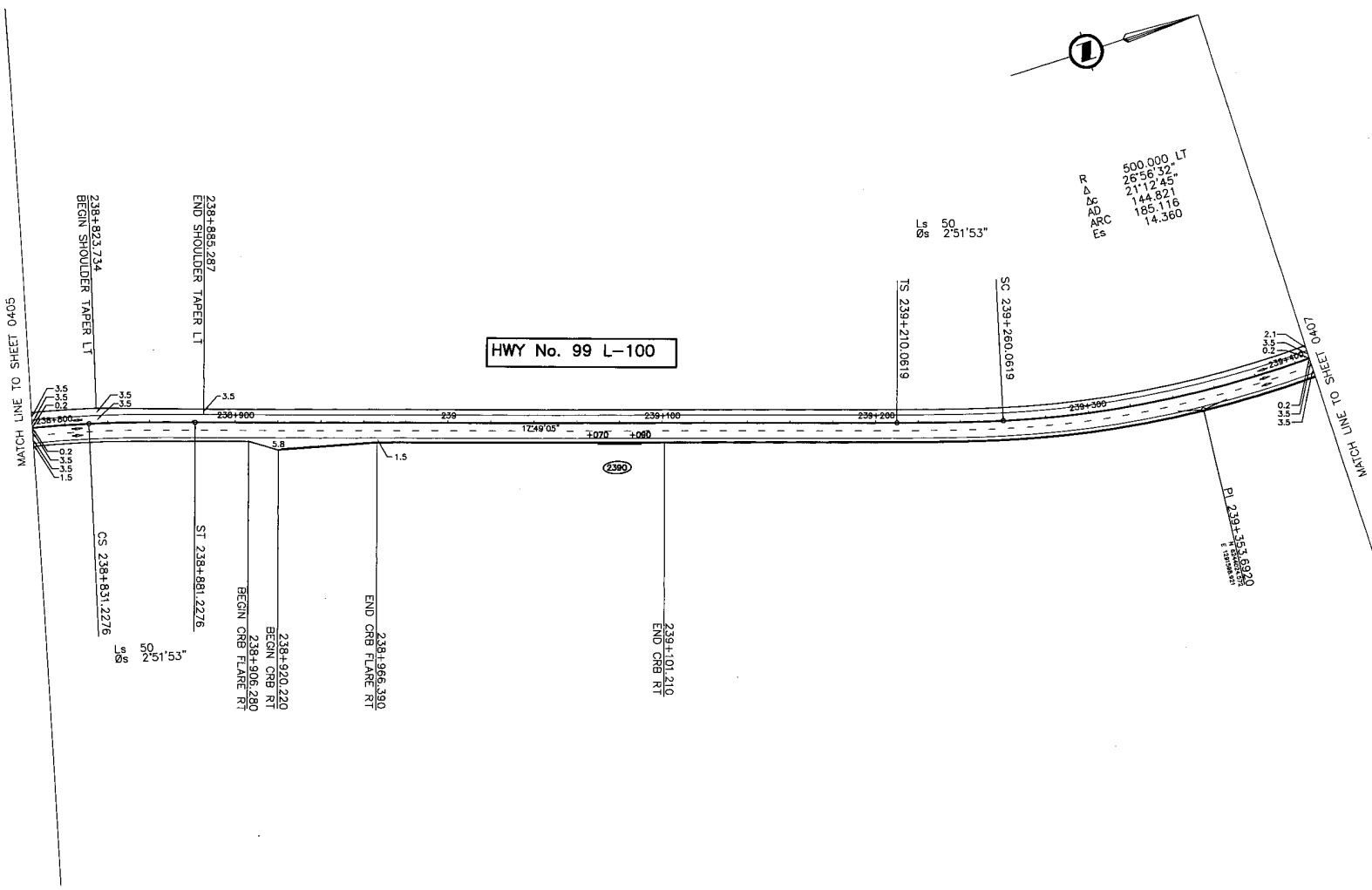
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 238+202.828 TO STA 238+804.710

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/08	ISSUED FOR INFORMATION	
		C	05/01/08	ISSUED FOR PROPOSAL SUBMISSION	

Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: H. WERTZ
 SENIOR DESIGN ENGINEER
 DATE NOV 18 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-SITS3
 REGION 1
 DRAWING No. 41DD-DB13-0405 PC

REFERENCE DRAWINGS REVISIONS



HWY No. 99 L-100

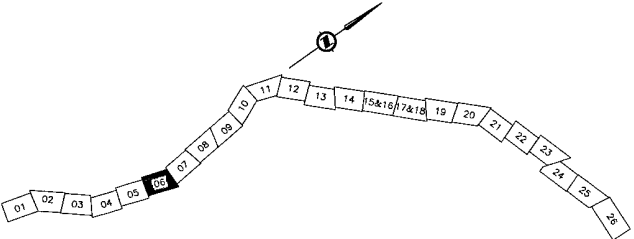
500.000 LT
 26°56'32"
 21'12'45"
 144.821
 185.116
 14.360

Ls 50
 2°51'53"

(2390)

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/14	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SZR TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: M.M. DATE: 04/20/08
 CHECKED: M.M. DATE: 04/19/08
 DRAWN: B.S. DATE: 04/19/08
 APPROVED: M.M. DATE: 04/21/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

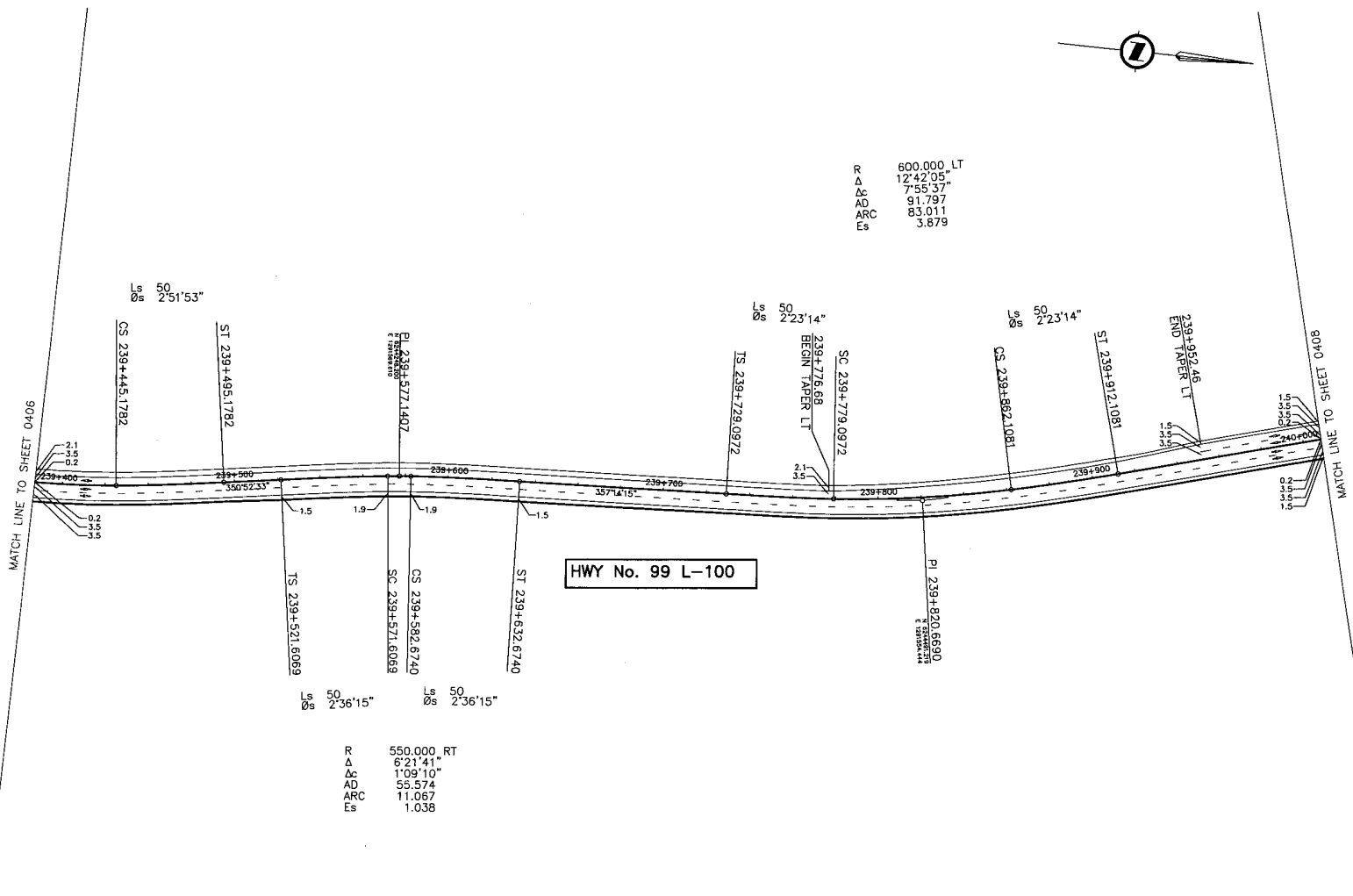
DBFO – HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 238+804.710 TO STA 239+407.014

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. MERIZ, SENIOR DESIGN ENGINEER, DATE: NOV 16 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REVISION 1
 DRAWING No. 41DD-DB13-0406 PC

CANCEL PRINTS BEARING PREVIOUS LETTER



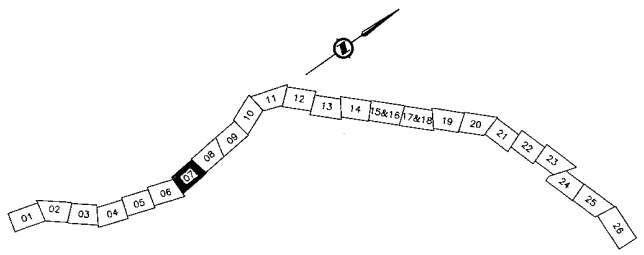
R 600.000 LT
 Δ 12'42'05"
 Δc 7'53'37"
 AD 91.787
 ARC 83.011
 Es 3.879

Ls 50 2'36'15"
 R 550.000 RT
 Δ 6'21'41"
 Δc 1'09'10"
 AD 55.574
 ARC 11.067
 Es 1.038

HWY No. 99 L-100

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/14	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.M. DATE: 04/10/22
 CHECKED: J.M. DATE: 04/23/22
 DRAWN: J.S. DATE: 04/10/22
 APPROVED: J.M. DATE: 04/11/22

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

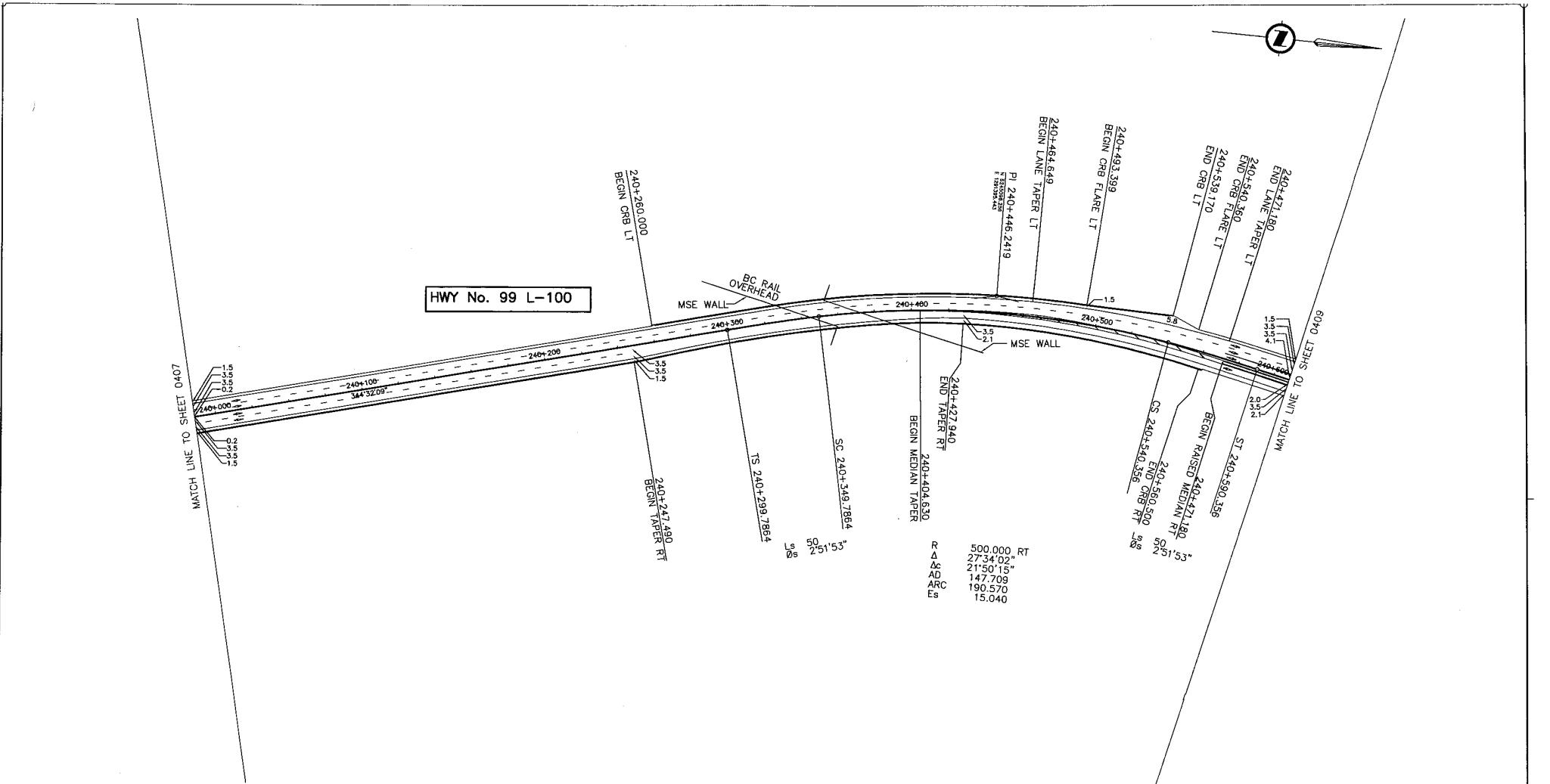
DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 239+407.014 TO STA 240+008.460

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. HERTZ, SENIOR DESIGN ENGINEER, DATE: NOV 19 2004

FILE No.: 214753-EN10-U
 PROJECT No.: 09901-S1S3
 REGION: 1
 DRAWING No.: 41DD-DB13-0407/PC

CANCEL PRINTS BEARING PREVIOUS LETTER



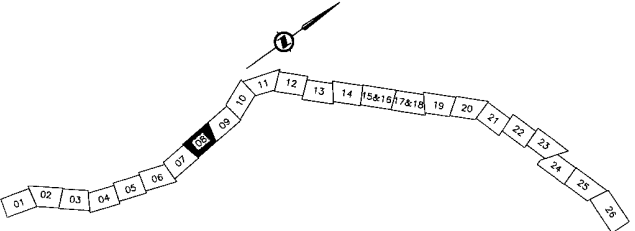
HWY No. 99 L-100

MATCH LINE TO SHEET 0407

MATCH LINE TO SHEET 0409

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



R 500.000, RT
Δ 27.34, O2
Δ 21'50"15"
AD 147.709
ARC 190.570
Es 15.040

Draw. No.	Description

REFERENCE DRAWINGS

SRS TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED AA DATE 24/09/08
CHECKED M.M. DATE 24/09/08
DRAWN J.S. DATE 24/09/08
APPROVED M.M. DATE 24/11/08

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 240+008.460 TO STA 240+608.576

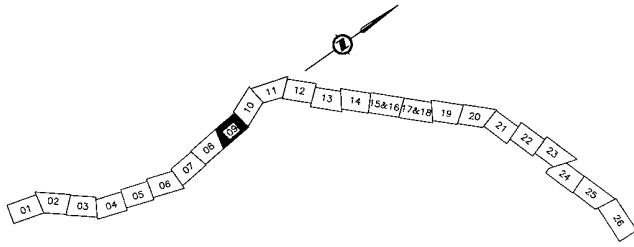
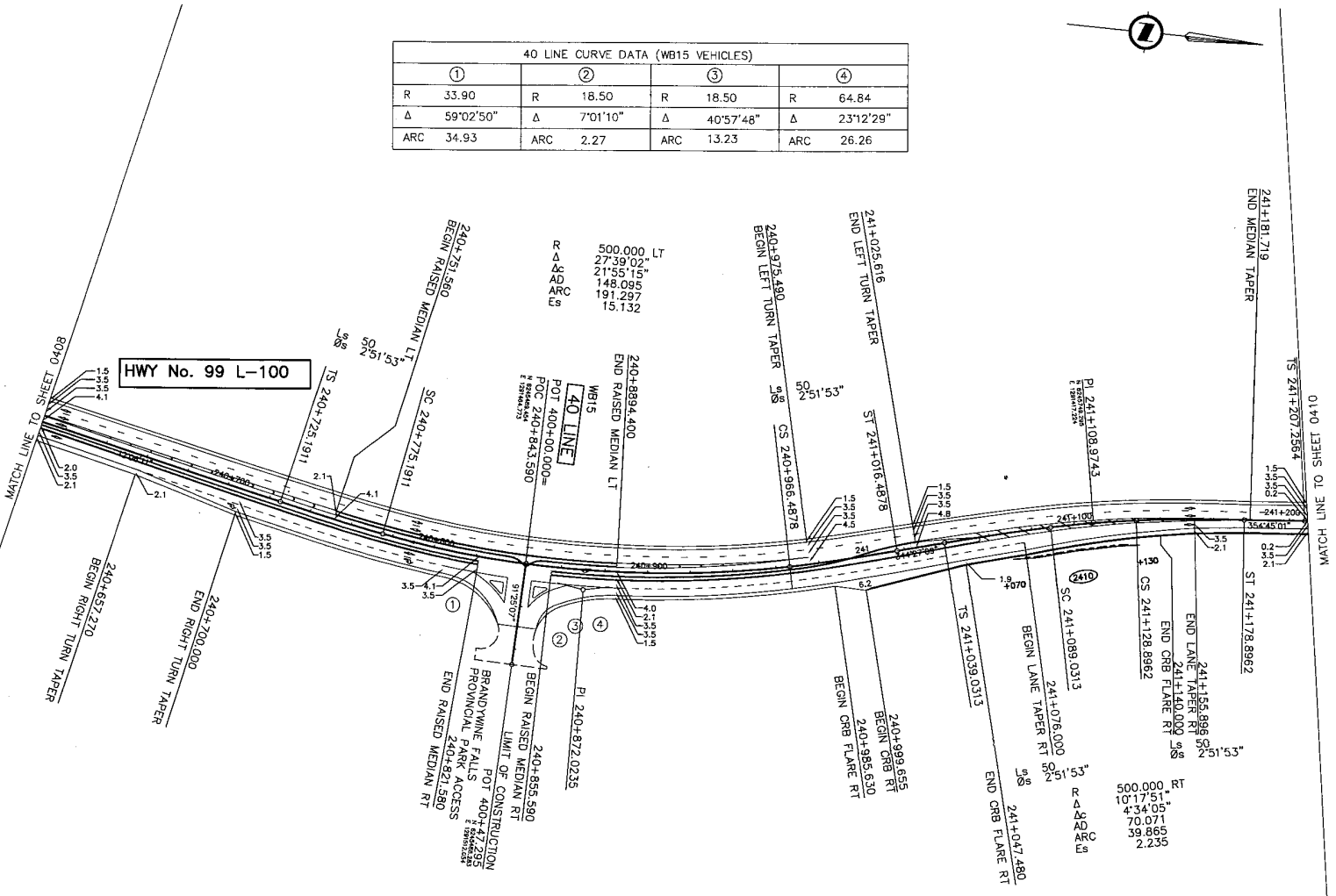
Project Managers: **Hatch Mott MacDonald**
Design Consultant: **UMA**

PREPARED UNDER THE DIRECTION OF
M. HERTZ
SENIOR DESIGN ENGINEER
DATE NOV 16 2004

FILE No. 214753-EN10-U
PROJECT No. REGION 1
DRAWING No. 41DD-DB13-0408 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

40 LINE CURVE DATA (WB15 VEHICLES)			
①	②	③	④
R 33.90	R 18.50	R 18.50	R 64.84
Δ 59°02'50"	Δ 7°01'10"	Δ 40°57'48"	Δ 23°12'29"
ARC 34.93	ARC 2.27	ARC 13.23	ARC 26.26

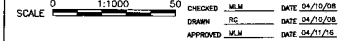


ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
A		1	04/10/22	ISSUED FOR REVIEW	
B		1	04/11/14	ISSUED FOR INFORMATION	
C		1	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

SR
S2S TRANSPORTATION GROUP



DESIGNED BY	DATE 02/03/08
DRAWN BY	DATE 02/03/08
APPROVED BY	DATE 05/01/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 240+608.576 TO STA 241+208.587

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**
Prepared Under the Direction of: **H. HERTZ**
Senior Design Engineer
DATE NOV 18 2004

FILE No. **214753-EN10-U** PROJECT No. **09901-ST53** REGION **1** DRAWING No. **41DD-DB13-0409**

CANPL PRINTS BEARING PREVIOUS LETTER

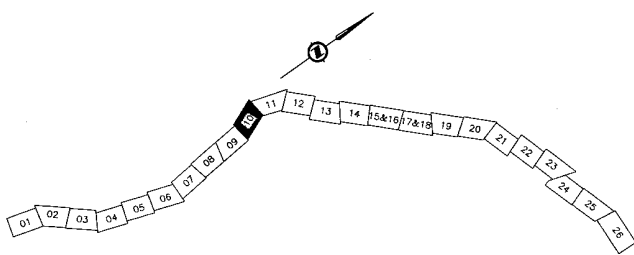
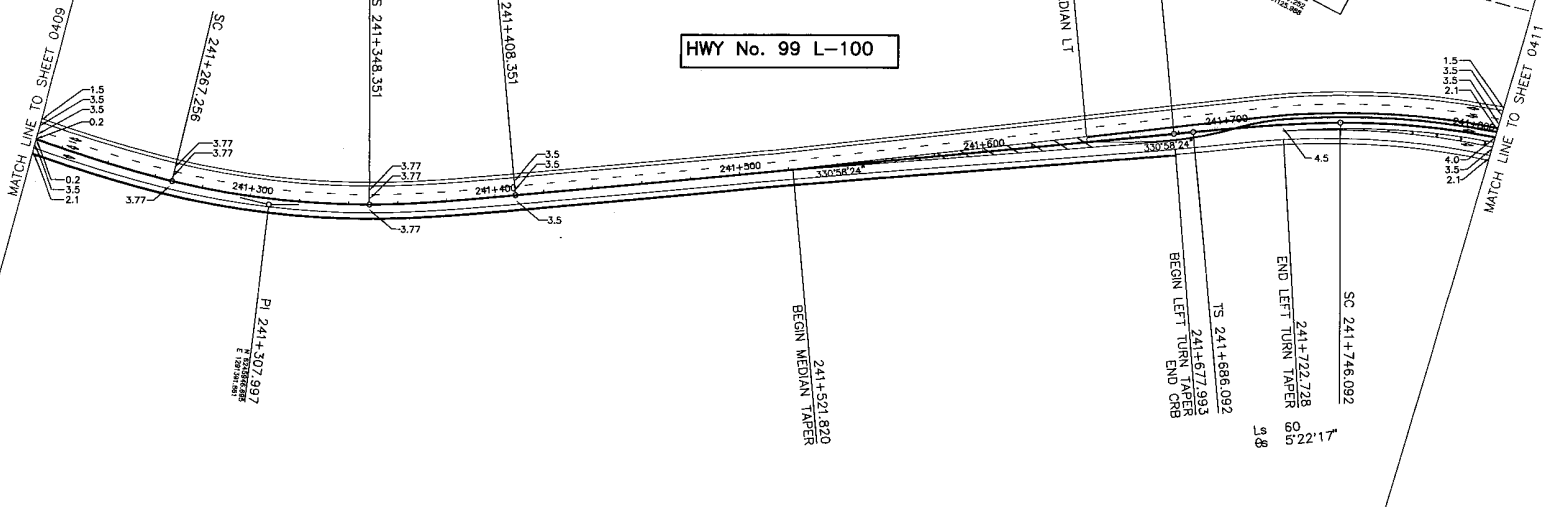
45 LINE CURVE DATA	
①	②
R	55.00
Δ	29°40'36"
ARC	28.49
R	55.00
Δ	38°37'39"
ARC	37.08

R 340.000 LT
 Δ 23°46'36"
 AD 13°39'57"
 ARC 101.663
 Es 81.095
 Es 7.903

Ls 60
 Os 503'19"

Ls 60
 Os 503'19"

HWY No. 99 L-100



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description

S2S TRANSPORTATION GROUP
 SCALE 0 1:1000 50
 DESIGNED: M.M. DATE: 24/10/28
 CHECKED: M.M. DATE: 24/10/28
 DRAWN: S.S. DATE: 24/10/28
 APPROVED: M.M. DATE: 24/11/28

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT
 DBFO – HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING
 DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 241+208.587 TO STA 241+809.822

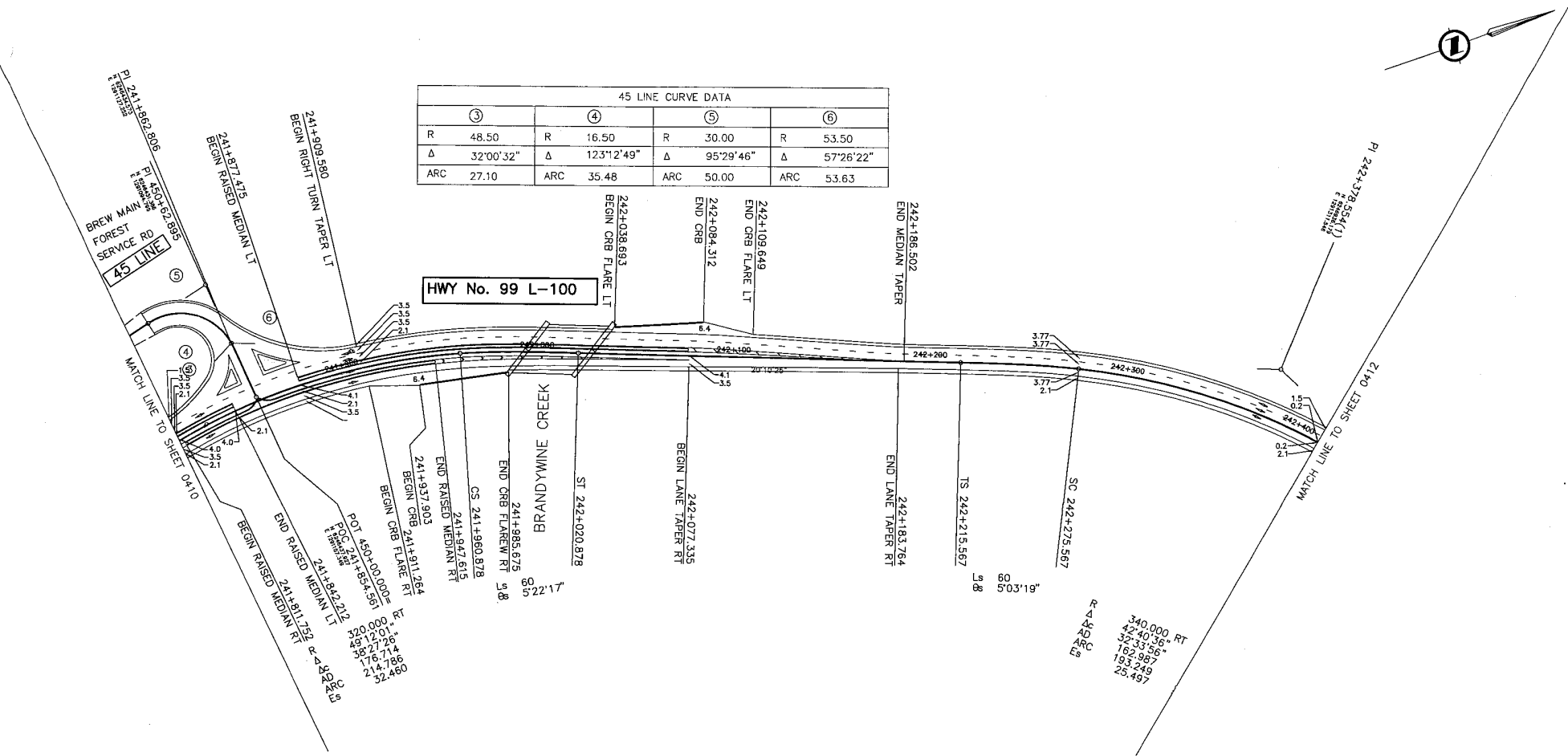
Rev	Date	Description	Signature
A	24/10/22	ISSUED FOR REVIEW	
B	24/11/14	ISSUED FOR INFORMATION	
C	25/01/16	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **UMA**
 PREPARED UNDER THE DIRECTION OF: M. MEYER, SENIOR DESIGN ENGINEER
 DATE: NOV 16 2004
 PROJECT No.: 214753-EN10-U
 REGION: 09901-ST53
 DRAWING No.: 41DD-DB13-0410 PC

REFERENCE DRAWINGS

REVISIONS

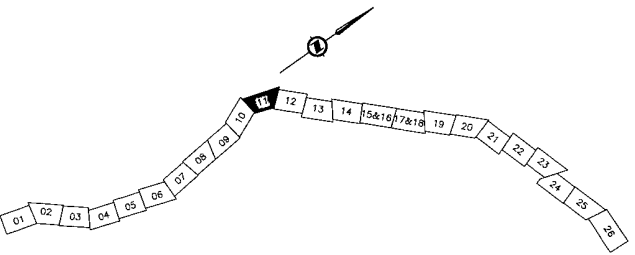
CANCEL PRINTS BEARING PREVIOUS LETTER



45 LINE CURVE DATA							
③	④	⑤	⑥				
R	48.50	R	16.50	R	30.00	R	53.50
Δ	32°00'32"	Δ	123°12'49"	Δ	95°29'46"	Δ	57°26'22"
ARC	27.10	ARC	35.48	ARC	50.00	ARC	53.63

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev.	Date	Description	Signature
		A	04/19/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

		DESIGNED: J.A. DATE: 04/25/28 CHECKED: M.M. DATE: 04/25/28 DRAWN: J.C. DATE: 04/25/28 APPROVED: M.M. DATE: 04/21/16																
SCALE 0 1:1000 50																		
<table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>04/19/22</td> <td>ISSUED FOR REVIEW</td> <td></td> </tr> <tr> <td>B</td> <td>04/11/16</td> <td>ISSUED FOR INFORMATION</td> <td></td> </tr> <tr> <td>C</td> <td>05/01/10</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> </tr> </tbody> </table>		Rev.	Date	Description	Signature	A	04/19/22	ISSUED FOR REVIEW		B	04/11/16	ISSUED FOR INFORMATION		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION		
Rev.	Date	Description	Signature															
A	04/19/22	ISSUED FOR REVIEW																
B	04/11/16	ISSUED FOR INFORMATION																
C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION																
REFERENCE DRAWINGS		REVISIONS																

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

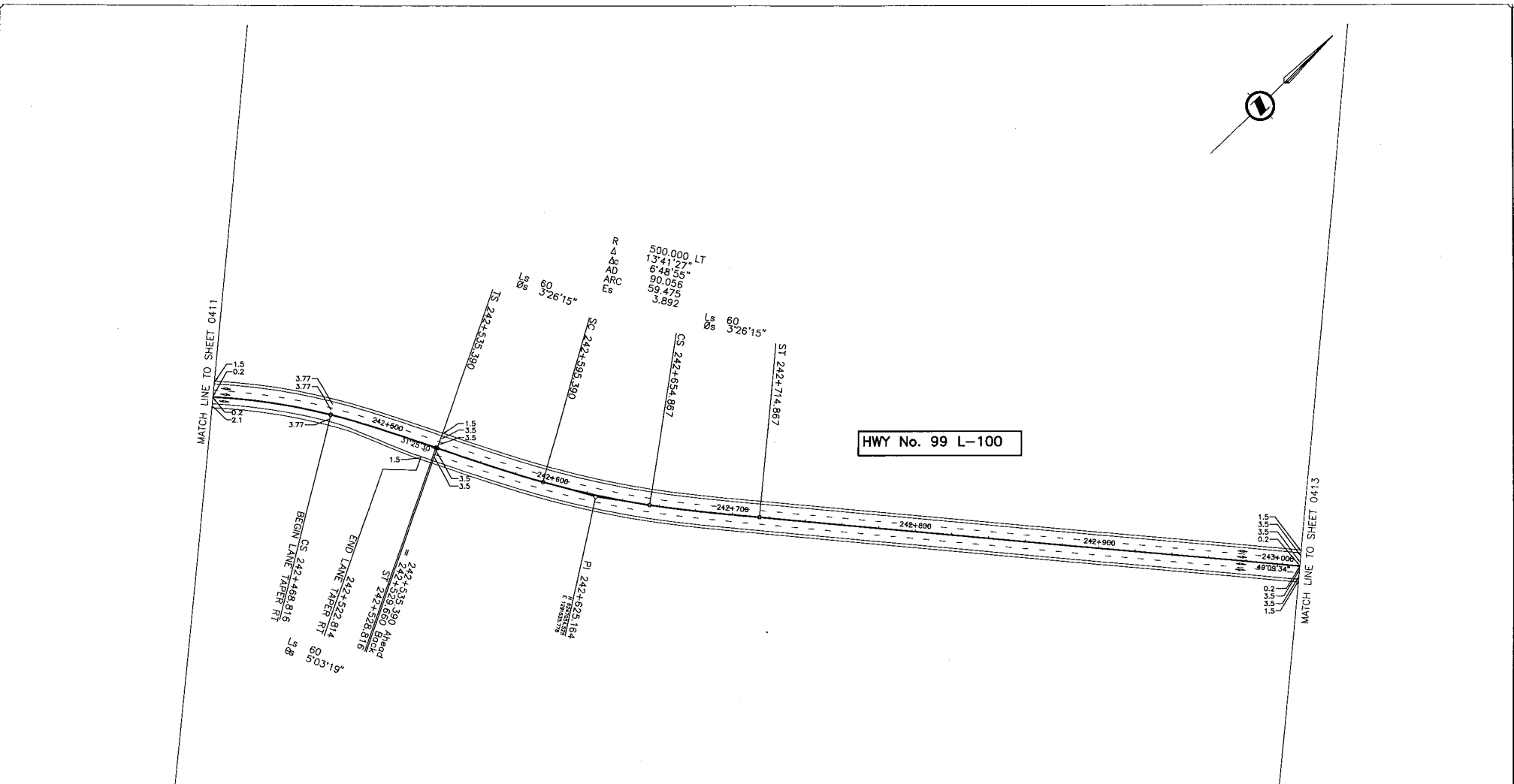
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 241+809.822 TO STA 242+409.357

Project Managers: Design Consultant:

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE NOV 16 2024

FILE No. 214753-EN10-U PROJECT No. 09901-S3S3 REGION 1 DRAWING No. 41DD-DB13-0411 PC

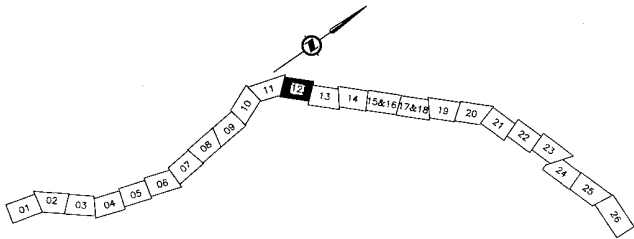
CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
A	04/10/22	ISSUED FOR REVIEW	
B	04/11/24	ISSUED FOR INFORMATION	
C	05/01/24	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

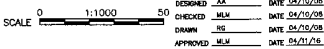
DBFO – HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 242+409.357 TO STA 243+009.357

		PREPARED UNDER THE DIRECTION OF M. MERTZ SENIOR DESIGN ENGINEER DATE NOV. 16, 2024
FILE No. 214753-EN10-U	PROJECT No. 09901-ST53	REGION 1

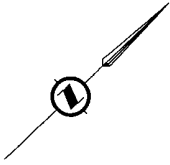
DRAWING No.
41DD-DB13-0412 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

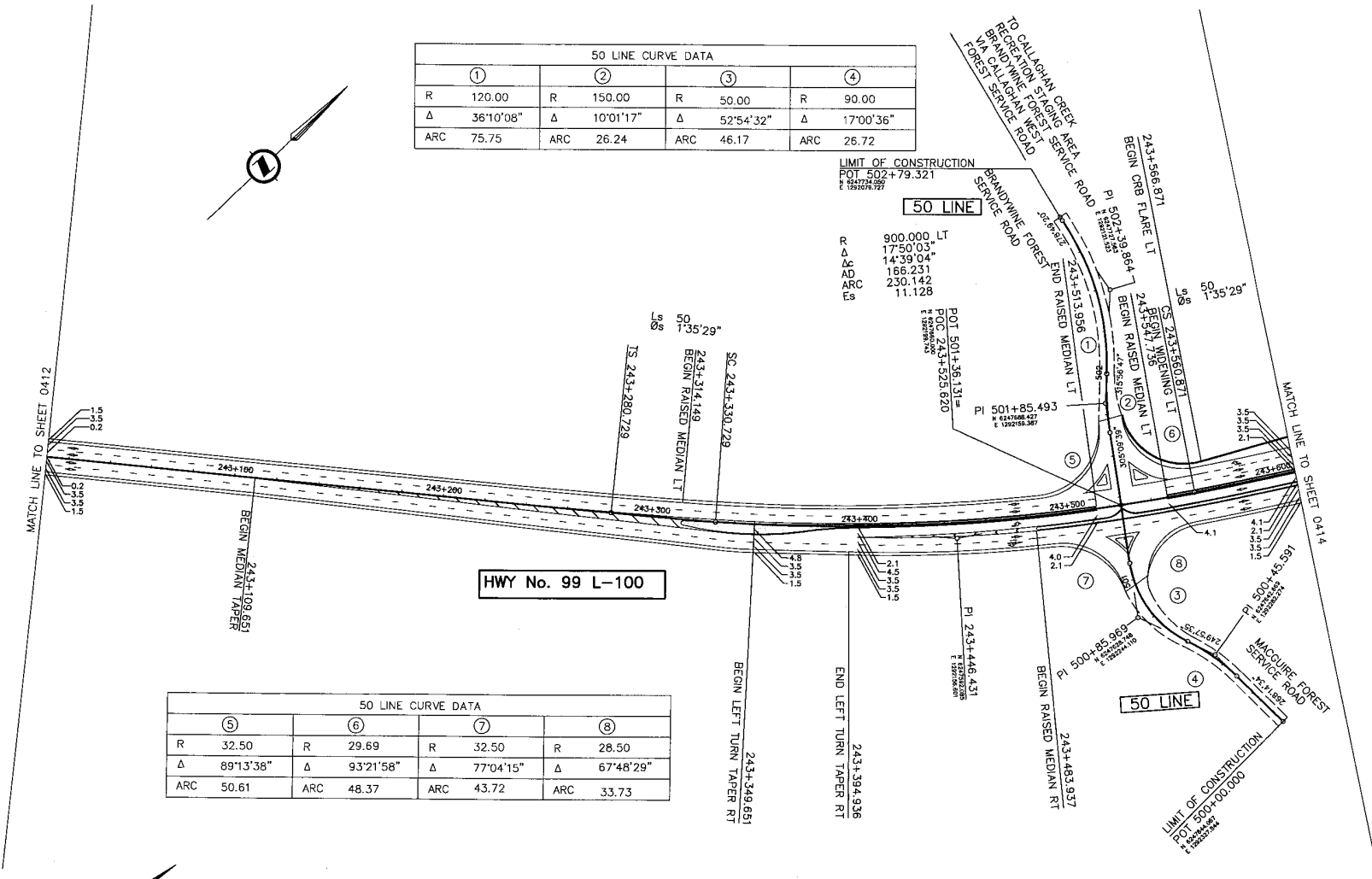


DESIGNED: JA DATE: 04/15/22
 CHECKED: MLE DATE: 04/25/22
 DRAWN: JSE DATE: 04/25/22
 APPROVED: MLE DATE: 04/21/22

50 LINE CURVE DATA			
①	②	③	④
R 120.00	R 150.00	R 50.00	R 90.00
Δ 36°10'08"	Δ 10°01'17"	Δ 52°54'32"	Δ 17°00'36"
ARC 75.75	ARC 26.24	ARC 46.17	ARC 26.72

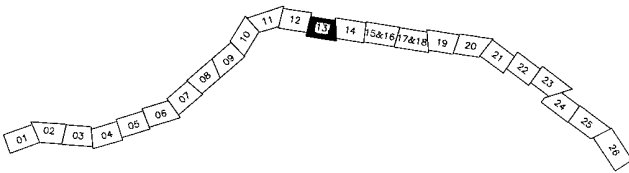


MATCH LINE TO SHEET 0412



HWY No. 99 L-100

50 LINE CURVE DATA			
⑤	⑥	⑦	⑧
R 32.50	R 29.69	R 32.50	R 28.50
Δ 89°13'38"	Δ 93°21'58"	Δ 77°04'15"	Δ 67°48'29"
ARC 50.61	ARC 48.37	ARC 43.72	ARC 33.73



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

OWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: J.A. DATE: 04/20/08
 CHECKED: M.W. DATE: 04/20/08
 DRAWN: B.S. DATE: 04/19/08
 APPROVED: M.M. DATE: 04/21/08

Rev	Date	Description	Signature
A	04/10/22	ISSUED FOR REVIEW	
B	04/11/16	ISSUED FOR INFORMATION	
C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 243+009.357 TO STA 243+609.983

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

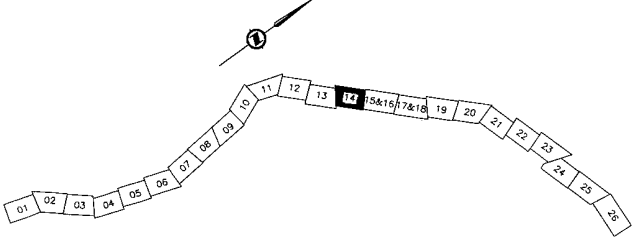
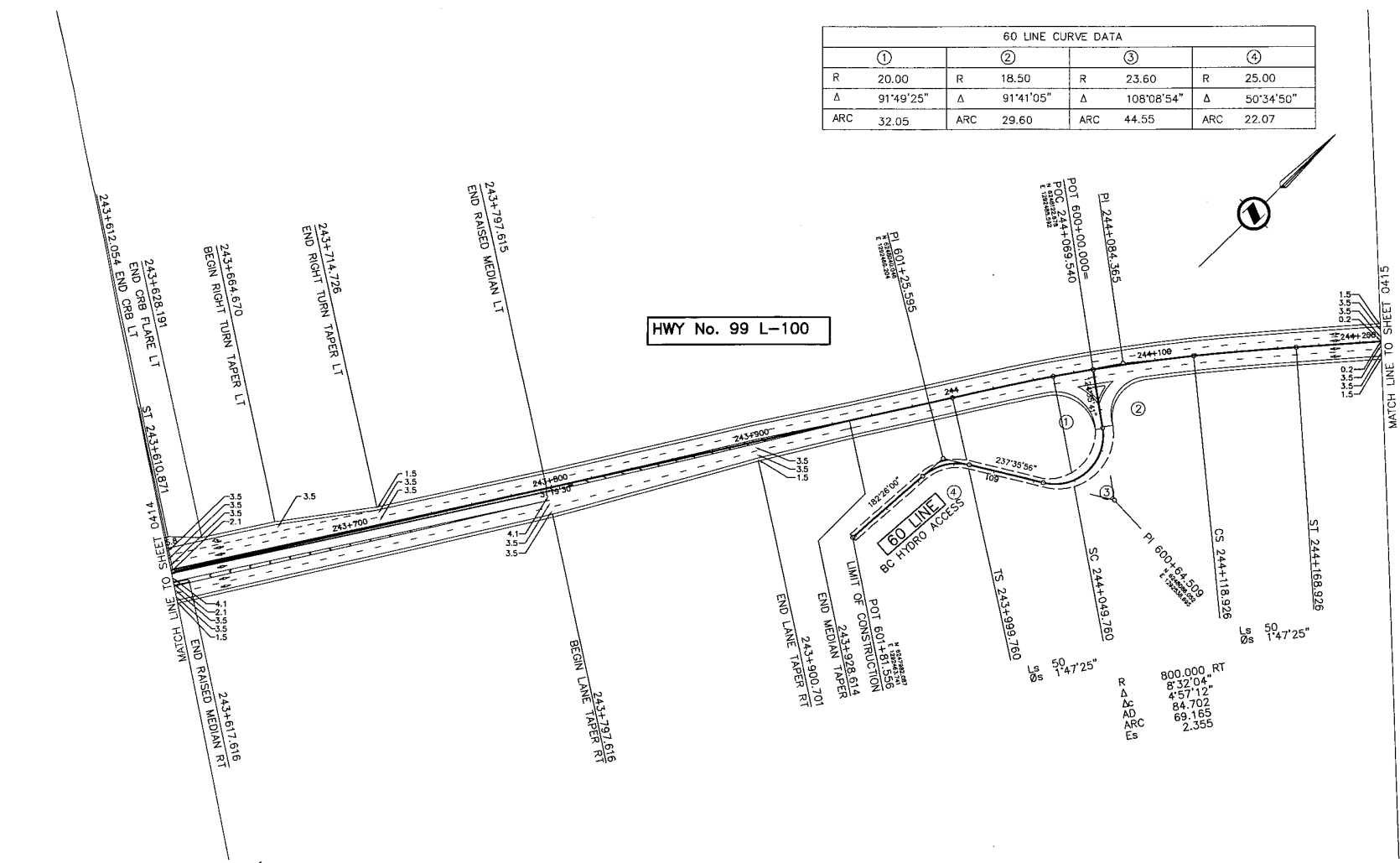
PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 16, 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB13-0413

CANCEL PRINTS BEARING PREVIOUS LETTER

60 LINE CURVE DATA			
①	②	③	④
R 20.00	R 18.50	R 23.60	R 25.00
Δ 91°49'25"	Δ 91°41'05"	Δ 108°08'54"	Δ 50°34'50"
ARC 32.05	ARC 29.60	ARC 44.55	ARC 22.07

HWY No. 99 L-100



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/07/10	ISSUED FOR PROPOSAL SUBMISSION	

SR
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JA DATE: 04/20/28
 CHECKED: MEM DATE: 04/20/28
 DRAWN: JIC DATE: 04/20/28
 APPROVED: MEM DATE: 04/21/28

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 243+609.983 TO STA 244+210.256

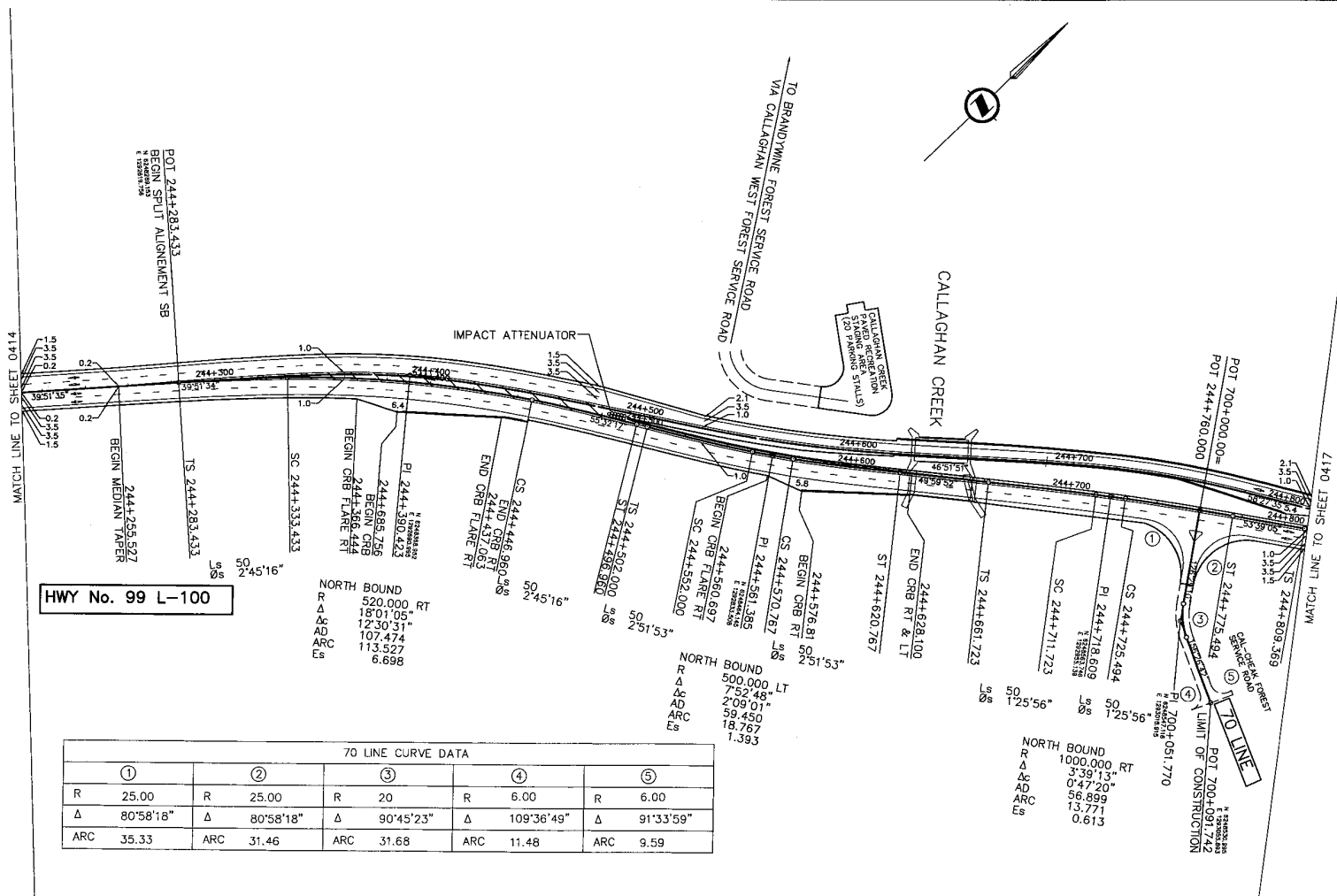
Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV. 16, 2004
DRAWING No.

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0414 PC

REFERENCE DRAWINGS REVISIONS

CANCEL PRINTS BEARING PREVIOUS LETTER



HWY No. 99 L-100

NORTH BOUND
 R 520.000 RT
 Δ 18°01'05"
 AD 1230'31"
 ARC 107.474
 Es 113.527
 Es 6.698

NORTH BOUND
 R 500.000 LT
 Δ 75°48'
 AD 2'09.01"
 ARC 59.450
 Es 18.767
 Es 1.393

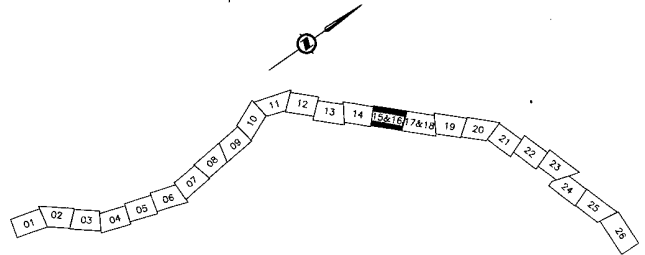
NORTH BOUND
 R 1000.000 RT
 Δ 3°39'13"
 AD 0'47'20"
 ARC 56.899
 Es 13.771
 Es 0.613

70 LINE CURVE DATA				
①	②	③	④	⑤
R 25.00	R 25.00	R 20	R 6.00	R 6.00
Δ 80°58'18"	Δ 80°58'18"	Δ 90°45'23"	Δ 109°36'49"	Δ 91°33'59"
ARC 35.33	ARC 31.46	ARC 31.68	ARC 11.48	ARC 9.59

ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

FOR SOUTHBOUND CURVE DATA SEE
 DRAWING No. 41DD-DB13-0416

DESIGN SPEED 80km/h



SIR S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JA DATE: 04/20/08
 CHECKED: JLM DATE: 04/29/08
 DRAWN: JG DATE: 04/25/08
 APPROVED: JLM DATE: 04/17/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO -- HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 244+210.256 (NB) TO STA 244+810.642 (NB)

DWG. No.	Description	Rev.	Date	Description	Signature
A	ISSUED FOR REVIEW		24/10/22		
B	ISSUED FOR INFORMATION		24/11/14		
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/16		

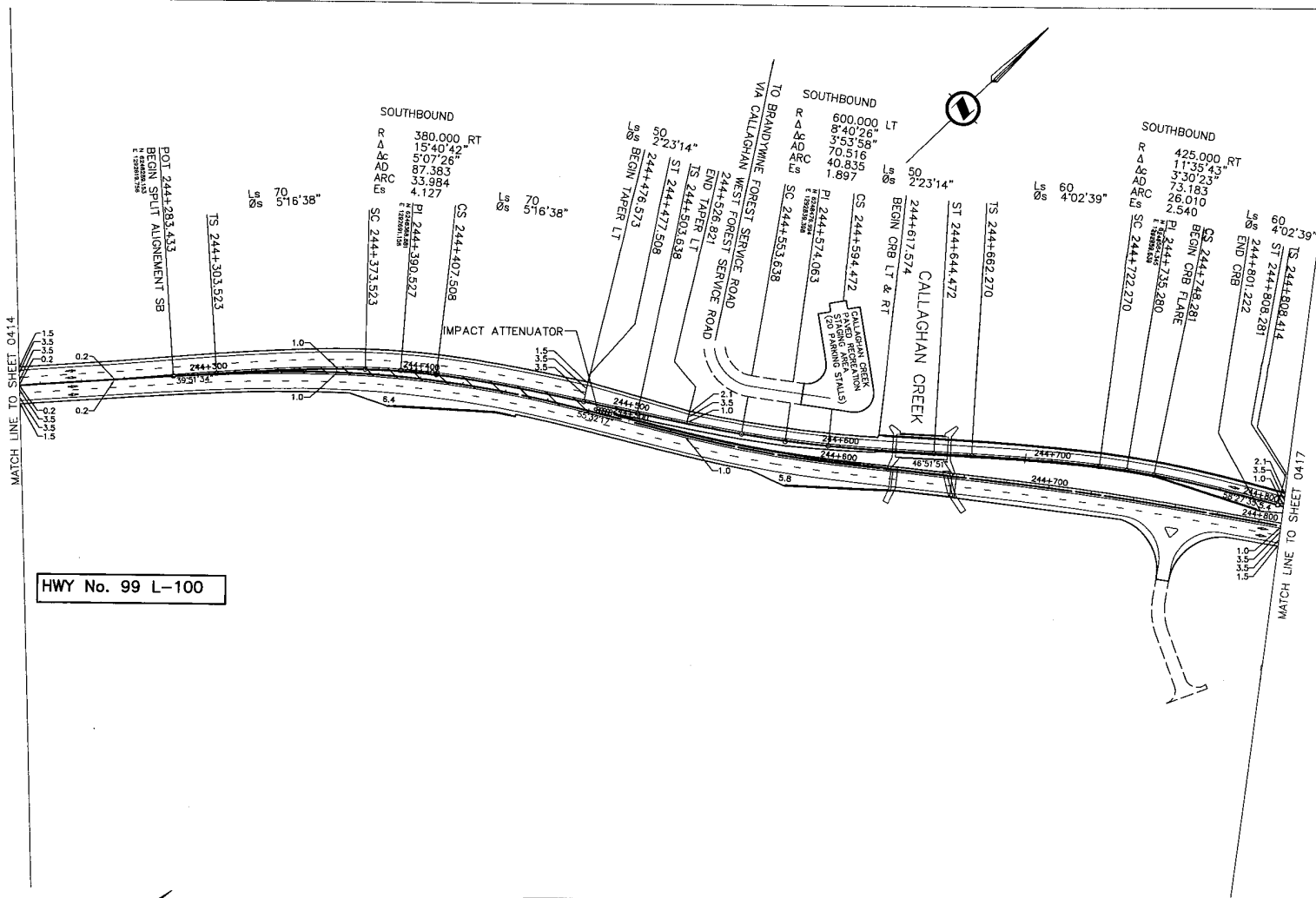
Project Manager: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
 M. MERTZ
 SENIOR DESIGN ENGINEER
 DATE: NOV 16 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REVISION 1
 DRAWING No. 41DD-DB13-0415

REFERENCE DRAWINGS

REVISIONS

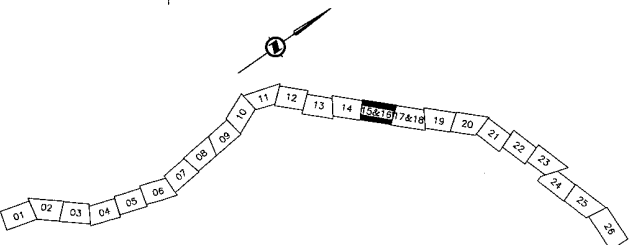


HWY No. 99 L-100

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

FOR NORTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0415

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SR
TRANSPORTATION GROUP
S2S

SCALE 0 1:1000 50

DESIGNED: JAA DATE: 04/02/08
CHECKED: MEM DATE: 04/16/08
DRAWN: JIS DATE: 04/16/08
APPROVED: MEM DATE: 04/17/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

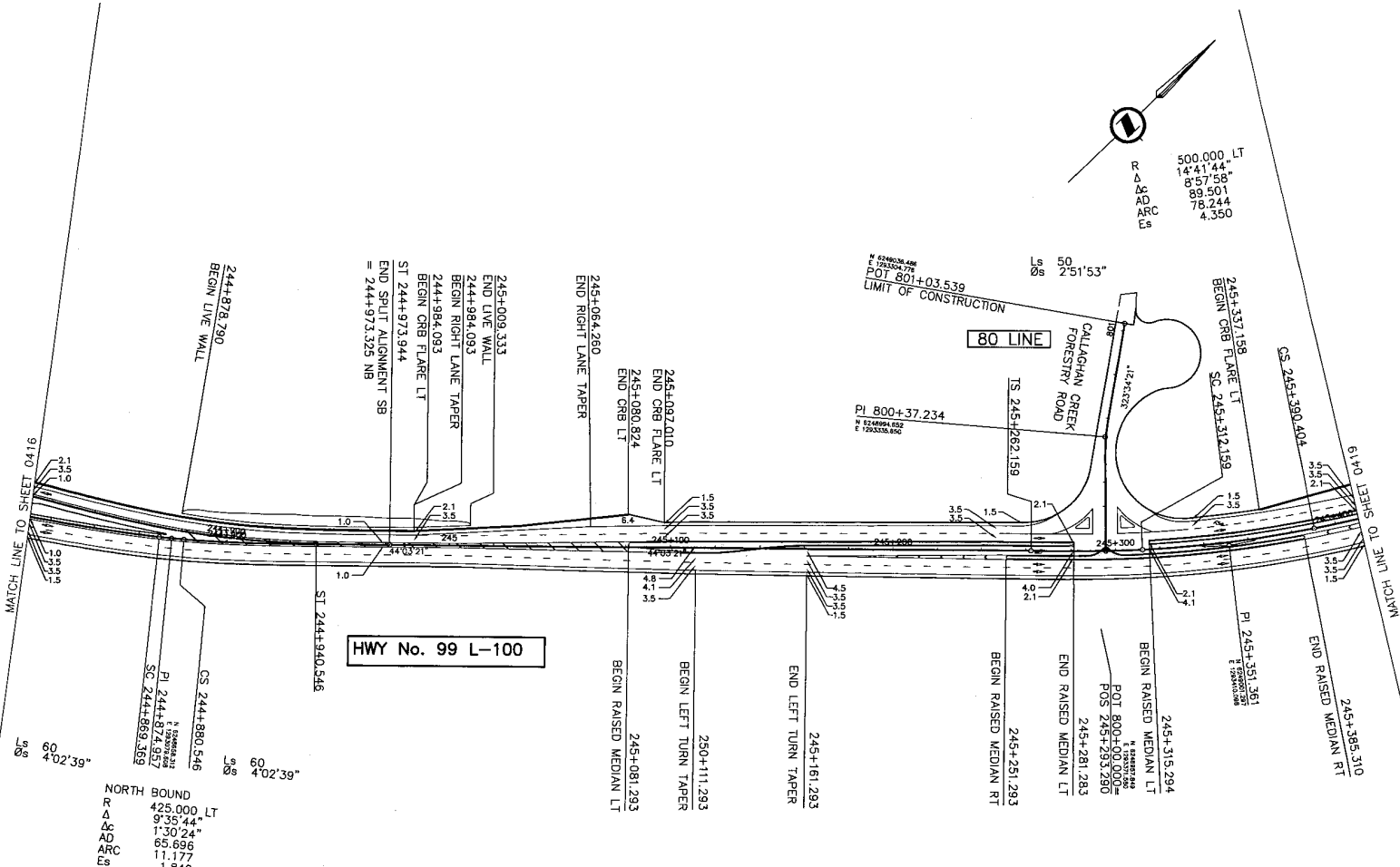
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 244+283.433 (SB) TO STA 244+811.182 (SB)

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. HERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 15 2004
DRAWING No.

FILE No: 214753-EN10-U
PROJECT No: 09901-ST53
REVISION: 1
DRAWING No: 41DD-DB13-0416

CANCEL PRINTS BEARING PREVIOUS LETTER



R
Δ
AC
AD
ARC
Es
500.000 LT
14°41'44"
8°57'58"
89.501
78.244
4.350

N 62°40'00" W
COLSON RD
POT 801+03.539
LIMIT OF CONSTRUCTION

PI 800+37.234
N 82°00'00" E
L 1000.000

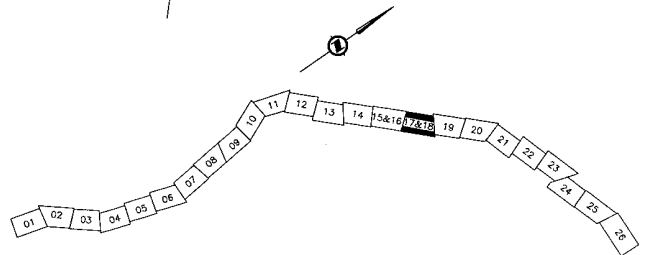
HWY No. 99 L-100

NORTH BOUND
R 425.000 LT
Δ 9°35'44"
AC 1'30"24"
AD 65.696
ARC 11.177
Es 1.849

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

FOR SOUTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0418

DESIGN SPEED 80km/h



SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JAL DATE: 04/20/04
CHECKED: M.J.M. DATE: 04/22/04
DRAWN: J.S. DATE: 04/19/04
APPROVED: M.J.M. DATE: 04/19/04

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 244+810.642 (NB) TO STA 245+410.617 (NB)

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/11	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

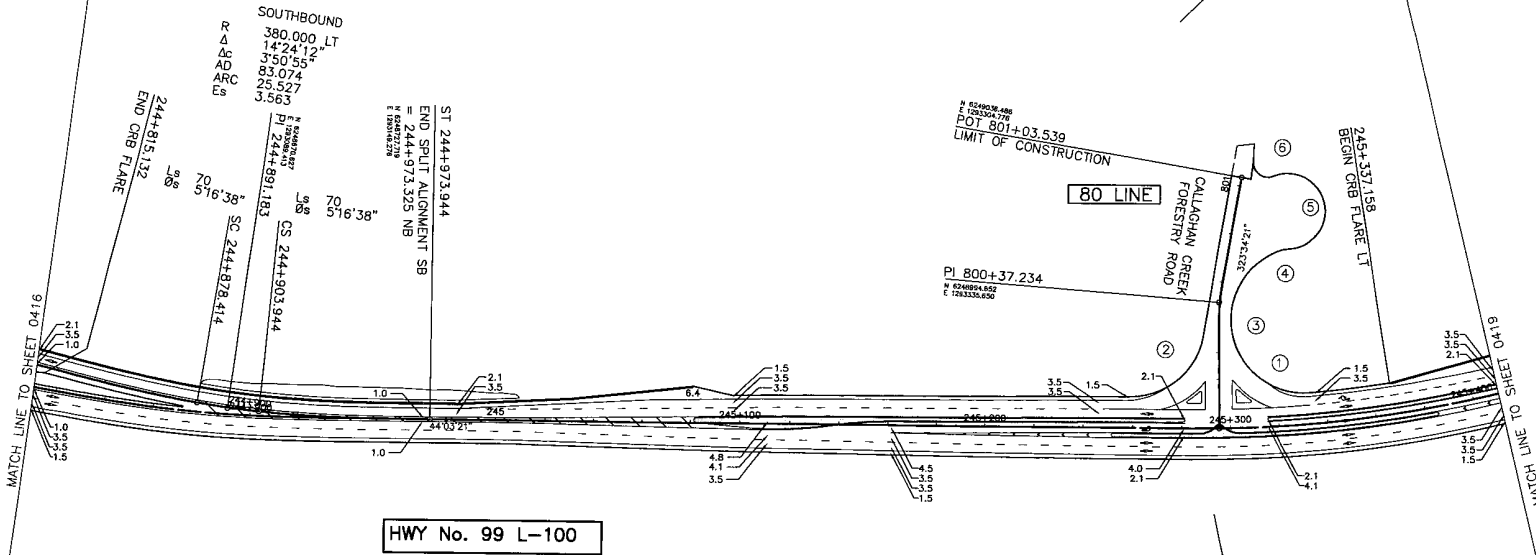
PREPARED UNDER THE DIRECTION OF:
M. MERTZ
SENIOR DESIGN ENGINEER

DATE: NOV 18 2004

PROJECT No. 09901-ST53 REGION 1 FILE No. 214753-EN10-U
DRAWING No. 41DD-DB13-0417 PC

REFERENCE DRAWINGS REVISIONS

80 LINE CURVE DATA					
①	②	③	④	⑤	⑥
R 30.00	R 30.00	R 90.00	R 15.00	R 15.5	R 6.00
Δ 190°59'09"	Δ 190°59'09"	Δ 9°07'55"	Δ 21°58'19"	Δ 09°39'01"	Δ 234°55'47"
ARC 85.37	ARC 41.92	ARC 14.34	ARC 5.08	ARC 54.01	ARC 12.04

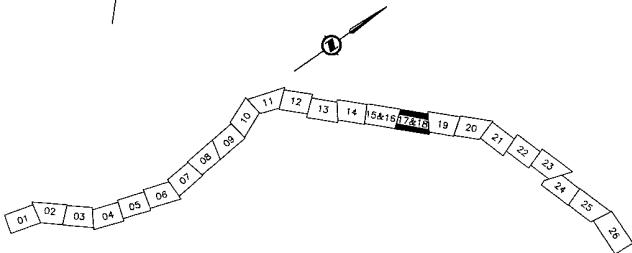


HWY No. 99 L-100

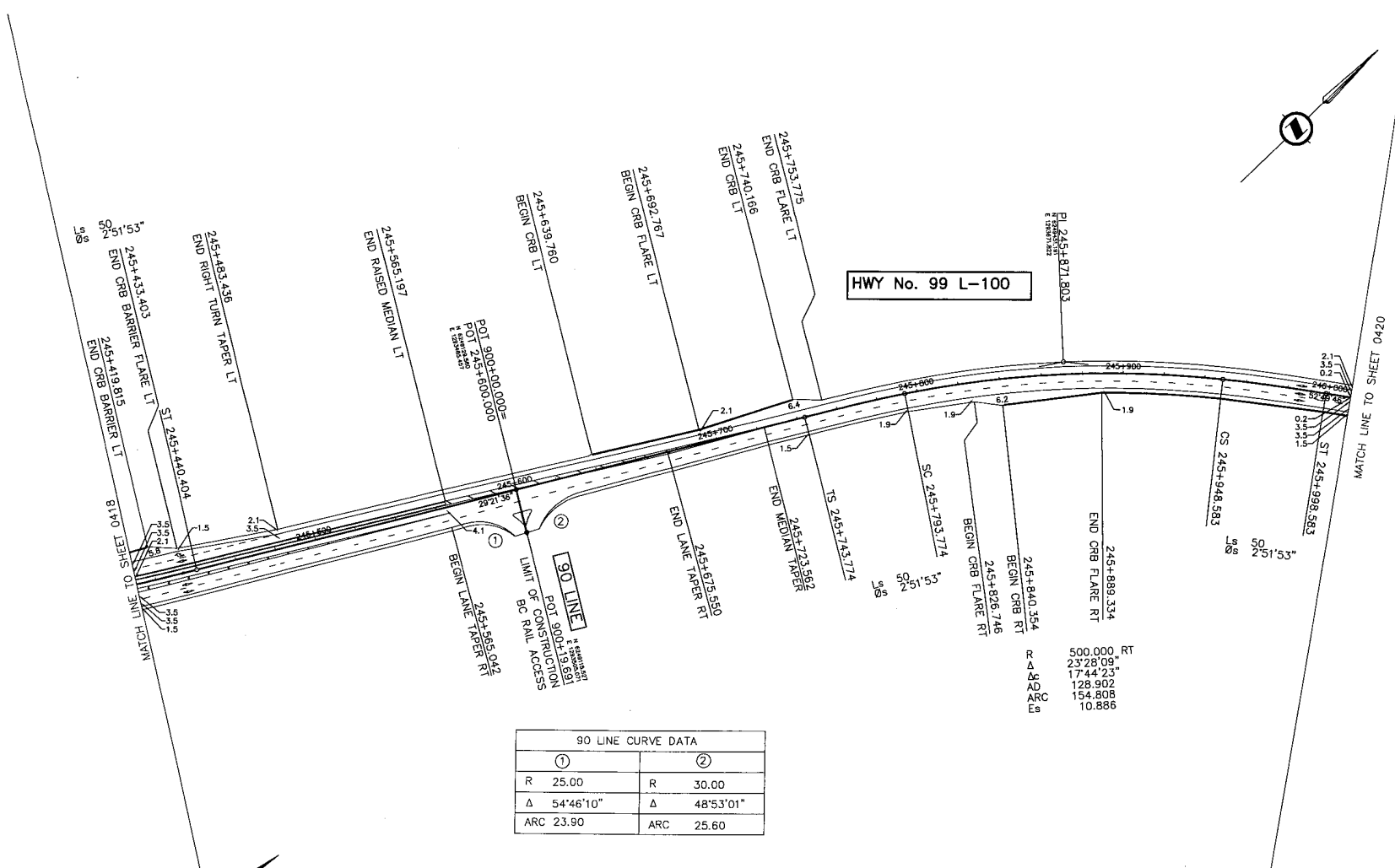
ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

FOR NORTHBOUND CURVE DATA SEE
DRAWING No. 41DD-DB13-0417

DESIGN SPEED 80km/h



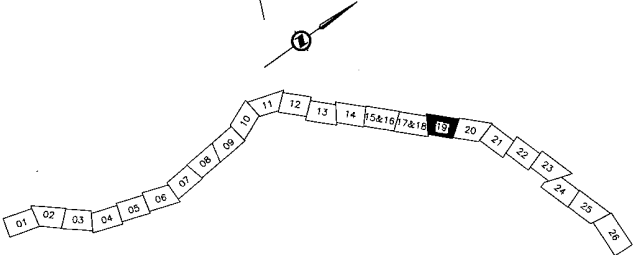
SCALE 0 1:1000 50		SEA TO SKY HIGHWAY IMPROVEMENT PROJECT																									
DESIGNED: AA DATE: 05/10/05 CHECKED: MM DATE: 04/10/05 DRAWN: RC DATE: 04/13/05 APPROVED: MM DATE: 05/11/05		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING																									
<table border="1"> <thead> <tr> <th>DWG. No.</th> <th>Description</th> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>ISSUED FOR REVIEW</td> <td></td> <td>04/10/05</td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>ISSUED FOR INFORMATION</td> <td></td> <td>04/11/05</td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>ISSUED FOR PROPOSAL SUBMISSION</td> <td></td> <td>05/01/05</td> <td></td> <td></td> </tr> </tbody> </table>		DWG. No.	Description	Rev	Date	Description	Signature	A	ISSUED FOR REVIEW		04/10/05			B	ISSUED FOR INFORMATION		04/11/05			C	ISSUED FOR PROPOSAL SUBMISSION		05/01/05			DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 244+811.182 (SB) TO STA 244+973.944 (SB)	
DWG. No.	Description	Rev	Date	Description	Signature																						
A	ISSUED FOR REVIEW		04/10/05																								
B	ISSUED FOR INFORMATION		04/11/05																								
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/05																								
REFERENCE DRAWINGS		REVISIONS																									
PROJECT MANAGERS: Hatch Mott MacDonald		DESIGN CONSULTANT: uma																									
FILE No. 214753-EN10-U		PROJECT No. 09901-ST53																									
PREPARED UNDER THE DIRECTION OF: N. MERTZ, SENIOR DESIGN ENGINEER		DATE: NOV. 18, 2004																									
DRAWING No. 41DD-DB13-0418		REVISION 1																									



①	②
R 25.00	R 30.00
Δ 54°46'10"	Δ 48°53'01"
ARC 23.90	ARC 25.60

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/07/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JAA DATE 04/23/08
 CHECKED: MCM DATE 04/25/08
 DRAWN: BSS DATE 04/16/08
 APPROVED: MCM DATE 04/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 245+410.617 TO STA 246+010.653

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

M. MERZ
SENIOR DESIGN ENGINEER
DATE NOV 16 2004

FILE No: 214753-EN10-U
 PROJECT No: 09901-ST53
 REVISION: 1
 DRAWING No: 41DD-DB13-0419 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

R 340.000 LT
 Δ 14°18'15"
 AD 411.36
 ARC 72.711
 Es 24.884
 Es 3.111

Ls 60 5°03'19"
 SC 246+079.247
 CS 246+104.131
 ST 246+164.131

POT 910+00.000=

PI 246+467.296

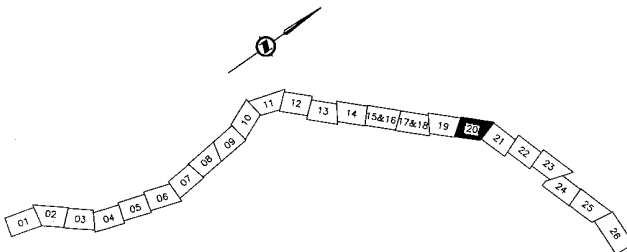
HWY No. 99 L-100

POT 910+80.357
 LIMIT OF CONSTRUCTION

PI 91+034.960

R 300.000 RT
 Δ 34°14'08"
 AD 2246'35"
 ARC 122.538
 Es 119.258
 Es 14.429

91 LINE CURVE DATA		
①	②	③
R 11.40	R 11.40	10.00
Δ 90°00'00"	Δ 90°00'00"	103°25'22"
ARC 17.91	ARC 17.91	18.05



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SR
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED JA DATE 05/02/08
 CHECKED M.M. DATE 04/19/08
 DRAWN RS DATE 04/19/08
 APPROVED M.M. DATE 04/21/08

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 246+010.653 TO STA 246+612.191

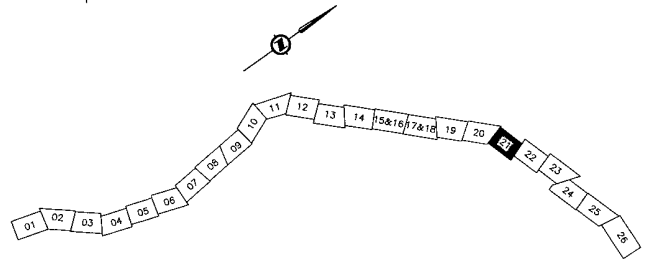
Project Managers: Hatch Mott MacDonald, UMA
 Design Consultant: UMA
 PREPARED UNDER THE DIRECTION OF: M. WERTZ, SENIOR DESIGN ENGINEER
 DATE NOV 18 2004
 PROJECT No. 09901-S2S3 REGION 1 DRAWING No. 41DD-DB13-0420 PC

CANCEL PRINTS BEARING PREVIOUS LETTER

MATCH LINE TO SHEET 0420

MATCH LINE TO SHEET 0422

HWY No. 99 L-100



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

OWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/08	ISSUED FOR REVIEW	
		B	04/11/10	ISSUED FOR INFORMATION	
		C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

SR
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED AA DATE 04/10/08
CHECKED MCM DATE 04/10/08
DRAWN BS DATE 04/10/08
APPROVED JLM DATE 04/11/08

Rev	Date	Description	Signature
A	04/10/08	ISSUED FOR REVIEW	
B	04/11/10	ISSUED FOR INFORMATION	
C	05/01/10	ISSUED FOR PROPOSAL SUBMISSION	

REVISIONS

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 246+612.191 TO STA 247+214.079

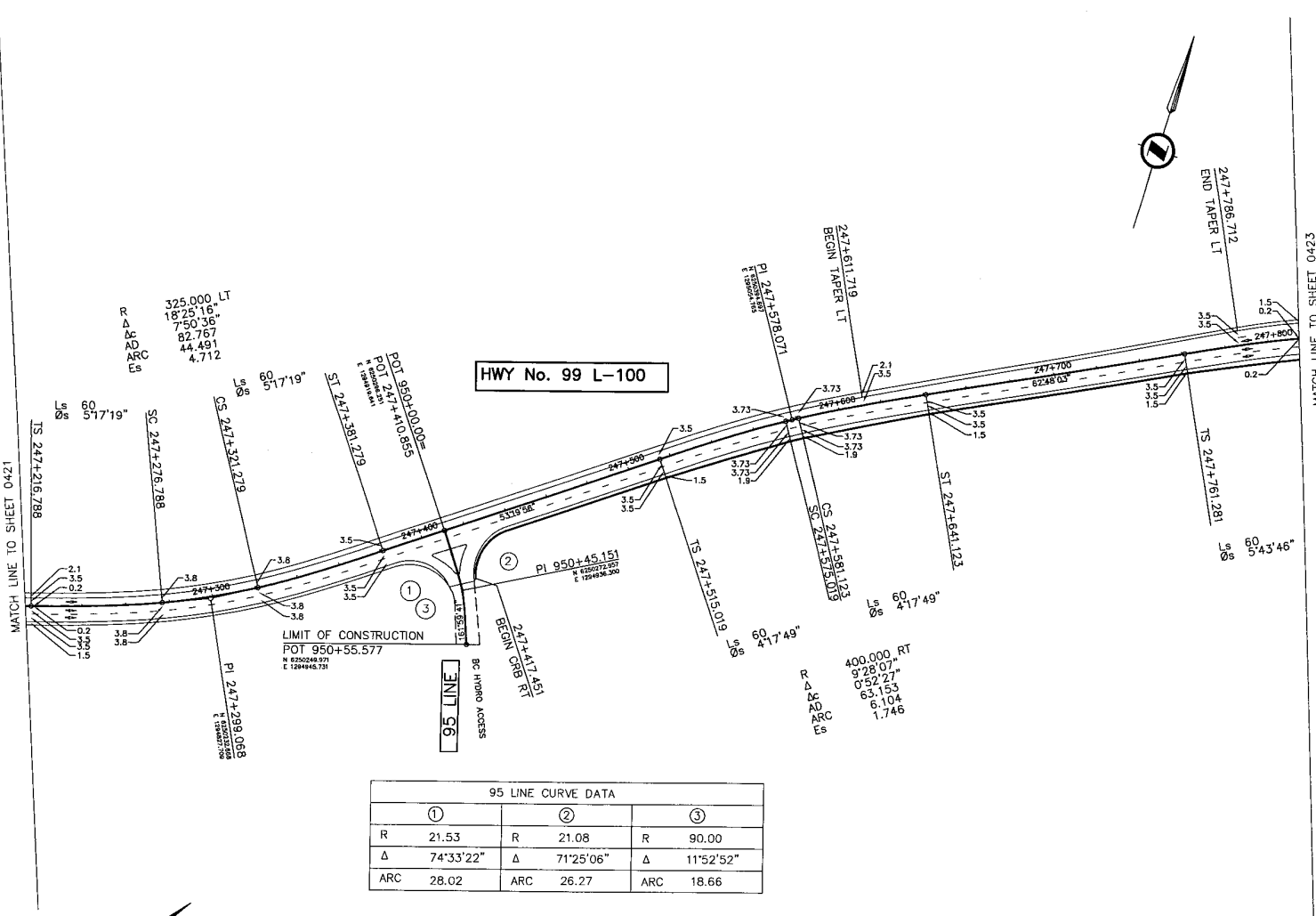
Project Managers: **Hatch Mott MacDonald**

Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE NOV. 18, 2004

FILE No. 214753-EN10-U
PROJECT No. 09901-ST33
REGION 1
DRAWING No. 41DD-DB13-0421

CANCEL PRINTS BEARING PREVIOUS LETTER



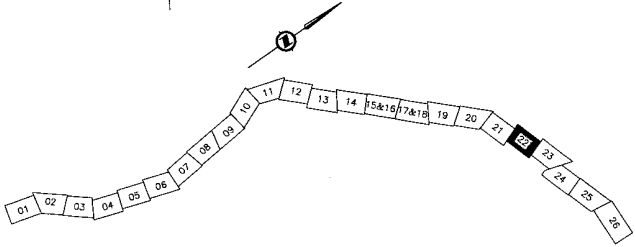
HWY No. 99 L-100

95 LINE CURVE DATA

①	②	③
R 21.53	R 21.08	R 90.00
Δ 74°33'22"	Δ 71°25'06"	Δ 11°52'52"
ARC 28.02	ARC 26.27	ARC 18.66

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/16	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SRS
TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 04/10/22
 CHECKED: MCM DATE: 04/12/22
 DRAWN: JS DATE: 04/12/22
 APPROVED: M.M. DATE: 04/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 247+214.079 TO STA 247+814.293

Project Managers: **Hatch Mott MacDonald**

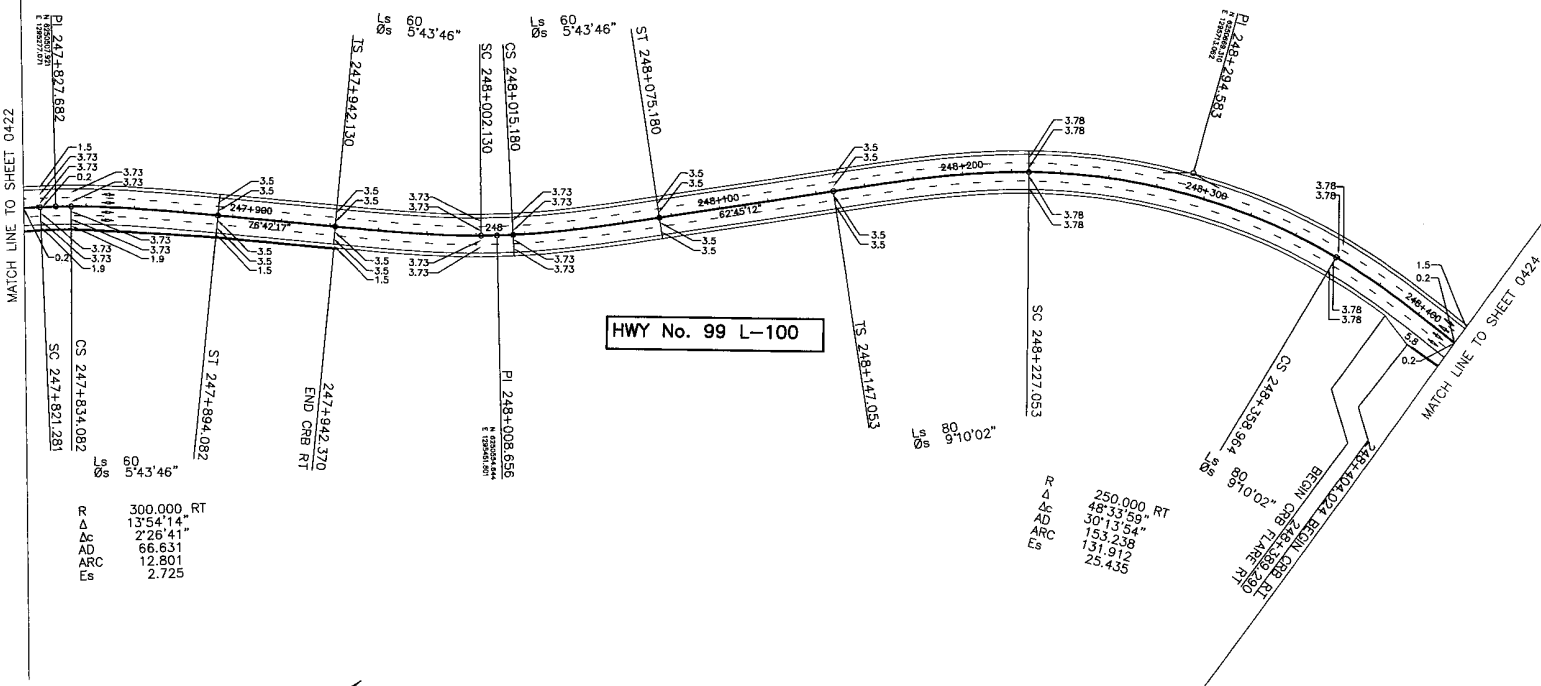
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF: M. HERTZ, SENIOR DESIGN ENGINEER

DATE: NOV. 18, 2004

FILE No. 214753-EN10-U PROJECT No. 09901-ST53 REGION 1 DRAWING No. 41DD-DB13-0422 [PC]

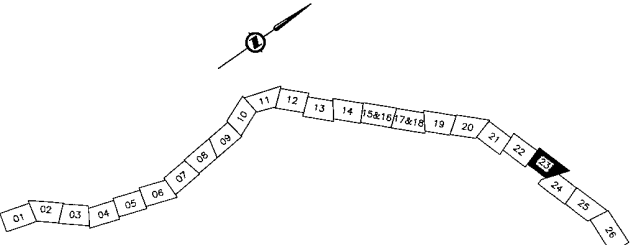
R 300.000 LT
 Δ 13°57'04"
 Δc 2'29'32"
 AD 66.757
 ARC 13.049
 Es 2.741



HWY No. 99 L-100

R 300.000 RT
 Δ 13°54'14"
 Δc 2'28'41"
 AD 66.631
 ARC 12.801
 Es 2.725

R 250.000 RT
 Δ 48°33'59"
 Δc 50'13'54"
 AD 153.238
 ARC 131.912
 Es 25.435



ALL MOVEMENTS WB20
 UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
A	ISSUED FOR REVIEW		04/10/22		
B	ISSUED FOR INFORMATION		04/11/16		
C	ISSUED FOR PROPOSAL SUBMISSION		05/01/10		

REFERENCE DRAWINGS

REVISIONS

SR
 S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: AA DATE: 04/20/08
 CHECKED: MEM DATE: 04/20/08
 DRAWN: BS DATE: 04/20/08
 APPROVED: MEM DATE: 04/17/15

MINISTRY OF TRANSPORTATION
 SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GEOMETRICS AND LANING

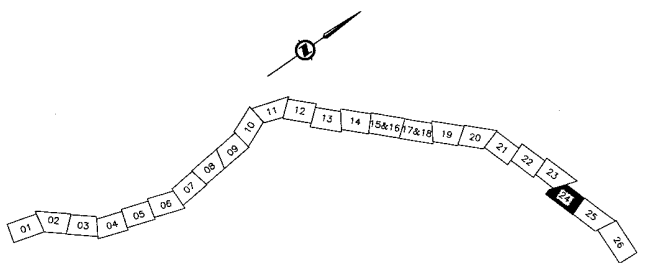
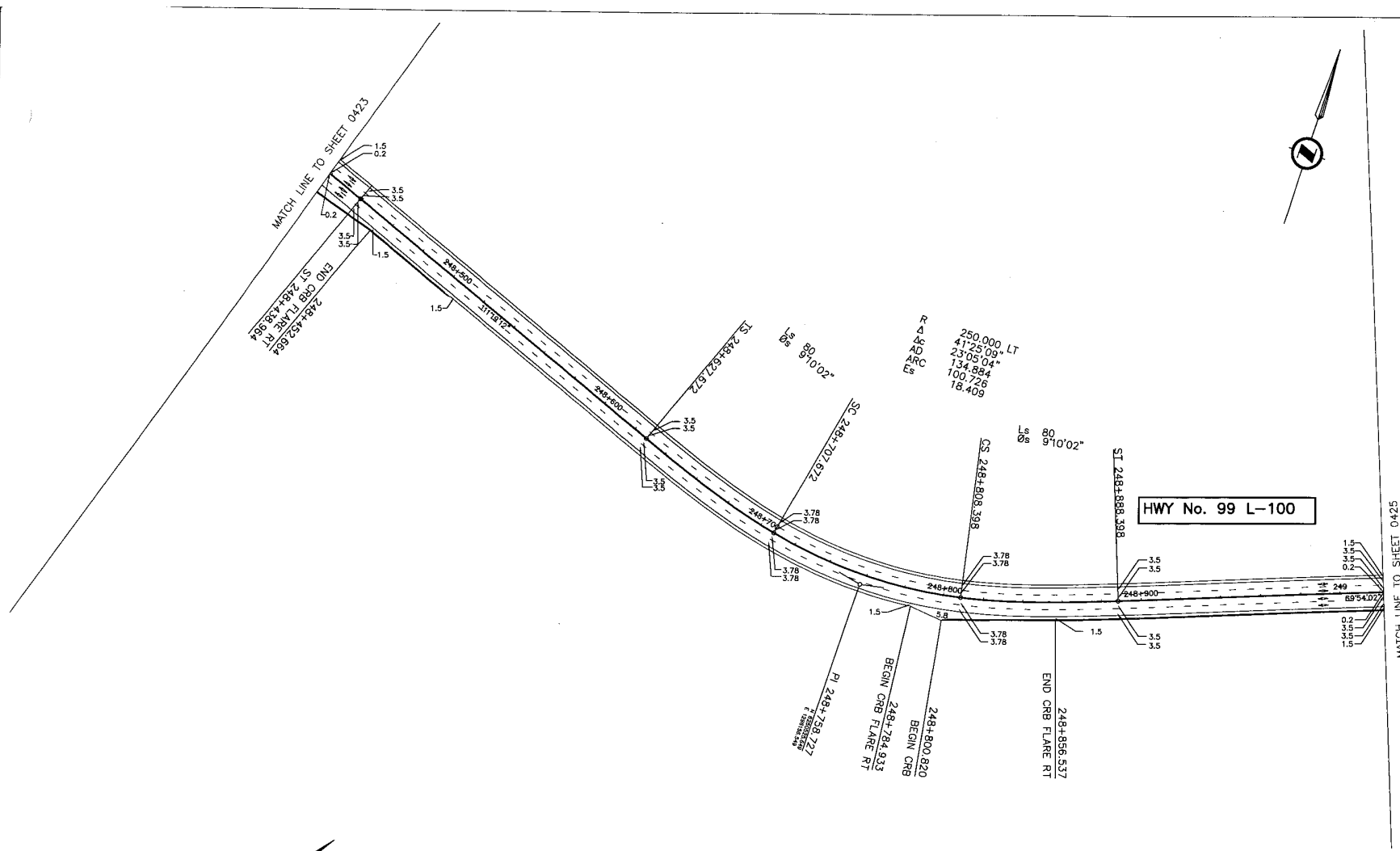
DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 247+814.293 TO STA 248+419.17

Project Managers: **Hatch Mott MacDonald**
 Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF:
 H. MERTZ
 SENIOR DESIGN ENGINEER

DATE: NOV 15, 2004

FILE No. 214753-EN10-U
 PROJECT No. 09901-ST53
 REGION 1
 DRAWING No. 41DD-DB13-0423 PC



ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h

DWG. No.	Description	Rev	Date	Description	Signature
A		04/10/22		ISSUED FOR REVIEW	
B		04/11/16		ISSUED FOR INFORMATION	
C		05/01/10		ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED	JAA	DATE	04/05/28
CHECKED	MEM	DATE	04/10/08
DRAWN	JIS	DATE	04/05/08
APPROVED	MEM	DATE	04/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO – HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 – NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 248+419.017 TO STA 249+021.885

Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 18, 2004

FILE No. 214753-EN10-U
PROJECT No. 09901-ST53
REGION 1
DRAWING No. 41DD-DB13-0424 | PC

CANCEL PRINTS BEARING PREVIOUS LETTER

MATCH LINE TO SHEET 0424

HWY No. 99 L-100

RECONSTRUCT TRAIL HEADS
WHERE INTERSECTED BY NEW HIGHWAY

300.000 LT
22°10'36"
16'43'03"
88.882
56.117
6.216

60° 5'43'46"

TS 249+139.715
SC 249+199.715
CS 249+259.832
SI 249+315.832
PI 249+227.656

249+604.44
BEGIN ORB LT

PI 249+647.542

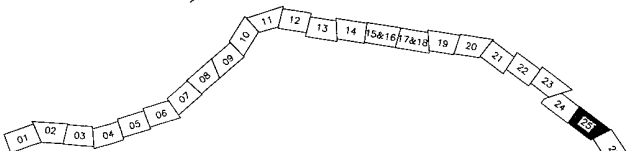
300.000 RT
64°31'55"
53'04'22"
219.709
277.890
55.378

BEGIN TAPE PER
SC 249+437.129

MATCH LINE TO SHEET 0425

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	24/10/22	ISSUED FOR REVIEW	
		B	24/11/16	ISSUED FOR INFORMATION	
		C	25/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

REVISIONS

SIR
S2S TRANSPORTATION GROUP

SCALE 0 1:1000 50

DESIGNED: JA DATE: 04/20/28
CHECKED: MEM DATE: 04/20/28
DRAWN: SC DATE: 04/20/28
APPROVED: MEM DATE: 24/11/16

MINISTRY OF TRANSPORTATION
SEA TO SKY HIGHWAY IMPROVEMENT PROJECT

DBFO -- HORSESHOE BAY TO WHISTLER
GEOMETRICS AND LANING

DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 249+021.885 TO STA 249+743.996

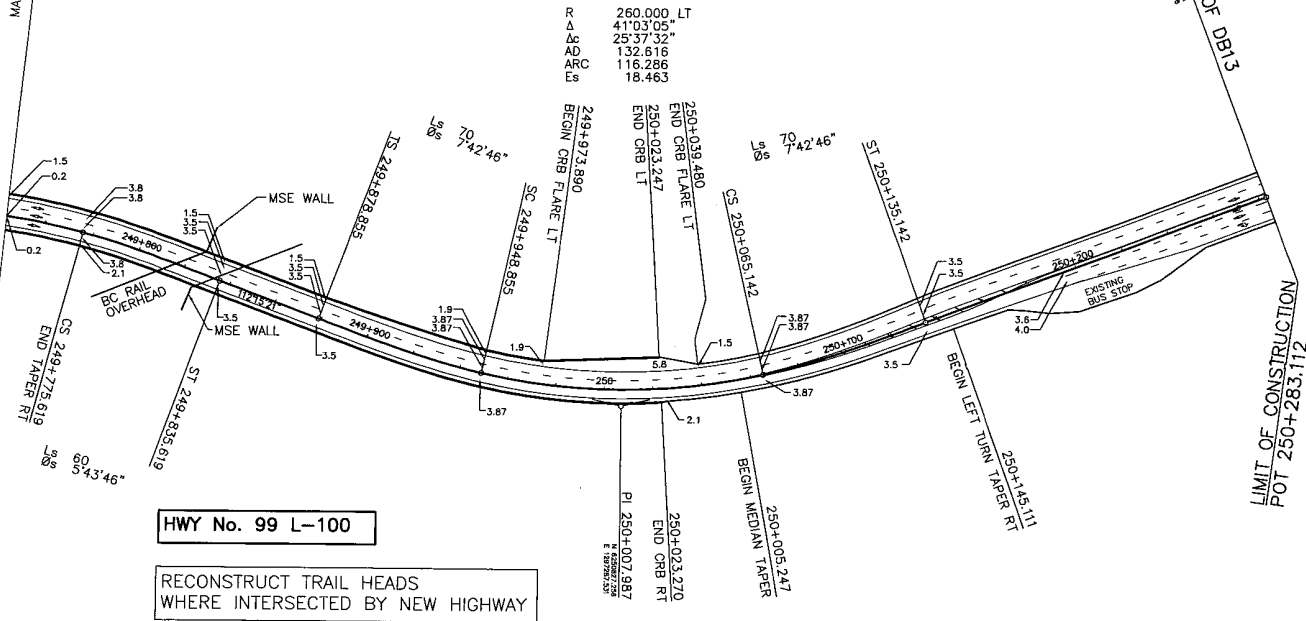
Project Managers: **Hatch Mott MacDonald**
Design Consultant: **uma**

PREPARED UNDER THE DIRECTION OF
M. MERTZ
SENIOR DESIGN ENGINEER
DATE: NOV 15 2024
DRAWING NO.

FILE No. 214753-EN10-U
PROJECT No. 09901-ST53
REGION 1
41DD-DB13-0425 PC



MATCH LINE TO SHEET 0425

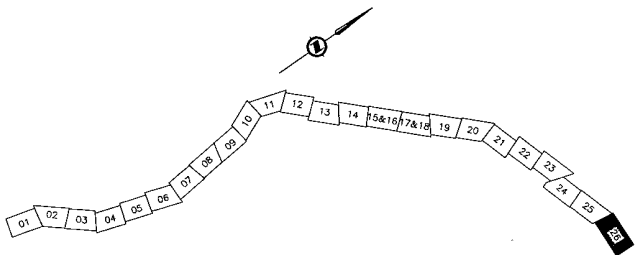


HWY No. 99 L-100

RECONSTRUCT TRAIL HEADS
WHERE INTERSECTED BY NEW HIGHWAY

ALL MOVEMENTS WB20
UNLESS OTHERWISE NOTED

DESIGN SPEED 80km/h



DWG. No.	Description	Rev	Date	Description	Signature
		A	04/10/22	ISSUED FOR REVIEW	
		B	04/11/14	ISSUED FOR INFORMATION	
		C	05/01/16	ISSUED FOR PROPOSAL SUBMISSION	

REFERENCE DRAWINGS

Rev	Date	Description	Signature

REVISIONS

TRANSPORTATION GROUP		MINISTRY OF TRANSPORTATION SEA TO SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DBFO - HORSESHOE BAY TO WHISTLER GEOMETRICS AND LANING	
DESIGNED: J.A. DATE: 04/15/09 CHECKED: M.M. DATE: 04/23/09 DRAWN: J.C. DATE: 04/23/09 APPROVED: M.M. DATE: 04/21/09		DB13 - NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 249+743.996 TO STA 250+283.112	
Project Managers 		Design Consultant 	
FILE No. 214753-EN10-U		PREPARED UNDER THE DIRECTION OF M. MERTZ SENIOR DESIGN ENGINEER DATE NOV 18 2004 DRAWING No.	
PROJECT No. 09901-ST53		REGION 1	
41DD-DB13-0426		DRAWING No. PC	

PLANNED SOURCE READING DEPARTMENT LETTERED



BRITISH COLUMBIA

Ministry of Transportation

PROJECT NO. 09901

SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT DBFO - HORSESHOE BAY TO WHISTLER ANNEX 1 TO PART 5 OF SCHEDULE 5 SPECIFICATION DRAWINGS



SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9



DRAWING No.
41DD-DB00-0000 | 1

C:\Users\p3610538\OneDrive\Documents\41DD-DB00-0000.dwg

LEGEND

EXISTING

AERIAL UTILITIES

Deadman	⊕
Anchor / Guy Wire	—
High Tension Pole	⊙
High Tension Tower	⊙
Power Guy Pole	⊙
Power Pole	⊙
Power Pole with Transformer	⊙
Power / phone with Transformer	⊙
Power / Phone Pole	⊙
Telephone Pole	⊙
Telephone Guy Pole	⊙
Pedestal (B.C. Tel.)	⊙
Telephone Booth	⊙
Power / Phone Guy Pole	⊙

SURVEY

Bench Mark	⊕
Standard Iron Pin	⊙
Lead Plug	⊙
Wooden Post	⊙
Witness Post	⊙
Reference Point	⊙
Monument	⊙
Aluminum Post	⊙
Angle Iron	⊙
Standard Brass Cap	⊙
Concrete Post	⊙
Dominion Iron Pin	⊙
Unmarked Measured Point	⊙
Rock Post	⊙
Round Iron Post	⊙
Square Iron Post	⊙
Detail Hub (etc.)	⊙
Test Hole	⊙
Test Pit	⊙
Spot Elevation	⊙

DETAIL

Concrete Pillar	⊙
Guard Post	⊙
Piling	⊙
Gate Post	⊙
Road Sign	⊙
Well	⊙
Tree	⊙
Decorative Tree	⊙
Delineator Post	⊙
Flag Pole	⊙
Mail Box	⊙
Commercial Message Sign	⊙

EXISTING

DRAINAGE

Catch Basin / Manhole	■
Culvert Outlet	—
Culvert Inlet	—
Drainage Grate	■
Manhole (Existing)	●
Catch Basin (Existing)	■
Culvert Vink	•

METERS

Service Meter	⊙
Water Meter	⊙
Valve	⊙
Water Valve	⊙
Fire Hydrant	⊙
Gas Valve	⊙

UNDERGROUND

Filler Cap	⊙
Fuel / Gas Pump	⊙
Fuel Tank	⊙
Septic Tank	⊙
Underground Marker	⊙
Breather / Vent Pipe	⊙

ELECTRICAL

Traffic Signal Control Box	⊙
Electrical Outlet	⊙
Junction Box	⊙
Kiosk	⊙
Lamp Standard	⊙
Traffic Signal	⊙
Traffic Counter	⊙
Utility Pole	⊙

PROPOSED

DRAINAGE

Catch Basin	■
Manhole	■
Asphalt Spillway	■
Splash Pad in Cut	■
Splash Pad in Fill	■
Ditch Inlet Structure	■
Cleanout	■
Riprap Outfall Apron	■

EXISTING

LEGAL LINETYPES

International Bdy.	—
Section/District Bdy.	—
Parcel Boundary/Old Road R/W	—
Quarter Section	—
Easement	—

MAN MADE FEATURES LINETYPES

Centerline Road	—
Edge of Pavement	—
Concrete Barrier	—
Dirt Road/Driveway	—
Fence	—
Gravel Road/Driveway	—
Hedge/Bush/Tree Line	—
Railway	—
Retaining Wall	—
Guard Rail	—
Paint Lines - Solid	—
- Dashed	—

UNDERGROUND UTILITIES LINETYPES

Gas Main	—
Oil	—
Sanitary Sewer Line	—
Storm/Sewer Drain	—
Electrical Cable	—
Miscellaneous	—
Telephone Cable	—
Water Main	—
Culvert	—

OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
-------------------	---

HYDRAULIC LINETYPES

Creek/Ditch/Stream	—
Edge of Water	—

PROPOSED

LEGAL LINETYPES

Highway Right of Way	—
Easement	—

CONSTRUCTION DETAILS LINETYPES

Berm	—
Clearing and Grubbing	—
Stripping	—

SURFACE DETAIL LINETYPES

Centerline Alignment	—
Edge of Pavement	—
Retaining Wall	—
Concrete Barrier	—
Slope Toes	—
Ditch/Swale	—
Fence	—
Point Lines - Solid	—
- Dashed	—

UNDERGROUND UTILITIES LINETYPES

Gas Main	—
Oil	—
Sanitary Sewer Line	—
Storm/Sewer Drain	—
Electrical Cable	—
Miscellaneous	—
Telephone Cable	—
Water Main	—
Culvert	—

OVERHEAD UTILITIES LINETYPES

HIGH TENSION WIRE	—
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SNC-LAVALIN 1800 - 1070 West Georgia Street Vancouver, B.C. Canada V6E 3C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED BY LICHTENHEIMER DATE 2004-02-25 DRAWN BY ERICKSON DATE 2004-02-25 CHECKED BY HANCOCK DATE 2004-04-30 APPROVED BY TASHBA DATE 2004-04-29		DBFO-HORSESHOE BAY TO WHISTLER LEGEND	
SCALE 1x 04-04-30 ISSUED FOR REQUEST FOR PROPOSAL 0 04-08-17 ISSUED FOR TENDER		SENIOR DESIGN ENGINEER DATE FILE No. PROJECT No. RES. DRAWING No. 016315-EN10-S 09901-7005 1 41DD-DB00-0002 0	
PROFESSIONAL SEAL		REVISIONS	

DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS

FILE: 2004/02/25 - 8:57am to: 2004/04/30 - 8:57am
 FILE: 2004/04/30 - 8:57am to: 2004/08/17 - 8:57am
 FILE: 2004/08/17 - 8:57am to: 2004/08/17 - 8:57am

SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT DRAWING NUMBERING SYSTEM

Internal Coding
(Sample below for SNC Lavalin use,
Consultant/Contractor to insert own drawing number)

0 1 6 3 1 5 - X X 0 0 - X -

Internal Project No.
SNC-Lavalin Project No.

Task Code
 PM00 - General Project Management
 PM02 - Public & Stake Holder Communications
 PM03 - Socio-Economic Impact Studies
 EN00 - Preliminary Design Management
 EN01 - Preliminary Alignment HSB - Squamish
 EN09 - Design Criteria
 EN10 - DBFO RFP Plans
 EN02 - Preliminary Alignment Squamish Whistler
 CN00 - Construction Planning and Estimating
 CN01 - Traffic Management and Operations
 SM01 - Survey and Mapping

Consultant/Company
 S - SNC-Lavalin
 B - R.F.Binnie
 G - Golder

Discipline
 41 - Civil
 42 - Structural
 43 - Trackwork
 44 - Architecture (Landscape)
 45 - Mechanical
 46 - Environmental
 47 - Electrical
 48 - Geotechnical / Hydrological

Document Identifier
 DK - Sketch
 DD - Drawing

Drawing No.

0 0 X 0 - X X 0 0 - 0 0 0 0

Location
 00 - Project Wide or No Location Specific
 01 - Section (DB)1
 02 - Section (DB)2
 03 - Section (DB)3
 .
 .
 HS - Horseshoe Bay - Squamish (South Half)
 HF - Horseshoe Bay - Furry Creek
 FS - Furry Creek - Squamish
 SW - Squamish - Whistler (North Half)
 SC - Squamish - Cheakamus
 CW - Cheakamus - Whistler
 HL - Horseshoe Bay - Lions Bay

Design Level
 CP - Conceptual Planning
 PA - Preliminary Alignment
 PD - Preliminary Design
 DD - Detail Design
 DC - Design Criteria
 DB - Design Build

Design Build
 00 - General
 01 - Not Used
 02 - Right-Of-Way Plans

Drawing Type

Conceptual Planning
 00 - General
 01 - Existing Conditions Plans
 02 - Issues & Constraints Plans
 03 - Profiles
 90 - Miscellaneous



Preliminary Alignment
 00 - General
 01 - Plans
 02 - Profiles
 03 - Typical Sections
 04 - Preliminary Clearing Limits
 05 - Preliminary Clearing Limits (with ortho photos)
 90 - Miscellaneous

Preliminary Design
 00 - General
 01 - Plans
 02 - Profiles
 03 - Typical Sections
 04 - Geometrics and Laning
 05 - Drainage and Utilities
 20 - Detours and Staging
 30 - Properties
 90 - Miscellaneous

Detail Design

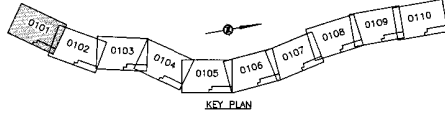
Civil	Structural
00 - General	00 - General
01 - Plans	01 - Details
02 - Profiles	02
03 - Typical Sections	.
04 - Geometrics and Laning	.
05 - Drainage and Utilities	.
06 - Spot Elevations	.
07 - Signing and Pavement Markings	.
20 - Detours and Staging	.
30 - Properties	.
90 - Miscellaneous	.

PRELIMINARY
FOR INFORMATION ONLY
2004-08-11

 SNC-LAVALIN <small>100 - 1070 West Georgia Street Vancouver, B.C. Canada V6E 3G9</small>	 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT																																																						
DBFO - HORSESHOE BAY TO WHISTLER DRAWING NUMBERING SYSTEM																																																							
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PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature																																																	
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DATE: 2004/07/28 09:41:11 AM BY: JAV/ML/ML - 01700
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 USER: JAV/ML/ML

SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT TITLE BLOCK



Logos to be replaced by other consultants for their drawings

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C9	 DBFO 4-9001	 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	DBFO - HORSESHOE BAY TO WHISTLER LINE 2 : Drawing Title LINE 3 : (Optional) LINE 4 : Location LINE 5 : Chainage
DESIGNED: _____ DATE: _____ DRAWN: _____ DATE: _____ CHECKED: _____ DATE: _____ APPROVED: _____ DATE: _____		SENIOR DESIGN ENGINEER: _____ DATE: _____	
SCALE: _____		FILE No. PROJECT No. REG. DRAWING No. 016315-EN10-S 09901-7005 1 41DK-PAHS-0101 PA	
CANCEL PRINTS BEARING PREVIOUS LETTER			

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature

First name initial and last name

Consultant file reference number / DBFO Contractor Drawing Number

MOT Project number / DBFO Contractor contract number

Drawing number (see Dwg. No. 41DD-DB00-0001)

Revision number
 Use PA, PB, PC, etc. for preliminary revisions (coordination, approval);
 Use 00 at the tender/construction stage;
 Use 01, 02, 03, etc., for subsequent revisions.

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C9	 DBFO 4-9001	 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	DBFO - HORSESHOE BAY TO WHISTLER TITLE BLOCK
DESIGNED: M. LICHTENSTEDER DATE: 2004-02-25 DRAWN: M. KROK DATE: 2004-02-25 CHECKED: S. MATHIAS DATE: 2004-04-23 APPROVED: J. TOOKS DATE: 2004-04-23		SENIOR DESIGN ENGINEER: _____ DATE: _____	
SCALE: _____		FILE No. PROJECT No. REG. DRAWING No. 016315-EN10-S 09901-7005 1 41DD-DB00-0004 0	

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature

DATE: 2004/04/14 - 8:24am
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 41DD-DB00-0004.dwg

**SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
GENERAL NOTES**

1. THE DRAWINGS SHALL BE READ TOGETHER WITH ALL THE CONTRACT DOCUMENTS FOR THE DBFO PACKAGE FROM HORSESHOE BAY TO WHISTLER AND CAN BE CLASSIFIED AS FOLLOWS:

INFORMATION – DRAWING LIST; SECTION AND STATIONING REFERENCE PLAN; KEY PLANS; GRADE-SEPARATED INTERCHANGES

MINIMUM REQUIREMENTS – TYPICAL SECTIONS; LANING SCHEMATIC; LEGEND; DRAWING NUMBERING SYSTEM; TITLE BLOCK; GENERAL NOTES

CONSTRAINTS – RIGHT-OF-WAY PLANS, ACCESS REQUIREMENTS (WITHIN PLAN, PROFILE AND LANING SCHEMATIC)

FOR DETAILS OF MINIMUM REQUIREMENTS SEE VOLUME 3, SECTION 2.1 OF THE RFP.

2. MORE SPECIFIC PRELIMINARY ALIGNMENT, PRELIMINARY DESIGN, CONSTRUCTION DETAILS AND UTILITY INFORMATION FOR EACH SECTION ARE PROVIDED IN THE SEA-TO-SKY (STS) DATA ROOM.

3. DESIGN BUILD (DB) SECTIONS DESCRIBED HEREIN ARE NOT AT THE SAME LEVEL OF DETAIL. THE STATUS OF DESIGN OF EACH SECTION AS SHOWN ON THE LANING SCHEMATIC AND ROW PLANS ARE AS FOLLOWS:

- DB1 – FUNCTIONAL DESIGN, NO PROPOSED ROW
- DB2 – PRELIMINARY DESIGN – DESIGN AND BUILD CONTRACT
- DB3 – ~~BONE BY OTHERS~~ PRELIMINARY DESIGN
- DB4 – FUNCTIONAL DESIGN
- DB5 – PRELIMINARY DESIGN
- DB6 – PRELIMINARY DESIGN
- DB7 – PRELIMINARY DESIGN
- DB8 – FUNCTIONAL DESIGN
- DB9 – PRELIMINARY ALIGNMENT
- DB10 – DETAILED DESIGN – CONSTRUCTION BY OTHERS
- DB11 – DETAILED DESIGN – CONSTRUCTION BY OTHERS
- DB12 – PRELIMINARY DESIGN
- DB13 – PRELIMINARY DESIGN

FOR MORE DETAILS ON THE STATUS OF EACH SECTION REFER TO THE REQUEST FOR PROPOSAL (RFP) DOCUMENTS.

4. THE PRELIMINARY ALIGNMENT AND PRELIMINARY DESIGNS WITHIN THESE DRAWINGS ARE SHOWN AS A GUIDE ONLY. THE DBFO PROPONENTS SHALL VALIDATE AND OPTIMIZE THE DESIGNS AND SATISFY THEMSELVES AS TO THEIR ACCURACY AND CORRECTNESS.

5. THE DRAWING LEGEND FOLLOWS MOT GUIDELINES AND SHALL BE ADOPTED BY ALL DESIGN BUILD FINAL OFFER (DBFO) PROPONENTS. IN ADDITION, DRAFTING STANDARDS PREPARED BY SNC LAVALIN AND LOCATED WITHIN THE STS DATA ROOM SUPPLEMENTS DETAILS SHOWN ON THE LEGEND AND SHALL ALSO BE ADOPTED BY DBFO PROPONENTS.

6. THE DRAWING NUMBERING SYSTEM AND TITLE BLOCK SHALL BE ADOPTED FOR ALL DRAWINGS PRODUCED BY DBFO PROPONENTS.

7. EXPLANATION OF PROJECT STAGES WITHIN SECTIONING AND STATIONING REFERENCE PLANS/KEY PLANS ARE AS FOLLOWS:

- WP – WORK PACKAGES ORIGINALLY ADOPTED FOR DISCRETE PROJECTS AND CURRENTLY USED FOR OWNER'S SCHEDULE PURPOSES.
- LKI – LANE KILOMETRE INDEX UTILIZED BY THE MOT ALONG THE EXISTING ALIGNMENT.
- PA – PRELIMINARY ALIGNMENT PREPARED FOR WHOLE CORRIDOR FROM HORSESHOE BAY TO WHISTLER BY SNC LAVALIN. LKI STATION VALUES WERE ADJUSTED BY THE ADDITION OF A 100km CONSTANT FROM HORSESHOE BAY TO SQUAMISH AND A 200km CONSTANT FROM SQUAMISH TO WHISTLER. CHAINAGE EQUATIONS AT EACH SECTION LIMIT, TAKE ACCOUNT OF THE CHANGE OF PRELIMINARY DESIGN ALIGNMENT FROM THE EXISTING ALIGNMENT.
- PD – PRELIMINARY DESIGN PREPARED BY INDIVIDUAL DESIGN CONSULTANTS FOR UNIQUE SECTIONS. EACH SECTION WAS SURVEYED WITH A TIE-IN TO AN EXISTING FEATURE USING THE LKI. THE NEW DESIGN ALIGNMENT RESULTS IN A CHAINAGE EQUATION AT THE END OF EACH SECTION.
- DB – DESIGN BUILD, WHICH TAKES INTO ACCOUNT ADJUSTMENTS IN THE POSITION OF SECTION LIMITS AND TRANSITION FROM ADJACENT SECTIONS TO OBTAIN DEFINED SECTION LIMITS SET BY A SINGLE POINT CO-ORDINATE.

8. DBFO PROPONENTS SHALL VALIDATE THE ACCURACY AND CORRECTNESS OF ALL DESIGN INFORMATION PROVIDED INCLUDING THE TRANSITIONS BETWEEN SECTION LIMITS BEFORE USING THIS INFORMATION TO PREPARE DETAILED DESIGN. ALL TRANSITIONS BETWEEN EITHER CHANGES IN LANING OR CHANGES IN CROSS SECTION SHALL BE GRADUAL AND IN ACCORDANCE WITH THE TAC DESIGN MANUAL.

9. SURVEY ZONING SHOWN WITHIN THIS DRAWING PACKAGE ARE SEPARATE SURVEY ZONES DUE TO THE SHARP INCREASE IN HEIGHT ABOVE SEA LEVEL ON THE STS HIGHWAY AND WERE USED FOR PREPARING PRELIMINARY ALIGNMENT PLANS. THIS SYSTEM SHALL BE USED FOR ALL FUTURE SURVEY, DESIGN AND CONSTRUCTION AND IS DESCRIBED IN THE SURVEY AND MAPPING REPORTS WITHIN THE STS DATA ROOM.

10. TYPICAL SECTIONS DEFINE MINIMUM REQUIREMENTS FOR LANE WIDTHS, LANE CONFIGURATION, SHOULDER WIDTH, MEDIAN WIDTH, DITCH SHAPE AND CUT AND FILL ANGLES. FOR ADDITIONAL INFORMATION ON DESIGN CRITERIA PLEASE REFER TO HIGHWAY DESIGN CRITERIA WITHIN VOLUME 3 OF THE RFP DOCUMENTS.

11. THE RIGHT-OF-WAY (ROW) PLANS SHOW THE EXISTING ROW PREPARED FROM MOT HIGHWAY PLANS AND PRELIMINARY DESIGN SURVEYS TOGETHER WITH THE ROW THAT THE MOT IS PRESENTLY ACQUIRING. FOR DETAILS ON ADJUSTMENTS OR ADDITIONS TO PROPERTY ACQUISITION REFER TO THE RFP DOCUMENTS.

12. AT SIDE ROADS, THE ROW FOR HIGHWAY 99 HAS BEEN EXTENDED PARALLEL TO THE DESIGN/ALIGNMENT CENTRELINE.

13. WHERE THERE IS NO PROPOSED ROW SHOWN, THERE IS EITHER NO PLANNED WORK IN THIS AREA OR PRELIMINARY DESIGN HAS NOT BEEN COMPLETED.

14. ROW ACQUISITION SHOWN AS FOR "SLOPE STABILIZATION" IS FOR THE PURPOSE OF SLOPE STABILIZATION WORK ONLY.

15. FOR DETAILS OF OPERATIONS DURING OLYMPIC PERIOD PLEASE SEE VOLUME 4 OF THE RFP DOCUMENT.

16. STATION VALUES FOR SECTION DB1, 10 & 11 PREPARED BY DESIGNERS ARE NOT CONSISTENT WITH THE REST OF THE CORRIDOR. DBFO DRAWING NUMBERS 41DD-DB01-0000 TO 0209 HAVE BEEN PREPARED WITH THE ORIGINAL STATION VALUES AMENDED TO BE CONSISTENT WITH THE REST OF THE DRAWING PACKAGE. ALL FUTURE DRAWINGS SUBMITTED BY PROPONENTS SHALL ADOPT THE DESIGN BUILD STATION SYSTEM THROUGHOUT (AS SHOWN ON DRAWINGS 41DD-DB00-0009 AND 0010).

DATE: 2009/12/11 11:12 AM BY: 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L) - 10147 (L)

PROFESSIONAL SEAL	ORIG. No.	Description

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-06	ISSUED FOR REQUEST FOR PROPOSAL	MAL
D	04-08-07	ISSUED FOR TENDER	MAL
1	04-11-08	GENERAL REVISION	MAL

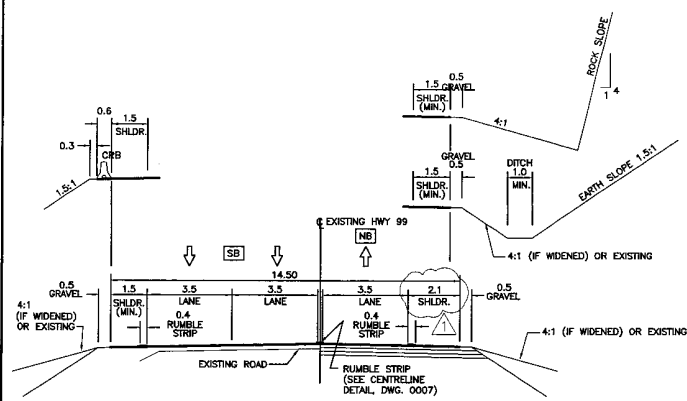
REVISIONS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

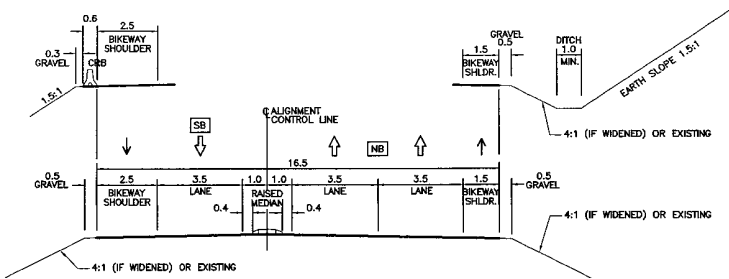
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

**DBFO – HORSESHOE BAY TO WHISTLER
GENERAL NOTES**

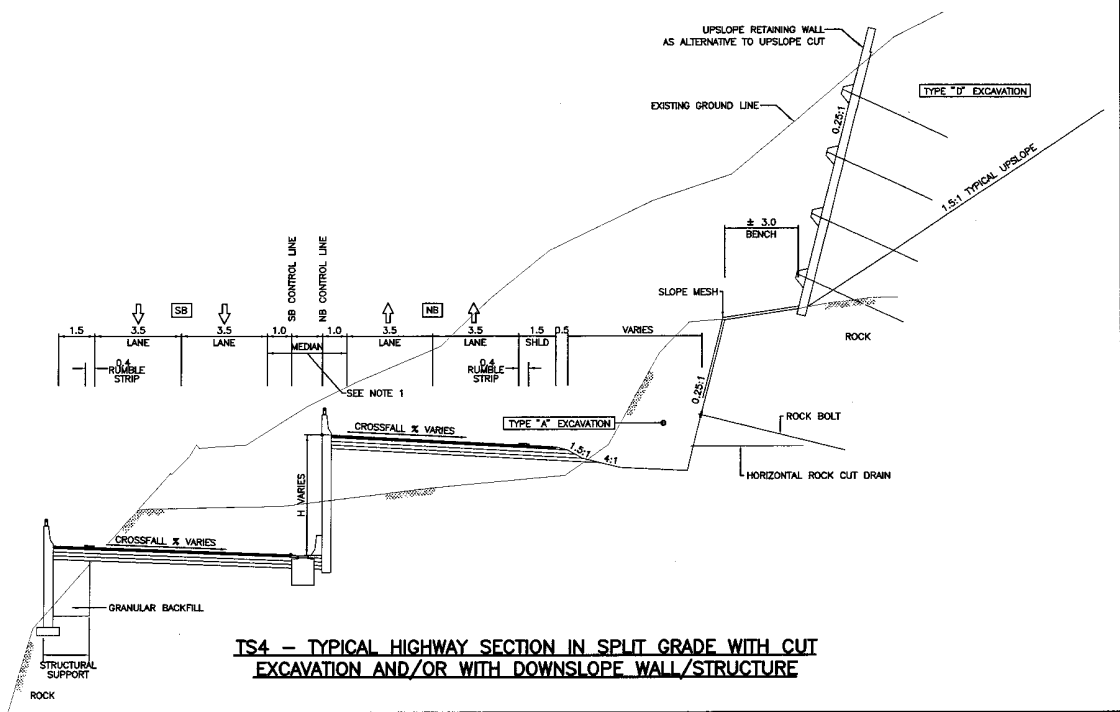
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB00-0005



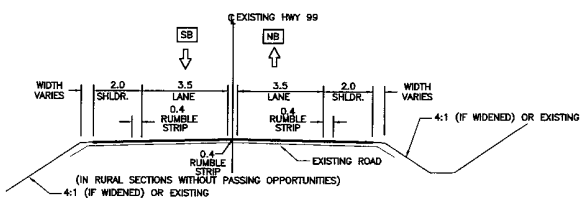
TS1 - POST OLYMPIC 3 LANE SECTION UNDIVIDED (14.5m)



TS3 - 3 LANE SECTION DIVIDED - URBAN

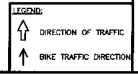


TS4 - TYPICAL HIGHWAY SECTION IN SPLIT GRADE WITH CUT EXCAVATION AND/OR WITH DOWNSLOPE WALL/STRUCTURE



TS2 - POST OLYMPIC 2 LANE SECTION UNDIVIDED

- NOTES FOR RUMBLE STRIPS:**
1. OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ± 10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WIDTH.
 2. LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
 3. WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ± 2mm).
 4. SPACING 'S' BETWEEN STRIPS IS 300mm.
 5. FOR FURTHER DETAILS, SEE MOT TECHNICAL BULLETINS DSD4001 AND DSD4002.
 6. CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN) SUBJECT TO MOT APPROVAL.
 7. FOR DETAILS OF USE OF RUMBLE STRIP DURING OLYMPIC PERIOD SEE NOTE 14 OF GENERAL NOTES (#100-1000-0005).
 8. 400mm WIDTH BETWEEN LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.



PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
0	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	CL
0	04-08-17	ISSUED FOR TENDER	CL
1	04-11-10	DIMENSION 2.3 CHANGED TO 2.1	CL

REFERENCE DRAWINGS

REVISIONS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

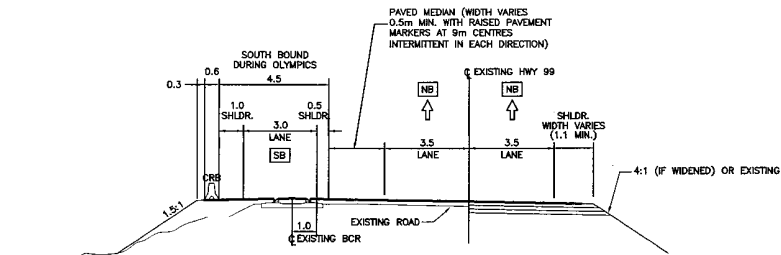
DESIGNED **G. LISSEAU** DATE 2004-04-09
DRAWN **M. BONDY / S. LAM** DATE 2004-04-20
CHECKED **G. MATHIEU** DATE 2004-04-22
APPROVED **J. TOUSSAINT** DATE 2004-04-22

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

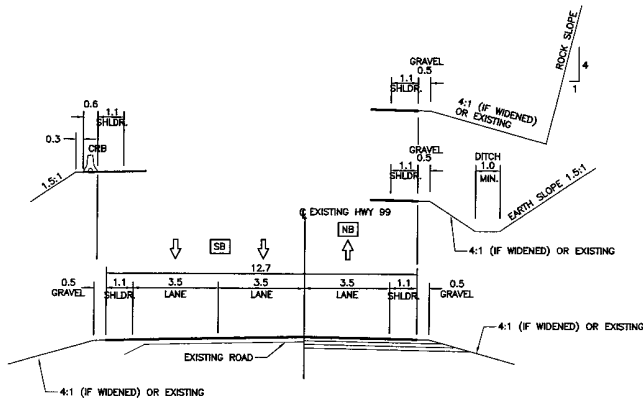
DBFO - HORSESHOE BAY TO WHISTLER
TYPICAL SECTIONS
SHEET 1 OF 3

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB00-0006

TS5 - NOT USED



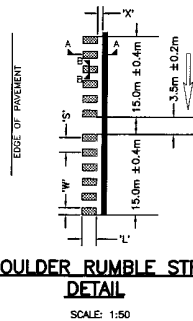
TS7 - OLYMPIC TEMPORARY 3 LANE SECTION (RAIL DETOUR OPTION) IN DB5



TS6 - OLYMPIC TEMPORARY 3 LANE SECTION UNDIVIDED (12.7m)

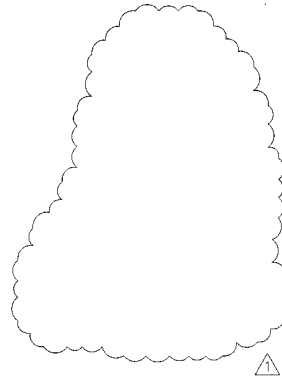
NOTES FOR TS6:

- FOR USE IN SECTION DB4 AND AT BRITANNIA BEACH AND MURRIN PARK IN DB6 AND DB7 RESPECTIVELY.
- PULLOUTS TO BE PROVIDED AT 500m CENTRES ON SINGLE LANE SIDE.
- FOR EXISTING BRIDGES IN SECTIONS DB4,5,6,7,12 AND 13 WITH A MINIMUM ROAD WIDTH OF 10.9m, TYPICAL 3-LANE SECTIONS LESS THAN 12.7m WIDE MAY BE CONSIDERED BY DBFO CO. FOR THE DURATION OF THE OLYMPIC PERIOD PROVIDING GOOD ENGINEERING DESIGN AND SAFETY PRACTICES AND STRUCTURAL ADEQUACY ARE DEMONSTRATED. (SEE RFP VOL.3 SECTION 2.1, AND RFP VOL.4 FOR OLYMPIC OPERATIONS CRITERIA).



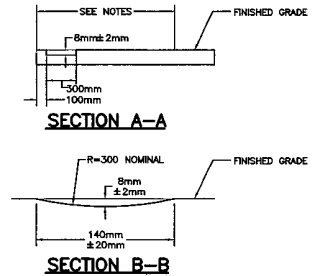
SHOULDER RUMBLE STRIP DETAIL

SCALE: 1:50



CENTRELINE RUMBLE STRIP DETAIL (WITHOUT MEDIAN)

SCALE: 1:50



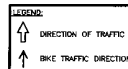
SECTION A-A

SECTION B-B

NOTES FOR RUMBLE STRIPS:

- OFFSET 'X' FROM THE EDGE OF THE LANE PAINTLINE IS 100mm ± 10mm; MAY BE REDUCED TO 0mm TO MAINTAIN CYCLING WIDTH.
- LENGTH OF RUMBLE STRIP 'L' IS 300mm ± 10mm.
- WIDTH 'W' IS NOMINALLY 140mm ± 20mm, BASED ON THE TOLERANCE OF THE CUT DEPTH (8mm ± 2mm).
- SPACING 'S' BETWEEN STRIPS IS 300mm.
- FOR FURTHER DETAILS, SEE M03 TECHNICAL BULLETINS 2604001 AND 0504002.
- FOR DETAILS OF USE OF RUMBLE STRIP DURING OLYMPIC PERIOD SEE NOTE 15 OF GENERAL NOTES (41DD-DB00-0005).
- 400mm WIDTH BETWEEN LANE MARKINGS IS AN ADDITIONAL 200mm TO THE STANDARD CENTRELINE CONFIGURATION.

DATE: 2004-04-22
 DRAWN: M. ENDEZ C. LAM
 CHECKED: G. MATHIEUX
 APPROVED: J. BOGARD
 FILE NO.: 016315-EN10-S
 PROJECT NO.: 09901-7005
 SHEET NO.: 1
 DRAWING NO.: 41DD-DB00-0007



PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	GL
0	04-08-17	ISSUED FOR TENDER	GL
1	04-11-24	REVISED NOTES	GL

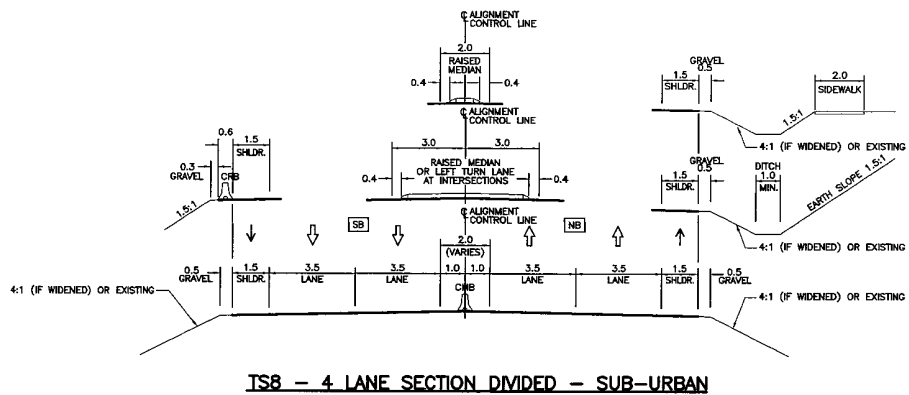
SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

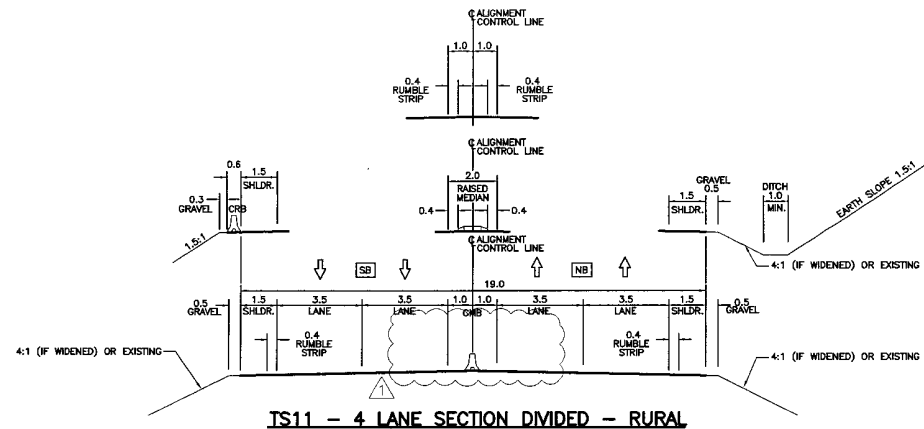
DBFO - HORSESHOE BAY TO WHISTLER

TYPICAL SECTIONS
SHEET 2 OF 3

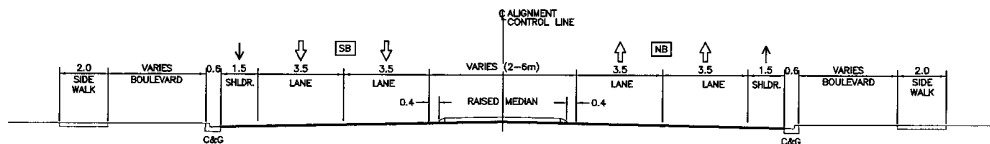
SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV.	DRAWING NO.
1	41DD-DB00-0007



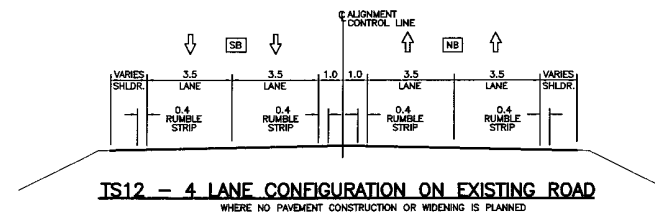
TS8 - 4 LANE SECTION DIVIDED - SUB-URBAN



TS11 - 4 LANE SECTION DIVIDED - RURAL

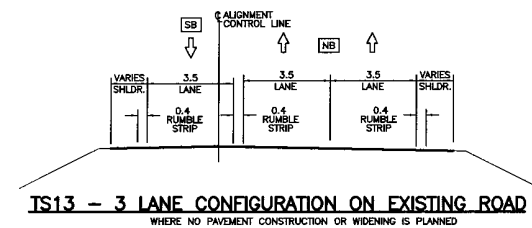


**TS9 - 4 LANE SECTION DIVIDED
CURB AND GUTTER BOTH SIDES - URBAN**



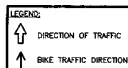
**TS12 - 4 LANE CONFIGURATION ON EXISTING ROAD
WHERE NO PAVEMENT CONSTRUCTION OR WIDENING IS PLANNED**

TS10 - NOT USED



**TS13 - 3 LANE CONFIGURATION ON EXISTING ROAD
WHERE NO PAVEMENT CONSTRUCTION OR WIDENING IS PLANNED**

DATE: 2004-04-27 2:30pm
 FILE: 016315-EN10-S 2:30pm
 DRAWN BY: M. KIMMEL
 CHECKED BY: S. MATHIAS
 APPROVED BY: J. SASSER
 2004-04-27



PROFESSIONAL SEAL	DWG. No.	Description

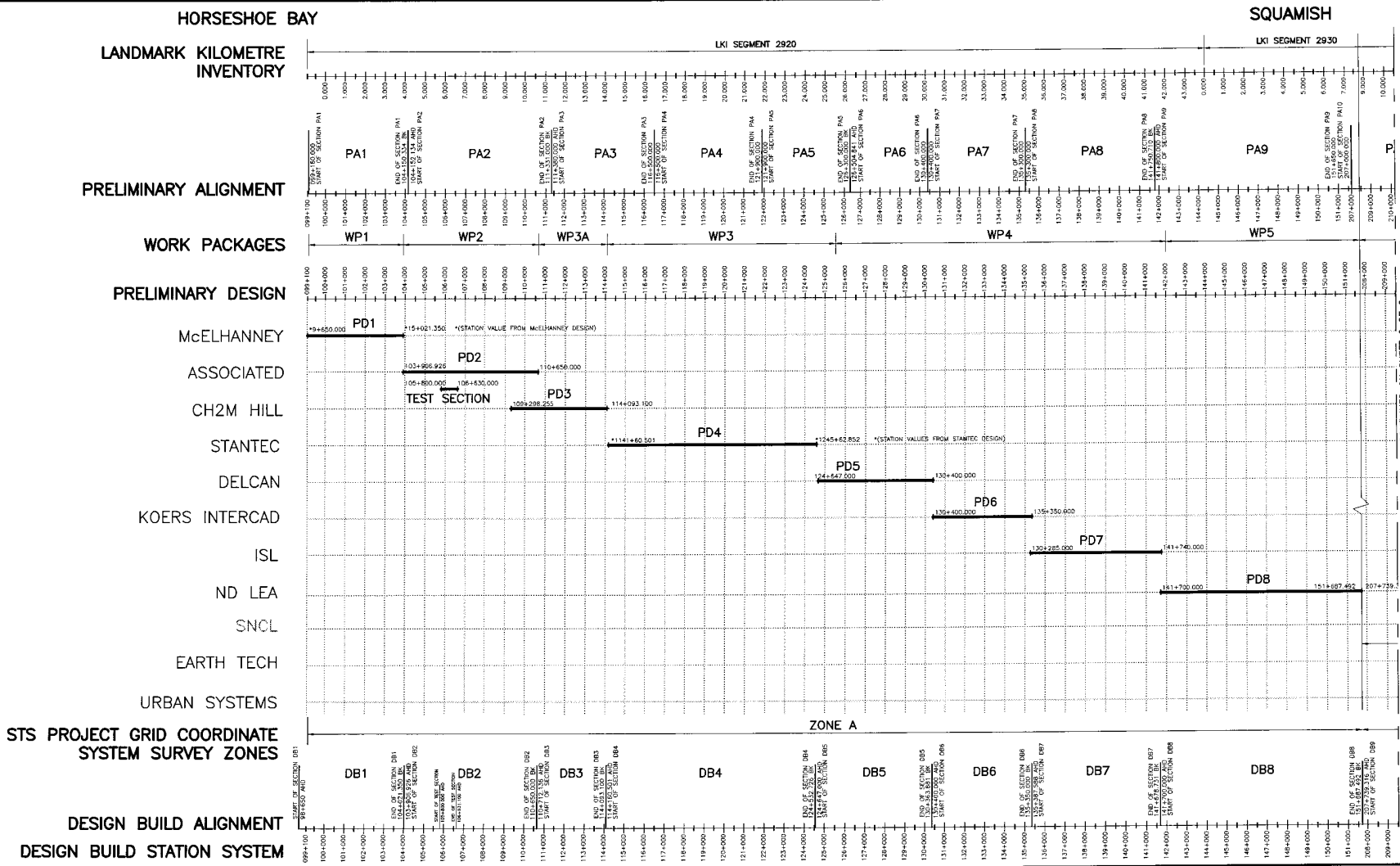
SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 2C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:100 0		DESIGNED S. LEBSON DATE 2004-04-09 DRAWN M. KIMMEL / G. LAW DATE 2004-04-20 CHECKED S. MATHIAS DATE 2004-04-27 APPROVED J. SASSER DATE 2004-04-28	
Rev	Date	Description	Signature
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	GL
0	04-08-17	ISSUED FOR TENDER	GL
1	04-11-24	REVISED TS11	GL

DBFO - HORSESHOE BAY TO WHISTLER TYPICAL SECTIONS SHEET 3 OF 3	
SENIOR DESIGN ENGINEER FILE NO. 016315-EN10-S	DATE PROJECT NO. 09901-7005 REC. 1 DRAWING NO. 41DD-DB00-0008 1

REFERENCE DRAWINGS

REVISIONS

DATE: 2004/08/17 - 3:55pm
 DRAWN BY: M. YOROKI
 CHECKED BY: S. MATHIAS
 APPROVED BY: I. TASAKA



CONTINUED ON SHEET 2 OF 2

SNC-LAVALIN
 800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C3

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 SECTION AND STATIONING REFERENCE PLAN
 SHEET 1 OF 2
 HORSESHOE BAY TO SQUAMISH
 STA. 99+160.000 TO STA. 151+687.492

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	MAL
D	04-08-17	ISSUED FOR TENDER	MAL

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB00-0009

PROFESSIONAL SEAL	DWG. No.	Description

REFERENCE DRAWINGS

REVISIONS

SQUAMISH

WHISTLER

LANDMARK KILOMETRE INVENTORY

LKI SEGMENT 2930

PRELIMINARY ALIGNMENT

WORK PACKAGES

PRELIMINARY DESIGN

McELHANNEY

ASSOCIATED

CH2M HILL

STANTEC

DELCAN

KOERS INTERCAD

ISL

ND LEA

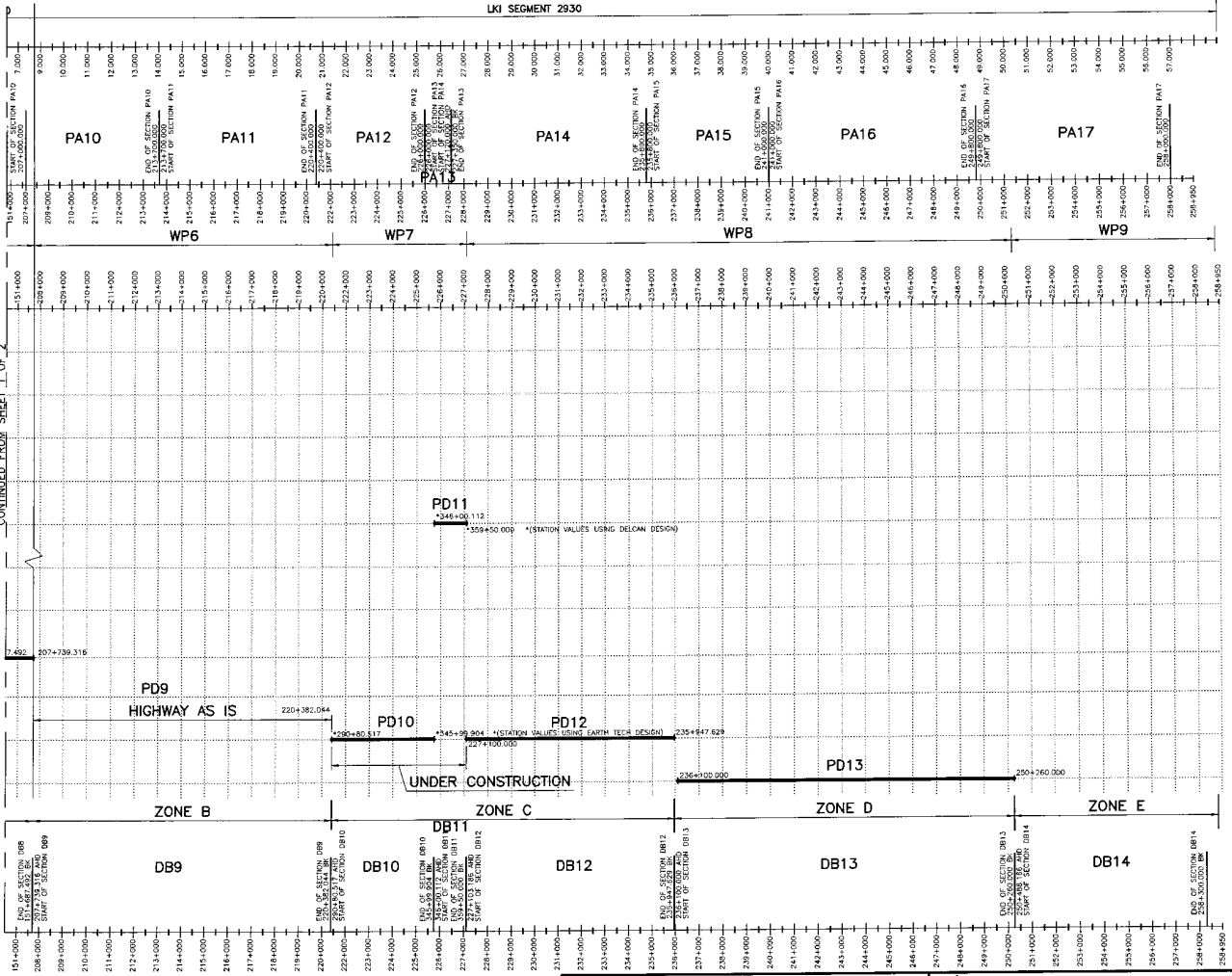
SNCL

EARTH TECH

URBAN SYSTEMS

STS PROJECT GRID COORDINATE SYSTEM SURVEY ZONES

DESIGN BUILD ALIGNMENT DESIGN BUILD STATION SYSTEM



SNC-LAVALIN 1800 - 1075 West George Street Vancouver, B.C. Canada V5E 5G9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE: NTS		DBFO - HORSESHOE BAY TO WHISTLER SECTION AND STATIONING REFERENCE PLAN SHEET 2 OF 2 SQUAMISH TO WHISTLER STA. 207+739.316 TO STA. 250+260.000	
DESIGNED: M. LEIGHTON DRAWING: M. PRODUC. LAM. CHECKED: G. MacNEIL APPROVED: J. TASAMA		DATE: 2004-02-27 DATE: 2004-02-27 DATE: 2004-04-23 DATE: 2004-04-29	
SENIOR DESIGN ENGINEER		DATE	
FILE No. 016315-EN10-S		PROJECT No. 09901-7005	
REV. 1		DRAWING No. 41DD-DB00-0010	

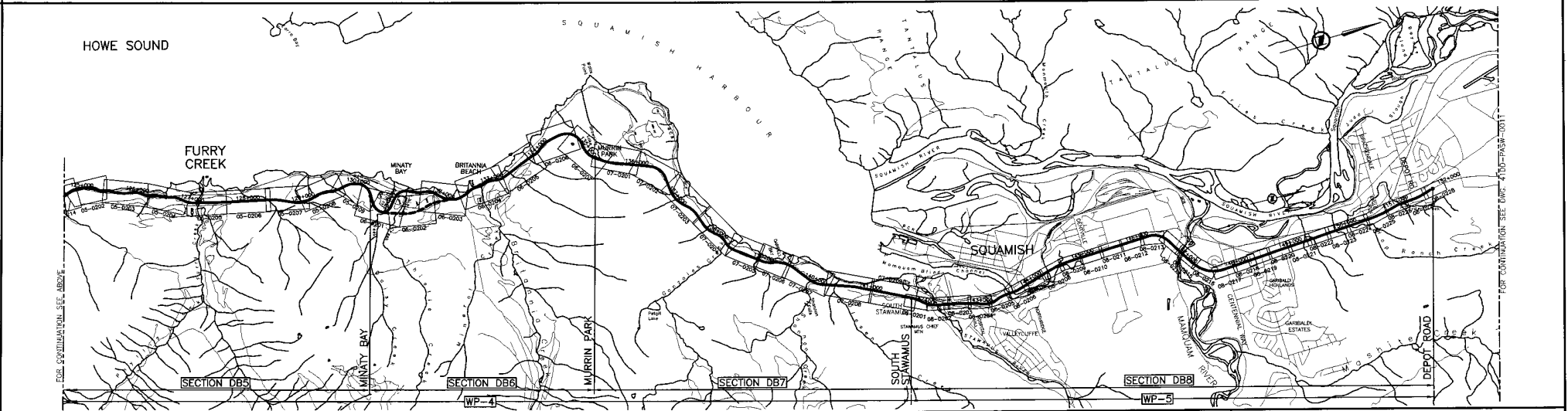
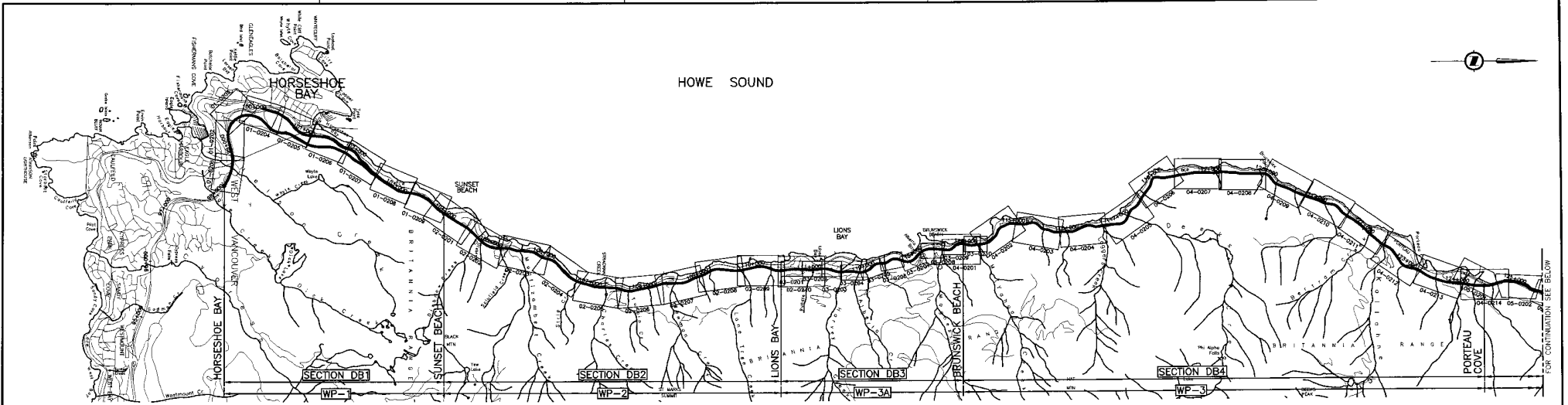
PROFESSIONAL SEAL	DWG. No.	Description

Rev.	Date	Description	Signature
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0	04-06-17	ISSUED FOR TENDER	MAL


REFERENCE DRAWINGS


REVISIONS

DATE: 2004/07/14 - 8:49am
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DRAWN BY: JLD



DATE: 2004/06/14 - 8:23am
 DRAWN BY: J. M. PROOK
 CHECKED BY: S. MACHROCK
 APPROVED BY: J. TASAKA


SNC-LAVALIN
 1820 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6C 3G9


MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 KEY PLAN
 HORSESHOE BAY TO SQUAMISH
 HORSESHOE BAY TO DEPOT ROAD

SCALE N.T.S.
 DESIGNED BY: J. TASAKA DATE: 2004-02-21
 DRAWN BY: M. PROOK DATE: 2004-02-25
 CHECKED BY: S. MACHROCK DATE: 2004-04-23
 APPROVED BY: J. TASAKA DATE: 2004-04-29

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			0	04-06-17	ISSUED FOR TENDER	MAL

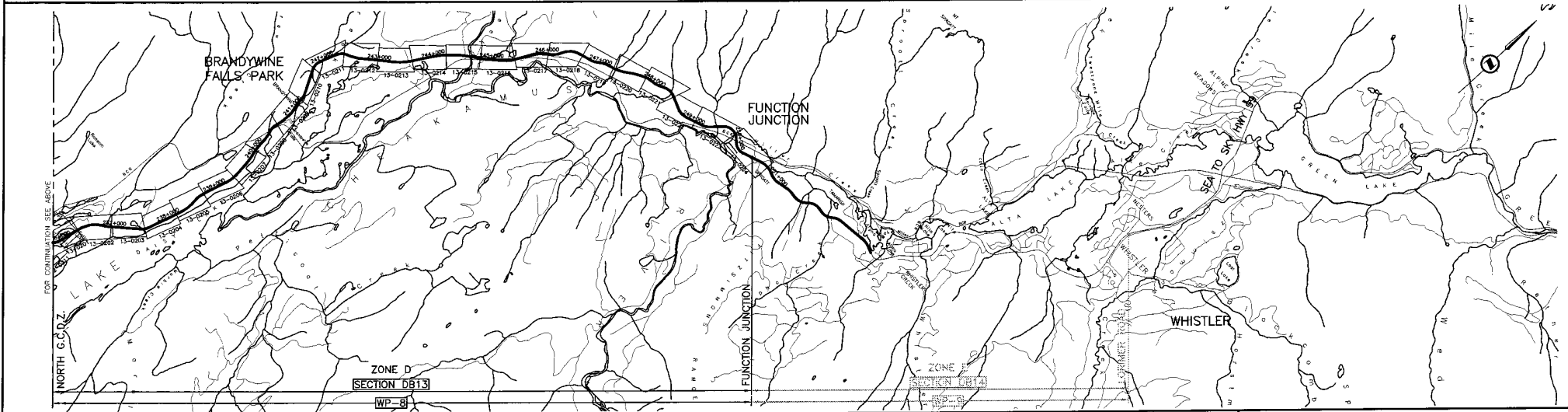
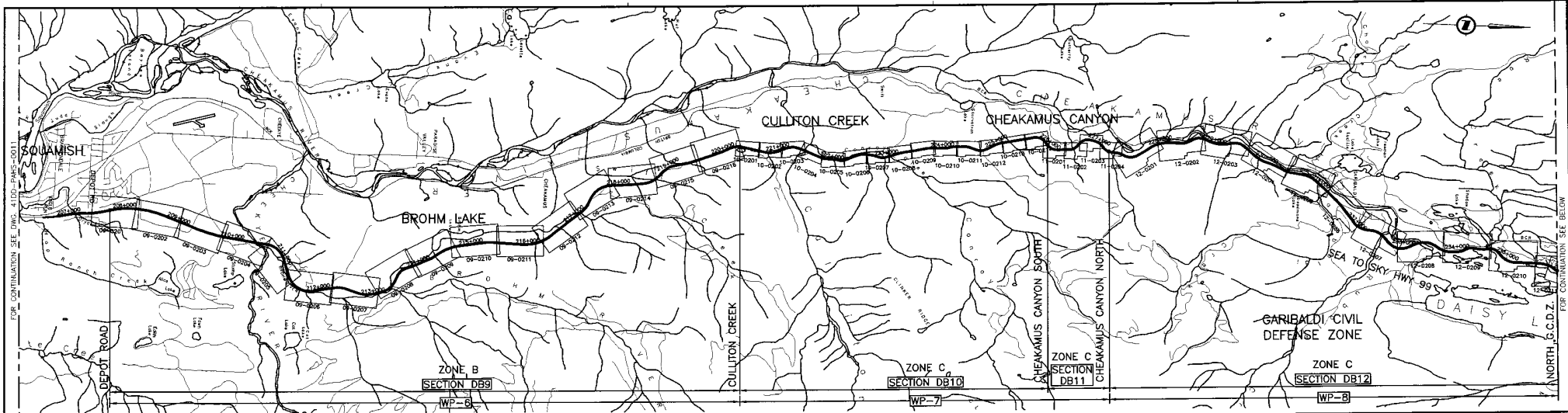
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB00-0011 0

REFERENCE DRAWINGS


REVISIONS


FOR CONTINUATION SEE BELOW

FOR CONTINUATION SEE LEFT



DATE: 2004/06/14 - 8:43pm to SkyHwy - C:\GEO - Proj08 - DBFO\ML\DBFO15-EN10-S-41DD-DB00-0012.dwg
 USER: jts
 PLOT: 2004/06/14 10:15:10


SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9


MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

SCALE N.T.S.
 DESIGNED M. HASTENPFEGER DATE 2004-02-21
 DRAWN M. PIRAK DATE 2004-02-26
 CHECKED G. MCHESNOL DATE 2004-04-23
 APPROVED J. TASAKA DATE 2004-04-29

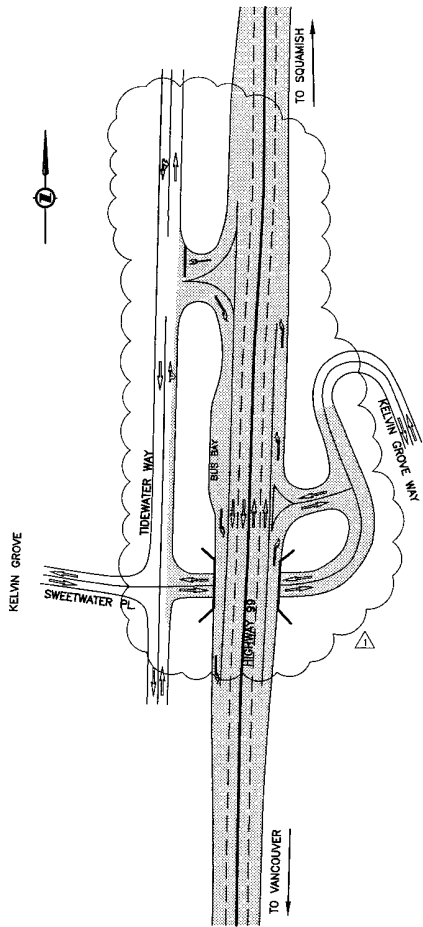
DBFO - HORSESHOE BAY TO WHISTLER
 KEY PLAN
 SQUAMISH TO WHISTLER
 DEPOT ROAD TO FUNCTION JUNCTION

PROFESSIONAL SEAL	DWG. No.	Description

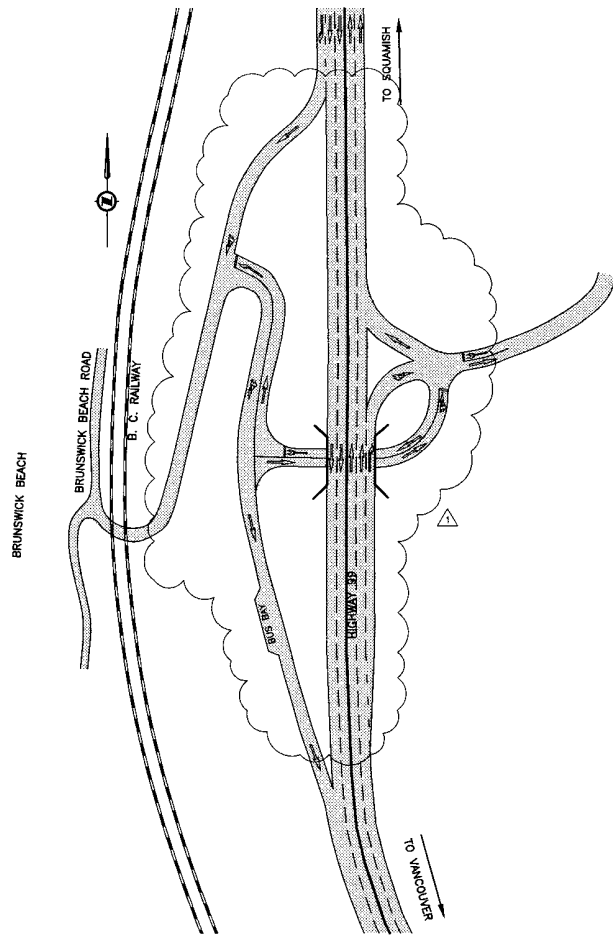
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	MAL
0	04-06-17	ISSUED FOR TENDER	MAL

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE No. PROJECT No. RES. DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB00-0012 | 0

REFERENCE DRAWINGS REVISIONS



**KELVIN GROVE
INTERCHANGE
CONCEPT**
M.T.S.



**BRUNSWICK BEACH
INTERCHANGE
CONCEPT**
M.T.S.

DATE: 2004/11/05 - 8:29am
DRAWN BY: J. J. J. / J. J. J.
CHECKED BY: J. J. J. / J. J. J.
APPROVED BY: J. J. J. / J. J. J.

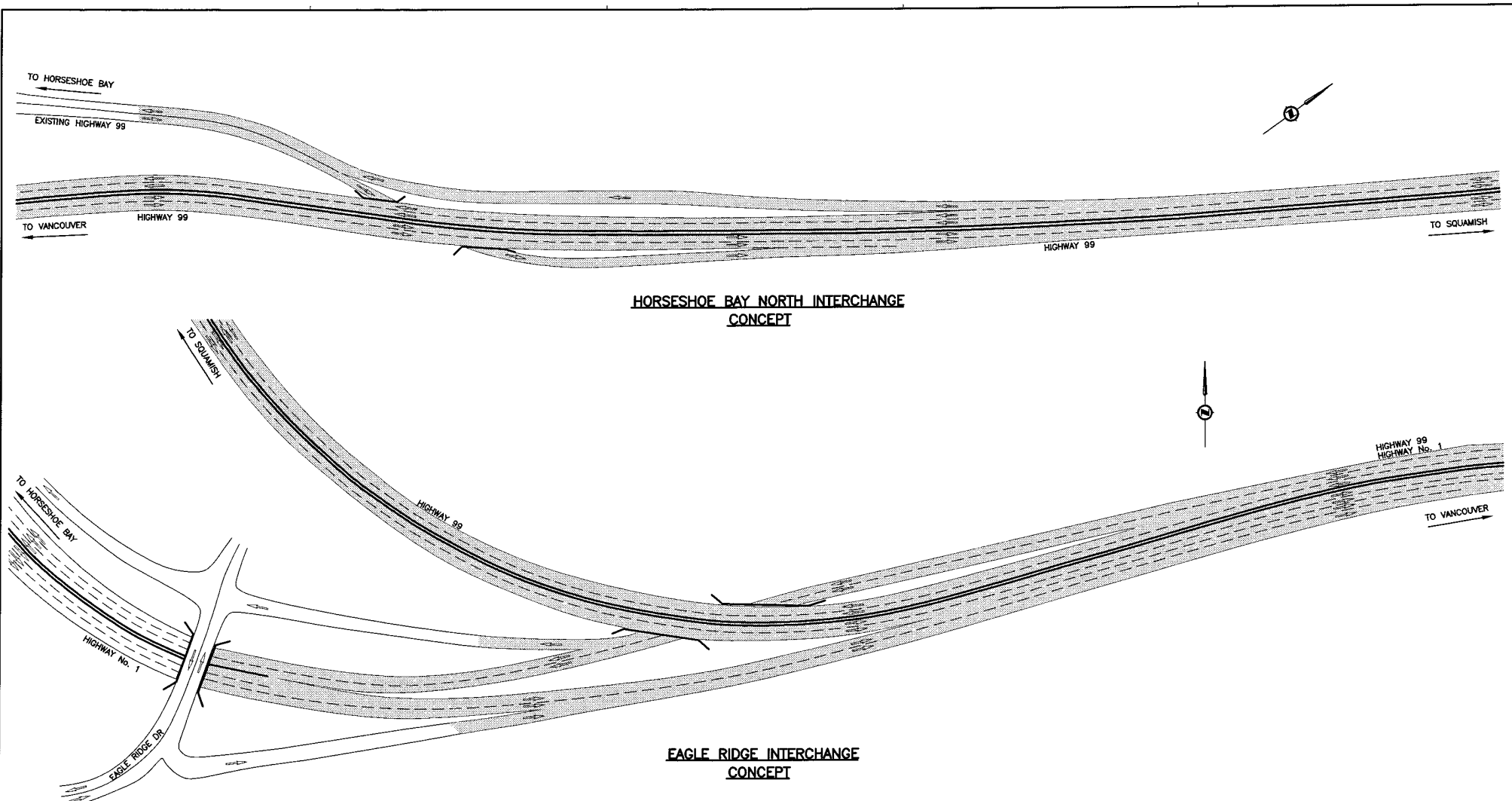
PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	0204-01	KELVIN GROVE TO "W" GREEK 4 LANE OPTION CONCEPTS - APRIL 2004	0	04-07-04	REVISED FOR REQUEST FOR PROPOSAL	GL
	4100-POHS-0008	CHOW HILL - PRELIMINARY DESIGN 100% SUBMISSION	0	04-08-03	ISSUED FOR TENDER	GL
			1	04-11-03	GENERAL REVISIONS TO INTERCHANGE CONCEPTS	GL

REFERENCE DRAWINGS

SCALE	AS SHOWN	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
		J. J. J.	2004-05-12	M. J. J.	2004-05-12	J. J. J.	2004-05-12	J. J. J.	2004-05-28

REVISIONS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9	 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	DBFO - HORSESHOE BAY TO WHISTLER GRADE-SEPARATED INTERCHANGES SECTION DB3 LIONS BAY TO BRUNSWICK BEACH	
		SENIOR DESIGN ENGINEER FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005 RES. 1 DATE 41DD-DB00-0013 1



**HORSESHOE BAY NORTH INTERCHANGE
CONCEPT**

**EAGLE RIDGE INTERCHANGE
CONCEPT**

DATE: 2004/02/14 - 4:50pm
 DRAWN BY: J. MASMA
 CHECKED BY: S. MATHISON
 DESIGNED BY: S. LINDEN

SNC-LAVALIN
 1900 - 1072 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C9

ISO 9001

DESIGNED: S. LINDEN DATE: 2004-08-12
 DRAWN: N. KRUKHEDNIK/C.L. DATE: 2004-08-12
 CHECKED: S. MATHISON DATE: 2004-04-27
 APPROVED: J. MASMA DATE: 2004-04-29

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 GRADE-SEPARATED INTERCHANGES
 SECTION DB1
 HORSESHOE BAY TO SUNSET BEACH
 OPTION B - 4 UPSLOPE LANES

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016.315-EN10-S	09901-7005	1	41DD-DB00-0014 0

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	OPTION 0	MISC. CONCEPTUAL ALIGNMENT FOR EAO CLARIFICATION REPORT - APRIL 2004	01	04-07-04	REVISED FOR REQUEST FOR PROPOSAL	GL
			02	04-06-04	ISSUED FOR TENDER	GL

REFERENCE DRAWINGS

REVISIONS

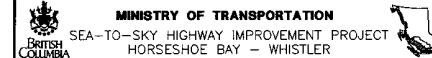
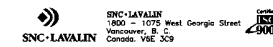


LEGEND AND NOTES

- PIT AREA AVAILABLE TO DBFO CO.
- PIT AREA AVAILABLE TO DB2 CO.

1. INDICATED AREAS ARE APPROXIMATE AND ARE TO BE CONFIRMED FOLLOWING EFFECTIVE DATE.
2. FOR FURTHER DETAIL SEE DBFO AGREEMENT SCHEDULE 4 PART 7 AND VOL. 3 SECTION 3.1.1.4 OF THE RFP.

DATE: 04/11/2011 11:53 AM
 USER: K.WONG
 PROJECT: 09901-7005-1
 DRAWING: 41DD-DB00-0015



DBFO - HORSESHOE BAY TO WHISTLER
 PIT DEVELOPMENT PLAN
 SECTION DB3
 BRUNSWICK PIT
 STA: 113+200

SCALE 0 1:1000 50
 DESIGNED: A. BROWN DATE: 04-11-20
 DRAWN: K. WONG DATE: 04-11-20
 CHECKED: A. BROWN DATE: 04-11-20
 APPROVED: J. TSAYA DATE: 04-11-20

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
		BRUNSWICK PIT - PIT DEVELOPMENT PLAN - FIGURE 1	0	04-11-20	ISSUED FOR TENDER	

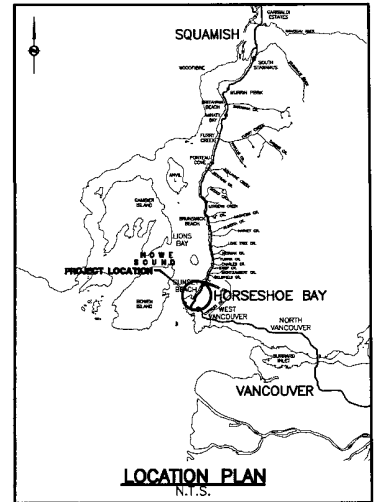
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-PM00-S	09901-7005	1	41DD-DB00-0015 0



MINISTRY OF TRANSPORTATION

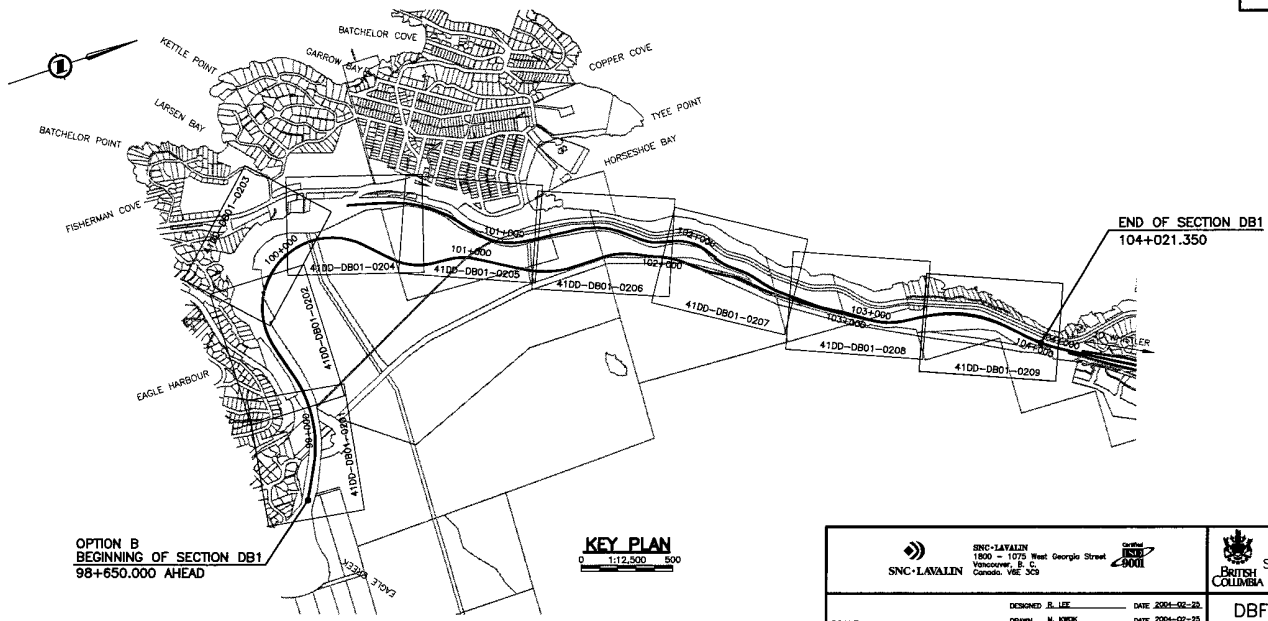
PROJECT No. 09901

Section DB1 Horseshoe Bay to Sunset Beach



DRAWING INDEX

41DD-DB01-0000	0	COVER SHEET
41DD-DB01-0001	0	PLAN, PROFILE, LAINING SCHEMATIC
41DD-DB01-0201	0	RIGHT-OF-WAY PLAN STA 98+650.000 TO STA 99+180.000
41DD-DB01-0202	0	RIGHT-OF-WAY PLAN STA 99+180.000 TO STA 99+770.000
41DD-DB01-0203	0	RIGHT-OF-WAY PLAN STA 99+770.000 TO STA 100+150.000
41DD-DB01-0204	0	RIGHT-OF-WAY PLAN STA 100+150.000 TO STA 100+701.000
41DD-DB01-0205	0	RIGHT-OF-WAY PLAN STA 100+701.000 TO STA 101+334.000
41DD-DB01-0206	0	RIGHT-OF-WAY PLAN STA 101+334.000 TO STA 102+021.000
41DD-DB01-0207	0	RIGHT-OF-WAY PLAN STA 102+021.000 TO STA 102+698.000
41DD-DB01-0208	0	RIGHT-OF-WAY PLAN STA 102+698.000 TO STA 103+398.000
41DD-DB01-0209	0	RIGHT-OF-WAY PLAN STA 103+398.000 TO STA 104+021.350



OPTION B
BEGINNING OF SECTION DB1
98+650.000 AHEAD

KEY PLAN
0 1:12,500 500

SNC-LAVALIN
1800 - 1070 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C3

DESIGNED: B. LEE DATE: 2001-02-22
DRAWN: M. KIRK DATE: 2001-02-23
CHECKED: B. BONGIO/ S. MATHIAS DATE: 2004-04-22
APPROVED: T. SISKIWI DATE: 2004-04-22

SCALE AS NOTED

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
COVER SHEET
SECTION DB1
HORSESHOE BAY TO SUNSET BEACH
STA 98+650.000 TO STA 104+021.350

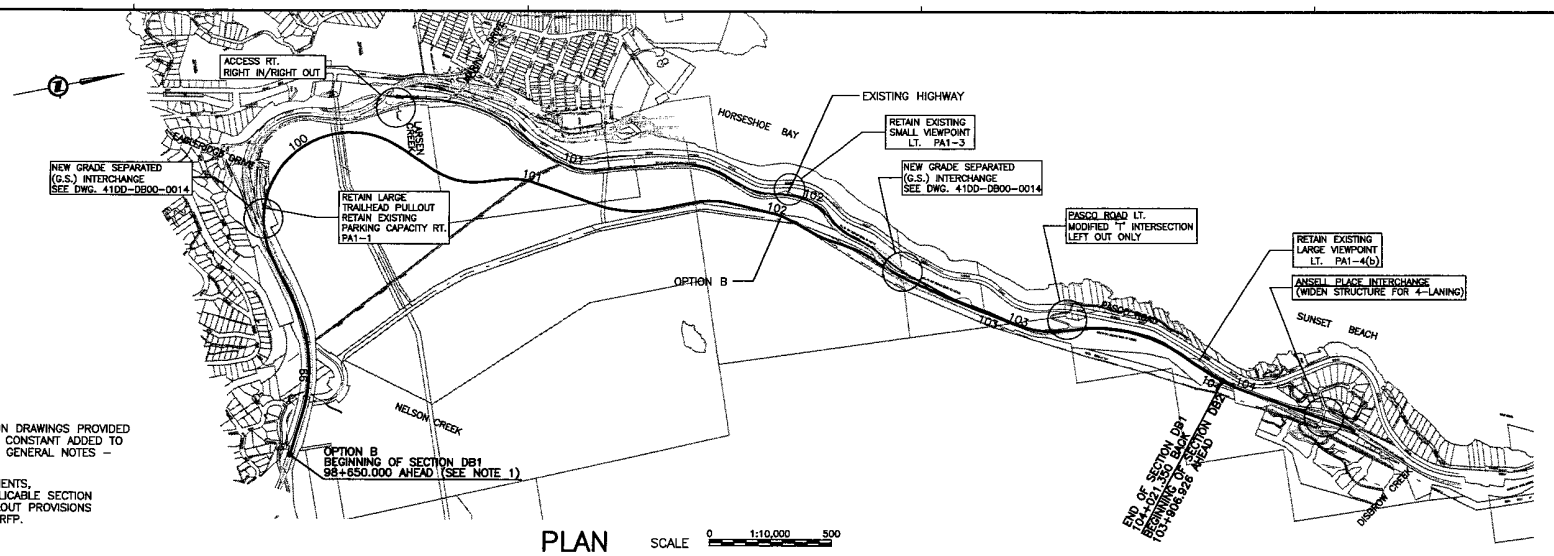
SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB01-0000

PROFESSIONAL SEAL	DWG. No.	Description

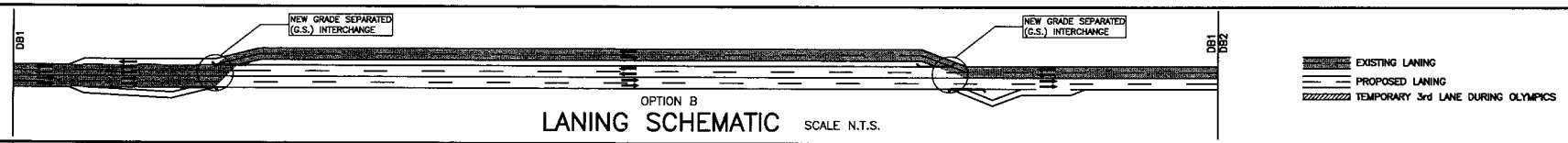
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RLK
0	04-08-17	ISSUED FOR TENDER	RLK

016315-EN10-S-0001.dwg - 04/04/2004 - 10:41:11 AM - 104+021.350 - 98+650.000 - 1:12,500

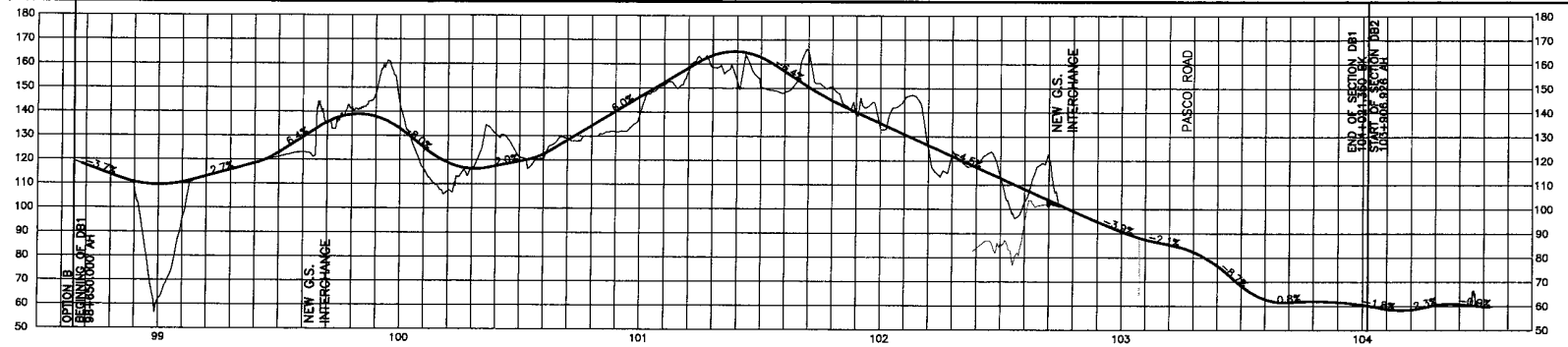


- NOTES:**
- BEGINNING OF SECTION 9+650.000 ON DRAWINGS PROVIDED BY PRELIMINARY DESIGNER, 89+000 CONSTANT ADDED TO STATIONING FOR CONSISTENCY. (SEE GENERAL NOTES - DWG. 41DD-DB00-0005)
 - FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ 1:10,000 500 0 VERT 1:1000 50

SNC-LAVALIN
1800 - 1075 West Georgia Street
Ottawa, ON K2P 5C8
Canada V1E 3J8

DESIGNED **B. JEE** DATE 2004-02-28
DRAWN **M. HOSK** DATE 2004-02-28
CHECKED **S. WONG/S. MANOJLO** DATE 2004-02-28
APPROVED **J. TAMURA** DATE 2004-02-28

SCALE **AS SHOWN**

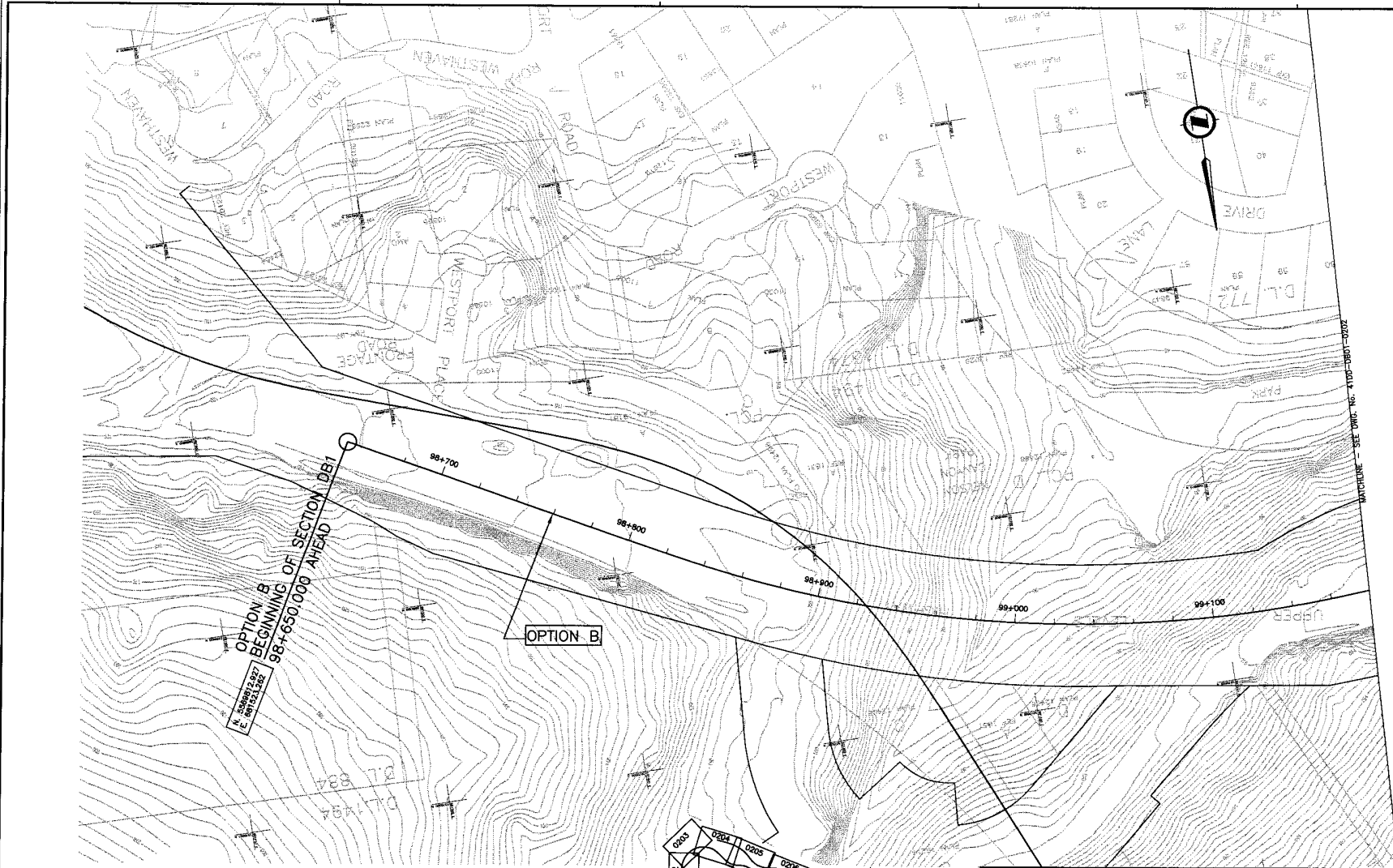
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN, PROFILE & LANING SCHEMATIC
SECTION DB1 - OPTION B
HORSESHOE BAY TO SUNSET BEACH
STA 98+650.000 TO STA 104+021.350

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	OPTION B	MCSL CONCEPTUAL ALIGNMENT FOR EAO CLARIFICATION REPORT APRIL 2004	PA	04-05-21	ISSUED FOR REQUEST FOR PROPOSAL	RCL
			PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	RCL
			D	04-08-17	ISSUED FOR TENDER	RCL

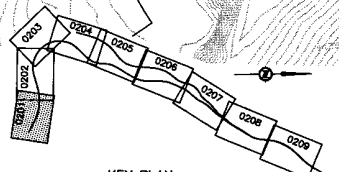
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB01-0001 0

DATE: 2004/02/28 08:53 AM
DRAWN BY: M. HOSK
CHECKED BY: S. WONG/S. MANOJLO
APPROVED BY: J. TAMURA
DWG. No.: 41DD-DB01-0001
PROJECT No.: 09901-7005
FILE No.: 016315-EN10-S
DRAWING No.: 41DD-DB01-0001



OPTION B
BEGINNING OF SECTION DB1
98+650.000 AHEAD

OPTION B



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	DB1 B - Rd Rwy PA	MOCL - PRELIMINARY ALIGNMENT - OPTION B - PLAN	PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	RKL
			D	04-08-17	ISSUED FOR TENDER	RKL

SINC-LAVALLIN
 1800 - 1075 West George Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED BY LEE DATE 2001-04-01
 DRAWN BY JAM DATE 2001-04-01
 CHECKED BY BORG/BL/MACROO DATE 2001-04-01
 APPROVED BY J. JOHNSON DATE 2001-04-28

SCALE 0 1:1000 50

REFERENCE DRAWINGS

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

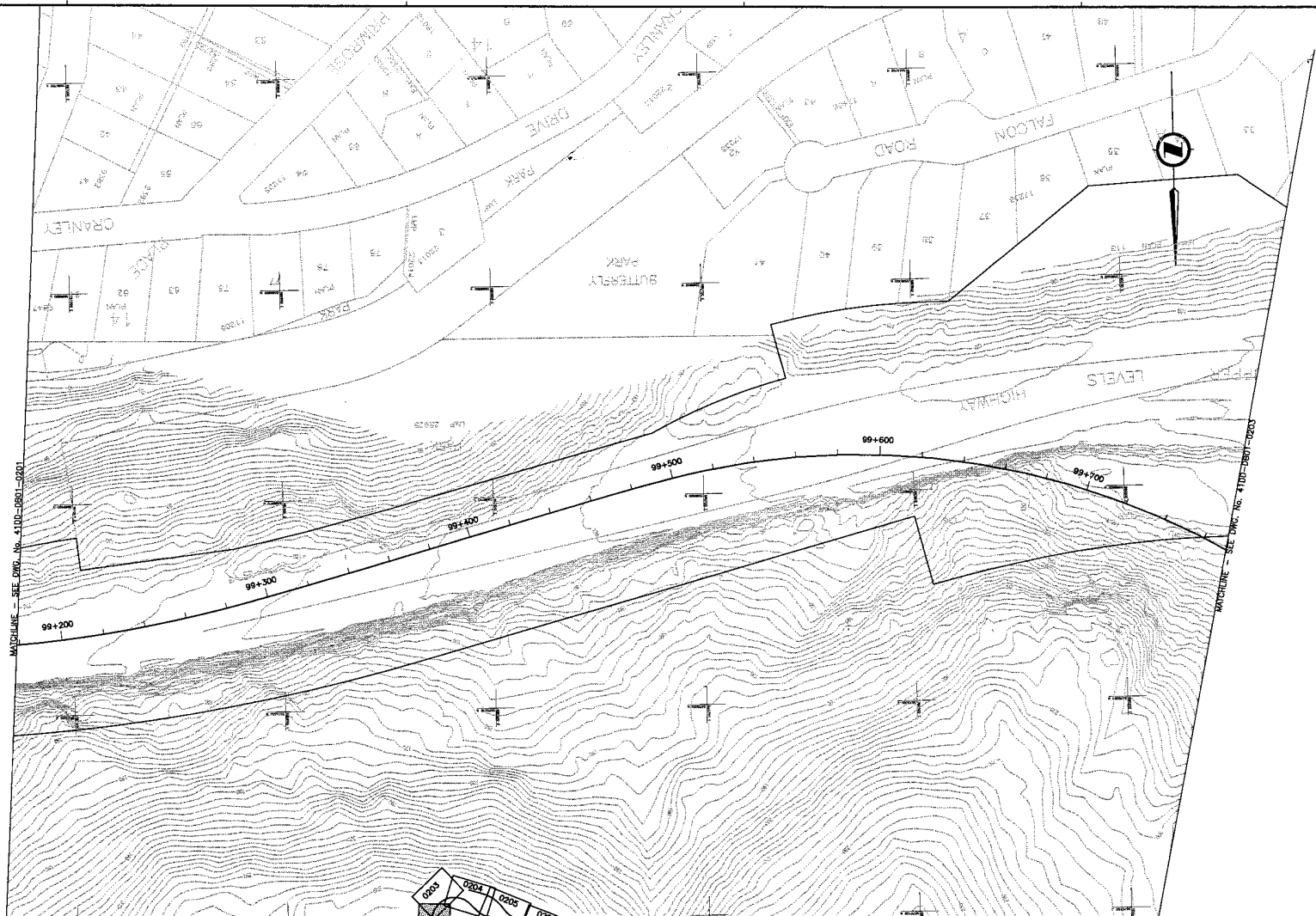
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 98+650.000 TO STA 99+180.000

SENIOR DESIGN ENGINEER DATE

FILE No. PROJECT No. REV. DRAWING No.

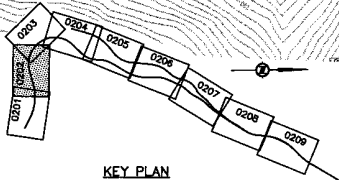
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MATCHLINE - SEE DWG. No. 41DD-DB01-0201

MATCHLINE - SEE DWG. No. 41DD-DB01-0202



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	DPT B 1st Rev PA	MCL - PRELIMINARY ALIGNMENT - OPTION B - PLAN	PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	REL
			0	04-08-17	ISSUED FOR TENDER	REL

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6C 3C8

DESIGNED BY: J.E.Z. DATE: 2004-04-01
 DRAWN: S.J.A. LEBLANC DATE: 2004-04-01
 CHECKED: S. WONG/S. MEDRICA DATE: 2004-04-22
 APPROVED: T. TOSAKI DATE: 2004-04-28

SCALE: 0 1:1000 50

REFERENCE DRAWINGS

REVISIONS

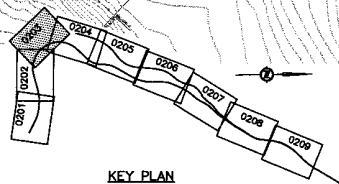
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 99+180.000 TO STA 99+770.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REL.	DRAWING No.
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DATE PLOTTED: 04/28/04 11:52 AM; PLOTTER: HP DesignJet 500; PLOT FILE: C:\Users\jleblanc\Documents\41DD-DB01-0202.dwg; PLOT SCALE: 1:1000; PLOT SHEETS: 1 OF 1



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			0	04-08-17	ISSUED FOR TENDER	RCL

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

SCALE 0 1:1000 50

DESIGNED BY JEE DATE 2004-04-31
 DRAWN BY J.L. LEBLANC DATE 2004-04-31
 CHECKED BY J. THOMPSON DATE 2004-04-31
 APPROVED BY J. THOMPSON DATE 2004-04-31

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 99+770.000 TO STA 100+150.000

FILE No.	PROJECT No.	REV.	DRAWING No.
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DATE PLOTTED: 2004/04/30 10:54 AM
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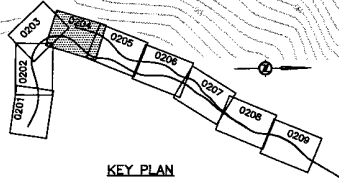


DATE: 2004/04/19 - 7:55am by: PA/1 - CHANG - Proj: 09 - Envs: 101010115 - ENR-5-1100-001 - 001100000 - Rev: 0

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



SNC-LAVALLIN
 1800 - 1075 West George Street
 Vancouver, B.C.
 Canada, V6E 3C8

DESIGNED BY: LEE DATE: 2004-04-01
 DRAWN BY: LEONOR DATE: 2004-04-01
 CHECKED BY: WONG/PA/MAURICO DATE: 2004-04-23
 APPROVED BY: J. JOHNSON DATE: 2004-04-28

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 100+150.000 TO STA 100+701.000

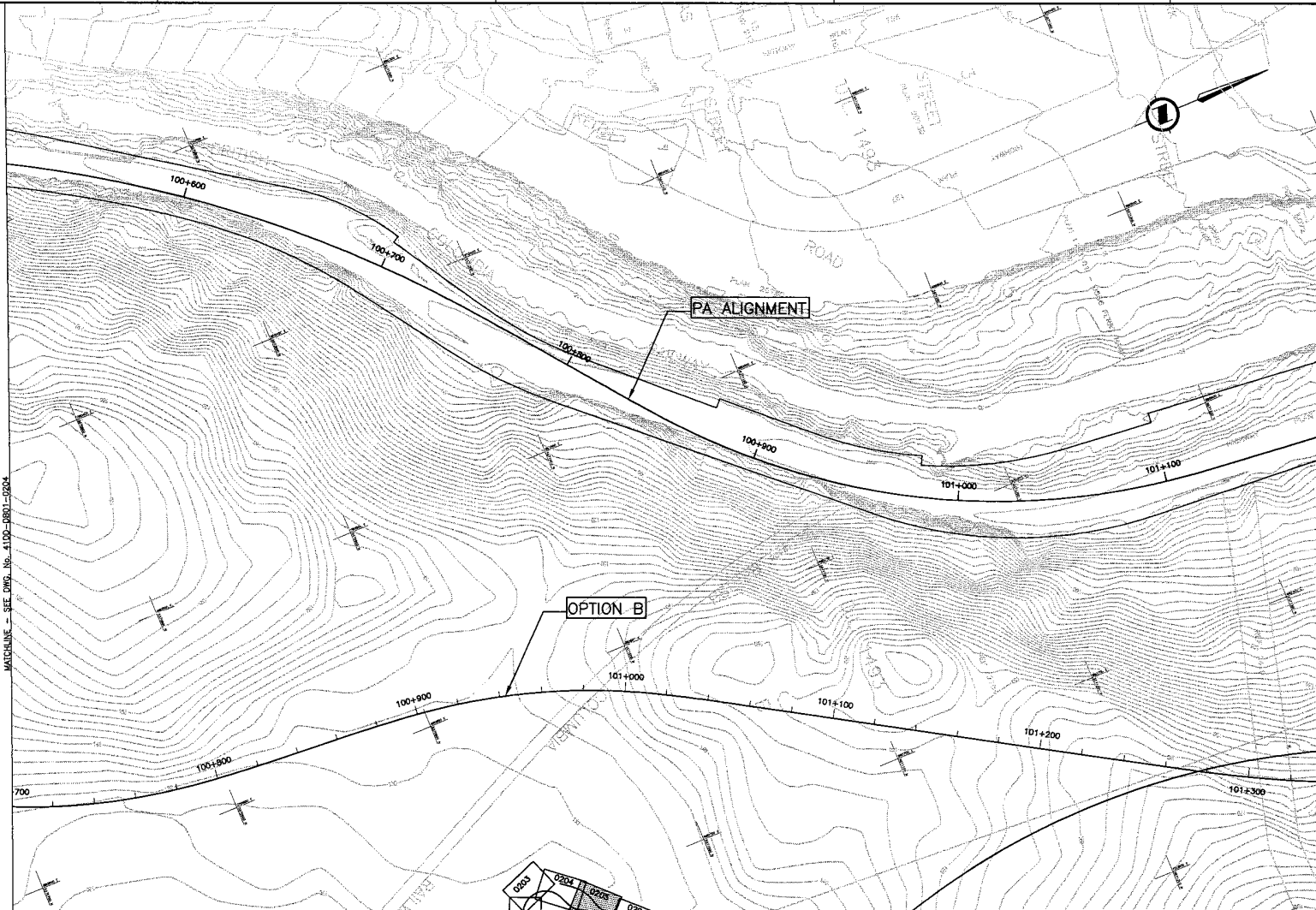
SENIOR DESIGN ENGINEER DATE

FILE No. PROJECT No. REV. DRAWING No.
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PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			0	04-08-17	REQUEST FOR TENDER	RL

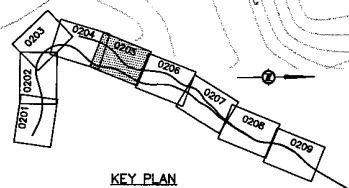
REFERENCE DRAWINGS REVISIONS

MATCHLINE - SEE DWG. NO. 41DD-DB01-0205



MATCHLINE - SEE DWG. No. 41DD-DB01-0204

MATCHLINE - SEE DWG. No. 41DD-DB01-0208



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	0205	MSL - PRELIMINARY ALIGNMENT - OPTION B - PLAN

Rev	Date	Description	Signature
PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	ROL
0	04-08-17	ISSUED FOR TENDER	ROL

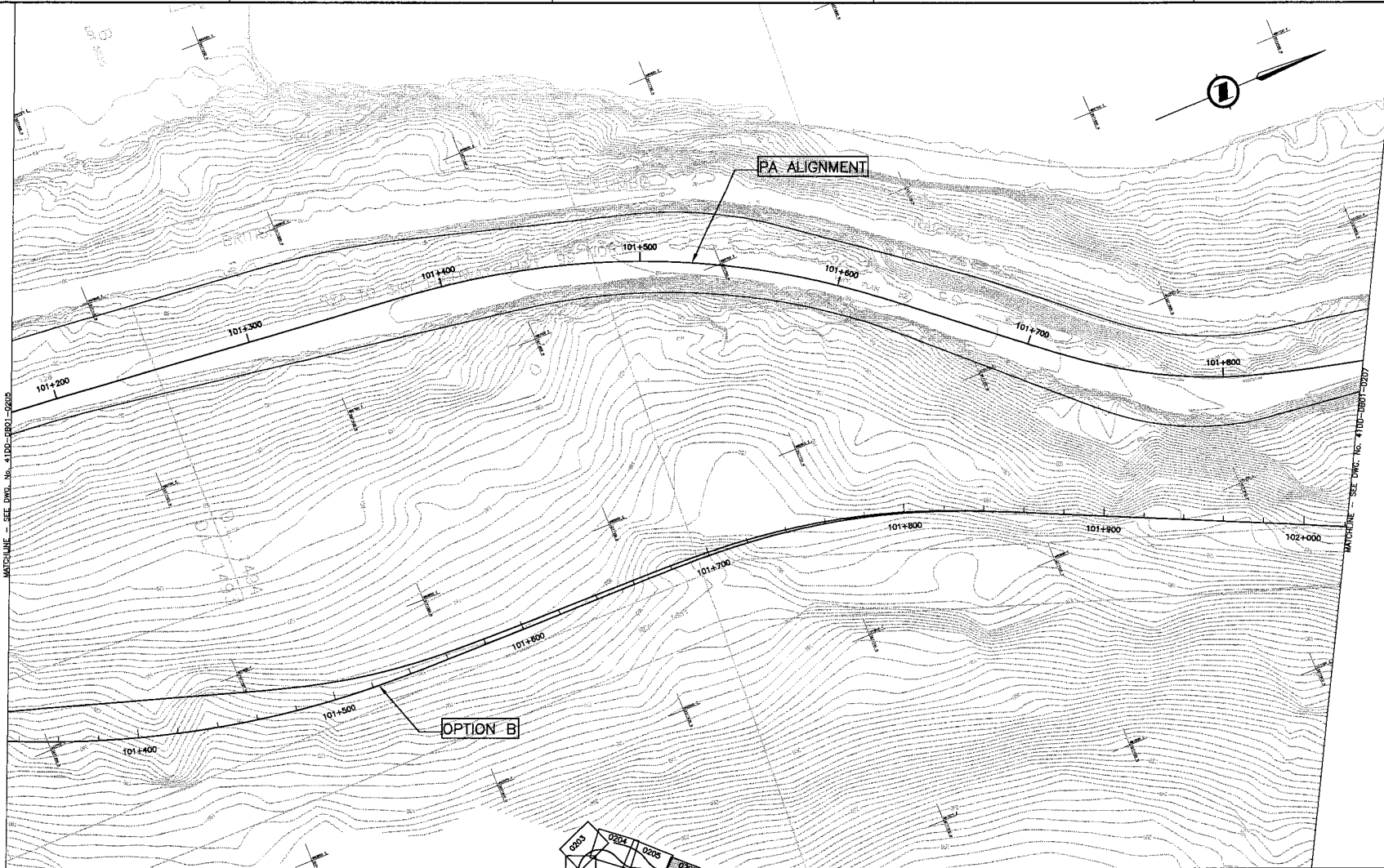
SNC-LAVALIN
 1800 - 1070 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 100+701.000 TO STA 101+334.000

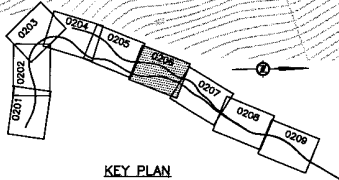
SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB01-0205

41DD-DB01-0205.dwg
 2004-08-17 10:00:00
 41DD-DB01-0205.dwg
 2004-08-17 10:00:00
 41DD-DB01-0205.dwg
 2004-08-17 10:00:00



MATCHLINE - SEE DWG. No. 41DD-DB01-0205

MATCHLINE - SEE DWG. No. 41DD-DB01-0207



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED **B. LEE** DATE 2004-04-01
 DRAWN **G.J. LEONER** DATE 2004-04-01
 CHECKED **J. BENO/PA. MONTREAL** DATE 2004-04-22
 APPROVED **T. SORRELL** DATE 2004-04-28

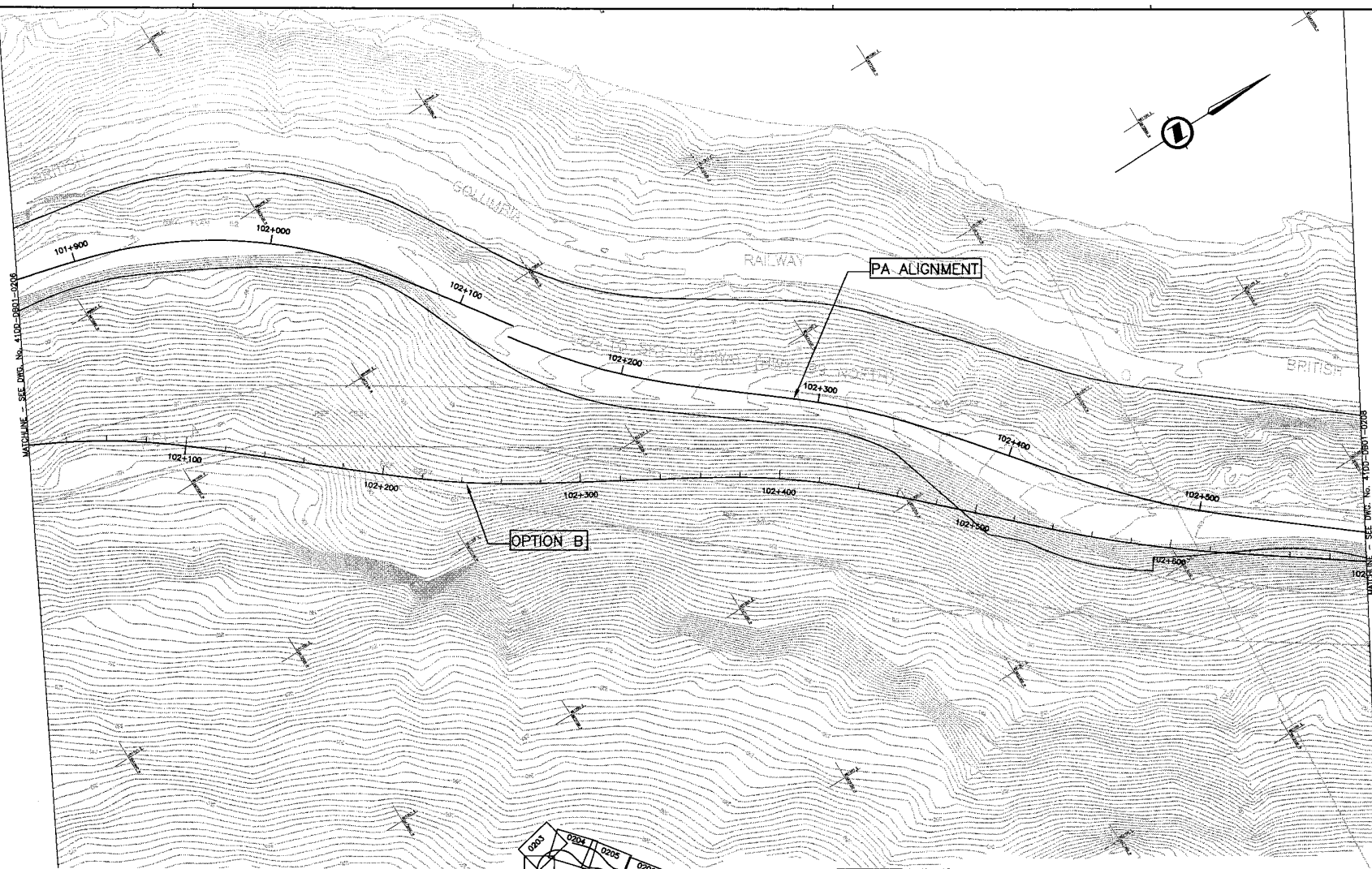
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 101+334.000 TO STA 102+021.000

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			D	04-08-17	ISSUED FOR TENDER	RKL

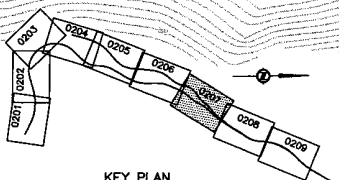
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016315-EN10-S	09901-7005	1	41DD-DB01-0206

DATE: 2004/04/28 10:57 AM BY: J. BENO/PA. MONTREAL - C:\proj\41DD-DB01-0206-001.dwg



MATCHLINE - SEE DWG. No. 41DD-DB01-0206

MATCHLINE - SEE DWG. No. 41DD-DB01-0208



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1,000,408,116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	DB1 B Hst Rev PA	MCSL - PRELIMINARY ALIGNMENT - OPTION B - PLAN	PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	RLC
			D	04-08-17	ISSUED FOR TENDER	RLC

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED BY: J.L.L. DATE: 2004-04-01
 DRAWN BY: G.J.L. LEONARD DATE: 2004-04-01
 CHECKED BY: M.H.M.G. / M.H.M.G. DATE: 2004-04-23
 APPROVED BY: T. TARDUO DATE: 2004-04-28

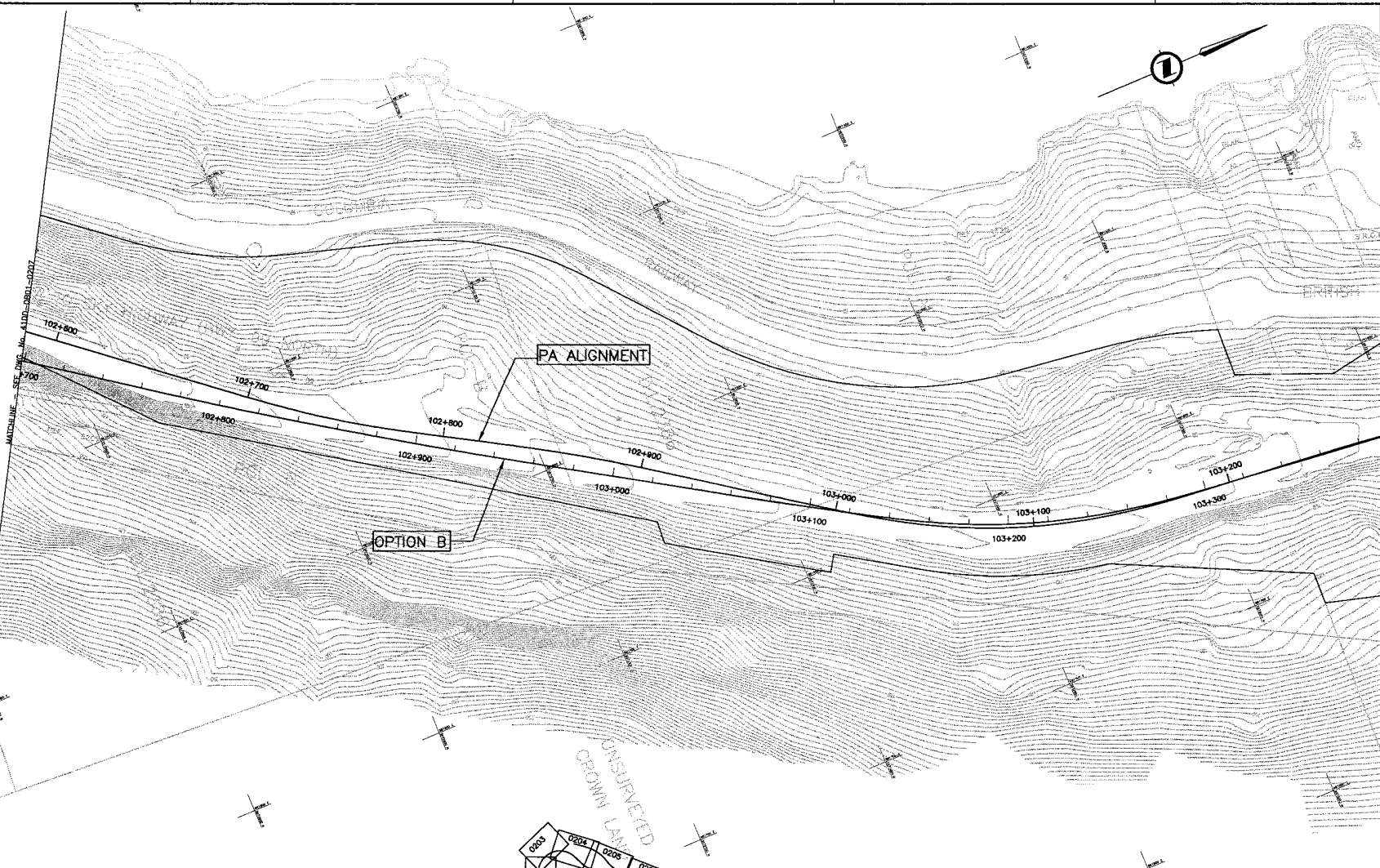
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MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 102+021.000 TO STA 102+698.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB01-0207 0

DATE: 2004/03/03 09:27:00 AM - 7:08am - by: J.L.L. - Checked: M.H.M.G. - Date: 2004/04/28 - by: J.L.L. - Checked: M.H.M.G. - Date: 2004/04/28 - by: J.L.L. - Checked: M.H.M.G. - Date: 2004/04/28



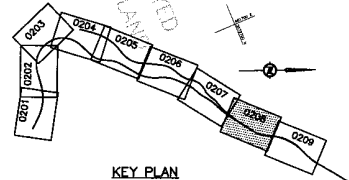
MATCHLINE - SEE DWG. NO. 4100-DB01-0205

MATCHLINE - SEE DWG. NO. 4100-DB01-0205

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.00468116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	OPT B Prelim PA	MCSL - PRELIMINARY ALIGNMENT - OPTION B - PLAN

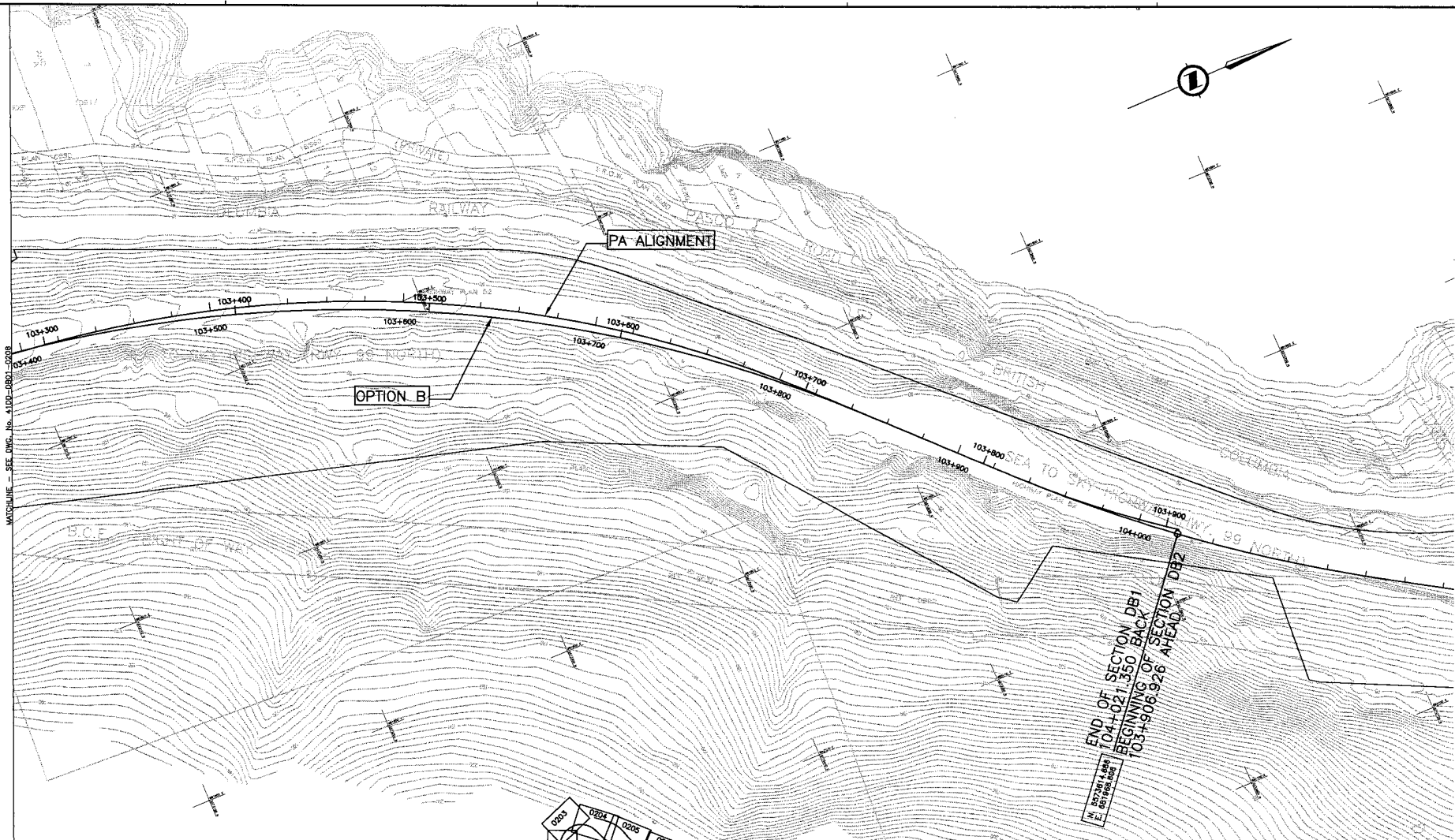
Rev	Date	Description	Signature
PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	RCL
S	04-08-17	ISSUED FOR TENDER	RCL

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C8

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 102+698.000 TO STA 103+398.000

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	4100-DB01-0208 0



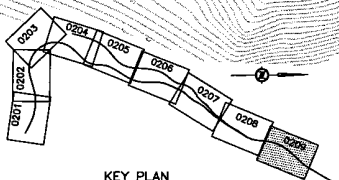
MATCHLINE - SEE DWG. No. 41DD-DB01-0209

END OF SECTION DB1
 104+021.350 BACK
 BEGINNING OF SECTION DB2
 103+906.926 AHEAD

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m.
 THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- - - - - PROPOSED RIGHT-OF-WAY
 ———— EXISTING RIGHT-OF-WAY
 RIGHT-OF-WAY ACQUISITION



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	0201	PA - PRELIMINARY ALIGNMENT - OPTION B - PLAN
	0202	
	0203	
	0204	
	0205	
	0206	
	0207	
	0208	
	0209	

REFERENCE DRAWINGS

DESIGNED BY: JLE DATE: 2004-04-01
 DRAWN BY: GJA LEONARD DATE: 2004-04-01
 CHECKED BY: S. BROWN/AL. MONTREAL DATE: 2004-04-22
 APPROVED BY: J. DUBOIS DATE: 2004-04-28

Rev	Date	Description	Signature
PA	04-05-28	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-17	ISSUED FOR TENDER	RKL

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB1 - OPTION B
 HORSESHOE BAY TO SUNSET BEACH
 STA 103+398.000 TO STA 104+021.350

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 REG.: 1 DRAWING NO.: 41DD-DB01-0209 | 0

DRAWING INDEX

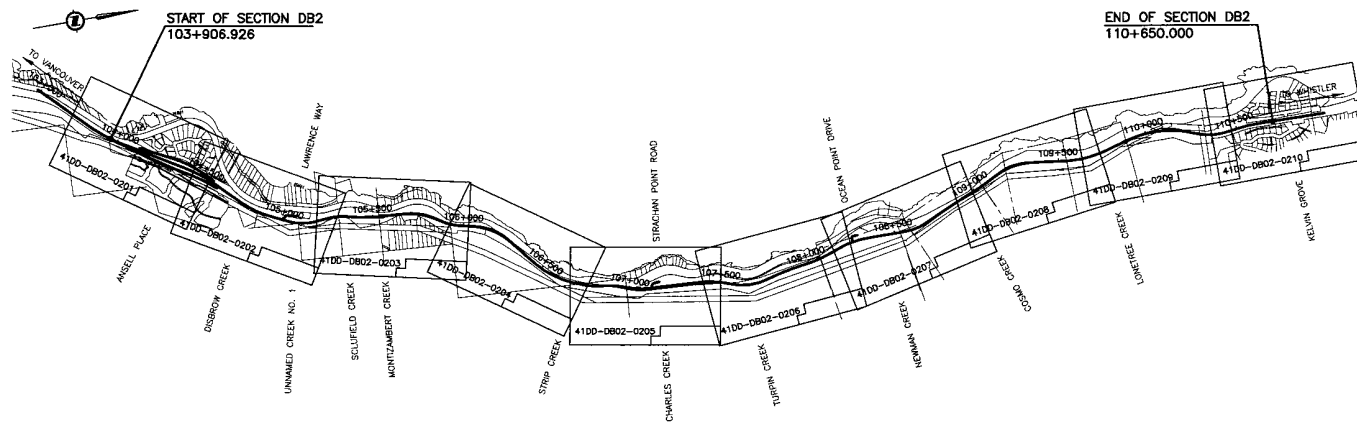
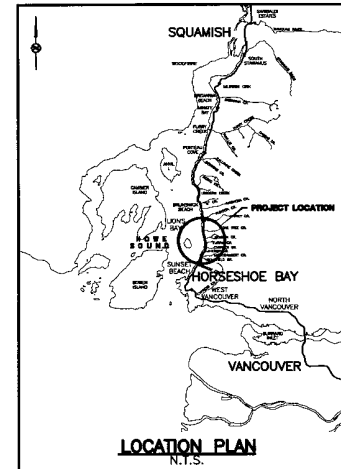
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41DD-DB02-0001	0	PLAN, PROFILE, LANING SCHEMATIC
41DD-DB02-0201	0	RIGHT-OF-WAY PLAN STA 103+906.926 TO STA 104+500.000
41DD-DB02-0202	0	RIGHT-OF-WAY PLAN STA 104+500.000 TO STA 105+240.000
41DD-DB02-0203	0	RIGHT-OF-WAY PLAN STA 105+240.000 TO STA 105+980.000
41DD-DB02-0204	0	RIGHT-OF-WAY PLAN STA 105+980.000 TO STA 106+720.000
41DD-DB02-0205	0	RIGHT-OF-WAY PLAN STA 106+720.000 TO STA 107+460.000
41DD-DB02-0206	0	RIGHT-OF-WAY PLAN STA 107+460.000 TO STA 108+200.000
41DD-DB02-0207	0	RIGHT-OF-WAY PLAN STA 108+200.000 TO STA 108+940.000
41DD-DB02-0208	0	RIGHT-OF-WAY PLAN STA 108+940.000 TO STA 109+680.000
41DD-DB02-0209	0	RIGHT-OF-WAY PLAN STA 109+680.000 TO STA 110+420.000
41DD-DB02-0210	0	RIGHT-OF-WAY PLAN STA 110+420.000 TO STA 110+650.000



MINISTRY OF TRANSPORTATION

PROJECT No. 09901

**Section DB2
Sunset Beach to Lions Bay**



KEY PLAN
0 1:12,500 500

SNC-LAVALIN 1800 - 1078 West Georgia Street Vancouver, B. C. Canada V6E 3C3		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE AS NOTED		DESIGNED <u>B. LEE</u> DATE <u>2004-02-25</u> DRAWN <u>M. JONK</u> DATE <u>2004-02-25</u> CHECKED <u>S. WONG/S. MacDONALD</u> DATE <u>2004-04-23</u> APPROVED <u>J. TOSKOW</u> DATE <u>2004-04-29</u>	
DBFO - HORSESHOE BAY TO WHISTLER COVER SHEET SECTION DB2 SUNSET BEACH TO LIONS BAY STA 103+906.926 TO STA 110+650.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB02-0000 0

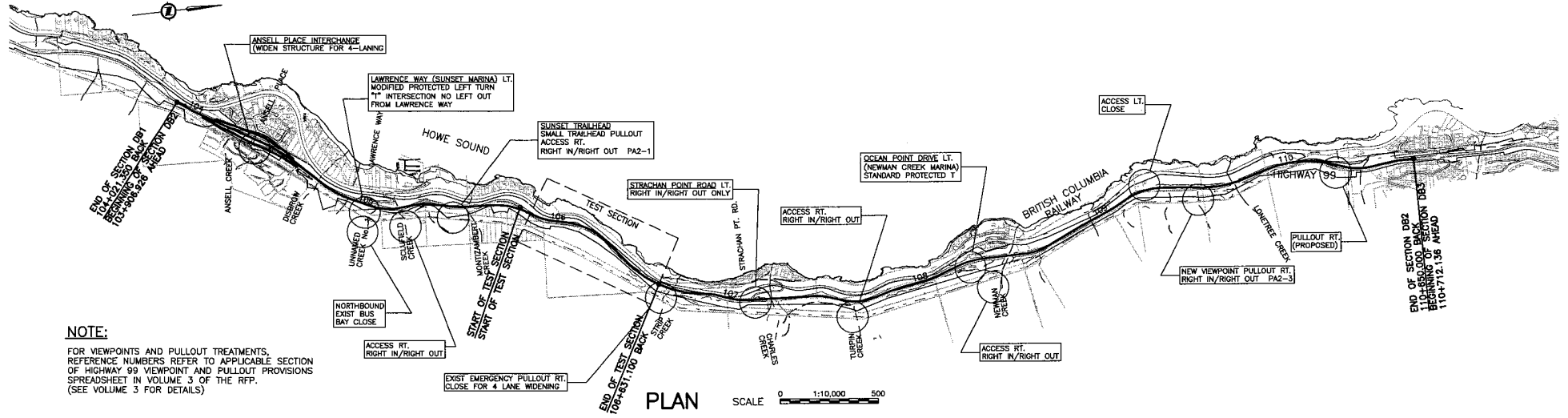
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Rev	Date	Description	Signature
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0	04-08-17	ISSUED FOR TENDER	RKL

REFERENCE DRAWINGS

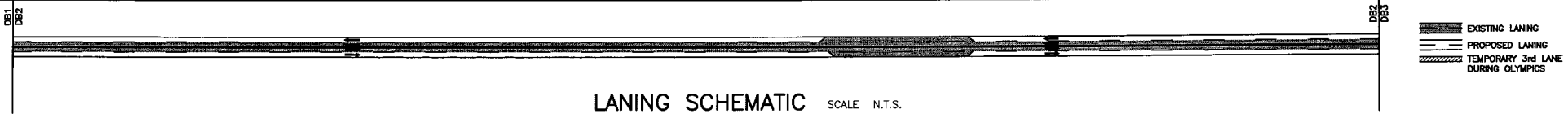
REVISIONS

DATE 2004/08/14 - 8:24am
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 USER: j

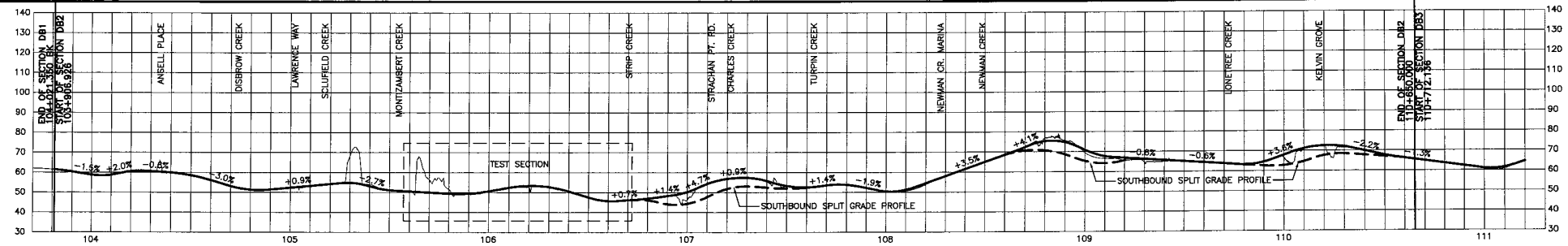


NOTE:
 FOR VIEWPOINTS AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



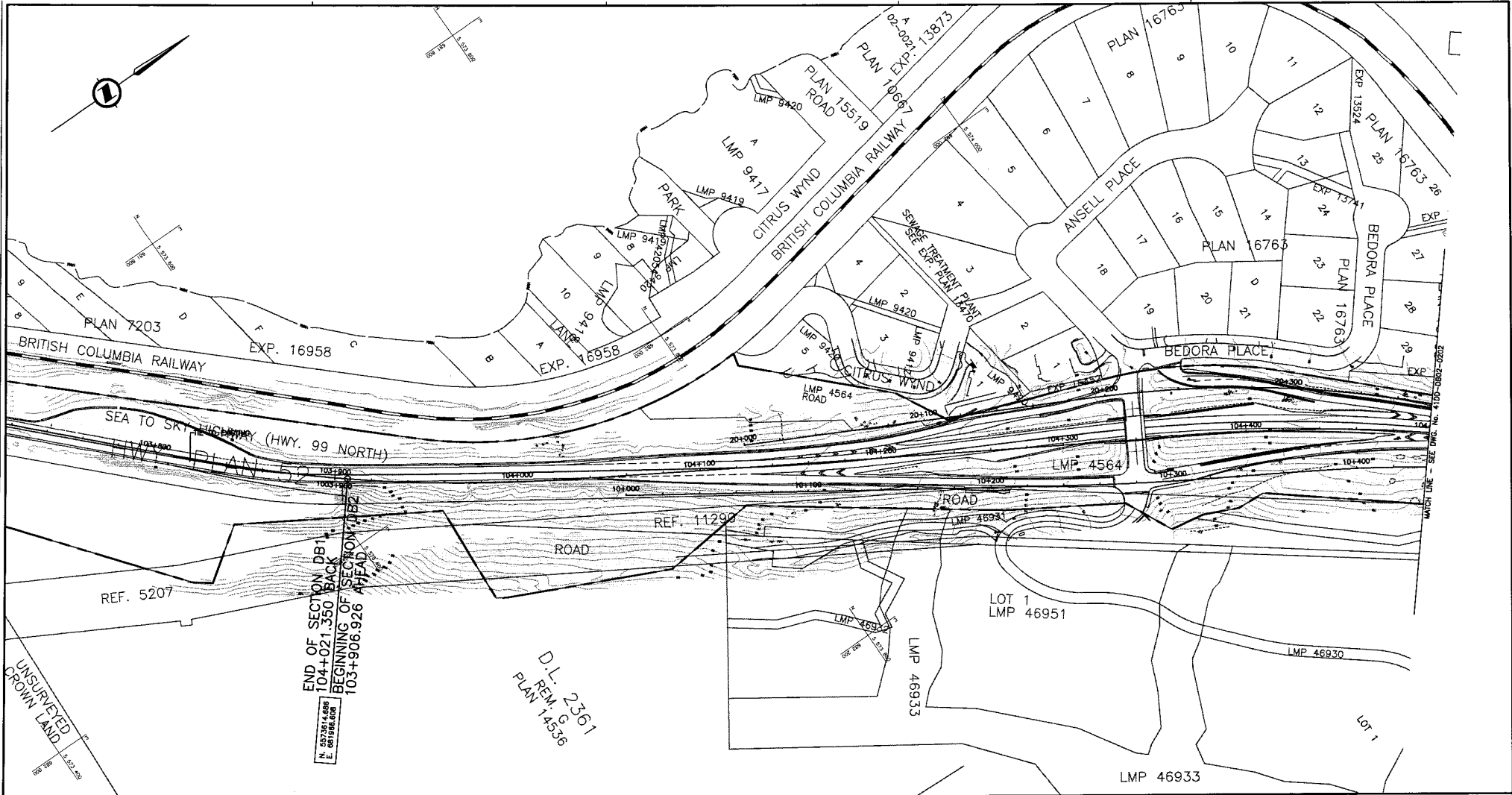
LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ. 1:10,000 500
 0 VERT. 1:1000 50

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6C 3C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT																	
SCALE DRAWN BY: J. LEE DATE: 2004-02-25 CHECKED BY: M. HONG/CL. LAW DATE: 2004-07-02 APPROVED BY: J. TORRES DATE: 2004-02-25		DBFO - HORSESHOE BAY TO WHISTLER PLAN, PROFILE & LANING SCHEMATIC SECTION DB2 SUNSET BEACH TO LIONS BAY STA 103+906.926 TO STA 110+650.000																	
<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04-04-05</td> <td>ISSUED FOR REQUEST FOR PROPOSAL</td> <td>RL</td> </tr> <tr> <td>PB</td> <td>04-07-05</td> <td>REVISED FOR REQUEST FOR PROPOSAL</td> <td>RL</td> </tr> <tr> <td>D</td> <td>04-08-17</td> <td>ISSUED FOR TENDER</td> <td>RL</td> </tr> </tbody> </table>		Rev	Date	Description	Signature	PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	RL	PB	04-07-05	REVISED FOR REQUEST FOR PROPOSAL	RL	D	04-08-17	ISSUED FOR TENDER	RL	SENIOR DESIGN ENGINEER _____ DATE _____ FILE No. _____ PROJECT No. _____ REC. _____ DRAWING No. _____	
Rev	Date	Description	Signature																
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	RL																
PB	04-07-05	REVISED FOR REQUEST FOR PROPOSAL	RL																
D	04-08-17	ISSUED FOR TENDER	RL																
REFERENCE DRAWINGS		REVISIONS																	

DATE: 2004/07/10 - 4:43pm
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- ▨ RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL

DWG. No. 41DD-P002-0101
 ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

REVISIONS

Rev	Date	Description	Signature
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S	04-08-17	ISSUED FOR TENDER	RL

REFERENCE DRAWINGS

REVISIONS

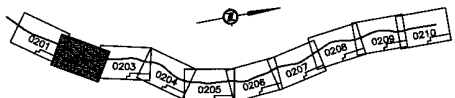
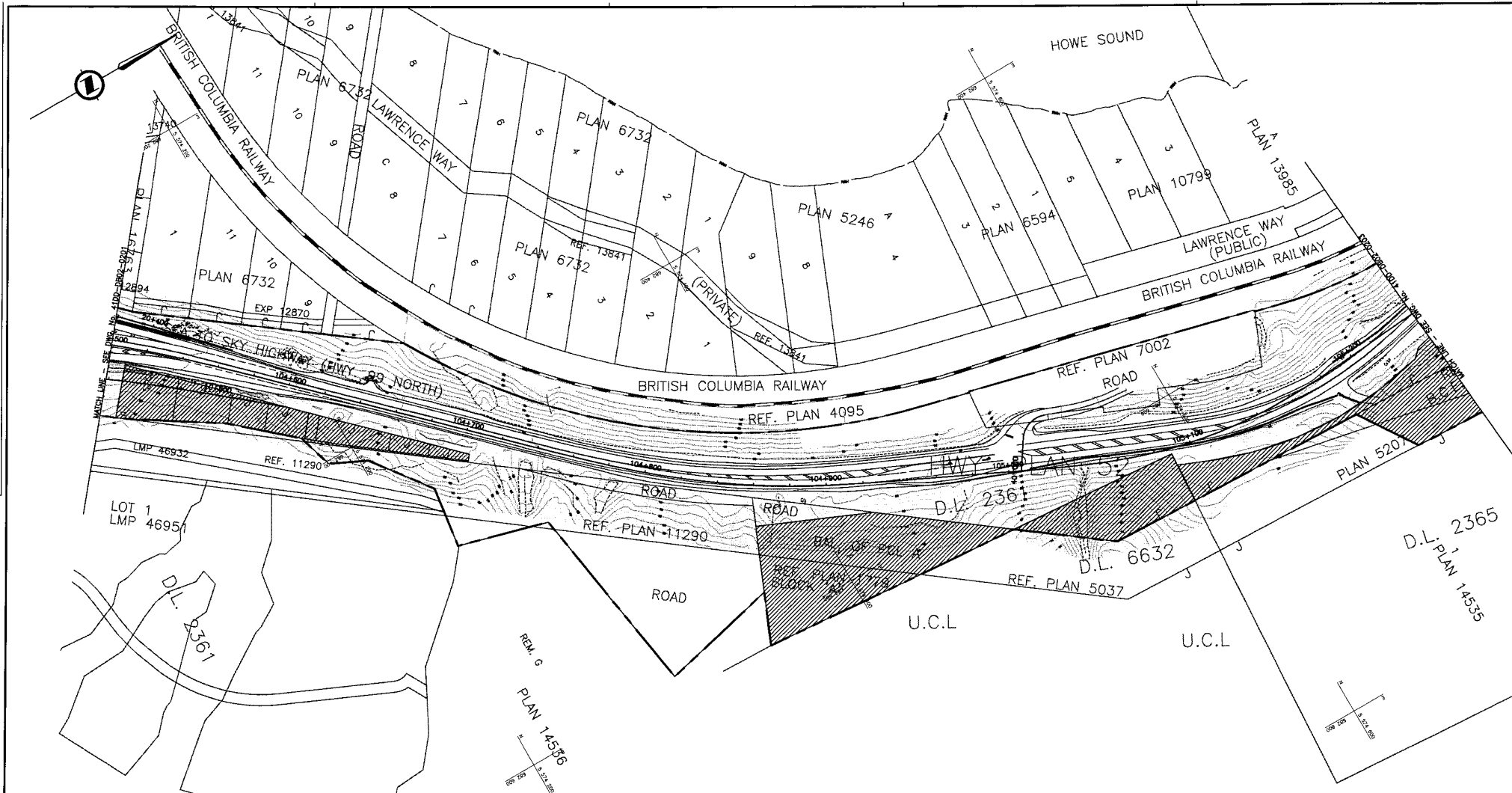
SNC-LAVALIN
 SNC-LAVALIN 1800 - 1070 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 103+906.926 TO STA 104+500.000

SENIOR DESIGN ENGINEER: [Signature] DATE: [Date]
 FILE No. PROJECT No. REL. DRAWING No.
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

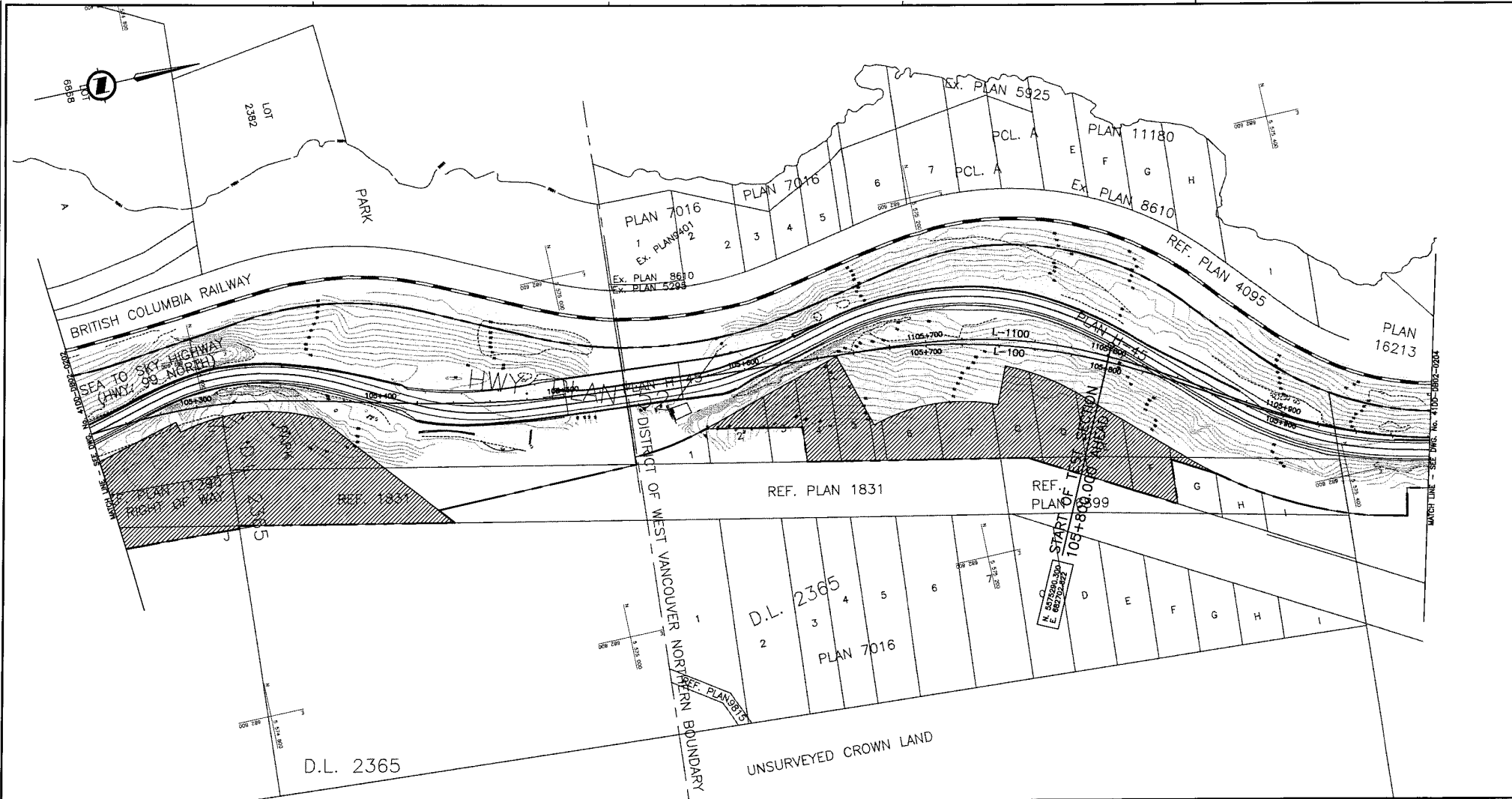
LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-0002-0102	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT																							
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB2 SUNSET BEACH TO LIONS BAY STA 104+500.000 TO STA 105+240.000																							
DESIGNED A. LIT DATE 2004-02-28 DRAWN M. BEEK DATE 2004-02-28 CHECKED A. WONG/G. MacPHEE DATE 2004-04-23 APPROVED J. TREHNA DATE 2004-04-28		SENIOR DESIGN ENGINEER _____ DATE _____																					
SCALE 0 1:1000 50	<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04-04-30</td> <td>ISSUED FOR REQUEST FOR PROPOSAL</td> <td>RL</td> </tr> <tr> <td>D</td> <td>04-05-17</td> <td>ISSUED FOR TENDER</td> <td>RL</td> </tr> </tbody> </table>	Rev	Date	Description	Signature	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL	D	04-05-17	ISSUED FOR TENDER	RL	<table border="1"> <thead> <tr> <th>FILE No.</th> <th>PROJECT No.</th> <th>REV.</th> <th>DRAWING No.</th> </tr> </thead> <tbody> <tr> <td>016315-EN10-S</td> <td>09901-7005</td> <td>1</td> <td>41DD-DB02-0202 0</td> </tr> </tbody> </table>		FILE No.	PROJECT No.	REV.	DRAWING No.	016315-EN10-S	09901-7005	1	41DD-DB02-0202 0
Rev	Date	Description	Signature																				
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D	04-05-17	ISSUED FOR TENDER	RL																				
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016315-EN10-S	09901-7005	1	41DD-DB02-0202 0																				

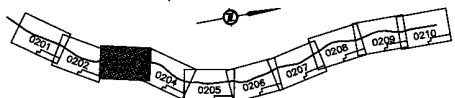
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- — — — — PROPOSED RIGHT-OF-WAY
- — — — — EXISTING RIGHT-OF-WAY
- ▨ RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	4100-PO02-0103	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6C 3G9		URS 4001 1000 West Broadway Vancouver, B.C. Canada, V6H 4G1	
DESIGNED BY	DATE	DATE	DATE
04-04-30	2001-02-28	2001-02-28	2001-02-28
CHECKED BY	DATE	CHECKED BY	DATE
04-08-17	2001-04-30	04-08-17	2001-04-30
APPROVED BY	DATE	APPROVED BY	DATE
Rev	Date	Description	Signature
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D	04-08-17	ISSUED FOR TENDER	RL

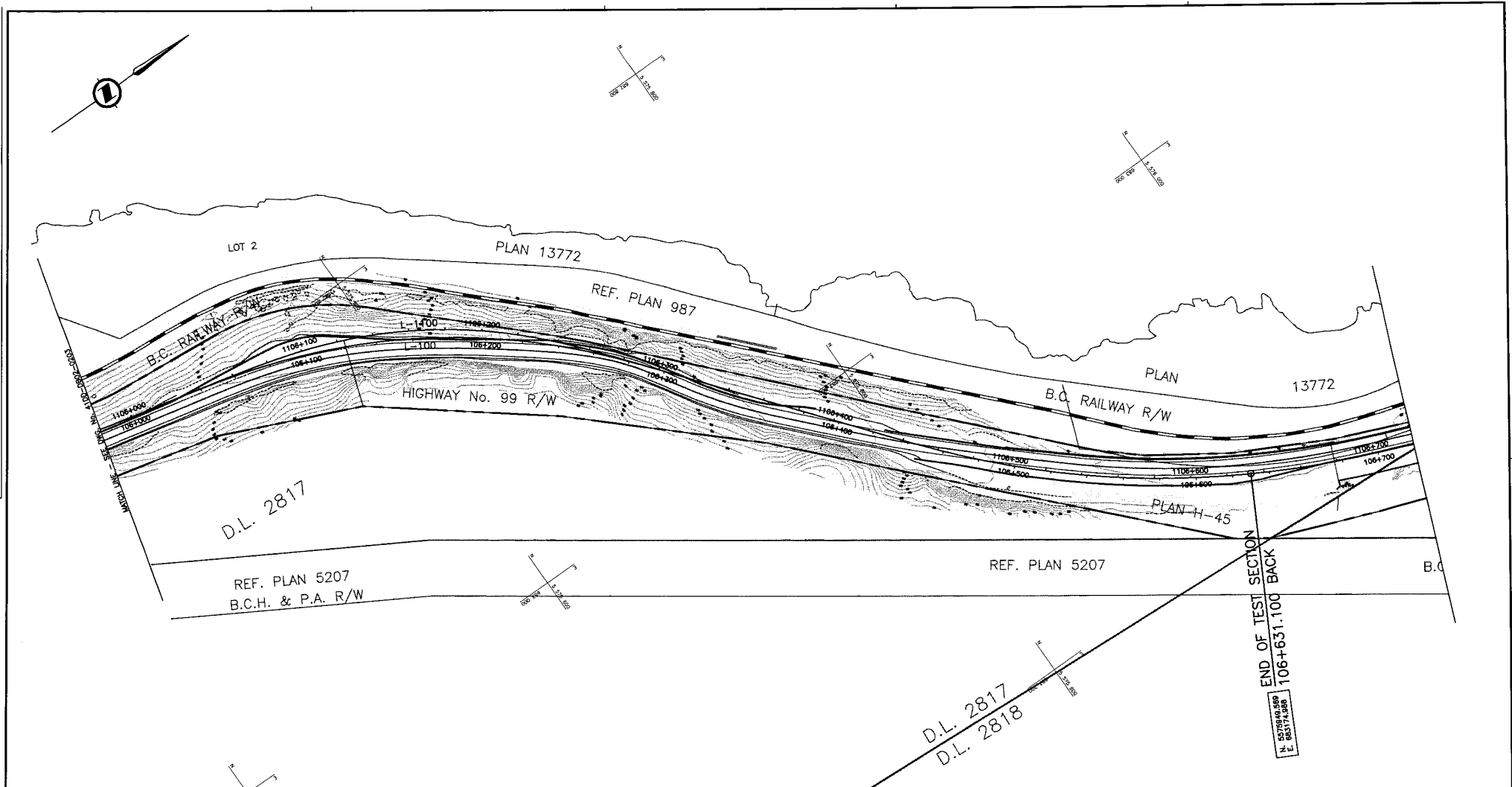
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 105+240.000 TO STA 105+980.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
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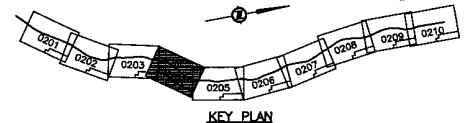
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 DRAWN BY: J. T. BAKER
 CHECKED BY: J. T. BAKER
 APPROVED BY: J. T. BAKER
 PROJECT: SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
 DRAWING: DBFO - HORSESHOE BAY TO WHISTLER
 SECTION: DB2
 STA: 105+240.000 TO STA 105+980.000



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.00408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P002-0104	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3G9

DESIGNED BY LEE DATE 2004-02-26
 DRAWN BY SMYKOWSKI DATE 2004-02-26
 CHECKED BY WOODWARD DATE 2004-02-26
 APPROVED BY WOODWARD DATE 2004-02-26

Rev	Date	Description	Signature
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0	04-08-17	ISSUED FOR TENDER	R.L.

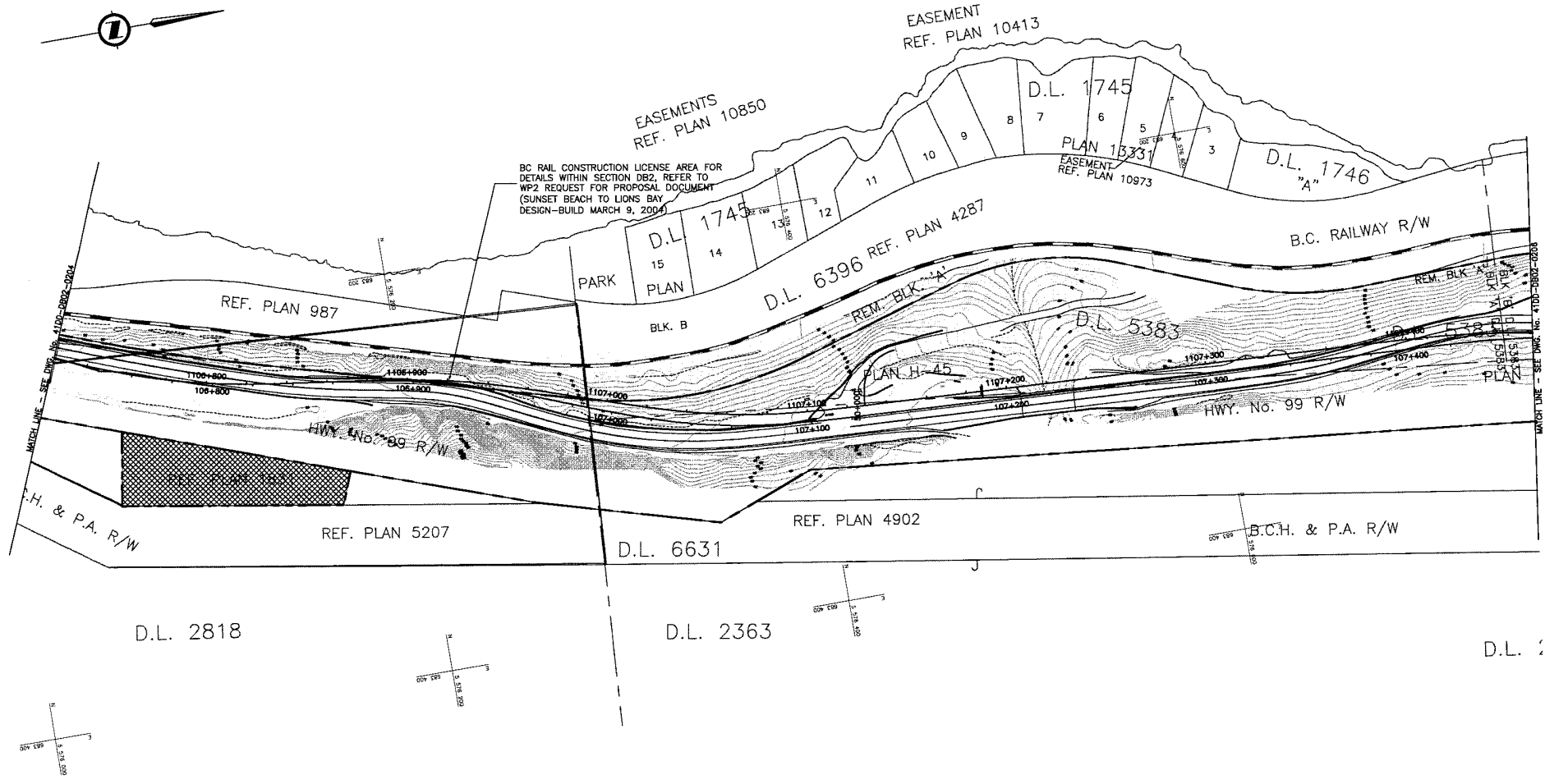
REVISIONS

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 105+980.000 TO STA 106+720.000

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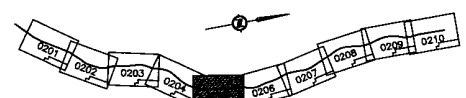
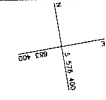
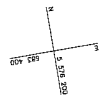
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 E. 552754.888
 N. 102744.888



BC RAIL CONSTRUCTION LICENSE AREA FOR DETAILS WITHIN SECTION DB2, REFER TO WP2 REQUEST FOR PROPOSAL DOCUMENT (SUNSET BEACH TO LIONS BAY DESIGN-BUILD MARCH 9, 2004)

MATCH LINE - SEE DRAWING 41DD-DB02-0202

MATCH LINE - SEE DRAWING 41DD-DB02-0203



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

DWG. No.	Description	Rev	Date	Description	Signature
4100-1003-0105	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN	PA	04-04-06	ISSUED FOR REQUEST FOR PROPOSAL	IRL
WP2-RFP-2005	RFP - AVAILABLE RIGHT-OF-WAY PLANS	0	04-08-17	ISSUED FOR TENDER	IRL

SNC-LAVALIN
 1800 - 1075 West George Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED A. LEE DATE 2004-02-28
 DRAWN M. BIRCH DATE 2004-02-28
 CHECKED J. WOODS DATE 2004-04-28
 APPROVED J. THORVA DATE 2004-04-28

SCALE 0 1:1000 50

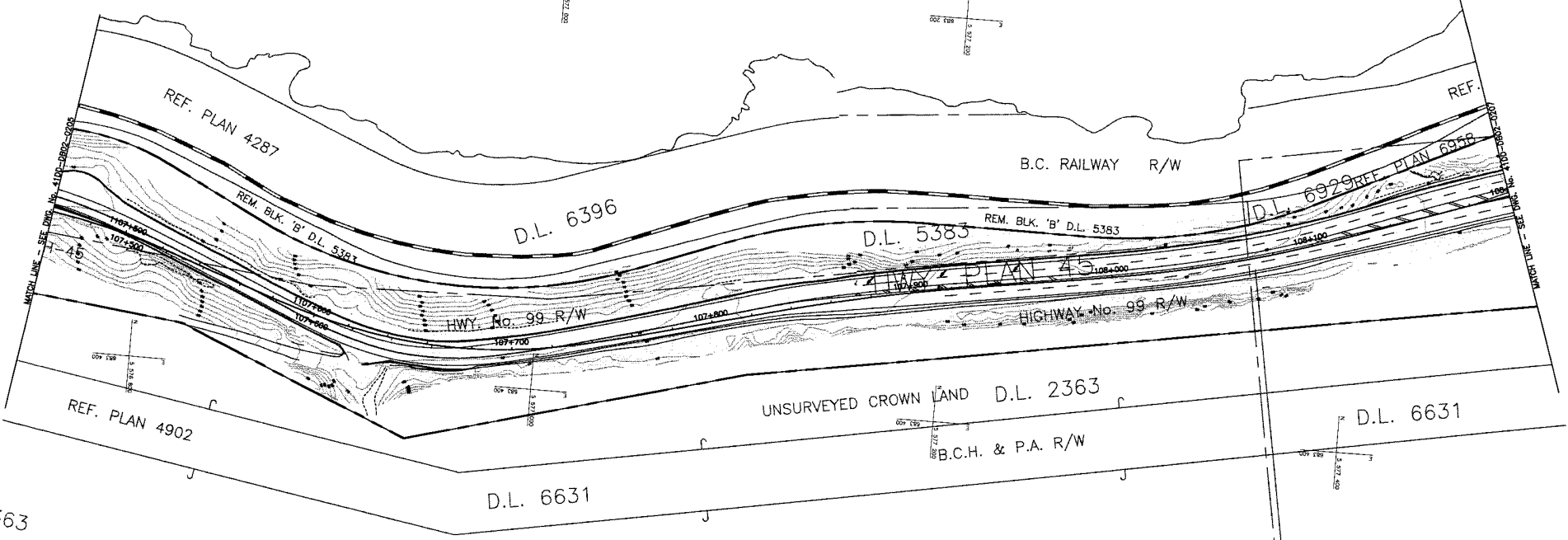
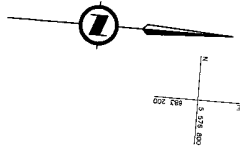
REVISIONS

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 106+720.000 TO STA 107+460.000

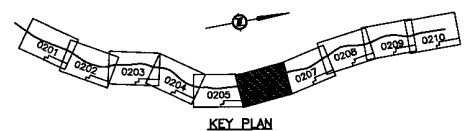
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2363

D.L. 2363



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB02-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

--- PROPOSED RIGHT-OF-WAY
 --- EXISTING RIGHT-OF-WAY
 [Hatched Box] RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P003-0106	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 SNC-LAVALIN
 1800 - 1075 Street George Street
 Vancouver, B.C.
 Canada V6C 3G8

DESIGNED A. LEE DATE 2004-02-26
 DRAWN M. BROWN DATE 2004-02-26
 CHECKED R. WILSON DATE 2004-04-22
 APPROVED J. TOSAKA DATE 2004-04-28

SCALE 0 1:1000 50

Rev	Date	Description	Signature
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D	04-08-17	ISSUED FOR TENDER	RL

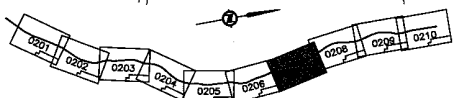
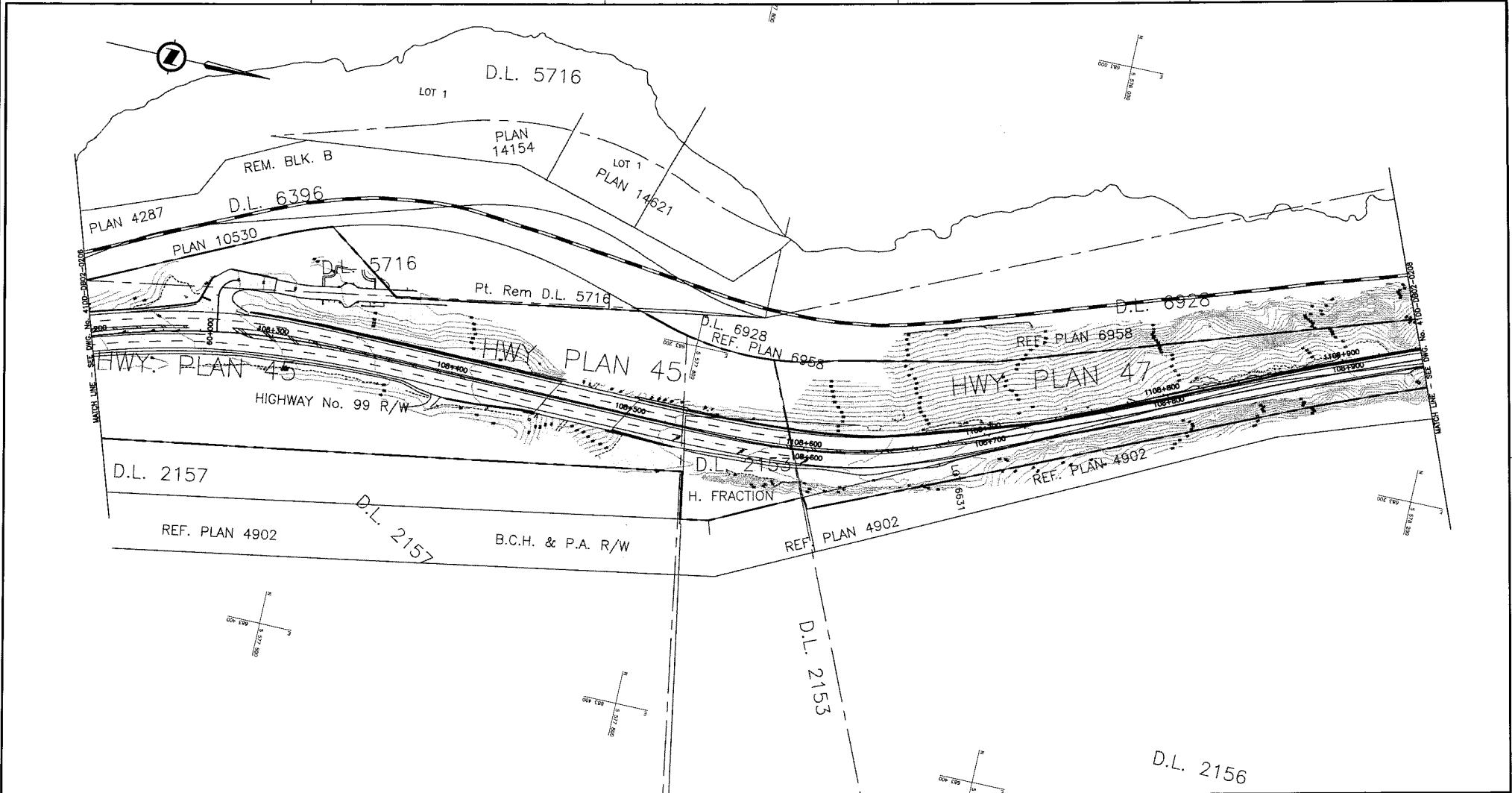
REVISIONS

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 107+460.000 TO STA 108+200.000

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE No. PROJECT No. REV. DRAWING No.
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DATE 2004/02/26 - 8:07 AM
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
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 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

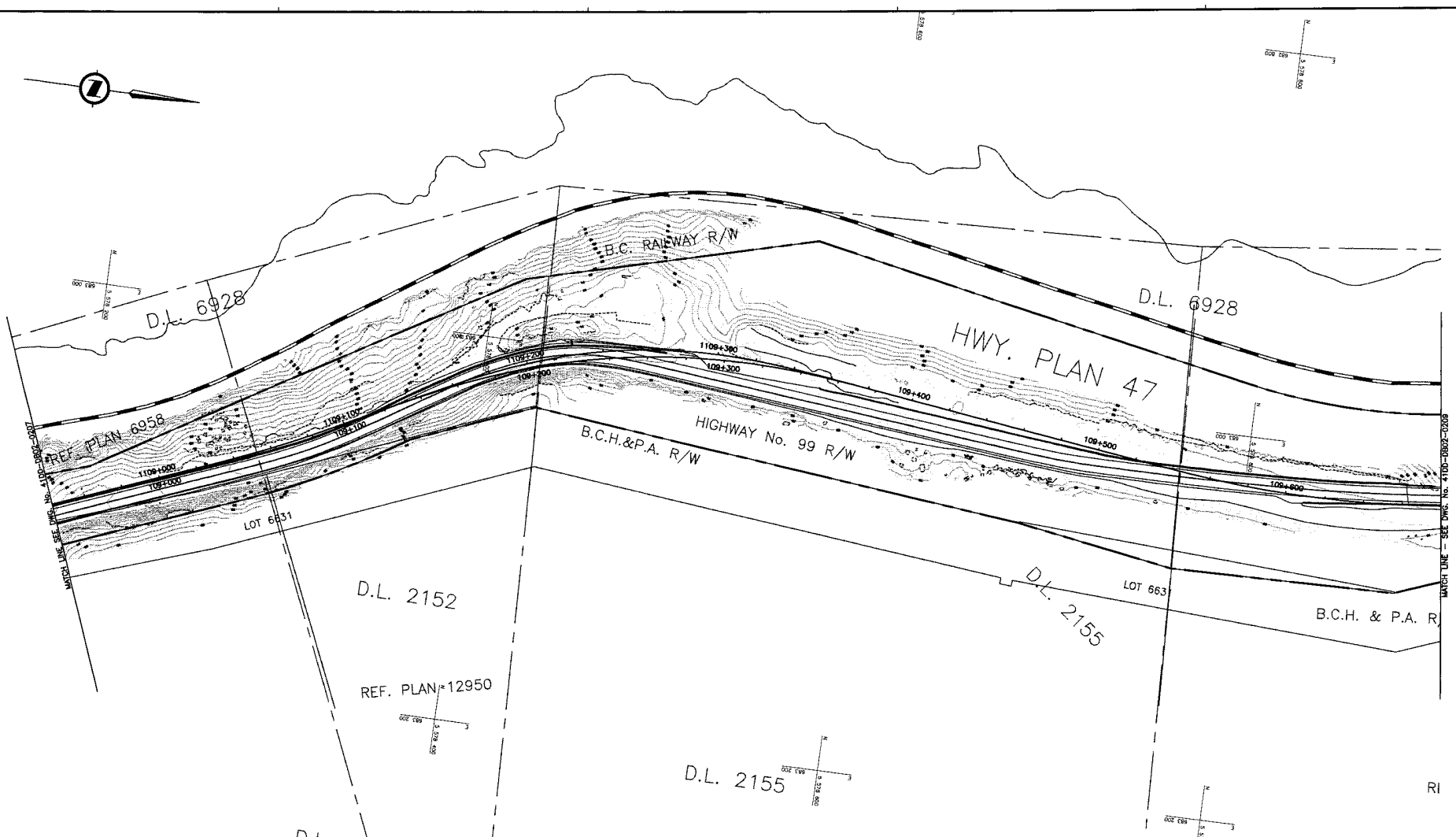
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB02-0107	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

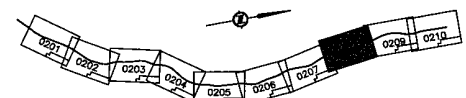
 SNC-LAVALIN 1830 - 1070 West George Street Vancouver, B.C. Canada, V6E 3G9		DESIGNED: J. LAE DRAWN: M. BIRSE CHECKED: S. WONG/S. HARTWIG APPROVED: J. TRENG		DATE: 2001-02-22 DATE: 2004-02-22 DATE: 2001-04-13 DATE: 2001-04-22
SCALE 0 1:1000 50		Description PA 04-04-30 ISSUED FOR REQUEST FOR PROPOSAL S 04-08-17 ISSUED FOR TENDER		Signature R.L. R.L.
REVISIONS				

 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB2 SUNSET BEACH TO LIONS BAY STA 108+200.000 TO STA 108+940.000			
SENIOR DESIGN ENGINEER FILE No. 016315-EN10-S	PROJECT No. 09901-7005 REL. 1	DATE 41DD-DB02-0207	DRAWING No. 0

DATE: 2004/08/08 - 08:27m
 FILE: C:\Users\jlae\Documents\41DD-DB02-0107\41DD-DB02-0107.dwg
 PLOT: 41DD-DB02-0107.dwg
 PLOT DATE: 2004/08/08 08:27m



D.L. 2307



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.
 TO CONVERT FROM UTM TO THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

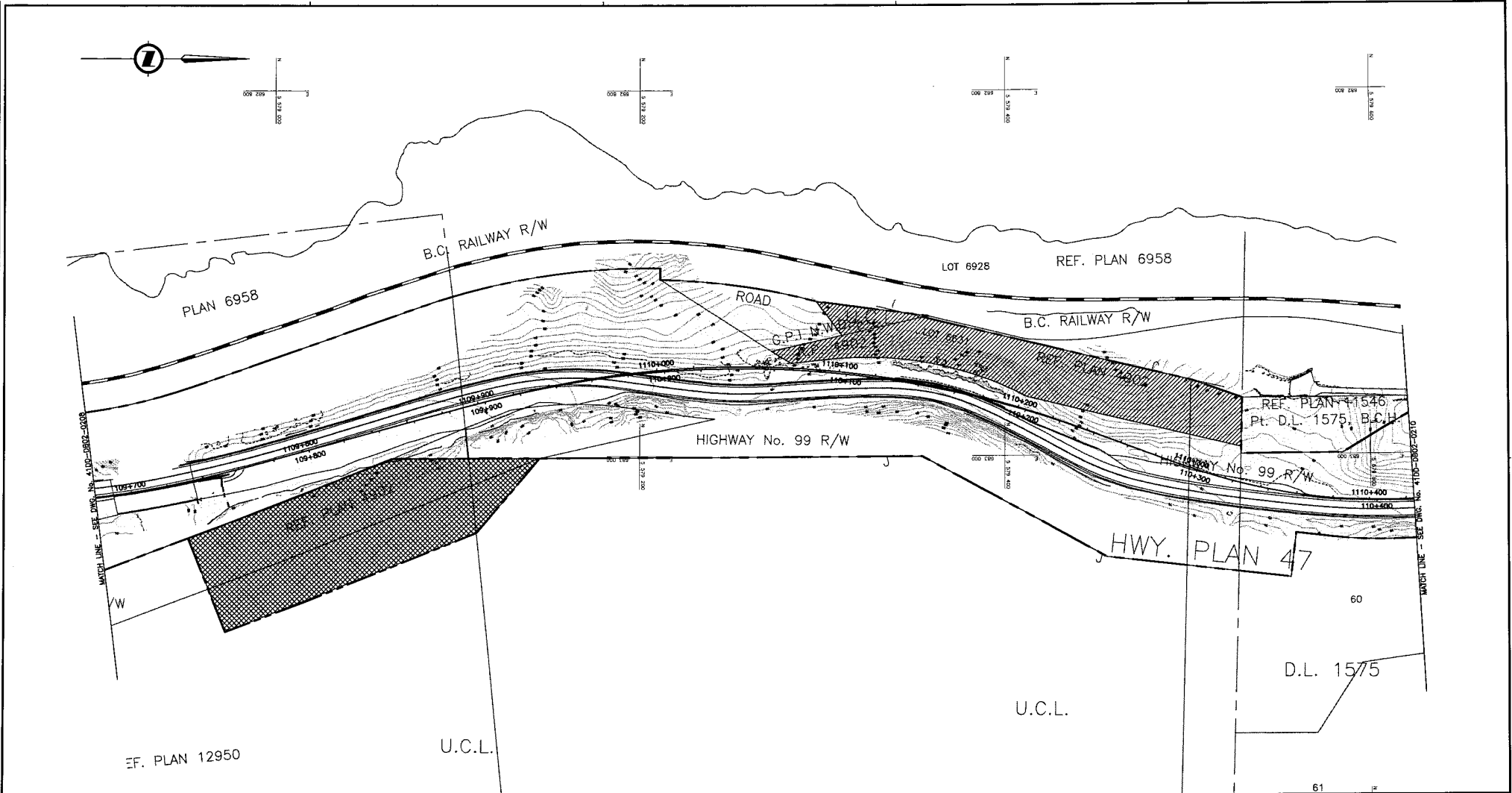
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PO02-0108	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN 1850 - 1070 West George Street Vancouver, B.C. Canada, V6E 3G9		DESIGNED <u>S. JAY</u> DATE 2004-02-26 DRAWN <u>A. BIRCH</u> DATE 2004-02-26 CHECKED <u>S. WONG/S. MATHIAS</u> DATE 2004-04-23 APPROVED <u>J. TREHNS</u> DATE 2004-04-23
SCALE 0 1:1000 50	Rev. 04-04-02 ISSUED FOR REQUEST FOR PROPOSAL 04-08-17 ISSUED FOR TENDER	Signature R.L. R.L.
REVISIONS		

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB2 SUNSET BEACH TO LIONS BAY STA 108+940.000 TO STA 109+680.000	
SENIOR DESIGN ENGINEER FILE No. 1081315-EN10-S	PROJECT No. 09901-7005 RES. 1 DRAWING No. 41DD-DB02-0208 0

DATE: 2004/04/26 10:40 AM
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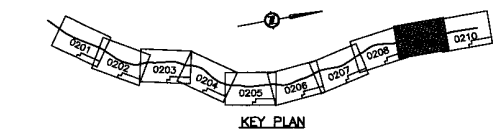


DATE: 2004-02-28 8:00AM
 FILE: 41DD-DB02-0209.dwg
 USER: J. TOSKES
 PLOT: 41DD-DB02-0209 - Size: 300x450 - Color: - DWG/PLOT - 41DD-DB02-0209.dwg
 PLOT: 41DD-DB02-0209 - Size: 300x450 - Color: - DWG/PLOT - 41DD-DB02-0209.dwg

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL

DWG. No.	Description
41DD-DB02-0109	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1070 West George Street
 Vancouver, B.C.
 Canada V6E 3G9

DESIGNED BY: J. TOSKES DATE: 2004-02-28
 DRAWN BY: J. TOSKES DATE: 2004-02-28
 CHECKED BY: J. TOSKES DATE: 2004-02-28
 APPROVED BY: J. TOSKES DATE: 2004-02-28

SCALE 0 1:1000 50

Rev.	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL
D	04-08-17	ISSUED FOR TENDER	RL

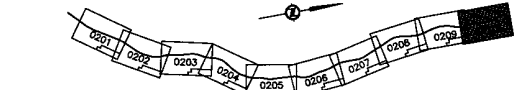
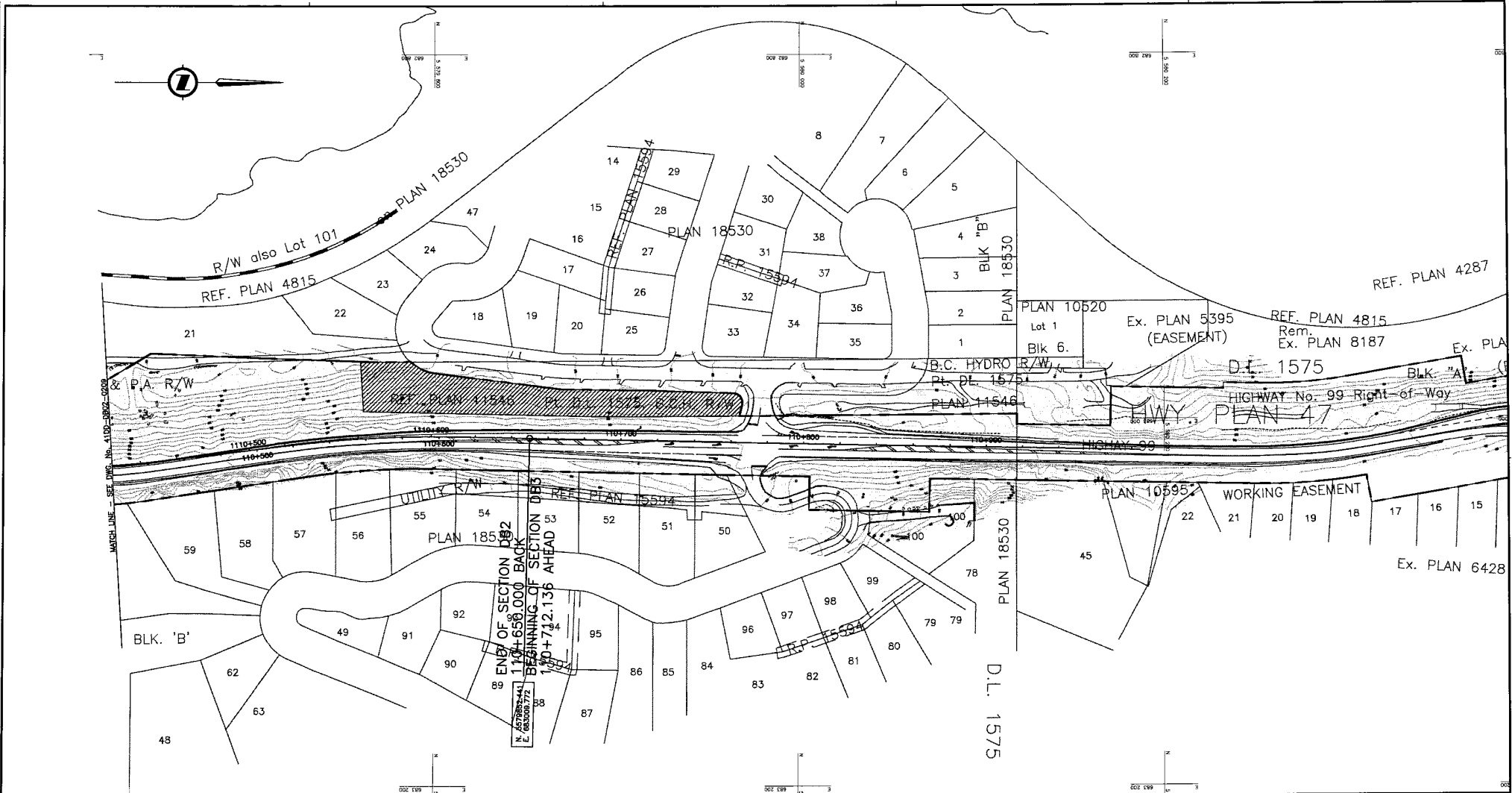
REVISIONS

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 109+680.000 TO STA 110+420.000

SENIOR DESIGN ENGINEER: J. TOSKES DATE: 2004-02-28

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB02-0209 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.
 TO CONVERT FROM UTM TO THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-7003-010	ASSOCIATED ENGINEERING - PRELIMINARY DESIGN - PLAN	PL	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL
			D	04-08-17	ISSUED FOR TENDER	RL

SNC-LAVALLIN
 1800 - 1070 West George Street
 Vancouver, B.C.
 Canada, V6E 3G3

DESIGNED BY: [Signature] DATE: 2004-02-26
 DRAWN BY: [Signature] DATE: 2004-08-31
 CHECKED BY: [Signature] DATE: 2004-04-12
 APPROVED BY: [Signature] DATE: 2004-04-28

SCALE: 0 1:1000 50

DESIGNED BY: [Signature] DATE: 2004-02-26
 DRAWN BY: [Signature] DATE: 2004-08-31
 CHECKED BY: [Signature] DATE: 2004-04-12
 APPROVED BY: [Signature] DATE: 2004-04-28

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB2
 SUNSET BEACH TO LIONS BAY
 STA 110+420.000 TO STA 110+650.000

SENIOR DESIGN ENGINEER: [Signature] DATE: []
 FILE No. PROJECT No. REV. DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB02-0210 | 0

DATE: 2004/08/31 - 08:00 AM
 FILE: 016315-EN10-S - See to Skyway - Canada - Hwy 99 - DBFO - SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT - DBFO - HORSESHOE BAY TO WHISTLER



BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

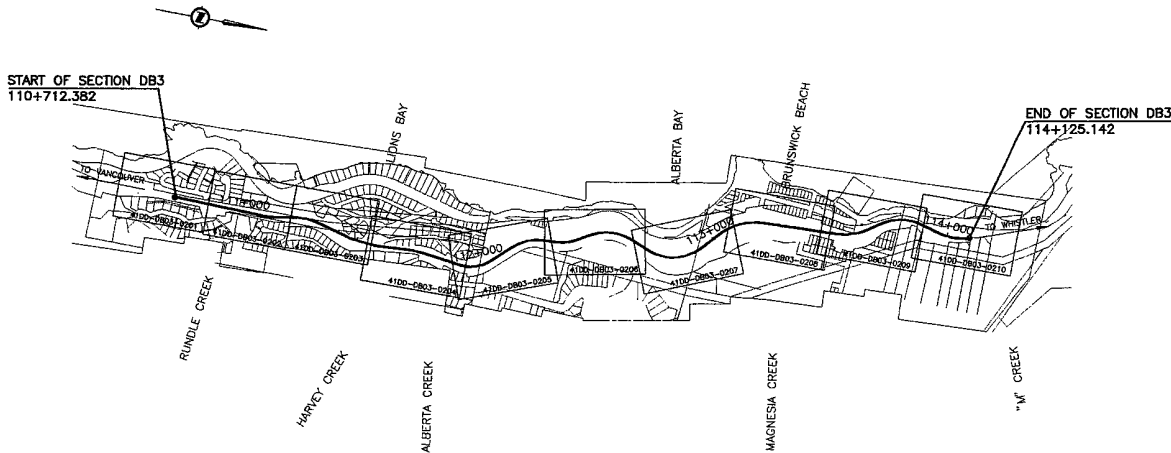
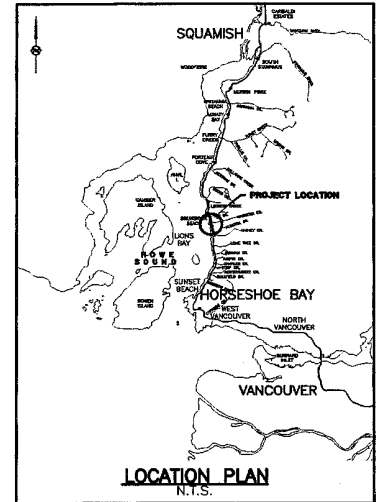
PROJECT No. 09901

Section DB3

Lions Bay to Brunswick Beach

DRAWING INDEX

41DD-DB03-0000	1	COVER SHEET
41DD-DB03-0001	1	PLAN, PROFILE, LAMING SCHEMATIC
41DD-DB03-0201	1	RIGHT-OF-WAY PLAN STA 110+712.382 TO STA 110+850.000
41DD-DB03-0202	1	RIGHT-OF-WAY PLAN STA 110+850.000 TO STA 111+195.000
41DD-DB03-0203	1	RIGHT-OF-WAY PLAN STA 111+195.000 TO STA 111+535.000
41DD-DB03-0204	1	RIGHT-OF-WAY PLAN STA 111+535.000 TO STA 111+920.000
41DD-DB03-0205	1	RIGHT-OF-WAY PLAN STA 111+920.000 TO STA 112+302.000
41DD-DB03-0206	1	RIGHT-OF-WAY PLAN STA 112+302.000 TO STA 112+695.000
41DD-DB03-0207	1	RIGHT-OF-WAY PLAN STA 112+695.000 TO STA 113+112.000
41DD-DB03-0208	1	RIGHT-OF-WAY PLAN STA 113+112.000 TO STA 113+505.000
41DD-DB03-0209	1	RIGHT-OF-WAY PLAN STA 113+505.000 TO STA 113+910.000
41DD-DB03-0210	1	RIGHT-OF-WAY PLAN STA 113+910.000 TO STA 114+125.142



KEY PLAN
0 1:10000 500

SNC-LAVALIN 1800 - 1078 West Georgia Street Vancouver, B.C. Canada V6C 3G9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE AS NOTED		DESIGNED B. LEE DATE 2004-02-25 DRAWN M. POKO DATE 2004-02-25 CHECKED R. WONG/S. MacNEIL DATE 2004-04-21 APPROVED J. TASAKA DATE 2004-04-22	
DBFO - HORSESHOE BAY TO WHISTLER COVER SHEET SECTION DB3 LIONS BAY TO BRUNSWICK BEACH STA 110+712.382 TO STA 114+125.142		SENIOR DESIGN ENGINEER _____ DATE _____ FILE No. _____ PROJECT No. _____ PER. _____ DRAWING No. _____	
016315-EN10-S		09901-7005 1 41DD-DB03-0000 1	

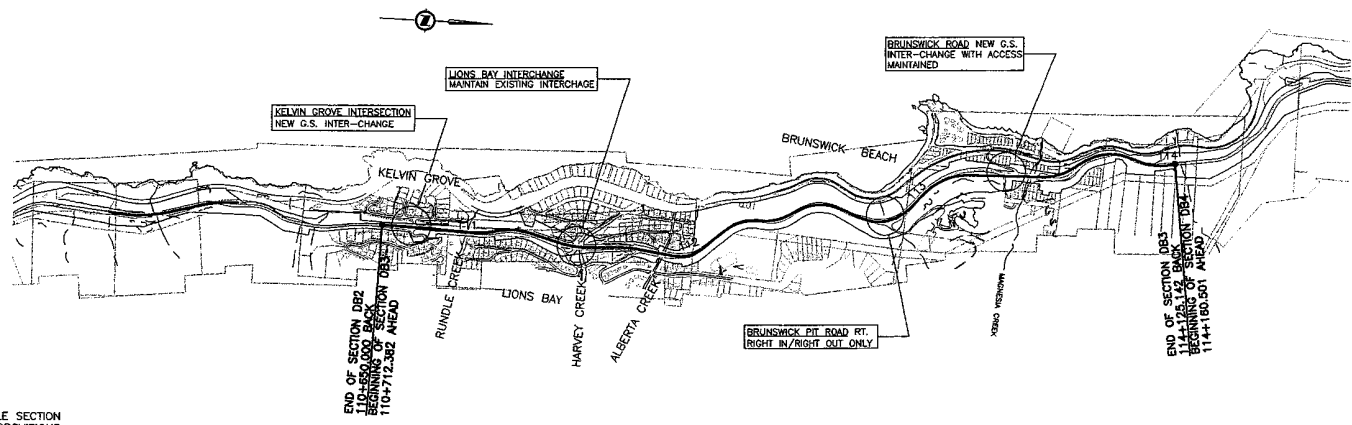
PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-24-04	ISSUED FOR REQUEST FOR PROPOSAL	RLC
0	04-29-04	ISSUED FOR TENDER	RLC
1	04-10-05	STATIONING AND ALIGNMENT CHANGES	RLC

REFERENCE DRAWINGS

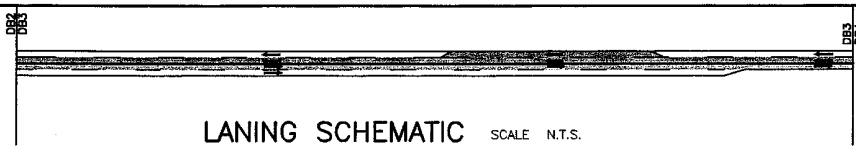
REVISIONS

DATE: 2004/04/21 11:43 AM BY: J. TASAKA PLOT: 41DD-DB03-0000.DWG PLOT: 41DD-DB03-0000

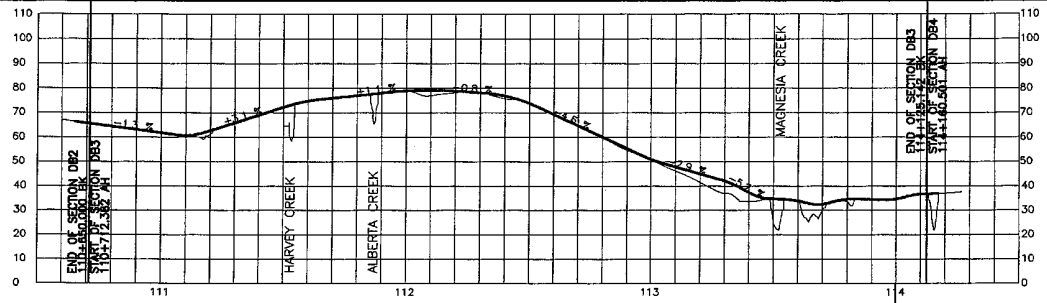


NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ. 1:10,000 500
 0 VERT. 1:1000 50

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	PARS-110-201	SNC-LAVALLIN - PRELIMINARY ALIGNMENT - PROFILE DRAWINGS	PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	RKL
	110-PHS-2101	CHEW-HILL - PRELIMINARY DESIGN 100% SUBMISSION	PB	04-07-04	REVISED FOR REQUEST FOR PROPOSAL	RKL
			D	04-08-17	ISSUED FOR TENDER	RKL
			1	04-10-12	STATIONING AND PROFILE CHANGES	RKL

REFERENCE DRAWINGS

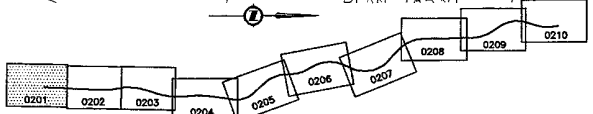
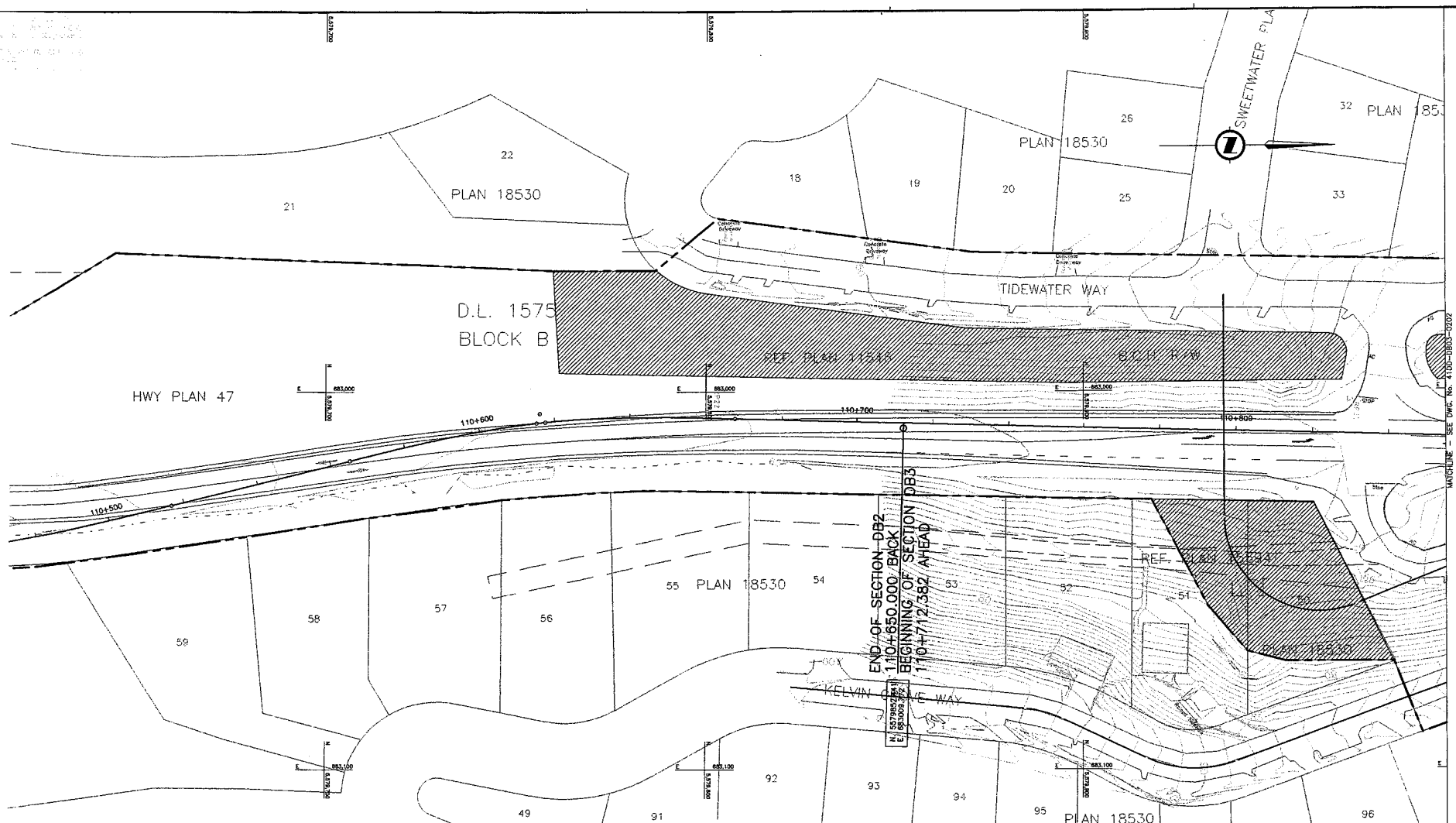
SNC-LAVALLIN 1500 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3Z9		
RESPONDED BY: LIT	DATE 2004-02-25	
DRAWN BY: MORGAN/LOW	DATE 2004-02-25	
CHECKED BY: MORGAN/MORRISON	DATE 2004-02-25	
APPROVED BY: T. SASAKI	DATE 2004-02-25	

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 110+712.382 TO STA. 114+125.142

SENDER DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV. 1	DRAWING No.
	41DD-DB03-0001

THIS DRAWING IS THE PROPERTY OF SNC-LAVALLIN. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SNC-LAVALLIN.



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PNS-0108	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-PRS-0103	CH2M-HILL-PRELIMINARY DESIGN 1:500 SUBMISSION

SNC-LAVALIN
 1000 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3Z9

BRITISH COLUMBIA
 9001

DESIGNED BY J.L.J. DATE 2004-04-01
 DRAWN BY C.H. LEONARD DATE 2004-04-01
 CHECKED BY M.W.S./S. MATHIASO DATE 2004-04-23
 APPROVED BY T. TASEBA DATE 2004-04-28

SCALE 0 1:500 25

Rev	Date	Description	Signature
PA	04-04-02	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-07	ISSUED FOR TENDER	RKL
1	04-10-10	PROPOSED R.O.W. LANE ADDED	RKL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

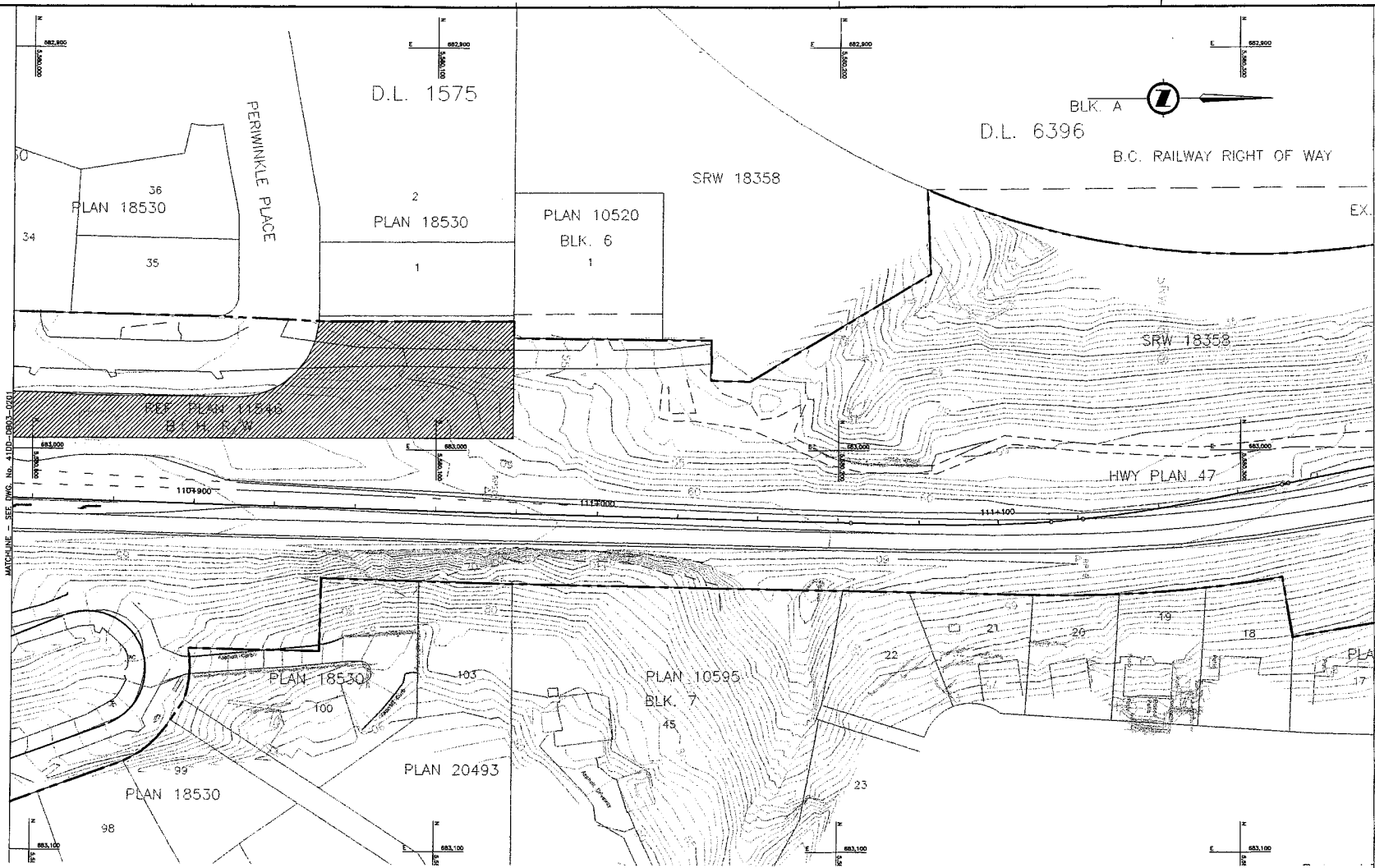
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 110+712.382 TO STA. 110+850.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
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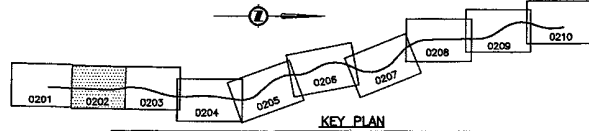
REFERENCE DRAWINGS REVISIONS

DATE: 2004/04/28 2:58pm
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 PLOT: 2004/04/28 2:58pm
 PLOTTER: HP DesignJet 5000



MATCHLINE - SEE DWG. NO. 41DD-DB03-020

MATCHLINE - SEE DWG. NO. 41DD-DB03-020



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PMS-0108	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-PMS-0101	CH2M-HILL - PRELIMINARY DESIGN 100% SUBMISSION

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6C 3C9		BRITISH COLUMBIA	
SCALE 0 1:500 25 DESIGNED B. LEE DATE 2004-04-21 DRAWN S. LANGRISH DATE 2004-04-21 CHECKED E. WENZEL/DATE 2004-04-21 APPROVED T. USAKA DATE 2004-04-28			
Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	ROL
0	04-08-17	ISSUED FOR TENDER	ROL
1	04-10-18	PROPOSED R.O.W. LINE ADDED	ROL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 110+850.000 TO STA. 111+195.000

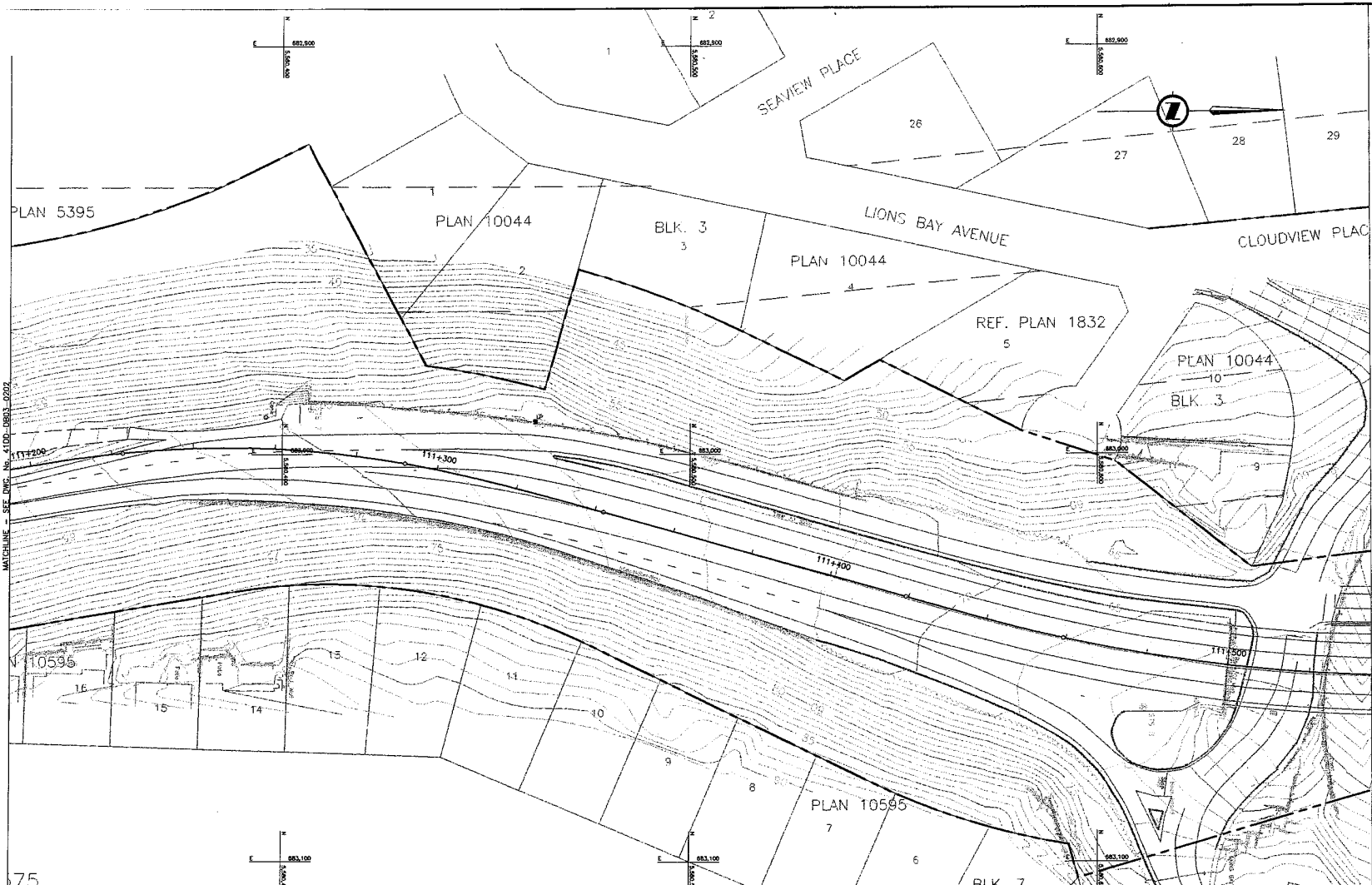
SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB03-0202 1

REFERENCE DRAWINGS

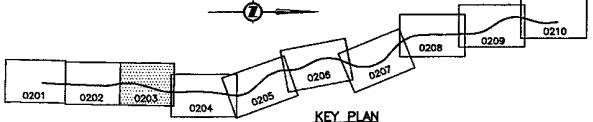
REVISIONS

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 2004-04-28 10:00:00
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 2004-04-28 10:00:00
 41DD-DB03-0202.dwg
 2004-04-28 10:00:00



MATCHLINE - SEE DRG. NO. 4100-DB03-0202

MATCHLINE - SEE DRG. NO. 4100-DB03-0204



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
4100-PAVS-0108	SNC-LAVALEN - PRELIMINARY ALIGNMENT - PLAN
4100-PAVS-0107	CH2M-HILL - PRELIMINARY DESIGN 100% SUBMISSION
0201	
0202	
0203	
0204	
0205	
0206	
0207	
0208	
0209	
0210	

REFERENCE DRAWINGS

SNC-LAVALEN
 1900 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED BY JET DATE 2004-04-01
 DRAWN BY J.L. LEONARD DATE 2004-04-01
 CHECKED BY M. MOSE/CL. MONTGOMERY DATE 2004-04-23
 APPROVED BY T. USARA DATE 2004-04-28

SCALE 0 1:500 25

Rev	Date	Description	Signature
PA	04-04-01	ISSUED FOR REQUEST FOR PROPOSAL	RKL
0	04-08-17	ISSUED FOR TENDER	RKL
1	04-10-15	PROPOSED R.O.W. LINE ADDED	RKL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

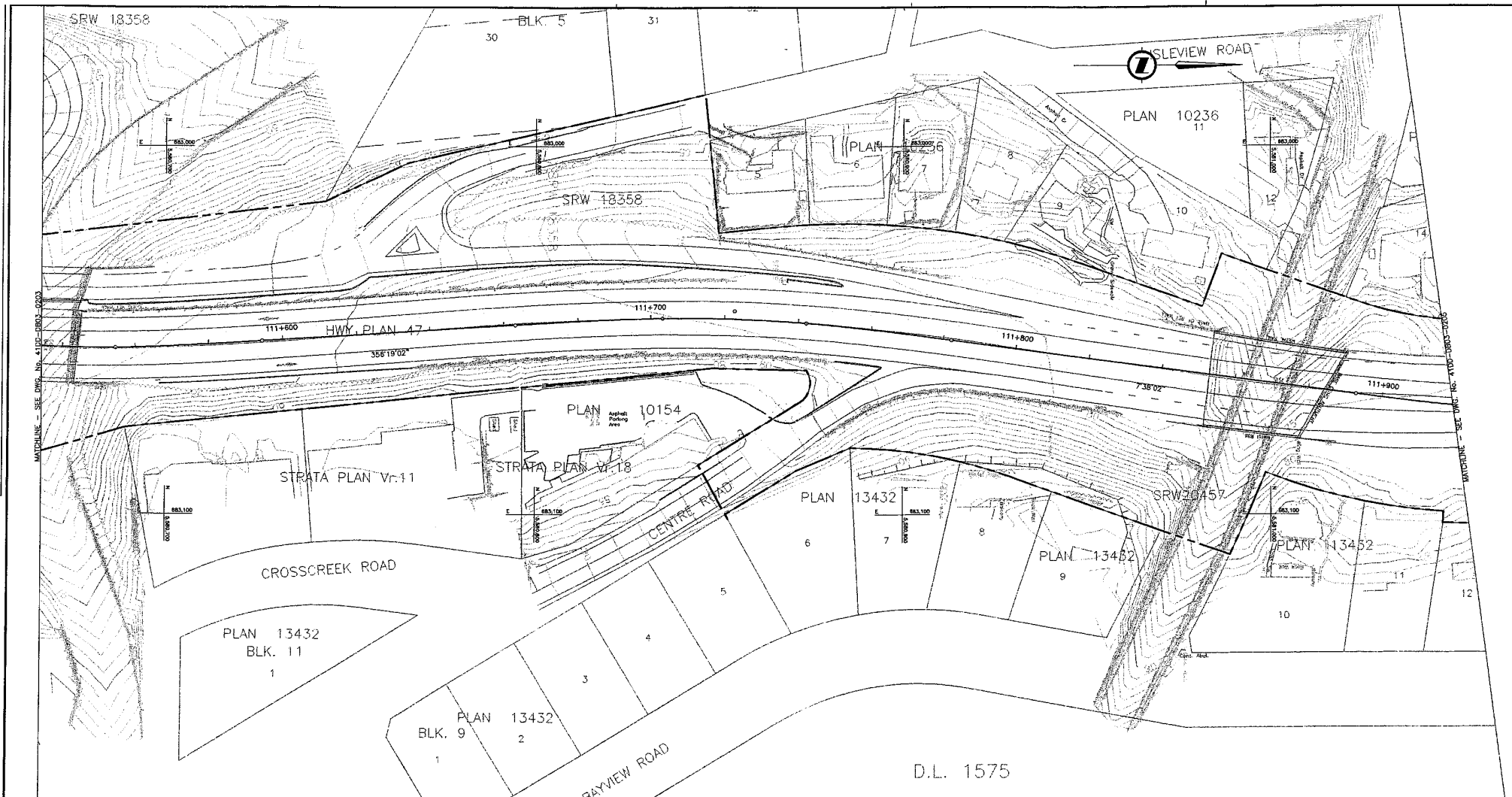
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 111+195.000 TO STA. 114+535.000

SENIOR DESIGN ENGINEER DATE

FILE NO. PROJECT NO. REV. DRAWING NO.

016315-EN10-S 09901-7005 1 41DD-DB03-0203 1

4100-DB03-0203.dwg
 2004-04-28 10:00:00
 T. USARA
 4100-DB03-0203.dwg
 2004-04-28 10:00:00
 T. USARA



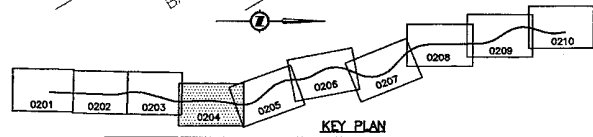
NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.

TO CONVERT FROM UTM TO THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PWS-0308	SNC LAMULIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-P205-0107 0204/110	CHEW-HILL-PRELIMINARY DESIGN 100% SUBMISSION

REFERENCE DRAWINGS

SNC-LAVALIN 1500 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		BRITISH COLUMBIA
DESIGNED B. LEE	DATE 2004-04-21	
DRAWN: G.M. LEGER	DATE 2004-04-21	
CHECKED: E. MORGAN/M. MUMFORD	DATE 2004-04-23	
APPROVED: T. INABA	DATE 2004-04-28	

Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	RNL
D	04-08-17	ISSUED FOR TENDER	RNL
1	04-10-18	PROPOSED R.O.W. LINE ADDED	RNL

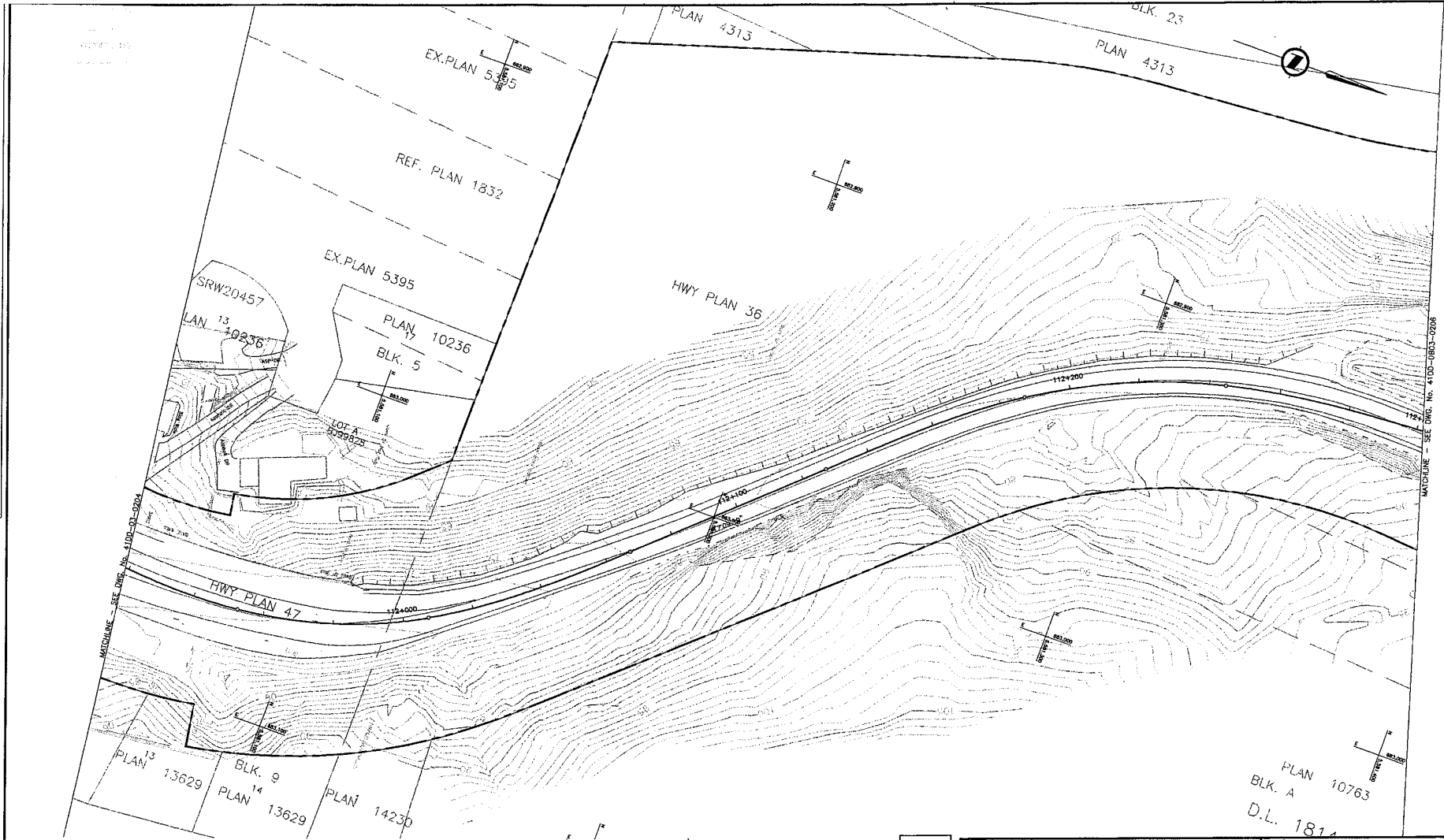
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

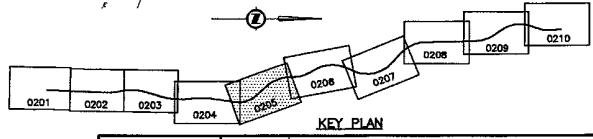
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 111+535.000 TO STA. 111+920.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB03-0204 1



MATCHLINE - SEE DWG. NO. 41DD-DB03-0208



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-P005-0108	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL
	41DD-P005-0101	CH2M-HILL-PRELIMINARY DESIGN 100% SUBMISSION	0	04-09-17	ISSUED FOR TENDER	RL
	0201		1	04-10-15	PROPOSED R.O.W. LINE ADDED	RL

REFERENCE DRAWINGS

SNC-LAVALIN		SNC-LAVALIN		1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9	
DESIGNED	B. LEE	DATE	2004-04-01	DRWN	S.H. LEONOR
CHECKED	B. WARD/S. MONTGOMERY	DATE	2004-04-23	APPROVED	J. BOGARD
SCALE 0 1:500 25					
REVISIONS					

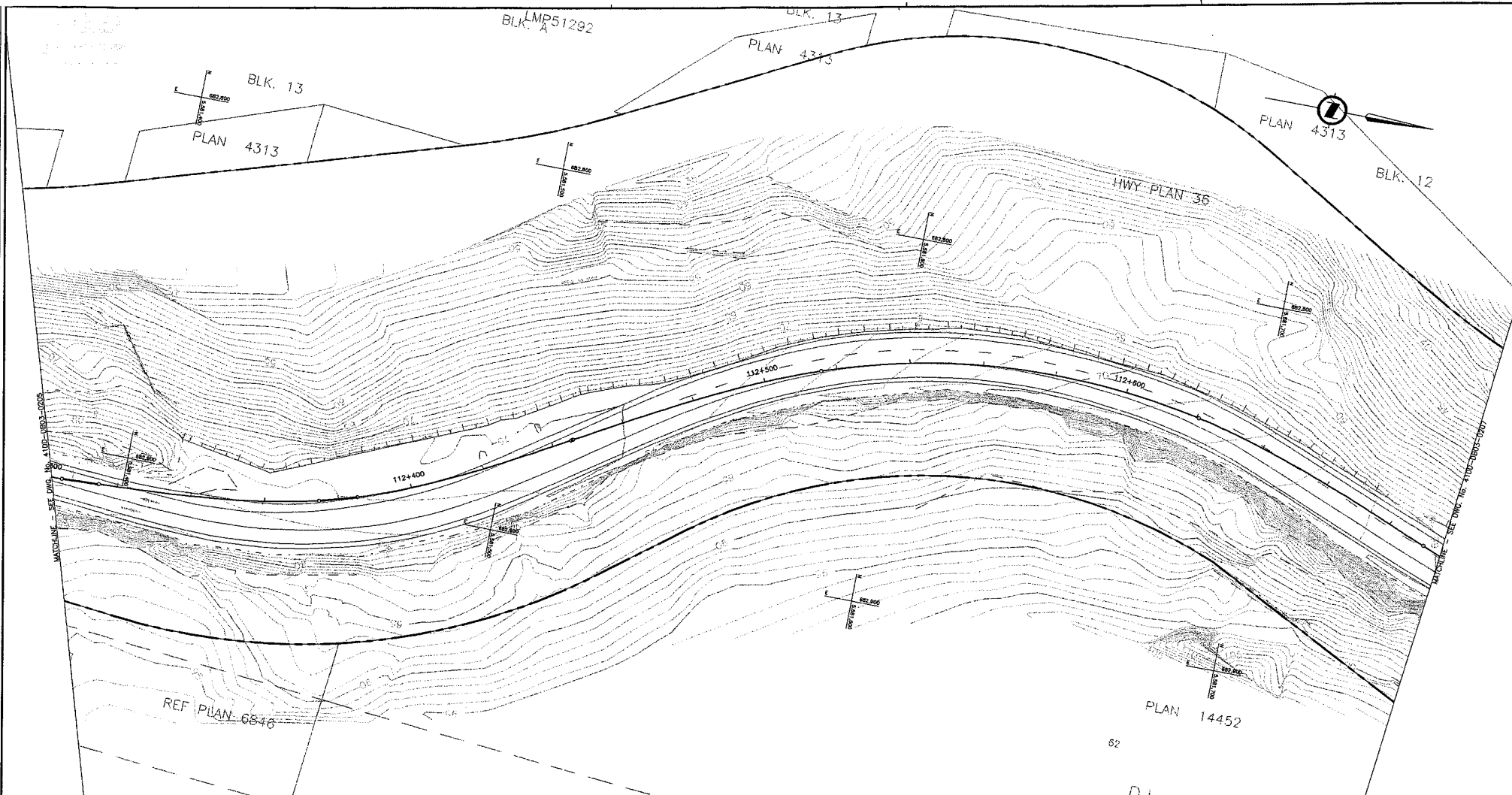
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLANS
SECTION DB3
LIONS BAY TO BRUNSWICK BEACH
STA. 111+920.000 TO STA. 112+302.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No. PROJECT No. REC. NO. DRAWING No.
016315-EN10-S 09901-7005 1 41DD-DB03-0205 | 1

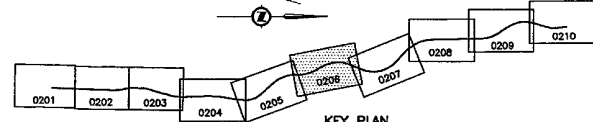
DATE PLOTTED: 2004-04-23 10:58:11 AM BY: S.H. LEONOR



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P&E-0108	SNC LAMIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-P&E-0101 0200110	CH2M-HILL - PRELIMINARY DESIGN 100% SUBMISSION

 SNC-LAVALIN 1500 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3Z9		RECEIVED B.L.D. DATE 2004-04-21 DRAWN: G.M. LEGER DATE 2004-04-21 CHECKED: B. WONG/G. HATHORN DATE 2004-04-23 APPROVED: J. TASEGA DATE 2004-04-23	
SCALE 0 1:500 25			
Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-17	ISSUED FOR TENDER	RKL
1	04-10-16	PROPOSED S.D.N. LINE ADDED	RKL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

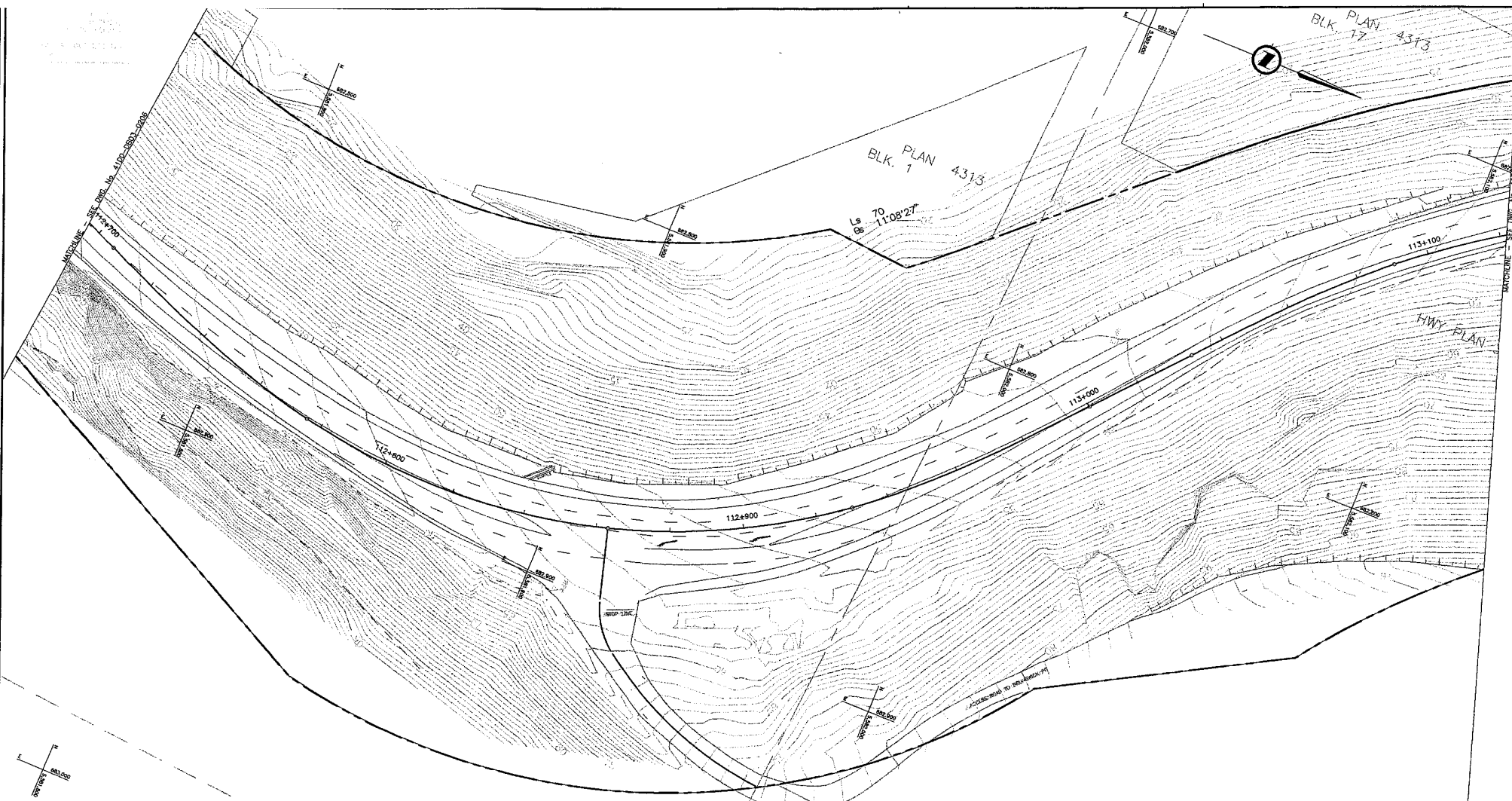
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 112+302.000 TO STA. 112+695.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB03-0206 1

REFERENCE DRAWINGS REVISIONS

P:\016315-EN10-S\016315-EN10-S-DB3-112+302.000-112+695.000-Plan-A.dwg
 DATE: 2004-04-23 10:00:00 AM
 USER: j.tasega



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

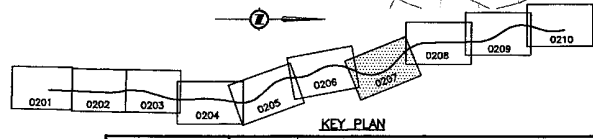
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	4100-PAIS-0109	SNC LALALIN - PRELIMINARY ALIGNMENT - PLAN
	4100-POIS-0107 (REVISED)	CH2M-HILL - PRELIMINARY DESIGN 100% SUBMISSION

REFERENCE DRAWINGS

SNC-LALALIN
 1900 - 1078 West Georgia Street
 Vancouver, B.C.
 Canada V6C 2G9

BRITISH COLUMBIA

DESIGNED BY LIT DATE 2004-04-01
 DRAWN BY CAL LEONOR DATE 2004-04-01
 CHECKED BY MORGAN/ST. MORGAN DATE 2004-04-24
 APPROVED BY T. TISADA DATE 2004-04-24

Rev	Date	Description	Signature
PA	04-04-01	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-17	ISSUED FOR TENDER	RKL
1	04-10-15	PROPOSED R.O.W. LINE ADDED	RKL

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLANS
 SECTION DB3
 LIONS BAY TO BRUNSWICK BEACH
 STA. 112+695.000 TO STA. 113+112.000

SENDER DESIGN ENGINEER: _____ DATE: _____

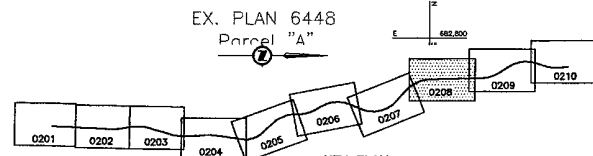
FILE No. PROJECT No. REG. DRAWING No.
 016315-EN10-S 09901-7005 1 4100-DB03-0207 1



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

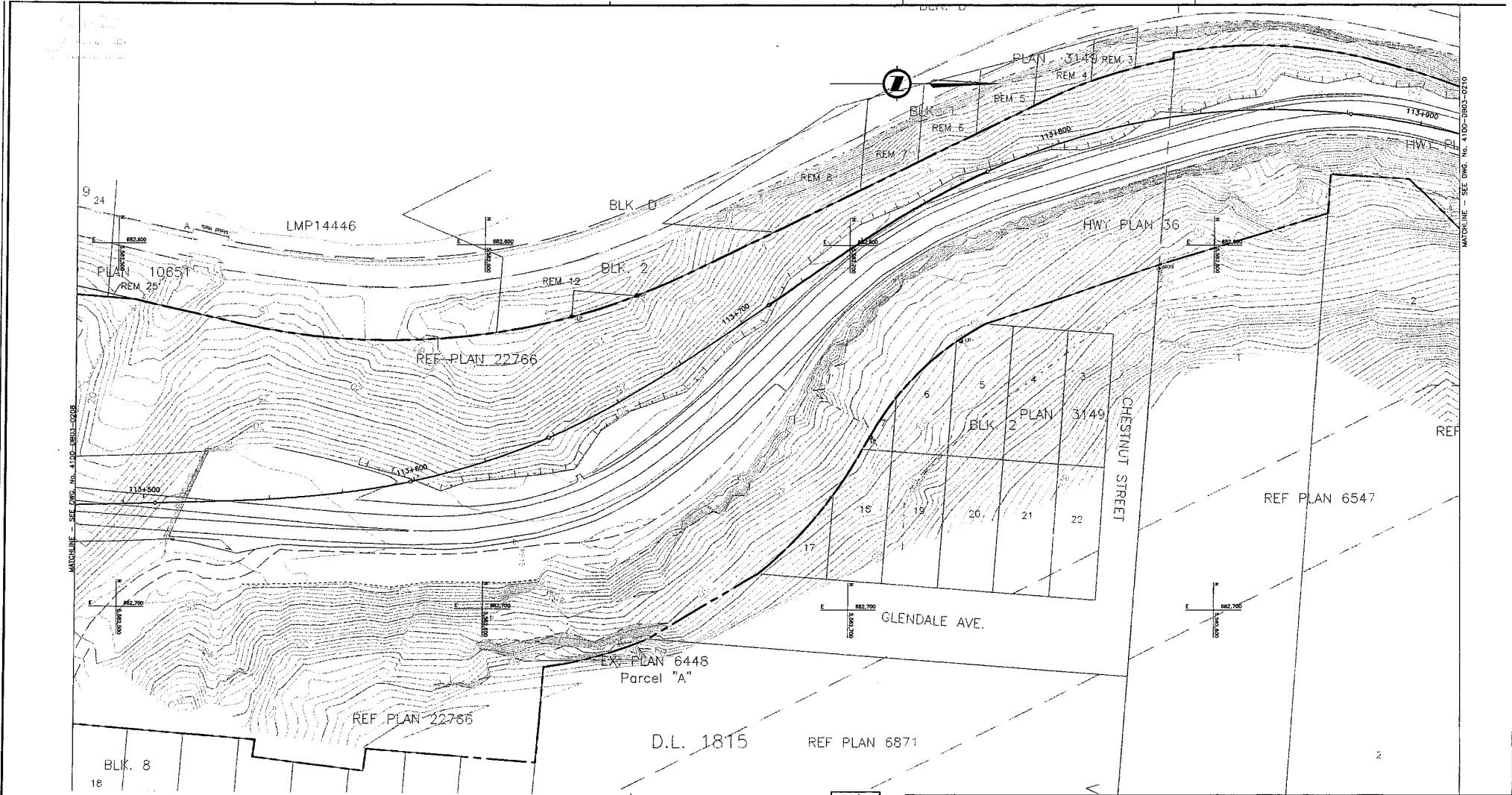


KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DC-PAG-0109	SNC LAMALIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-PDB-0101 10/06/10	CH2M-HILL-PRELIMINARY DESIGN 100% SUBMISSION

 SNC-LAMALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:500 25		DESIGNED B. LEF DRAWN G.H. LEONOR CHECKED B. WONG/A. MATHRELL APPROVED T. TAMBA	
DATE 2004-04-21 DATE 2004-08-21 DATE 2004-04-22 DATE 2004-04-28		DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLANS SECTION DB3 LIONS BAY TO BRUNSWICK BEACH STA. 113+112.000 TO STA. 113+505.000	
SENIOR DESIGN ENGINEER		DATE	
FILE No. 016315-EN10-S		PROJECT No. 09901-7005	
REF. 1		DRAWING No. 41DD-DB03-0208	
REVISIONS		1	

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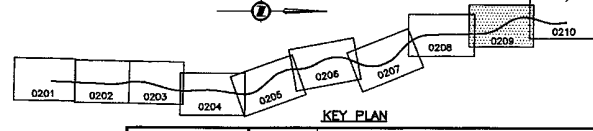


NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.
TO CONVERT FROM UTM TO THE 'SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PAS-0108	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN
	41DD-PAS-0101 REV010	CH2M-HILL-PRELIMINARY DESIGN 100% SUBMISSION

REFERENCE DRAWINGS

SNC-LAVALIN
1500 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED BY JET DATE 2004-04-01
DRAWN BY G.H. LECHOR DATE 2004-04-01
CHECKED BY MORGAN/STANBOL DATE 2004-04-23
APPROVED BY T. TAKARA DATE 2004-04-23

SCALE 0 1:500 25

Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	JRL
D	04-08-17	ISSUED FOR TENDER	JRL
1	04-10-15	PROPOSED R.O.W. LINE ADDED	JRL

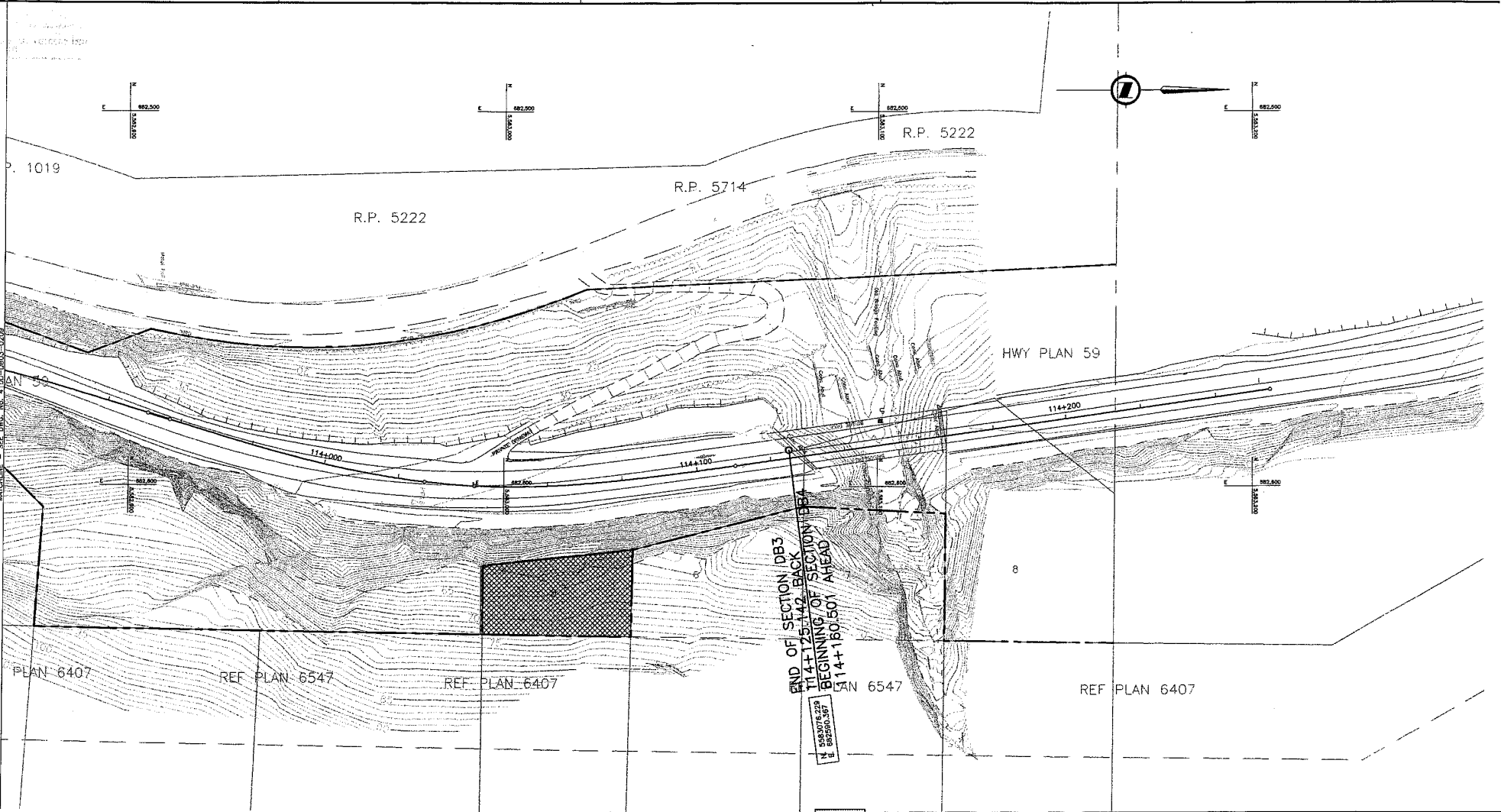
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016315-EN10-S	09901-7005	1	41DD-DB03-0209 1

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

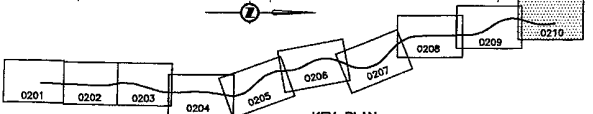
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLANS
SECTION DB3
LIONS BAY TO BRUNSWICK BEACH
STA. 113+505.000 TO STA. 113+910.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

DATE: 2004-04-23
 DRAWN BY: G.H. LECHOR
 CHECKED BY: MORGAN/STANBOL
 APPROVED BY: T. TAKARA
 PROJECT: DBFO - HORSESHOE BAY TO WHISTLER
 SECTION: DB3
 DRAWING: 41DD-DB03-0209



END OF SECTION DB3
114+175.142 BACK
BEGINNING OF SECTION DB4
114+180.501 AHEAD
N 5583076.529
E 8825245.67



LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION
- RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL

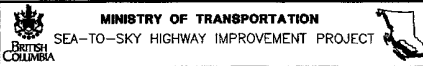
DWG. No.	Description
4100-PAWS-0109	SNC LAXALIN - PRELIMINARY ALIGNMENT - PLAN
4100-PAWS-0101 (REV)110	CHOW-HILL - PRELIMINARY DESIGN 100% SUBMISSION

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-17	ISSUED FOR TENDER	RKL
1	04-10-15	PROPOSED R.D.M. LINE ADDED	RKL

REVISIONS

SNC-LAXALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V5E 3Z9



DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLANS
SECTION DB3
LIONS BAY TO BRUNSWICK BEACH
STA. 113+910.000 TO STA. 114+125.142

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB03-0210 1

SNC-LAXALIN 4100-DB03-0210.dwg 2004-04-23 11:00:00 AM



BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

PROJECT No. 09901

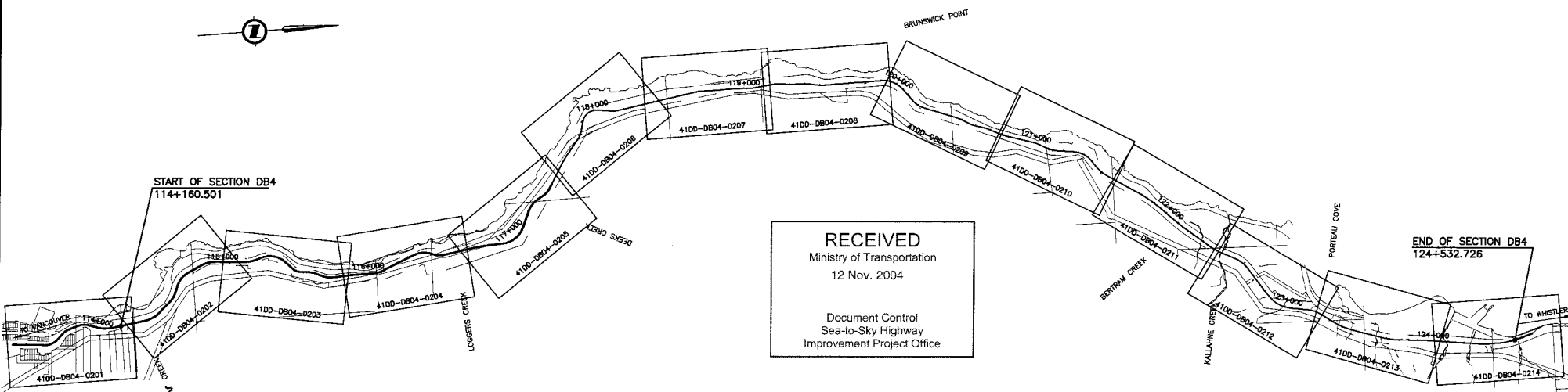
Section DB4

Brunswick Beach to Porteau Cove



DRAWING INDEX

41DD-DB04-0000	1	COVER SHEET
41DD-DB04-0001	1	PLAN, PROFILE, LANNING SCHEMATIC - SHEET 1
41DD-DB04-0002	1	PLAN, PROFILE, LANNING SCHEMATIC - SHEET 2
41DD-DB04-0201	0	RIGHT-OF-WAY PLAN STA 114+160.501 TO STA 114+220.000
41DD-DB04-0202	0	RIGHT-OF-WAY PLAN STA 114+220.000 TO STA 115+060.000
41DD-DB04-0203	0	RIGHT-OF-WAY PLAN STA 115+060.000 TO STA 115+840.000
41DD-DB04-0204	0	RIGHT-OF-WAY PLAN STA 115+840.000 TO STA 116+660.000
41DD-DB04-0205	0	RIGHT-OF-WAY PLAN STA 116+660.000 TO STA 117+520.000
41DD-DB04-0206	0	RIGHT-OF-WAY PLAN STA 117+520.000 TO STA 118+390.000
41DD-DB04-0207	0	RIGHT-OF-WAY PLAN STA 118+390.000 TO STA 119+140.000
41DD-DB04-0208	0	RIGHT-OF-WAY PLAN STA 119+140.000 TO STA 119+945.000
41DD-DB04-0209	0	RIGHT-OF-WAY PLAN STA 119+945.000 TO STA 120+785.000
41DD-DB04-0210	0	RIGHT-OF-WAY PLAN STA 120+785.000 TO STA 121+600.000
41DD-DB04-0211	0	RIGHT-OF-WAY PLAN STA 121+600.000 TO STA 122+400.000
41DD-DB04-0212	0	RIGHT-OF-WAY PLAN STA 122+400.000 TO STA 123+240.000
41DD-DB04-0213	0	RIGHT-OF-WAY PLAN STA 123+240.000 TO STA 124+040.000
41DD-DB04-0214	0	RIGHT-OF-WAY PLAN STA 124+040.000 TO STA 124+532.726



RECEIVED
 Ministry of Transportation
 12 Nov. 2004

Document Control
 Sea-to-Sky Highway
 Improvement Project Office

KEY PLAN
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Document Control Number	Date
CS7005-0036_02	12 Nov. 2004

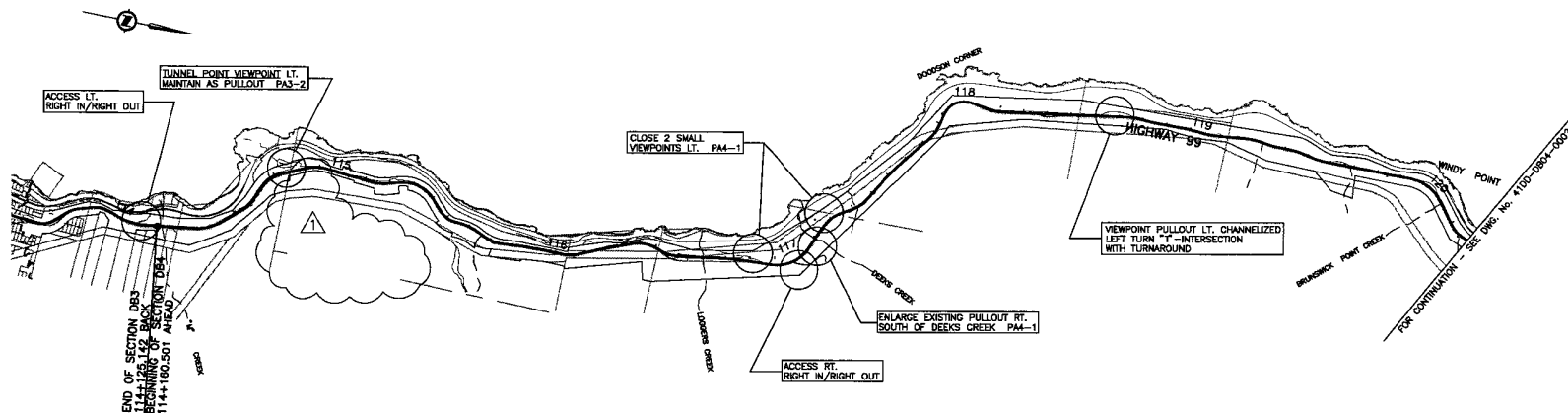
PROFESSIONAL SEAL	DWG. No.	Description

DESIGNED M. LICHTENSTEDER DATE 2004-02-26 DRAWN M. BOND DATE 2004-02-26 CHECKED B. BOND/S. MATHIEU DATE 2004-01-31 APPROVED T. DEBOER DATE 2004-04-29		SCALE AS NOTED	

Rev	Date	Description	Signature
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0	04-06-17	ISSUED FOR TENDER	MAL
1	04-10-29	GENERAL REVISION	MAL

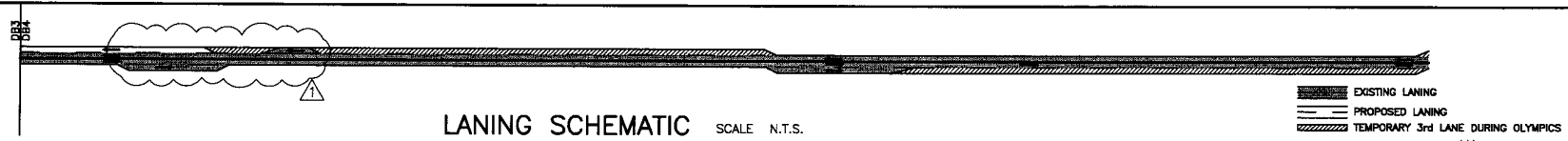
MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER COVER SHEET SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA 114+160.501 TO STA 124+532.726			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0000 1

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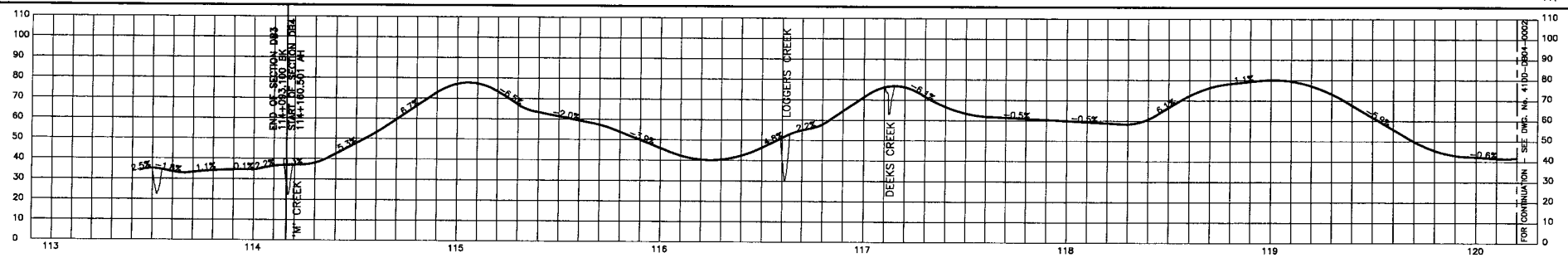


NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ 1:10,000 500
 0 VERT 1:1000 50

FILE: 016315-EN10-S-09901.DWG DATE: 2004-02-25
 PRINT: 016315-EN10-S-09901.DWG DATE: 2004-02-25
 PLOT: 016315-EN10-S-09901.DWG DATE: 2004-02-25

PROFESSIONAL SEAL	DWG. No.	Description
	1120-0066-P0-1	STARTED PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RKL
PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	RKL
O	04-08-17	ISSUED FOR TENDER	RKL
1	04-10-29	GENERAL REVISION	RKL

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3G8

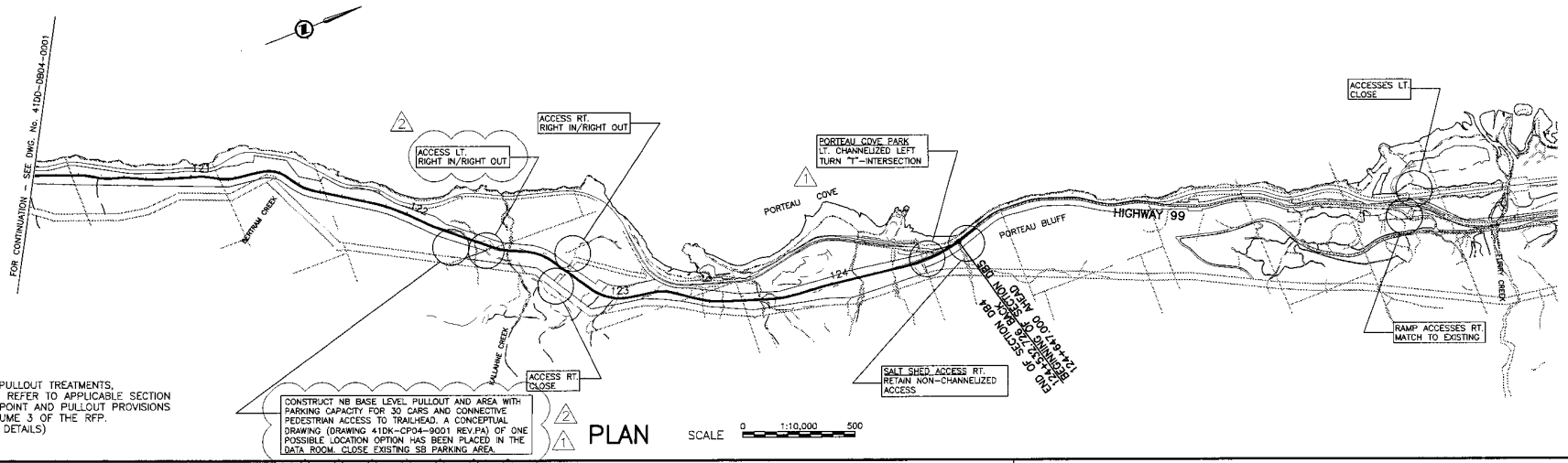
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 1
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA 114+160.501 TO STA 120+200.000

SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB04-0001

REFERENCE DRAWINGS

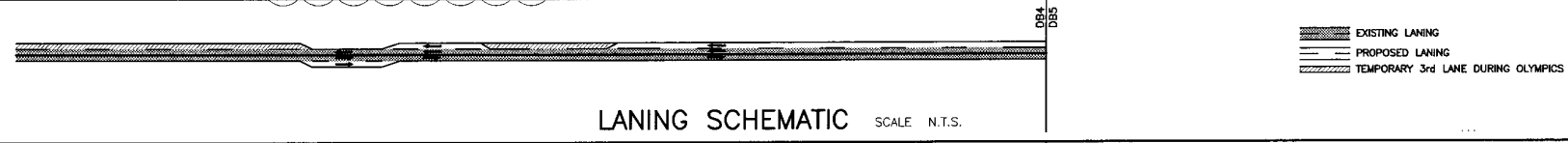
REVISIONS



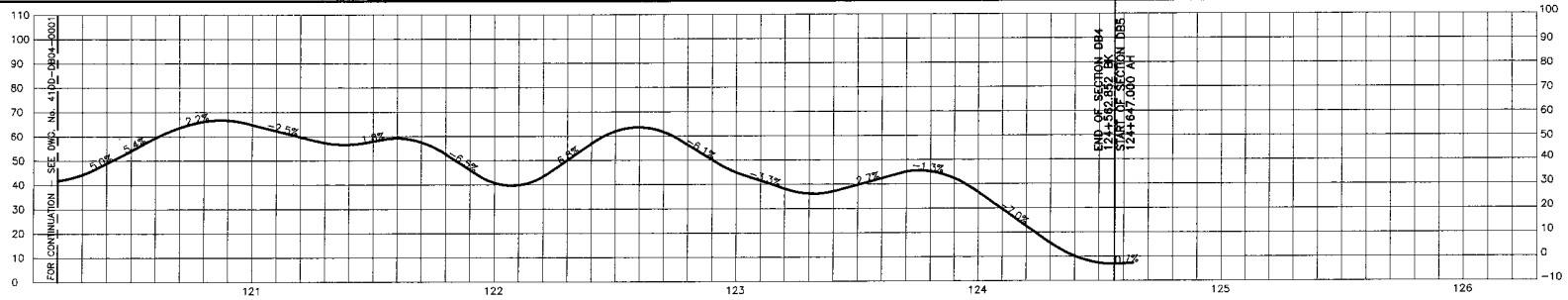
NOTE:
FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

CONSTRUCT NB BASE LEVEL PULLOUT AND AREA WITH PARKING CAPACITY FOR 30 CARS AND CONNECTIVE PEDESTRIAN ACCESS TO TRAILHEAD. A CONCEPTUAL DRAWING (DRAWING 41DK-CP04-9001 REV.P4) OF ONE POSSIBLE LOCATION OPTION HAS BEEN PLACED IN THE DATA ROOM. CLOSE EXISTING SB PARKING AREA.

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



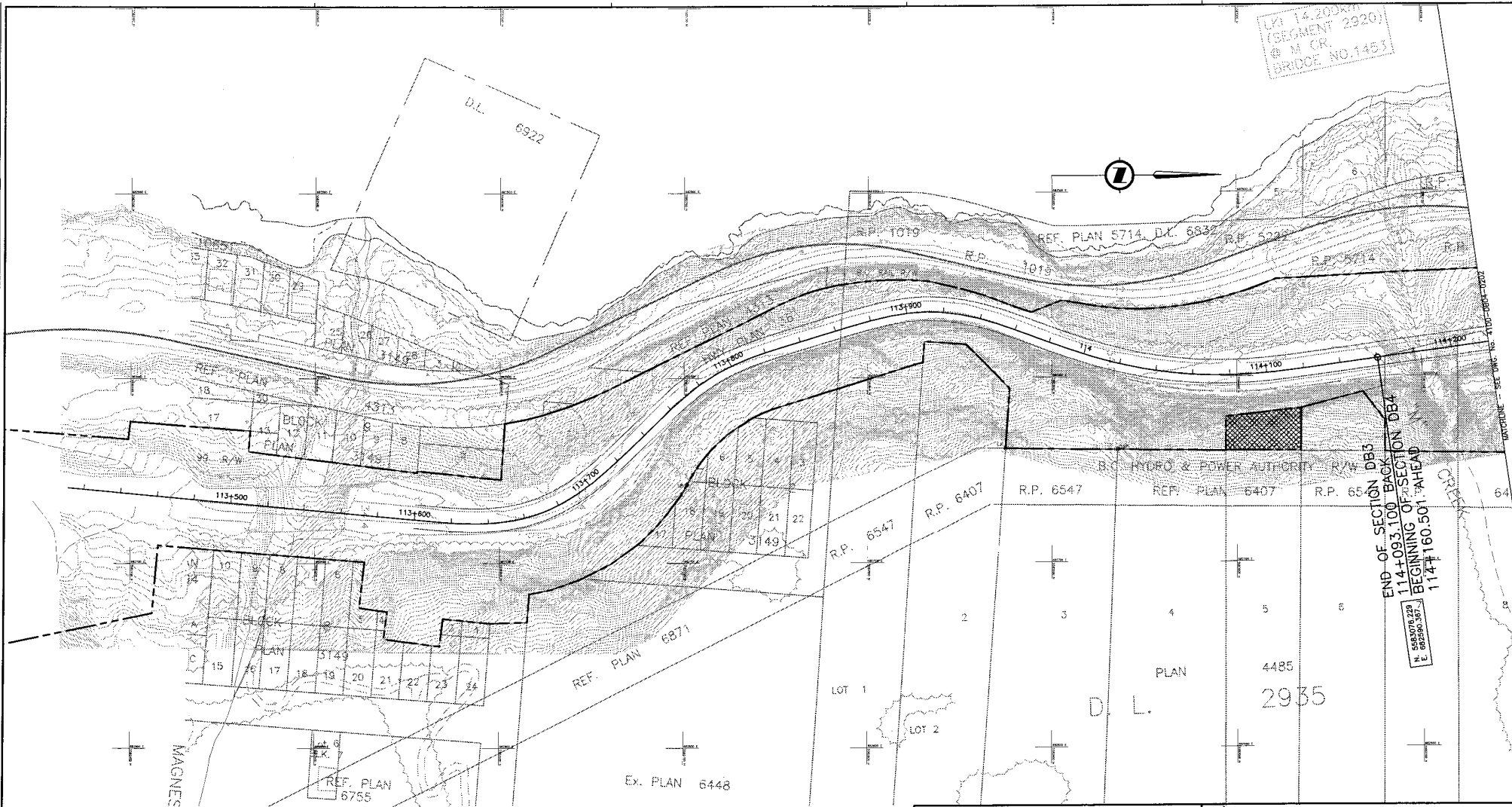
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DATE: 2004-02-25 11:08am
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 USER: jk
 PLOT: 1000

PROFESSIONAL SEAL	DWG. No	Description	Rev	Date	Description	Signature
	120-00568-P0-1	STARTED PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN	PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	RKL
			FB	04-07-00	REVISED FOR REQUEST FOR PROPOSAL	RKL
			0	04-08-17	ISSUED FOR TENDER	RKL
			1	04-10-29	GENERAL REVISION	RKL
			2	04-12-09	GENERAL REVISION	MAL

SNC-LAWALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3G9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED: B. LEE DATE: 2004-02-25 DRAWN: M. KROVCEK DATE: 2004-02-25 CHECKED: S. SCHULZE-MANDEL DATE: 2004-02-25 APPROVED: J. TOSCANO DATE: 2004-02-25		DBFO - HORSESHOE BAY TO WHISTLER PLAN, PROFILE & LANING SCHEMATIC - SHEET 2 SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA 120+200.000 TO STA 124+532.726	
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0002

LVI 14.200R7
 (SEGMENT 2920)
 @ M.C.R.
 BRIDGE NO. 1451



END OF SECTION DB3
 114+093.100 BACK
 BEGINNING OF SECTION DB4
 114+160.501 AHEAD



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.
 TO CONVERT FROM UTM TO THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL / PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-P0-1	STATISTICAL PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

DESIGNED & LIT DATE 2004-04-21
SCALE 0 1:1000 50
DESIGN S. LAM DATE 2004-04-21
CHECKED J. WOODS/CL. WOODS DATE 2004-04-21
APPROVED J. WOODS DATE 2004-04-21

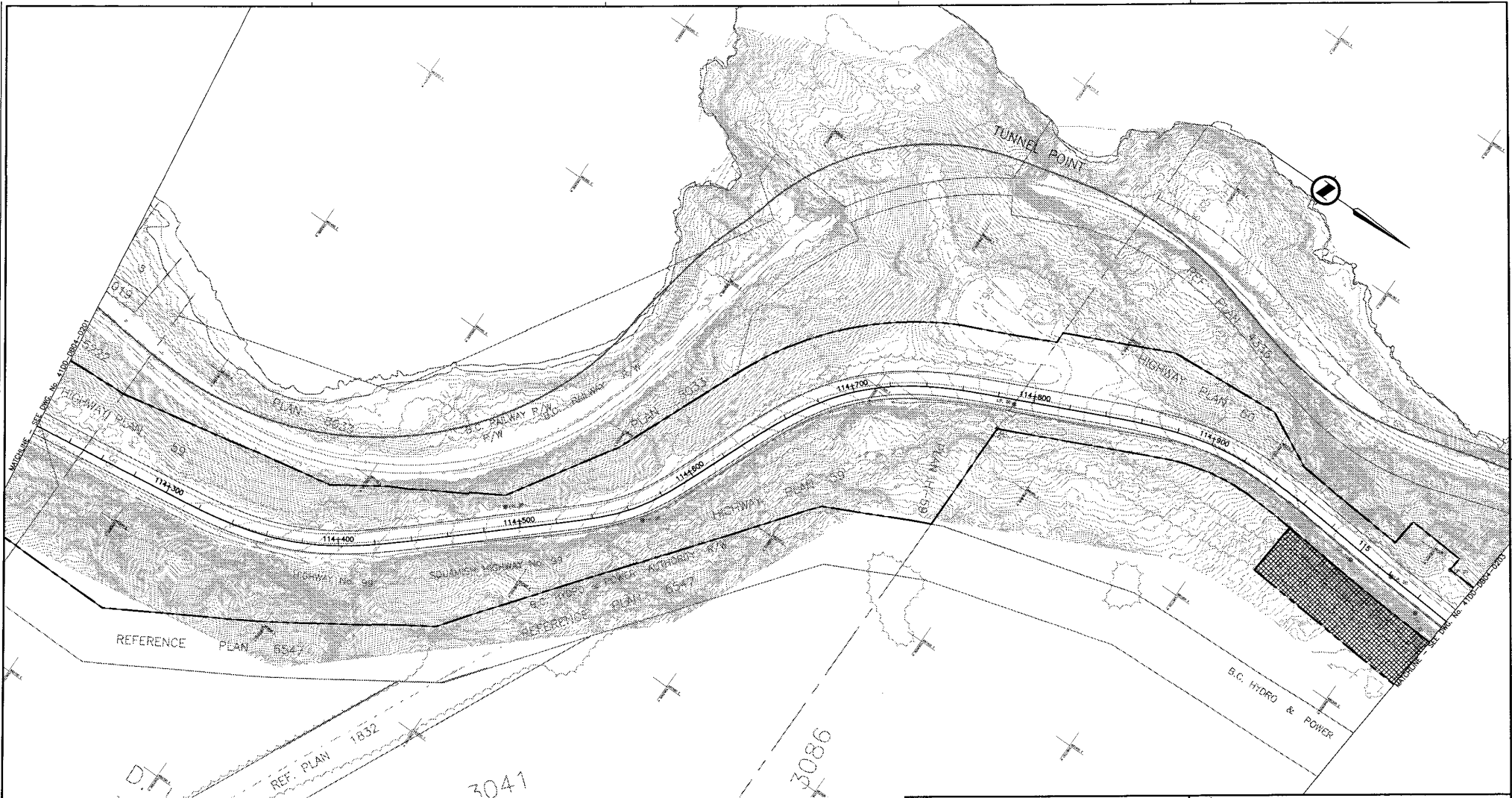
Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	RL
0	04-08-17	ISSUED FOR TENDER	RL

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 114+160.501 TO STA. 114+220.000

SENIOR DESIGN ENGINEER DATE
 FILE No. PROJECT No. RES. DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB04-0201 | 0

DATE: 2004/08/10 - 6:18pm - User: S:\STV\1 - C:\D00 - Drawings - 41DD-DB04-0201\Draw14_Rev0.dwg



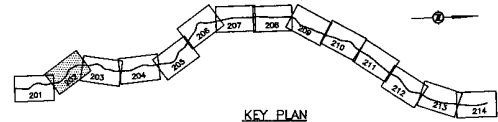
NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

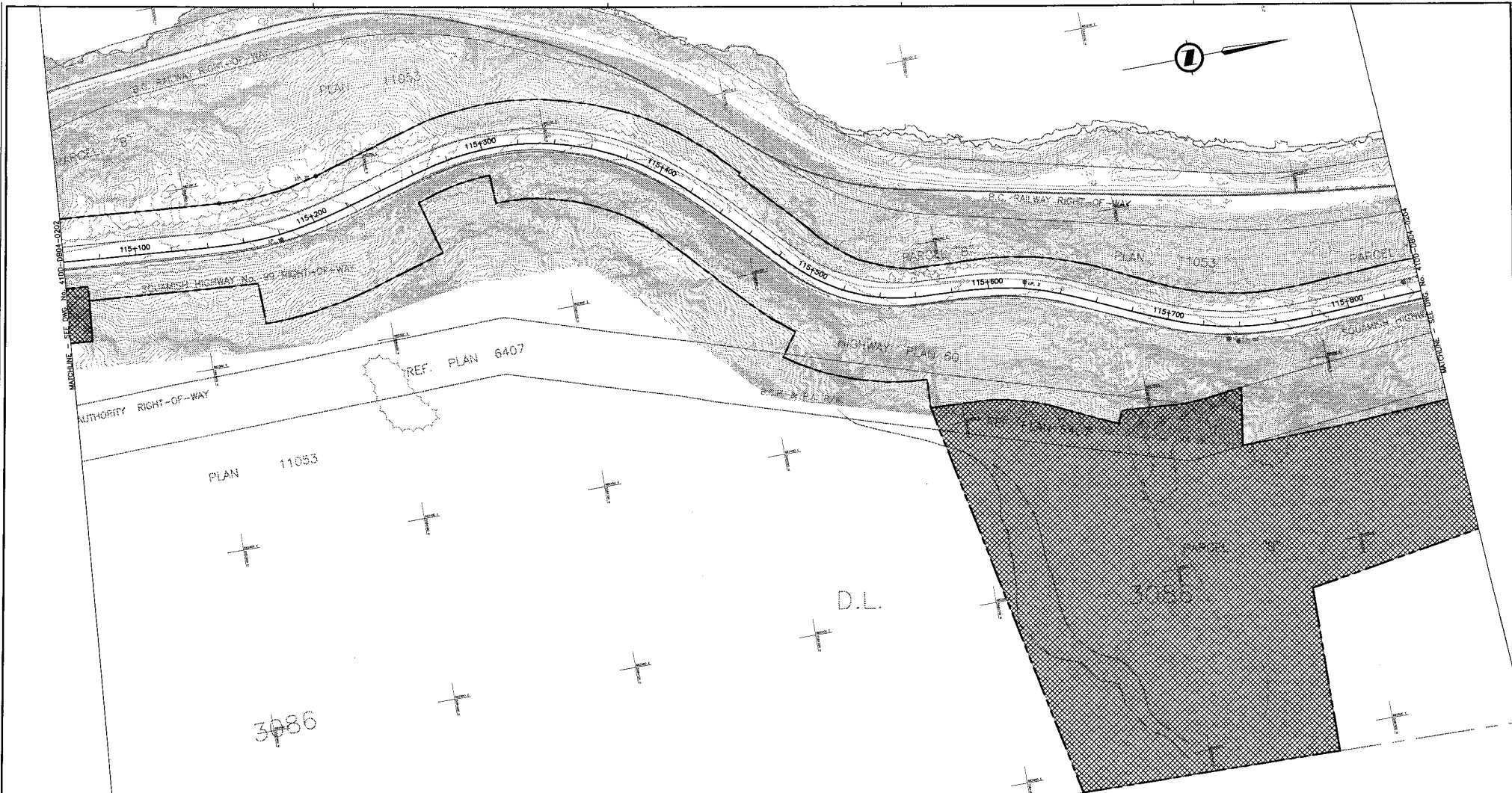


PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-P0-2	START/EC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	RKL
D	04-08-17	ISSUED FOR TENDER	RKL

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA. 114+220.000 TO STA. 115+060.000			
SENIOR DESIGN ENGINEER		DATE	
FILE NO.		PROJECT NO.	
016315-EN10-S		09901-7005	
REV.		DRAWING NO.	
1		41DD-DB04-0202	

016315-EN10-S 09901-7005 41DD-DB04-0202
 016315-EN10-S 09901-7005 41DD-DB04-0202
 016315-EN10-S 09901-7005 41DD-DB04-0202
 016315-EN10-S 09901-7005 41DD-DB04-0202



DATE: 2004/04/21
 TIME: 10:00 AM
 DRAWN BY: S. LAM
 CHECKED BY: S. WOODS
 APPROVED BY: J. BOGARD
 DATE: 2004/04/29

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

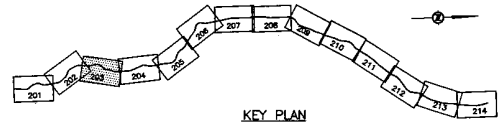
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION
- RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL	DWG. No.	Description
	110-00566-PC-1	STANTEC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

SNC
 5008

DESIGNED BY: J.L.P. DATE: 2004-04-01
 DRAWN BY: S. LAM DATE: 2004-04-02
 CHECKED BY: S. WOODS DATE: 2004-04-21
 APPROVED BY: J. BOGARD DATE: 2004-04-29

Rev.	Date	Description	Signature
FX	04-04-02	ISSUED FOR REQUEST FOR PROPOSAL	REL
Q	04-06-17	ISSUED FOR TENDER	REL

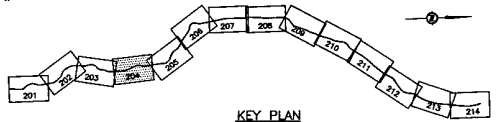
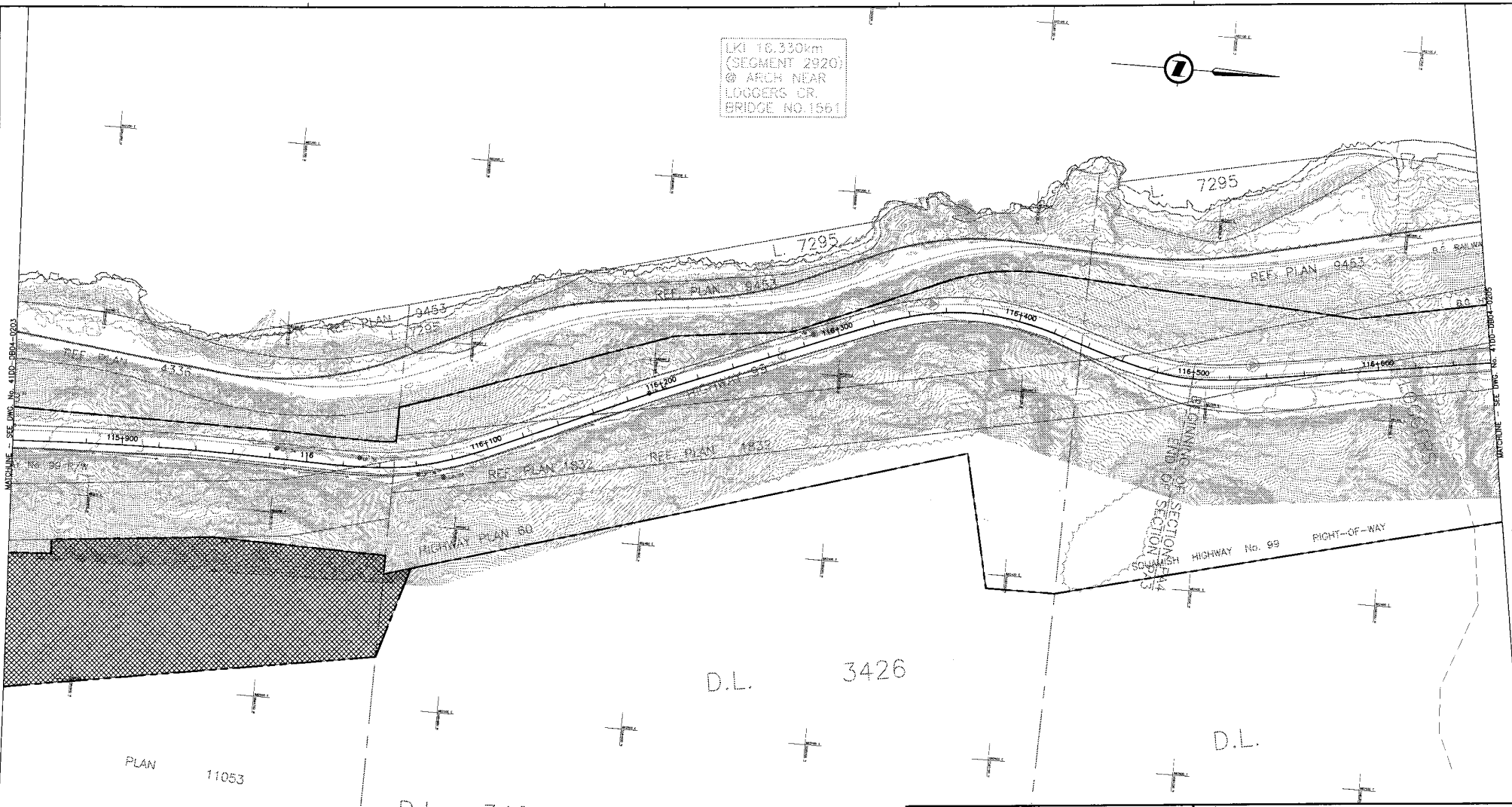
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 115+060.000 TO STA. 115+840.000

SENIOR DESIGN ENGINEER	DATE

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	4100-DB04-0203

LKI 16.330km
(SEGMENT 2920)
@ ARCH NEAR
LOGGERS CR.
BRIDGE NO.1561



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB04-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL, BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

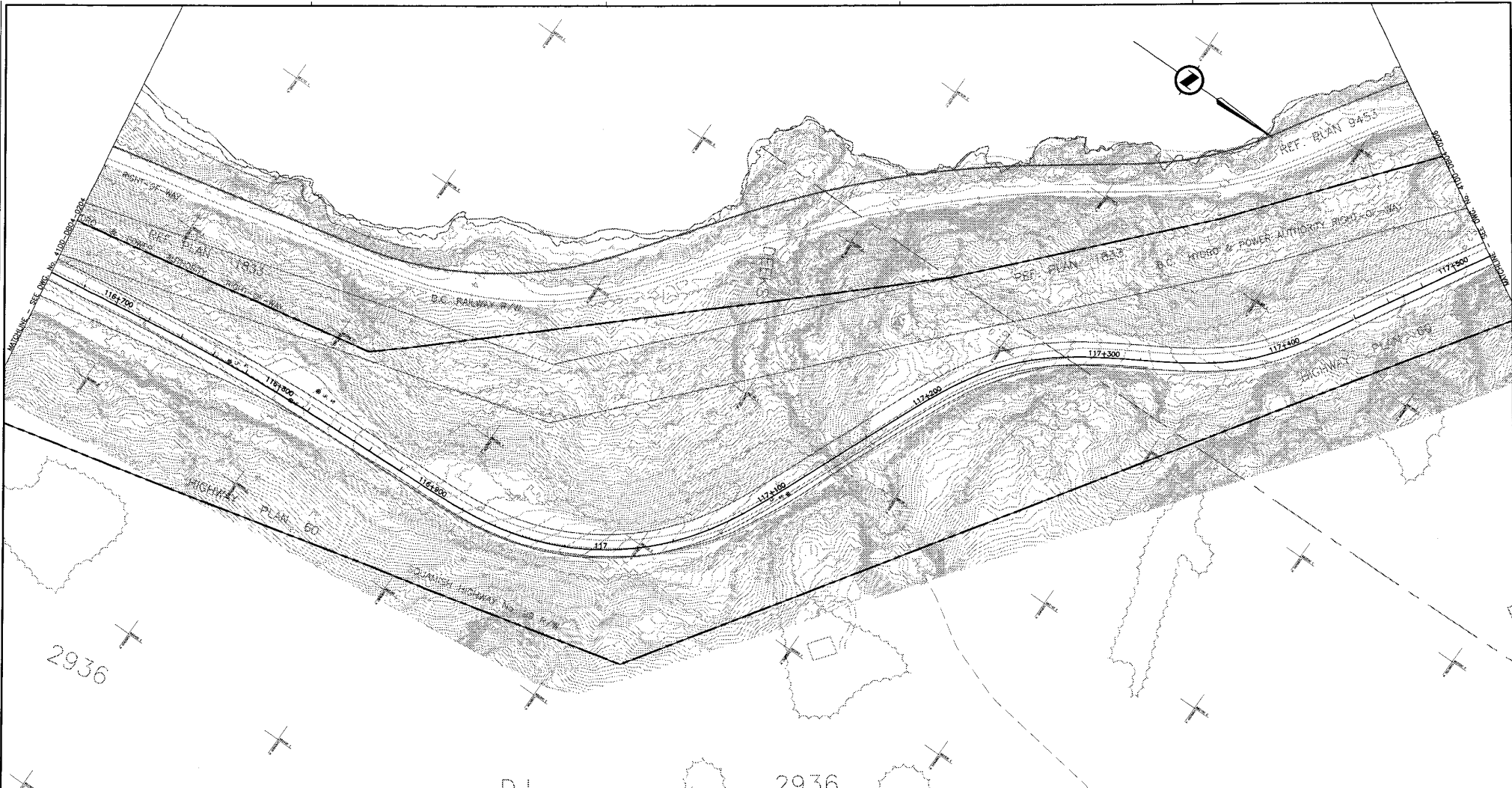
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-P3-1	STATIC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

SNC-LAVALLIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50	DESIGNED BY LEZ	DATE 2004-04-01	
	DRAWN BY LAM	DATE 2004-04-02	
	CHECKED BY J. ROY/SA. MACRODOL	DATE 2004-04-28	
	APPROVED BY J. TOSHA	DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	REL
0	04-08-17	ISSUED FOR TENDER	REL

DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA. 115+840.000 TO STA. 116+660.000			
SENIOR DESIGN ENGINEER	PROJECT No.	REV.	DRAWING No.
	016315-EN10-S	09901-7005 1	41DD-DB04-0204 0

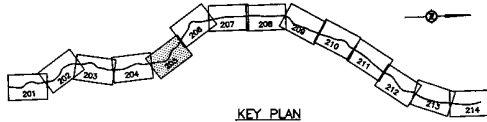
DATE: 2004/04/01 - 6:30pm To: SNC-LAV - CAD/DR - CIVIL/DB - Proj: 016315-EN10-S-116E-004-0204 (DB04) - 1/2004.dwg



2936

D.L.

2936



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

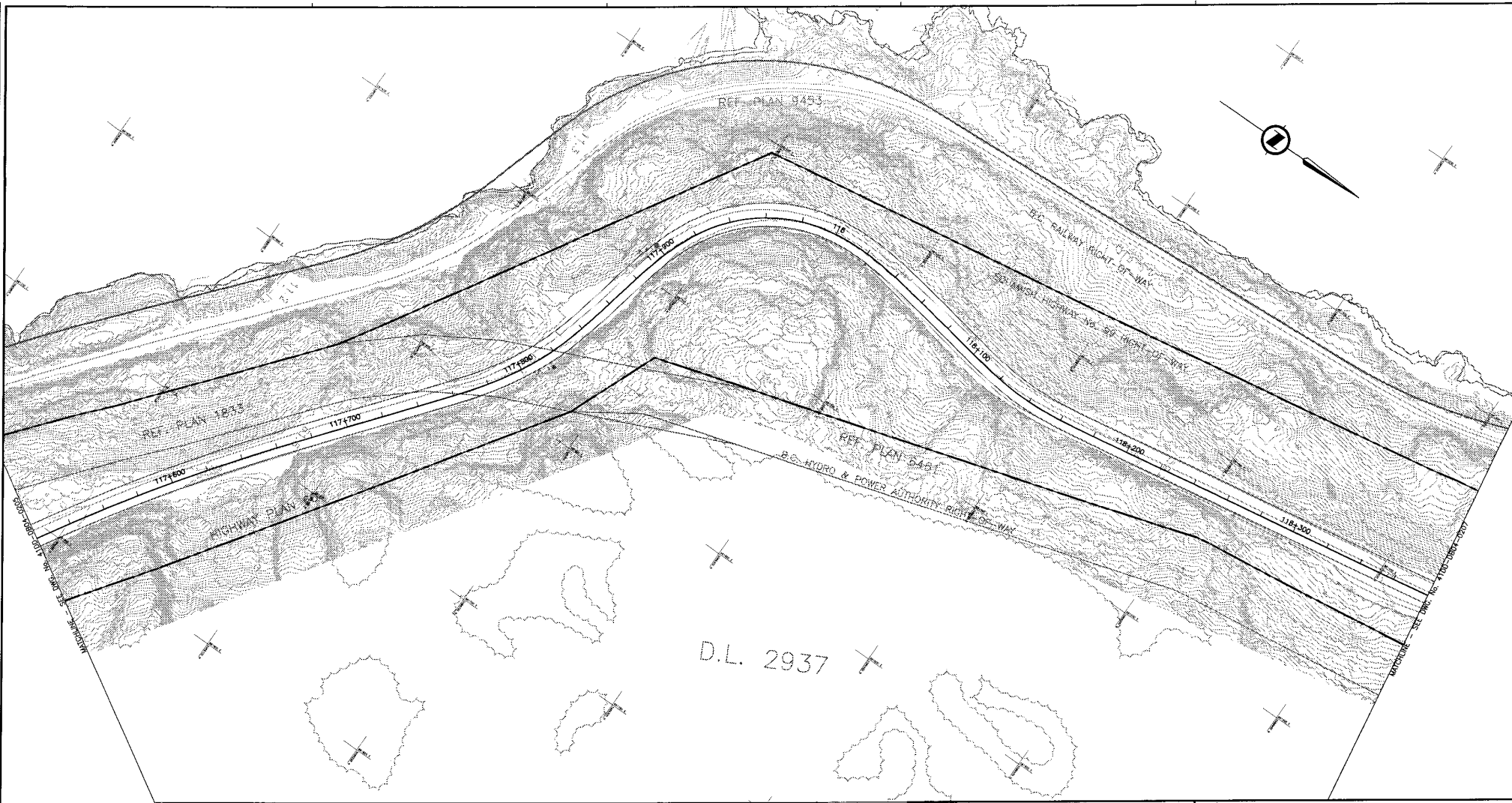
LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	120-80266-P0-1	STATUTE PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 DESIGNED A. IER DATE 2004-04-01 DRAWN S. LAM DATE 2004-04-01 CHECKED A. WIGMORE DATE 2004-04-28 APPROVED J. BEAVER DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	
O	04-08-17	ISSUED FOR TENDER	

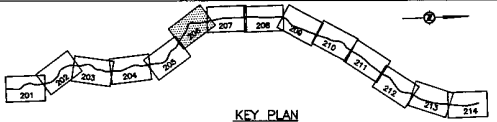
 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA. 116+600.000 TO STA. 117+520.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0205



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	1130-02566-P0-1	STATISTICAL PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	RRL
D	04-08-17	ISSUED FOR TENDER	RRL

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED **S. LEE** DATE 2004-04-21
 DRAWN **S. LAM** DATE 2004-04-28
 CHECKED **S. JENSEN, M. BOHREDA** DATE 2004-04-28
 APPROVED **J. JENSEN** DATE 2004-04-28

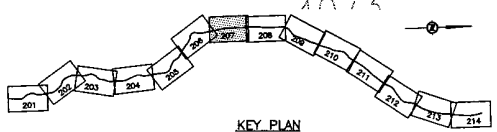
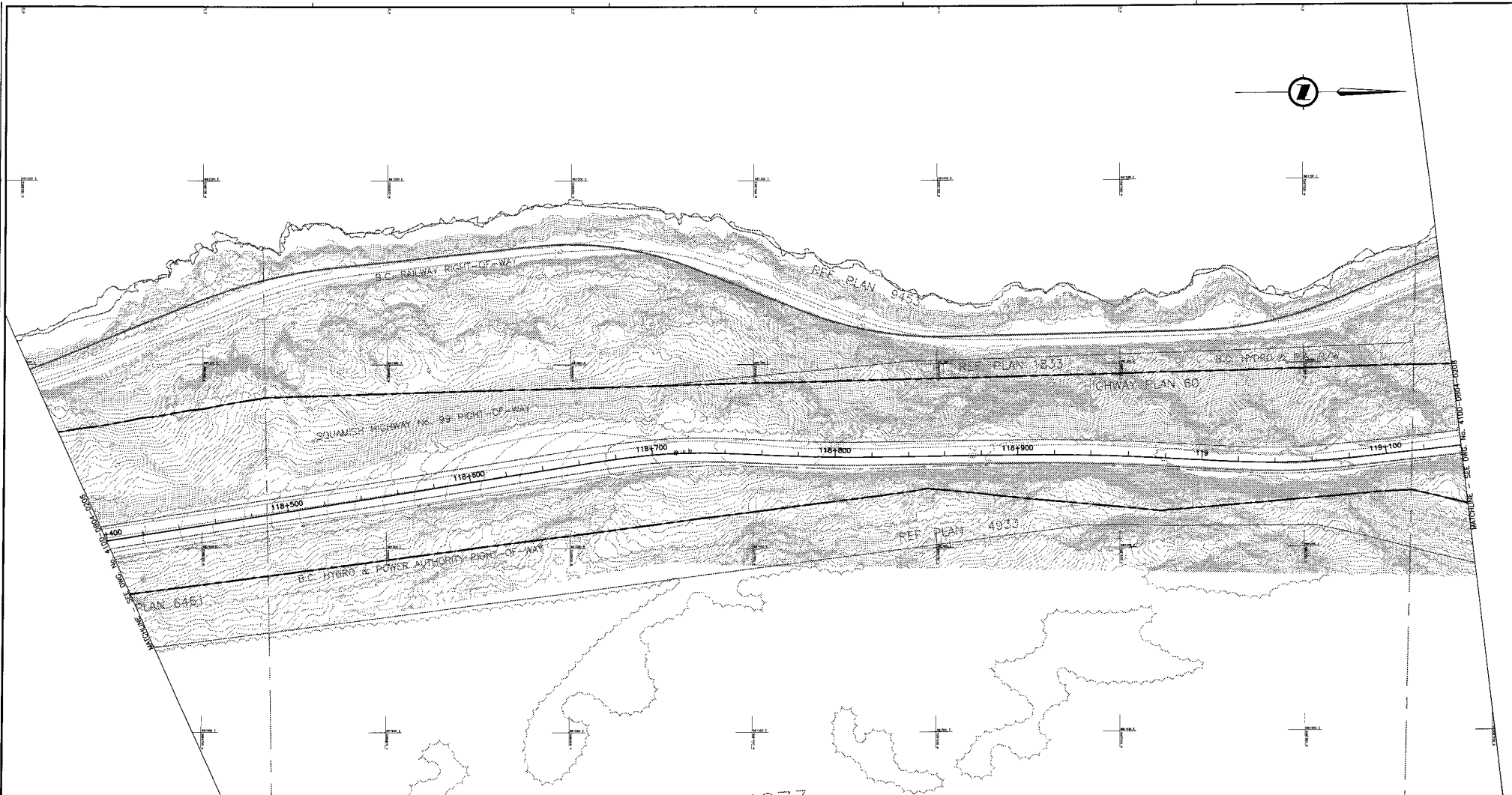
MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 117+520.000 TO STA. 118+380.000

SCALE 0 1:1000 50

FILE No. PROJECT No. REV. DATE DRAWING No.
 016315-EN10-S 09901-7005 1 4100-DB04-0206 0

DATE: 2004/04/28 8:53 AM BY: S. LAM - 1130-02566-P0-1 - 1130-02566-P0-1 - 1130-02566-P0-1 - 1130-02566-P0-1



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

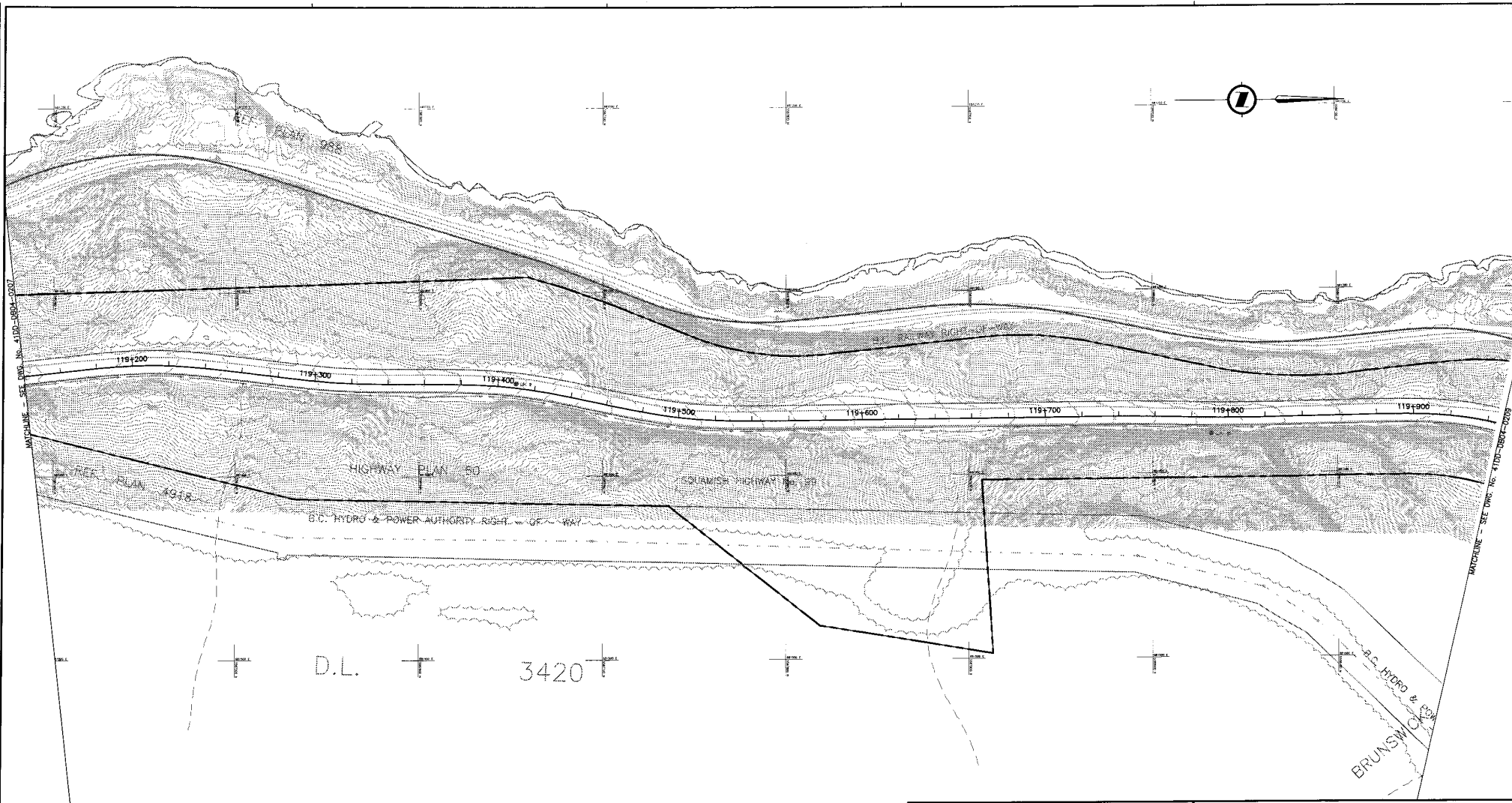
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	120-60066-P0-1	STARTUP PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DESIGNED S. LEE DATE 2004-01-21 DRAWN S. LIM DATE 2004-01-21 CHECKED S. KOSAR/DA. MURPHY DATE 2004-01-21 APPROVED J. KOSAR DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-26	ISSUED FOR REQUEST FOR PROPOSAL	RKL
0	04-08-17	ISSUED FOR TENDER	RKL
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0207 0

DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA. 118+380.000 TO STA. 119+140.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0207 0

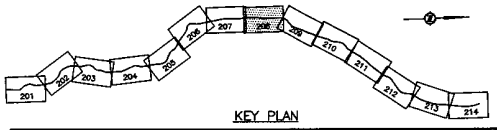
DATE: 2004/08/28 - 8:35pm - S:\STS - DBFO - EN10 - S - 41DD - DB4 - 0207 - 0207.dwg
 DRAWN: S. LIM
 CHECKED: S. KOSAR/DA. MURPHY
 APPROVED: J. KOSAR



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41D0-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	1120-60506-P0-1	STATENIC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

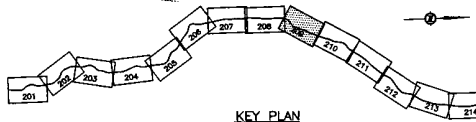
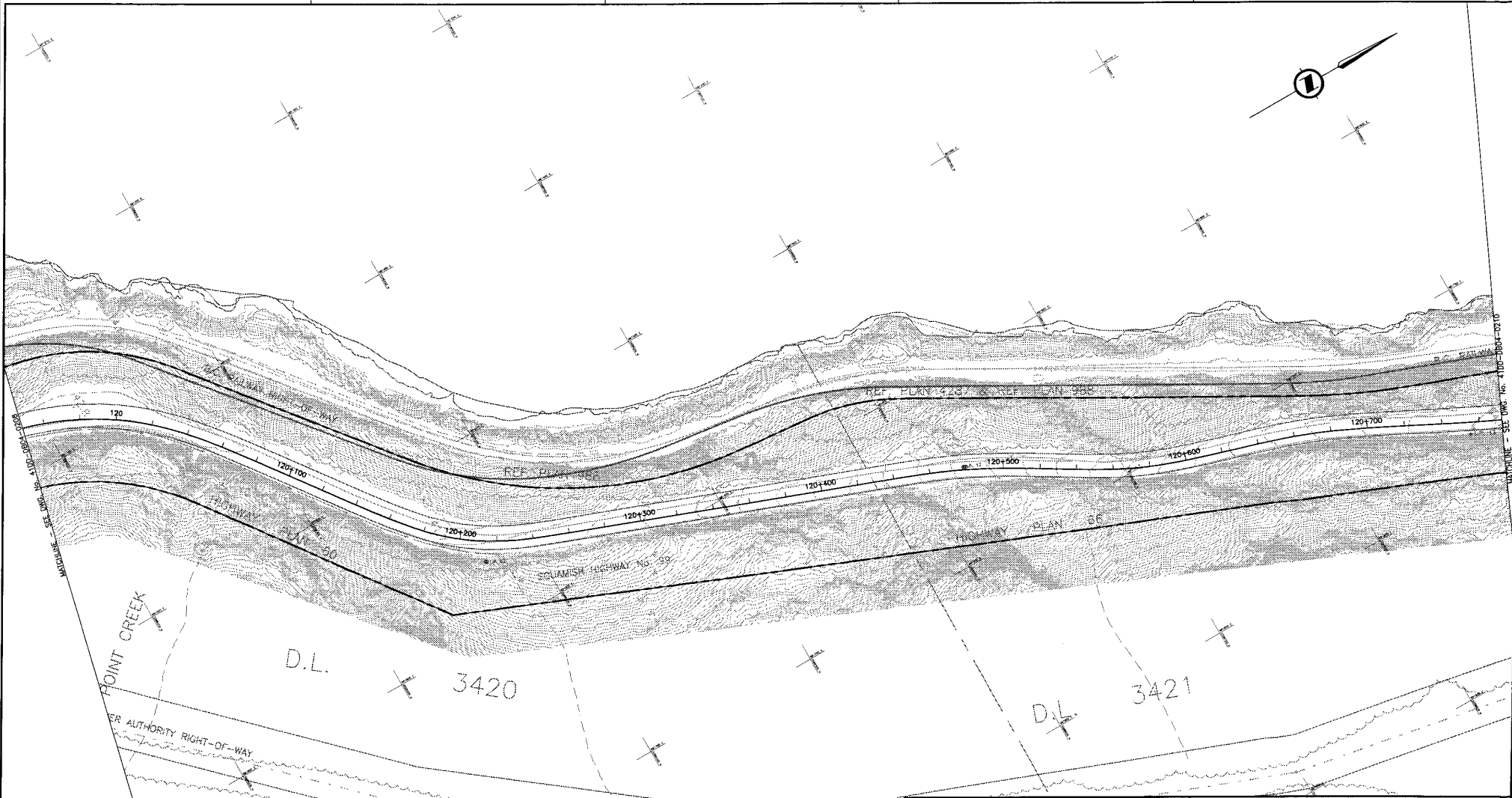
 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 BRITISH COLUMBIA	
SCALE 0 1:1000 50		DESIGNED <u>B. LEE</u> DATE 2004-04-01 DRAWN <u>S. LAM</u> DATE 2004-04-02 CHECKED <u>B. HENNING</u> DATE 2004-04-23 APPROVED <u>J. SUGRA</u> DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	RLC
O	04-08-17	ISSUED FOR TENDER	RLC

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 119+140.000 TO STA. 119+945.000

SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV.	DRAWING NO.
1	41DD-DB04-0208

DATE: 2004/04/28 08:37 AM BY: S. LAM - 1120-60506-P0-1 - 41DD-DB04-0208 - 001/0001/4 - Rev 01



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. NO.	Description
	120-60566-PD-1	STATIC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

REFERENCE DRAWINGS

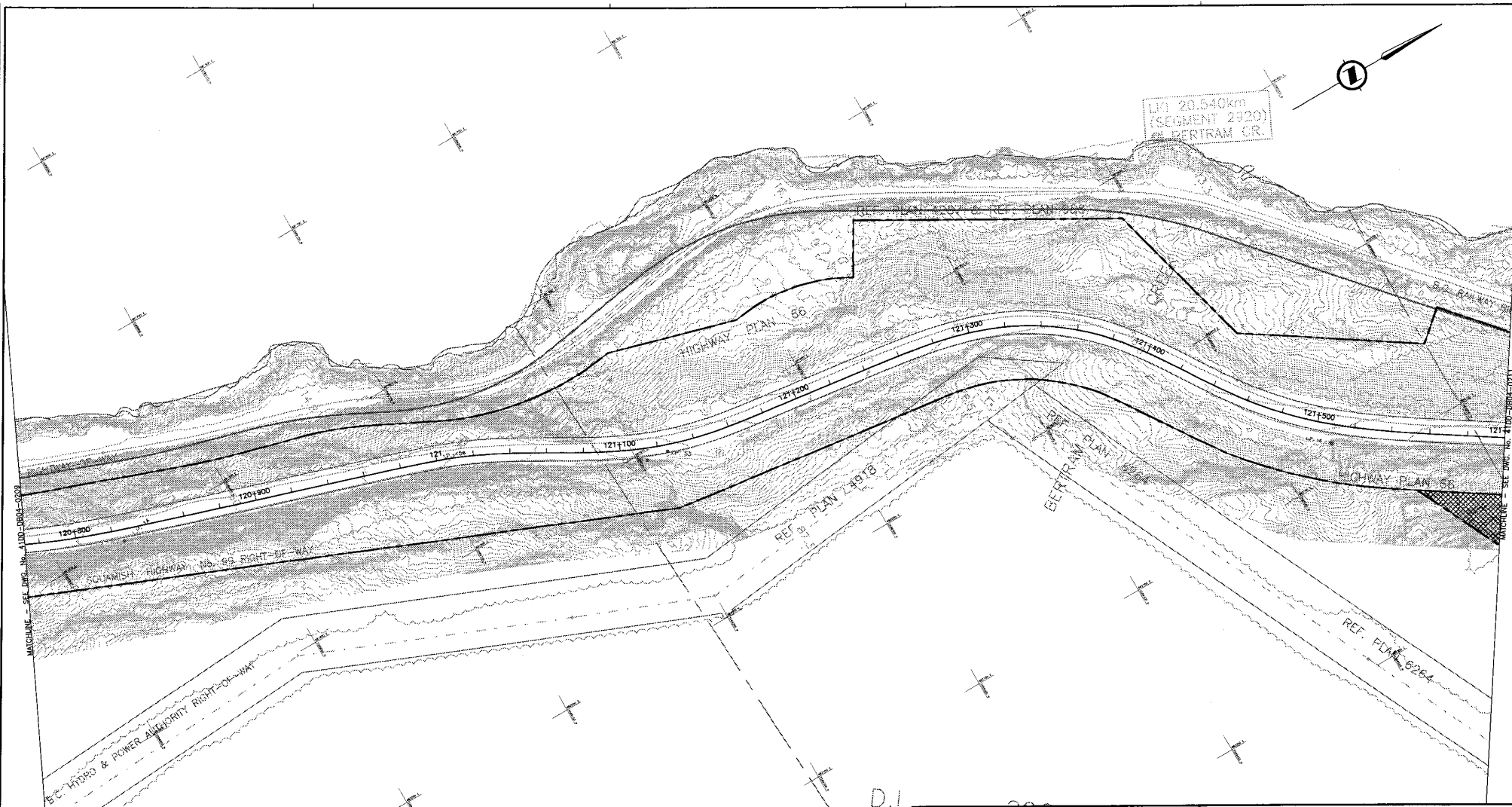
 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 BRITISH COLUMBIA	
SCALE 0 1:1000 50		DESIGNED P. LEE DATE 2004-04-01 DRAWN G. LAM DATE 2004-04-02 CHECKED S. BROWN/S. BARRACLOUGH DATE 2004-04-23 APPROVED T. INGRAM DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	RIL
0	04-08-17	ISSUED FOR TENDER	RIL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 119+945.000 TO STA. 120+765.000

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE NO. PROJECT NO. REV. DRAWING NO.
 016315-EN10-S 09901-7005 1 41DD-DB04-0209 0

DATE: 2004/04/09 - 8:30am
 DRAWN: G. LAM
 CHECKED: S. BROWN/S. BARRACLOUGH
 APPROVED: T. INGRAM



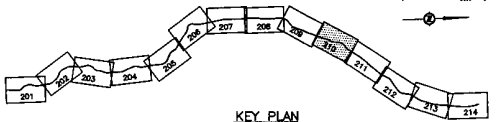
LN 20.540km
(SEGMENT 2920)
OF BERTRAM CR.

SCHEMATIC - SEE DWG. No. 41DD-DB04-0001
SQUAMISH HIGHWAY No. 69 RIGHT-OF-WAY
B.C. HYDRO & POWER ALIENORITY RIGHT-OF-WAY

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-PD-1	STATUTORY PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RIL
D	04-08-17	ISSUED FOR TENDER	RIL

REVISIONS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

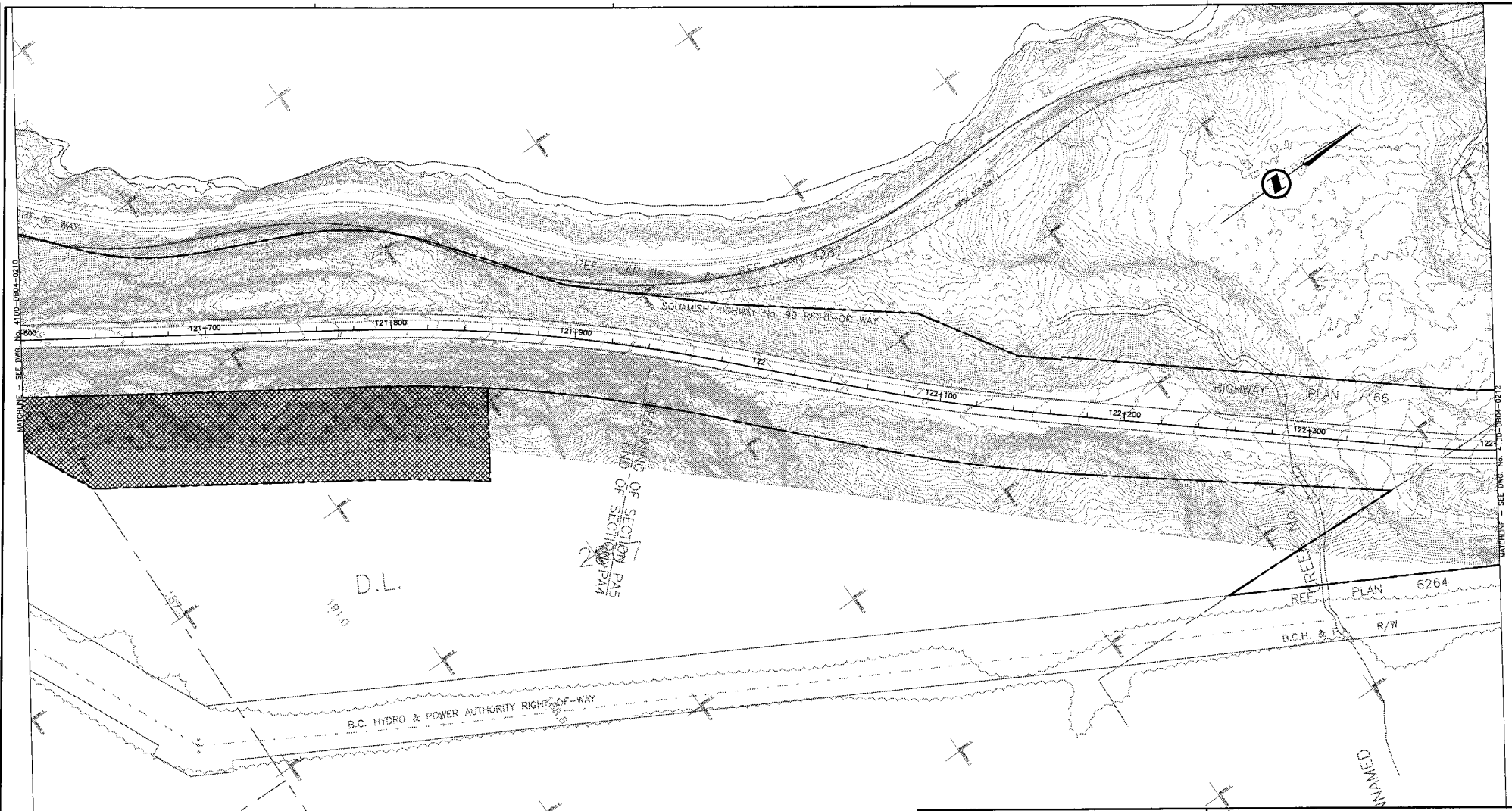
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB4
BRUNSWICK BEACH TO PORTEAU COVE
STA. 120+765.000 TO STA. 121+600.000

SCALE 0 1:1000 50

DESIGNED BY LEE DATE 2004-04-01
DRAWN BY LAM DATE 2004-04-02
CHECKED BY MICHAEL MONTGOMERY DATE 2004-04-23
APPROVED BY J. ISHARA DATE 2004-04-28

SENIOR DESIGN ENGINEER DATE
FILE NO. PROJECT NO. RES. DRAWING NO.
016315-EN10-S 09901-7005 1 41DD-DB04-0210 O

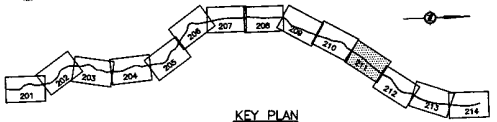
DATE: 2004/04/28 08:41 AM BY: J. ISHARA (SNC-LAVALIN) DWG. No. 41DD-DB04-0001 (REV. 01) (SNC-LAVALIN) PROJECT: DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB4 BRUNSWICK BEACH TO PORTEAU COVE STA. 120+765.000 TO STA. 121+600.000



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-P0-1	STATEC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6C 3C9

DESIGNED BY: J.L.P. DATE: 2004-04-21
 DRAWN BY: S.L.M. DATE: 2004-04-29
 CHECKED BY: J.P./S.D. DATE: 2004-04-29
 APPROVED BY: J.S. DATE: 2004-04-29

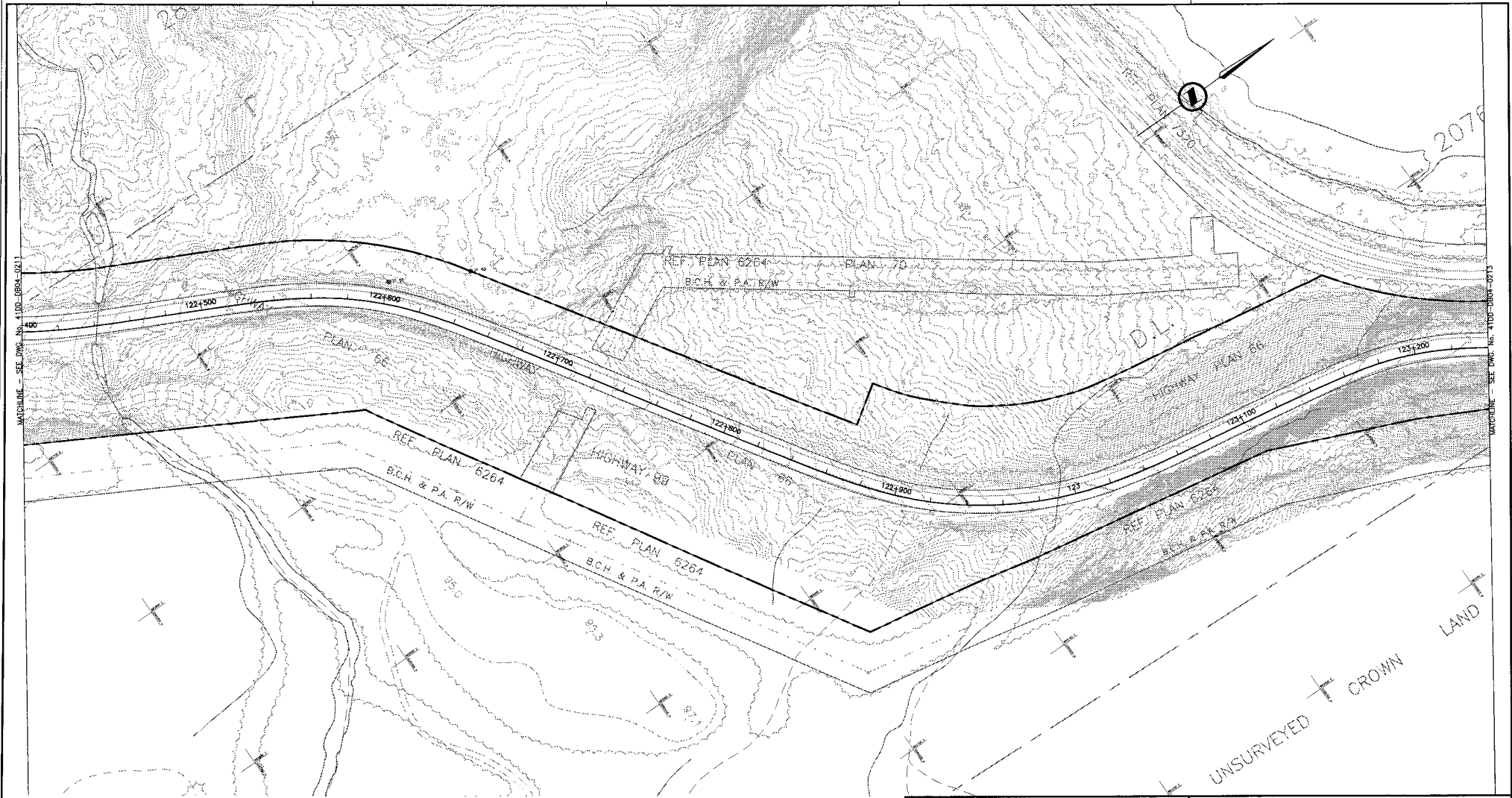
Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	
0	04-08-17	ISSUED FOR TENDER	

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 121+600.000 TO STA. 122+400.000

SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB04-0211

DATE: 2004/04/29 08:44 AM
 DRAWING: 41DD-DB04-0211
 PROJECT: SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT - DBFO - HORSESHOE BAY TO WHISTLER
 DRAWING: 41DD-DB04-0211



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

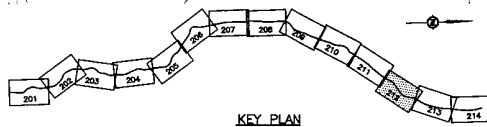
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	1120-6958-PC-1	STAT/EC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

REV.	DATE	DESCRIPTION	SIGNATURE
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL
D	04-08-17	ISSUED FOR TENDER	RL

SNC-LAVALIN
1800 - 1075 West George Street
Vancouver, B.C.
Canada V6E 3C9

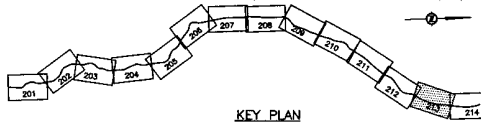
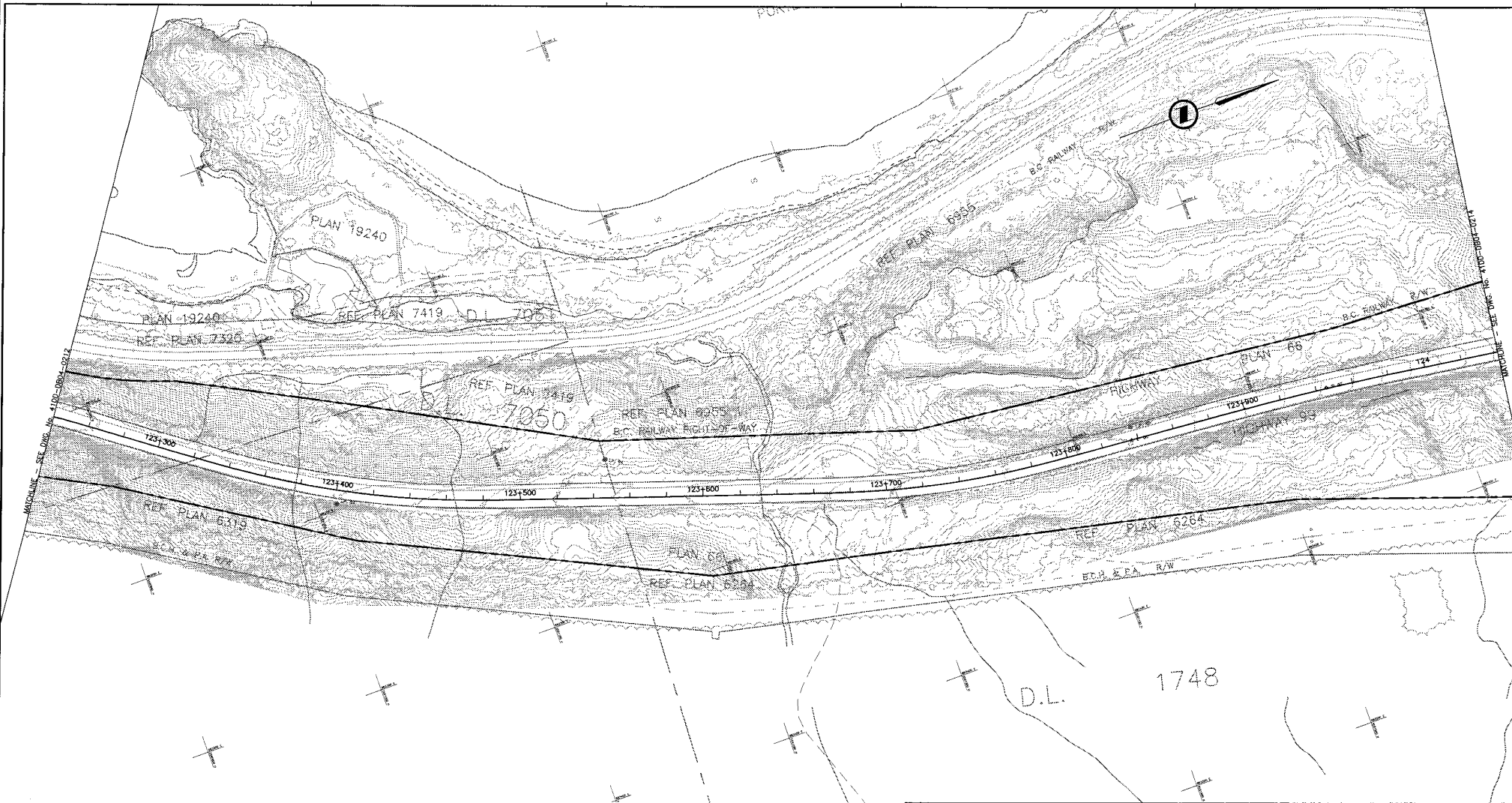
DESIGNED BY: J.E. DATE 2004-04-01
DRAWN BY: G.L.M. DATE 2004-04-02
CHECKED BY: S.W.H./S.H. DATE 2004-04-24
APPROVED BY: J.S.M. DATE 2004-04-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB4
BRUNSWICK BEACH TO PORTEAU COVE
STA. 122+400.000 TO STA. 123+240.000

SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV. 1	DATE 41DD-DB04-0212

DATE: 2004/04/28
 DRAWN BY: G.L.M.
 CHECKED BY: S.W.H./S.H.
 APPROVED BY: J.S.M.
 PROJECT NO.: 09901-7005
 DRAWING NO.: 41DD-DB04-0212



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	1120-60566-PD-1	STANTEC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RKL
0	04-08-17	ISSUED FOR TENDER	RKL

REVISIONS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED BY: J.E.Z. DATE: 2004-01-01
 DRAWN BY: G.L.M. DATE: 2004-01-02
 CHECKED BY: S.W.S./S. MATHIAS DATE: 2004-01-23
 APPROVED BY: T. TOLSON DATE: 2004-04-28

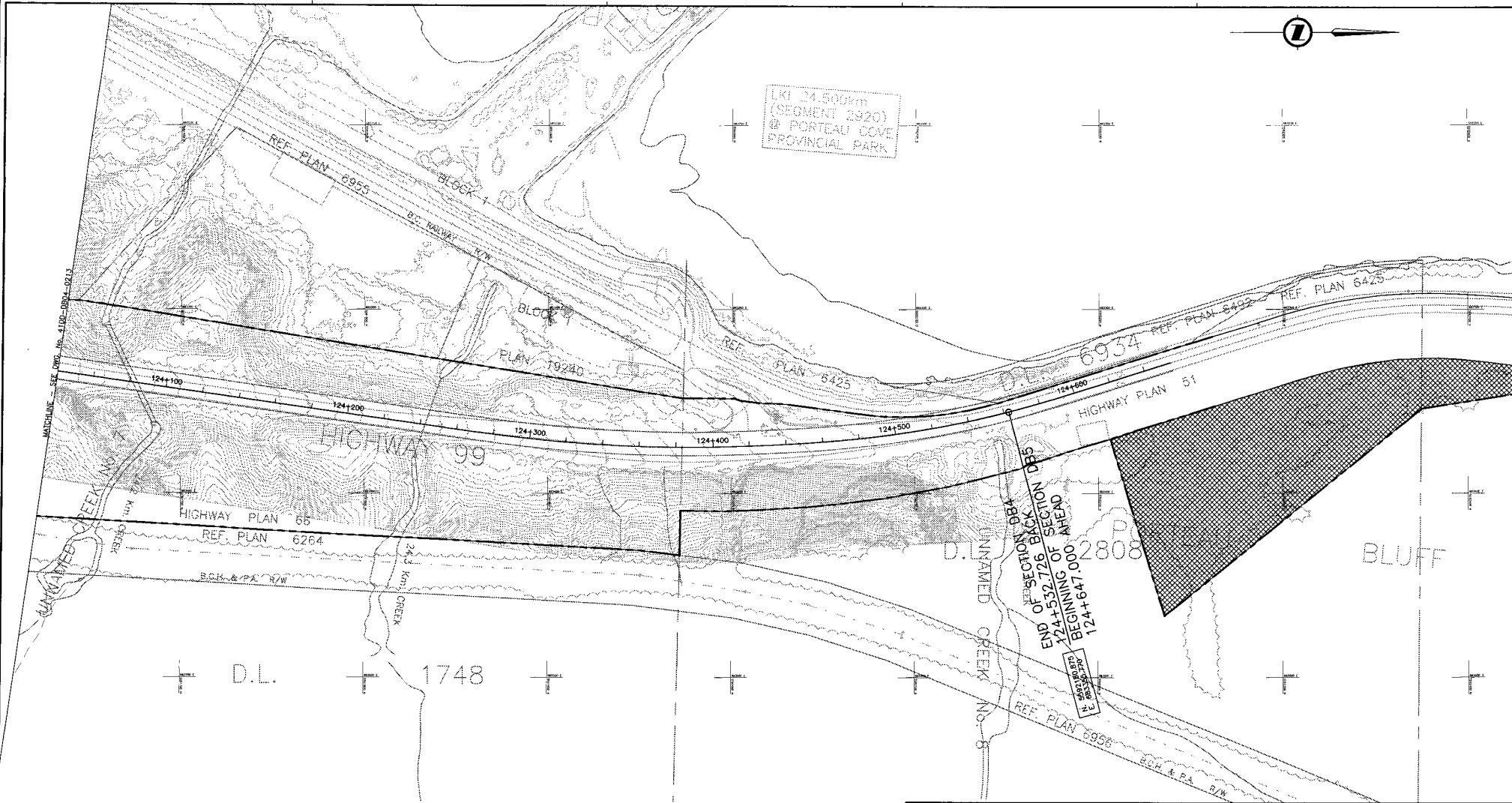
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB4
 BRUNSWICK BEACH TO PORTEAU COVE
 STA. 123+240.000 TO STA. 124+040.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB04-0213 0

DRAWN BY: G.L.M. DATE: 2004-01-02
 CHECKED BY: S.W.S./S. MATHIAS DATE: 2004-01-23
 APPROVED BY: T. TOLSON DATE: 2004-04-28
 PROJECT: 09901-7005
 DRAWING: 41DD-DB04-0213



LRI 24.500m
(SEGMENT 2920)
OF PORTEAU COVE
PROVINCIAL PARK

END OF SECTION DB4
124+532.726 BLOCK DB5
BEGINNING OF SECTION DB5
124+647.000 AHEAD

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL	DWG. No.	Description
	4120-60566-PD-1	STANTEC PRELIMINARY ALIGNMENT - FUNCTIONAL DESIGN

SCALE 0 1:1000 50		DESIGNED R. LEE DATE 2004-04-01 DRAWN G. LAM DATE 2004-04-02 CHECKED S. WONG/S. MATHIAS DATE 2004-04-23 APPROVED J. ISSERA DATE 2005-04-28	
Rev	Date	Description	Signature
FX	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	RL
0	04-08-17	ISSUED FOR TENDER	RL

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB4
BRUNSWICK BEACH TO PORTEAU COVE
STA. 124+040.000 TO STA. 124+532.726

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 REG. 1 DRAWING No. 41DD-DB04-0214 | 0

DATE: 2005-04-28 10:58 AM
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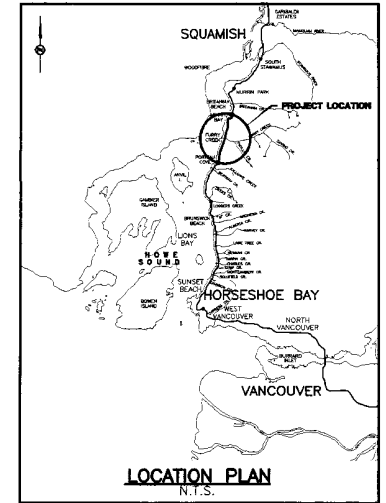


BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

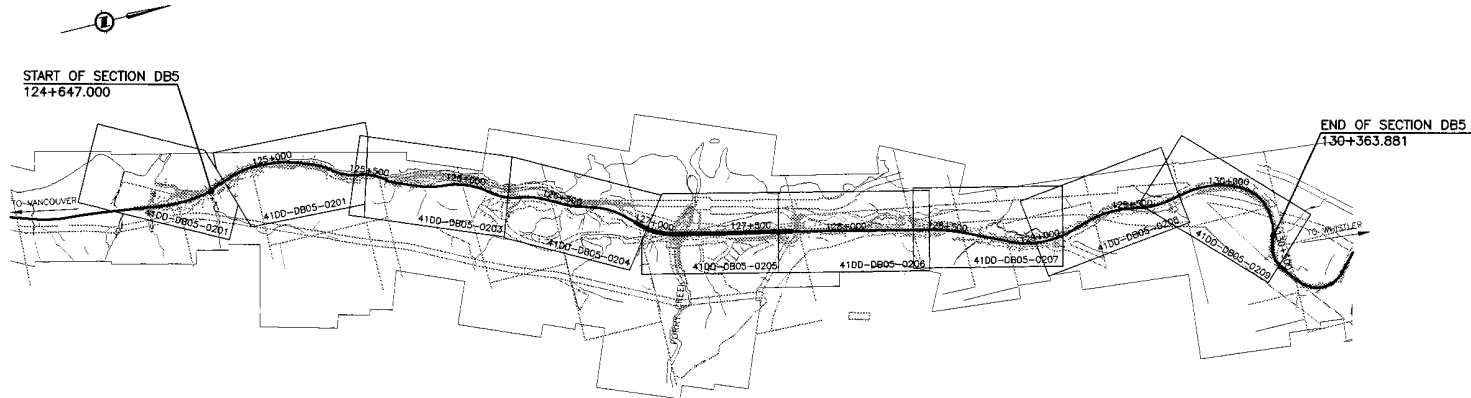
PROJECT No. 09901

Section DB5 Porteau Cove to Minaty Bay



DRAWING INDEX

41DD-DB05-0000	1	COVER SHEET		
41DD-DB05-0001	0	PLAN, PROFILE, LAINING SCHEMATIC		
41DD-DB05-0201	1	RIGHT-OF-WAY PLAN	STA 124+647.000 TO STA 124+730.000	
41DD-DB05-0202	1	RIGHT-OF-WAY PLAN	STA 124+730.000 TO STA 125+485.000	
41DD-DB05-0203	1	RIGHT-OF-WAY PLAN	STA 125+485.000 TO STA 126+230.000	
41DD-DB05-0204	1	RIGHT-OF-WAY PLAN	STA 126+230.000 TO STA 126+970.000	
41DD-DB05-0205	0	RIGHT-OF-WAY PLAN	STA 126+970.000 TO STA 127+650.000	
41DD-DB05-0206	0	RIGHT-OF-WAY PLAN	STA 127+650.000 TO STA 128+379.000	
41DD-DB05-0207	0	RIGHT-OF-WAY PLAN	STA 128+379.000 TO STA 129+077.000	
41DD-DB05-0208	0	RIGHT-OF-WAY PLAN	STA 129+077.000 TO STA 129+738.000	
41DD-DB05-0209	0	RIGHT-OF-WAY PLAN	STA 129+738.000 TO STA 130+363.881	



KEY PLAN
0 1:12,500 500

<p>SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3G9</p>		<p>MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT</p>	
<p>DESIGNED: J. WOODMANN DATE: 2001-02-23 DRAWN: M. KROSKY, S. LAM DATE: 2004-02-23 CHECKED: S. WOODCOCK DATE: 2004-04-23 APPROVED: J. TASHKA DATE: 2004-04-23</p>		<p>DBFO - HORSESHOE BAY TO WHISTLER COVER SHEET SECTION DB5 PORTEAU COVE TO MINATY BAY STA 124+647.000 TO STA 130+363.881</p>	
<p>SCALE: AS NOTED</p>		<p>SENIOR DESIGN ENGINEER: _____ DATE: _____</p>	
FILE No.	PROJECT No.	REQ.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB05-0000

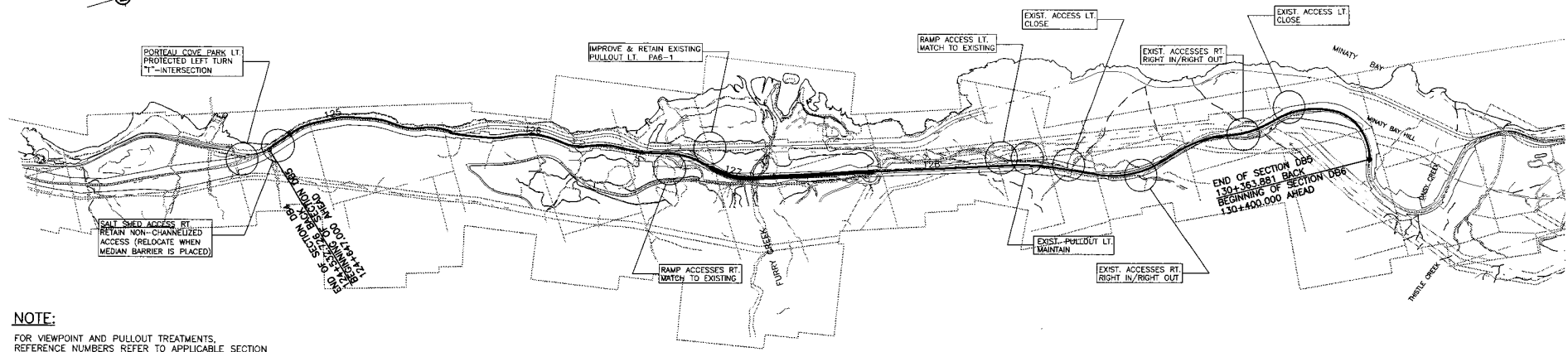
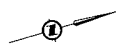
PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	GENERAL REVISION	ARW

REFERENCE DRAWINGS

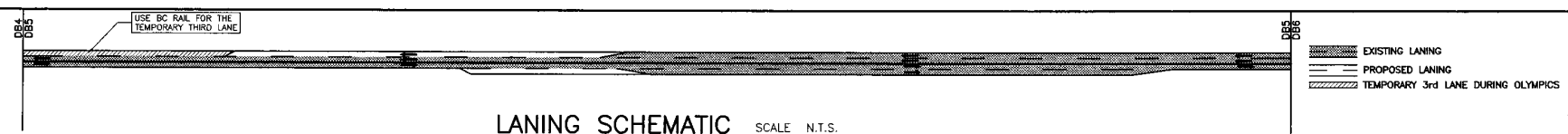
REVISIONS

DATE: 2004/07/29 - 1:52 PM
DRAWN BY: M. KROSKY, S. LAM
CHECKED BY: S. WOODCOCK
APPROVED BY: J. TASHKA

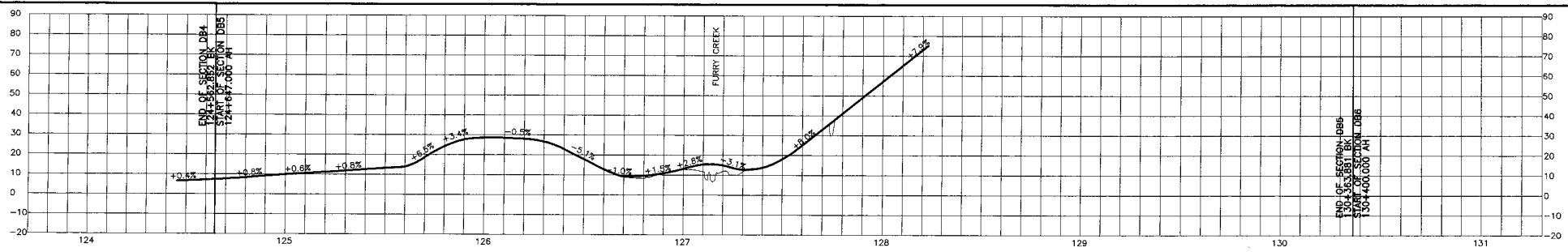


NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ 1:10,000 500 0 VERT 1:1000 50

DATE: 2004-09-10 10:45:24
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 USER: JLM
 PLOT: 2004-09-10 10:45:24

PROFESSIONAL SEAL	DWG. No.	Description
	4100-P025-0116	DELCON - PRELIMINARY DESIGN - PLAN

SNC-LAWALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9			
DESIGNED M. LICHTENSTEINER		DATE 2004-02-25	
DRAWN M. BRICK/C. LAM		DATE 2004-02-25	
CHECKED S. WILSON/S. MUMFORD		DATE 2004-02-25	
APPROVED J. TOSCANI		DATE 2004-02-25	
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	MAL
FB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	MAL
0	04-08-17	ISSUED FOR TENDER	MAL

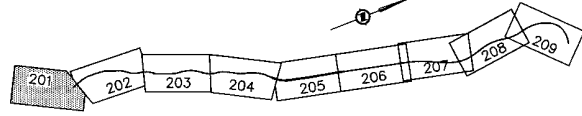
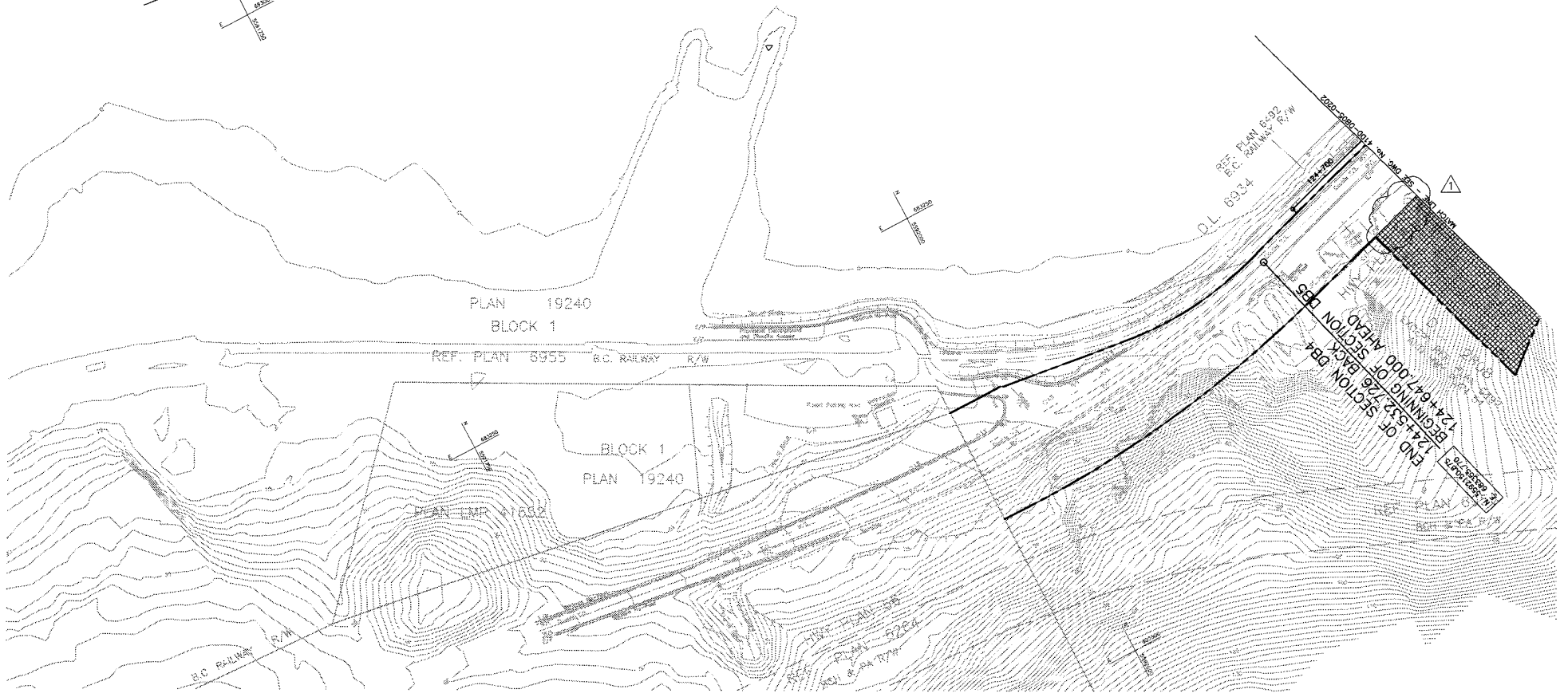
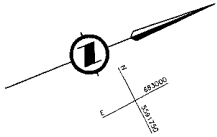
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 124+647.000 TO STA 130+363.881

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB05-0001

REFERENCE DRAWINGS

REVISIONS

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE No.: 016315-EN10-S PROJECT No.: 09901-7005 REV.: 1 DRAWING No.: 41DD-DB05-0001 0



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION
- RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB05-0116	DELCAN - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 2G9

DESIGNED: J. LICHTENHEIDER DATE: 2004-02-25
 DRAWN: M. SWICK DATE: 2004-03-28
 CHECKED: R. WONG/G. MURPHY DATE: 2004-04-23
 APPROVED: T. TOSARA DATE: 2004-04-29

SCALE 0 1:1000 50

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	HAL
D	04-06-17	ISSUED FOR TENDER	HAL
I	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	HAL

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB5
PORTEAU COVE TO MINATY BAY
STA 124+647.000 TO STA 124+730.000

FILE No.	PROJECT No.	REC	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB05-0201 1

SENIOR DESIGN ENGINEER

DATE: 2004-04-29 11:51 AM FILE: C:\WORK\4100\4100-DB05-0201\4100-DB05-0201\4100-DB05-0201.dwg

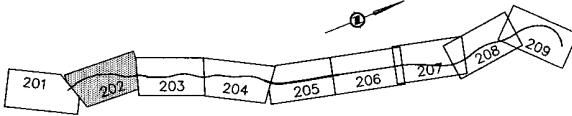


DRAWN BY: M. STONE, CHECKED BY: J. WILSON, DATE: 2004-03-28
 DESIGNED BY: M. LICHTENSTEINER, DATE: 2004-02-25
 PROJECT NO.: 09901-7005, DRAWING NO.: 41DD-DB05-0202

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION
	RIGHT-OF-WAY ACQUISITION (SLOPE STABILIZATION)



PROFESSIONAL SEAL

DWG. No.	Description
41DD-DB05-0116	DELCON - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C9

DESIGNED: M. LICHTENSTEINER DATE: 2004-02-25
 DRAWN: M. STONE DATE: 2004-03-28
 CHECKED: J. WILSON/J. MacNEIL DATE: 2004-03-22
 APPROVED: I. JASANYI DATE: 2004-03-22

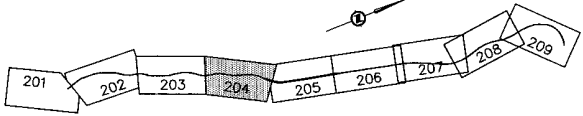
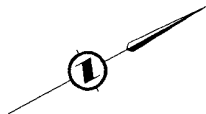
REVISIONS

Rev	Date	Description	Signature
PK	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	MAL
0	04-08-07	ISSUED FOR TENDER	MAL
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	MAL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 124+730.000 TO STA 125+485.000

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 REVISION: 1 DRAWING NO.: 41DD-DB05-0202 1



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P005-0102	DELGAN - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED: M. LICHTENSTIKER DATE: 2004-02-25
DRAWN: M. PERK DATE: 2004-03-26
CHECKED: B. BISHOP, J. HANSEN DATE: 2004-04-23
APPROVED: J. BISHOP DATE: 2004-04-29

SCALE 0 1:1000 50

Rev.	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ML
D	04-08-17	ISSUED FOR TENDER	ML
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ML

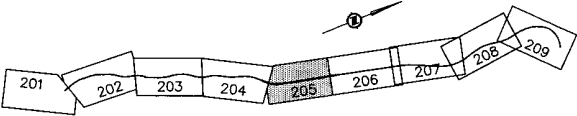
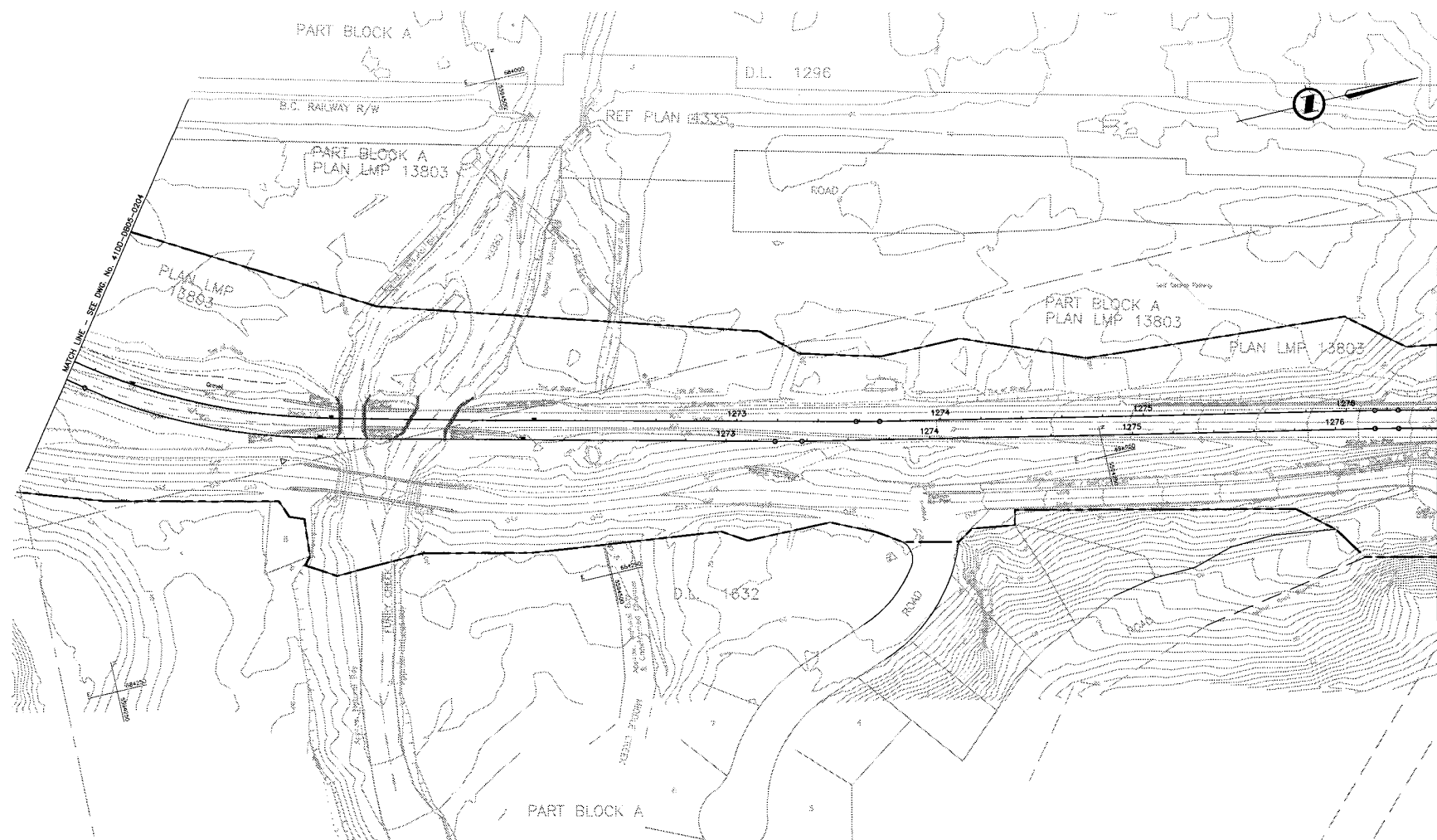
REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB5
PORTEAU COVE TO MINATY BAY
STA 126+230.000 TO STA 126+970.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB05-0204 1

PLOT: 016315-EN10-S-0204.dwg by: jay/41 - Date: 05-08-04 - Rev: 1
 PLOT: 016315-EN10-S-0204.dwg by: jay/41 - Date: 05-08-04 - Rev: 1
 PLOT: 016315-EN10-S-0204.dwg by: jay/41 - Date: 05-08-04 - Rev: 1



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB05-0205.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

Symbol	Description
--- (dashed line)	PROPOSED RIGHT-OF-WAY
— (solid line)	EXISTING RIGHT-OF-WAY
▨ (hatched)	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL		DESCR.	DATE
DWG. NO.	41DD-P003-0103	DELON - PRELIMINARY DESIGN - PLAN	2004-02-25
DATE			
ISSUED FOR REQUEST FOR PROPOSAL			
ISSUED FOR TENDER			

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED **M. LICHTENSTEDER** DATE 2004-02-25
 DRAWN **M. RYCK** DATE 2004-02-26
 CHECKED **P. BERG/PA. HONTRIOUX** DATE 2004-04-22
 APPROVED **J. TANKER** DATE 2004-04-23

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	MAL
O	04-08-17	ISSUED FOR TENDER	MAL

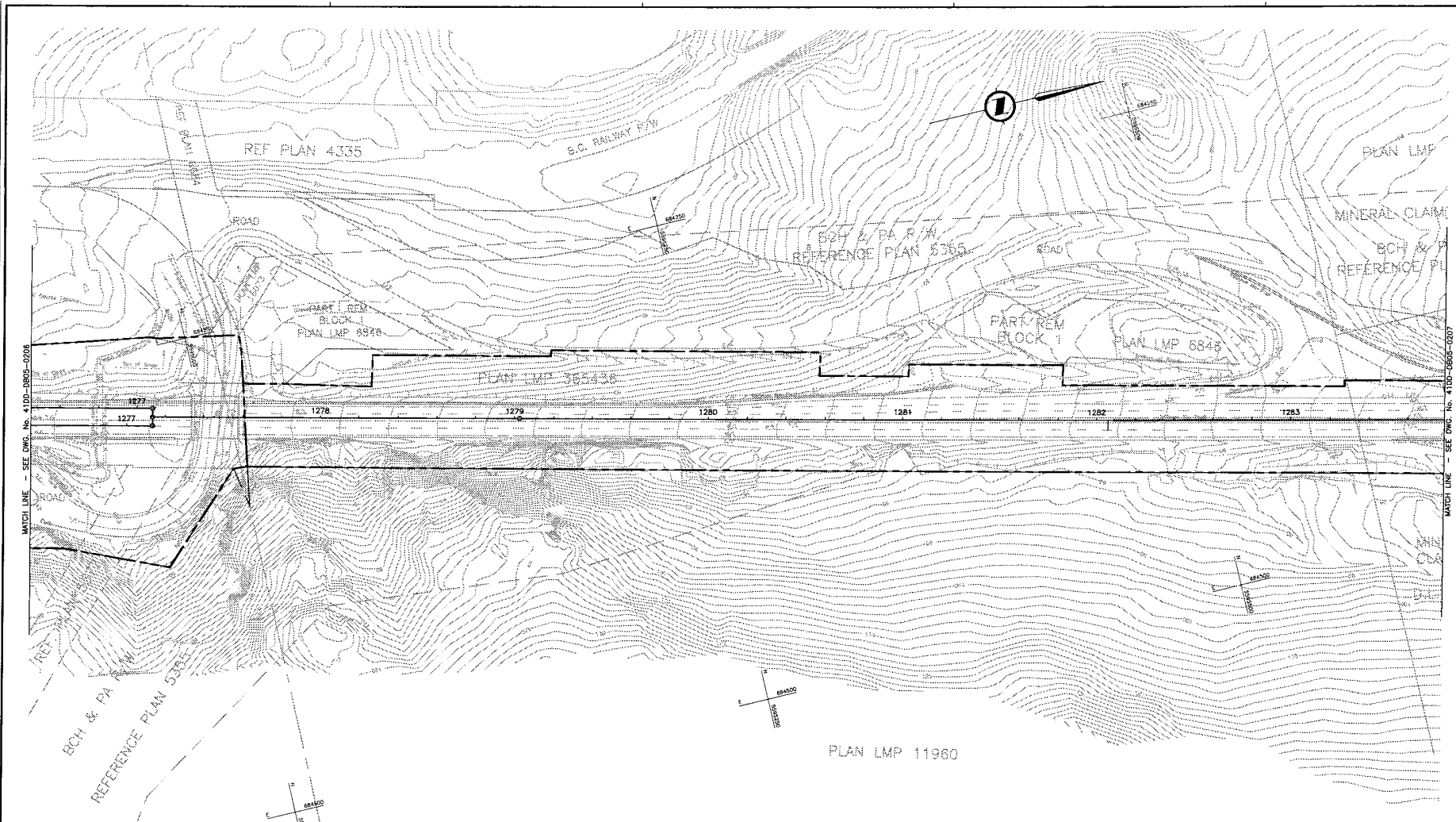
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 126+970.000 TO STA 127+650.000

SIGNOR DESIGN ENGINEER: _____ DATE: _____

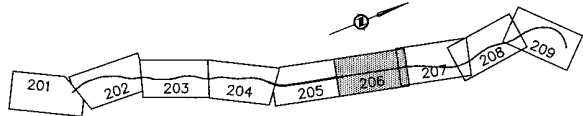
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SCALE 2004/08/09 11:48:30am - File: 41DD-DB05-0205 - Part 1 of 2 - 41DD-DB05-0205-1100-0205.rvt
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 FILE: 2004/08/09 11:48:30am - File: 41DD-DB05-0205 - Part 1 of 2 - 41DD-DB05-0205-1100-0205.rvt



MATCH LINE - SEE DWG. No. 41DD-DB05-0200

MATCH LINE - SEE DWG. No. 41DD-DB05-0207



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-1005-0104	DEIGN - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C8

DESIGNED **M. LICHTENSTORFER** DATE 2004-08-28
DRAWN **M. RYCK** DATE 2004-03-28
CHECKED **S. BONG/G. MONTGOMERY** DATE 2004-04-28
APPROVED **J. DUBOIS** DATE 2004-08-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB5
PORTEAU COVE TO MINATY BAY
STA 127+650.000 TO STA 128+379.000

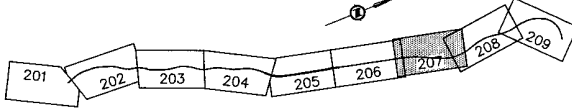
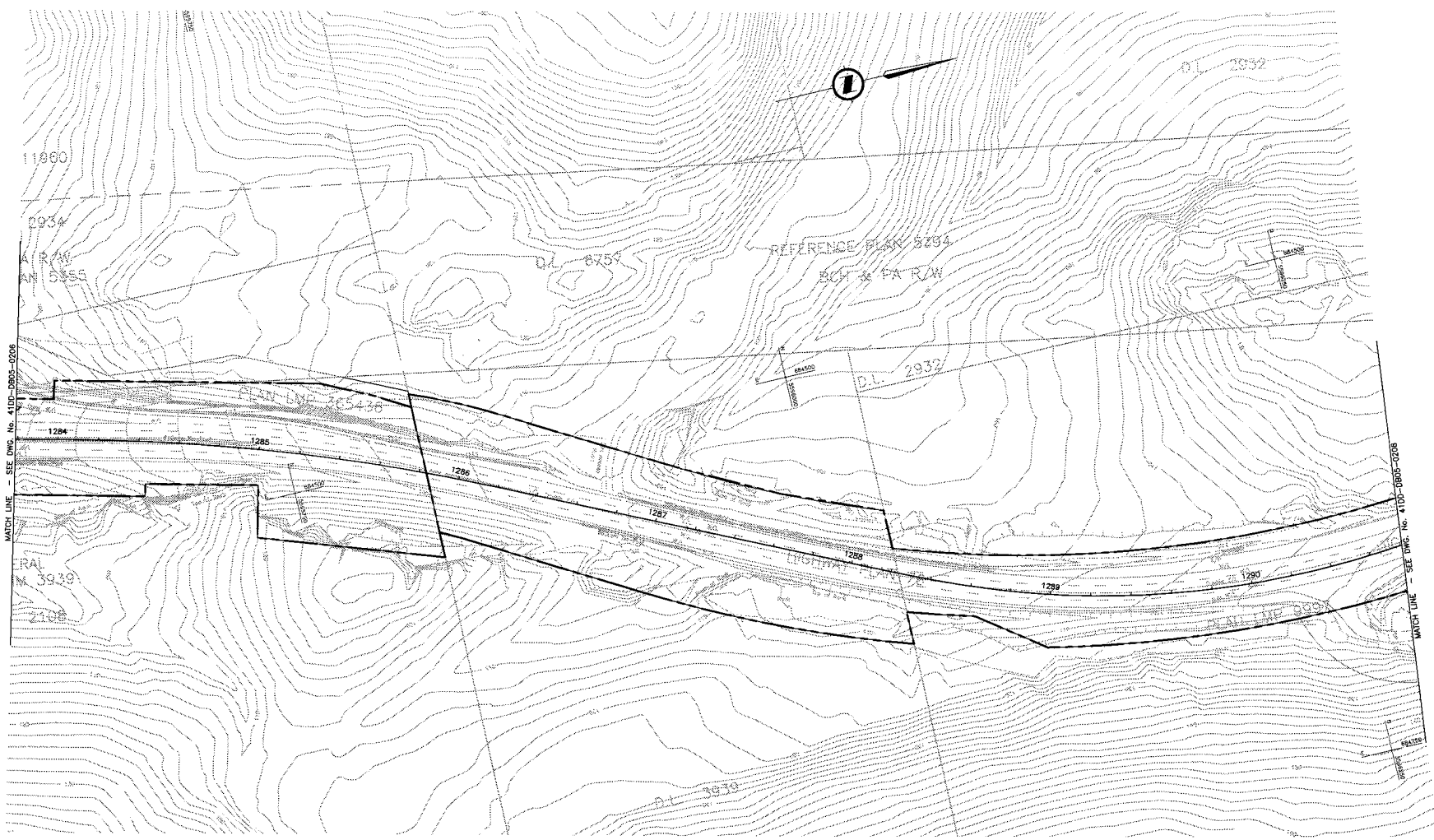
Rev	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	ML
D	04-08-17	ISSUED FOR TENDER	ML

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB05-0206 0

REFERENCE DRAWINGS

REVISIONS

DATE: 2004/08/28 8:54am To: S:\41 - C:\DDB - Day\08 - Day\08 - Drawings\41DB05-0206-1-41DD-DB05-0206-0001\0001.dwg



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 410D-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	410D-DB05-0104	DESIGN - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

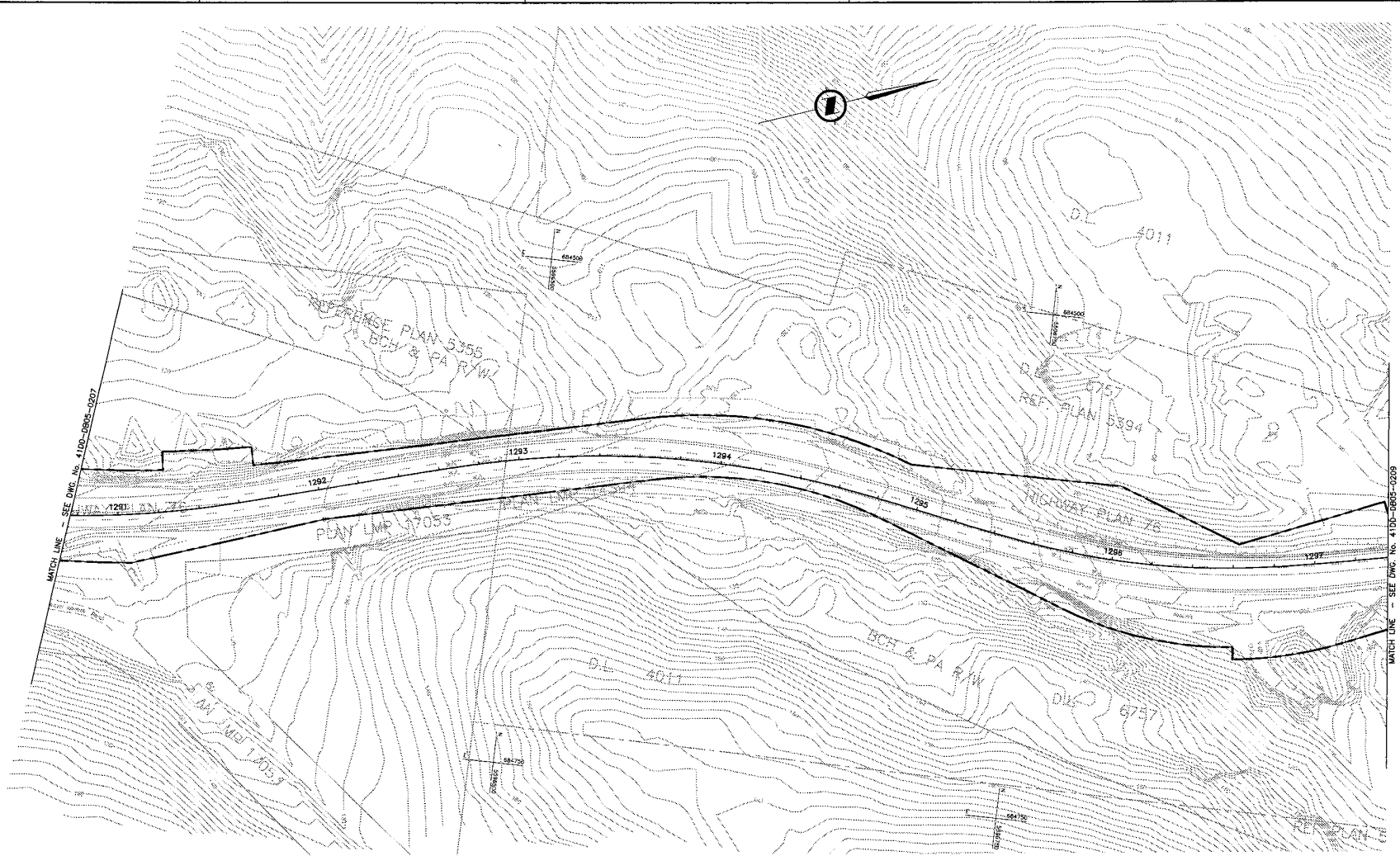
DESIGNED: M. LICHTENSTEDER DATE: 2004-02-25
 DRAWN: M. KIRBY DATE: 2004-02-25
 CHECKED: B. BOHRA/D. MATHIAS DATE: 2004-04-28
 APPROVED: J. BOHRA DATE: 2004-04-28

Rev.	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	MAL
G	04-08-17	ISSUED FOR TENDER	MAL

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

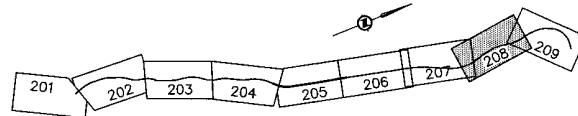
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 128+379.000 TO STA 129+077.000

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE No. 016315-EN10-S PROJECT No. 09901-7005 REG. 1 DRAWING No. 410D-DB05-0207 0



MATCH LINE - SEE Dwg. No. 41DD-DB05-0207

MATCH LINE - SEE Dwg. No. 41DD-DB05-0209



KEY PLAN

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB05-0104	BELCAN - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
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D	04-08-17	ISSUED FOR TENDER	ML

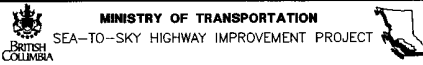
DESIGNED M. LICHTENSTORFER DATE 2004-02-25
 DRAWN M. JUNK DATE 2004-03-28
 CHECKED P. WONG/D. MURPHY DATE 2004-04-23
 APPROVED J. SORRA DATE 2004-04-28

SCALE 0 1:1000 50

DESIGNED M. LICHTENSTORFER DATE 2004-02-25
 DRAWN M. JUNK DATE 2004-03-28
 CHECKED P. WONG/D. MURPHY DATE 2004-04-23
 APPROVED J. SORRA DATE 2004-04-28

REVISIONS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

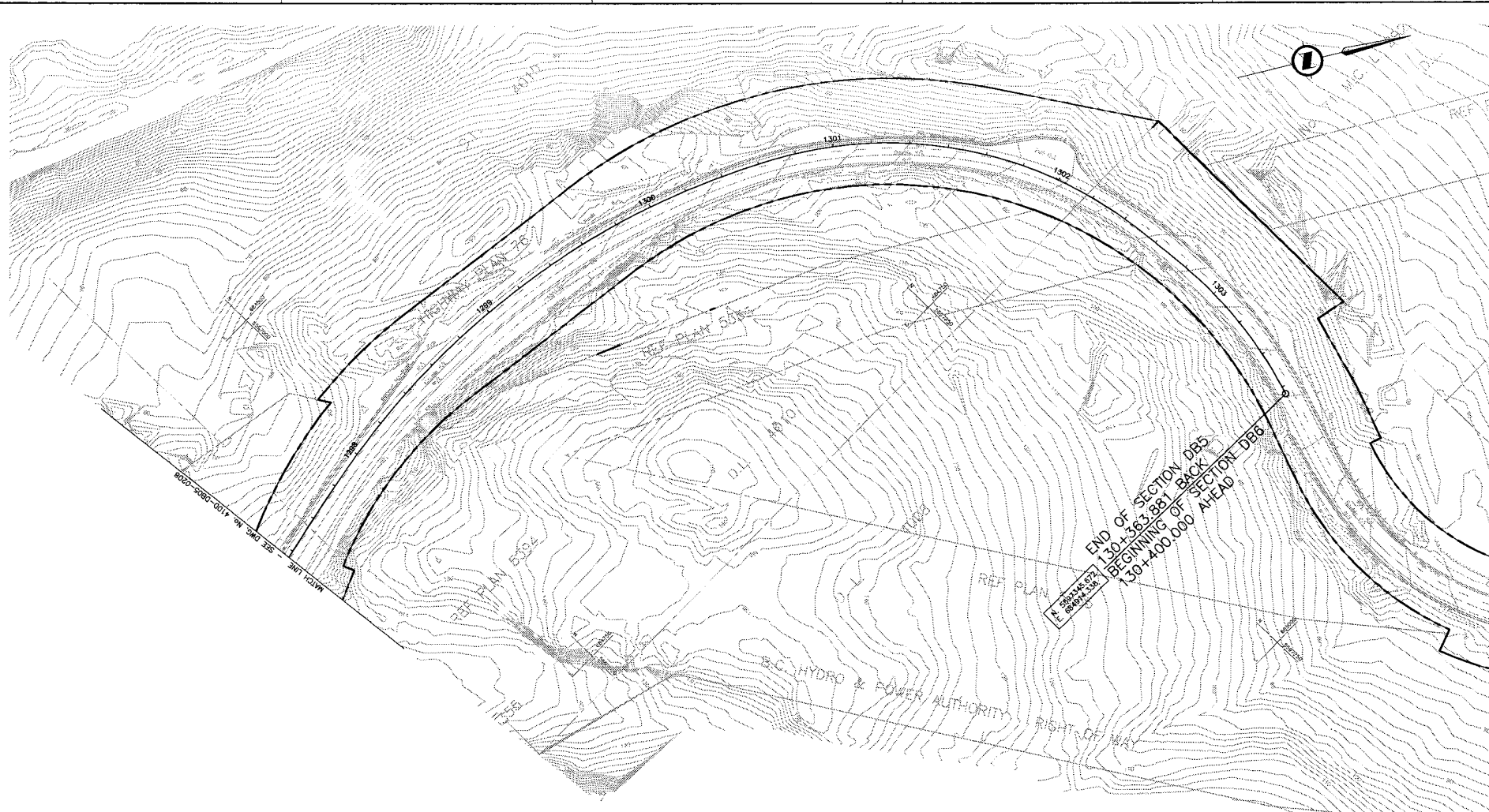


MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

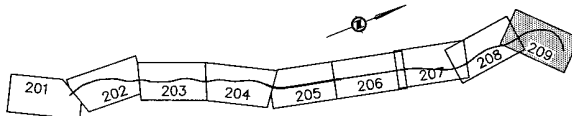
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 129+077.000 TO STA 129+738.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB05-0208

DATE: 2004/07/17 11:45 AM BY: JML (41DD-DB05-0208) DRAWING: 41DD-DB05-0208.PDF



END OF SECTION DB5
 130+363.881 BACK
 BEGINNING OF SECTION DB6
 130+400.000 AHEAD



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408115 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-DB05-0104	DELICAN - PRELIMINARY DESIGN - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ML
			D	04-08-17	ISSUED FOR TENDER	ML

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C3

DESIGNED: M. LICHTENBERGER DATE: 2004-02-23
 DRAWN: M. JOROK DATE: 2004-03-22
 CHECKED: P. WONG/D. MUMFORD DATE: 2004-04-23
 APPROVED: T. TAMURA DATE: 2004-04-28

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB5
 PORTEAU COVE TO MINATY BAY
 STA 129+738.000 TO STA 130+363.881

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 RES: 1 DRAWING No. 41DD-DB05-0209 0

REVISIONS

DATE: 2004/04/28 11:45 AM BY: SJA/ML - C:\GIS\41DD-DB05-0104\41DD-DB05-0104.dwg PLOT: 2004/04/28 11:45 AM

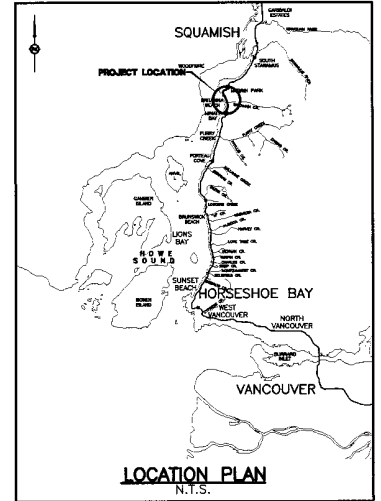


BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

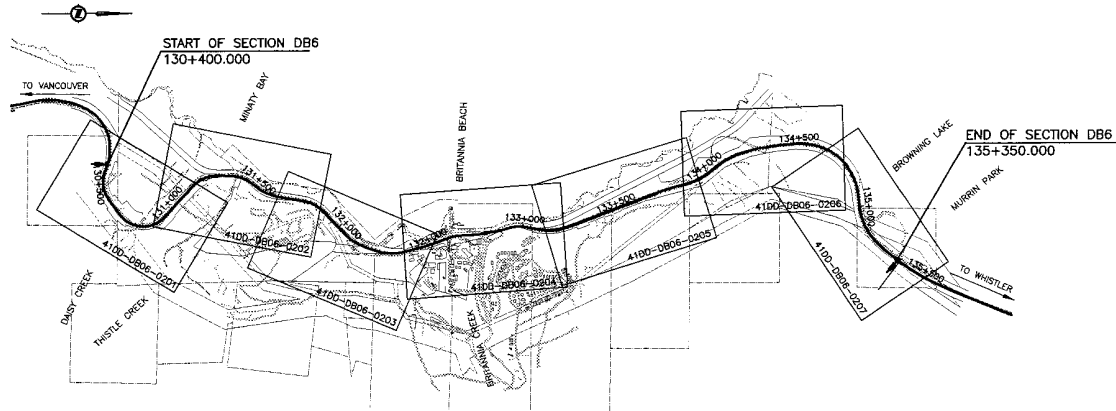
PROJECT No. 09901

Section DB6 Minaty Bay to Murrin Park

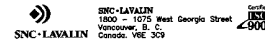


DRAWING INDEX

41DD-DB06-0000	1	COVER SHEET	
41DD-DB06-0001	0	PLAN, EROSION, LANDING SCHEMATIC	
41DD-DB06-0201	0	RIGHT-OF-WAY PLAN	STA 130+400.000 TO STA 131+050.000
41DD-DB06-0202	0	RIGHT-OF-WAY PLAN	STA 131+050.000 TO STA 131+750.000
41DD-DB06-0203	0	RIGHT-OF-WAY PLAN	STA 131+750.000 TO STA 132+450.000
41DD-DB06-0204	0	RIGHT-OF-WAY PLAN	STA 132+450.000 TO STA 133+200.000
41DD-DB06-0205	0	RIGHT-OF-WAY PLAN	STA 133+200.000 TO STA 133+900.000
41DD-DB06-0206	0	RIGHT-OF-WAY PLAN	STA 133+900.000 TO STA 134+700.000
41DD-DB06-0207	1	RIGHT-OF-WAY PLAN	STA 134+700.000 TO STA 135+350.000



KEY PLAN
1:12,500



SNC-LAVALEN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9



MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
COVER SHEET
SECTION DB6
MINATY BAY TO MURRIN PARK
STA 130+400.000 TO STA 134+350.000

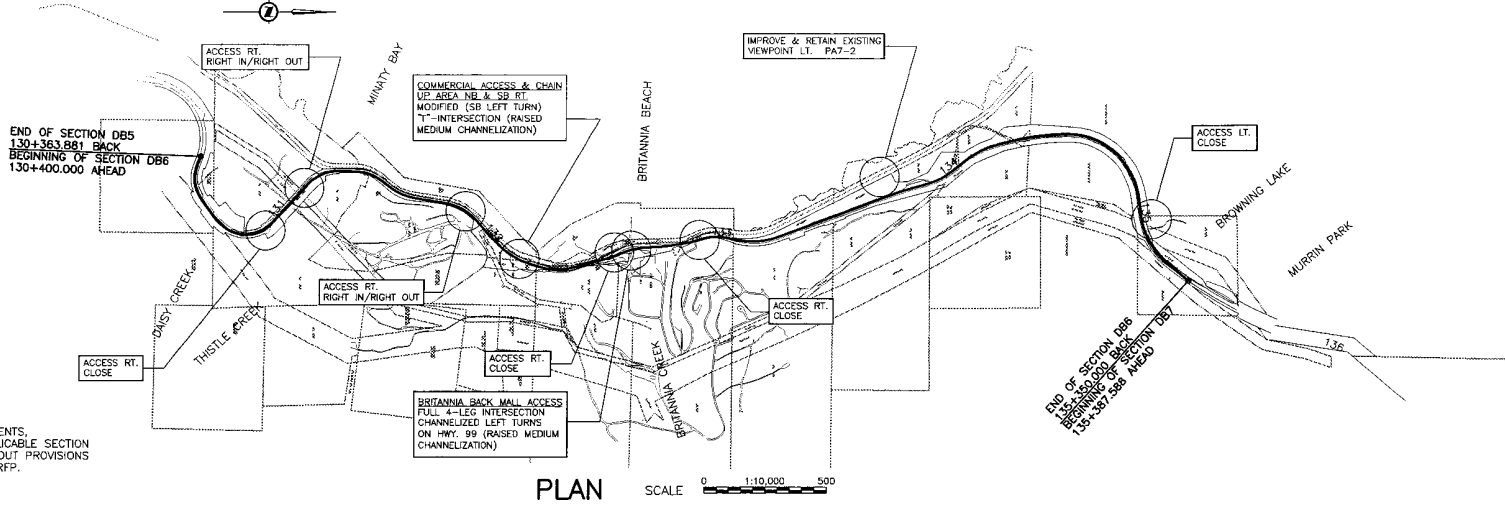
PROFESSIONAL SEAL	DWG. No.	Description

SCALE	AS NOTED		
DESIGNED	J. MACHAMIN	DATE	2004-02-25
DRAWN	M. DORRIS/LAM	DATE	2004-02-25
CHECKED	S. MACHINCOL	DATE	2004-04-23
APPROVED	J. TISHKA	DATE	2004-04-23

Rev	Date	Description	Signature
PA	04-04-06	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-06-17	ISSUED FOR TENDER	AW
1	04-10-29	REVISION NUMBER REVISED	AW

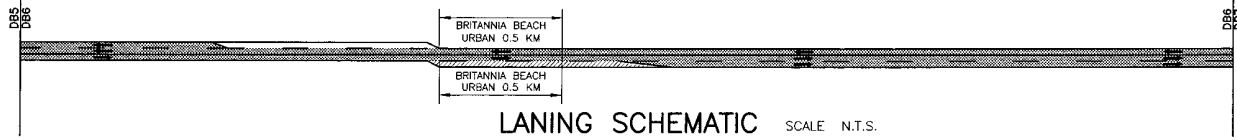
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB06-0000 1

DATE: 2004/02/25 11:24 AM BY: JAL/11 - Civil/DB - Proj/09 - Draw/ENCL/016315-EN10-S-41DD-DB06-0000-Rev.1.dwg
DRAWN: 2004/02/25 11:24 AM BY: JAL/11 - Civil/DB - Proj/09 - Draw/ENCL/016315-EN10-S-41DD-DB06-0000-Rev.1.dwg
CHECKED: 2004/04/23 11:24 AM BY: S.MACHINCOL/11 - Civil/DB - Proj/09 - Draw/ENCL/016315-EN10-S-41DD-DB06-0000-Rev.1.dwg



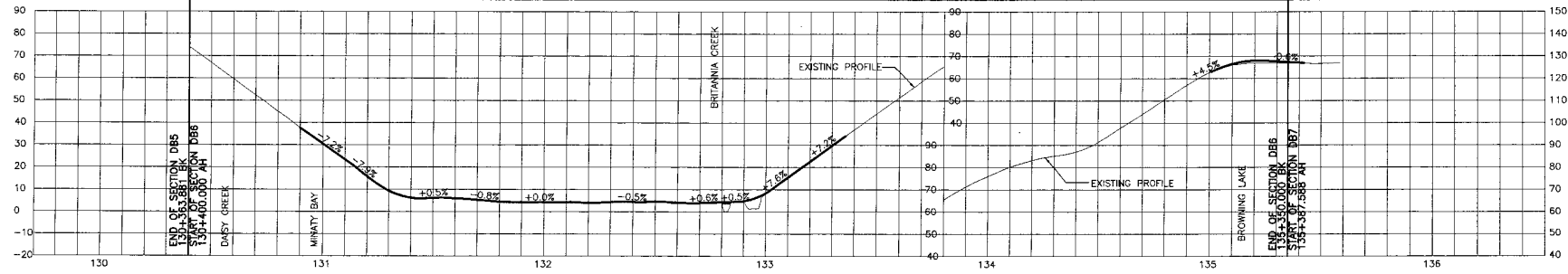
NOTE:
FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 1:10,000



LANING SCHEMATIC SCALE N.T.S.

EXISTING LANING
PROPOSED LANING
TEMPORARY 3rd LANE DURING OLYMPICS



PROFILE SCALE HORIZ 1:10,000 VERT 1:1000

DATE: 2004/09/10 10:45:00 AM BY: J. W. 2004/09/10 10:45:00 AM CHECKED BY: J. W. 2004/09/10 10:45:00 AM

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DESIGNED: J. WICKHAMANN DATE: 2004-02-25
DRAWN: M. HENRY DATE: 2004-02-25
CHECKED: S. HONG/S. HUNGAL DATE: 2004-02-25
APPROVED: T. TAGAWA DATE: 2004-02-25

DBFO - HORSESHOE BAY TO WHISTLER
PLAN, PROFILE & LANING SCHEMATIC
SECTION DB5
MINNITY BAY TO MURRIN PARK
STA. 130+400.000 TO STA. 135+350.000

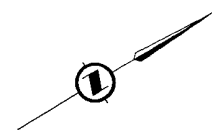
PROFESSIONAL SEAL	DWG. No.	Description
	4100-P006-0101	INTERLAD - PRELIMINARY DESIGN - PLAN

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	AW
PB	04-07-03	REVISED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

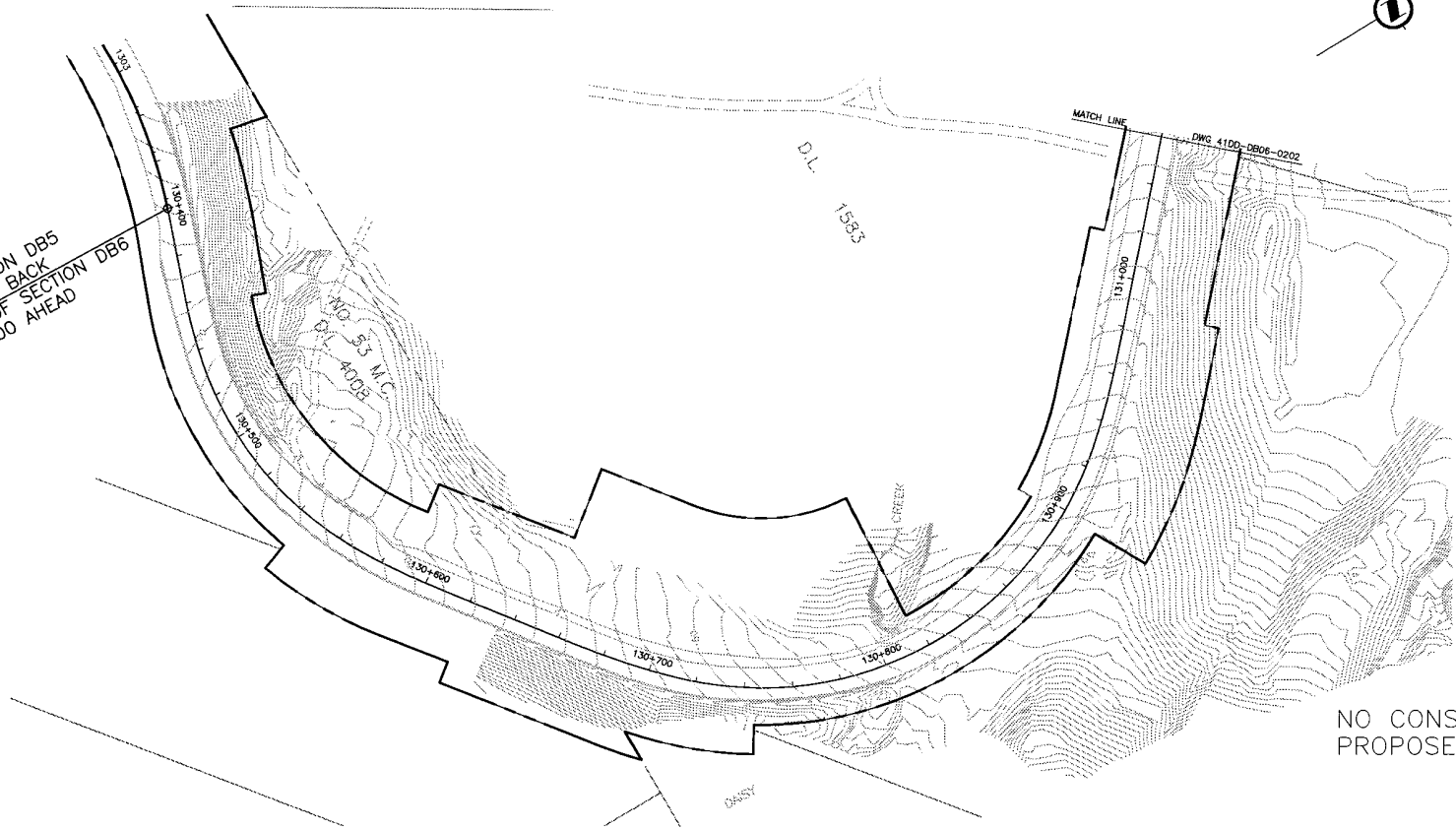
FILE No.	PROJECT No.	REV	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB06-0001

REFERENCE DRAWINGS

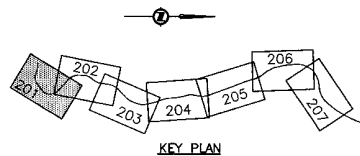
REVISIONS



N: 5987345.872
 E: 884914.358
 END OF SECTION DB5
 130+363.881 BACK
 BEGINNING OF SECTION DB6
 130+400.000 AHEAD



NO CONSTRUCTION
PROPOSED ON THIS DWG



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000468116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P006-0101	INTERCAD - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

SNC-LAVALIN
 1000 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
 BRITISH COLUMBIA

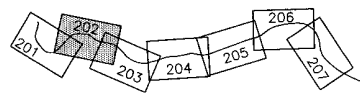
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB6
 MINATY BAY TO MURRIN PARK
 STA 130+400.000 TO STA 131+050.000

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB06-0201

DATE: 2004/02/23 08:17 AM
 USER: j.mccormack
 FILE: I:\Projects\41DD-DB06-0201\41DD-DB06-0201.dwg
 PLOT: 2004/02/23 08:17 AM
 PLOTTER: HP DesignJet 500



HOWE SOUND



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-P008-0102	INTERCAD - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED **T. WOODMAN** DATE 2004-02-25
DRAWN **M. FROCK** DATE 2004-02-25
CHECKED **G. MURPHY** DATE 2004-04-21
APPROVED **T. TAYLOR** DATE 2004-04-29

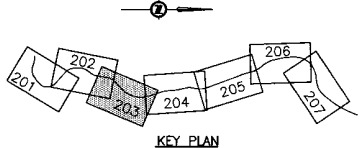
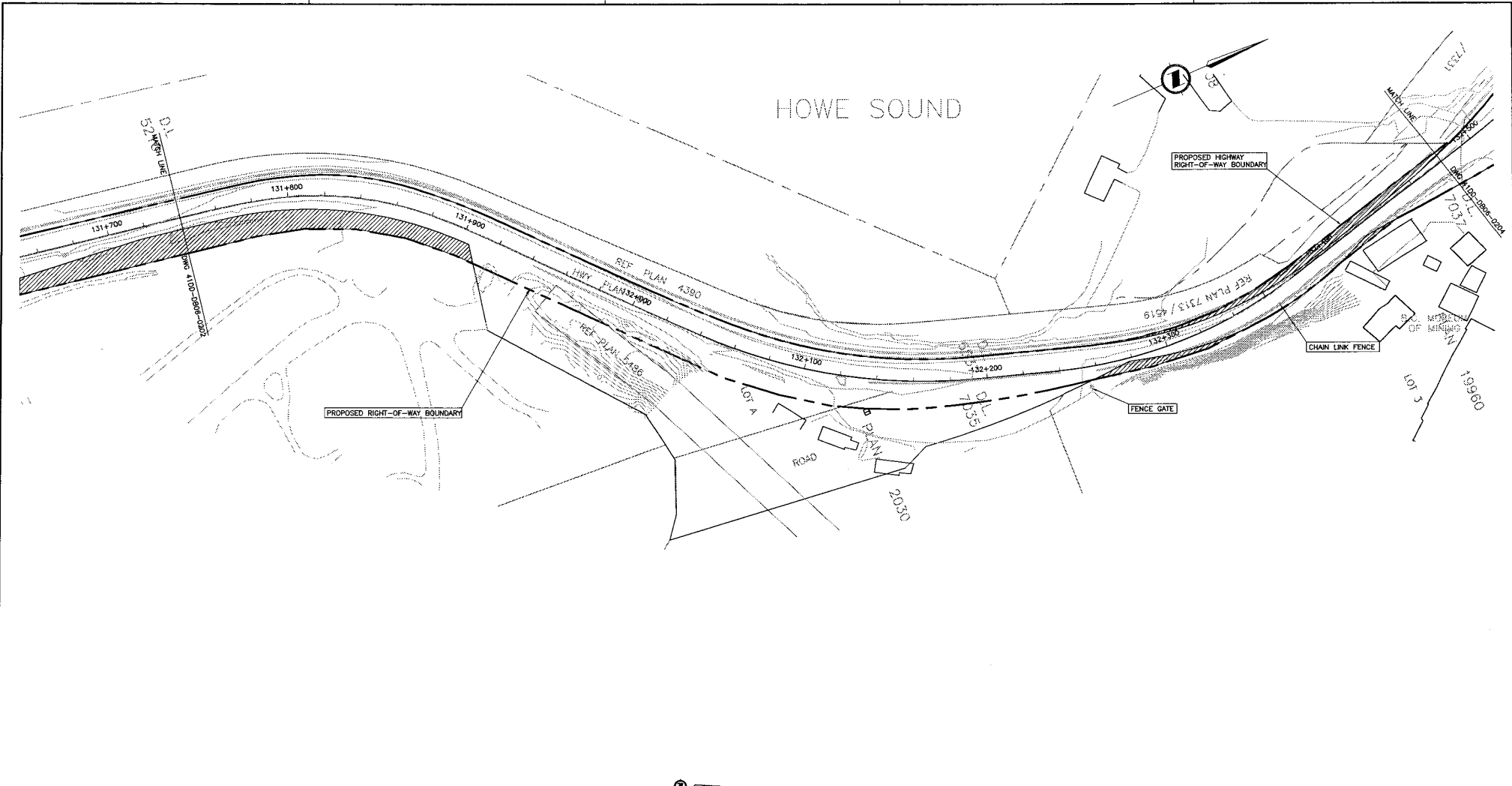
Rev	Date	Description	Signature
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0	04-06-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB6
MINATY BAY TO MURRIN PARK
STA 131+050.000 TO STA 131+750.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB06-0202 0

DATE: 2004/02/25 8:57am
DRAWN: M. FROCK
CHECKED: G. MURPHY
APPROVED: T. TAYLOR



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

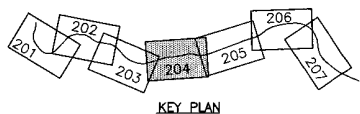
PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-P006-0103	INTERCAD - PRELIMINARY DESIGN - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			0	04-08-17	ISSUED FOR TENDER	ARW

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:1000 50		DESIGNED J. BUCHHEIM DATE 2004-02-25 DRAWN M. KIRBY DATE 2004-02-25 CHECKED S. MacROD DATE 2004-04-23 APPROVED J. TSENG DATE 2004-04-29	
REFERENCE DRAWINGS		REVISIONS	

DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB6 MINATY BAY TO MURRIN PARK STA 131+750.000 TO STA 132+450.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No. 016315-EN10-S	PROJECT No. 09901-7005	REV. 1	DRAWING No. 41DD-DB06-0203 0

DATE PLOTTED: 2004/04/23 10:51:11 AM TO: 2004/04/23 10:51:11 AM FROM: 2004/04/23 10:51:11 AM USER: jtseng

HOWE SOUND



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
4100-DB06-0104	INTERCAD - PRELIMINARY DESIGN - PLAN

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

REVISIONS

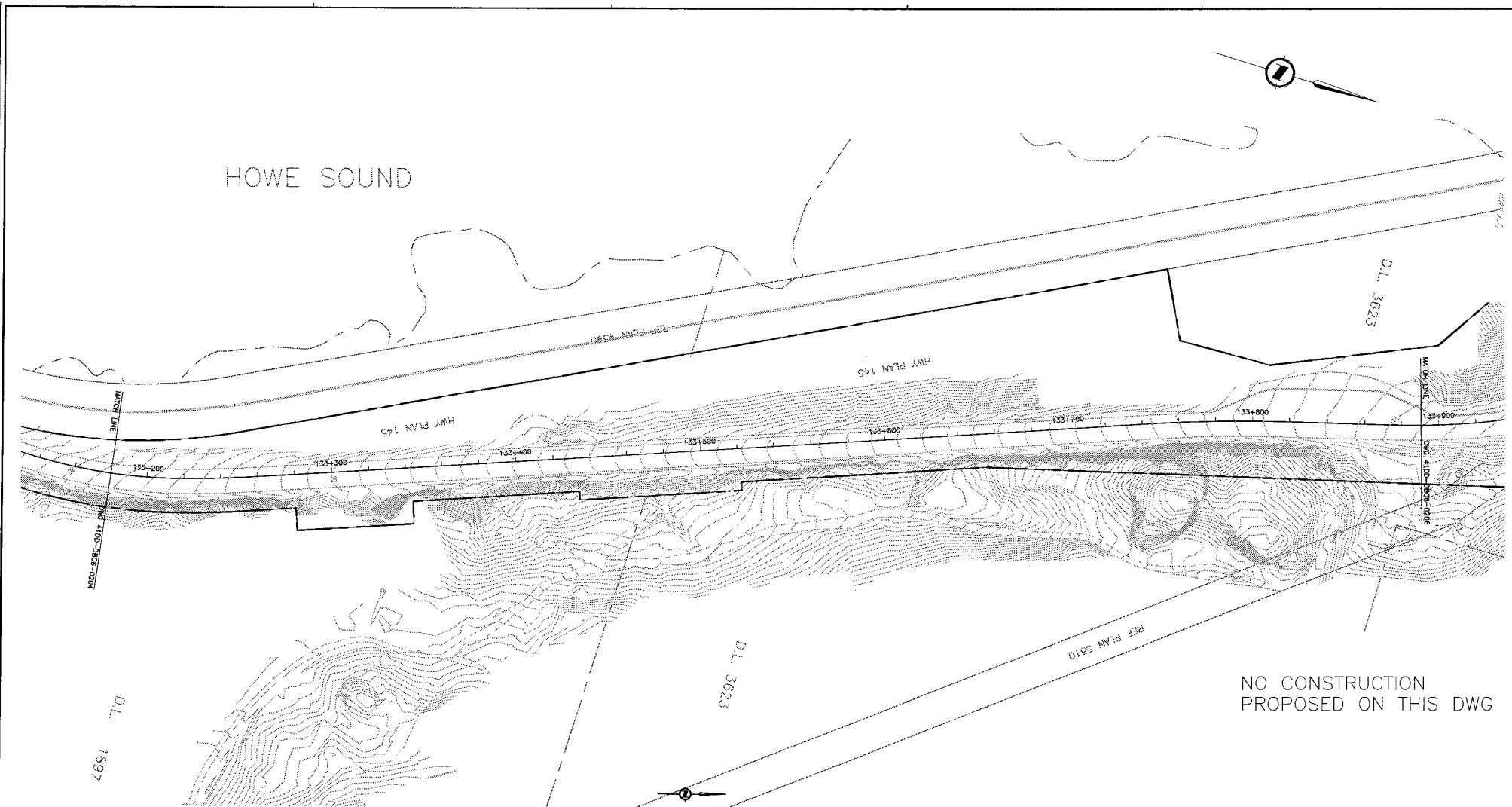
SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada V6E 2C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

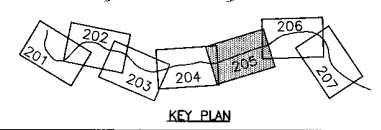
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB6
MINATY BAY TO MURRIN PARK
STA 132+450.000 TO STA 133+200.000

SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV.	DRAWING NO.
1	41DD-DB06-0204

41DD-DB06-0204.dwg
 2004-08-17
 M. ERIC
 1:1000
 04-08-17
 S. BERNARD
 2004-08-17
 J. SERRA
 2004-08-17



NO CONSTRUCTION
PROPOSED ON THIS DWG



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A'.
TO CONVERT FROM UTM TO THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A', MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB06-0105	INTERCROSS - PRELIMINARY DESIGN - PLAN

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

SNC-LAVALIN
1800 - 1072 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

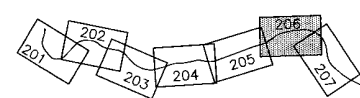
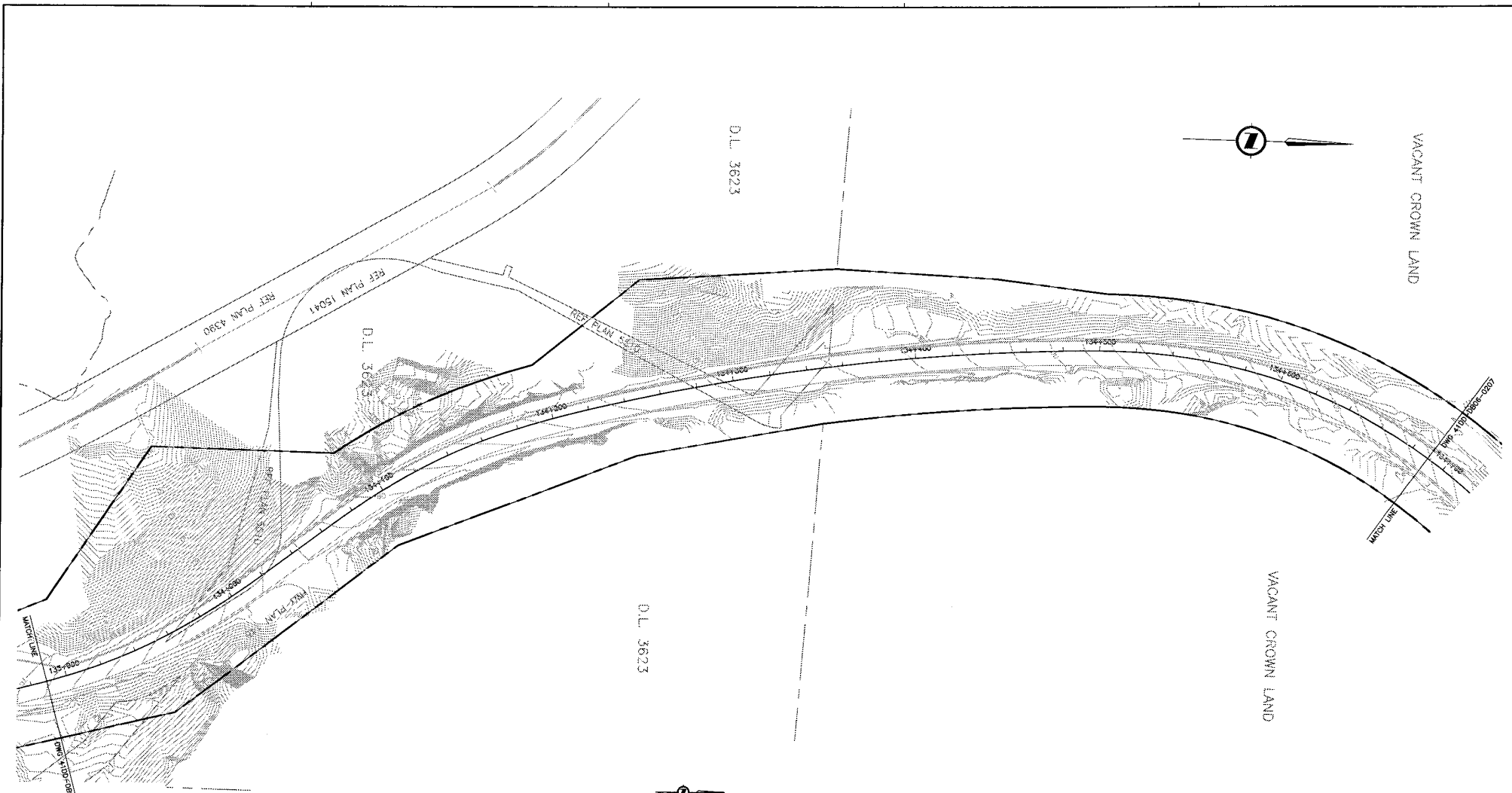
DESIGNED: J. WEDDMANN DATE: 2004-02-25
DRAWN: M. JIRICK DATE: 2004-02-25
CHECKED: S. MADRISOLA DATE: 2004-04-23
APPROVED: J. SASAKI DATE: 2004-04-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB6
MINATY BAY TO MURRIN PARK
STA 133+200.000 TO STA 133+900.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB06-0205 0

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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			0	04-08-17	ISSUED FOR TENDER	ARW
REFERENCE DRAWINGS			REVISIONS			

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: J. MICHAMBA DATE: 2004-02-25
 DRAWN: M. KIRBY DATE: 2004-02-25
 CHECKED: G. McMOUL DATE: 2004-04-23
 APPROVED: J. JESSEN DATE: 2004-04-28

SCALE 0 1:1000 50

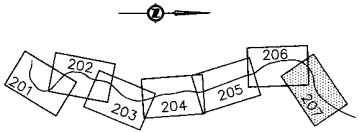
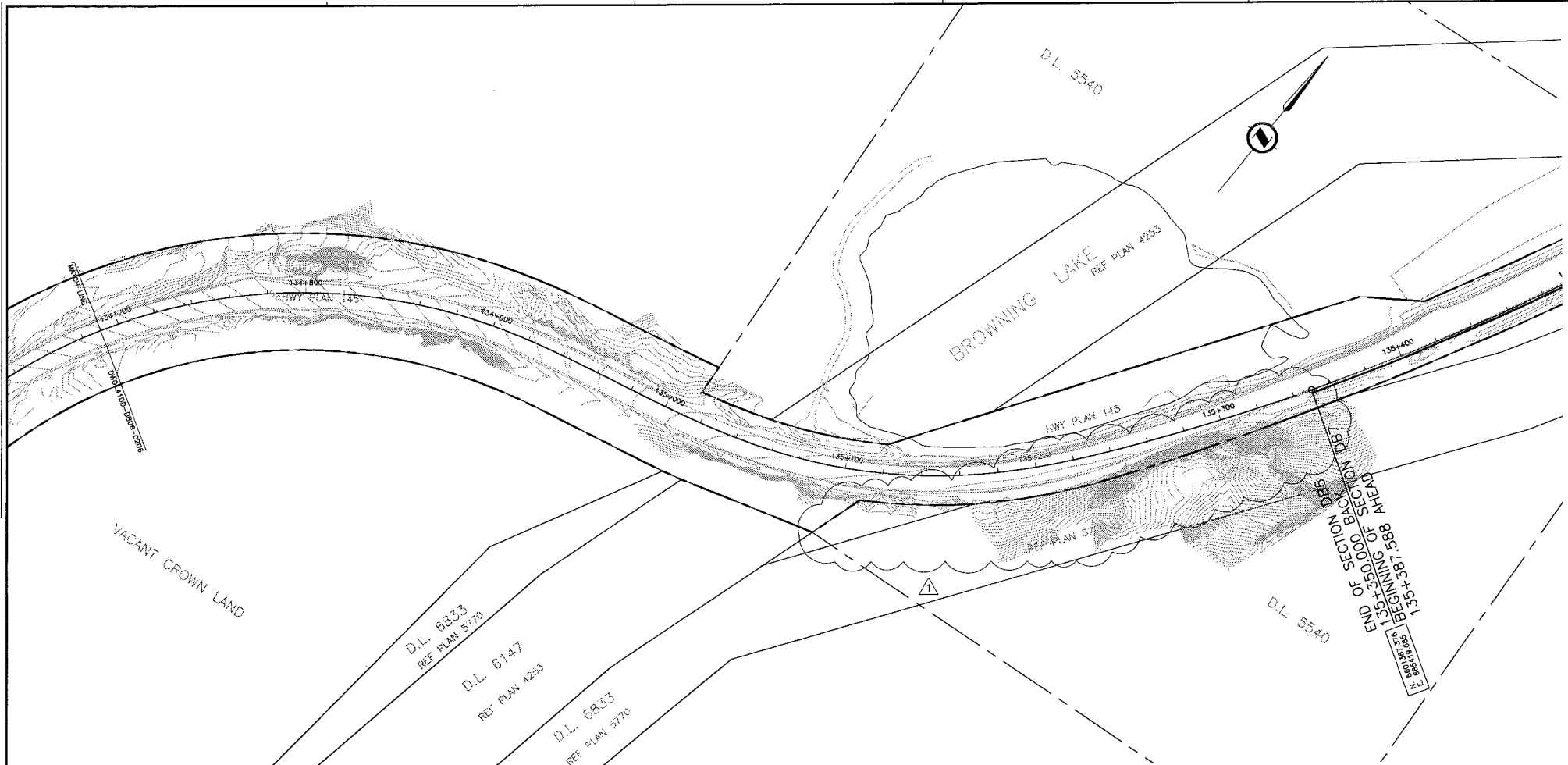
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB6
 MINATY BAY TO MURRIN PARK
 STA 133+900.00 TO STA 134+700.00

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 RES. 1 DRAWING No. 41DD-DB06-0206 0

DATE: 2004-04-28
 FILE: 016315-EN10-S
 PROJECT: 09901-7005
 DRAWING: 41DD-DB06-0206



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100.000m N AND 200.000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P006-0107	INTERCAD - PRELIMINARY DESIGN - PLAN

KEY PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED J. WISCHMEYER DATE 2004-02-25
DRAWN M. ZIECK DATE 2004-02-25
CHECKED G. McNEILL DATE 2004-04-23
APPROVED T. YASAKA DATE 2004-04-23

Rev	Date	Description	Signature
0	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-06-17	ISSUED FOR TENDER	ARW
1	04-10-27	ROW ACQUISITION FROM STA 135+100 TO 135+350 DELETED	ARW

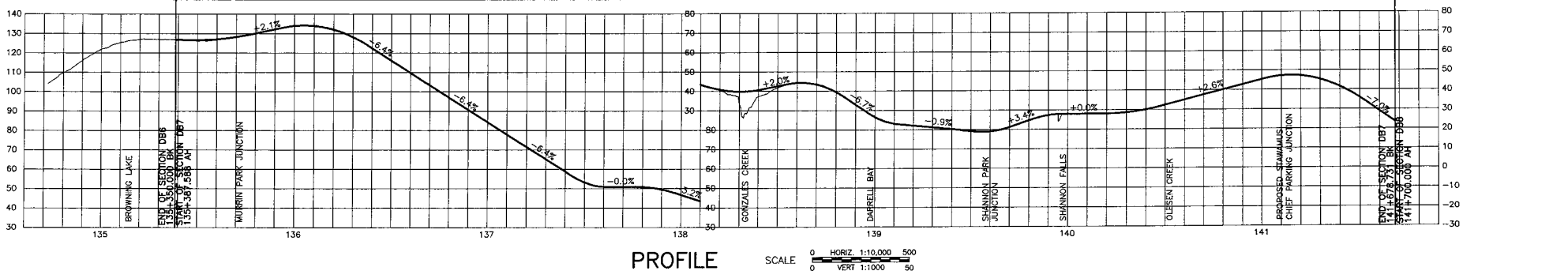
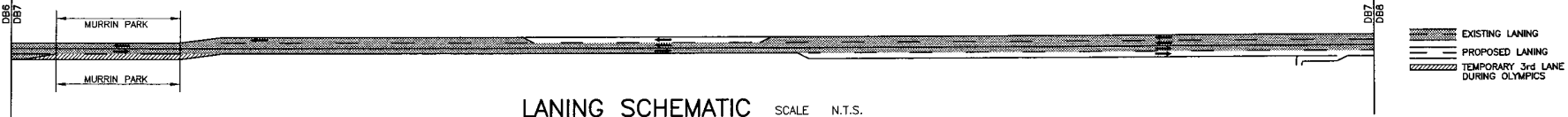
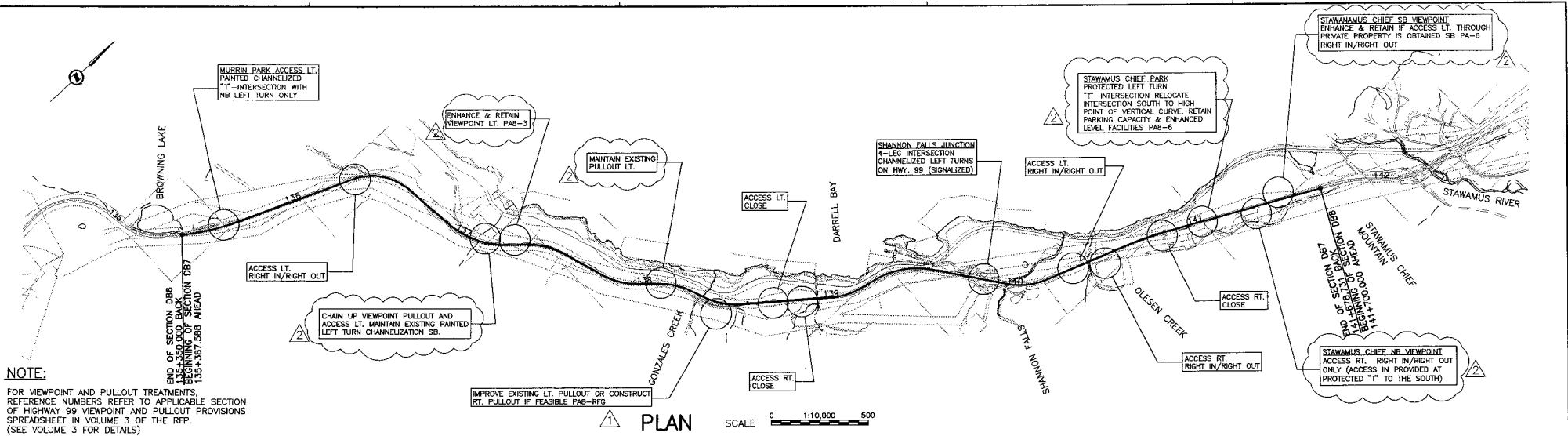
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB6
MINATY BAY TO MURRIN PARK
STA 134+700.000 TO STA 135+350.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No. 1016315-EN10-S PROJECT No. 09901-7005 REG. 1 DRAWING No. 41DD-DB06-0207 1

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 PLOT: 2004/04/23 11:32 AM BY: SVA/1 - C:\A00 - DWGJOB - DWGJOB - 41DD-DB06-0001\en0207_2.dwg



DATE: 2004-02-22 11:22 AM
 FILE: C:\WORK\016315-EN10-S\1000-7005-0001-DB07.dwg
 USER: jason

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
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			PB	04-07-03	REVISED FOR REQUEST FOR PROPOSAL	ARW
			0	04-08-17	ISSUED FOR TENDER	ARW
			1	04-10-29	GENERAL REVISION	ARW
			2	05-03-04	GENERAL REVISION	ARW

SNC-LAVALIN

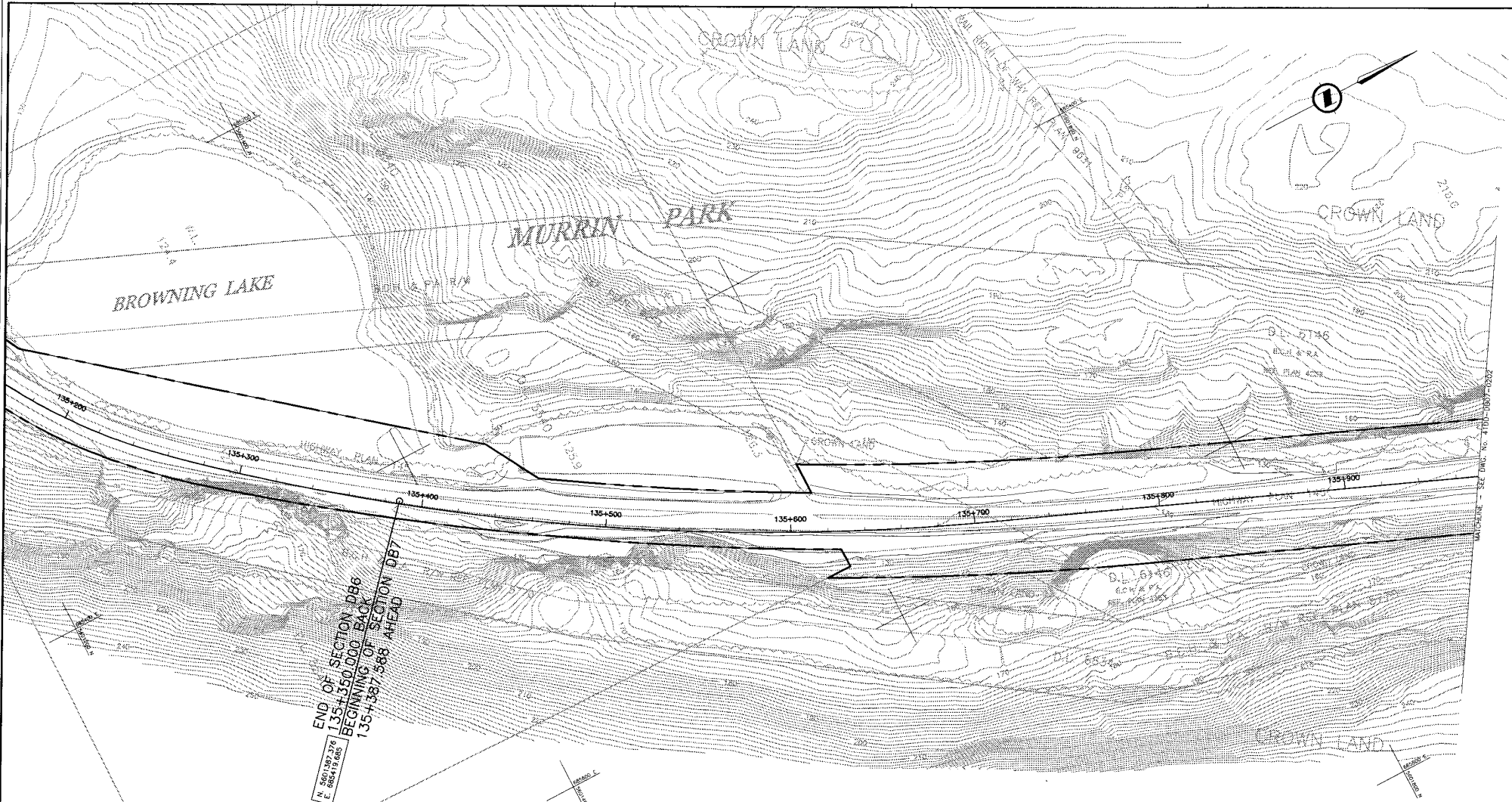
SNC-LAVALIN
1800 - 1075 West George Street
Vancouver, B. C.
Canada, V6Z 3C9

DESIGNED: J. MACMURRI DATE: 2004-02-22
 DRAWN: M. DUBOIS, S. LAM DATE: 2004-02-22
 CHECKED: R. HENNING, S. HENNING DATE: 2004-02-22
 APPROVED: J. TASSIO DATE: 2004-04-22

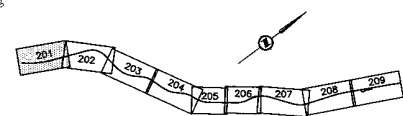
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC
 SECTION DB7
 MURRIN PARK TO SOUTH STAWAMUS
 STA. 135+387.588 TO STA. 141+678.731

SENIOR DESIGN ENGINEER	FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
	016315-EN10-S	09901-7005	1	41DD-DB07-0001	2



END OF SECTION DB6
 135+350.000 BACK
 BEGINNING OF SECTION DB7
 135+387.588 AHEAD



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

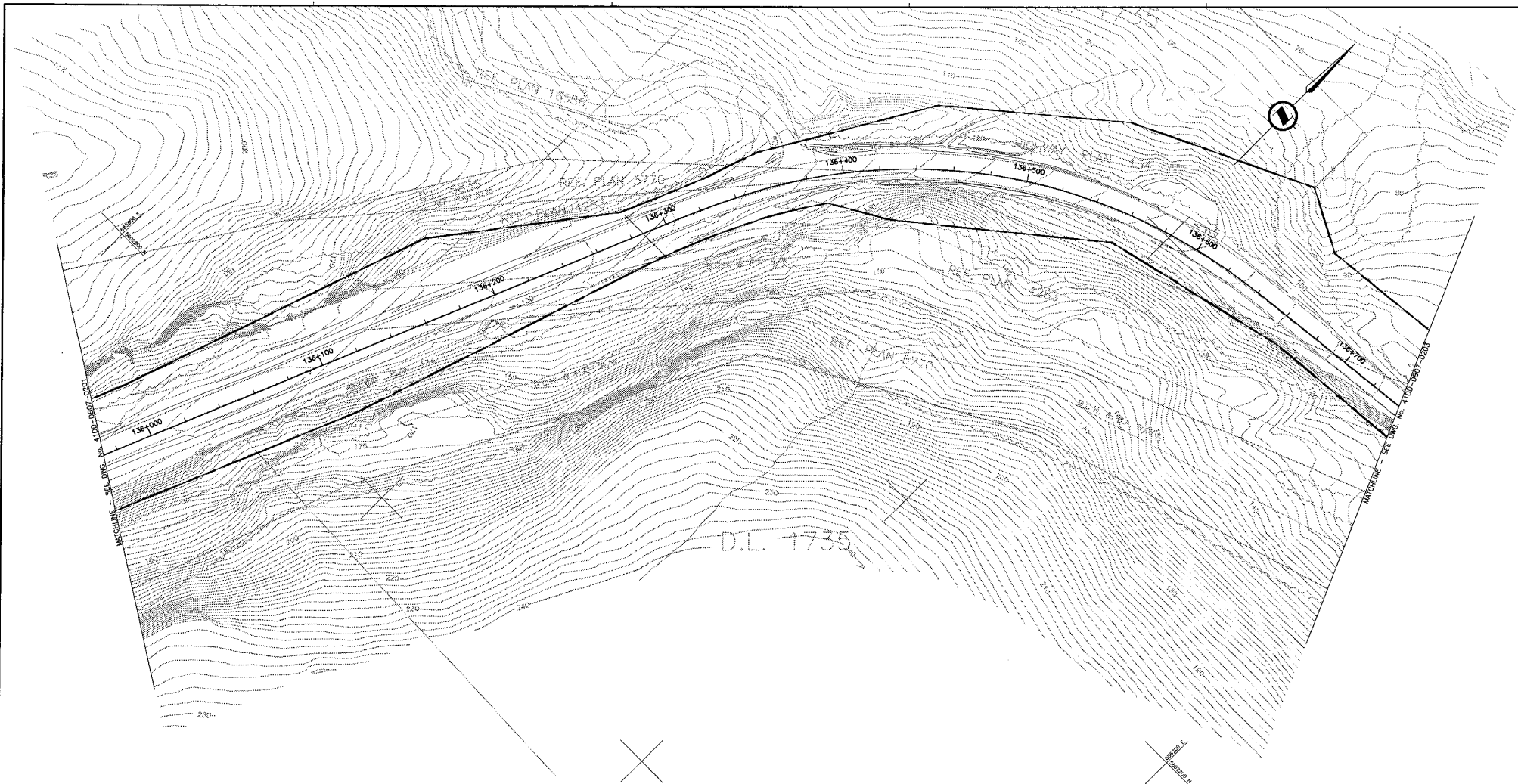
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DMC. No.	Description
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 SNC-LAVALIN 1800 - 1275 West Georgia Street Vancouver, B.C. Canada, V6E 3C9			
SCALE	0	1:1000	50
DESIGNED	T. WACHMAN	DATE	2004-02-25
DRAWN	M. ENCK	DATE	2004-04-09
CHECKED	G. MacNICOLL	DATE	2004-04-23
APPROVED	T. TISSERA	DATE	2004-08-29
Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB7 MURRIN PARK TO SOUTH STAWAMUS STA 135+387.588 TO STA 135+971.000	
SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB07-0201

DATE: 2004-08-29 11:41:41 AM
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 USER: TISSERA
 PLOT: 016315-EN10-S-PA-1.dwg
 PLOTTER: HP DesignJet 5000



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

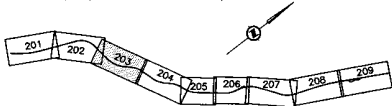
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PROFESSIONAL SEAL	DWG. No.	Description
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 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C9		 Certified 2000	
DESIGNED	J. REICHMANN	DATE	2004-02-25
DRAWN	M. KIRBY	DATE	2004-04-09
CHECKED	S. MURPHY	DATE	2004-04-23
APPROVED	J. SOLOTTA	DATE	2005-01-29
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB7 MURRIN PARK TO SOUTH STAWAMUS STA 135+971.000 TO STA 136+737.000			
SENIOR DESIGN ENGINEER		DATE	
FILE NO.	PROJECT NO.	REV.	DRAWING NO.
016315-EN10-S	09901-7005	1	41DD-DB07-0202

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 04/01/2005



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	PA-3	PSL - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3Z9		 BRITISH COLUMBIA	
SCALE 0 1:1000 50		DESIGNED T. WACHMANN DATE 2004-02-25 DRAWN M. BIRCH DATE 2004-04-09 CHECKED G. MORTON DATE 2004-04-23 APPROVED T. WACHMANN DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

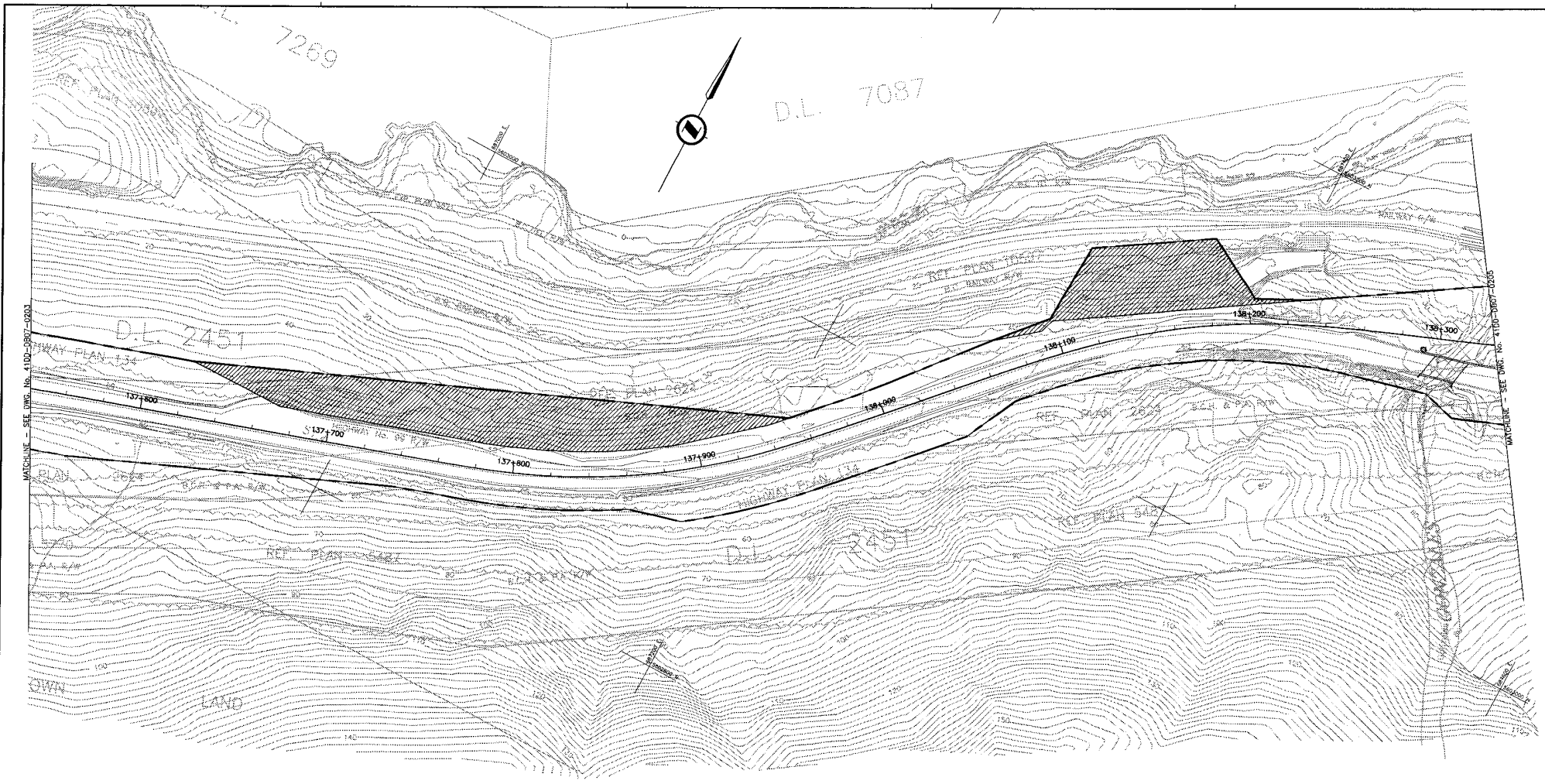
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB7
MURRIN PARK TO SOUTH STAWAMUS
STA 136+737.000 TO STA 137+540.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No: 016315-EN10-S PROJECT No: 09901-7005 RES: 1 DRAWING No: 41DD-DB07-0203 0

DATE: 2004-04-28 1:55 PM BY: TWA/MLB - 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3Z9



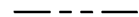


NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

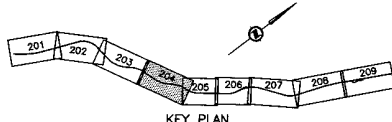
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	PA-4	PSL - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3G9

DESIGNED: J. WACHMANI DATE: 2004-02-25
 DRAWN: M. ENOK DATE: 2004-04-09
 CHECKED: S. MATHROCK DATE: 2004-04-23
 APPROVED: J. TISSIER DATE: 2004-04-29

Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

REVISIONS

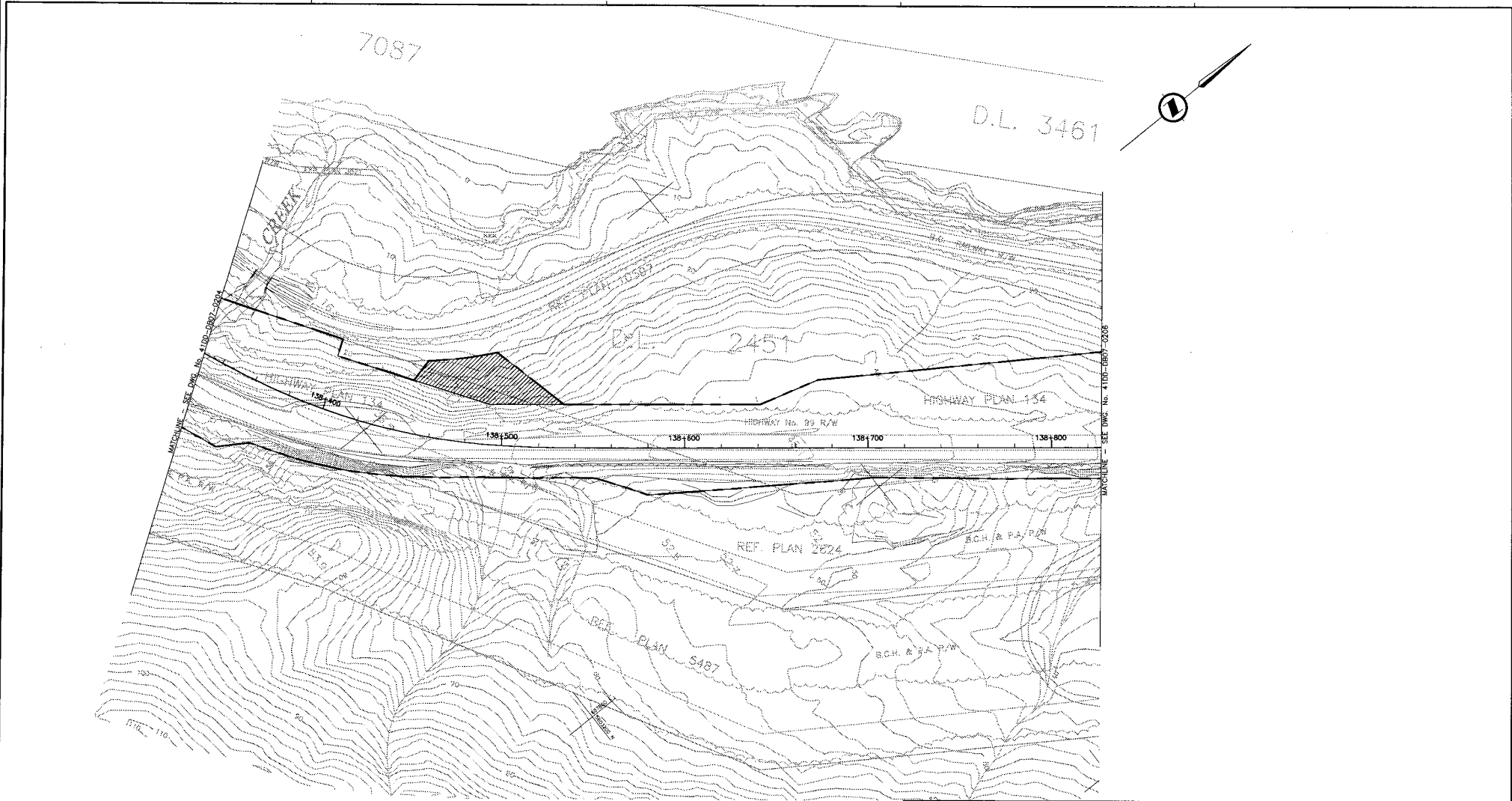
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB7
 MURRIN PARK TO SOUTH STAWAMUS
 STA 137+540.000 TO STA 138+329.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REL.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB07-0204 0

DATE: 2004/04/23 11:58 AM TO: 2004/04/23 11:58 AM FROM: 2004/04/23 11:58 AM
 FILE: 016315-EN10-S-09901-7005-1-41DD-DB07-0204-0204.dwg
 PLOT: 2004/04/23 11:58 AM TO: 2004/04/23 11:58 AM FROM: 2004/04/23 11:58 AM
 FILE: 016315-EN10-S-09901-7005-1-41DD-DB07-0204-0204.dwg
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DATE: 2004/07/09 11:58 AM
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 PLOT SCALE: 1:1000
 PLOT SHEET: 1 OF 1

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

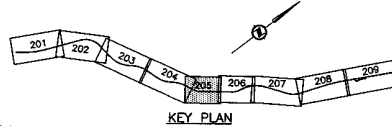
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	PA-5	DL - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
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0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

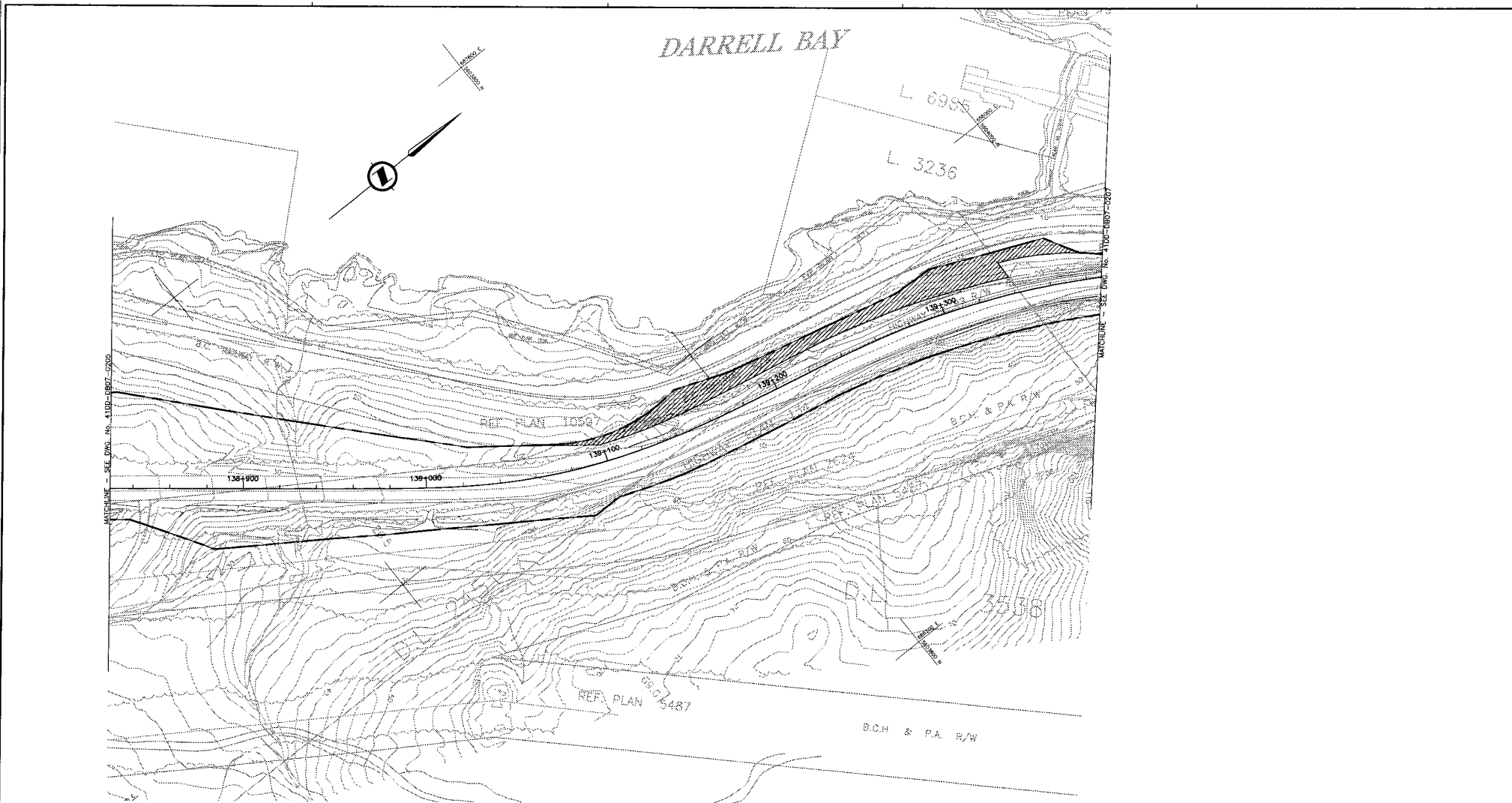
SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

SCALE 0 1:1000 50
 DESIGNED J. BUCHANAN DATE 2004-02-25
 DRAWN M. JEROK DATE 2004-04-08
 CHECKED S. McPHICK DATE 2004-04-22
 APPROVED J. JAGRA DATE 2004-04-28

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB7
 MURRIN PARK TO SOUTH STAWAMUS
 STA 138+329.000 TO STA 138+826.000

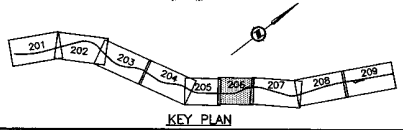
FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB07-0205 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

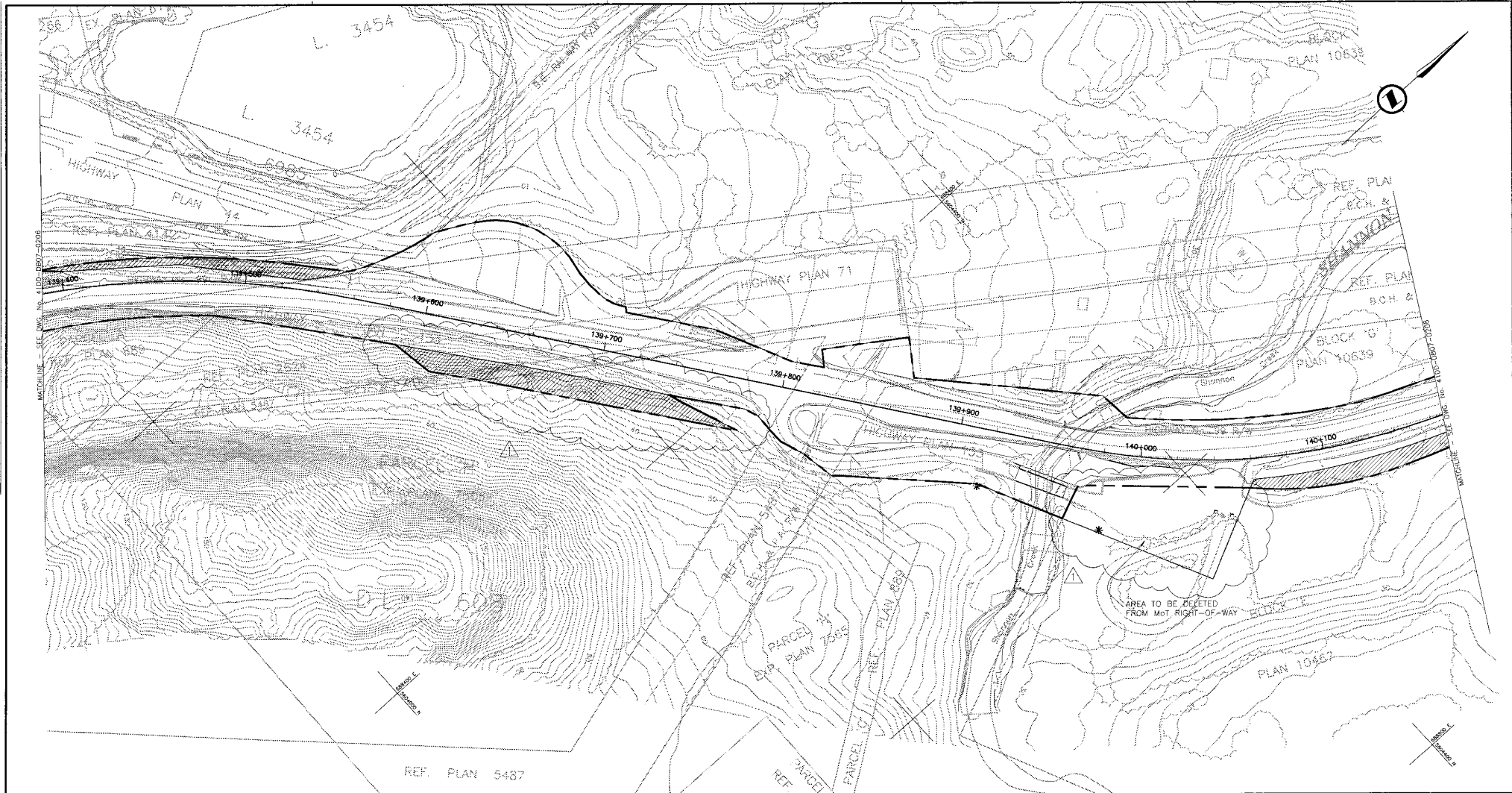


PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
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			0	04-08-17	ISSUED FOR TENDER	AW

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		 Central 8001	
DESIGNED: T. WOODMAN DATE: 2004-02-25 DRAWN: M. DODD DATE: 2004-04-09 CHECKED: S. MURPHY DATE: 2004-04-23 APPROVED: T. TAYLOR DATE: 2004-04-28		SCALE 0 1:1000 50	
REFERENCE DRAWINGS		REVISIONS	

 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB7 MURRIN PARK TO SOUTH STAWAMUS STA 138+826.000 TO STA 139+388.000	
SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REV. 1	DRAWING No. 41DD-DB07-0206

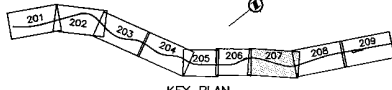
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

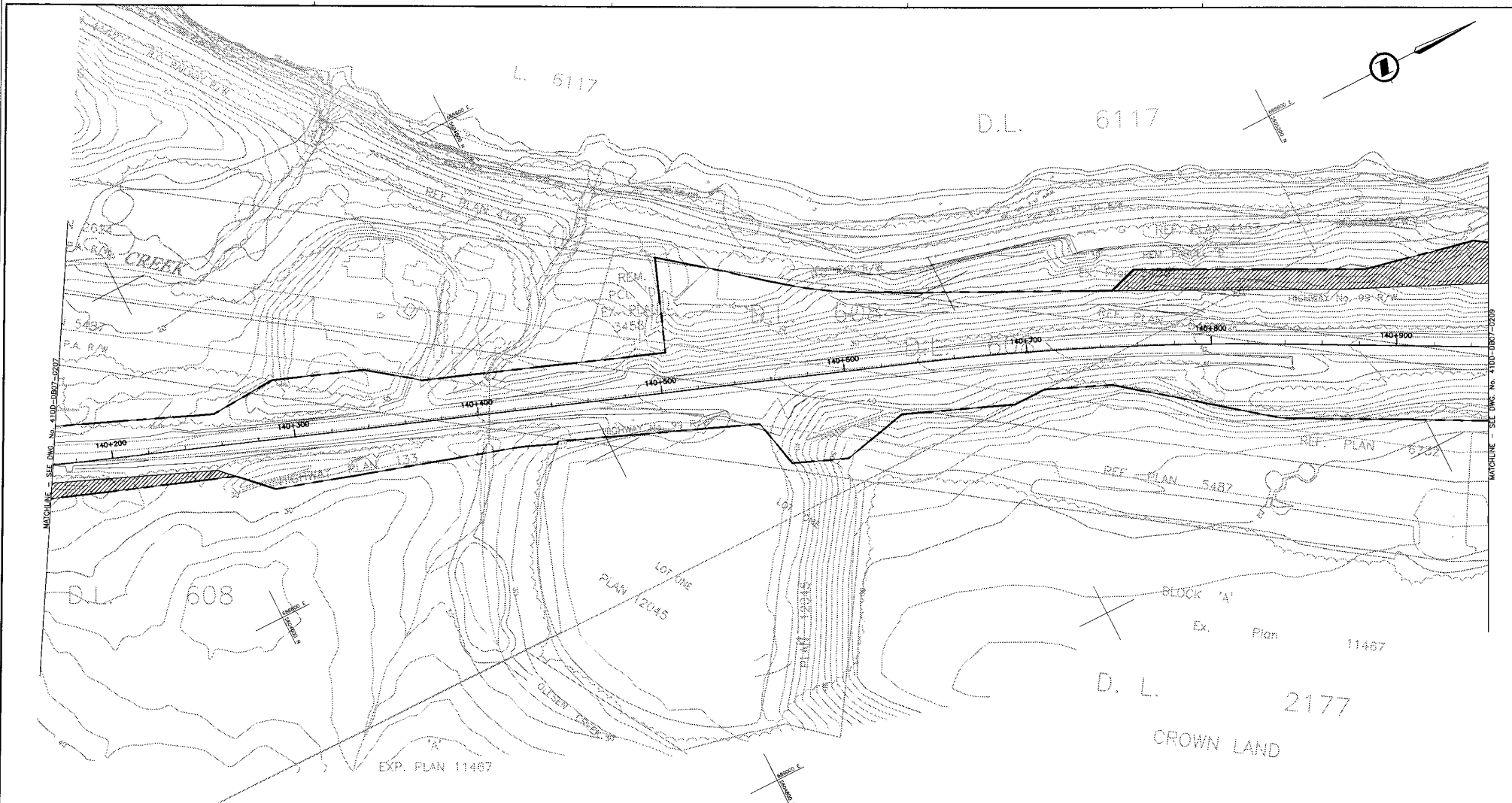
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	PA-7	ISL - PRELIMINARY DESIGN - PLAN
REFERENCE DRAWINGS		

SNC-LAVALIN		SNC-LAVALIN 1800 - 1070 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		
DESIGNED	T. WACHMANN	DATE	2004-07-25	
DRAWN	M. FROSE	DATE	2004-04-09	
CHECKED	G. MATHIEU	DATE	2004-04-23	
APPROVED	T. TISSOT	DATE	2004-04-29	
Rev	Date	Description	Signature	
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	AW	
D	04-08-07	ISSUED FOR TENDER	AW	
I	04-18-07	FOR REVISION	AW	
REVISIONS				

		MINISTRY OF TRANSPORTATION			
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT					
DBFO - HORSESHOE BAY TO WHISTLER					
RIGHT-OF-WAY PLAN					
SECTION DB7					
MURRIN PARK TO SOUTH STAWAMUS					
STA 139+388.000 TO STA 140+166.000					
SENIOR DESIGN ENGINEER				DATE	
FILE No.	PROJECT No.	REG.	DRAWING No.		
016315-EN10-S	09901-7005	1	41DD-DB07-0207	1	



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

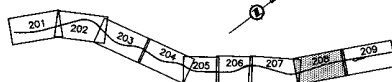
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	PA-S	SL - PRELIMINARY DESIGN - PLAN
REFERENCE DRAWINGS		

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
S	04-08-17	ISSUED FOR TENDER	ARW

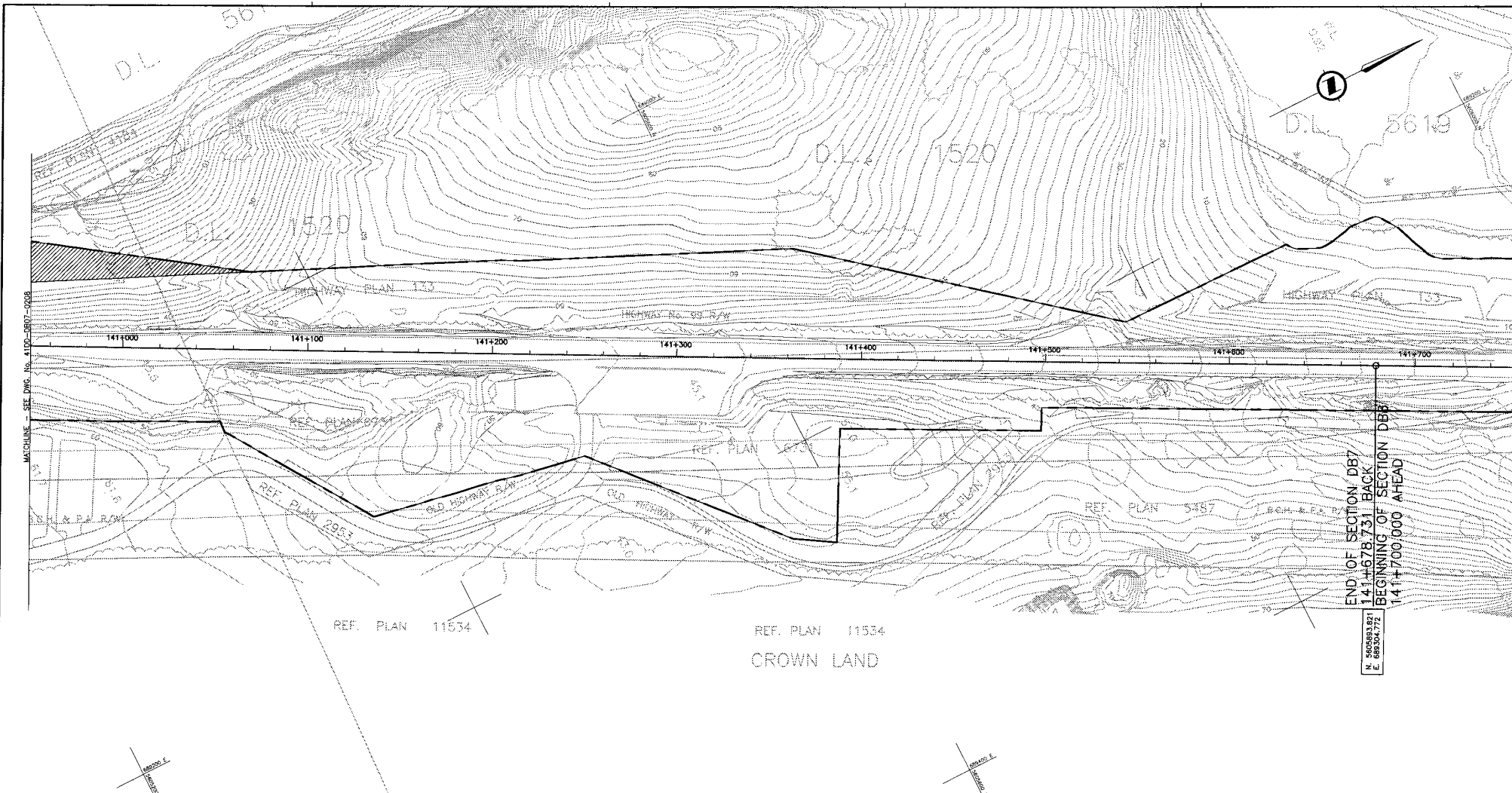
SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6C 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

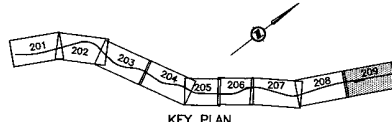
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB7
 MURRIN PARK TO SOUTH STAWAMUS
 STA 140+166.000 TO STA 140+949.000

SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REV. 1	DRAWING No. 41DD-DB07-0208

DATE: 2004-02-25
 TIME: 10:00 AM
 DRAWN BY: M. STOK
 CHECKED BY: G. MacROD
 APPROVED BY: J. FISHER
 PROJECT: DBFO - HORSESHOE BAY TO WHISTLER
 DRAWING: 41DD-DB07-0208



END OF SECTION DB7
 141+678.731 BACK
 BEGINNING OF SECTION DB8
 141+700.000 AHEAD
 N. 5805893.821
 E. 695504.772



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

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ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

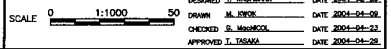
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
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			0	04-06-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

SNC-LAVALIN
 1600 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED: T. BECHMANN DATE: 2004-02-25
 DRAWN: M. ENOK DATE: 2004-04-09
 CHECKED: S. HANCOCK DATE: 2004-04-22
 APPROVED: T. TISDALE DATE: 2004-04-28



Rev.	Date	Description	Signature
FA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-06-17	ISSUED FOR TENDER	ARW

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB7
 MURRIN PARK TO SOUTH STAWAMUS
 STA 140+949.000 TO STA 141+678.731

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 REG. 1 DRAWING No. 41DD-DB07-0209 0

Document Control Number	Date
CS7005-0038_01	5 Nov. 2004

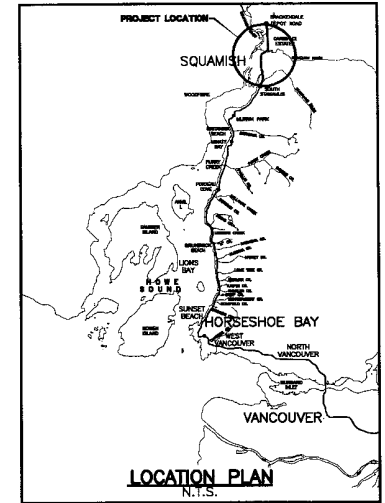


MINISTRY OF TRANSPORTATION

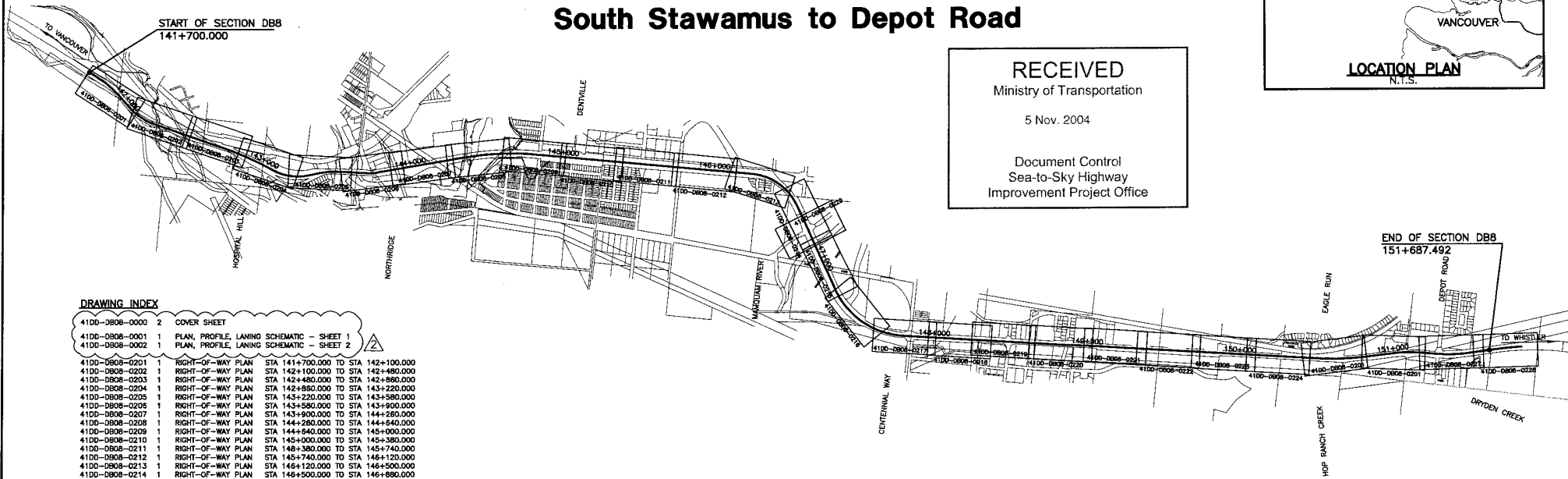
PROJECT No. 09901

Section DB8

South Stawamus to Depot Road



RECEIVED
 Ministry of Transportation
 5 Nov. 2004
 Document Control
 Sea-to-Sky Highway
 Improvement Project Office



DRAWING INDEX

41DD-DB08-0000	2	COVER SHEET
41DD-DB08-0001	1	PLAN, PROFILE, LAINING SCHEMATIC - SHEET 1
41DD-DB08-0002	1	PLAN, PROFILE, LAINING SCHEMATIC - SHEET 2
41DD-DB08-0201	1	RIGHT-OF-WAY PLAN STA 141+700.000 TO STA 142+100.000
41DD-DB08-0202	1	RIGHT-OF-WAY PLAN STA 142+100.000 TO STA 142+480.000
41DD-DB08-0203	1	RIGHT-OF-WAY PLAN STA 142+480.000 TO STA 142+860.000
41DD-DB08-0204	1	RIGHT-OF-WAY PLAN STA 142+860.000 TO STA 143+220.000
41DD-DB08-0205	1	RIGHT-OF-WAY PLAN STA 143+220.000 TO STA 143+580.000
41DD-DB08-0206	1	RIGHT-OF-WAY PLAN STA 143+580.000 TO STA 143+900.000
41DD-DB08-0207	1	RIGHT-OF-WAY PLAN STA 143+900.000 TO STA 144+260.000
41DD-DB08-0208	1	RIGHT-OF-WAY PLAN STA 144+260.000 TO STA 144+640.000
41DD-DB08-0209	1	RIGHT-OF-WAY PLAN STA 144+640.000 TO STA 145+000.000
41DD-DB08-0210	1	RIGHT-OF-WAY PLAN STA 145+000.000 TO STA 145+380.000
41DD-DB08-0211	1	RIGHT-OF-WAY PLAN STA 145+380.000 TO STA 145+740.000
41DD-DB08-0212	1	RIGHT-OF-WAY PLAN STA 145+740.000 TO STA 146+120.000
41DD-DB08-0213	1	RIGHT-OF-WAY PLAN STA 146+120.000 TO STA 146+500.000
41DD-DB08-0214	1	RIGHT-OF-WAY PLAN STA 146+500.000 TO STA 146+880.000
41DD-DB08-0215	1	RIGHT-OF-WAY PLAN STA 146+880.000 TO STA 147+260.000
41DD-DB08-0216	1	RIGHT-OF-WAY PLAN STA 147+260.000 TO STA 147+620.000
41DD-DB08-0217	1	RIGHT-OF-WAY PLAN STA 147+620.000 TO STA 148+000.000
41DD-DB08-0218	1	RIGHT-OF-WAY PLAN STA 148+000.000 TO STA 148+340.000
41DD-DB08-0219	1	RIGHT-OF-WAY PLAN STA 148+340.000 TO STA 148+640.000
41DD-DB08-0220	1	RIGHT-OF-WAY PLAN STA 148+640.000 TO STA 149+000.000
41DD-DB08-0221	1	RIGHT-OF-WAY PLAN STA 149+000.000 TO STA 149+360.000
41DD-DB08-0222	1	RIGHT-OF-WAY PLAN STA 149+360.000 TO STA 149+720.000
41DD-DB08-0223	1	RIGHT-OF-WAY PLAN STA 149+720.000 TO STA 150+080.000
41DD-DB08-0224	1	RIGHT-OF-WAY PLAN STA 150+080.000 TO STA 150+420.000
41DD-DB08-0225	1	RIGHT-OF-WAY PLAN STA 150+420.000 TO STA 150+800.000
41DD-DB08-0226	1	RIGHT-OF-WAY PLAN STA 150+800.000 TO STA 151+180.000
41DD-DB08-0227	1	RIGHT-OF-WAY PLAN STA 151+180.000 TO STA 151+400.000
41DD-DB08-0228	1	RIGHT-OF-WAY PLAN STA 151+400.000 TO STA 151+687.492
41DD-DB08-0229	0	RIGHT-OF-WAY PLAN CENTENNIAL WAY

KEY PLAN
 0 1:12,500 500

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED BY M. LACHENBREYER DATE 2004-02-25
 DRAWN BY M. BOWEN DATE 2004-02-25
 CHECKED BY S. BROWN/ST. MATHIEU DATE 2004-04-28
 APPROVED BY J. BROWN DATE 2004-04-28

SCALE AS NOTED

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

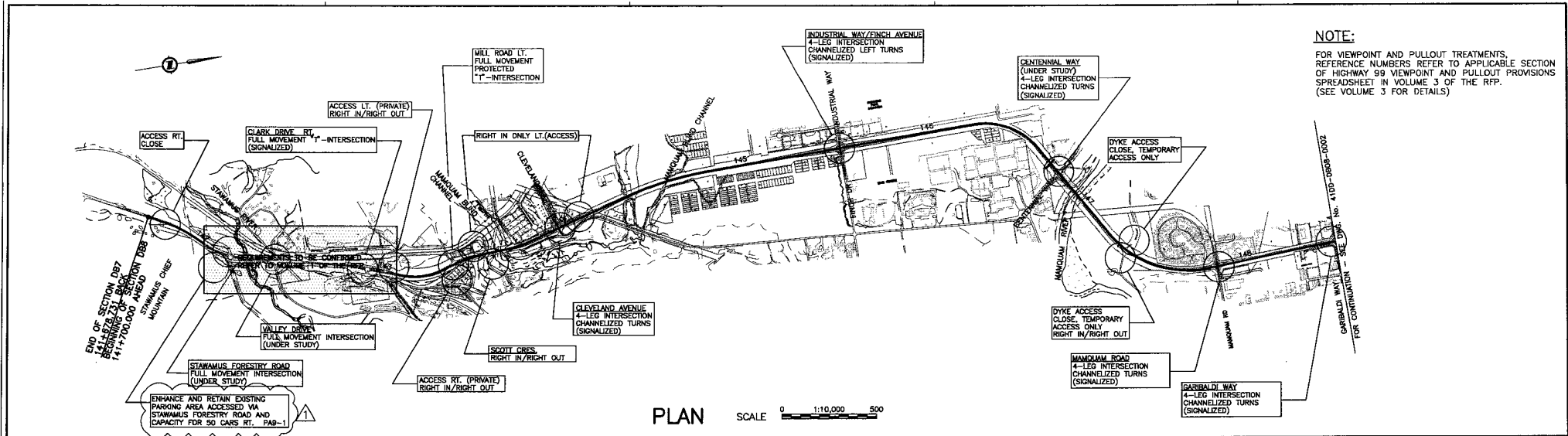
DBFO - HORSESHOE BAY TO WHISTLER
 COVER SHEET
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA 141+700.000 TO STA 151+687.492

PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ML
0	04-06-17	ISSUED FOR TENDER	ML
1	04-10-29	GENERAL REVISION	ML
2	04-11-05	GENERAL REVISION	ML

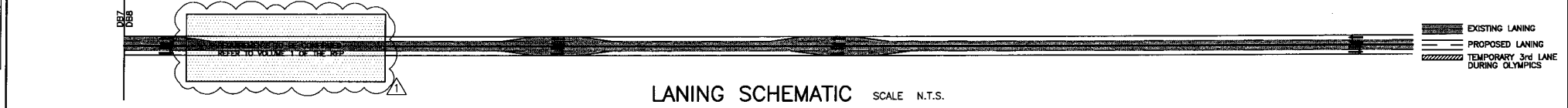
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 PROJECT NO. 09901-7005
 DRAWING NO. 41DD-DB08-0000-REV 2
 DATE 2004-11-05

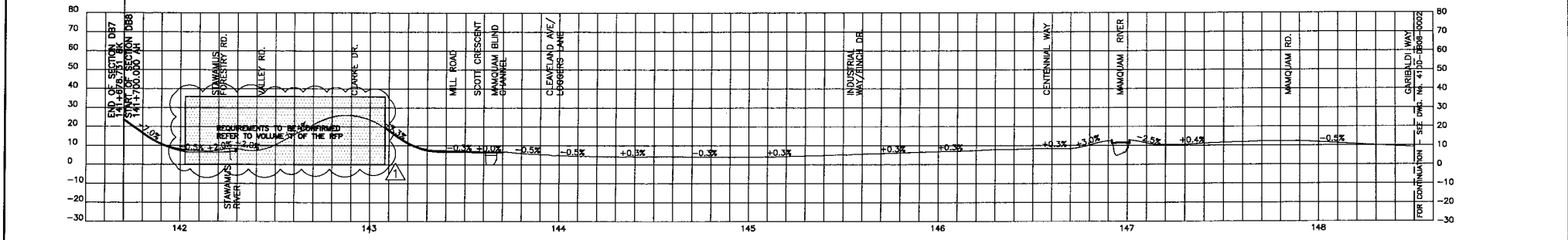


NOTE:
FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE HORIZ: 1:10,000 VERT: 1:1000 50

S:\111\11111\11111 - SNC\LAVALIN\010115 - ENCL-5-410D-DB08-0001\0002_Arct.rvt

PROFESSIONAL SEAL	DWG. No.	Description
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SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. CANADA V6E 3G9

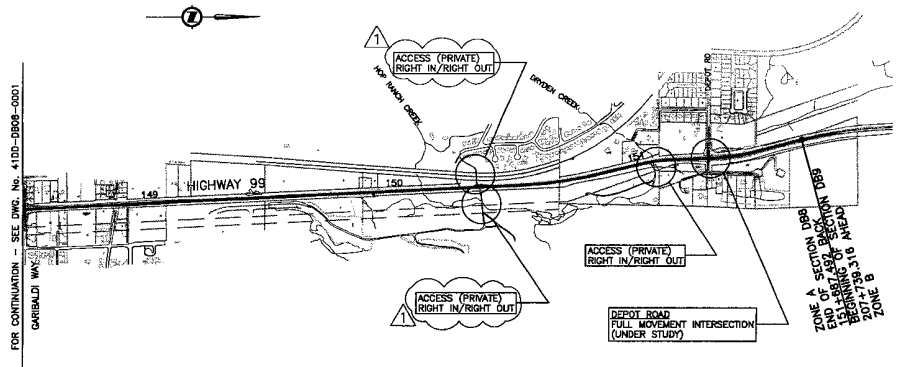
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Rev.	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	ARW
PR	04-07-00	REVISED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-11-05	GENERAL REVISION	ARW

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN, PROFILE & LANING SCHEMATIC - SHEET 1
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA 141+700.000 TO STA 148+500.000

SENIOR DESIGN ENGINEER DATE
FILE NO. PROJECT NO. REV. DRAWING NO.
016315-EN10-S 09901-7005 1 41DD-DB08-0001 1



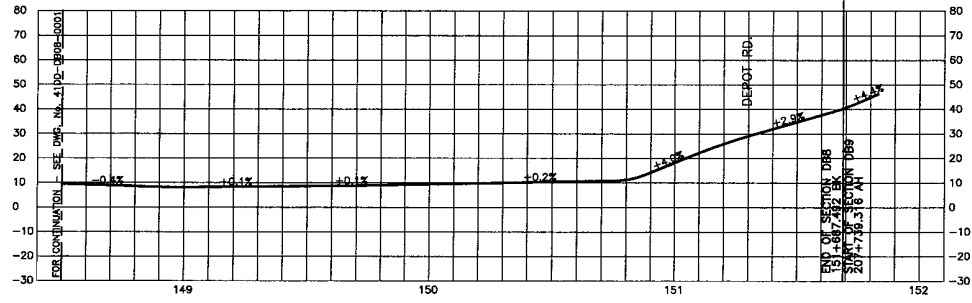
NOTE:
FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.

EXISTING LANING
PROPOSED LANING
TEMPORARY 3rd LANE DURING OLYMPICS



PROFILE SCALE 0 HORIZ 1:10,000 500 0 VERT 1:1000 50

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DESIGNED BY: DATE 2004-02-22
DRAWN BY: M. DECKY G. LAM DATE 2004-02-22
CHECKED BY: S. BUCHHEIM DATE 2004-02-22
APPROVED BY: J. BISHOP DATE 2005-02-22

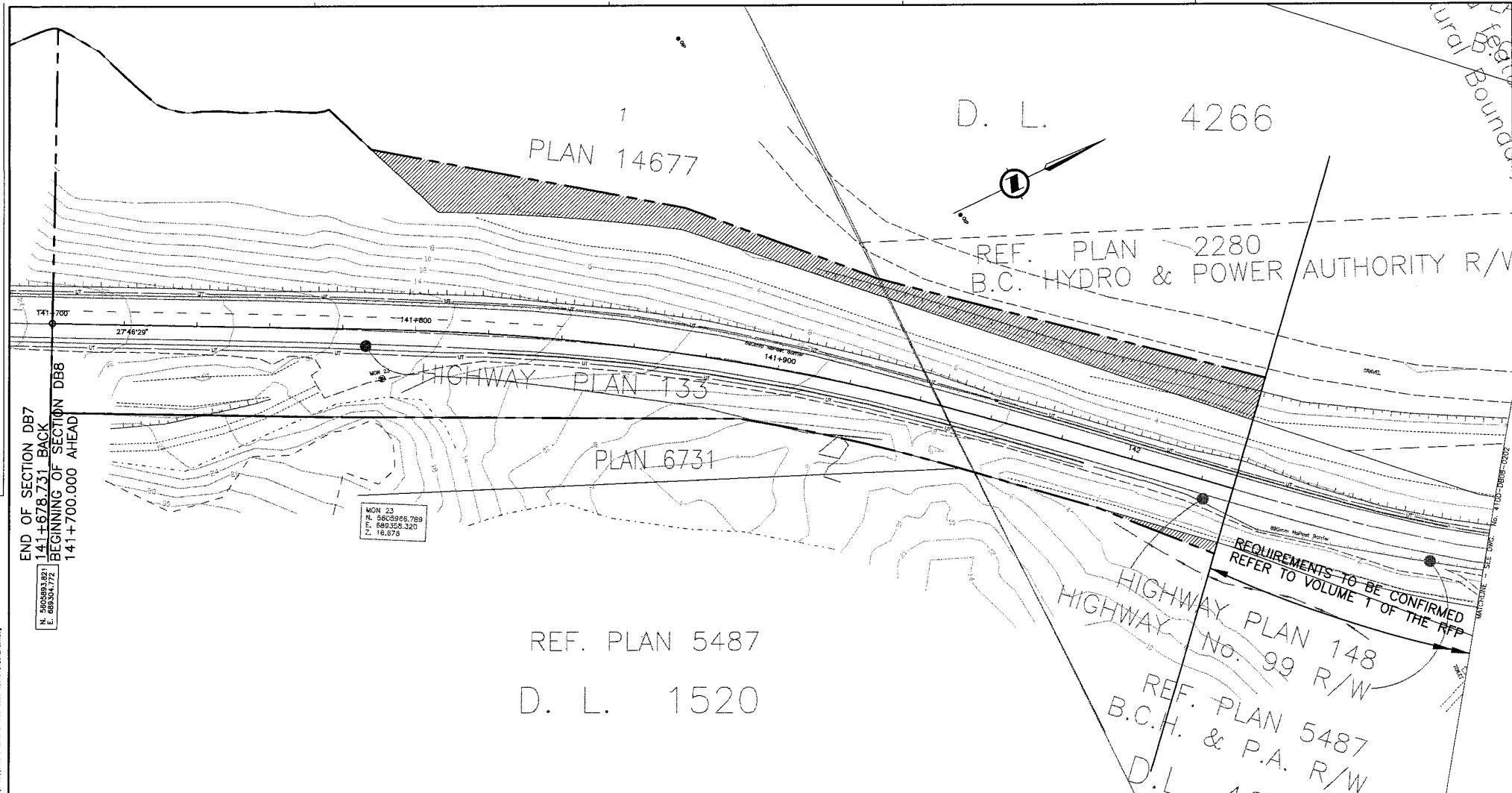
DBFO -- HORSESHOE BAY TO WHISTLER
PLAN, PROFILE & LANING SCHEMATIC - SHEET 2
SECTION DBS
SOUTH STAWAMUS TO DEPOT ROAD
STA 148+500.000 TO STA 151+687.492(207+739.316)

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-DB08-0103	NEKEA - PRELIMINARY DESIGN - PLAN	PR	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
			PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	AW
			0	04-08-17	ISSUED FOR TENDER	AW
			1	04-11-05	GENERAL REVISION	AW

Rev	Date	Description	Signature
PR	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW
1	04-11-05	GENERAL REVISION	AW

SENIOR DESIGN ENGINEER DATE
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END OF SECTION DB7
141+678.731 BACK
BEGINNING OF SECTION DB8
141+700.000 AHEAD

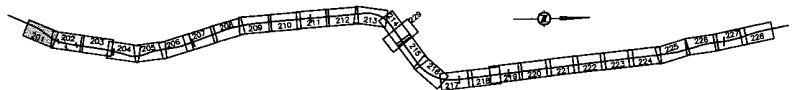
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E. 688355.320
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N. 5863956.789
E. 688355.320
1:18.87%

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

----- PROPOSED RIGHT-OF-WAY
----- EXISTING RIGHT-OF-WAY
////// RIGHT-OF-WAY ACQUISITION



REF. PLAN 5487
D. L. 1520

D. L. 4266

REF. PLAN 2280
B.C. HYDRO & POWER AUTHORITY R/W

REQUIREMENTS TO BE CONFIRMED
REFER TO VOLUME 1 OF THE RFP

HIGHWAY PLAN 148
No. 99 R/W

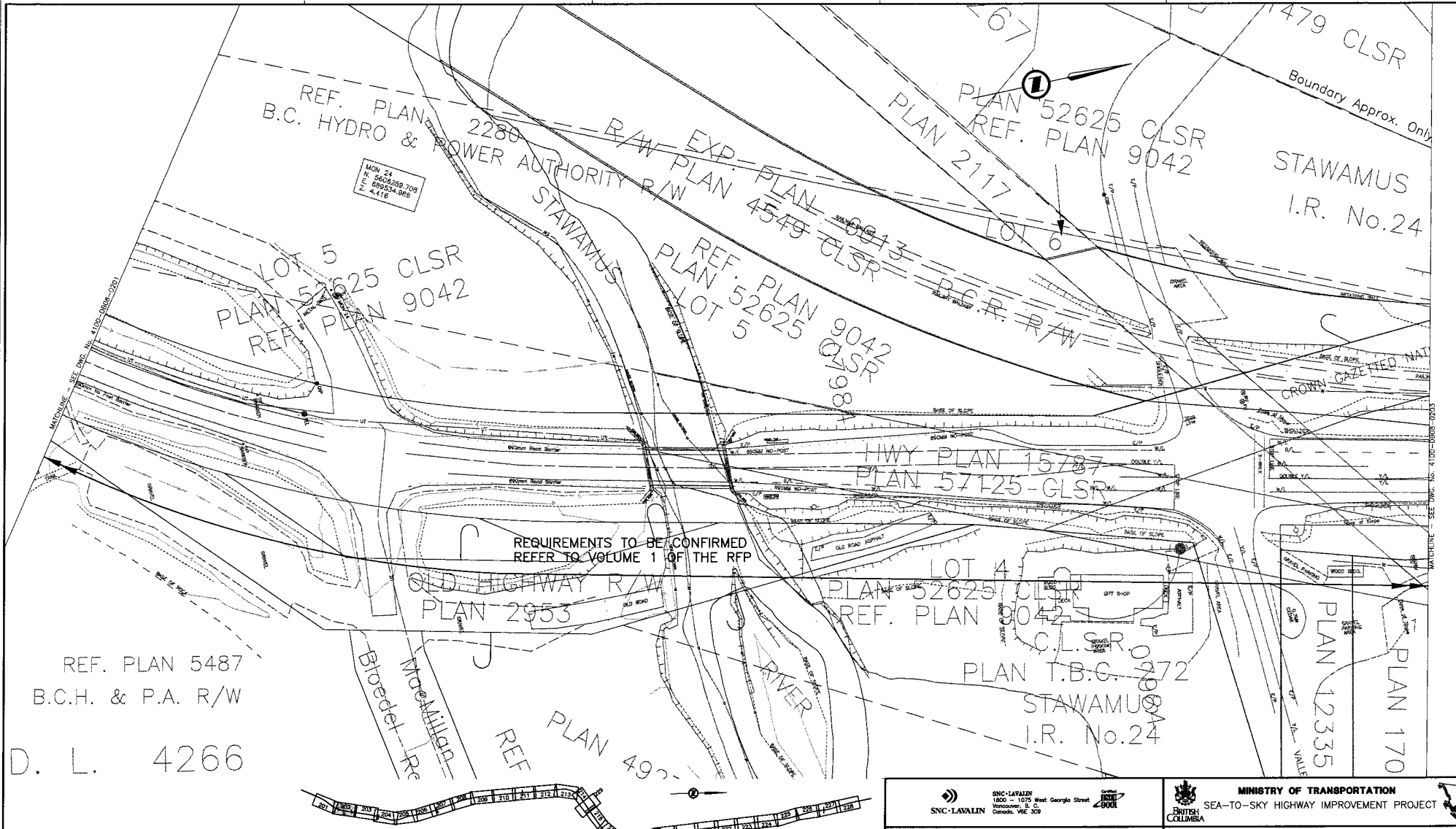
REF. PLAN 5487
& P.A. R/W

D.L. 1520

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C3		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT																							
DESIGNED: ARW/LL DATE: 2004-04-01 DRAWN: C.H. LEONER DATE: 2004-04-02 CHECKED: S. MOSE/G. MORNICO DATE: 2004-04-21 APPROVED: T. TASHKA DATE: 2004-04-29		DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB8 SOUTH STAWAMUS TO DEPOT ROAD STA. 141+700.000 TO STA. 142+100.000																							
SCALE 0 1:500 25		SENIOR DESIGN ENGINEER _____ DATE _____ FILE NO. PROJECT No. REV. DRAWING No. 016315-EN10-S 09901-7005 1 41DD-DB08-0201 1																							
KEY PLAN		REVISIONS																							
PROFESSIONAL SEAL	<table border="1"> <thead> <tr> <th>OWG. No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A100-PE08-0103</td> <td>MEEA - PRELIMINARY DESIGN - PLAN</td> </tr> <tr> <td>A100-PE08-0003</td> <td>BNINE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. FB</td> </tr> </tbody> </table>	OWG. No.	Description	A100-PE08-0103	MEEA - PRELIMINARY DESIGN - PLAN	A100-PE08-0003	BNINE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. FB	<table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04-04-02</td> <td>ISSUED FOR REQUEST FOR PROPOSAL</td> <td>ARW</td> </tr> <tr> <td>D</td> <td>04-08-11</td> <td>ISSUED FOR TENDER</td> <td>ARW</td> </tr> <tr> <td>1</td> <td>04-10-29</td> <td>REFINEMENT OF PROPOSED RIGHT-OF-WAY</td> <td>ARW</td> </tr> </tbody> </table>	Rev.	Date	Description	Signature	PA	04-04-02	ISSUED FOR REQUEST FOR PROPOSAL	ARW	D	04-08-11	ISSUED FOR TENDER	ARW	1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW	
OWG. No.	Description																								
A100-PE08-0103	MEEA - PRELIMINARY DESIGN - PLAN																								
A100-PE08-0003	BNINE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. FB																								
Rev.	Date	Description	Signature																						
PA	04-04-02	ISSUED FOR REQUEST FOR PROPOSAL	ARW																						
D	04-08-11	ISSUED FOR TENDER	ARW																						
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW																						

REFERENCE DRAWINGS

REVISIONS



REQUIREMENTS TO BE CONFIRMED
REFER TO VOLUME 1 OF THE RFP

REF. PLAN 5487
B.C.H. & P.A. R/W
D. L. 4266

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41D0-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1,000,408,116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41D0-P008-0104	NOEA - PRELIMINARY DESIGN - PLAN
	41D0-P008-3004	BNWE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6Z 3G9

DESIGNED A.R.M./L.L. DATE 2004-04-01
DRAWN C.J. LEONAR DATE 2004-04-02
CHECKED S. WONG/D.L. MADRISOAL DATE 2004-04-21
APPROVED J. TASSARA DATE 2004-04-28

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PREPROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-28	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REVISIONS

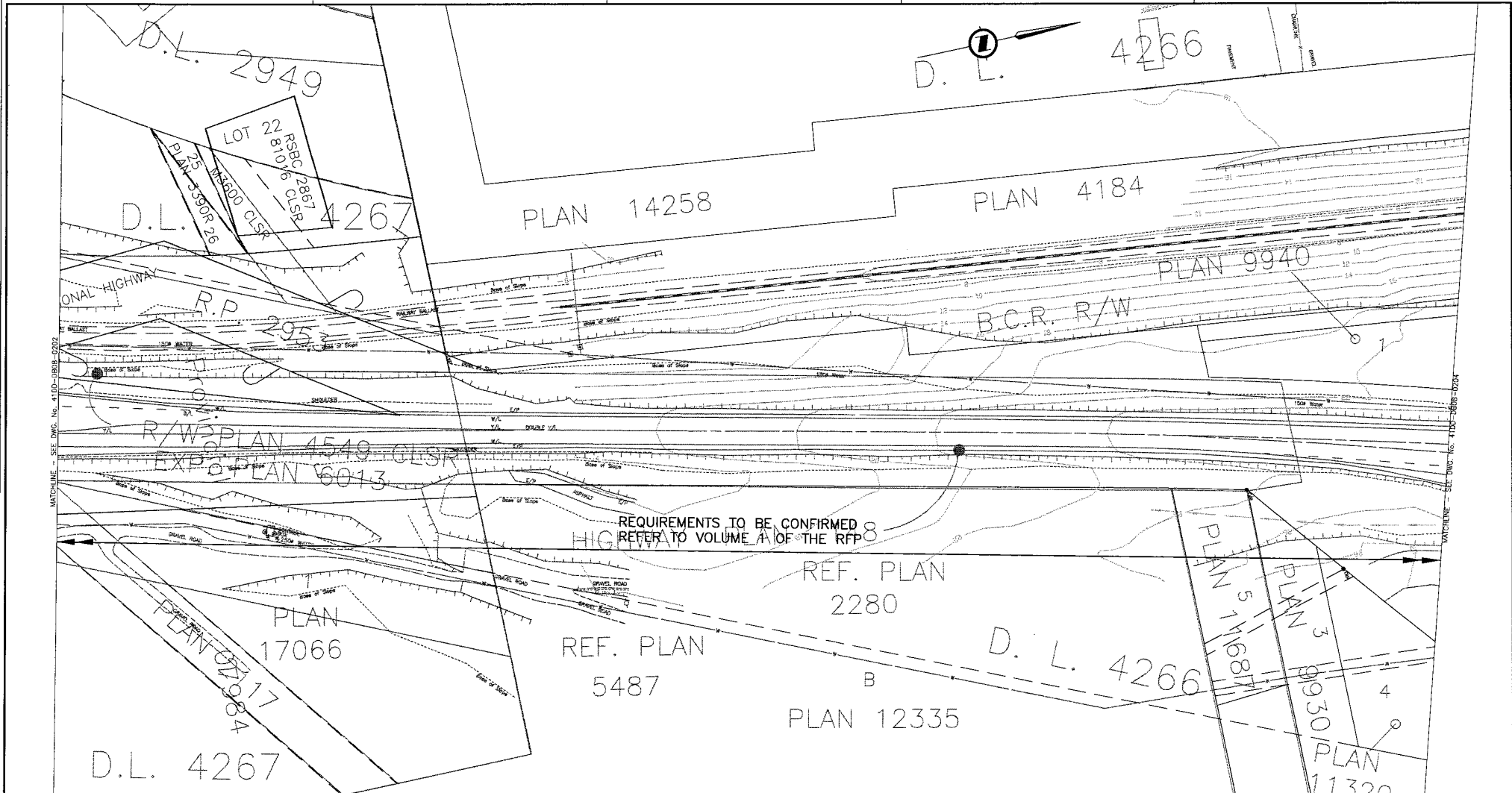
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION 08B
SOUTH STAWAMUS TO DEPOT ROAD
STA. 142+100.000 TO STA. 142+480.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No. PROJECT No. REC. DRAWING No.
016315-EN10-S 09901-7005 1 41D0-DB08-0202 | 1

DATE: 2004/04/28 11:52 AM BY: J. TASSARA - Proj: 09901-7005-1-41D0-DB08-0202-1.dwg



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND
 --- PROPOSED RIGHT-OF-WAY
 --- EXISTING RIGHT-OF-WAY
 [Hatched Box] RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWC No.	Description
	4100-P008-0103	MULEA - PRELIMINARY DESIGN - PLAN
	4100-P008-3005	BINNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PR

Rev	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW
1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AW

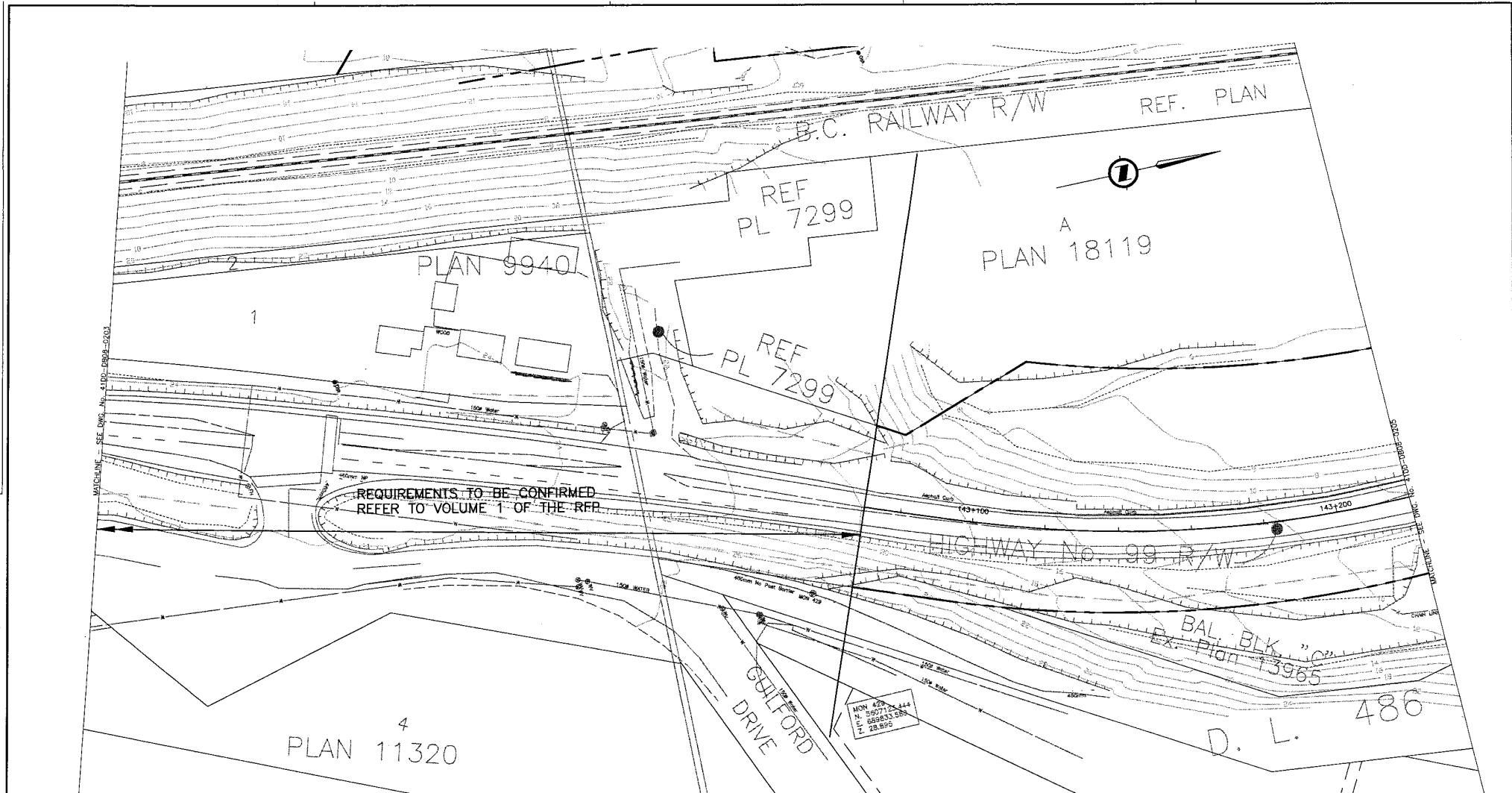
SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C8

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 142+480.000 TO STA. 142+860.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	4100-DB08-0203

DATE: 2004/04/23 11:43 AM
 DRAWN BY: C.M. LEONAR
 CHECKED BY: S. MONG/5. McNEILL
 APPROVED BY: J. TASAKI
 PROJECT No.: 09901-7005
 DRAWING No.: 4100-DB08-0203



REQUIREMENTS TO BE CONFIRMED
REFER TO VOLUME 1 OF THE RFP

MON 420
N. 9697124.444
E. 589633.386
Z. 28.894

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PO08-0106	NESEA - PRELIMINARY DESIGN - PLAN
	41DD-PO08-2006	SWINE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. FB

SNC-LAVALIN
1800 - 4075 West Georgia Street
Vancouver, B.C.
Canada, V6E 2B9

DESIGNED ABE/ML DATE 2004-04-01
DRAWN G.H. LEONARD DATE 2004-04-02
CHECKED B. WONG/S. MURPHY DATE 2004-04-22
APPROVED J. SISKIWA DATE 2004-04-28

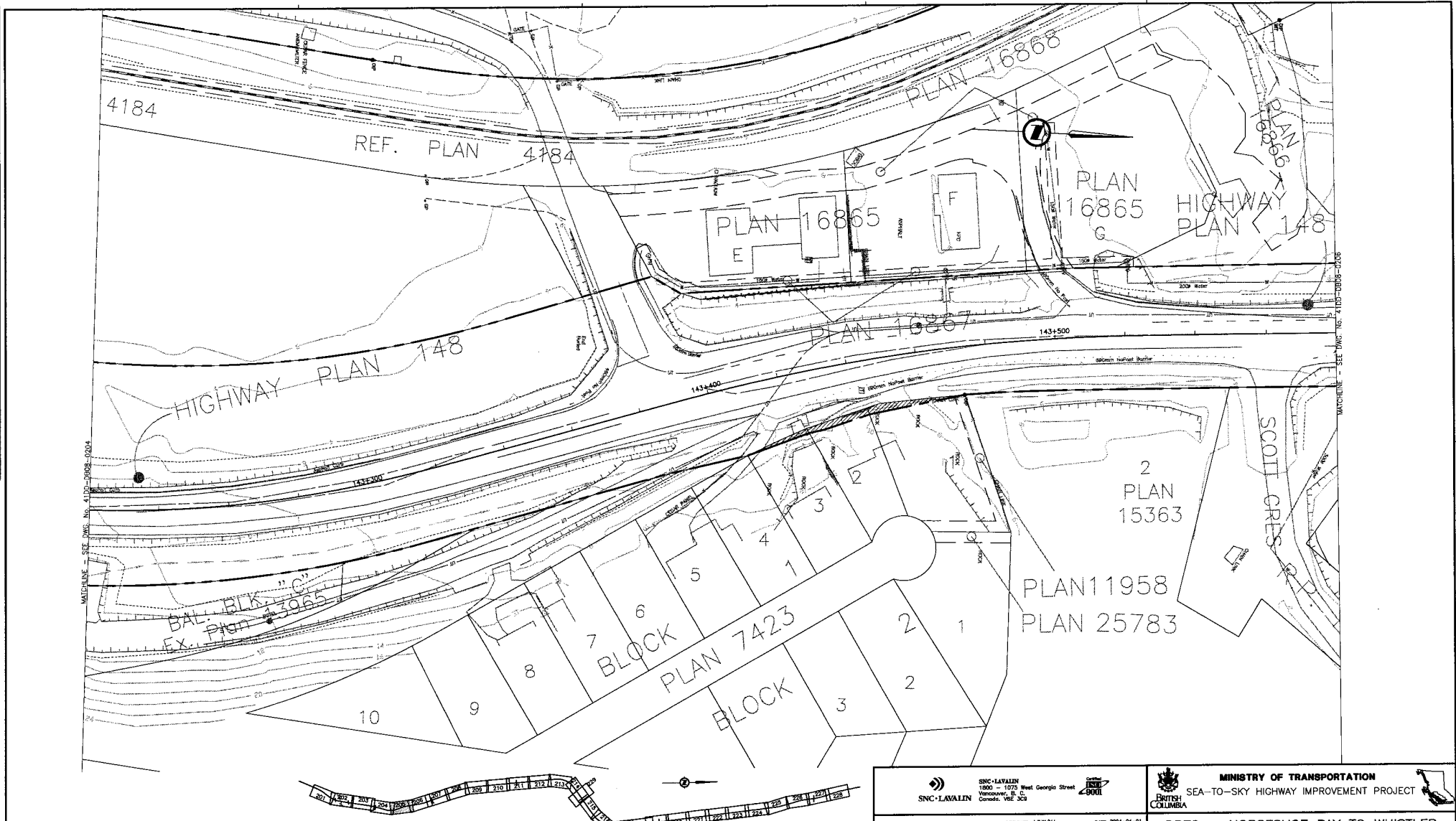
Rev	Date	Description	Signature
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S	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-25	RETINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

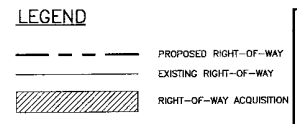
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DBB
SOUTH STAWAMUS TO DEPOT ROAD
STA. 142+860.000 TO STA. 143+220.000

FILE No.	PROJECT No.	REL.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0204 1

DATE: 2004/04/28 11:58 AM BY: J. SISKIWA - Proj/ENR/18119/0106 - Proj/ENR/18119/0106 - 2004/04/28 11:58 AM



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	4100-P008-0107	NOEA - PRELIMINARY DESIGN - PLAN
	4100-P008-0007	ENRLE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REVISIONS

Rev	Date	Description	Signature
FR	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW
1	04-15-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

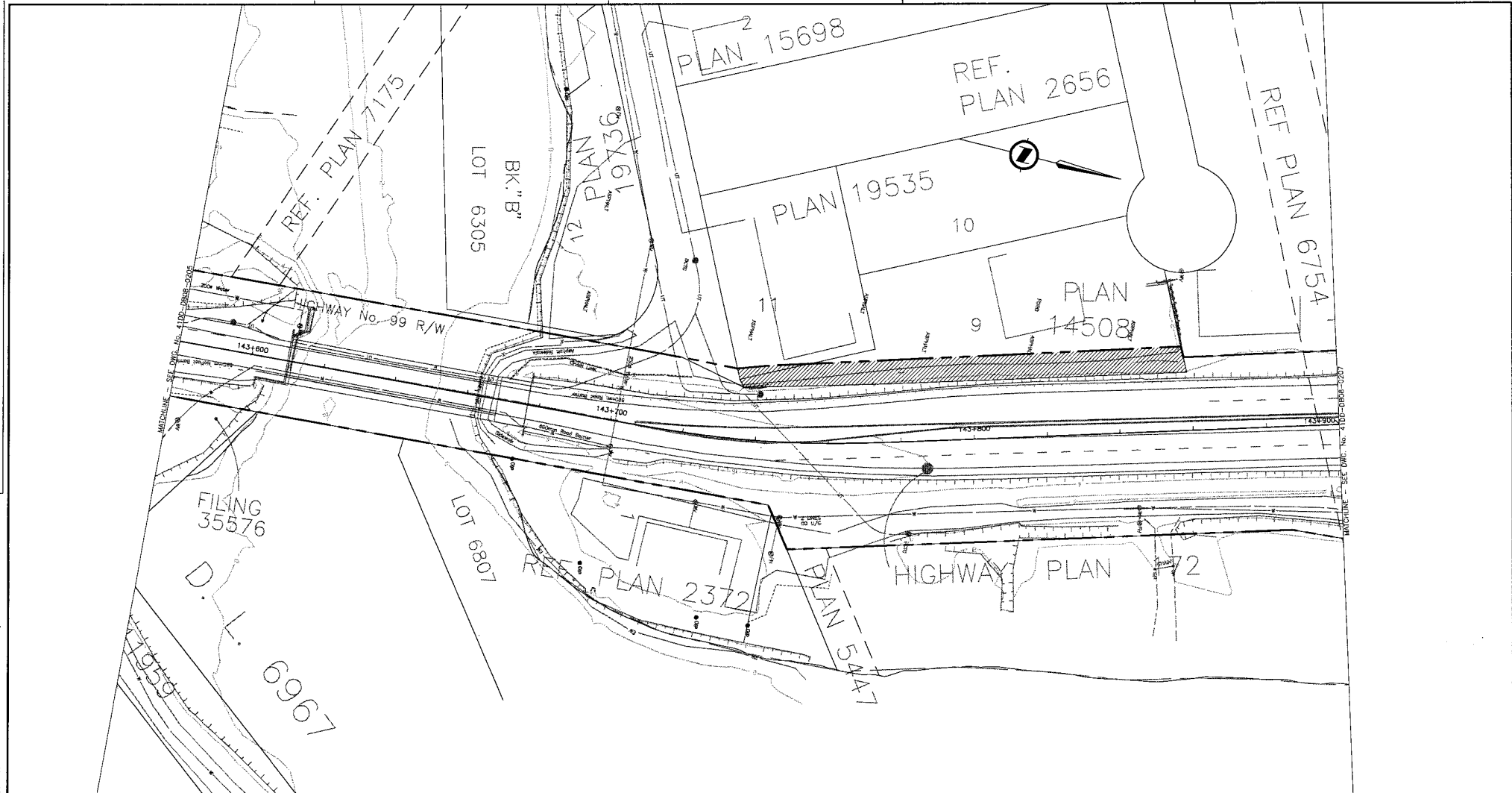
SNC-LAVALIN
 1900 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6Z 2G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

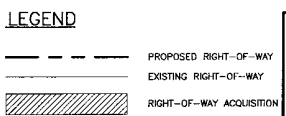
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 143+220.000 TO STA. 143+580.000

SENIOR DESIGN ENGINEER: [Signature] DATE: []
 FILE No.: 016315-EN10-S PROJECT No.: 09901-7005 1 REG. DRAWING No.: 41DD-DB08-0205 1

DATE: 2004/07/25 3:45pm
 DRAWN BY: SLS
 CHECKED BY: SLS
 APPROVED BY: TOSKVA



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB08-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PO08-0108	MOEA - PRELIMINARY DESIGN - PLAN
	4100-PO08-3008	EBNNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. P8

SNC-LAVALIN
 1800 - 4075 West Georgia Street
 Vancouver, B.C. V6C 3C3
 2000

DESIGNED: ABE/MLL DATE: 2004-04-01
 DRAWN: SJA/LEZOR DATE: 2004-04-02
 CHECKED: S. WONG/S. MATHIASAL DATE: 2004-04-22
 APPROVED: J. TASSOIA DATE: 2004-04-28

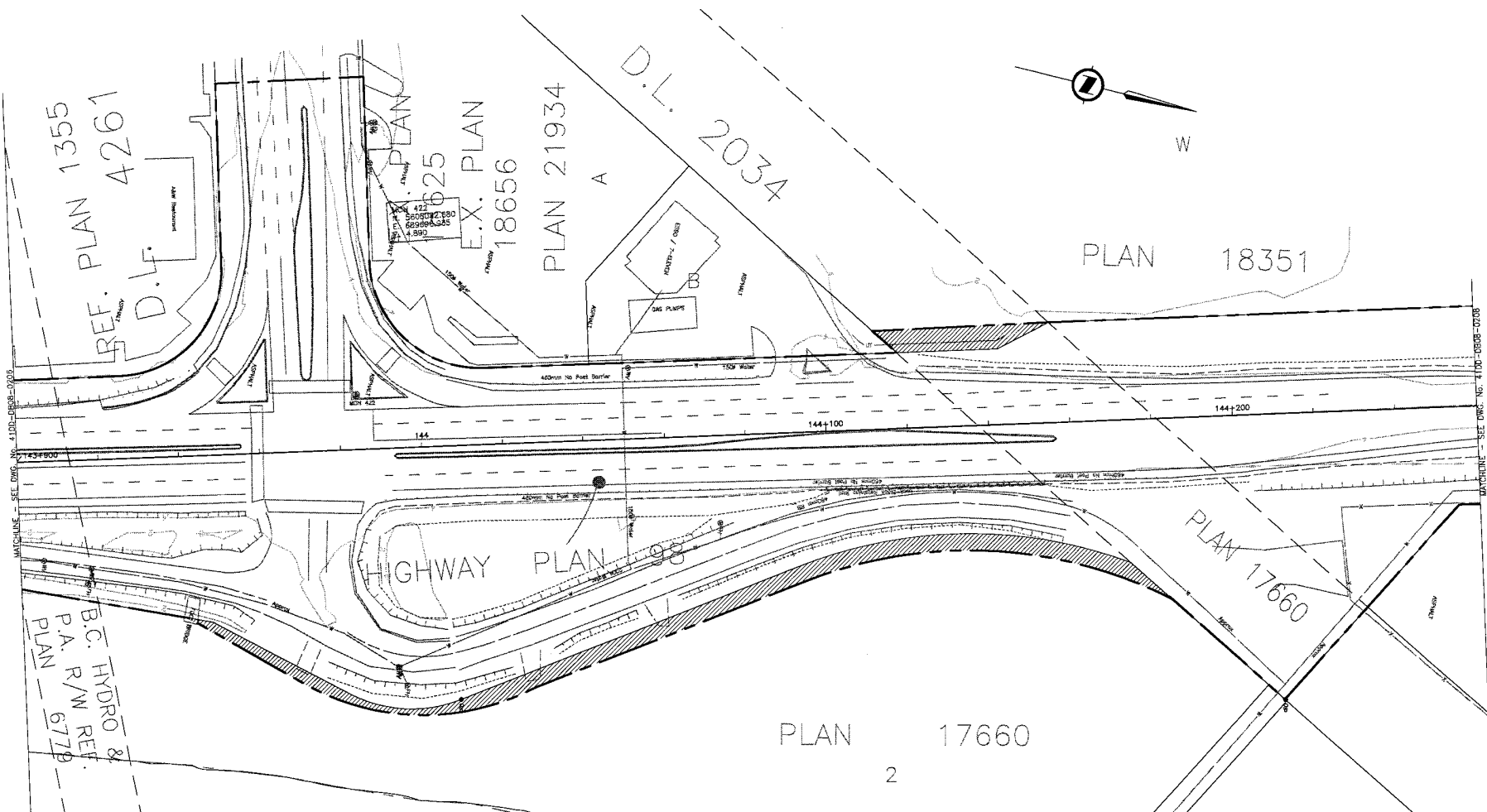
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MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 143+580.000 TO STA. 143+900.000

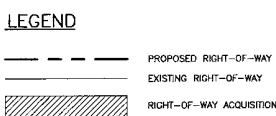
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DATE: 2004/04/29 11:34 AM DRAWN BY: SJA/LEZOR CHECKED BY: S. WONG/S. MATHIASAL APPROVED BY: J. TASSOIA



DATE: 2004/07/29 11:34 AM
 USER: jls
 PROJECT: 016315-EN10-S
 DRAWING: 4100-DB08-0207-Rev 1

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "S1S 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "S1S 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100.000m N AND 200.000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PO08-0100	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PRELIMINARY CLEARING LIMITS
	4100-PO08-0105	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PRELIMINARY CLEARING LIMITS
	4100-PO08-3000	BRINVE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REVISIONS

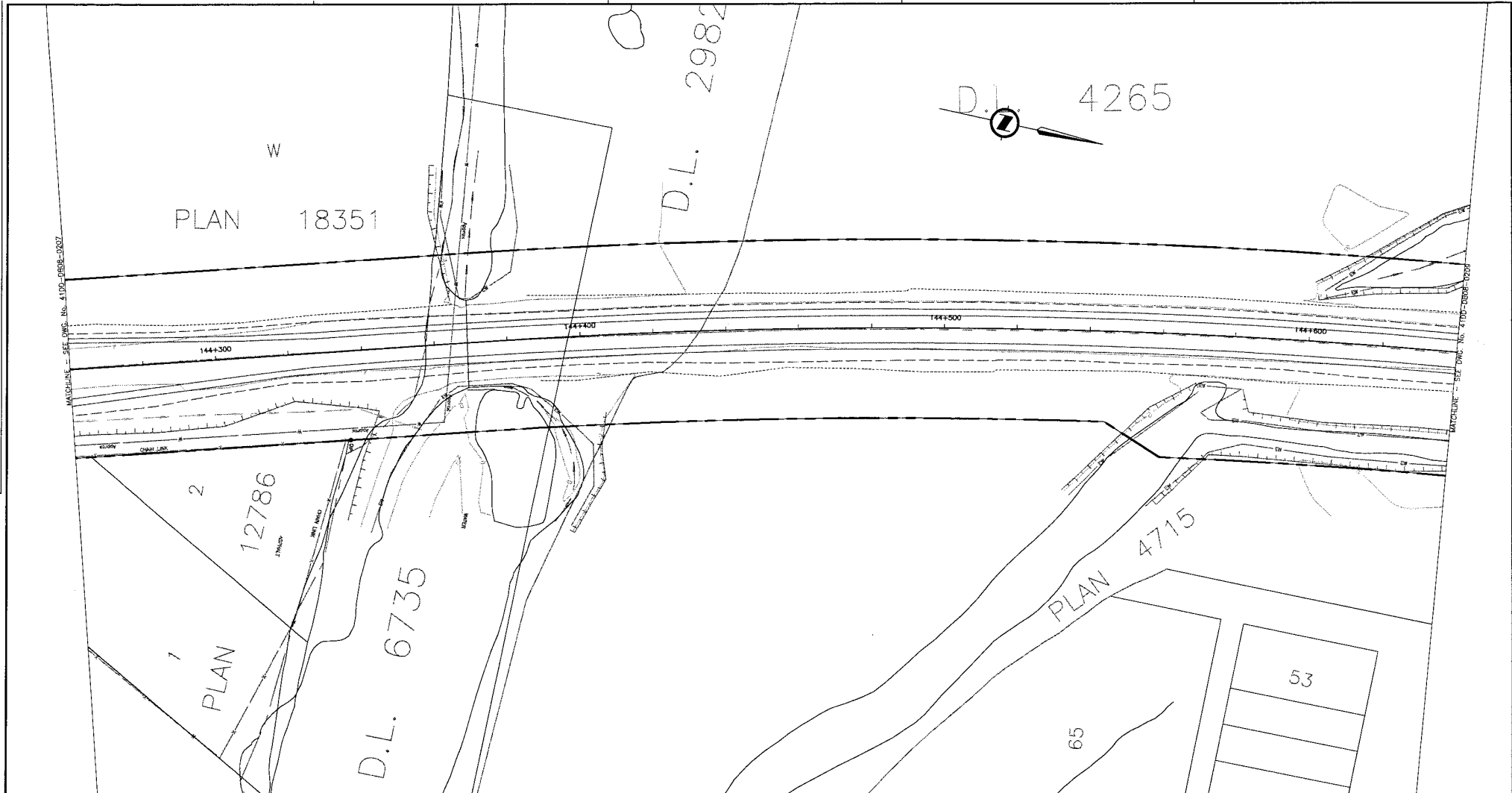
Rev	Date	Description	Signature
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G	04-08-17	ISSUED FOR TENDER	AWW
1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AWW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 2G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DBB
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 143+900.000 TO STA. 144+260.000

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	4100-DB08-0207 1



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

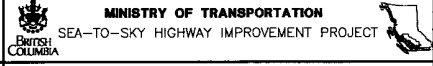
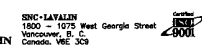
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWC No.	Description
	4100-P008-0110	MOLEA - PRELIMINARY DESIGN - PLAN
	4100-P008-3010	BUNNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW



DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 144+260.000 TO STA. 144+640.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
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DATE: 2004-04-23 11:54 AM
 FILE: C:\Users\j151\My Documents\Projects\STS2002\4100-DB08-0208.dwg
 USER: j151

D.L. 4265

D. L. 760

5

PLAN 4715

PLAN 15390

HIGHWAY PLAN 98

MON 434
N. 8608890.875
E. 882650.508
Z. 4261

PLAN 4715

PLAN 15390

PLAN 4765

D. L. 760

52

27

26

1

52

27

26

BLOCK 7



KEY PLAN

NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- /// RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-PROB-0111	NOLA - PRELIMINARY DESIGN - PLAN	PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	ARW
	4100-PROB-3011	BANNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	S	04-08-17	ISSUED FOR TENDER	ARW
			1	04-10-28	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6C 3C9

DESIGNED: ARW/ML DATE: 2004-04-01
DRAWN: S.H. LEONOR DATE: 2004-04-02
CHECKED: S. BOWEN/ML DATE: 2004-04-22
APPROVED: J. TAMURA DATE: 2004-04-28

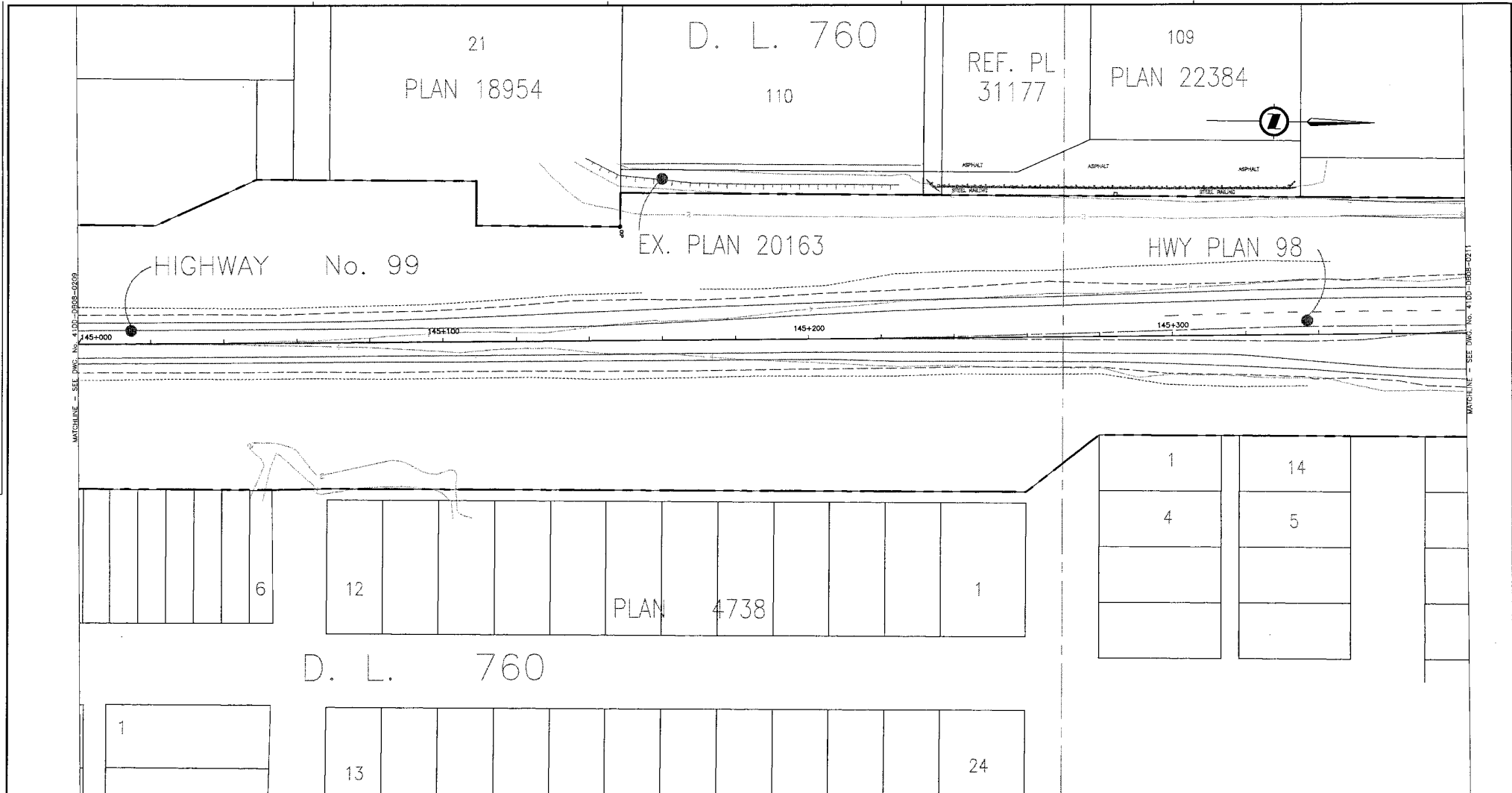
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
BRITISH COLUMBIA

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DBB
SOUTH STAWAMUS TO DEPOT ROAD
STA. 144+640.000 TO STA. 145+000.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0209 1

DATE: 2004/04/28 10:52 AM BY: J. TAMURA - Proj:\proj\4100-DB00-0005\4100-DB00-0209\dwg\0209_Rev.dwg

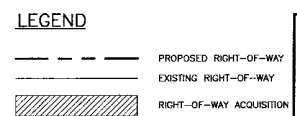
MATCHLINE - SEE DWG. NO. 4100-DB08-0010



MATCHLINE - SEE DWG. No. 41DD-DB08-0210

MATCHLINE - SEE DWG. No. 41DD-DB08-0211

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "SIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-DB08-0112	NOEA - PRELIMINARY DESIGN - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
	41DD-DB08-3012	BNKE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	0	04-08-17	ISSUED FOR TENDER	AW
			1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	AW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6Z 2G9

DESIGNED: ABE/WLL DATE: 2004-04-01
 DRAWN: S.H. LEONARD DATE: 2004-04-02
 CHECKED: B. MOISE/S. MATHIOLU DATE: 2004-01-23
 APPROVED: J. TISSERA DATE: 2004-04-29

SCALE: 0 1:500 25

REFERENCE DRAWINGS

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DBB
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 145+000.000 TO STA. 145+380.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REV.	DRAWING No.
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DATE: 2004/07/29 10:51 AM BY: SCA/AT - CAD/AD - DWG/PLOT - P:\SNC\LAVALIN\1800-1075-1800-202\1800-202\1800-202-0210.dwg

REM. 96
PLAN 20132

120
PLAN 25860

93
PLAN 20132

D. L. 1305



118
LMP 565

MON: 423
N: 689571.295
E: 689525.925
Z: 4.988

PLAN 22896

MATCHLINE - SEE DWG. No. 41DD-DB08-0210

MATCHLINE - SEE DWG. No. 41DD-DB08-0212

145+400

145+500

145+600

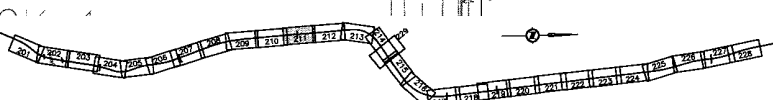
145+700

15	36	37
12	13	20
11	14	19
10	15	18
9	16	17

PLAN 4375

LMP 51641

D. L. 1305



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM" - ZONE "A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM" - ZONE "A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.00048116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

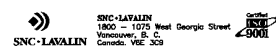
LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

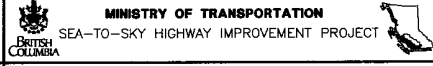
KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-P008-0113	MOEA - PRELIMINARY DESIGN - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
	41DD-P008-3013	BMNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	S	04-08-17	ISSUED FOR TENDER	ARW
			1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS



SCALE 0 1:500 25
DESIGNED: ABE/ALL DATE: 2004-04-01
DRAWN: C.H. LEONARD DATE: 2004-04-02
CHECKED: R. WONG/S. MATHCOO DATE: 2004-04-22
APPROVED: J. TESSERA DATE: 2004-04-28



DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 145+380.000 TO STA. 145+740.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB08-0211 1

DWT: 2004/04/02 15:47:29 - 41DD-DB08-0211 - 41DD-DB08-0210 (0211) (0212) (0213) (0214) (0215) (0216) (0217) (0218) (0219) (0220) (0221) (0222) (0223) (0224) (0225) (0226) (0227) (0228) (0229) (0230) (0231) (0232) (0233) (0234) (0235) (0236) (0237) (0238) (0239) (0240) (0241) (0242) (0243) (0244) (0245) (0246) (0247) (0248) (0249) (0250) (0251) (0252) (0253) (0254) (0255) (0256) (0257) (0258) (0259) (0260) (0261) (0262) (0263) (0264) (0265) (0266) (0267) (0268) (0269) (0270) (0271) (0272) (0273) (0274) (0275) (0276) (0277) (0278) (0279) (0280) (0281) (0282) (0283) (0284) (0285) (0286) (0287) (0288) (0289) (0290) (0291) (0292) (0293) (0294) (0295) (0296) (0297) (0298) (0299) (0300)

N. E. 1/4 SEC 3 TP. 50

119
LMP 565

40
PLAN 18954



PLAN 22896

HWY PLAN 98

145+800

145+900

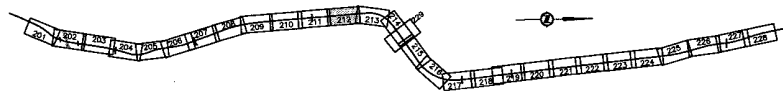
146

146+100

REM. E 1/2 SEC. 3

2

PLAN 14031



NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-0000-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

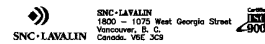
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

KEY PLAN

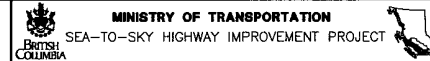
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	4100-P008-0014	NOEA - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	D	04-08-17	ISSUED FOR TENDER	ARW
			1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS

REVISIONS



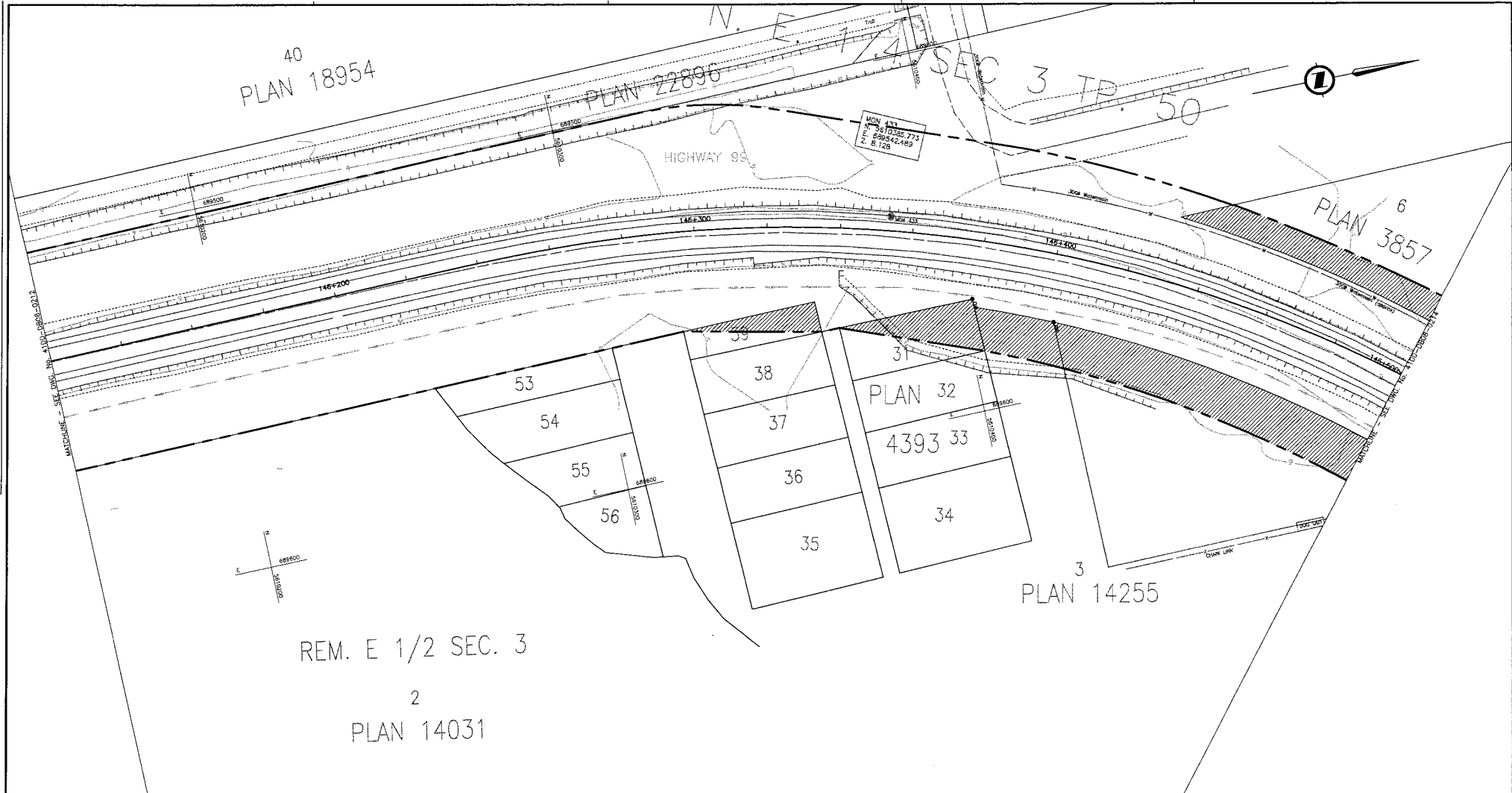
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DESIGNED: ARW/MAL DATE: 2004-04-01
DRAWN: C.H. LEITCH DATE: 2004-04-02
CHECKED: R. WONG/D. MARRIOTT DATE: 2004-01-22
APPROVED: J. ISAWA DATE: 2004-01-22



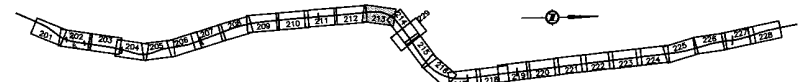
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 145+740.000 TO STA. 146+120.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB08-0212 1

016315-EN10-S-09901-7005-41DD-DB08-0212-1.dwg
 2004-04-02 10:00:00
 C:\Users\jleitch\Documents\41DD-DB08-0212-1.dwg



REM. E 1/2 SEC. 3
2
PLAN 14031



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWC No.	Description
	4100-P008-0115	NOEA - PRELIMINARY DESIGN - PLAN
	4100-P008-3015	BNNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. P8

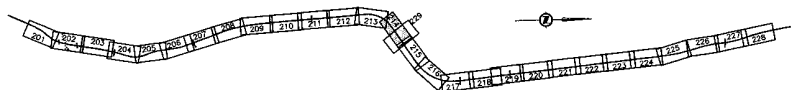
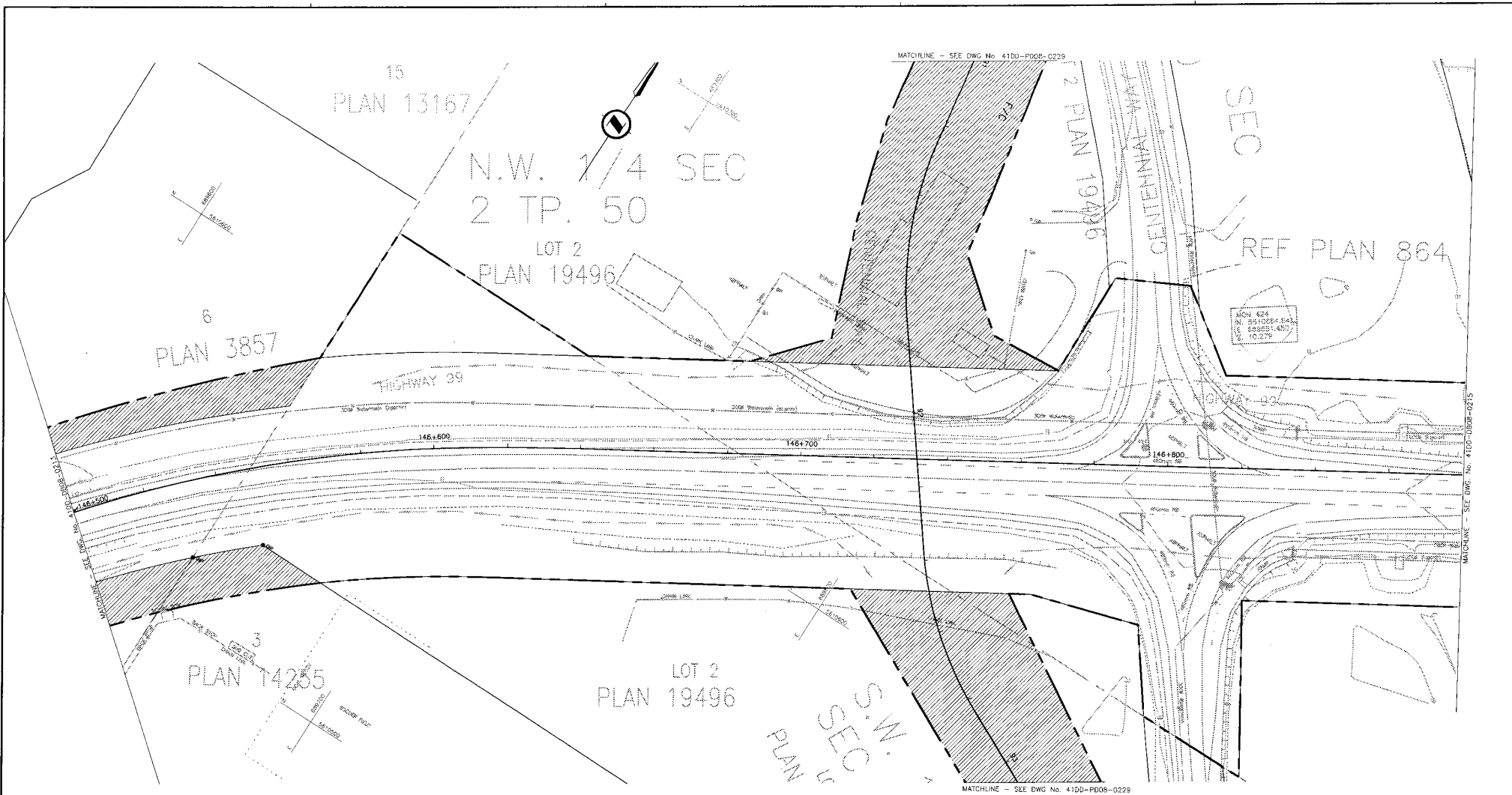
SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C3		DESIGNED: ABE/MAL DATE: 2004-04-01 DRAWN: CH/LEONOR DATE: 2004-01-02 CHECKED: H. WONG/S. MATHIOLU DATE: 2004-04-23 APPROVED: J. TAYLOR DATE: 2004-04-26	
SCALE	0	1:500	25
Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	REPLACEMENT OF PROPOSED RIGHT-OF-WAY	ARW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 146+120.000 TO STA. 146+500.000

FILE No.	PROJECT No.	REG.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0213 1

DATE: 2004-04-26 10:54 AM
 FILE: 41DD-DB08-0213
 DRAWING: 0213



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100.000m N AND 200.000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P008-0116	NOEA - PRELIMINARY DESIGN - PLAN
	41DD-P008-1016	BRNVE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. P8

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED: A.P./M.L. DATE: 2004-04-01
 DRAWN: C.H. LEONOR DATE: 2004-04-01
 CHECKED: R. BROWN/CL. MATHIAS DATE: 2004-04-21
 APPROVED: T. TSENG DATE: 2004-04-29

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	afw
0	04-08-17	ISSUED FOR TENDER	afw
1	04-10-28	REFINEMENT OF PROPOSED RIGHT-OF-WAY	afw

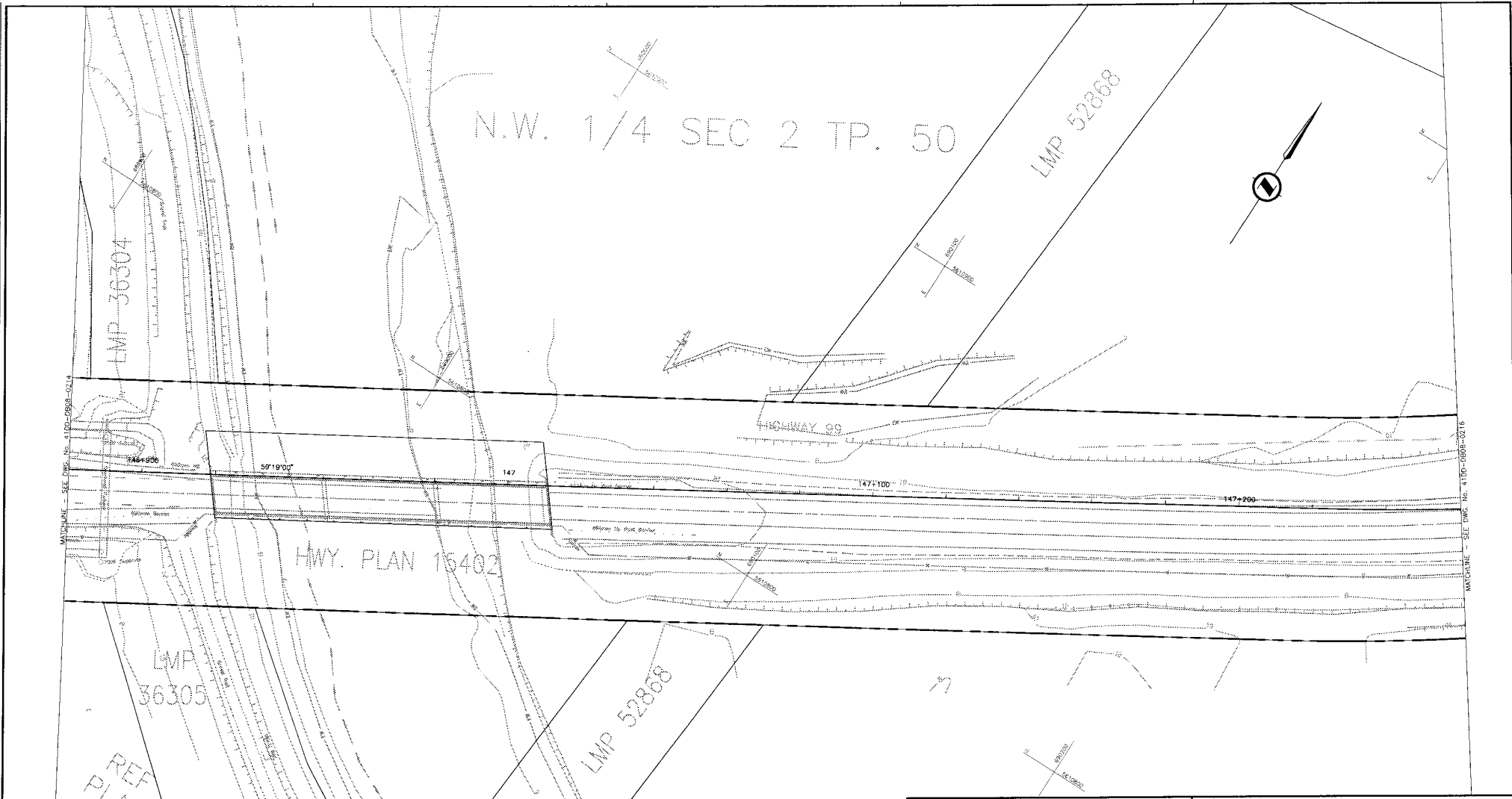
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DBB
 SOUTH STIAWAMUS TO DEPOT ROAD
 STA. 146+500.000 TO STA. 146+880.000

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0214	1

DATE: 2004/07/29 - 1:30pm To: SNC-LAVALIN - Civil/DB - Draw/DB/15/0115-1010-5-100-0008-0214/0215 - Rev. 001
 DRAWN: C.H. LEONOR
 CHECKED: R. BROWN/CL. MATHIAS
 APPROVED: T. TSENG



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PO08-0117	NOEA - PRELIMINARY DESIGN - PLAN
	4100-PO08-2017	NOEA - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 STS 2002	
DESIGNED A.S.B./M.L. DATE 2004-04-01 DRAWN C.H. LEONARD DATE 2004-04-02 CHECKED R. BOHLEN, G. MACKENNA DATE 2004-04-23 APPROVED T. BISHOP DATE 2004-04-29		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
SCALE 0 1:500 25		DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB8 SOUTH STAWAMUS TO DEPOT ROAD STA. 146+880.000 TO STA. 147+260.000	
Rev	Date	Description	Signature
0	04-08-12	ISSUED FOR TENDER	ATE
1	04-10-12	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ATE

SENIOR DESIGN ENGINEER FILE NO. 016315-EN10-S PROJECT NO. 09901-7005 REV. 1 DATE		DRAWING NO. 4100-DB08-0215 1	
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N.W. 1/4 SEC 2 TP. 50

LOT 2
PLAN 13367

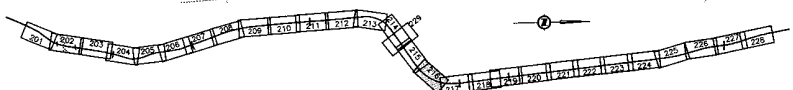
LMP 36304



HIGHWAY 99

PLAN 12475

EX. PLAN 11837



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-PO08-0116	NEEA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	AW
	4100-PO08-3018	BRNLE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3Z9		 9001	
DESIGNED: ARW/ML DATE: 2004-04-01 DRAWN: C.H. LEONARD DATE: 2004-04-02 CHECKED: B. WONG/D. MANSOUR DATE: 2004-04-23 APPROVED: J. SAGROO DATE: 2005-04-21		SCALE 0 1:500 25	
REFERENCE DRAWINGS		REVISIONS	

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 147+260.000 TO STA. 147+620.000

SENIOR DESIGN ENGINEER: _____ DATE: _____
FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 RES: 1 DRAWING NO.: 41DD-DB08-0216 1

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 J. SAGROO
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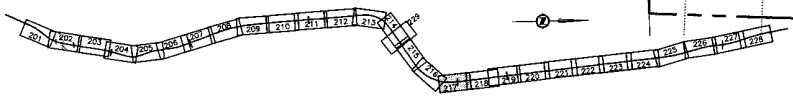
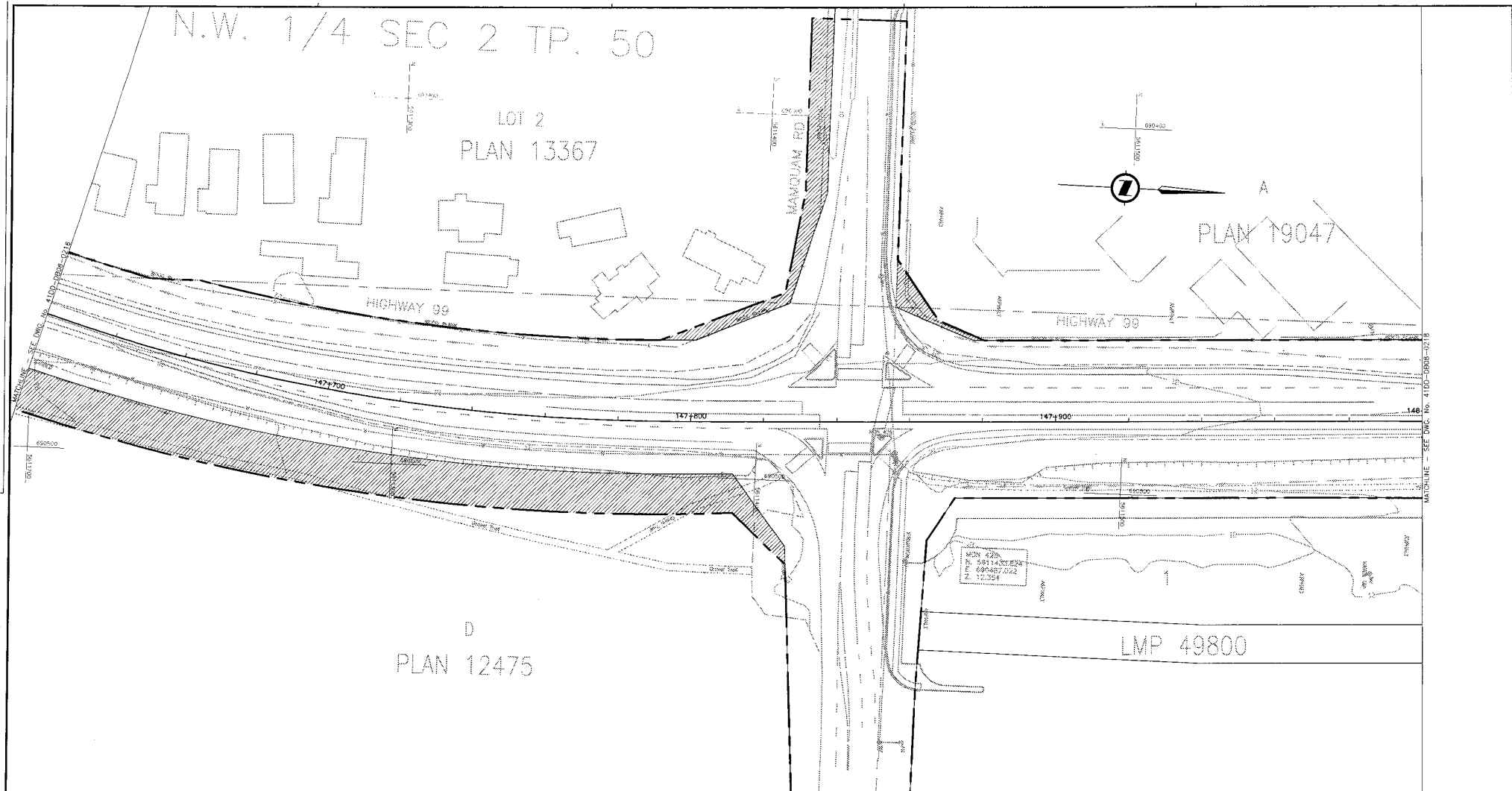
N.W. 1/4 SEC 2 TP. 50

LOT 2
PLAN 13367

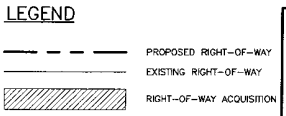
PLAN 19047

PLAN 12475

LMP 49800



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STIS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	41DD-PO08-0119	MOEA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	ARW
	41DD-PO08-3019	BRNCE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-23	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3G9

DESIGNED A.R.M./M.L. DATE 2004-04-01
DRAWN C.H. LEONOR DATE 2004-04-02
CHECKED S. BIRME/CL. MCKENSON DATE 2004-04-23
APPROVED J. SERRA DATE 2004-04-29

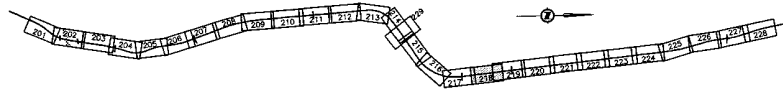
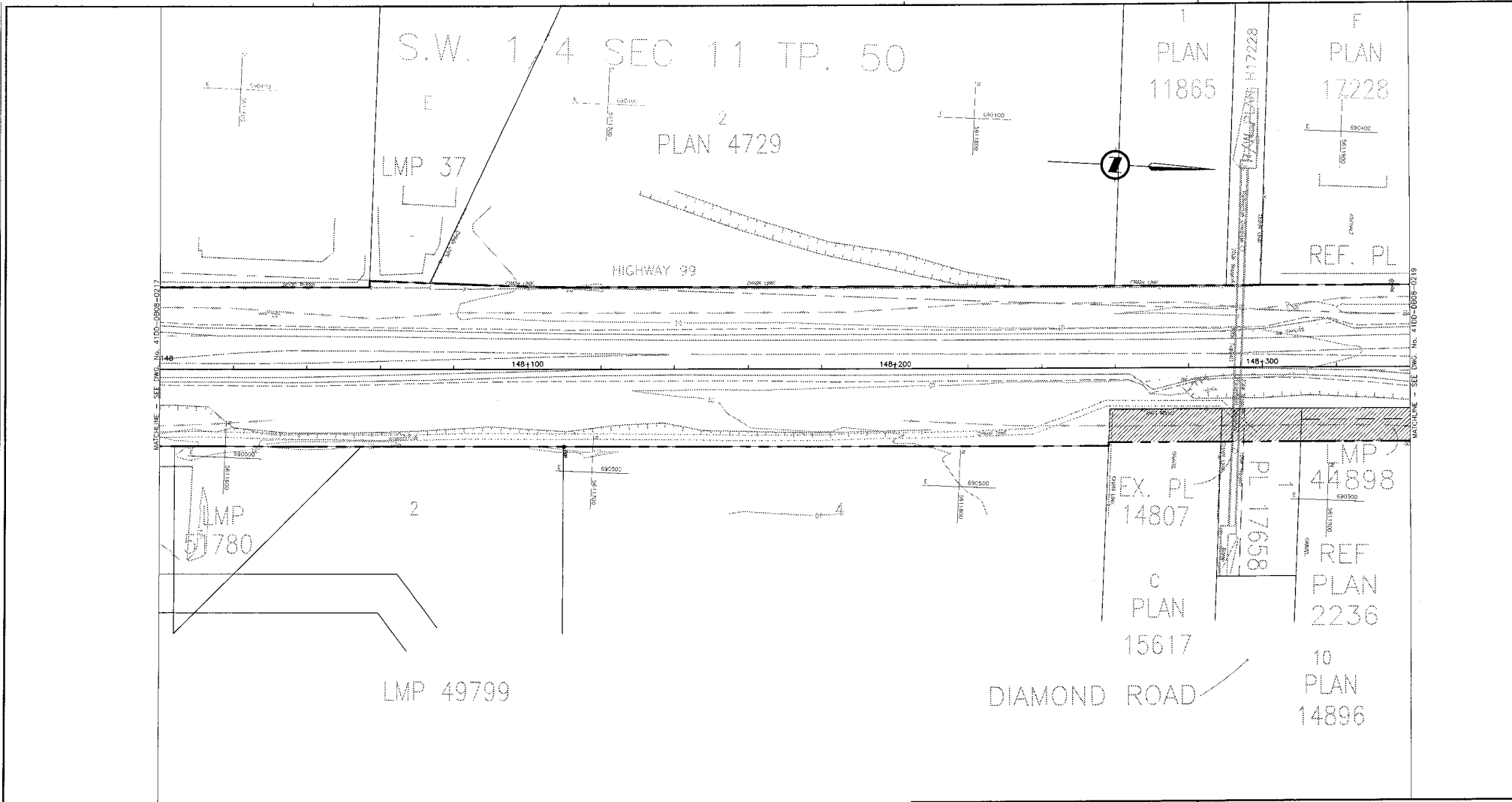
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MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 147+620.000 TO STA. 148+000.000

SENIOR DESIGN ENGINEER DATE
FILE No. PROJECT No. REG. DRAWING No.
016315-EN10-S 09901-7005 1 41DD-DB08-0217 1

DATE: 2004-04-29
 DRAWN: C.H. LEONOR
 CHECKED: S. BIRME/CL. MCKENSON
 APPROVED: J. SERRA






NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 410D-DB08-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	410D-P008-0120	MELCA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	ARW
	410D-P008-0020	BNME - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. P0	1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada V6E 3C9

DESIGNED A.R.W.M.L. DATE 2004-04-01
DRAWN C.M. LEONARD DATE 2004-04-02
CHECKED R. MOSE/CL. MATHISON DATE 2004-04-03
APPROVED J. SLOAN DATE 2004-04-05

SCALE 0 1:500 25

REVISIONS

Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	ARW

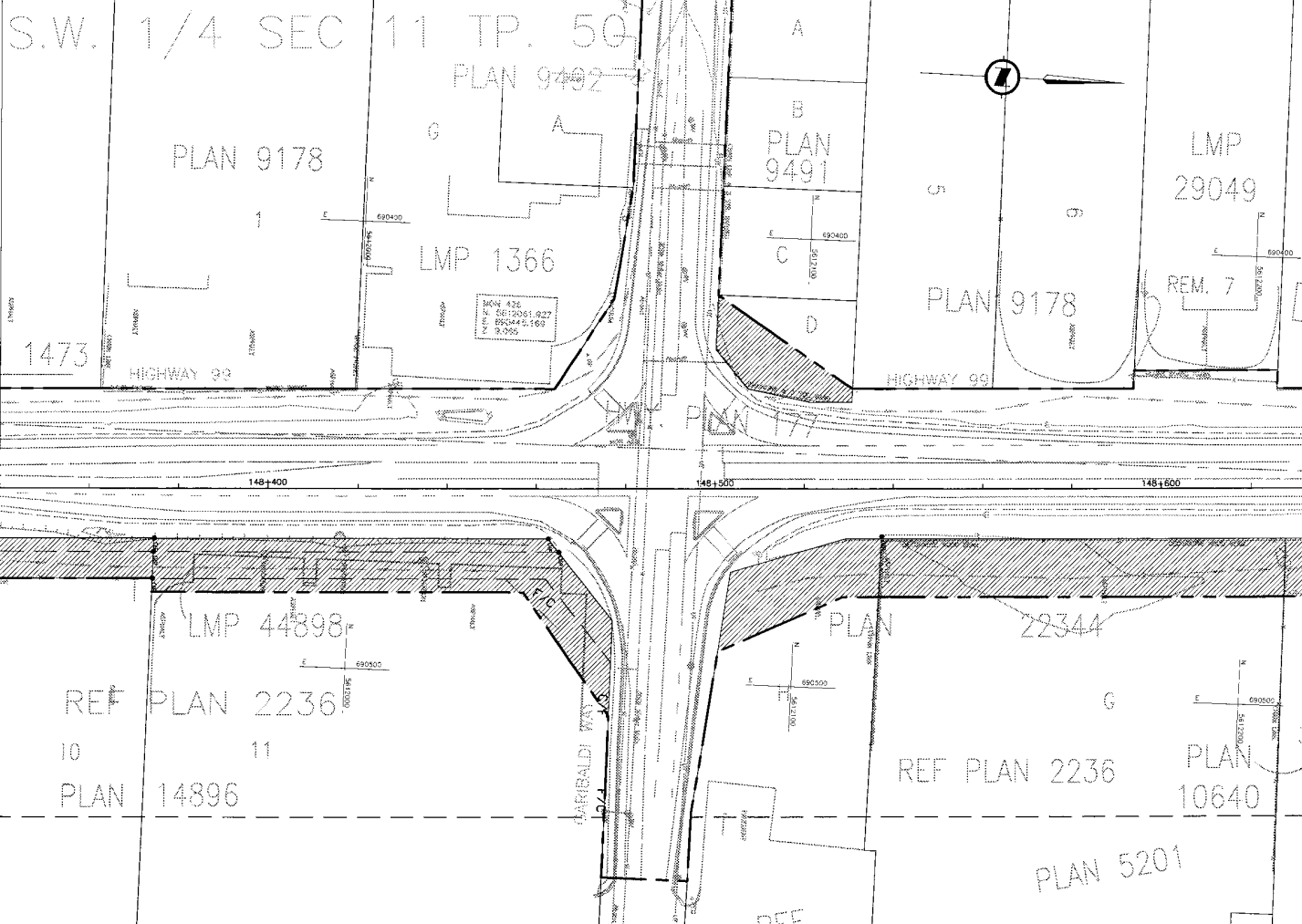
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 148+000.000 TO STA. 148+340.000

SENIOR DESIGN ENGINEER _____ DATE _____

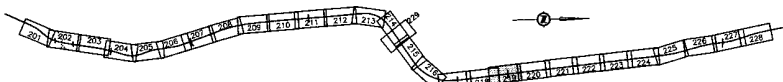
FILE NO. 016315-EN10-S PROJECT NO. 09901-7005 REV. 1 DRAWING NO. 410D-DB08-0218 1

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MATCHLINE - SEE DWG. No. 4100-DB08-0218

MATCHLINE - SEE DWG. No. 4100-DB08-0220



KEY PLAN

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-P008-0212	NOEA - PRELIMINARY DESIGN - PLAN	0	04-08-07	ISSUED FOR TENDER	AWW
	4100-P008-0201	BNVE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-09	REFINEMENT OF PROPOSED RIGHT-OF-WAY	AWW
REFERENCE DRAWINGS						
REVISIONS						

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada V6E 3C9

DESIGNED: A.R./M.K.L. DATE: 2004-04-01
DRAWN: C.H. LORINCZ DATE: 2004-04-02
CHECKED: E. BISHOPUS, M.M. REISL DATE: 2004-04-23
APPROVED: J. SASSA DATE: 2004-04-29

SCALE 0 1:500 25

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 148+340.000 TO STA. 148+640.000

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0219 1

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.

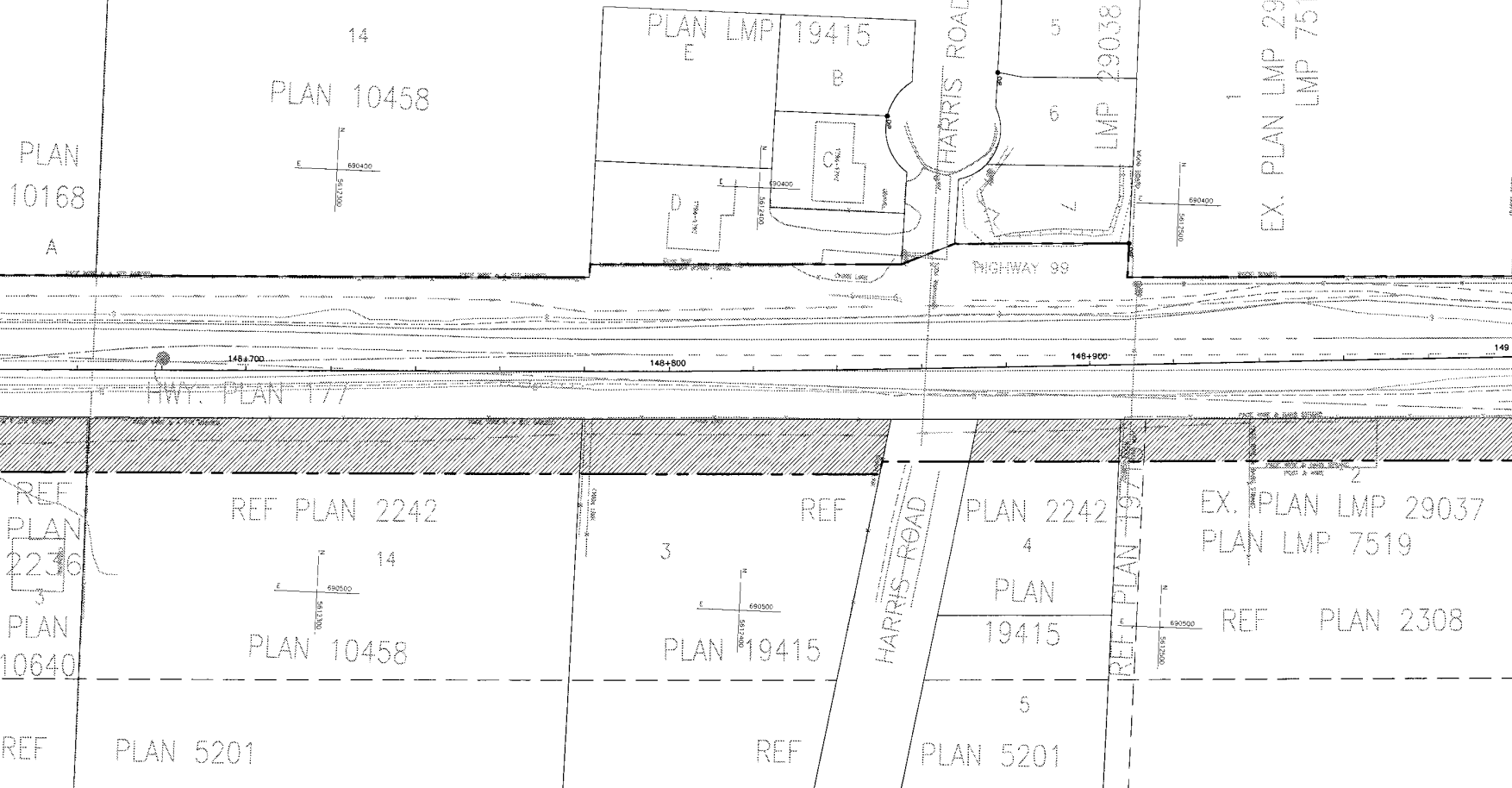
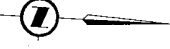
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

DRAWN BY: C.H. LORINCZ, DATE: 2004-04-02, CHECKED BY: E. BISHOPUS, M.M. REISL, DATE: 2004-04-23, APPROVED BY: J. SASSA, DATE: 2004-04-29

N.W. 1/4 SEC.11 TP. 50



EX. PLAN LMP 29037
LMP 7519

PLAN 10168
A

PLAN 10458

PLAN LMP 19415
E

PLAN LMP 29038
5
6
7

REF PLAN 2236
3
PLAN 10640

REF PLAN 2242
14
PLAN 10458

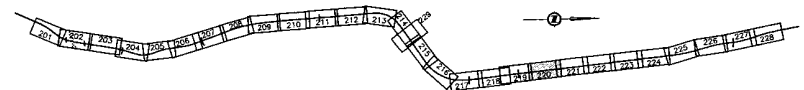
REF PLAN 19415
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PLAN 2242
4
PLAN 19415
5
PLAN 5201

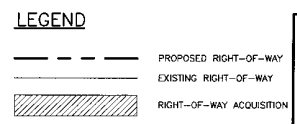
EX. PLAN LMP 29037
PLAN LMP 7519
REF PLAN 2308

REF PLAN 5201

REF



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB00-0125	INLEA - PRELIMINARY DESIGN - PLAN
	41DD-DB00-3022	BNWE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3C9

DESIGNED ASR/M/L DATE 2004-04-01
DRAWN G.P. LEBLANC DATE 2004-04-02
CHECKED B. WILKINS, M.Sc.Eng. DATE 2004-04-23
APPROVED J. MASKA DATE 2004-04-28

Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	AW
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	AW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 148+640.000 TO STA. 149+000.000

SENIOR DESIGN ENGINEER DATE
FILE No. PROJECT No. REV. DRAWING No.
016315-EN10-S 09901-7005 1 41DD-DB08-0220 1

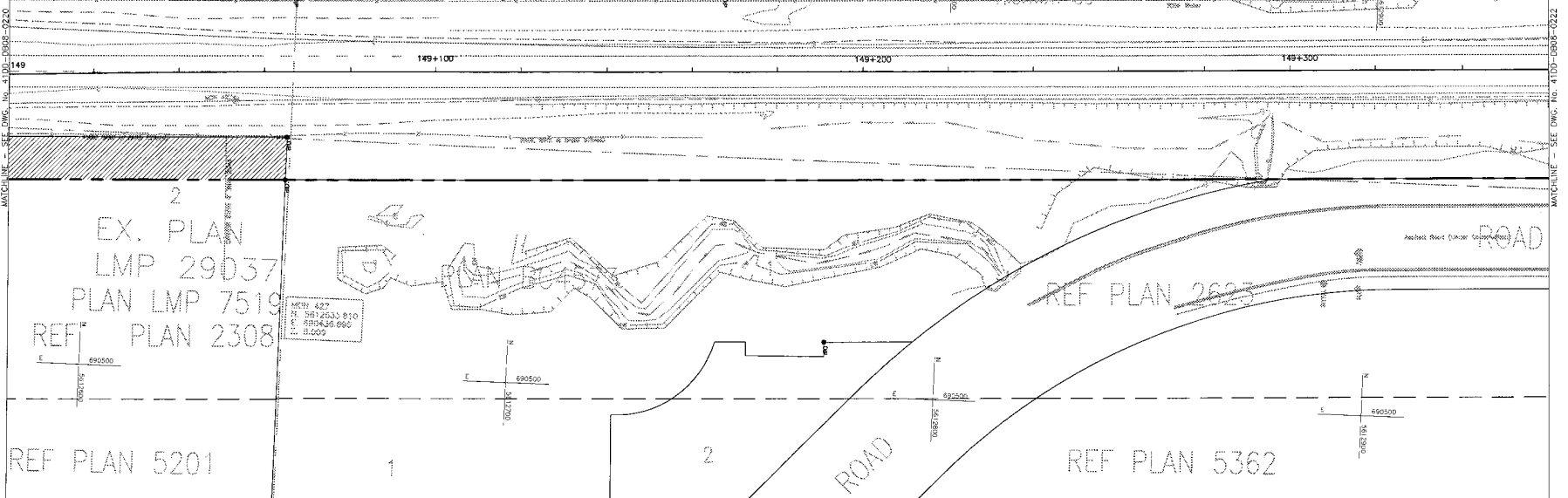
SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9

EX. PLAN
LMP 29037
LMP 7519

N. 1/2 OF N.W.1/4 SEC. 11 TP. 50

PLAN 12082

REF. PLAN 368



NETW. 827
E. 381253.3 810
N. 891435.866
S. 0.000

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000468116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PE08-0125	MOLEA - PRELIMINARY DESIGN - PLAN
	41DD-PE08-2023	BINNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED A.R.W./M.L. DATE 2004-04-01
DRAWN C.H. LEONDE DATE 2004-04-02
CHECKED B. WONG/S.L. MARRASO DATE 2004-04-23
APPROVED T. SERRAO DATE 2004-04-29

SCALE 0 1:500 25

Rev	Date	Description	Signature
0	04-06-17	ISSUED FOR TENDER	ARW
1	04-10-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
SECTION DBB
RIGHT-OF-WAY PLAN
SOUTH STAWAMUS TO DEPOT ROAD
STA. 149+000.000 TO STA. 149+360.000

SENIOR DESIGN ENGINEER DATE
FILE NO. PROJECT NO. REC. DRAWING NO.
016315-EN10-S 09901-7005 1 41DD-DB08-0221 | 1

41DD-DB08-0221.dwg
 1:500
 2004-04-29
 T. SERRAO
 41DD-DB08-0221.dwg
 1:500
 2004-04-29
 T. SERRAO

PART OF FRAC. S. 1/2 OF
S. 1/2 SEC. 14 TP. 50



REF. PLAN 868

B
PLAN 21601

4100-DB08-0222
N. 581314.824
E. 690415.937
Z. 9.428

HIGHWAY 99

149+400

149+500

149+600

149+700

REF PLAN 2623

ROAD

REF PLAN 2623

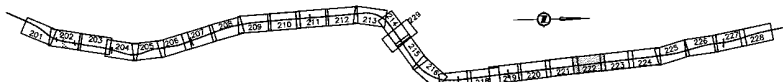
REF PLAN 2623

PLAN BC4573

PLAN BC4573

REF PLAN 5362

BC HYDRO



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-PO08-0124	NOLEA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	ATW
	4100-PO08-3024	BENNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-20	RETINEMENT OF PROPOSED RIGHT-OF-WAY	ATW

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West George Street
Montreal, Q.C.
Canada, H3G 2C9

SCALE 0 1:500 25

Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	ATW
1	04-10-20	RETINEMENT OF PROPOSED RIGHT-OF-WAY	ATW

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 149+360.000 TO STA. 149+720.000

SENIOR DESIGN ENGINEER	DATE
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005
REV. 1	DRAWING NO. 41DD-DB08-0222

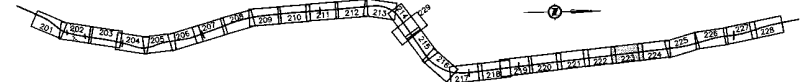
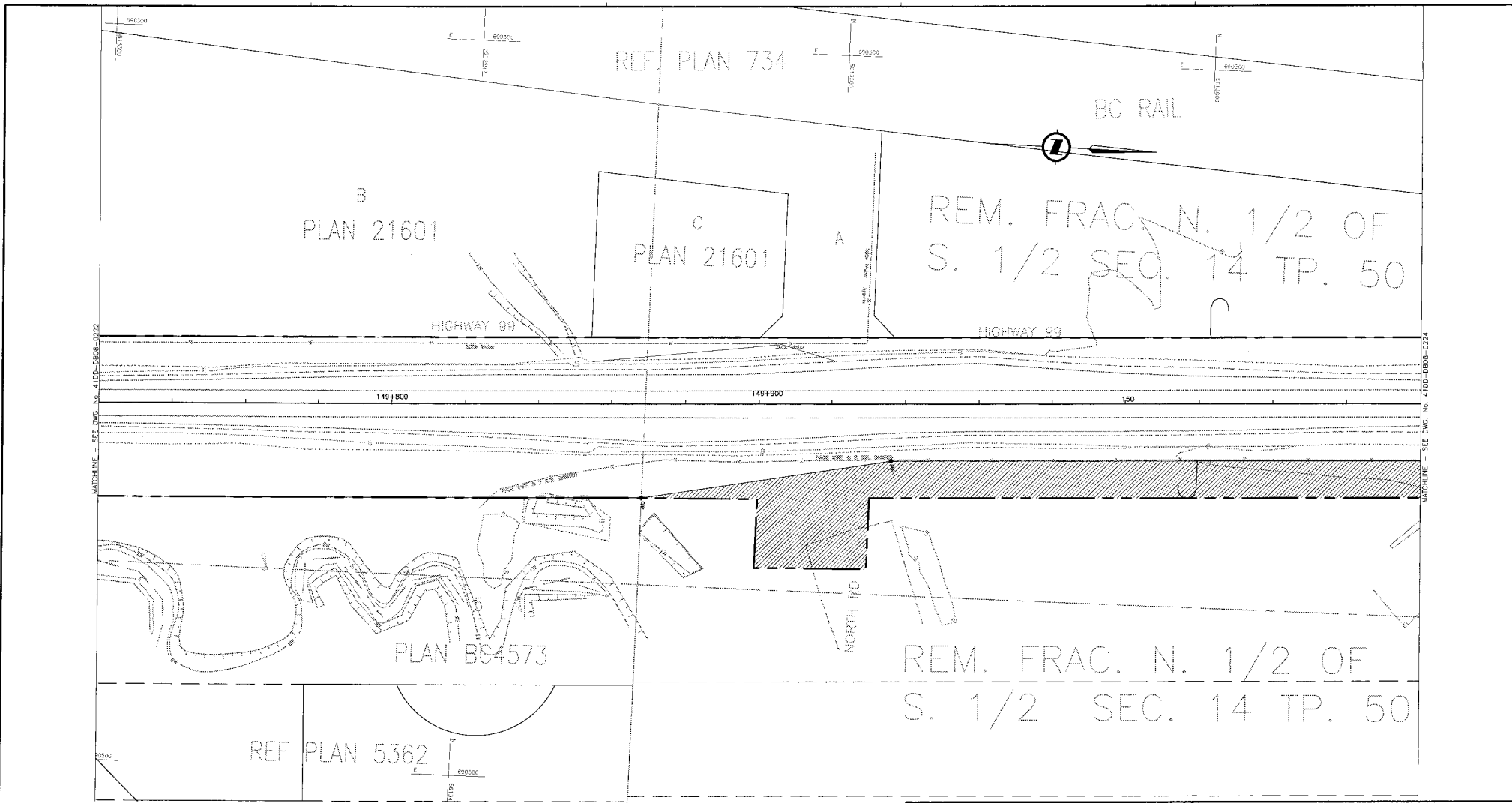
NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

DRAWN: STAWAMUS/ATW, 22-Sep-20; CHECKED: J. STAWAMUS, 22-Sep-20; DATE: 2020-09-22
 DATE: 2020-09-22; TIME: 14:32; USER: jstawa; PLOT: 41DD-DB08-0222; PLOT: 41DD-DB08-0222; PLOT: 41DD-DB08-0222



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB00-0125	NIDEA - PRELIMINARY DESIGN - PLAN
	41DD-DB00-3025	BRINE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1675 West George Street
 Vancouver, B. C.
 Canada, V6E 3C9

DESIGNED: A.S./K.M.L. DATE: 2004-04-01
 DRAWN: S.H./J.P.O.R. DATE: 2004-04-02
 CHECKED: B. WONG/D. MARRICOLA DATE: 2004-04-23
 APPROVED: T. YOSHIDA DATE: 2004-04-29

SCALE 0 1:500 25

Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	RETINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 149+720.000 TO STA. 150+080.000

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE NO. 016315-EN10-S PROJECT NO. 09901-7005 REV. 1 DRAWING NO. 41DD-DB00-0223 1

DATE: 2004/07/27 3:58pm by: shh/rl - Draw: DB - Proj: (P) \04\15-16\02-5-1100-0006-0201\04-23\17.dwg
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 MATCHLINE - SEE DWG. No. 41DD-DB00-0222
 MATCHLINE - SEE DWG. No. 41DD-DB00-0224

REM. FRAC. N. 1/2 OF S. 1/2
SEC. 14 TP. 50

REM. S. 1/2 OF N.W.
1/4 SEC. 14 TP. 50

BC RAIL

REF. PLAN 787

MATCHLINE - SEC. DWG. No. 4100-DB08-0223

MATCHLINE - SEC. DWG. No. 4100-DB08-0223

150+100

150+200

150+300

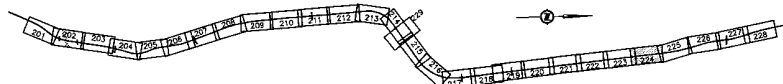
150+400

S.R.W. 2244

REM. FRAC. N. 1/2 OF
S. 1/2 SEC. 14 TP. 50




SW1/4 NE1/4
SEC. 14, T.P. 50

S.R.W. 5201



KEY PLAN

LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION

NOTES:

FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	4100-P000-0125	NOLEA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	AW
	4100-P000-0026	BNVVE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AW

REFERENCE DRAWINGS

SNC-LAVALIN
1500 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

SCALE 0 1:500 25

Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	AW
1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AW

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 150+080.000 TO STA. 150+420.000

FILE No. PROJECT No. REG. No. DRAWING No.
016315-EN10-S 09901-7005 1 4100-DB08-0224 1

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REM. S. 1/2 OF N.W. 1/4
SEC. 14 TP. 50

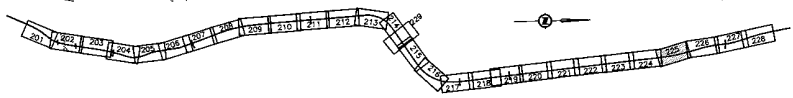
REF. PLAN 787

REM. A
PLAN 1728

HIGHWAY 99

REF PLAN 2241

SW 1/4 NE 1/4
SEC. 14, T.P. 50



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PO08-0127	NILEA - PRELIMINARY DESIGN - PLAN
	41DD-PO08-3027	BNWEE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. FB

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3C9

DESIGNED A.B./M.J. DATE 2004-04-01
DRAWN S.H. LEONOR DATE 2004-04-02
CHECKED S. WONG/Z. MCKENZIE DATE 2004-04-23
APPROVED J. TAMURA DATE 2004-04-26

SCALE 0 1:500 25

Rev	Date	Description	Signature
0	04-03-17	ISSUED FOR TENDER	AW
1	04-10-29	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 150+420.000 TO STA. 150+800.000

SENIOR DESIGN ENGINEER _____ DATE _____
FILE NO. 016315-EN10-S PROJECT NO. 09901-7005 RES. 1 DRAWING NO. 41DD-DB08-0225 1

SNC-LAVALIN 1800-1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9

N. 1/2 OF N.W. 1/4
SEC. 14 TP. 50

REM. A
PLAN 1728

PLAN 1815

S.W. 1/4 SEC.
23 TP. 50



A

PLAN 19844

PLAN 17025

HIGHWAY 99

HWY. PLAN 15527

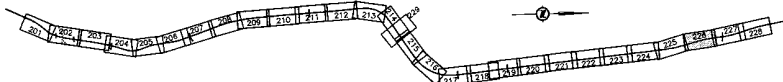
REF. PLAN 2241

HWY. PLAN 177

REF. PLAN 1878

REF. PLAN 5201

PLAN 10505



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB08-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	41DD-PO08-0128	MOEA - PRELIMINARY DESIGN - PLAN	0	04-08-17	ISSUED FOR TENDER	ARW
	41DD-PO08-3028	MOEA - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-29	REPLACEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS

SNC-LAVALLIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED: A.R.W./M.L. DATE: 2004-04-01
DRAWN: J.H. LEONARD DATE: 2004-04-02
CHECKED: R. WOODZ/3. HANNECOX DATE: 2004-04-23
APPROVED: J. WOODZ DATE: 2004-04-29

SCALE 0 1:500 25

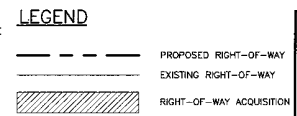
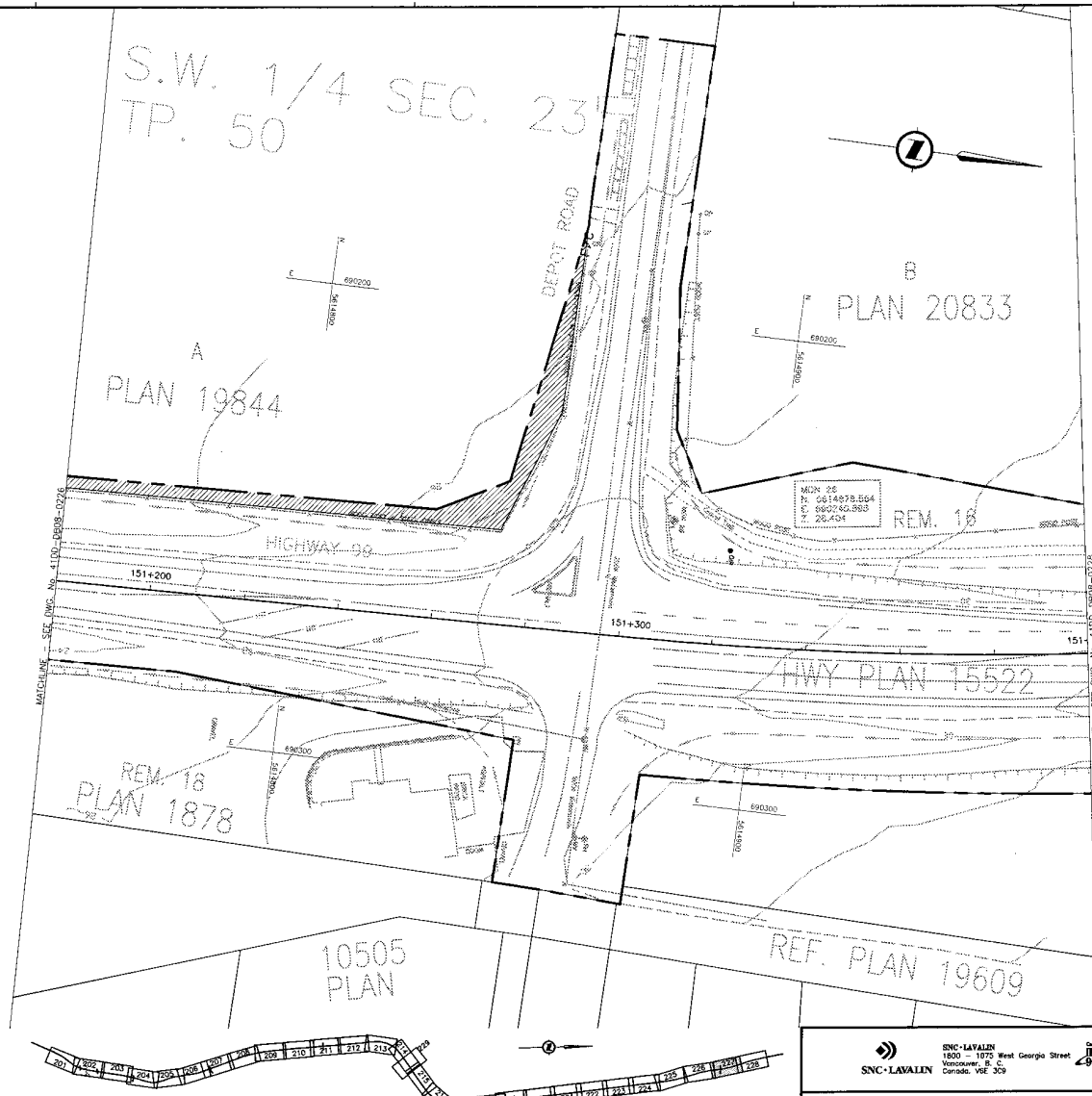
Rev.	Date	Description	Signature
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	REPLACEMENT OF PROPOSED RIGHT-OF-WAY	ARW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 150+600.000 TO STA. 151+180.000

FILE NO. 016315-EN10-S PROJECT NO. 09901-7005 REV. 1 DRAWING NO. 41DD-DB08-0226 1

SNC-LAVALLIN 2004-04-29 15:00:00 41DD-DB08-0226 1



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
 TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PO08-0129	NEEA - PRELIMINARY DESIGN - PLAN
	41DD-PO08-3029	BANNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 151+180.000 TO STA. 151+400.000

SCALE 0 1:500 25

DESIGNED A.R.B./M.S. DATE 2004-04-01
 DRAWN J.H. LEONARD DATE 2004-04-02
 CHECKED S. BROWN/S. MATHIAS DATE 2004-04-23
 APPROVED J. TOSCANI DATE 2004-04-29

Rev	Date	Description	Signature
0	04-06-17	ISSUED FOR TENDER	ARW
1	04-16-29	REFINEMENT OF PROPOSED RIGHT-OF-WAY	ARW

REFERENCE DRAWINGS

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB8
 SOUTH STAWAMUS TO DEPOT ROAD
 STA. 151+180.000 TO STA. 151+400.000

SENIOR DESIGN ENGINEER DATE

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB08-0227

DATE: 2004/04/29 1:59pm
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 USER: jleone
 PLOT: 2004/04/29 1:59pm
 PLOTTER: HP DesignJet 500

REF. PLAN 2623

REF. PLAN 3362

HIGHWAY 99

HWY 15522

REM. A
PLAN 18925

PLAN 18623R

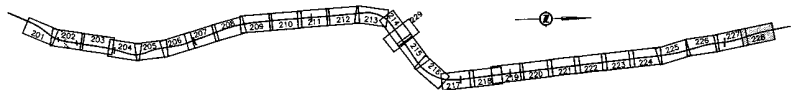
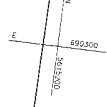
REM. EASTERLY 60 AC
N1/2 SW1/4 SEC. 23

S.W. 1/4
SEC. 23
TP. 50

ZONE A SECTION DB8
END OF SECTION DB8
151+687.492 BACK
BEGINNING OF SECTION DB8
207+739.316 AHEAD
ZONE B




N. 891924.439
E. 890204.406

N. 891511.419
E. 890190.008



KEY PLAN

LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	OWG. No.	Description	Rev.	Date	Description	Signature
	4100-PO08-0130	NOEA - PRELIMINARY DESIGN - PLAN	0	04-26-17	ISSUED FOR TENDER	AWW
	4100-PO08-2030	BRNE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB	1	04-10-23	RETIREMENT OF PROPOSED RIGHT-OF-WAY	AWW

REFERENCE DRAWINGS

SCALE	0	1:500	25	DESIGNED A.S.W./M.L.	DATE 2004-04-01
				DRAWN C.H. LUTHEGGER	DATE 2004-04-02
				CHECKED S. BISHOP/ S. MANUEL	DATE 2004-04-24
				APPROVED J. LESNEY	DATE 2004-04-26

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
STA. 151+400.000 TO STA. 151+687.492(207+739.316)

SENIOR DESIGN ENGINEER: _____ DATE: _____
FILE NO.: 016315-EN10-S PROJECT NO.: D9901-7005 REG.: 1 DRAWING NO.: 41DD-DB08-0228 1

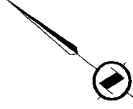
NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.

THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".

TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408116 AND ADD 100,000m N AND 200,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

SCALE: 1:500 (1/4"=1'-0") DATE: 2004-04-01 DRAWN: C.H. LUTHEGGER CHECKED: S. BISHOP/ S. MANUEL APPROVED: J. LESNEY



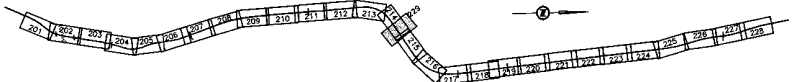
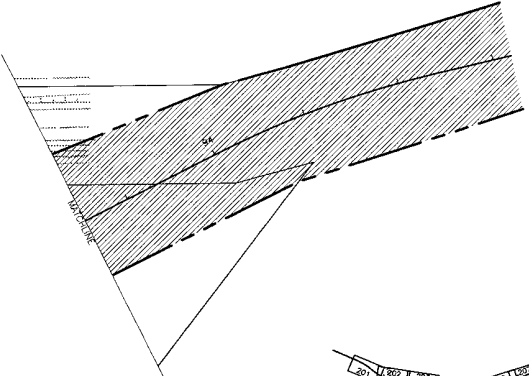
N.W. 1/4 SEC
2 TP. 50

REF

CENTENNIAL WAY

LOT 2 PLAN 19496

S.W. 1/4
SEC 2 TP. 50
LOT 2
PLAN 19496



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 70m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A".
TO CONVERT FROM UTM TO THE "STS 2002 PROJECT GRID COORDINATE SYSTEM - ZONE A", MULTIPLY BY THE COMBINED SCALE FACTOR 1.000408118 AND ADD 100,000m N AND 200,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/ PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-P008-0113	NELEA - PRELIMINARY DESIGN - PLAN	0	04-10-09	RETIREMENT OF PROPOSED RIGHT-OF-WAY	APW
	41DD-P008-3033	BRANIE - PRELIMINARY DESIGN - RIGHT-OF-WAY ACQUISITION - REV. PB				

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

SCALE 0 1:500 25

DESIGNED	A.R.W./M.L.	DATE	2004-04-01
DRAWN	G.H. LEVOR	DATE	2004-04-02
CHECKED	B. WILSON/S. MONTGOMERY	DATE	2004-04-23
APPROVED	T. SLOAN	DATE	2004-04-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB8
SOUTH STAWAMUS TO DEPOT ROAD
CENTENNIAL WAY

SENIOR DESIGN ENGINEER		DATE
FILE NO.	PROJECT NO.	REV.
016315-EN10-S	09901-7005	1
DRAWING NO.		
41DD-DB08-0229		0

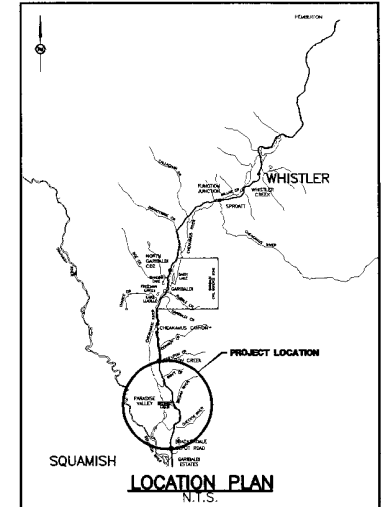
016315-EN10-S 09901-7005 41DD-DB08-0229-0211 Rev. 04/28/04
 016315-EN10-S 09901-7005 41DD-DB08-0229-0211 Rev. 04/28/04
 016315-EN10-S 09901-7005 41DD-DB08-0229-0211 Rev. 04/28/04



MINISTRY OF TRANSPORTATION

PROJECT No. 09901

Section DB9
Depot Road to Culliton Creek

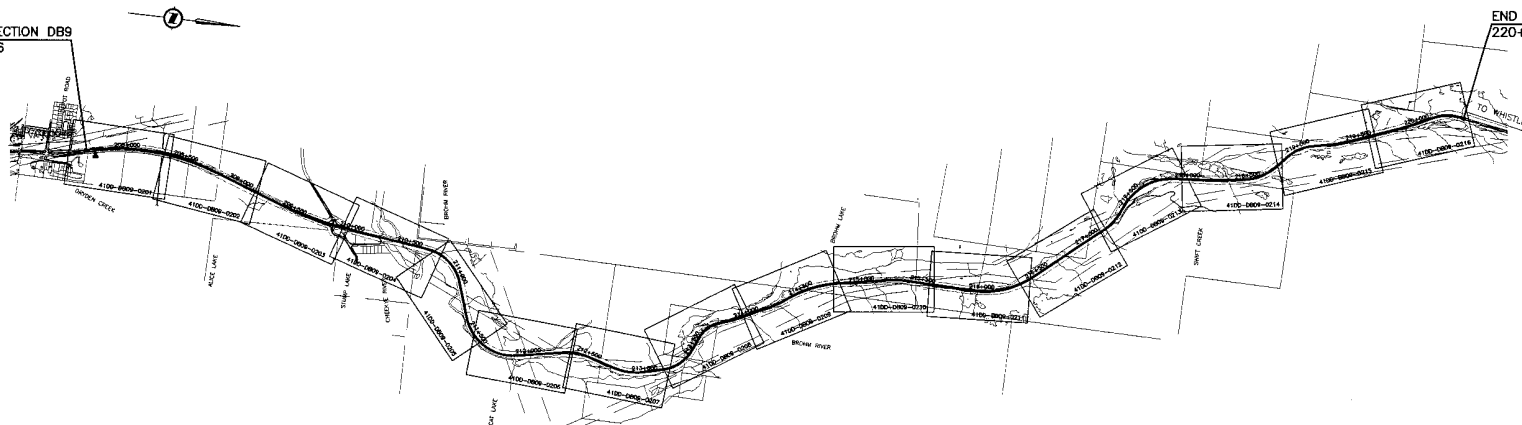


DRAWING INDEX

41DD-DB09-0000	0	COVER SHEET
41DD-DB09-0001	0	PLAN, PROFILE, LANING SCHEMATIC - SHEET 1
41DD-DB09-0002	0	PLAN, PROFILE, LANING SCHEMATIC - SHEET 2
41DD-DB09-0201	0	RIGHT-OF-WAY PLAN STA 207+739.316 TO STA 208+318.000
41DD-DB09-0202	0	RIGHT-OF-WAY PLAN STA 208+318.000 TO STA 209+138.000
41DD-DB09-0203	0	RIGHT-OF-WAY PLAN STA 209+138.000 TO STA 209+925.000
41DD-DB09-0204	0	RIGHT-OF-WAY PLAN STA 209+925.000 TO STA 210+723.000
41DD-DB09-0205	0	RIGHT-OF-WAY PLAN STA 210+723.000 TO STA 211+541.000
41DD-DB09-0206	0	RIGHT-OF-WAY PLAN STA 211+541.000 TO STA 212+360.000
41DD-DB09-0207	0	RIGHT-OF-WAY PLAN STA 212+360.000 TO STA 213+162.000
41DD-DB09-0208	0	RIGHT-OF-WAY PLAN STA 213+162.000 TO STA 213+981.000
41DD-DB09-0209	0	RIGHT-OF-WAY PLAN STA 213+981.000 TO STA 214+771.000
41DD-DB09-0210	0	RIGHT-OF-WAY PLAN STA 214+771.000 TO STA 215+561.000
41DD-DB09-0211	0	RIGHT-OF-WAY PLAN STA 215+561.000 TO STA 216+333.000
41DD-DB09-0212	0	RIGHT-OF-WAY PLAN STA 216+333.000 TO STA 217+110.000
41DD-DB09-0213	0	RIGHT-OF-WAY PLAN STA 217+110.000 TO STA 217+964.000
41DD-DB09-0214	0	RIGHT-OF-WAY PLAN STA 217+964.000 TO STA 218+770.000
41DD-DB09-0215	0	RIGHT-OF-WAY PLAN STA 218+770.000 TO STA 219+609.000
41DD-DB09-0216	0	RIGHT-OF-WAY PLAN STA 219+609.000 TO STA 220+382.044 (290+80.517)

START OF SECTION DB9
 207+739.316

END OF SECTION DB9
 220+382.044



KEY PLAN
 1:10000

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

SCALE: AS NOTED
 DESIGNED: T. WACHSMAN DATE: 2004-02-25
 DRAWN: M. BIRSK DATE: 2004-02-25
 CHECKED: G. MCKENDRICK DATE: 2004-04-23
 APPROVED: T. TAGAWA DATE: 2004-04-23

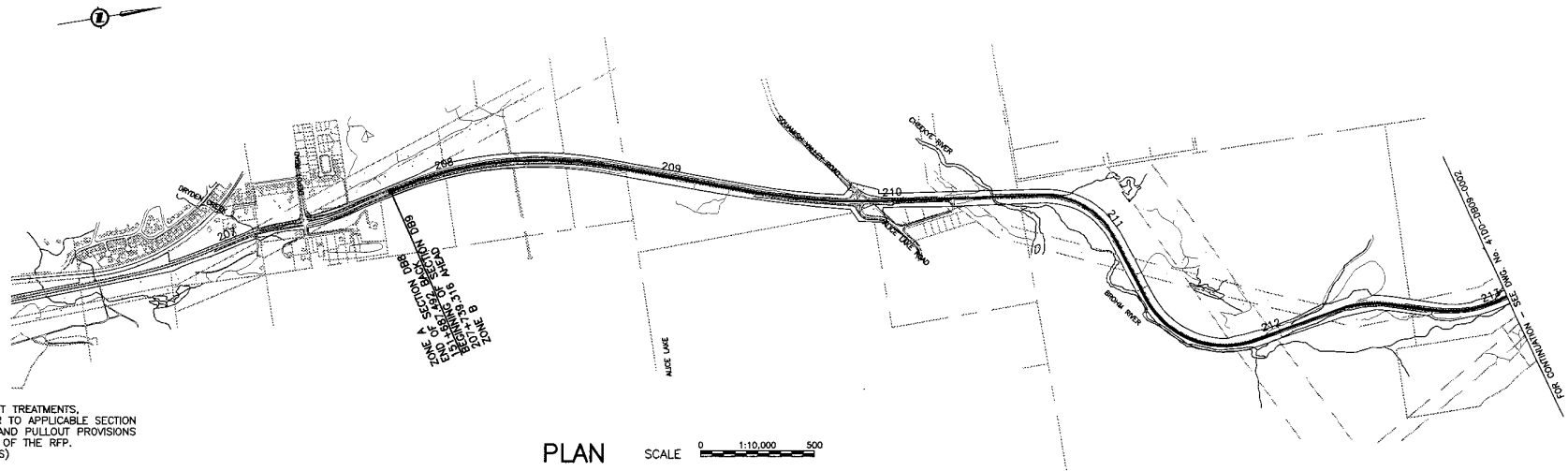
DBFO - HORSESHOE BAY TO WHISTLER
 COVER SHEET
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 207+739.316 TO STA. 220+382.044(290+80.517)

PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	ATW
0	04-08-17	ISSUED FOR TENDER	ATW

SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB09-0000 0

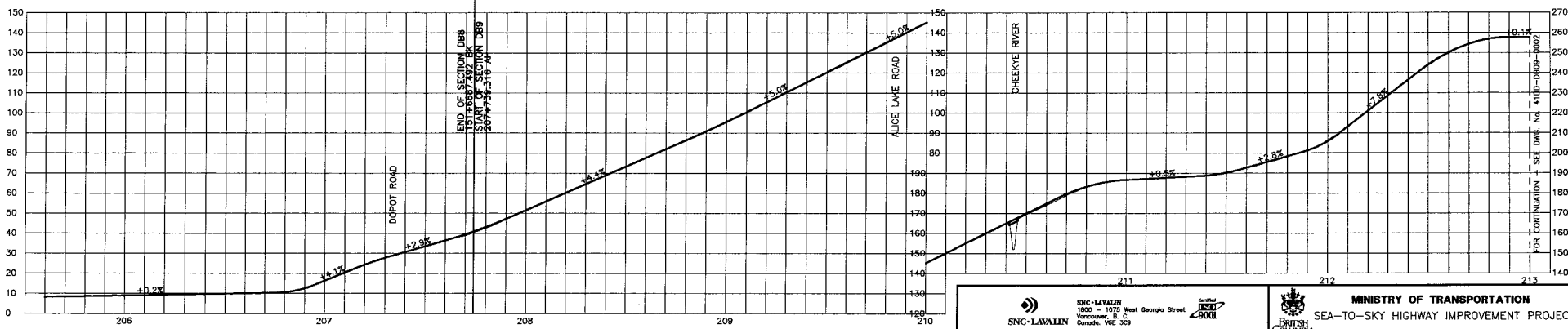
DATE: 2004/08/14 11:31 AM
 DRAWN BY: M. BIRSK
 CHECKED BY: G. MCKENDRICK
 APPROVED BY: T. TAGAWA
 FILE No.: 016315-EN10-S
 PROJECT No.: 09901-7005
 DRAWING No.: 41DD-DB09-0000



NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS,
 REFERENCE NUMBERS REFER TO APPLICABLE SECTION
 OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS
 SPREADSHEET IN VOLUME 3 OF THE RFP.
 (SEE VOLUME 3 FOR DETAILS)

EXISTING LANING
 PROPOSED LANING
 TEMPORARY 3rd LANE DURING OLYMPICS

LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE HORIZ 1:10,000 VERT 1:1,000

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DESIGNED T. WACHMANN DATE 2004-02-23
 DRAWN M. MORSE / S. LAM DATE 2004-02-23
 CHECKED B. WONG / S. MATHREO DATE 2004-02-23
 APPROVED T. TOSKRA DATE 2004-03-28

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 1
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 207+739.316 TO STA. 213+000.000

PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PASW-0105	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

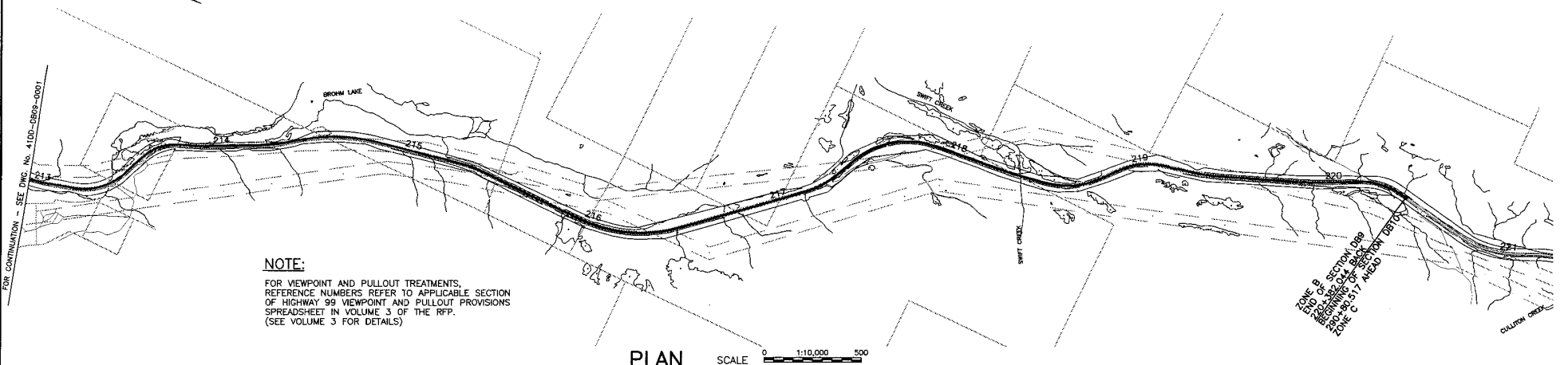
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	ARW
O	04-08-17	ISSUED FOR TENDER	ARW

FILE No.	PROJECT No.	REV.	DRAWING No.
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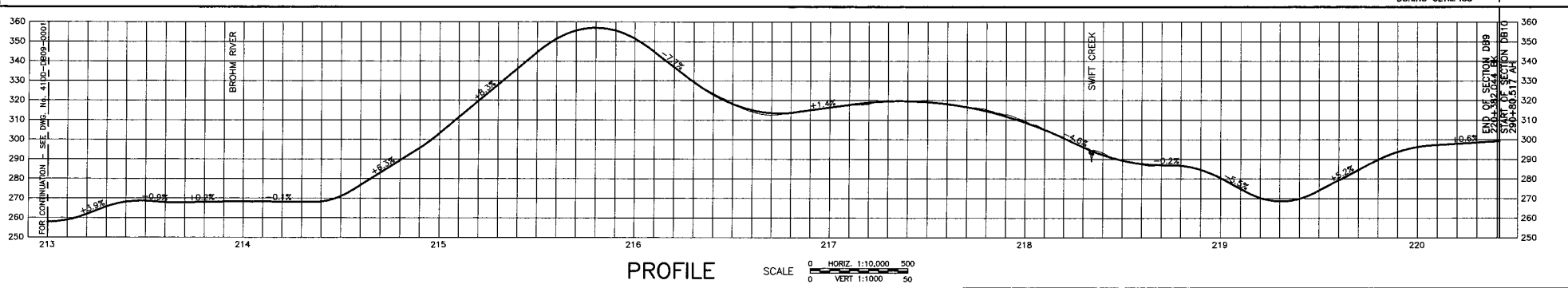
DATE: 2004-03-28 10:41 AM
 FILE: H:\DATA\STATISTICS - Site\41DD-DB09-0001\0001_Plan.dwg
 AUTHOR: SLD



FOR CONTINUATION - SEE DWG. No. 41DD-DB09-0001



END OF SECTION DB9
START OF SECTION DB10
290+80.517 ARI
ZONE C



SNC-LAVALLIN 2004-02-23 10:00 AM 2:30 PM 2004-02-23 10:00 AM

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41K-P&W-0105	SNC-LAVALLIN - PRELIMINARY ALIGNMENT - PLAN	PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	AW
			PB	04-07-05	REVISED FOR REQUEST FOR PROPOSAL	AW
			C	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALLIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3G5

DESIGNED: T. WACHMANN DATE: 2004-02-23
DRAWN: M. HINDLE, C. LAM DATE: 2004-02-23
CHECKED: S. HOBBS/S. MAHMOOD DATE: 2004-02-23
APPROVED: T. BASSA DATE: 2004-04-29

Rev	Date	Description	Signature

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
PLAN, PROFILE & LANING SCHEMATIC - SHEET 2
SECTION DB9
DEPOT ROAD TO CULLITON CREEK
STA. 213+000.000 TO STA. 220+382.044(290+80.517)

SENIOR DESIGN ENGINEER DATE

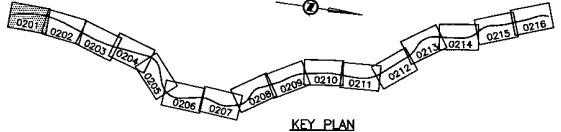
FILE No. PROJECT No. RES. DRAWING No.
016315-EN10-S 09901-7005 1 41DD-DB09-0002 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000418361 THEN ADD 300,000m N AND 448,000.0m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PASW-0101	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C. Canada, V6E 3C3

DESIGNED: A.B. MACINNIS, DATE: 2004-04-02
 DRAWN: C.H. LEONOR, DATE: 2004-04-02
 CHECKED: S. MACDONALD, DATE: 2004-04-22
 APPROVED: J. SLOAN, DATE: 2004-04-28

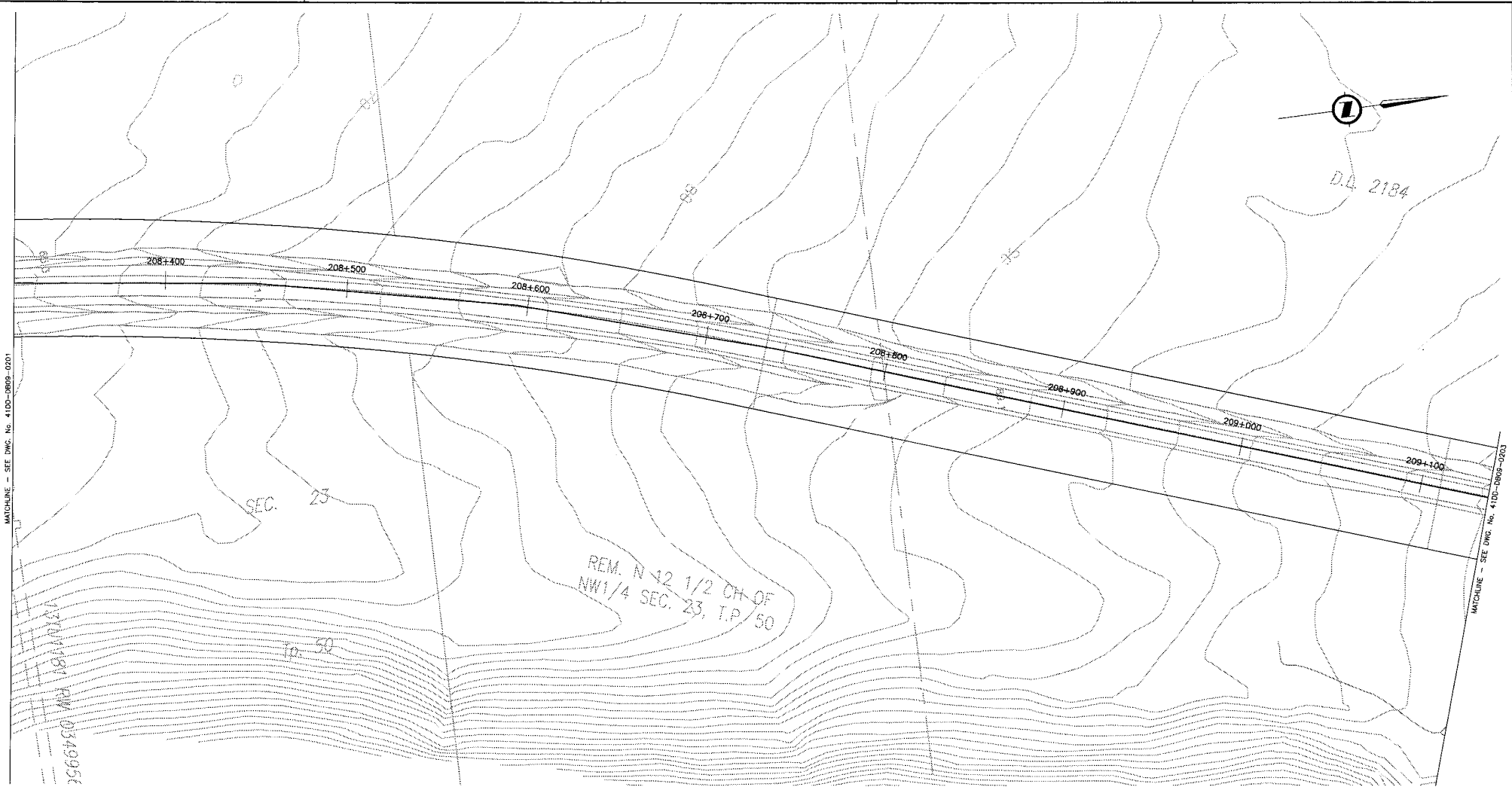
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 207+739.316(151+687.492) TO STA. 208+318.000

SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REV. 1	DRAWING No. 41DD-DB09-0201

DATE PLOTTED: 2004-04-28 11:00 AM
 PLOTTER: HP DesignJet 5000
 PLOTTER MODEL: HP DesignJet 5000
 PLOTTER DRIVER: HP DesignJet 5000
 PLOTTER LANGUAGE: HP DesignJet 5000
 PLOTTER SETTINGS: HP DesignJet 5000



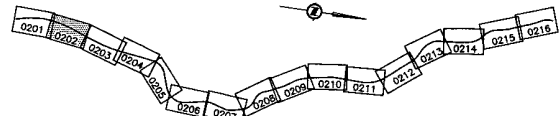
MATCHLINE - SEE DWG. No. 410D-DB09-0201

MATCHLINE - SEE DWG. No. 410D-DB09-0203

2567500 NAD 83
172111200 WGS 84

SEC. 23
T. 50

REM. N 12 1/2 CH. OF
NW 1/4 SEC. 23, T.P. 50



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 410D-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 440,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description
	410K-PASW-0102	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AWW
0	04-08-17	ISSUED FOR TENDER	AWW

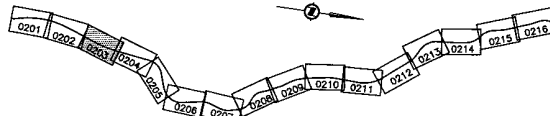
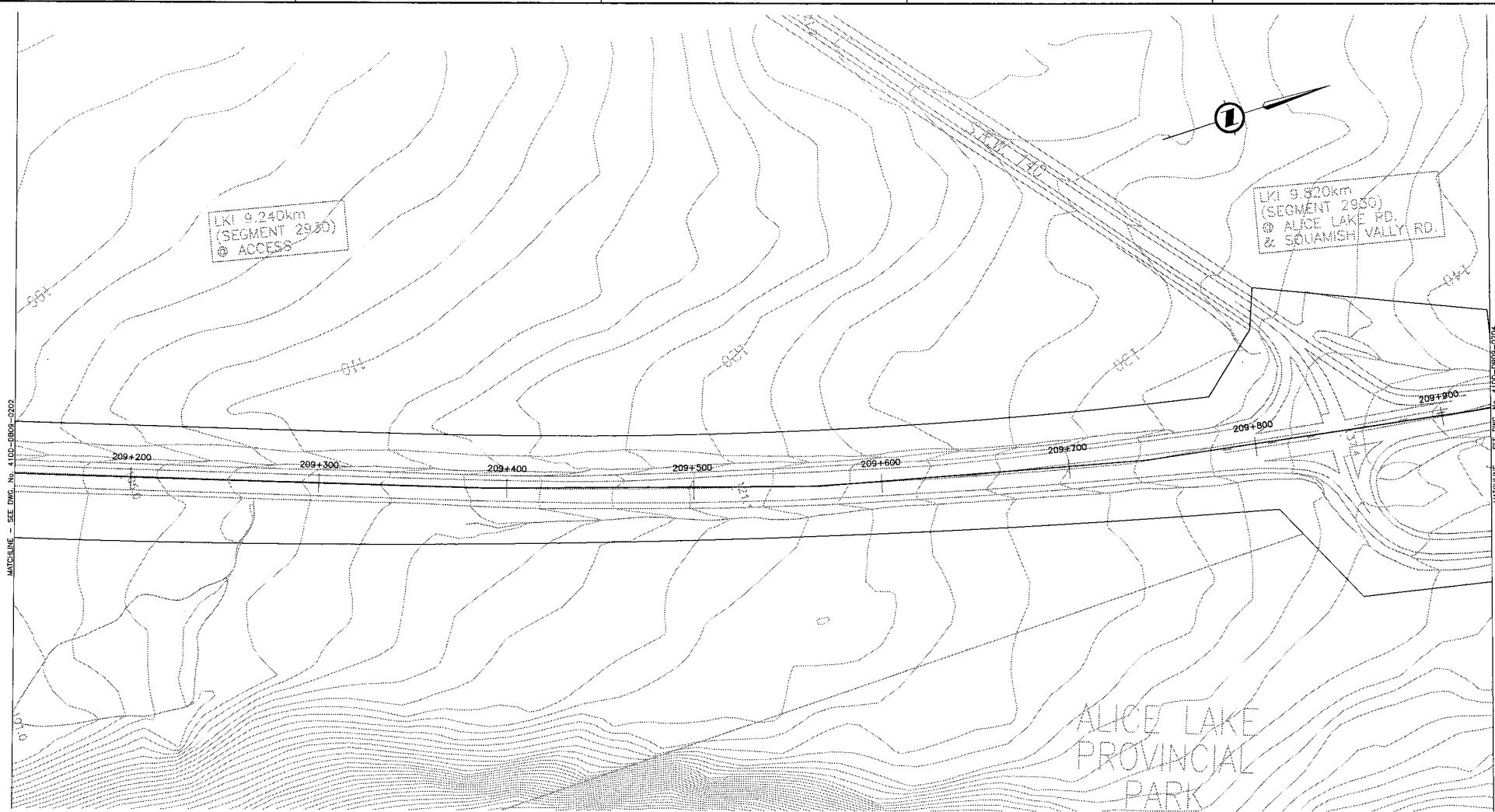
REVISIONS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
BRITISH COLUMBIA

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB9
DEPOT ROAD TO CULLITON CREEK
STA. 208+318.000 TO STA. 209+138.000

SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REL. 1	DRAWING No. 410D-DB09-0202



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

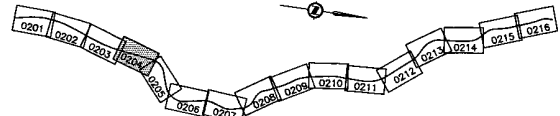
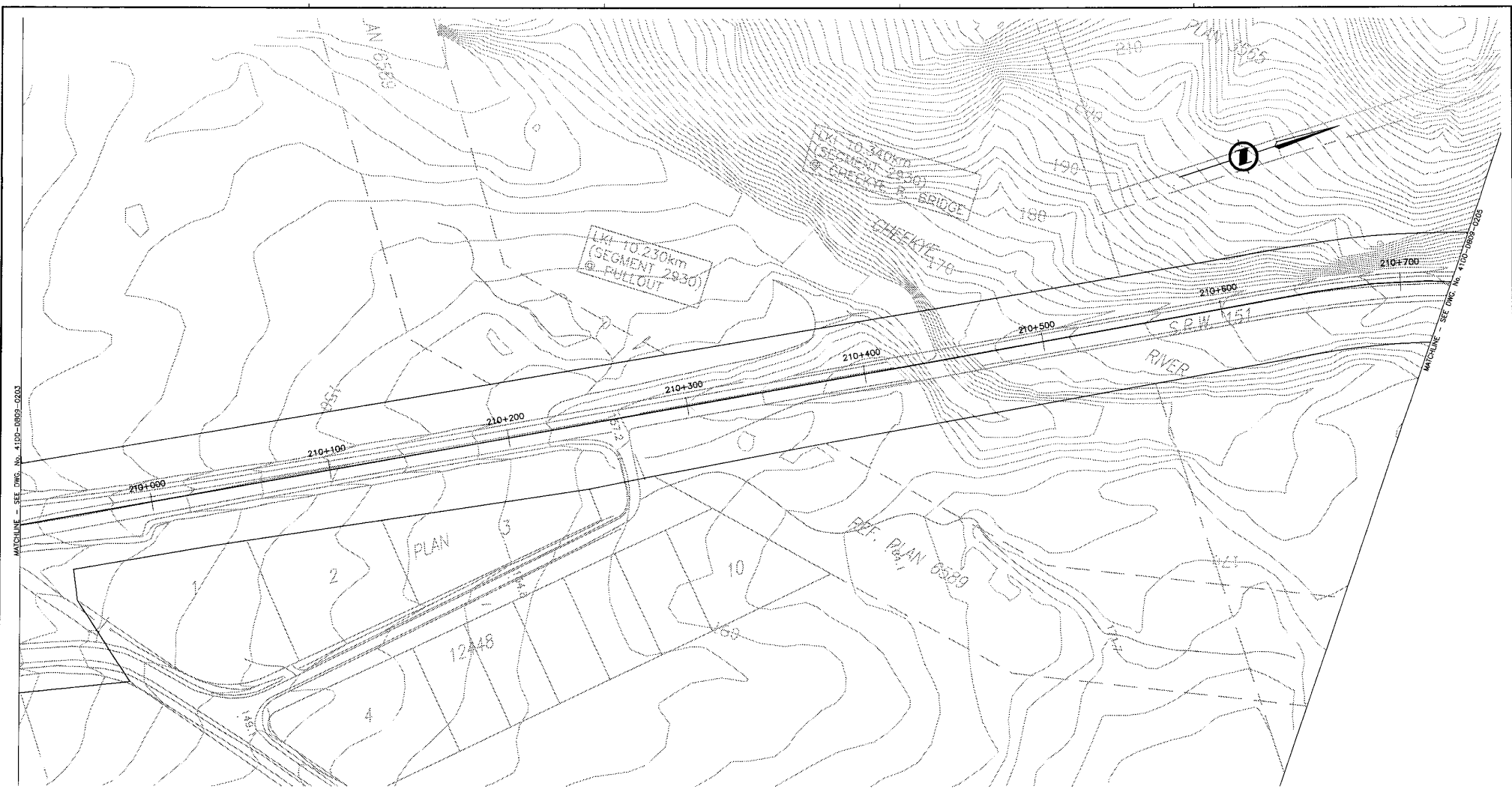
PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PWR-0102	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		 Certified PE 49001	
SCALE 0 1:1000 50		DESIGNED A.R. BUCHMANN DATE 2004-04-02 DRAWN G.H. LEWIS DATE 2004-04-02 CHECKED S. MURPHY DATE 2004-04-23 APPROVED J. TAYLOR DATE 2004-04-28	
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB9 DEPOT ROAD TO CULLITON CREEK STA. 209+138.000 TO STA. 209+925.000	
SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REV. 1	DRAWING No. 41DD-DB09-0203

DATE: 2004/04/02 - 7:48PM
 FILE: 016315-EN10-S - See to: STAY - CHUCK - DAYLIP - DWG:\SNC\1\016315-EN10-S-100-DB09-0203\1001\016315-EN10-S-100-DB09-0203.dwg
 DRAWN: G.H. LEWIS



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419381 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

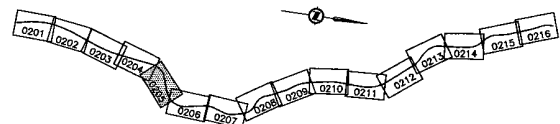
PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0103	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6E 3C8		 BRITISH COLUMBIA	
SCALE 0 1:1000 50 		DESIGNED A.R. WISCHMANN DATE 2004-04-02 DRAWN C.H. LEONARD DATE 2004-04-02 CHECKED S. MATHCOLO DATE 2004-04-23 APPROVED J. TOSCANI DATE 2004-04-29	
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT 			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB9 DEPOT ROAD TO CULLITON CREEK STA. 209+925.000 TO STA. 210+723.000			
SENIOR DESIGN ENGINEER		DATE	
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005	REV. 1	DRAWING NO. 41DD-DB09-0204 0

DATE: 2004-04-29
 TIME: 10:00 AM
 USER: jmathco
 PLOT: 41DD-DB09-0204-01.dwg
 PLOTTER: HP DesignJet 5000



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM AND 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419381 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41SK-PASW-0103	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3G9		 BRITISH COLUMBIA	
DESIGNED	A.R. WISCHMANN	DATE	2004-04-02
DRAWN	C.J.L. LEONOR	DATE	2004-04-02
CHECKED	G. MURPHY	DATE	2004-04-23
APPROVED	J. MANG	DATE	2005-04-28

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 210+723.000 TO STA. 211+541.000

SENIOR DESIGN ENGINEER _____ DATE _____

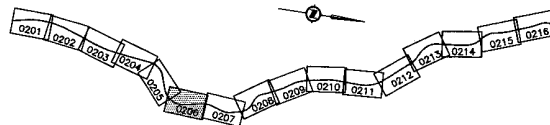
FILE No. 016315-EN10-S PROJECT No. 09901-7005 RES. 1 DRAWING No. 41DD-DB09-0205 | 0

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MATCHLINE - SEE DWG. No. 41DD-DB09-0205

MATCHLINE - SEE DWG. No. 41DD-DB09-0207



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	41DK-PASW-0103	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
	41DK-PASW-0104	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN	0	04-06-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1072 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: A.S. WINDMANN DATE: 2004-04-02
 DRAWN: G.H. LEONARD DATE: 2004-04-02
 CHECKED: S. HARRISON DATE: 2004-04-23
 APPROVED: T. SEGALA DATE: 2004-04-28

SCALE: 0 1:1000 50

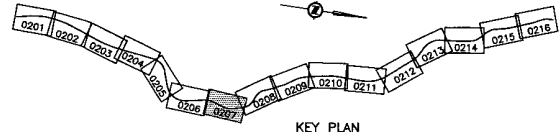
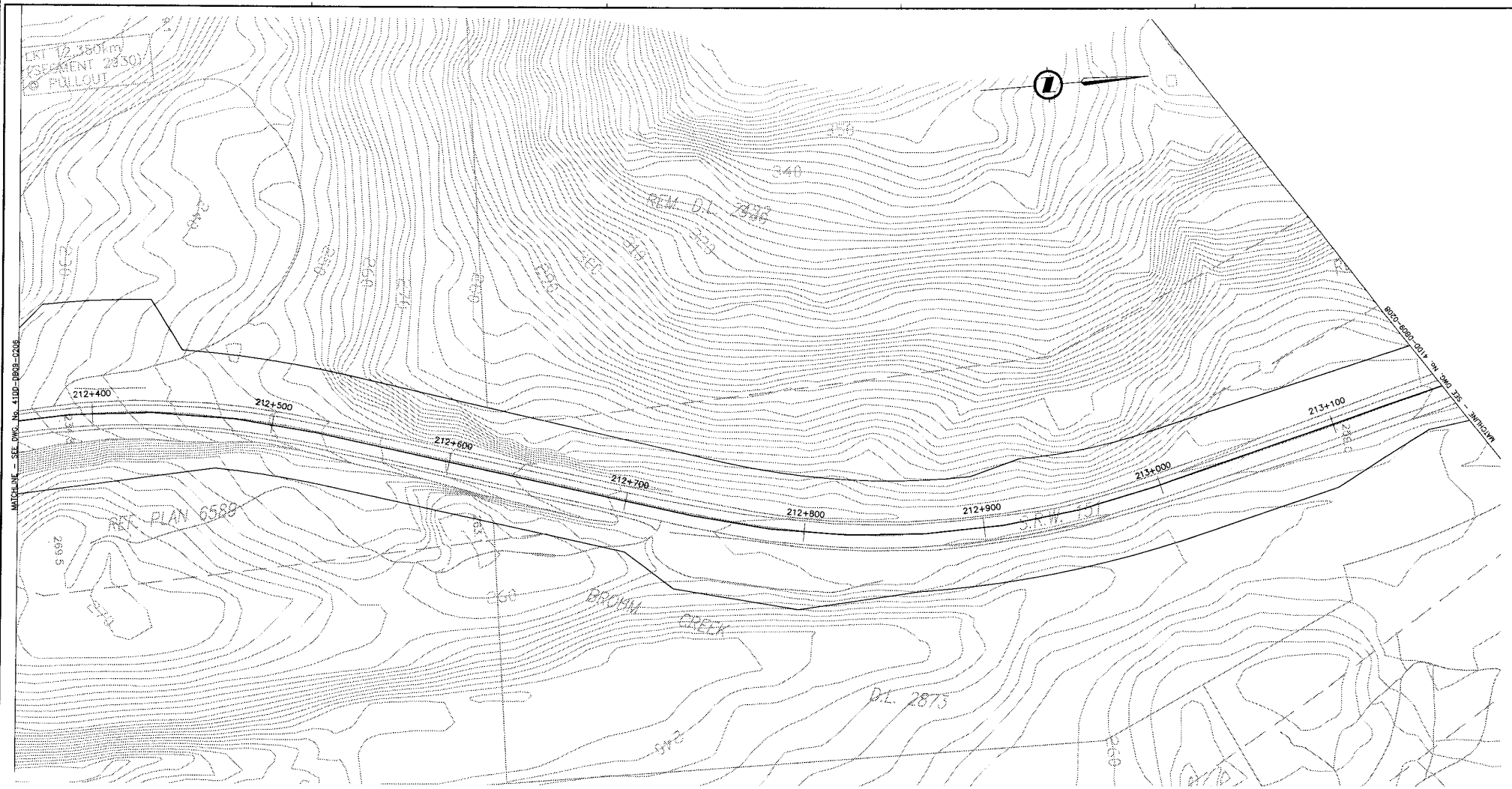
Rev.	Date	Description	Signature

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 211+541.000 TO STA. 212+360.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 REV. 1 DRAWING No. 41DD-DB09-0206 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	410K-PASB-0104	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED: A.S. WOODBURN DATE: 2004-04-02
 DRAWN: C.K. LEVOR DATE: 2004-04-02
 CHECKED: S. MCDONALD DATE: 2004-04-22
 APPROVED: T. TOSCANI DATE: 2004-04-22

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 212+360.000 TO STA. 213+162.000

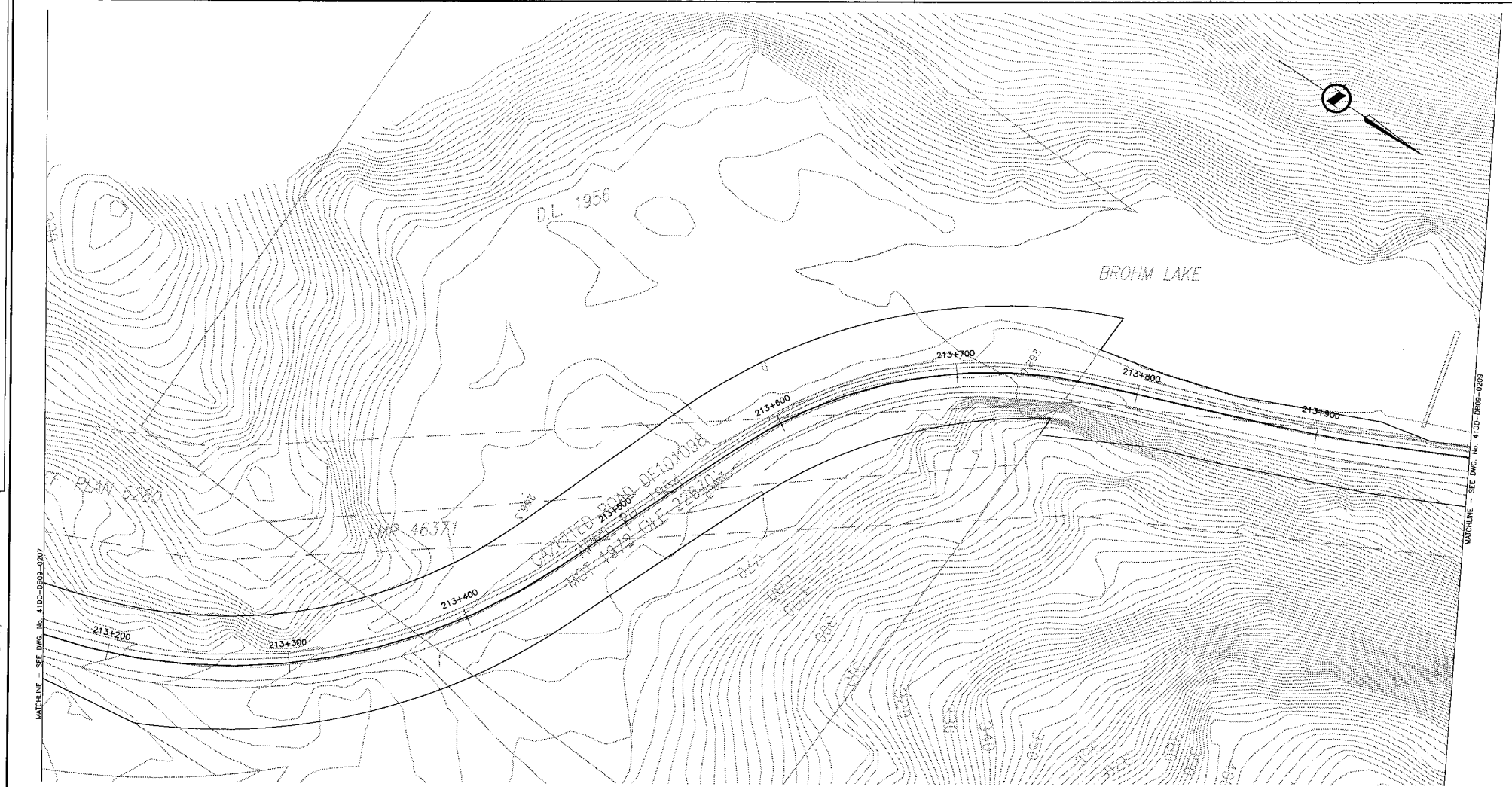
FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB09-0207

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

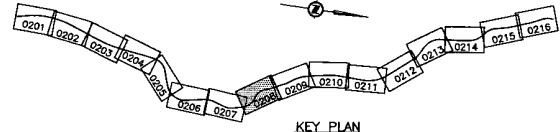
REVISIONS

DATE: 2004/04/22 1:58 PM to: 2004/04/22 1:58 PM - Proj: 09 - 09901-7005-1-020-000-0207.dwg (1:1) - 41DD-DB09-0207.dwg
 2007



MATCHLINE - SEE DWG. No. 41DD-DB09-0207

MATCHLINE - SEE DWG. No. 41DD-DB09-0209



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C8

DESIGNED: A.R. BRODSKI DATE: 2004-04-02
 DRAWN: C.L. LEMIRE DATE: 2004-04-02
 CHECKED: G. HEDRICK DATE: 2004-04-23
 APPROVED: J. TIGHE DATE: 2004-04-29

SCALE 0 1:1000 50

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-PASW-0105	SNC-LAVALIN - PRELIMINARY ALIGNMENT - PLAN	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
			0	04-06-17	ISSUED FOR TENDER	AW

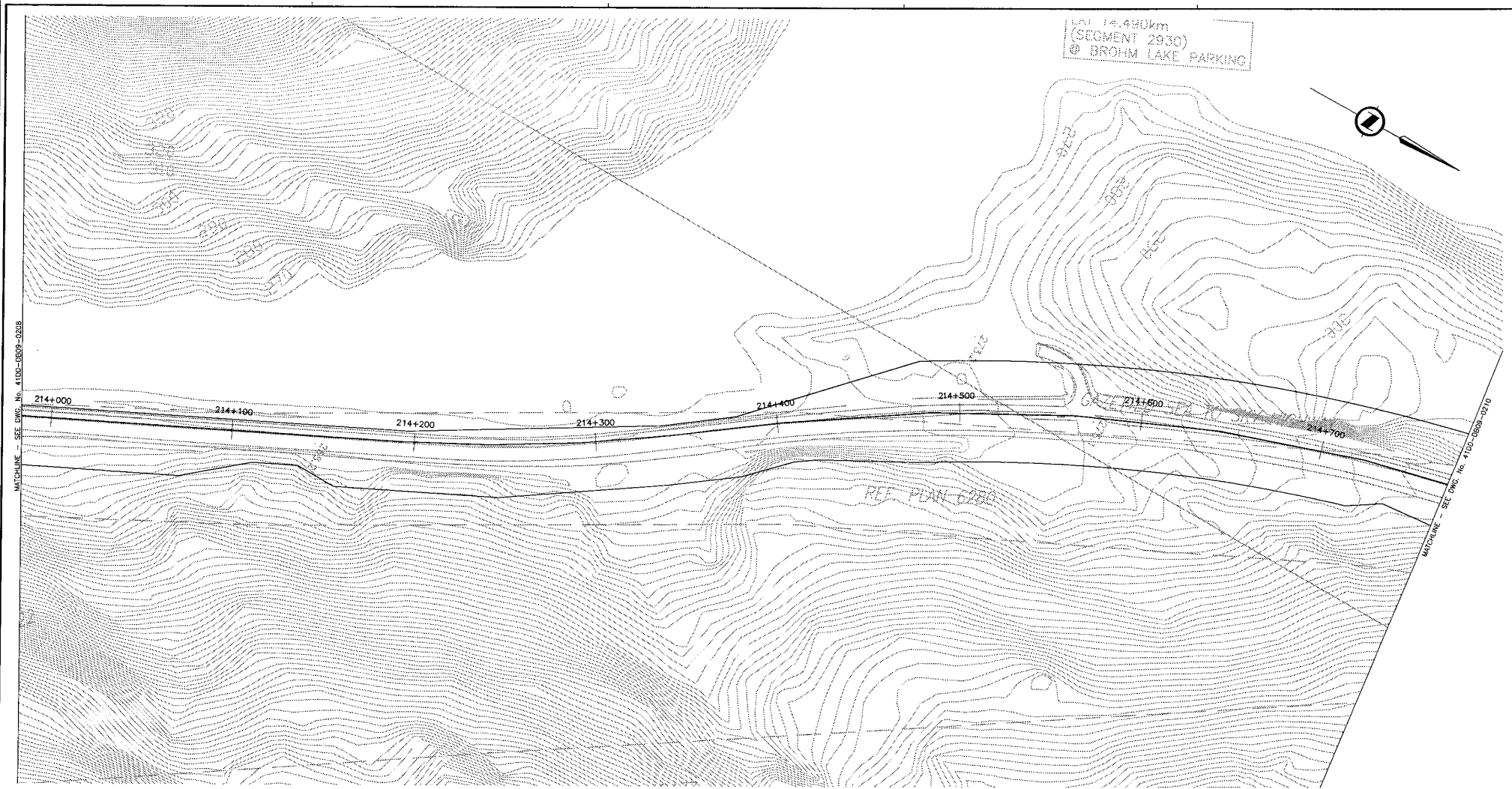
REFERENCE DRAWINGS

REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

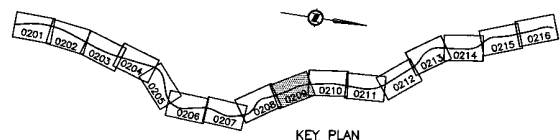
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 213+162.000 TO STA. 213+981.000

SENIOR DESIGN ENGINEER	DATE		DRAWING No.
FILE No.	PROJECT No.	REV.	DATE
016315-EN10-S	09901-7005	1	41DD-DB09-0208



MATCHLINE - SEE DWG. No. 41DD-DB09-0208

MATCHLINE - SEE DWG. No. 41DD-DB09-0210



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0105	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3Z9

DESIGNED: A.B. WOODSWORTH DATE: 2004-04-02
 DRAWN: S.H. LEWIS DATE: 2004-04-02
 CHECKED: S. HARRISON DATE: 2004-04-23
 APPROVED: T. SISKIWEI DATE: 2004-04-29

Rev	Date	Description	Signature
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0	04-08-17	ISSUED FOR TENDER	AW

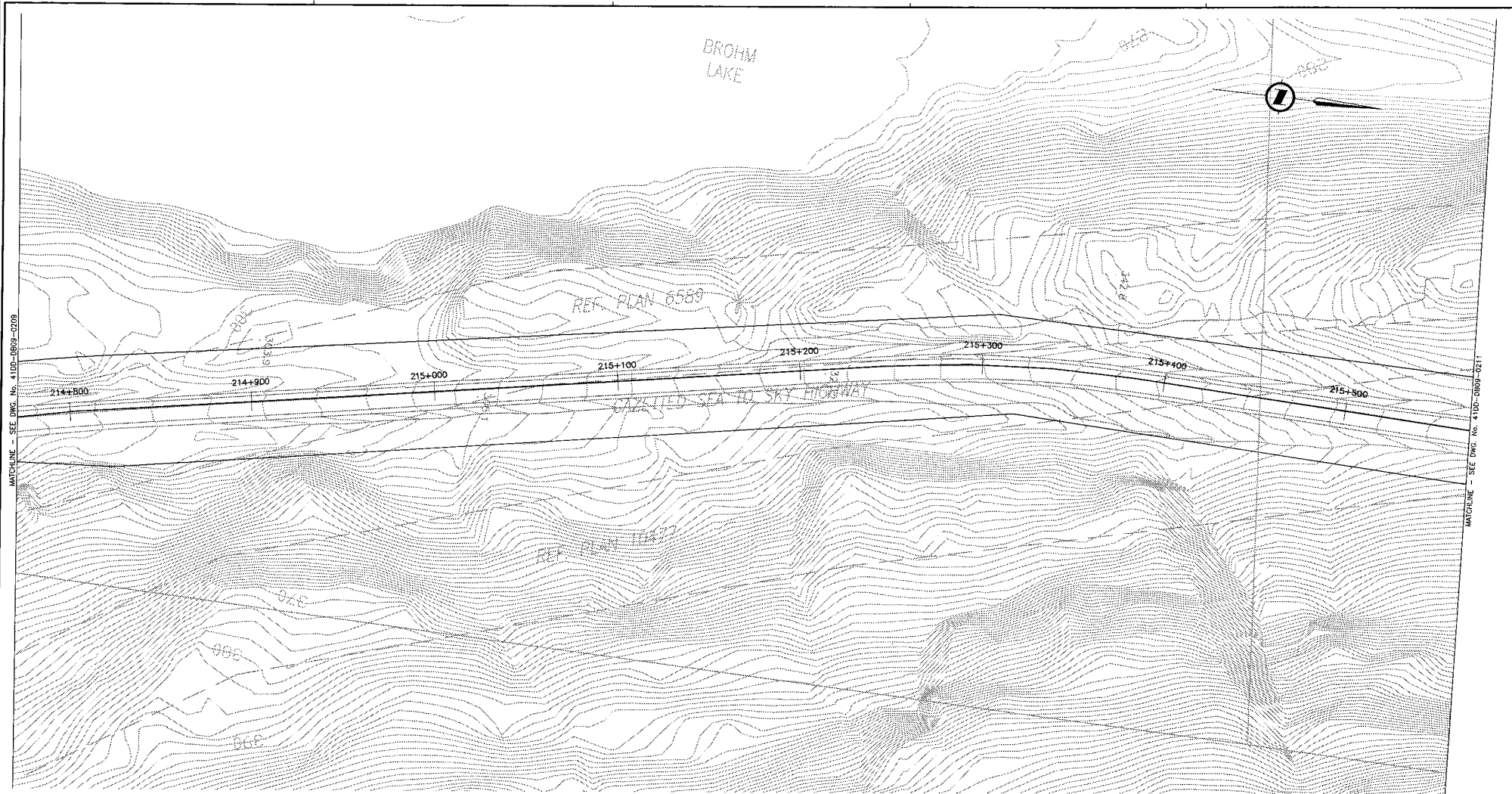
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 213+981.000 TO STA. 214+771.000

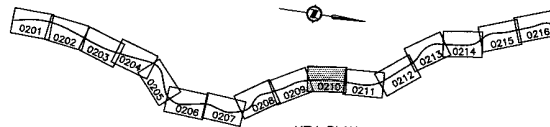
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016315-EN10-S	09901-7005	1	41DD-DB09-0209

PROJ: STS/AV/018172 - 100m to 300m - DBFO - DB9 - 41DD-DB09-0209 (1 of 2) - 2004-04-29
 DRAWN: S.H. LEWIS
 CHECKED: S. HARRISON
 APPROVED: T. SISKIWEI



MATCHLINE - SEE DWG. No. 41DD-DB09-0209

MATCHLINE - SEE DWG. No. 41DD-DB09-0211



NOTES:
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".

TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B': MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300.000m N AND 440.000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PASW-0106	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: A.R. WISCHMANN DATE: 2004-04-02
 DRAWN: G.H. LEONARD DATE: 2004-04-02
 CHECKED: S. MATHIAS DATE: 2004-04-23
 APPROVED: J. SSMAN DATE: 2004-04-29

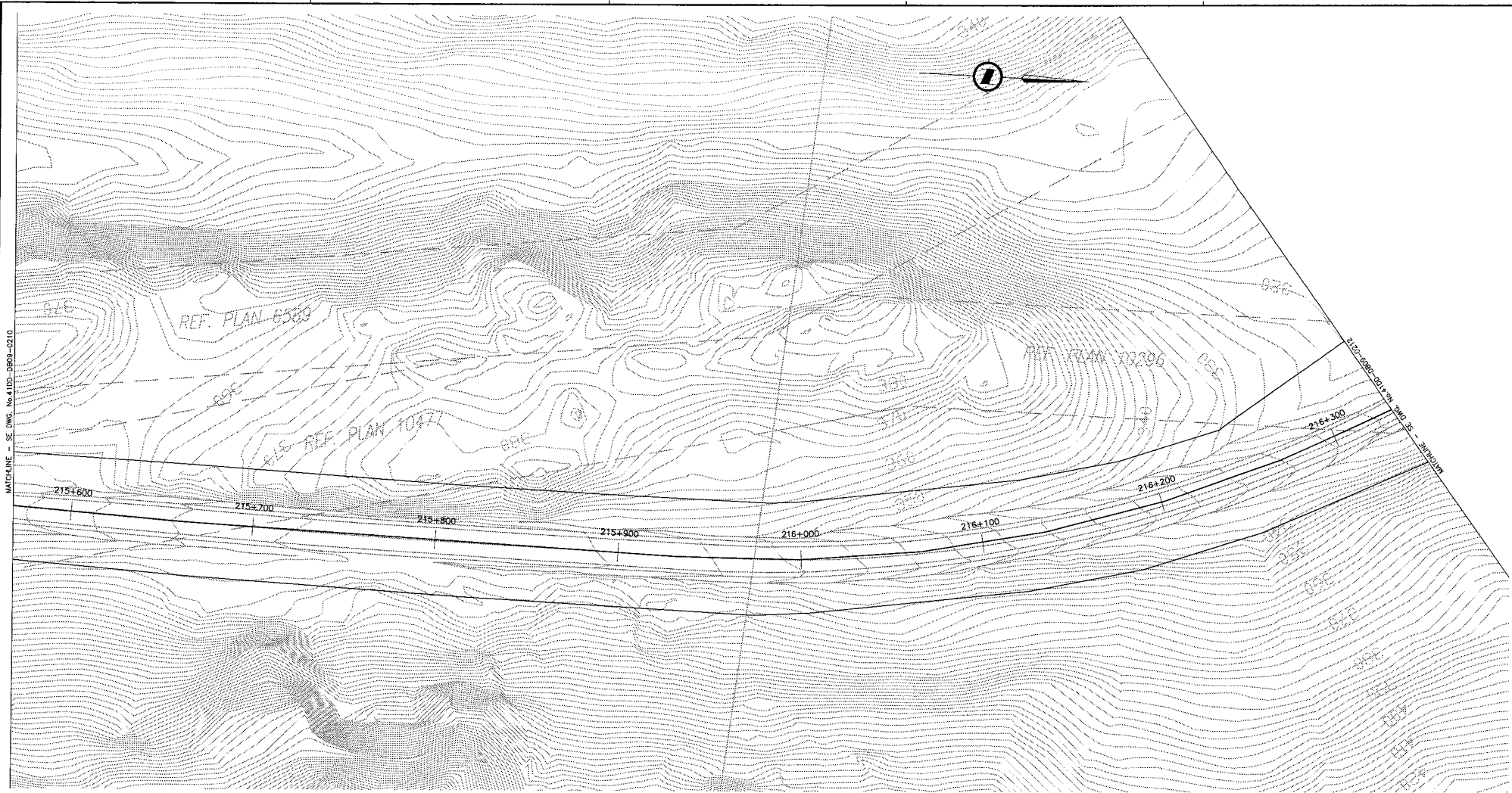
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

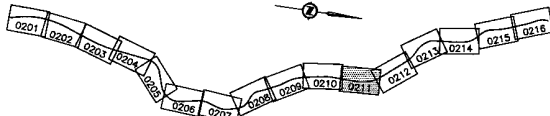
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 214+771.000 TO STA. 215+561.000

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB09-0210



MATCHLINE - SEE DWG. No. 41DD-DB09-0210



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0106	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: J.S. WOODMANN DATE: 2004-04-02
 DRAWN: S.H. LEONARD DATE: 2004-04-02
 CHECKED: S. MOUNDOU DATE: 2004-04-23
 APPROVED: J. TIGHE DATE: 2004-04-28

SCALE 0 1:1000 50

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ADW
0	04-08-17	ISSUED FOR TENDER	ADW

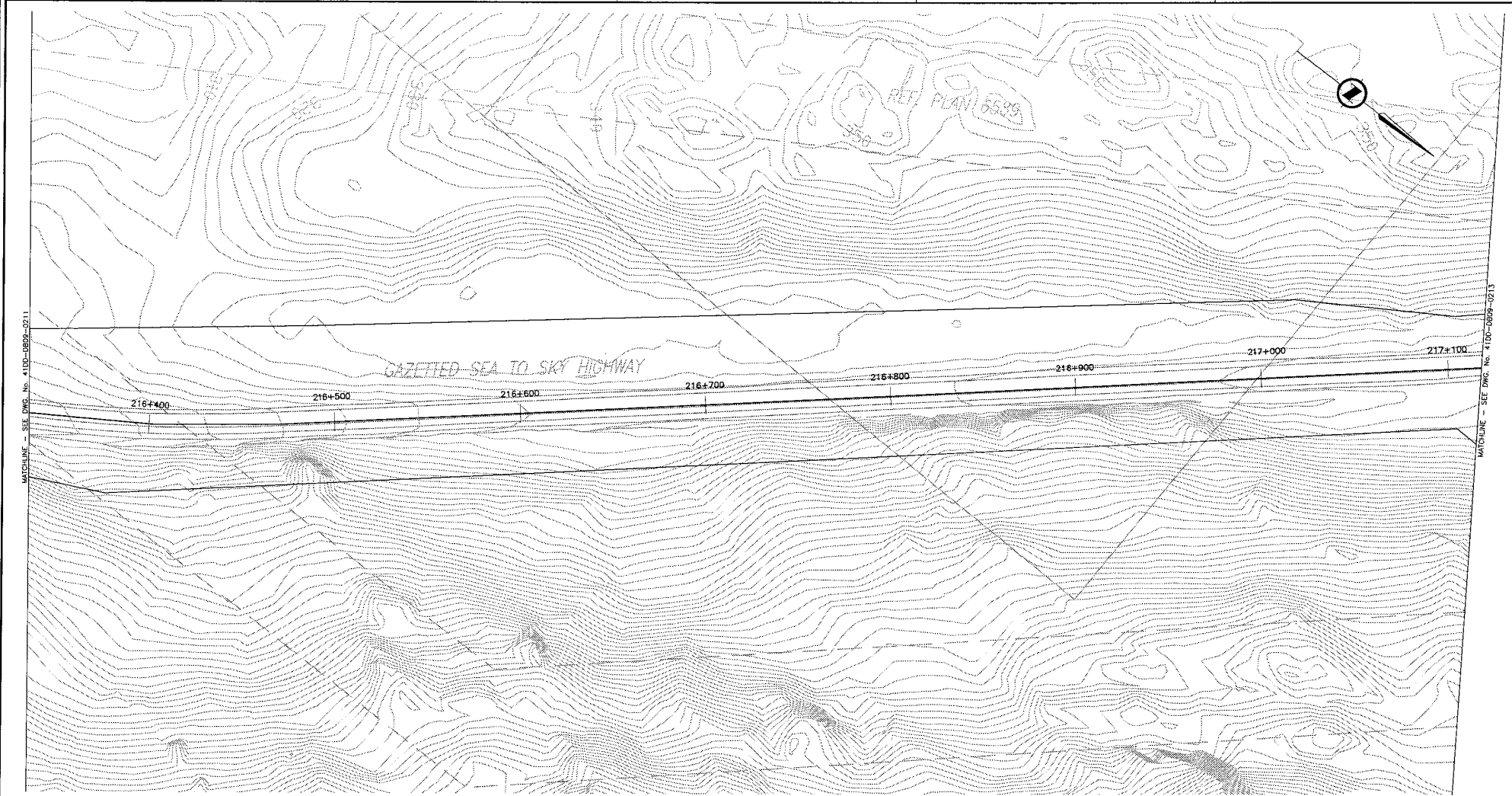
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 215+561.000 TO STA. 216+333.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB09-0211 0

DATE: 2004/04/02 11:21 AM TO: 2004/04/02 11:21 AM FROM: S.H. LEONARD TO: S.H. LEONARD PROJECT: 09901-7005 DRAWING: 41DD-DB09-0211

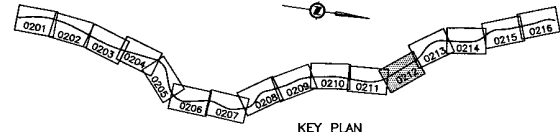


MATCHLINE - SEE DWG. No. 41DD-DB09-0211

MATCHLINE - SEE DWG. No. 41DD-DB09-0213

GAZETTED SEA TO SKY HIGHWAY

216+400 216+500 216+600 216+700 216+800 216+900 217+000 217+100



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0107	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

SNC-LAVALIN
 1800 - 1072 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 2G9

DESIGNED: A.A. BACHMANN DATE: 2004-04-02
 DRAWN: C.H. LEONOR DATE: 2004-04-02
 CHECKED: S. MARSDEN DATE: 2004-04-23
 APPROVED: T. SOMMER DATE: 2004-04-28

SCALE: 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 216+333.000 TO STA. 217+110.000

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

FILE No.	PROJECT No.	REV.	DRAWING No.
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REFERENCE DRAWINGS

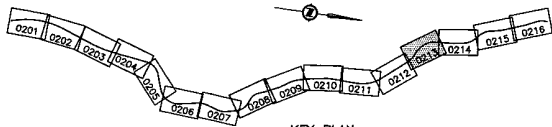
REVISIONS

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MATCHLINE - SEE DWG. No. 41DD-DB09-0212

MATCHLINE - SEE DWG. No. 41DD-DB09-0214



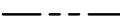


NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.

THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".

TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000418361 THEN ADD 300,000m N AND 400,000m E.

ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.


LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION


PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB09-0107	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

KEY PLAN

REFERENCE DRAWINGS




SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9




SCALE 0 50 100 1:1000

DESIGNED A.S. WACHSMAN DATE 2004-04-02
 DRAWN G.A. LEONOR DATE 2004-04-02
 CHECKED S. MEDVECA DATE 2004-04-30
 APPROVED J. TRSNER DATE 2004-05-24

Rev	Date	Description	Signature
PA	04-04-02	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

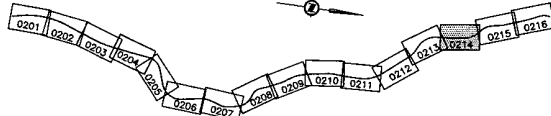
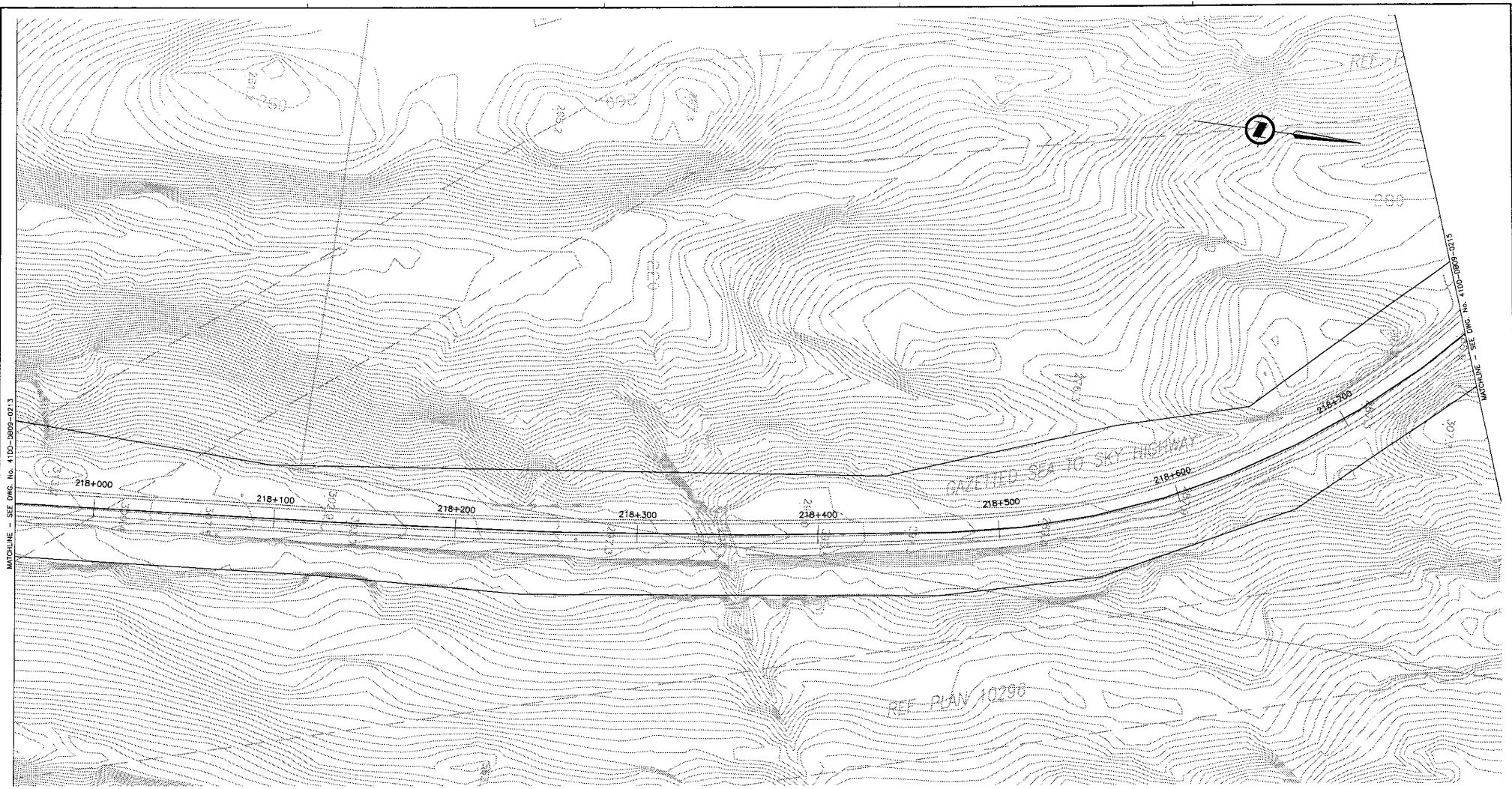


MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT



DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 217+110.000 TO STA. 217+954.000

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE No. PROJECT No. REG. DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB09-0213 | 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B': MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0108	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 9901	
DESIGNED	A.R. BROSBAMM	DATE	2004-04-02
DRAWN	G.H. LAZOR	DATE	2004-04-02
CHECKED	S.L. HOPKINS	DATE	2004-04-02
APPROVED	J. SHAW	DATE	2004-04-02
Rev	Date	Description	Signature
PK	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
O	04-08-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

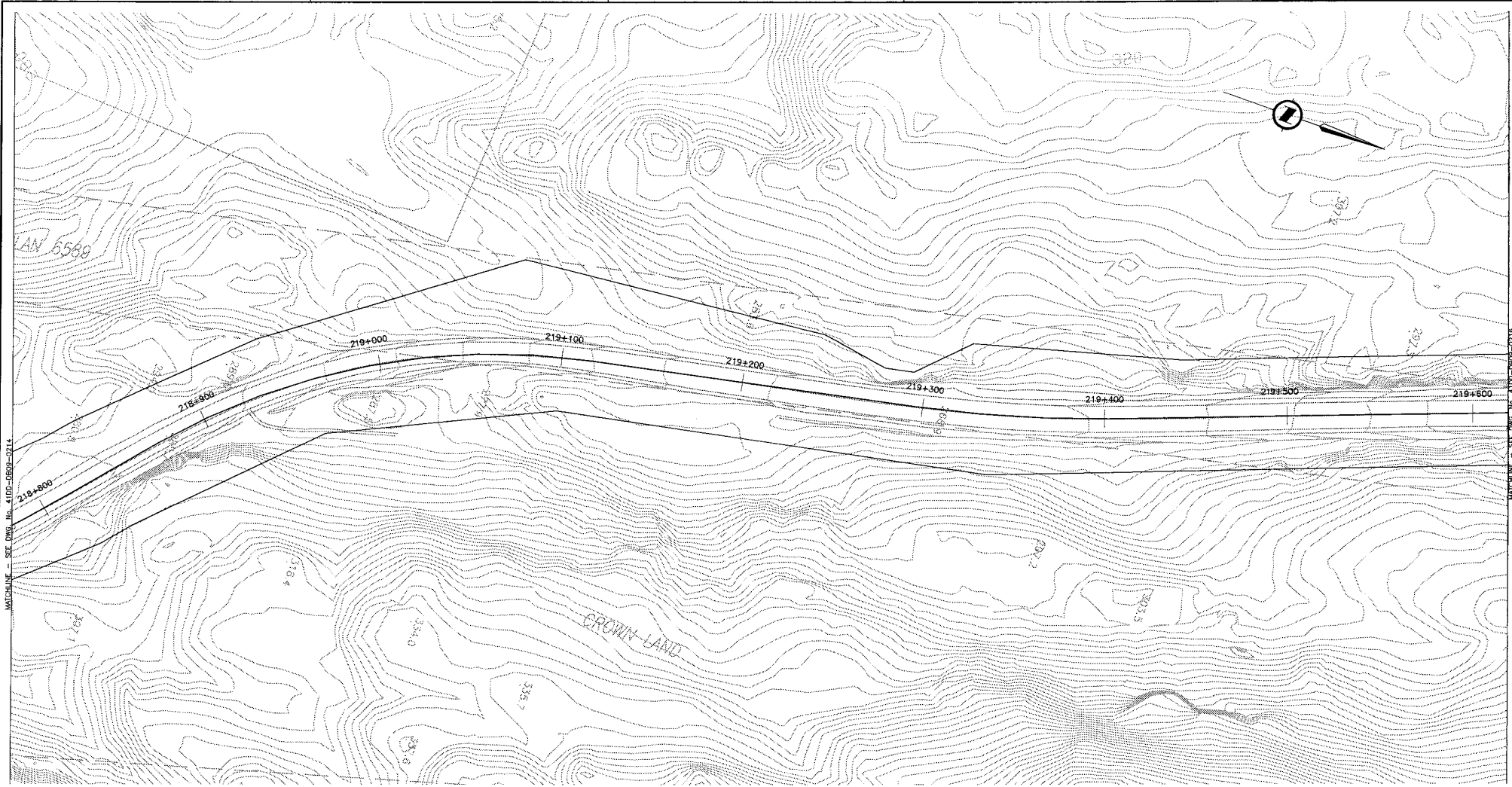
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB9
 DEPOT ROAD TO CULLITON CREEK
 STA. 217+954.000 TO STA. 218+770.000

SPONSOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB09-0214 0

MATCHLINE - SEE DWG. No. 41DD-DB00-0213

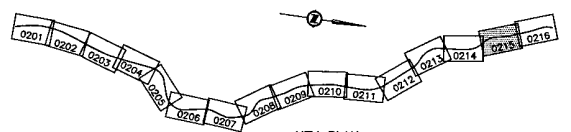
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DATE: 2004-04-02 11:30 AM
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 PROJECT: 09901-7005
 DRAWING: 41DD-DB09-0214



MATCHLINE - SEE DWG. No. 41DD-DB09-0214

MATCHLINE - SEE DWG. No. 41DD-DB09-0216



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 450,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL, BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PASW-0108	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

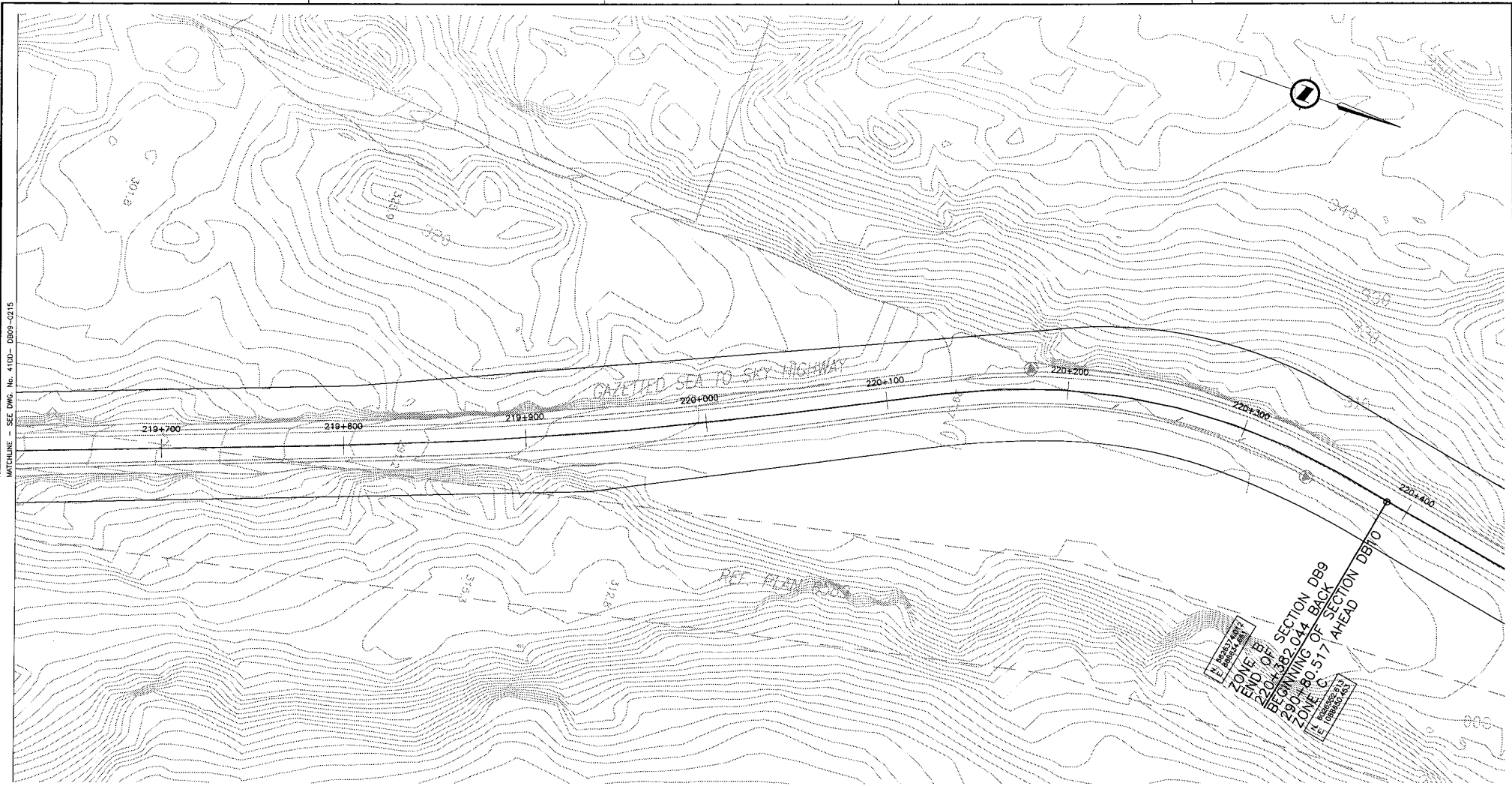
REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3G9		 BRITISH COLUMBIA	
SCALE 0 1:1000 50		DESIGNED A.R. WACHMANN DATE 2004-04-02 DRAWN C.J. LEONARD DATE 2004-04-02 CHECKED G. MATHREDDY DATE 2004-04-23 APPROVED J. TOSCANO DATE 2004-04-29	
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
O	04-08-17	ISSUED FOR TENDER	ARW

REVISIONS

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB9 DEPOT ROAD TO CULLITON CREEK STA. 218+770.000 TO STA. 219+609.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB09-0215 0

MATCHLINE - SEE DWG. No. 41DD-DB09-0215






END OF SECTION DB9
BEGINNING OF SECTION DB10
290+000.04 BACK
ZONE 'C'
290+80.517 AHEAD
ZONE 'B'

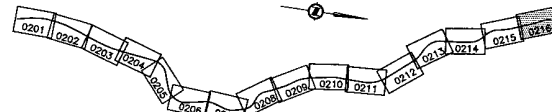
NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWINGS 41DD-DB00-0005.

THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'B' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 132m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".

TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'B', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000419361 THEN ADD 300,000m N AND 400,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION



KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DK-PADN-0109	SNC LAVALIN - PRELIMINARY ALIGNMENT - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED: A.S. WOODMANN DATE: 2001-01-21
DRAWN: C.H. LEONOR DATE: 2004-04-23
CHECKED: G. MOONDOO DATE: 2004-04-23
APPROVED: J. TAMM DATE: 2004-04-23

SCALE 0 1:1000 50

Rev	Date	Description	Signature
PA	04-04-06	ISSUED FOR REQUEST FOR PROPOSAL	AW
C	04-08-17	ISSUED FOR TENDER	AW

Rev	Date	Description	Signature

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB9
DEPOT ROAD TO CULLITON CREEK
STA. 219+609.000 TO STA. 220+382.044(290+80.517)

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No. 016315-EN10-S PROJECT No. 099011-7005 REV. 1 DRAWING No. 41DD-DB09-0216 | 0

DATE: 2004/04/23 7:54 AM TO: S:\17 - CAD\04 - DWG\18 - Design\1\10\015-DB09-0215-41DD-DB09-0216.dwg BY: JAW



BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

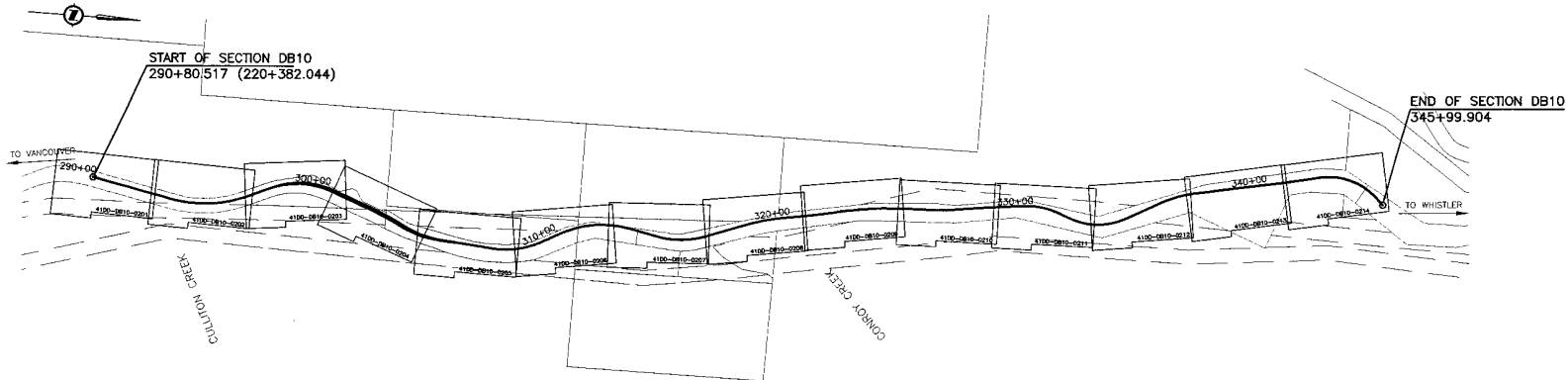
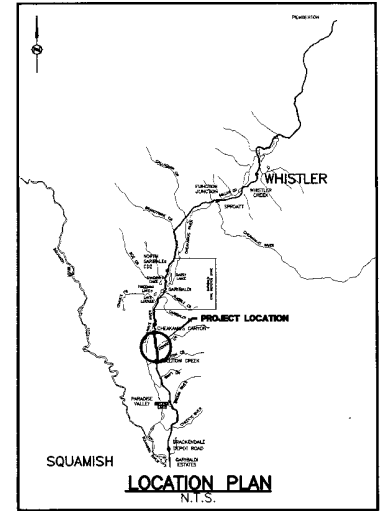
PROJECT No. 09901

Section DB10

Culliton Creek to Cheakamus Canyon

DRAWING INDEX

- 41DD-DB10-0000 0 COVER SHEET
- 41DD-DB10-0001 0 PLAN, PROFILE, LANING SCHEMATIC
- 41DD-DB10-0201 0 RIGHT-OF-WAY PLAN STA 290+80.517 TO STA 293+60.000 (220+382.044)
- 41DD-DB10-0202 0 RIGHT-OF-WAY PLAN STA 293+60.000 TO STA 297+85.000
- 41DD-DB10-0203 0 RIGHT-OF-WAY PLAN STA 297+85.000 TO STA 301+25.000
- 41DD-DB10-0204 0 RIGHT-OF-WAY PLAN STA 301+25.000 TO STA 305+25.000
- 41DD-DB10-0205 0 RIGHT-OF-WAY PLAN STA 305+25.000 TO STA 309+25.000
- 41DD-DB10-0206 0 RIGHT-OF-WAY PLAN STA 309+25.000 TO STA 313+30.000
- 41DD-DB10-0207 0 RIGHT-OF-WAY PLAN STA 313+30.000 TO STA 317+30.000
- 41DD-DB10-0208 0 RIGHT-OF-WAY PLAN STA 317+30.000 TO STA 321+45.000
- 41DD-DB10-0209 0 RIGHT-OF-WAY PLAN STA 321+45.000 TO STA 325+40.000
- 41DD-DB10-0210 0 RIGHT-OF-WAY PLAN STA 325+40.000 TO STA 329+40.000
- 41DD-DB10-0211 0 RIGHT-OF-WAY PLAN STA 329+40.000 TO STA 333+45.000
- 41DD-DB10-0212 0 RIGHT-OF-WAY PLAN STA 333+45.000 TO STA 337+65.000
- 41DD-DB10-0213 0 RIGHT-OF-WAY PLAN STA 337+65.000 TO STA 341+60.000
- 41DD-DB10-0214 0 RIGHT-OF-WAY PLAN STA 341+60.000 TO STA 345+99.904



KEY PLAN
0 1:10000 500

PROFESSIONAL SEAL	DWG. No.	Description

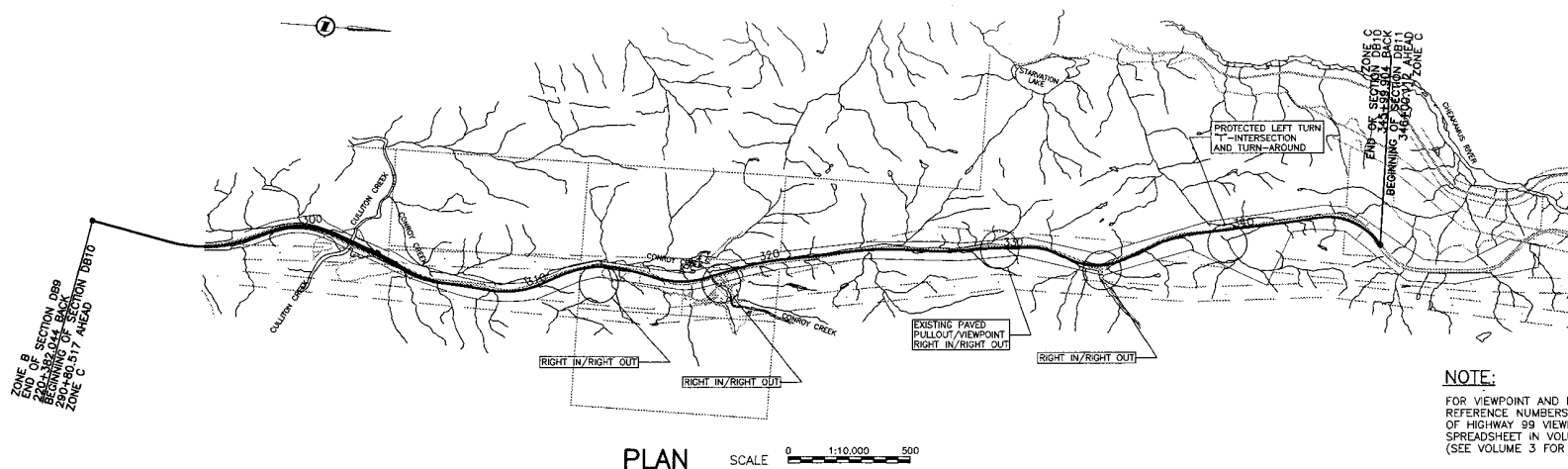
Rev	Date	Description	Signature
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1	04-08-17	ISSUED FOR TENDER	AWK

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

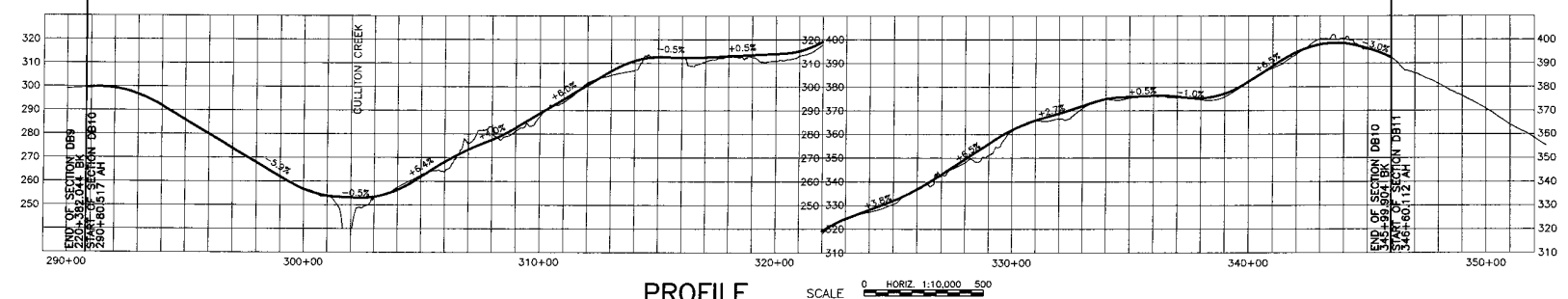
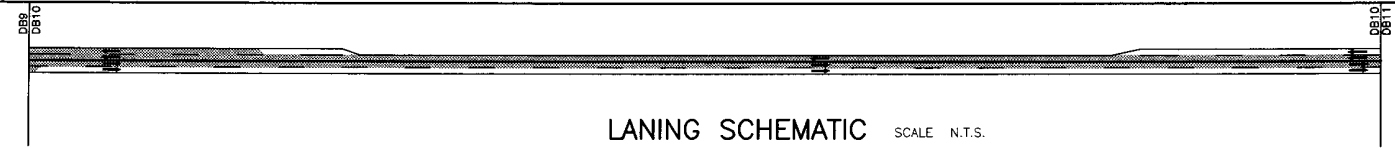
DBFO - HORSESHOE BAY TO WHISTLER
COVER SHEET
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON
STA. 290+80.517(220+382.044) TO STA. 345+99.904

FILE No.	PROJECT No.	REG.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB10-0000

DATE: 2004-02-25
 PATH: E:\PROJECTS\10115 - Sea to Sky\1 - Civil\DWG - Rev\41DD-DB10-0000-Rev.dwg
 C:\PROG\SOLO



NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)



DATE: 2004-02-25
 DRAWN BY: M. SHERK / C. LAW
 CHECKED BY: S. MURPHY
 APPROVED BY: J. SHERK

PROFESSIONAL SEAL	DWG. No.	Description
	19-448-1101	EXHIBIT TECH - PRELIMINARY DESIGN - PLAN

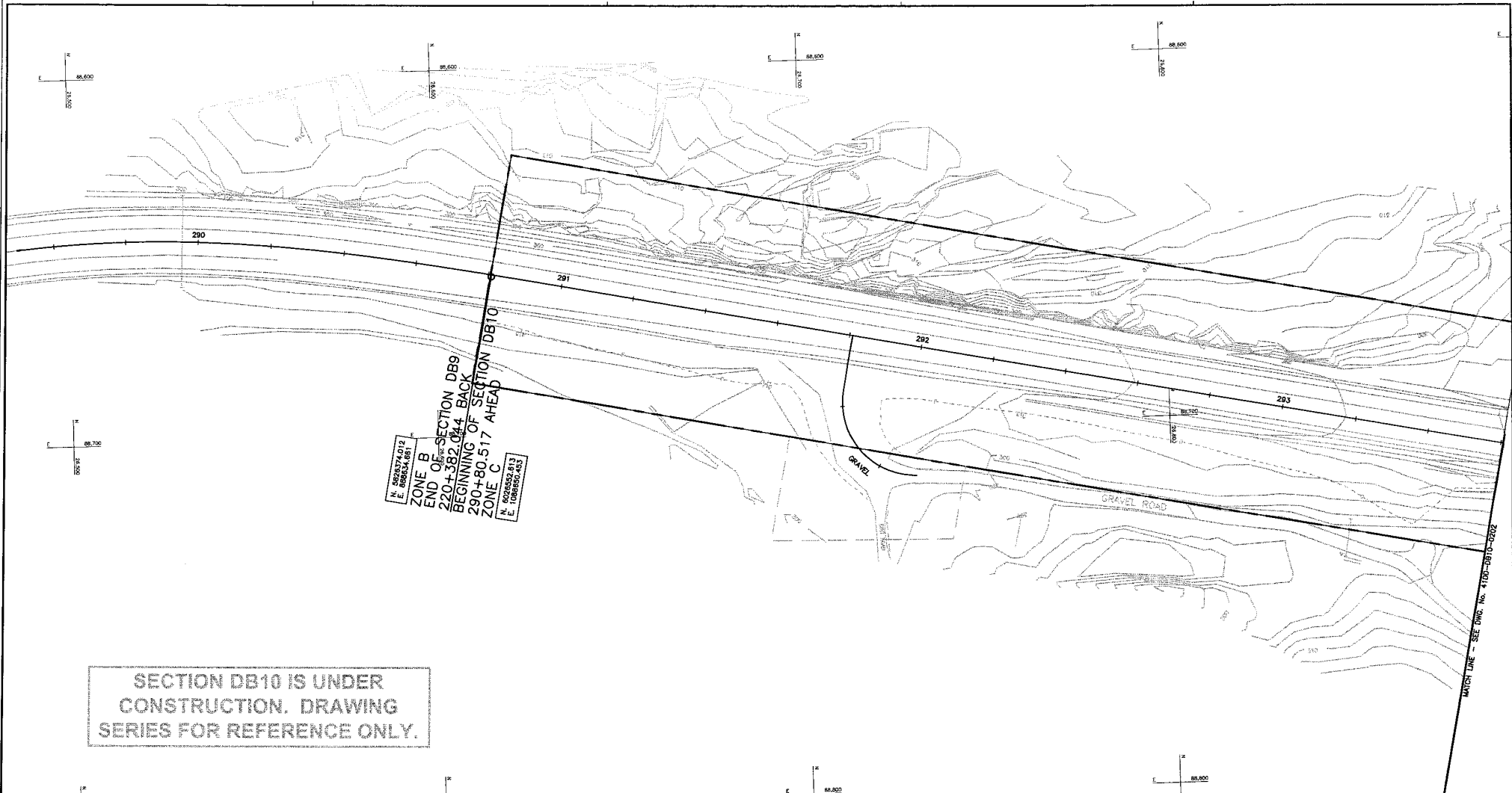
Rev.	Date	Description	Signature
1A	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	AW
1B	04-07-00	REVISED FOR REQUEST FOR PROPOSAL	AW
1	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

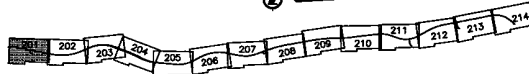
DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON
 STA. 290+80.517(220+382.044) TO STA. 345+99.904

SENOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB10-0001 0



N. 8294374.012
 E. 8896534.861
 ZONE B
 END OF SECTION DB9
 220+382.044
 BEGINNING OF SECTION DB10
 290+80.517 AHEAD
 ZONE C
 N. 8043827.813
 E. 10888818.845

SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	A1-448-1101	ENGR TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

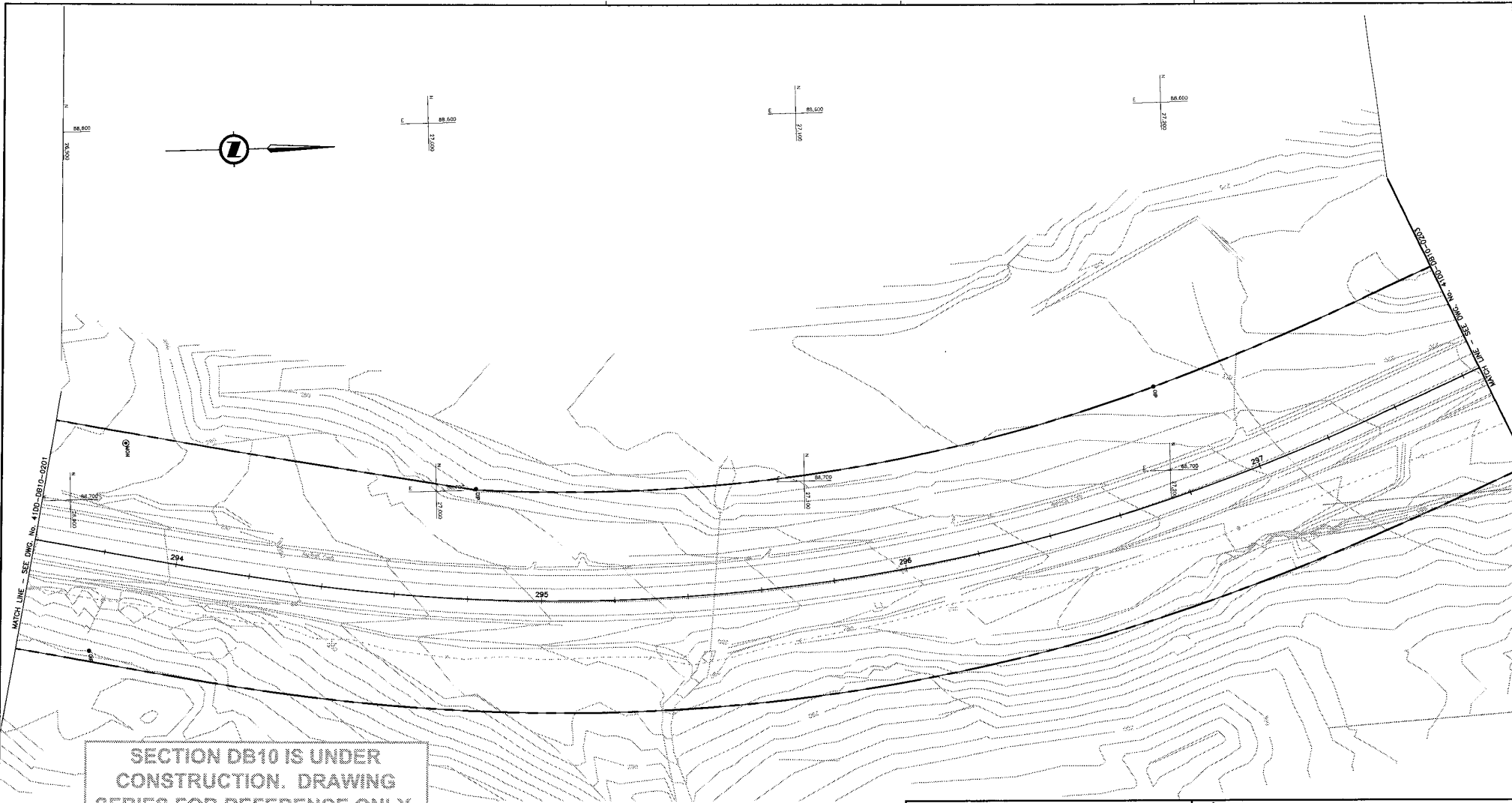
SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		BRITISH COLUMBIA	
DESIGNED BY: M. LICHTENBERGER DATE: 2004-02-28		DRAWN BY: M. LORER DATE: 2004-03-26	
CHECKED BY: S. WOODS, M. MORTON DATE: 2004-04-22		APPROVED BY: J. ZIGLER DATE: 2004-04-29	
Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-05-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 290+80.517(220+382.044) TO STA 293+60

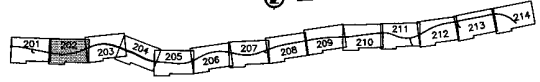
SENIOR DESIGN ENGINEER _____ DATE _____
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DATE: 2004-04-22 11:56 AM by: S:\A1 - CIVIL - CHLOU - Proj\01 - DB10 - 0201\0201-0201.dwg
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NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-0900-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE "C" ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE "C", MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000481892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
R1-448-H102	EARTH TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada. V6E 3C9

DESIGNED: M. LICHTENSTEINER DATE: 2004-02-25
 DRAWN: M. PIERRE DATE: 2004-03-24
 CHECKED: B. SHARPLESS/MARCOLO DATE: 2004-04-21
 APPROVED: T. TOSCANO DATE: 2004-04-22

Rev.	Date	Description	Signature
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0	04-06-17	ISSUED FOR TENDER	AWP

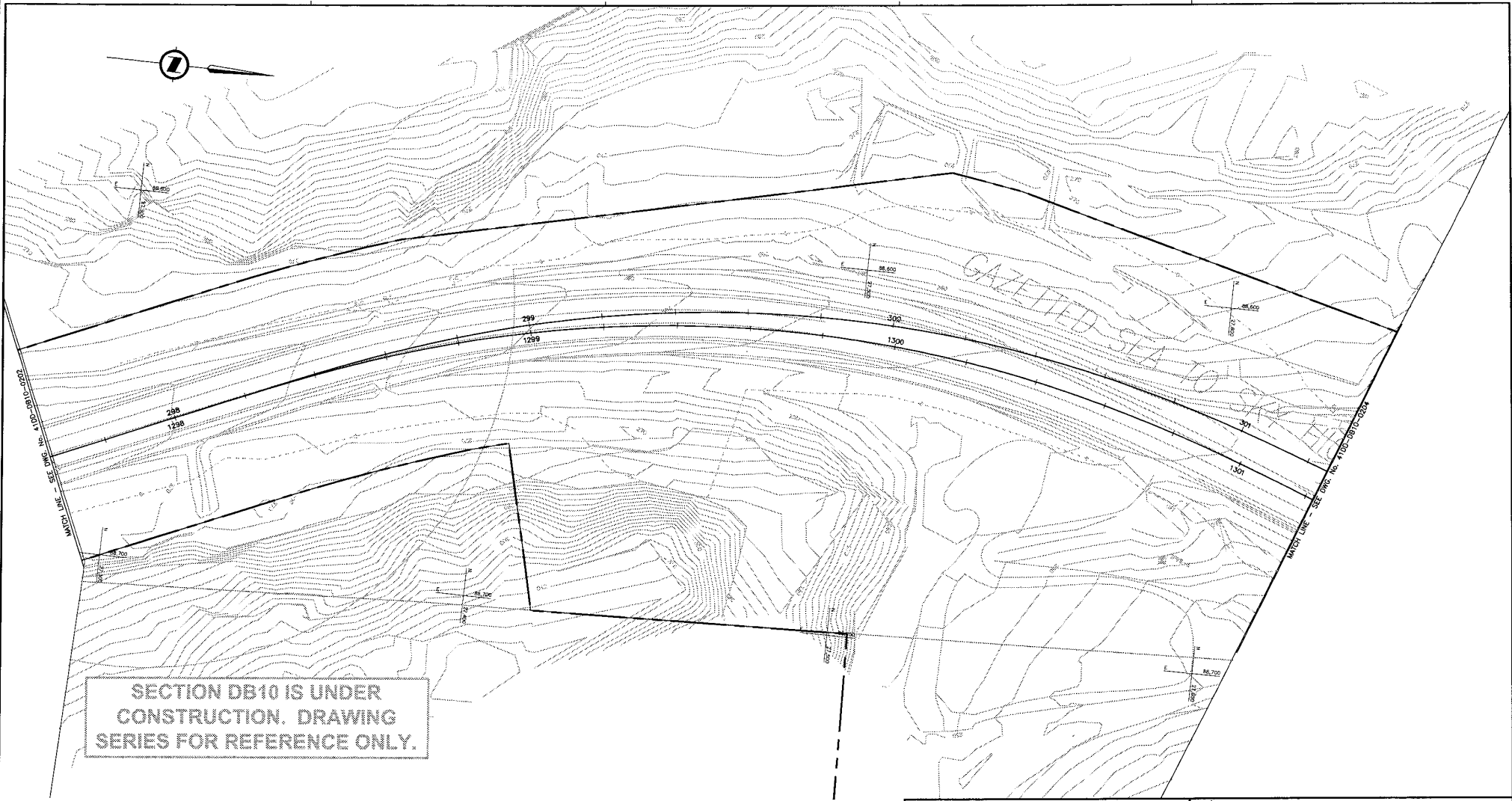
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

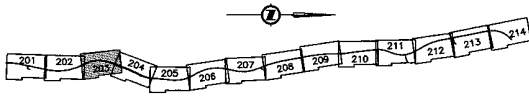
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 293+60 TO STA 297+65

SENIOR DESIGN ENGINEER	FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
	016315-EN10-S	09901-7005	1		41DD-DB10-0202 0

DATE: 2004/04/22 10:54 AM
 USER: jstewart
 PROJECT: 09901-7005
 DRAWING: 41DD-DB10-0202
 SHEET: 01 OF 01
 SCALE: 1:500
 TITLE: DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 293+60 TO STA 297+65



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451682 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-1103	EARTH TECH - PRELIMINARY DESIGN - PLAN

REVISIONS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AWP
D	04-08-17	ISSUED FOR TENDER	AWP

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

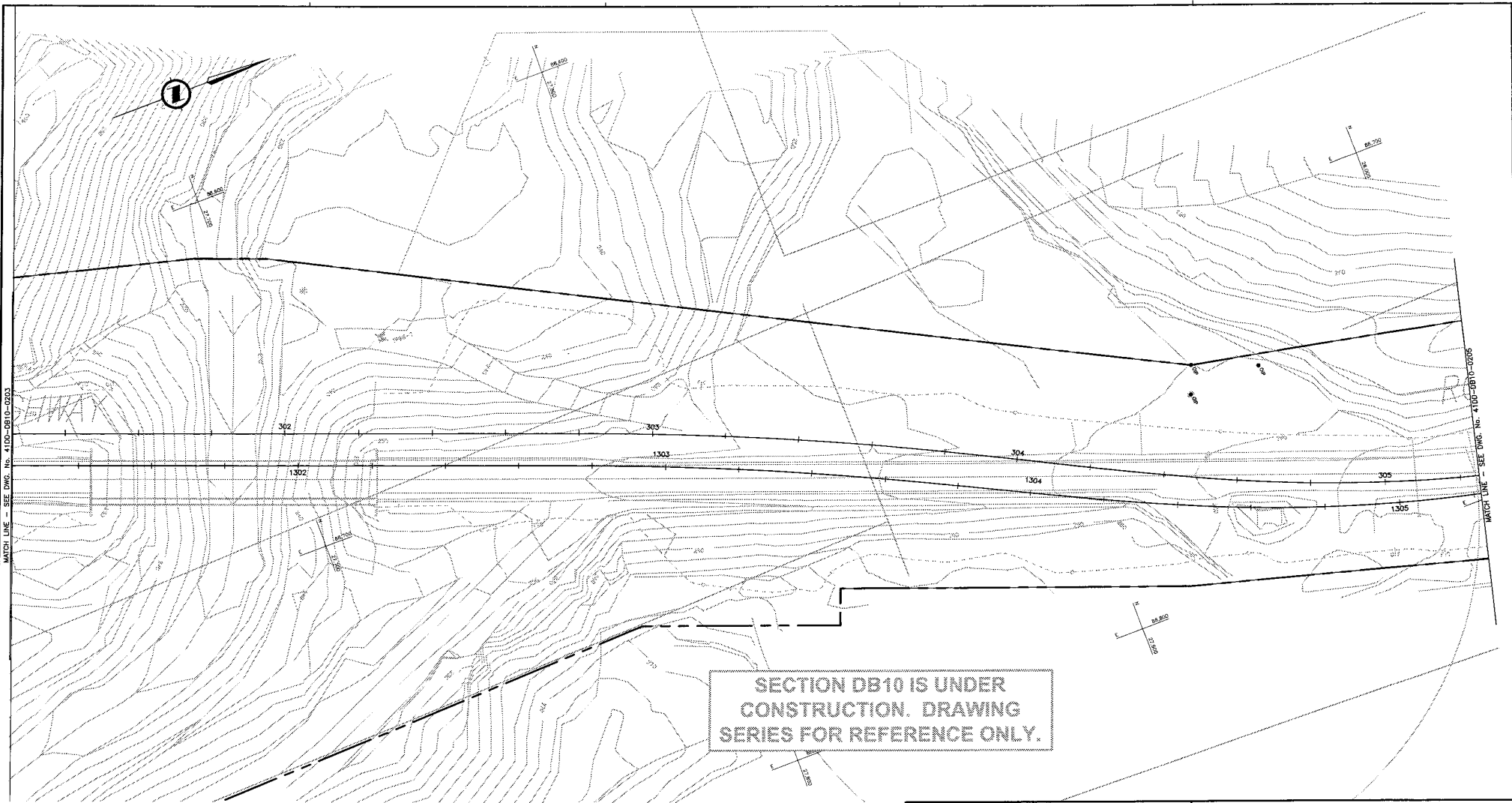
DESIGNED M. LIGHTSPEED **DATE** 2004-02-28
DRAWN M. SPICK **DATE** 2004-03-29
CHECKED A. BROWN/9.104/003 **DATE** 2004-04-21
APPROVED J. TOSCANO **DATE** 2004-04-28

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 297+65 TO STA 301+25

SENIOR DESIGN ENGINEER _____ DATE _____
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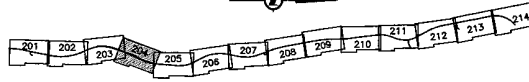
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MATCH LINE - SEE DWG. No. 4100-DB10-0203

MATCH LINE - SEE DWG. No. 4100-DB10-0205

SECTION DB10 IS UNDER
CONSTRUCTION. DRAWING
SERIES FOR REFERENCE ONLY.



KEY PLAN

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE "C" ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM LTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE "C", MULTIPLY THE LTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000431692 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	R1-448-1104	EARTH TECH - PRELIMINARY DESIGN - PLAN	0	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			0	04-08-17	ISSUED FOR TENDER	ARW

SNC-LAVALIN

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3C9

DESIGNED: M. LICHTENSTEINER DATE: 2004-02-25
DRAWN: M. FRODE DATE: 2004-03-28
CHECKED: S. WOODS, M. HERRICK DATE: 2004-04-28
APPROVED: J. LESLIE DATE: 2004-04-29

SCALE 0 1:500 25

Rev.	Date	Description	Signature
0	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION

SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER

RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 301+25 TO STA 305+25

SENIOR DESIGN ENGINEER	PROJECT No.	REV.	DATE	DRAWING No.
	016315-EN10-S	09901-7005	1	4100-DB10-0204

DATE: 2004-03-28
DWG. NUMBER: 4100-DB10-0204
SCALE: 1:500
PROJECT: SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
SECTION: DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 301+25 TO STA 305+25



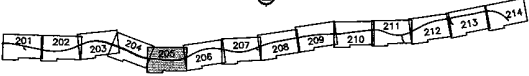
CONROY CREEK

LMP 47481

MATCH LINE - SEE DWG. NO. 41DD-DB10-0204

MATCH LINE - SEE DWG. NO. 41DD-DB05-0205

SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



KEY PLAN

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE '315 2002 PROJECT GRID COORDINATE SYSTEM'.
TO CONVERT FROM UTM NAD 83 TO THE 315 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-H125	EARTH TECH - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3C9

DESIGNED: M. LICHTENBERGER DATE: 2004-02-25
DRAWN: M. ENDE DATE: 2004-03-24
CHECKED: B. BROWN/EL. HEDRICK DATE: 2004-04-21
APPROVED: J. TISSIER DATE: 2004-04-22

SCALE: 0 1:500 25

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

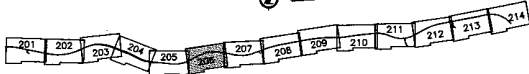
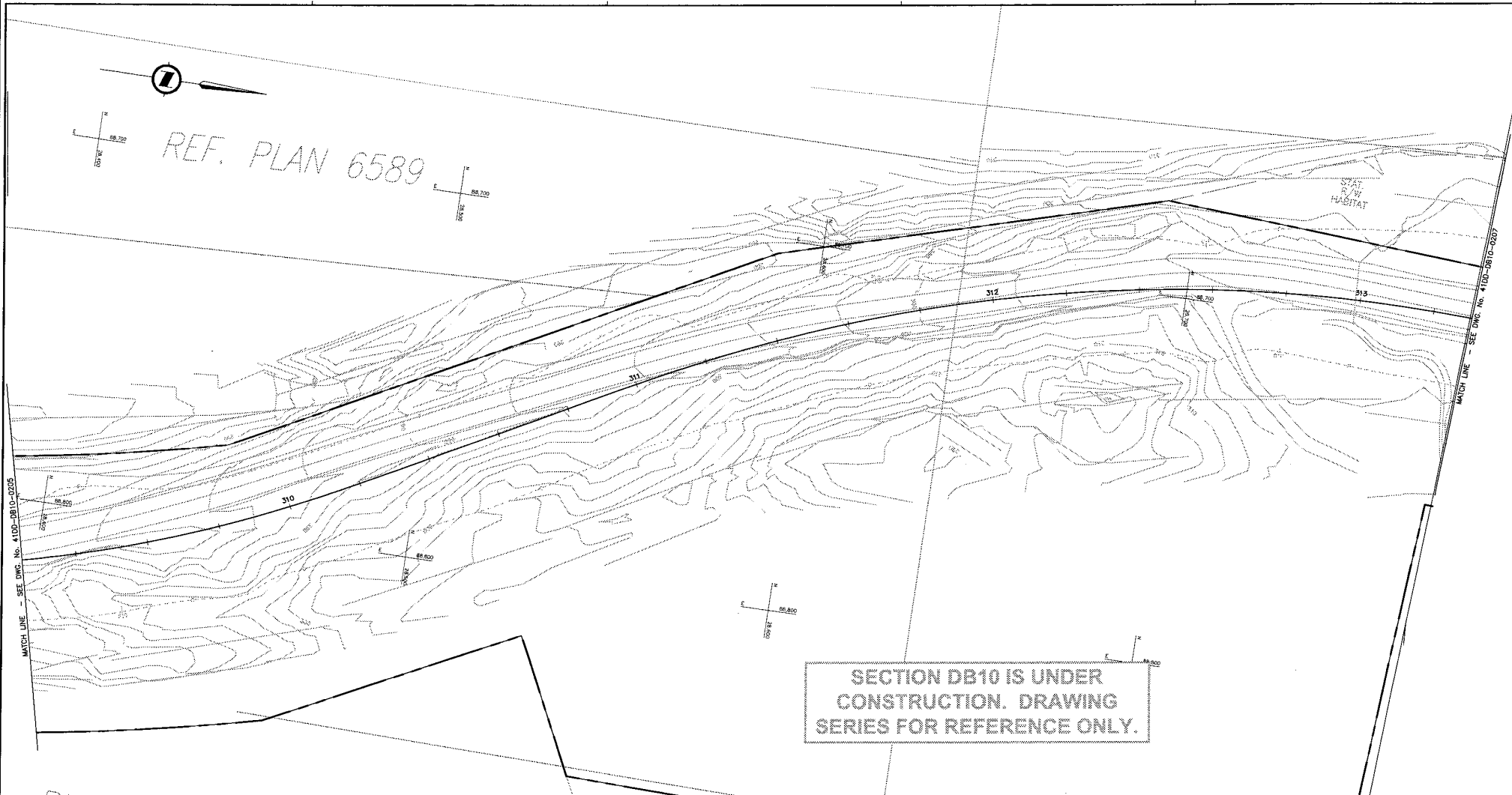
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 305+25 TO STA 309+25

SENIOR DESIGN ENGINEER DATE

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB10-0205 0

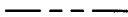
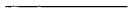

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PLOT FILE: \\SNC-L\PROJECTS\315-2002\315-2002-DB10-0205-0205.dwg
PLOTTER: HP DesignJet 500C

REF. PLAN 6589



KEY PLAN

LEGEND

-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB10-0205.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM MAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM MAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-1106	EARTH TECH - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED M. LICHTENSTADT DATE 2004-02-23
 DRAWN M. JORON DATE 2004-03-04
 CHECKED S. BROWN/ S. MORGAN DATE 2004-04-23
 APPROVED J. SHERA DATE 2004-04-29

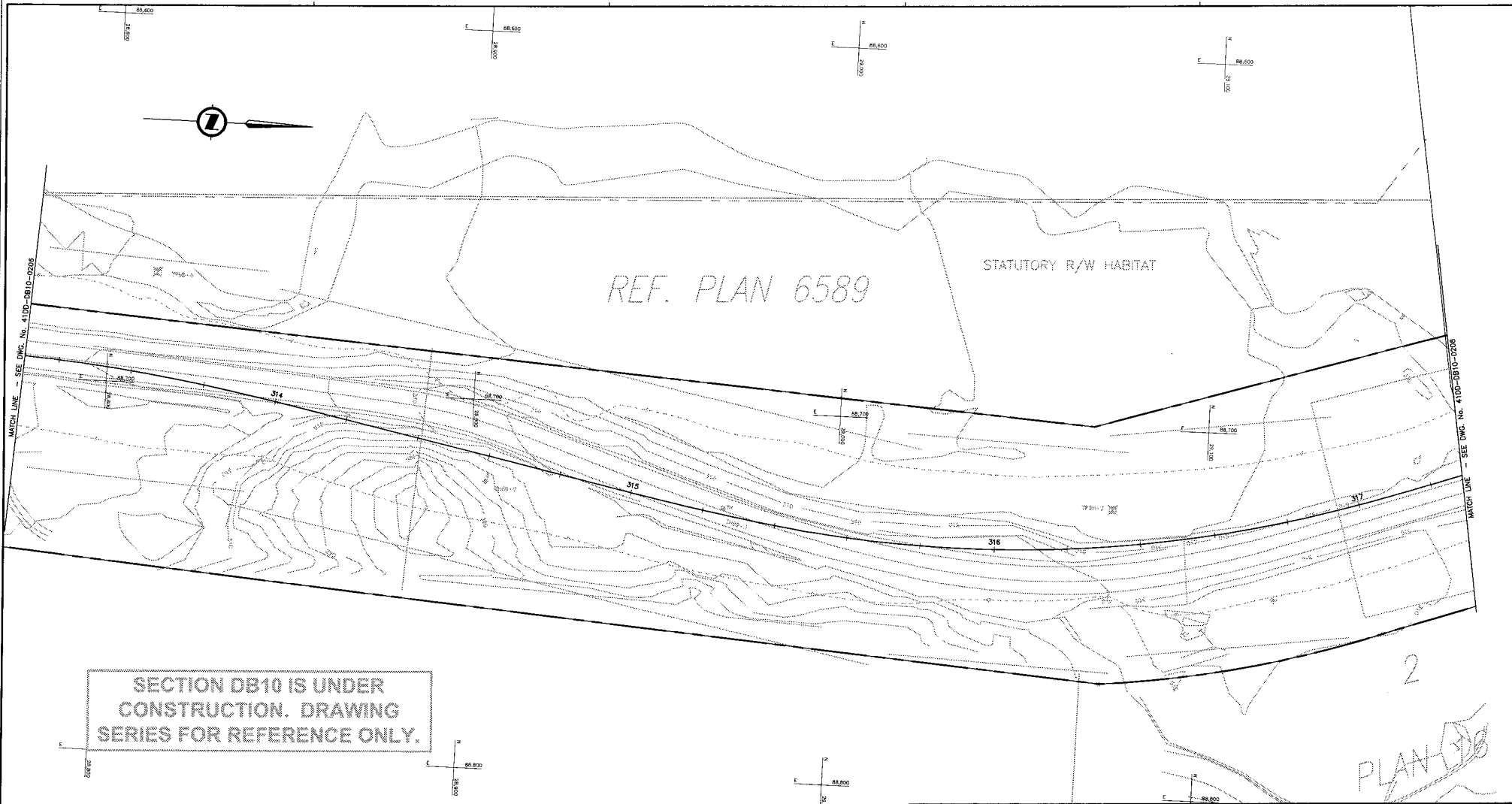
Rev.	Date	Description	Signature
PK	04-24-03	ISSUED FOR REQUEST FOR PROPOSAL	NW
0	04-08-17	ISSUED FOR TENDER	NW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

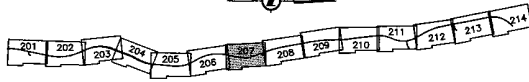
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 309+25 TO STA 313+30

SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 099011-7005
REV. 1	DATE 41DD-DB10-0206
DRAWING No. 41DD-DB10-0206	

DATE: 2004/04/23 2:52pm by: S. JORON in: S:\4141 - Cull-CR - Proj\03 - Proj\03 - 41DD-DB10-0205-01\41DD-DB10-0205.dwg



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE "C" ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE "C", MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1,000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
R1-448-H107	EARTH TECH - PRELIMINARY DESIGN - PLAN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3G9

MINISTRY OF TRANSPORTATION
 BRITISH COLUMBIA
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

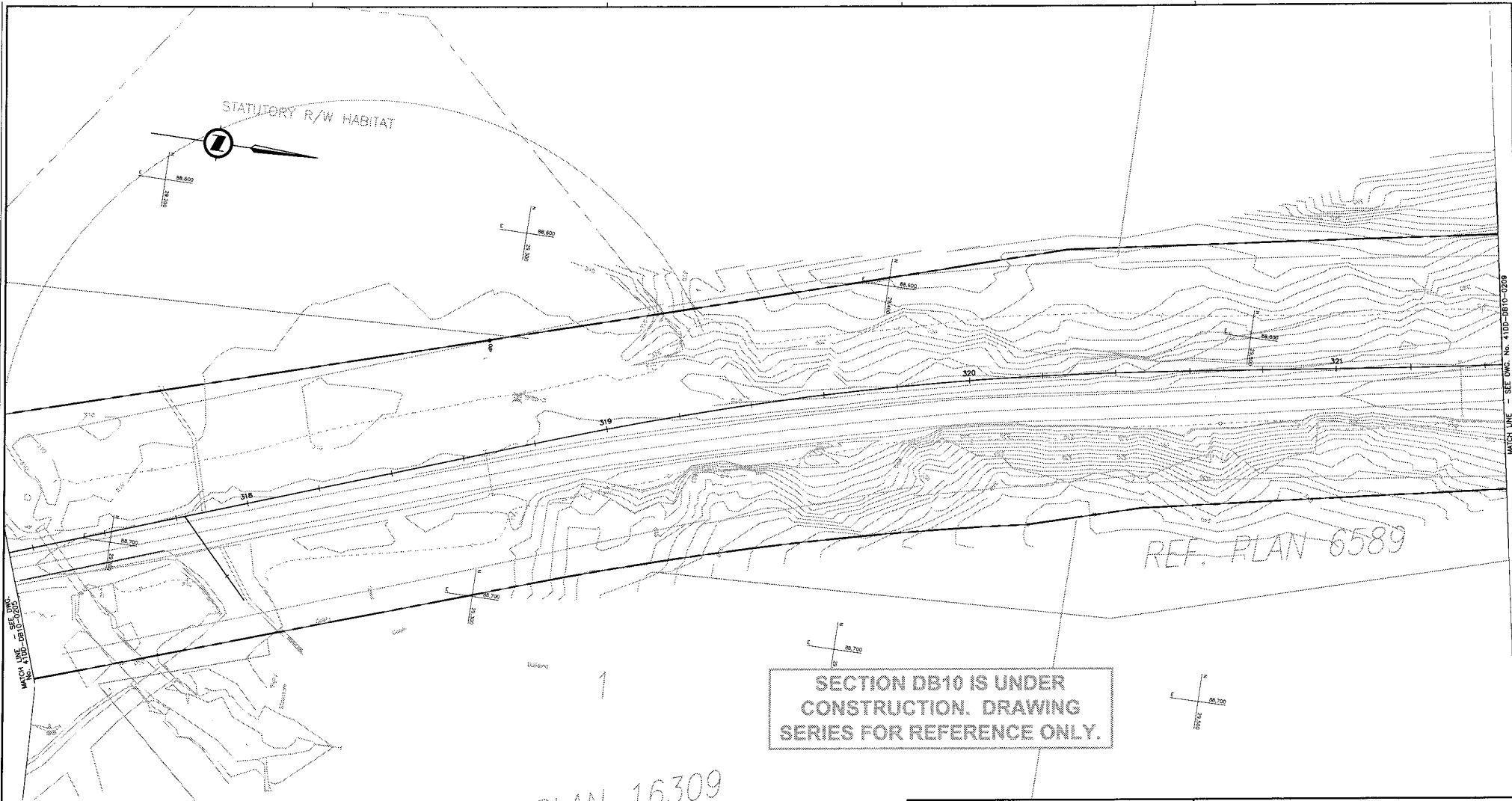
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 313+30 TO STA 317+30

DESIGNED: M. LICHTENSTEIN DATE: 2004-02-25
 DRAWN: M. FRODO DATE: 2004-03-26
 CHECKED: P. ROBERTS/ S. MacNEIL DATE: 2004-04-23
 APPROVED: J. TRISSELA DATE: 2004-04-23

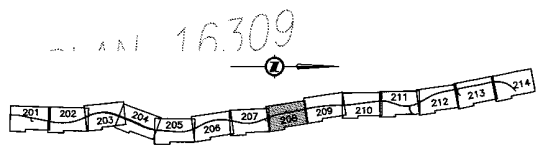
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB10-0207

DATE: 2004-04-23 11:58 AM
 FILE: P:\MVA\016315 - Sea to Sky - CIV\010 - DB10 - DWG\41DD-DB10-0207.dwg
 PLOT: 2004-04-23 11:58 AM



SECTION DB10 IS UNDER
CONSTRUCTION. DRAWING
SERIES FOR REFERENCE ONLY.



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451992 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-1108	EARTH TECH - PRELIMINARY DESIGN - PLAN
REFERENCE DRAWINGS		

Rev.	Date	Description	Signature
R1	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER

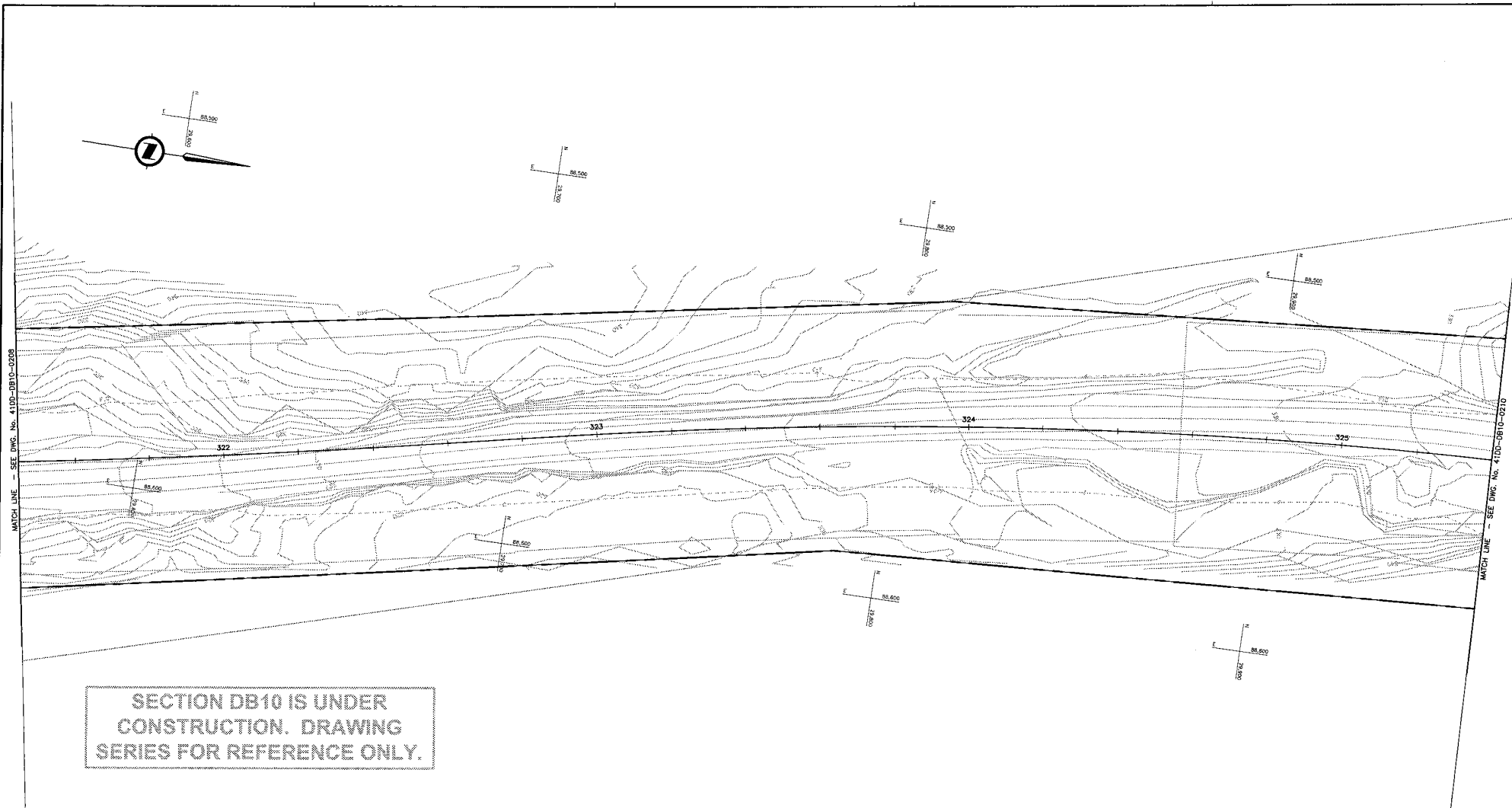
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 317+30 TO STA 321+45

SENIOR DESIGN ENGINEER	PROJECT No.	REV.	DATE
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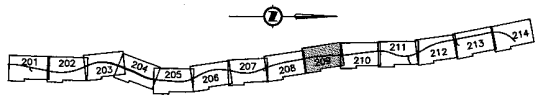
DRAWING No. 0

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MATCH LINE - SEE DWG. No. 41DD-DB10-0209



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000431692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEDDETTIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-1109	EARTH TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C9

Certified
ENGINEER

SCALE 0 1:500 25

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

DESIGNED: M. LICHTENBERGER DATE: 2004-02-25
 DRAWN: M. KIRBY DATE: 2004-03-28
 CHECKED: B. SCHWAB, S. MATHIAS DATE: 2004-04-22
 APPROVED: J. HARRIS DATE: 2004-04-28

REVISIONS

MINISTRY OF TRANSPORTATION

SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER

RIGHT-OF-WAY PLAN

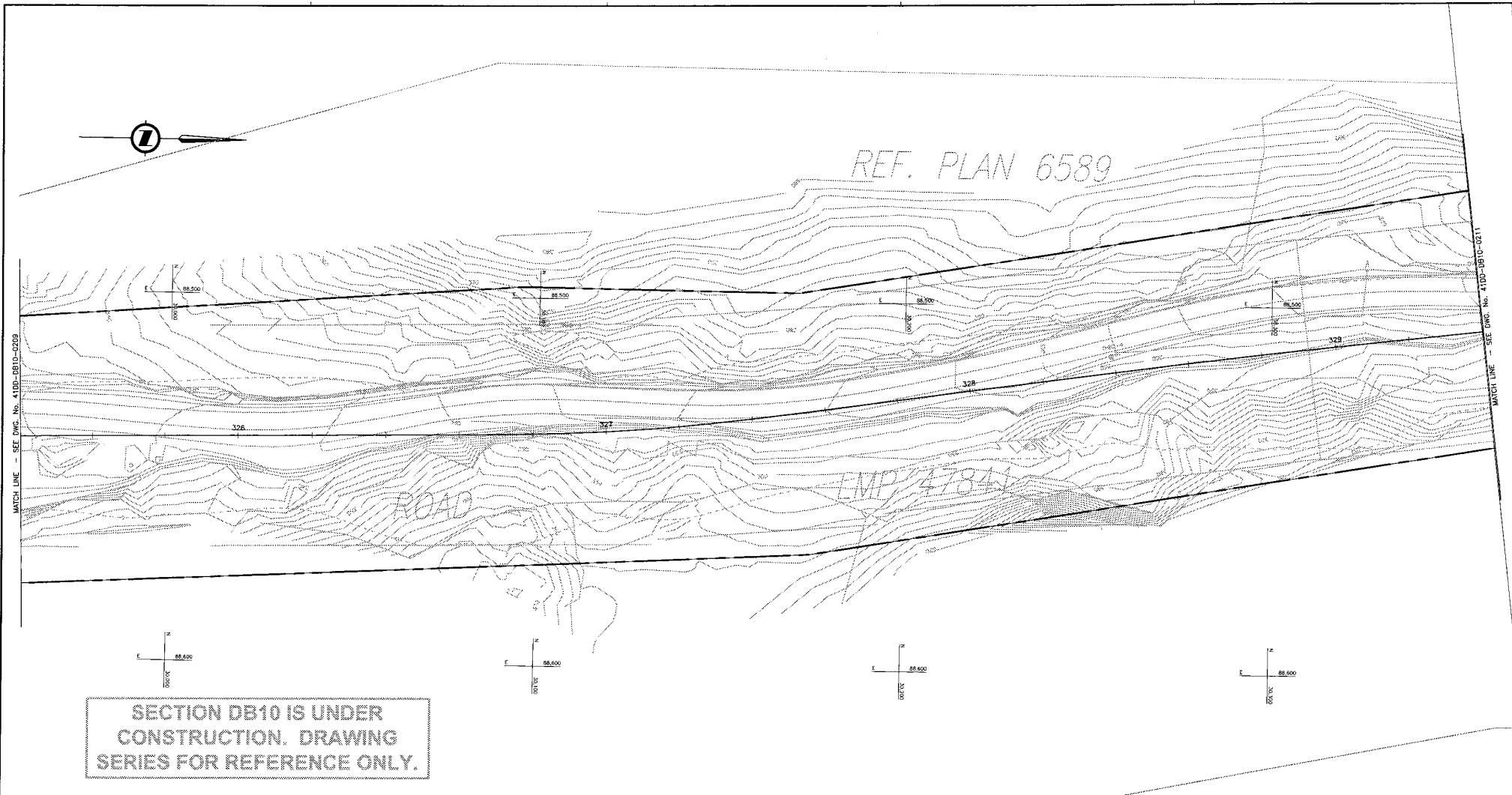
SECTION DB10

CULLITON CREEK TO CHEAKAMUS CANYON SOUTH

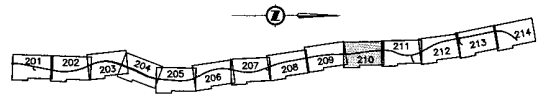
STA 321+45 TO STA 325+40

SENIOR DESIGN ENGINEER		DATE	
FILE NO.	PROJECT NO.	REV.	DRAWING NO.
016315-EN10-S	09901-7005	1	41DD-DB10-0209 0

41DD-DB10-0209.dwg
 2004-08-17 10:00:00
 41DD-DB10-0209.dwg
 2004-08-17 10:00:00
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 2004-08-17 10:00:00
 41DD-DB10-0209.dwg
 2004-08-17 10:00:00



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	R1-445-H116	EARTH TECH - PRELIMINARY DESIGN - PLAN

REVISIONS

Rev.	Date	Description	Signature
19	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALIN
1800 - 1070 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 325+40 TO STA 329+40

DESIGNED: M. LICHTENSTEINER DATE: 2004-02-23
DRAWN: M. KIBOR DATE: 2004-03-26
CHECKED: S. SHERMAN, M. MORGAN DATE: 2004-04-23
APPROVED: J. SHAW DATE: 2004-05-28

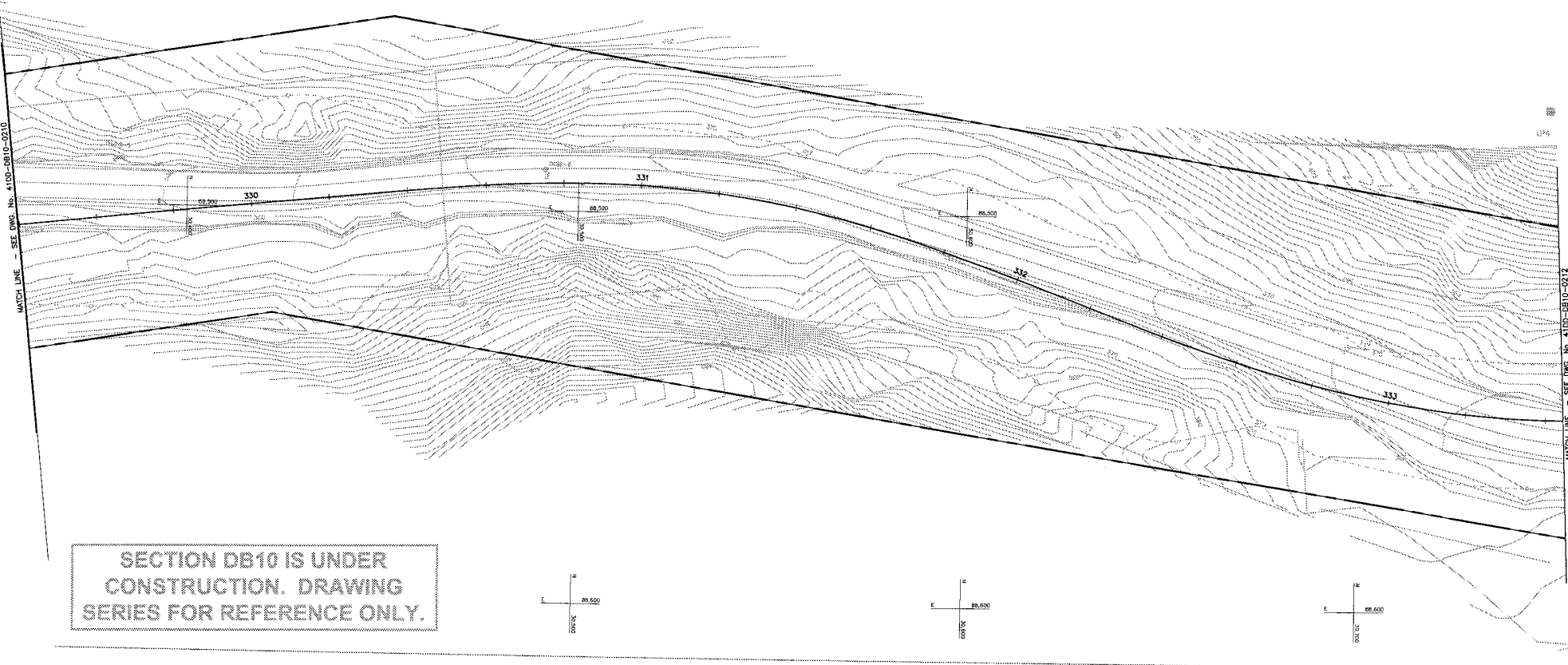
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FILE No. PROJECT No. REG. DRAWING No.
016315-EN10-S 09901-7005 1 41DD-DB10-0210 0

DATE: 2004/05/14 10:30am
 DRAWN BY: M. KIBOR
 CHECKED BY: S. SHERMAN, M. MORGAN
 APPROVED BY: J. SHAW
 PROJ. NO.: 09901-7005
 DRAWING NO.: 41DD-DB10-0210
 SHEET NO.: 01

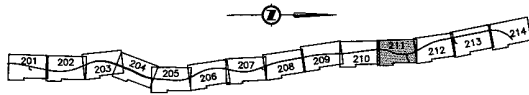


MATCH LINE - SEE DWG. No. 410D-DB10-0210

MATCH LINE - SEE DWG. No. 410D-DB10-0212



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 410D-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
R1-448-R111	EARTH TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

REVISIONS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C9

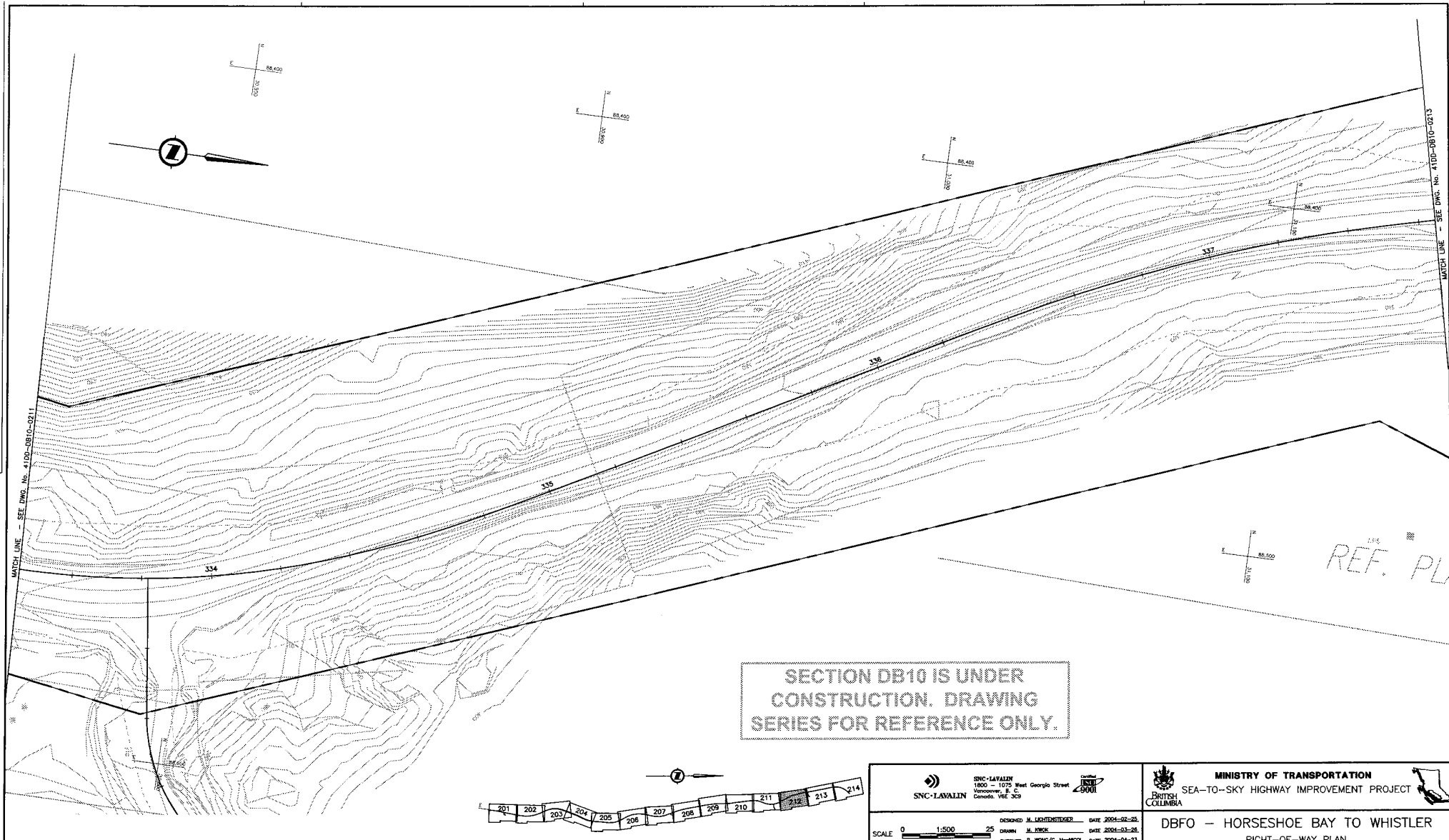


DESIGNED: M. LICHTENEGGER DATE: 2004-02-28
 DRAWN: M. FROCK DATE: 2004-03-28
 CHECKED: E. MORSE/SL. HARTWOOD DATE: 2004-08-23
 APPROVED: J. TOSIWA DATE: 2004-08-28

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
 BRITISH COLUMBIA

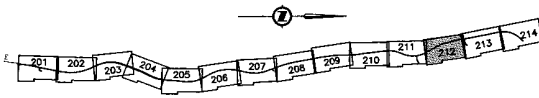
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 329+40 TO STA 333+45

SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
1	09901-7005
DRAWING No.	
410D-DB10-0211	0



SECTION DB10 IS UNDER
CONSTRUCTION. DRAWING
SERIES FOR REFERENCE ONLY.

REF. PL



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 410D-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-448-H112	EARTH TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

Rev	Date	Description	Signature
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0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

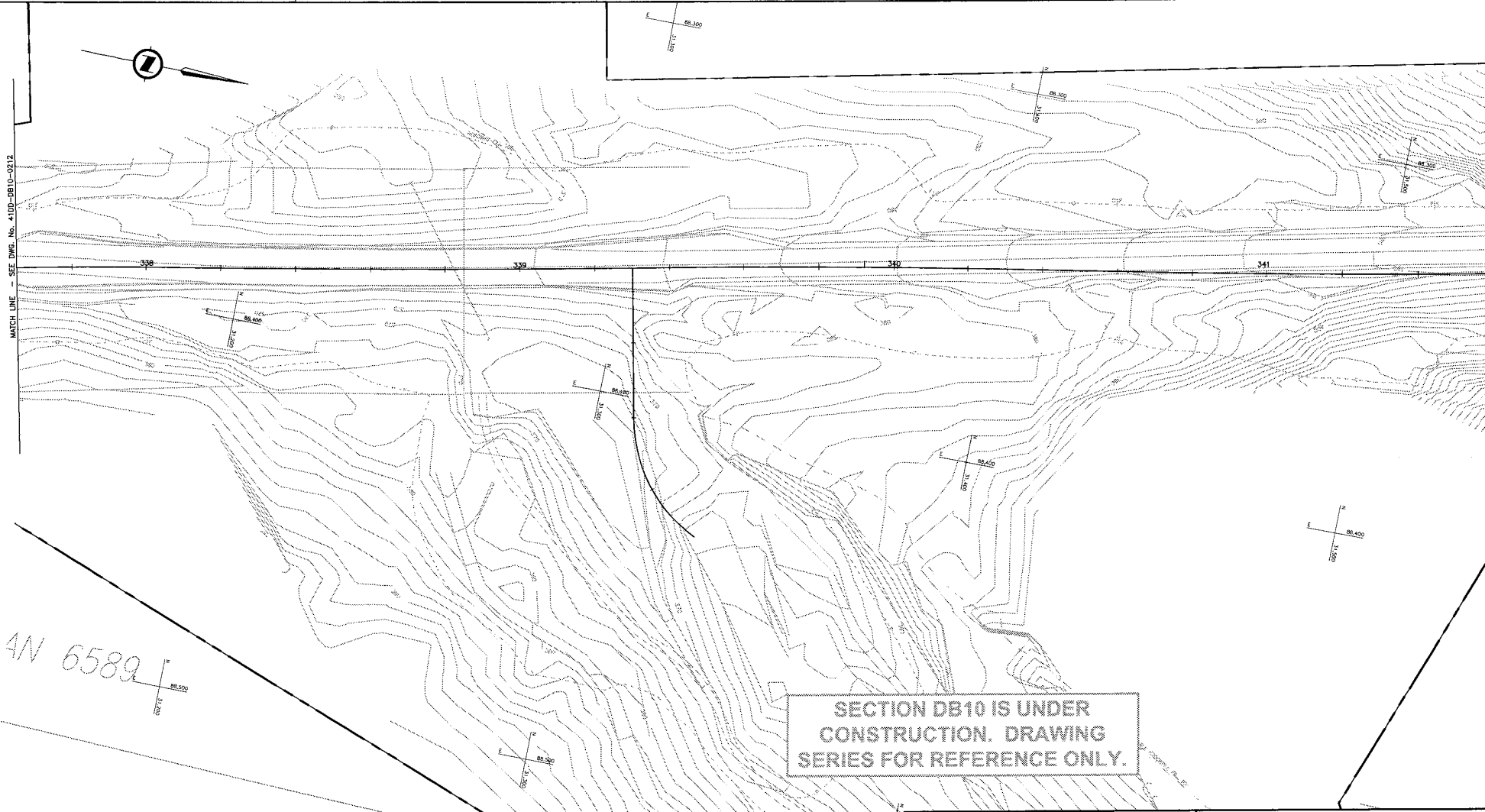
SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada V6E 3G9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 333+45 TO STA 337+65

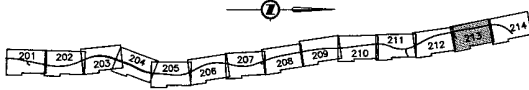
SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	410D-DB10-0212 0



4N 6589

SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 339m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	RT-448-H113	EARTH TECH - PRELIMINARY DESIGN - PLAN	01	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
			0	04-08-17	ISSUED FOR TENDER	AW

REFERENCE DRAWINGS

SNC-LAVALIN		DESIGNED BY	
1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3G9		M. LICHTENBERGER	
SCALE 0 1:500 25		DATE 2004-02-28	
		DRAWN BY M. TRICK	
		DATE 2004-03-28	
		CHECKED BY J. WONG/S. HARRISON	
		DATE 2004-04-28	
		APPROVED BY J. TOSIWA	
		DATE 2004-04-28	

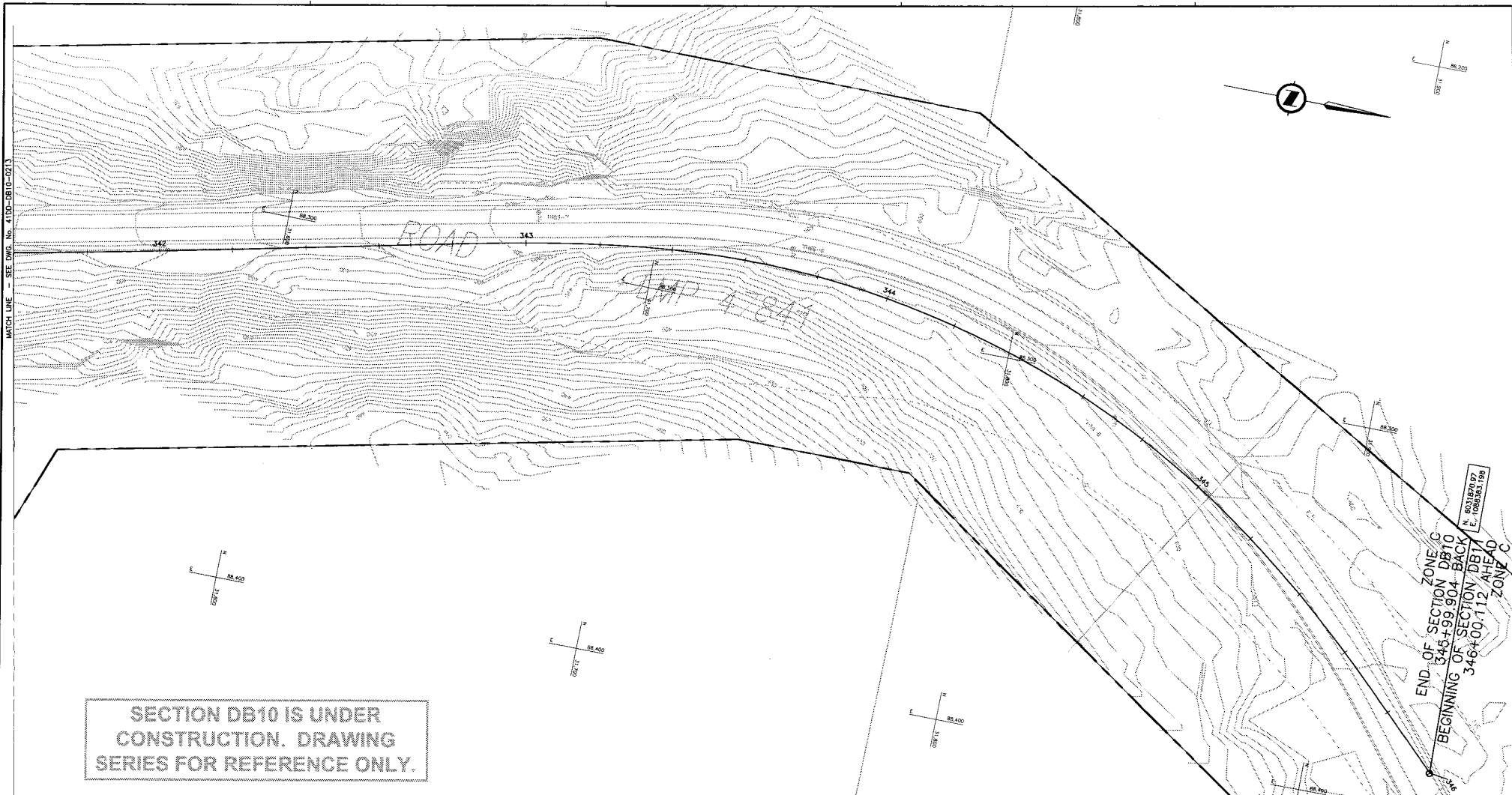
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB10
 CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
 STA 337+65 TO STA 341+60

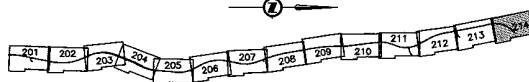
SENIOR DESIGN ENGINEER _____ DATE _____

FILE No. 016315-EN10-S PROJECT No. 09901-7005 REV. 1 DRAWING No. 41DD-DB10-0213 0

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 2004/04/28 10:45:12 AM
 JTSIWA



SECTION DB10 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description
R1-448-1114	EARTH TECH - PRELIMINARY DESIGN - PLAN

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada V6E 3C9

DESIGNED M. LIGHTSTONER DATE 2004-02-28
DRAWN M. KIRCH DATE 2004-03-28
CHECKED S. MICH/5. MATHIAS DATE 2004-04-23
APPROVED J. ISSAOKS DATE 2005-01-28

SCALE 0 1:500 25

Rev.	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

REVISIONS

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB10
CULLITON CREEK TO CHEAKAMUS CANYON SOUTH
STA 341+60 TO STA 345+99.904

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB10-0214

FILE: 016315-EN10-S-001.DWG DATE: 2004-02-28
 PLOT: 016315-EN10-S-001.DWG DATE: 2004-02-28
 PLOT: 016315-EN10-S-001.DWG DATE: 2004-02-28
 PLOT: 016315-EN10-S-001.DWG DATE: 2004-02-28

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

DRAWING INDEX

41DD-DB11-0000	PB	COVER SHEET
41DD-DB11-0001	PB	PLAN, PROFILE, LAINING SCHEMATIC
41DD-DB11-0201	PA	RIGHT-OF-WAY PLAN STA 346+00.112 TO STA 349+10.000
41DD-DB11-0202	PA	RIGHT-OF-WAY PLAN STA 349+10.000 TO STA 352+30.000
41DD-DB11-0203	PA	RIGHT-OF-WAY PLAN STA 352+30.000 TO STA 356+10.000
41DD-DB11-0204	PB	RIGHT-OF-WAY PLAN STA 361+10.000 TO STA 359+50.000 (227+103.186)



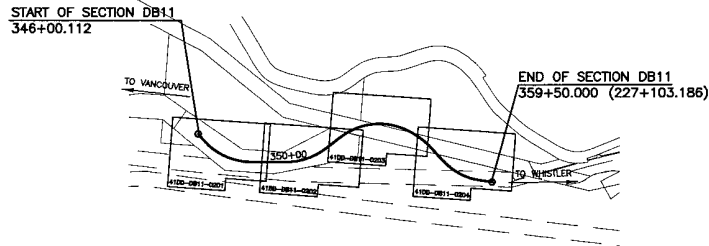
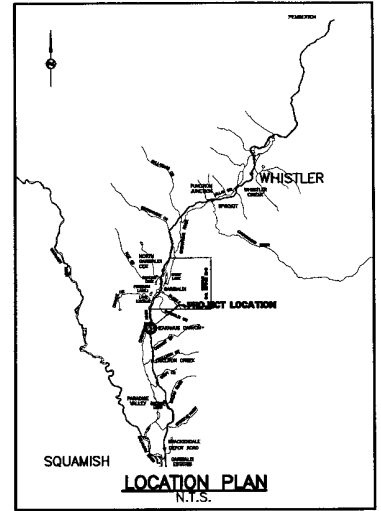
BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

PROJECT No. 09901

Section DB11

Cheakamus Canyon South to Cheakamus Canyon North



KEY PLAN
0 1:10000 500

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

DESIGNED **J. WACHNER** DATE 2004-02-25
DRAWN **M. CHEN/CL. LAM** DATE 2004-02-25
CHECKED **S. NEFF/BCA** DATE 2004-04-23
APPROVED **J. BISHOP** DATE 2004-04-29

SCALE AS NOTED

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
COVER SHEET
SECTION DB11
CHEKAMUS CANYON
STA. 346+00.112 TO STA. 359+50.000(227+103.186)

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
			PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			0	04-06-17	ISSUED FOR TENDER	ARW

SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB11-0000
	0

DATE PLOTTED: 04/23/04 10:51 AM
 PLOTTER: HP DesignJet 5000 LPS
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 PLOT SCALE: 1:10000
 PLOT SHEET: 1 OF 1



DISTRICT LOT 2245



UNSURVEYED CROWN LAND

HIGHWAY 99

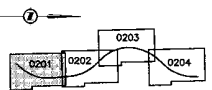
ZONE C OF SECTION DB10
345+00 BACK
BEGINNING OF SECTION DB11
346+00.12 AHEAD
ZONE C

NOTE:
Field Survey was completed on July 18, 1996
Coordinates based on GPS Survey - NAD83 based
Elevations based on Geodetic
Scale factor used to obtain ground coordinates was 0.99963716
Legal boundaries were established using fixed capacitor points and L.I.D. Plans
Horizontal Alignment has been altered to match this Coordinate System

REF. PLAN 6589

B.C. HYDRO & POWER AUTHORITY R/W

SECTION DB11 IS UNDER
CONSTRUCTION. DRAWING
SERIES FOR REFERENCE ONLY.



KEY PLAN

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED: H. LICHTENSTORFER DATE: 2004-02-25
DRAWN: M. FRICK DATE: 2004-03-28
CHECKED: S. SCHWIGL, M. HAYMEAL DATE: 2004-04-23
APPROVED: J. BEAUPRE DATE: 2004-04-29

SCALE 0 1:500 25

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
BRITISH COLUMBIA

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB11
CHEAKAMUS CANYON SOUTH TO CHEAKAMUS CANYON NORTH
STA 346+00 TO STA 349+10

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-0800-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev.	Date	Description	Signature
	R1-452-1445	DELCON - GEOMETRICS AND LAYOUT	PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	MAL
			04-08-17	ISSUED FOR TENDER		ATW

REFERENCE DRAWINGS

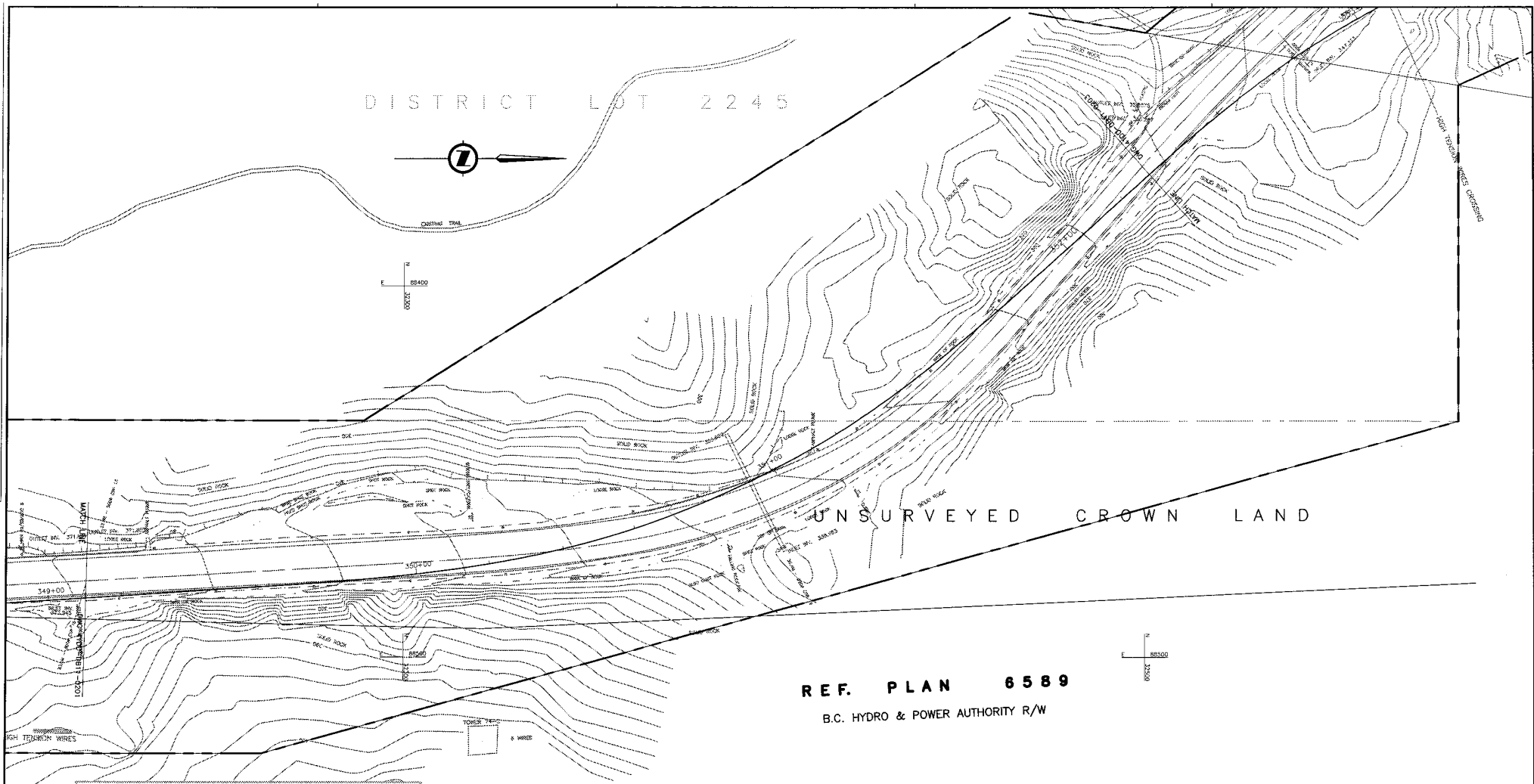
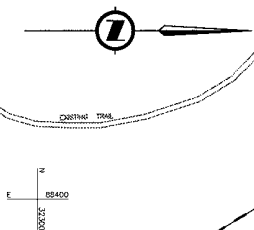
Rev.	Date	Description	Signature

REVISIONS

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB11-0201 0

DATE PLOTTED: 2004/08/17 11:58 AM IN: D:\PROJECTS\09901-7005\41DD-DB11-0201\0201.DWG BY: J. BEAUPRE

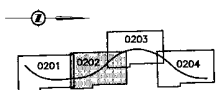
DISTRICT LOT 2245



REF. PLAN 6589
B.C. HYDRO & POWER AUTHORITY R/W



SECTION DB11 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 336m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451992 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-433-1416	DELICAN - GEOMETRICS AND LANNING

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada, V6E 3C5

DESIGNED: M. LICHTENSTORGER DATE: 2004-02-25
DRAWN: M. BIRCK DATE: 2004-02-28
CHECKED: S. WENIG/S. MANNING DATE: 2004-04-23
APPROVED: T. TOSIBA DATE: 2004-04-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

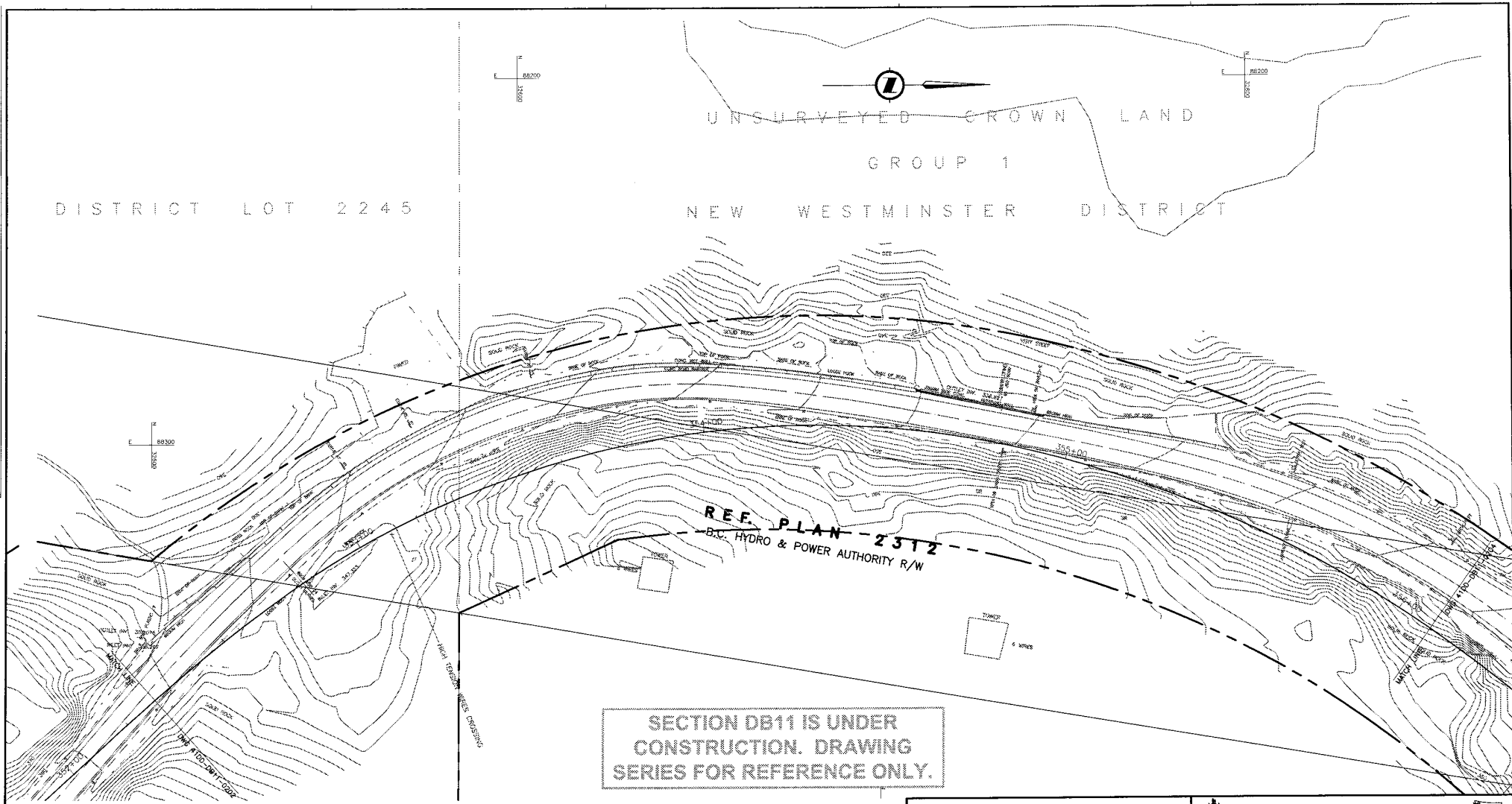
DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB11
CHEAKAMUS CANYON SOUTH TO CHEAKAMUS CANYON NORTH
STA 349+10 TO STA 352+30

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB11-0202 0

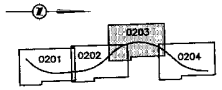
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DISTRICT LOT 2245

UNSURVEYED CROWN LAND
GROUP 1
NEW WESTMINSTER DISTRICT



SECTION DB11 IS UNDER CONSTRUCTION. DRAWING SERIES FOR REFERENCE ONLY.



KEY PLAN

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 335m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	R1-453-1417	DELGAY - GEOMETRICS AND LANNING

REFERENCE DRAWINGS

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	MKL
0	04-08-17	ISSUED FOR TENDER	ARW

REVISIONS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3G9	 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
SENIOR DESIGN ENGINEER _____ DATE _____	
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REG. 1	DRAWING No. 41DD-DB11-0203

DATE PLOTTED: 2004-09-28 10:51:55 AM
 PLOT: H:\PROJECTS\41DD-DB11-0203\41DD-DB11-0203.DWG
 PLOTTER: HP DesignJet 500C

UNSURVEYED CROWN LAND
GROUP 1
NEW WESTMINSTER DISTRICT

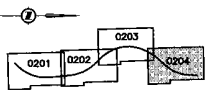
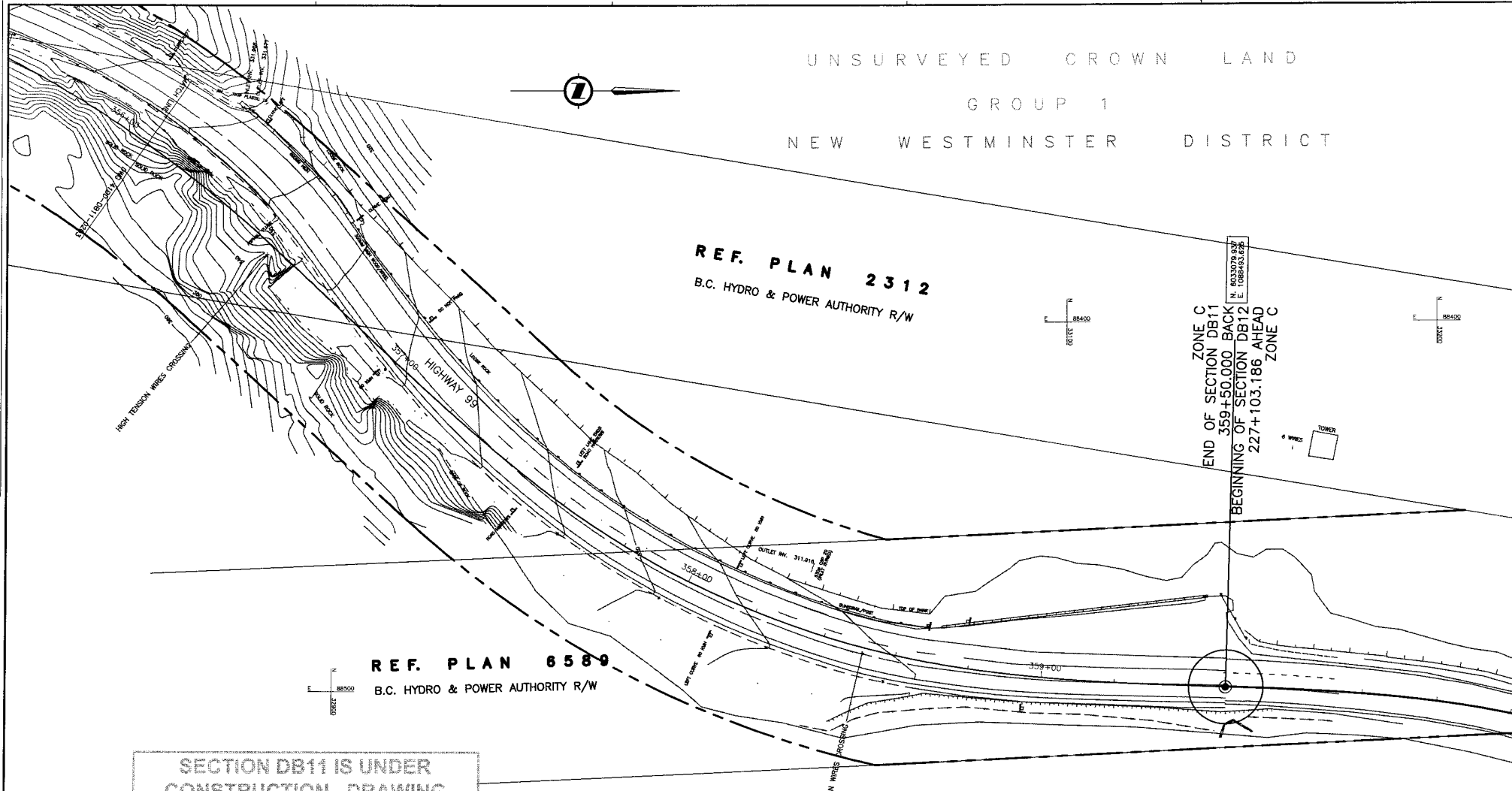


REF. PLAN 2312
B.C. HYDRO & POWER AUTHORITY R/W

REF. PLAN 6589
B.C. HYDRO & POWER AUTHORITY R/W

SECTION DB11 IS UNDER
CONSTRUCTION. DRAWING
SERIES FOR REFERENCE ONLY.

ZONE C
END OF SECTION DB11
359+50.000 BACK
BEGINNING OF SECTION DB12
227+103.186 AHEAD
ZONE C



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	OWC. No.	Description
	R1-455-1418	SECTION - GEOMETRICS AND LAYOUT

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	SIGNATURE
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	
D	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED M. LICHTENBERGER DATE 2001-02-28
DRAWN M. JORGE DATE 2001-02-28
CHECKED S. BONDURA DATE 2001-04-23
APPROVED J. DESHA DATE 2004-04-22

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB11
CHEAKAMUS CANYON SOUTH TO CHEAKAMUS CANYON NORTH
STA 356+10 TO STA 359+50(227+103.186)

SENIOR DESIGN ENGINEER	DATE

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB11-0204

DATE: 2004/04/22 09:51:39am
 USER: jdesha
 PROJECT: 09901-7005
 DRAWING: 41DD-DB11-0204
 SCALE: 1:500

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 330m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL, BASED ON FEDERAL/PROVINCIAL BENCHMARKS.



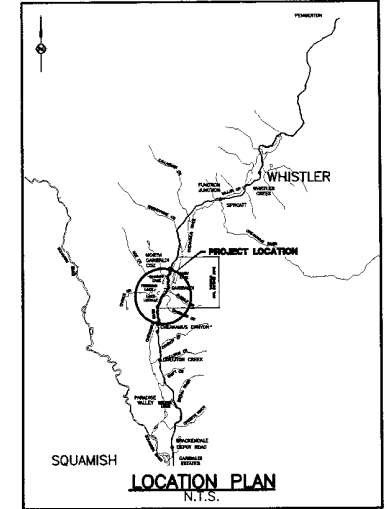
BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION

PROJECT No. 09901

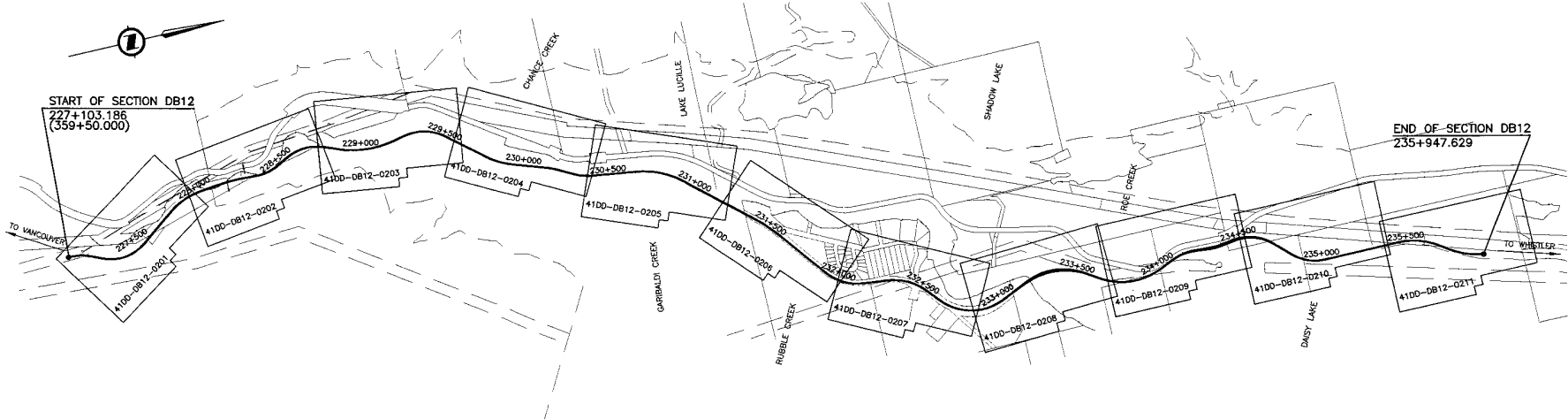
Section DB12

Cheakamus Canyon to North Garibaldi CDZ



DRAWING INDEX

41DD-DB12-0000	1	COVER SHEET	
41DD-DB12-0001	1	PLAN, PROFILE, LANNING SCHEMATIC - SHEET 1	△
41DD-DB12-0009	0	FINAL PROFILE LANNING SCHEMATIC - SHEET 2	
41DD-DB12-0201	0	RIGHT-OF-WAY PLAN	STA 227+103.186 TO STA 227+970.000 (359+50.000)
41DD-DB12-0202	0	RIGHT-OF-WAY PLAN	STA 227+970.000 TO STA 228+770.000
41DD-DB12-0203	0	RIGHT-OF-WAY PLAN	STA 228+770.000 TO STA 229+590.000
41DD-DB12-0204	0	RIGHT-OF-WAY PLAN	STA 229+590.000 TO STA 230+390.000
41DD-DB12-0205	0	RIGHT-OF-WAY PLAN	STA 230+390.000 TO STA 231+210.000
41DD-DB12-0206	0	RIGHT-OF-WAY PLAN	STA 231+210.000 TO STA 232+020.000
41DD-DB12-0207	0	RIGHT-OF-WAY PLAN	STA 232+020.000 TO STA 233+840.000
41DD-DB12-0208	0	RIGHT-OF-WAY PLAN	STA 232+840.000 TO STA 233+700.000
41DD-DB12-0209	0	RIGHT-OF-WAY PLAN	STA 233+700.000 TO STA 234+520.000
41DD-DB12-0210	0	RIGHT-OF-WAY PLAN	STA 234+520.000 TO STA 235+380.000
41DD-DB12-0211	0	RIGHT-OF-WAY PLAN	STA 235+380.000 TO STA 235+947.629



SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
BRITISH COLUMBIA

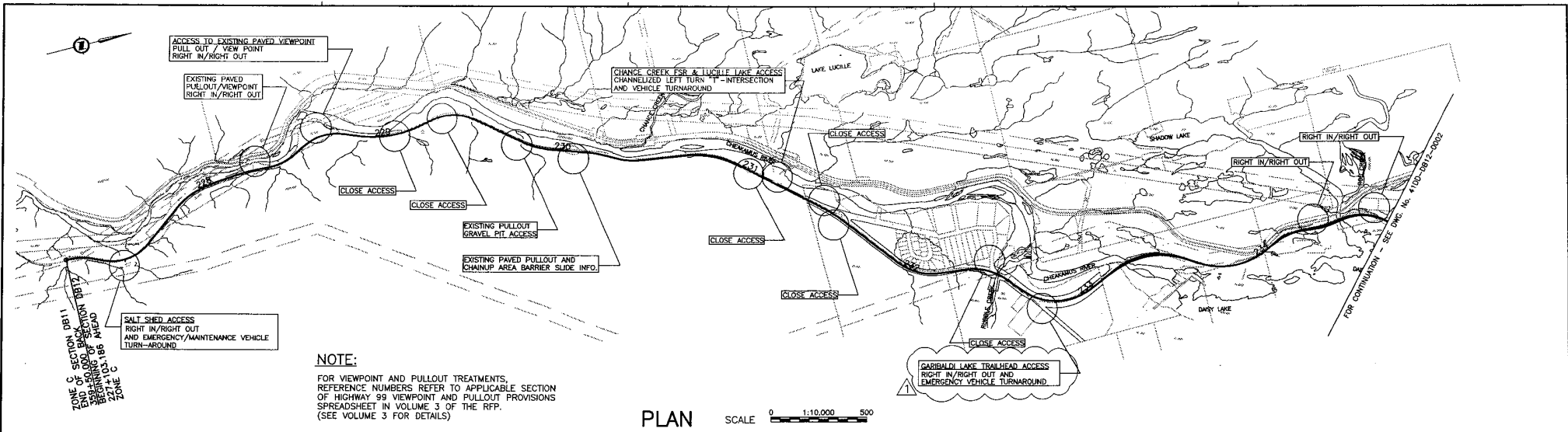
DBFO - HORSESHOE BAY TO WHISTLER
COVER SHEET
SECTION DB12
CHEKAMUS CANYON TO NORTH GARIBALDI CDZ
STA 227+103.186(359+50.000) TO STA 235+947.629

PROFESSIONAL SEAL	DWG. No.	Description

Rev.	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-06-17	ISSUED FOR TENDER	ARW
1	04-11-05	GENERAL REVISION	ARW

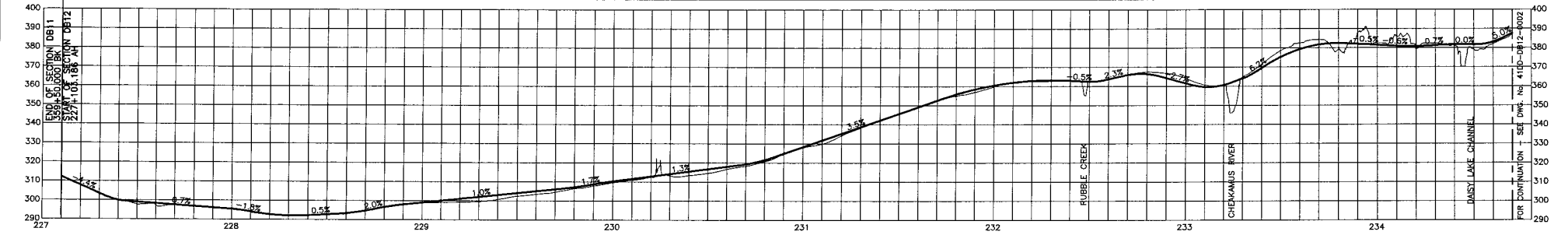
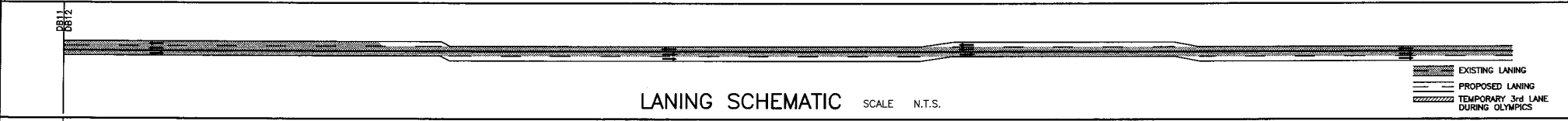
FILE NO.	PROJECT NO.	REV.	DRAWING NO.
016315-EN10-S	09901-7005	1	41DD-DB12-0000

DATE: 2004-04-29
 TIME: 10:41:03 AM
 USER: JAVIERA/016315 - Sea to Sky/41 - C:\S\01\016315\EN10-S-4100-DB12-0000.dwg
 PLOT: 2004-04-29



NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



PROFILE SCALE 0 HORIZ 1:10,000 500
0 VERT 1:1,000 50

DATE: 2004-02-25
 DRAWN BY: M. HENKEL / C. LAM
 CHECKED BY: G. MCGREGOR
 APPROVED BY: J. WILSON

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	PAW-81100-PR	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PR	PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			PR	04-07-05	REVISED FOR REQUEST FOR PROPOSAL	ARW
			D	04-08-17	ISSUED FOR TENDER	ARW
			1	04-10-29	GENERAL REVISION	ARW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

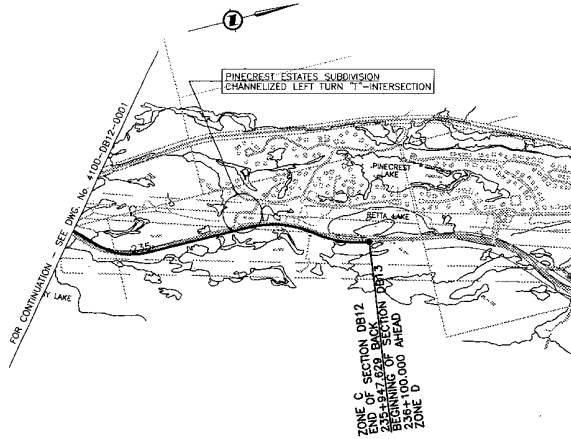
DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 1
 SECTION DB12
 CHEAKAMUS CANYON TO N. GARIBALI CDZ
 STA. 227+103.186(359+50.000) TO STA. 234+700.000

DESIGNED BY: J. WILSON DATE: 2004-02-25
 DRAWN BY: M. HENKEL / C. LAM DATE: 2004-02-25
 CHECKED BY: G. MCGREGOR DATE: 2004-02-25
 APPROVED BY: J. WILSON DATE: 2004-04-29

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 REV.: 1 DRAWING NO.: 41DD-DB12-0001 1

REFERENCE DRAWINGS

REVISIONS



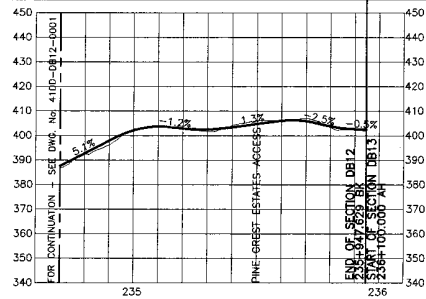
NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS,
 REFERENCE NUMBERS REFER TO APPLICABLE SECTION
 OF HIGHWAY 99 VIEWPOINT AND PULLOUT PROVISIONS
 SPREADSHEET IN VOLUME 3 OF THE RFP.
 (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.

EXISTING LANING
 PROPOSED LANING
 TEMPORARY 3rd LANE
 DURING OLYMPICS



PROFILE SCALE HORIZ 1:10,000 500
 VERT 1:1000 50

PROFESSIONAL SEAL	DWG No.	Description	Rev.	Date	Description	Signature
	PAW-1100-PH	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - PH. PD	PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			S	04-08-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

SNC-LAVALLIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V5E 3G9

DESIGNED **J. WACHSMAN** DATE 2004-02-25
 DRAWN **M. KNOWL/C. LAM** DATE 2004-02-25
 CHECKED **B. BRIDGES** DATE 2004-02-25
 APPROVED **J. SISKIN** DATE 2004-04-29

Rev.	Date	Description	Signature

REVISIONS

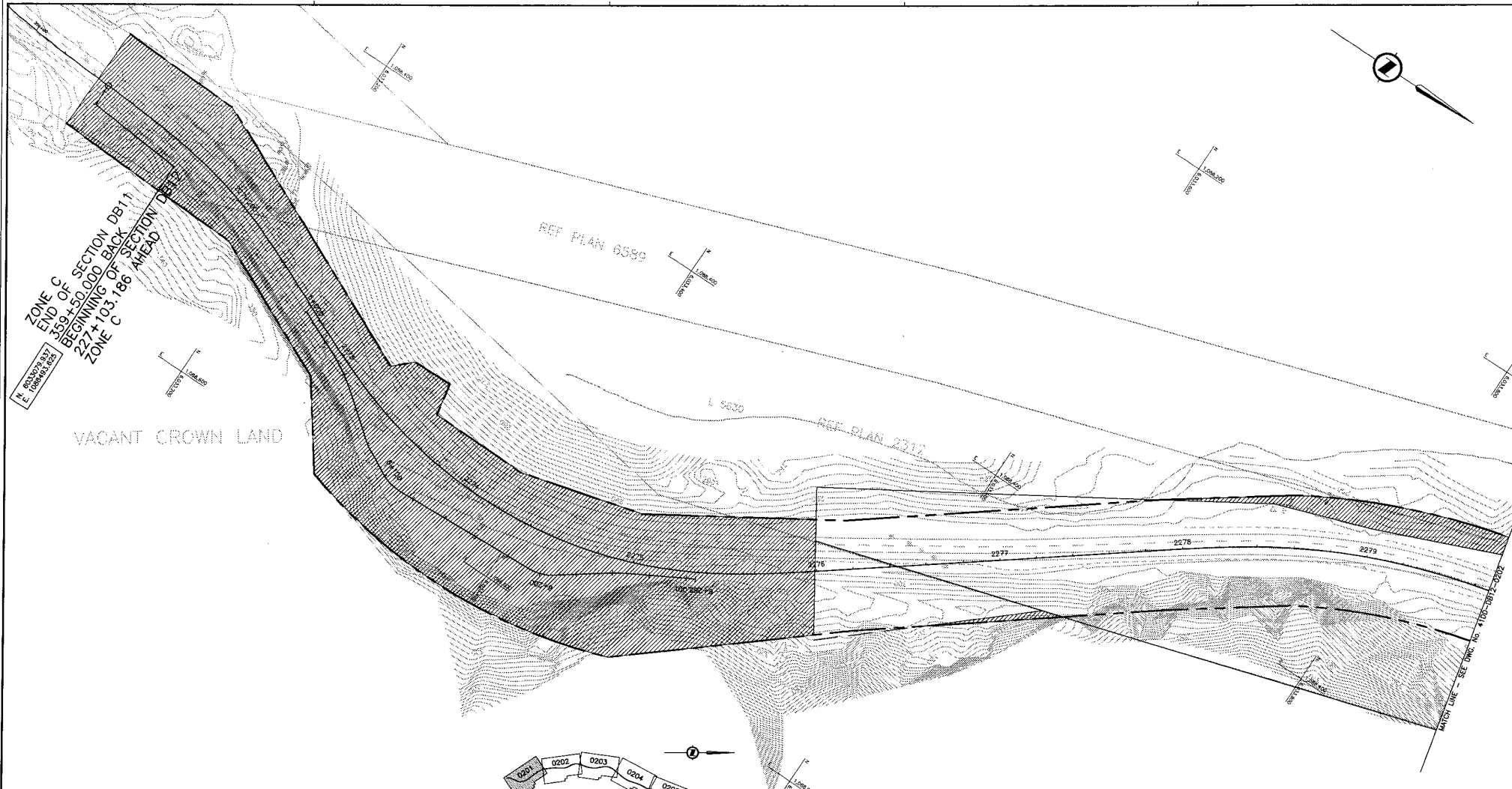
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 2
 SECTION DB12
 CHEAKAMUS CANYON TO N. GARIBALI CDZ
 STA. 234+700.000 TO STA. 235+947.629

SENIOR DESIGN ENGINEER DATE:

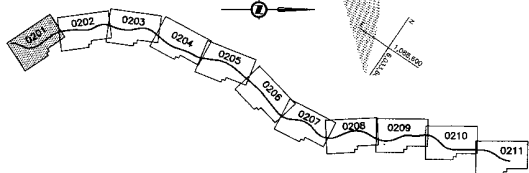
FILE No. PROJECT No. RES. DATE DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB12-0002 | 0

DESIGNED: J. WACHSMAN, 2501-13300, VAN, BC, V4T 1A7; DRAWN: M. KNOWL/C. LAM, 2501-13300, VAN, BC, V4T 1A7; CHECKED: B. BRIDGES, 2501-13300, VAN, BC, V4T 1A7; APPROVED: J. SISKIN, 2501-13300, VAN, BC, V4T 1A7.



N 1000000.83
 E 1000000.83
 ZONE C
 END OF SECTION DB11
 359+50.000 BACK
 BEGINNING OF SECTION DB12
 227+103.186
 ZONE C
 227+103.186 AHEAD

VACANT CROWN LAND



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	PACR-11100-01w	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PB

REVISIONS

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	AW
G	04-08-17	ISSUED FOR TENDER	AW

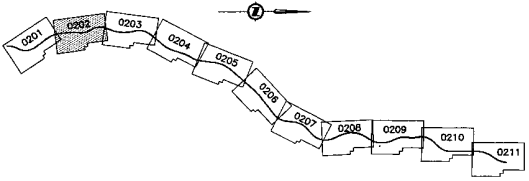
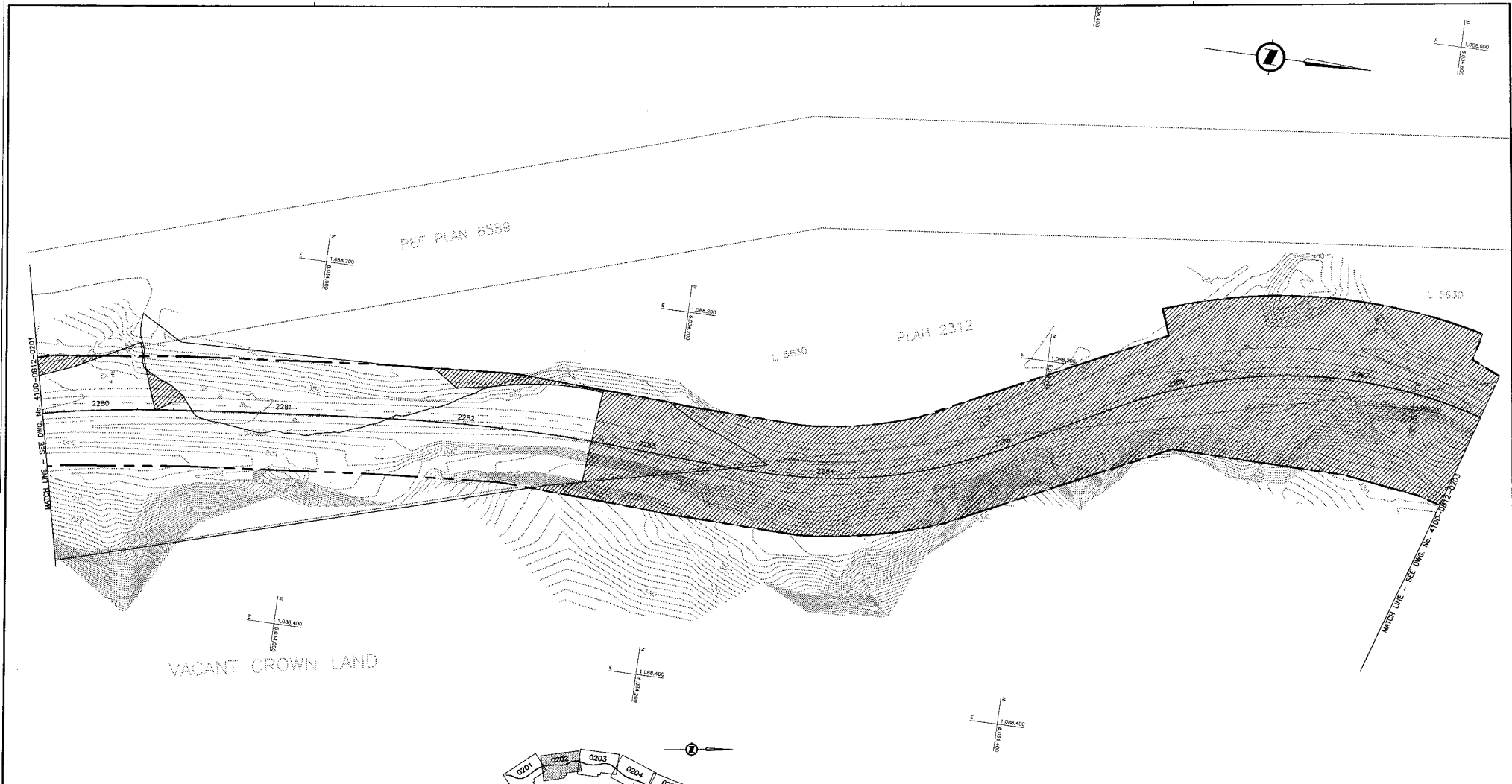
SNC-LAVALIN
 1800 - 1070 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 227+103.186(359+50.000) TO STA 227+970.000

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 RES.: 1 DRAWING NO.: 41DD-DB12-0201 0

DATE: 2004/08/09 11:27am
 DRAWN BY: M. J. J. (MJJ)
 CHECKED BY: S. J. (SJM)
 APPROVED BY: T. J. (TJG)
 DATE: 2004/08/09 11:27am



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	PACW-1101-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PG

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C9

DESIGNED: J. WECHMANN DATE: 2004-02-28
 DRAWN: M. SPOK DATE: 2004-03-22
 CHECKED: S. MURPHY DATE: 2004-04-23
 APPROVED: J. SCHAFFER DATE: 2004-05-26

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

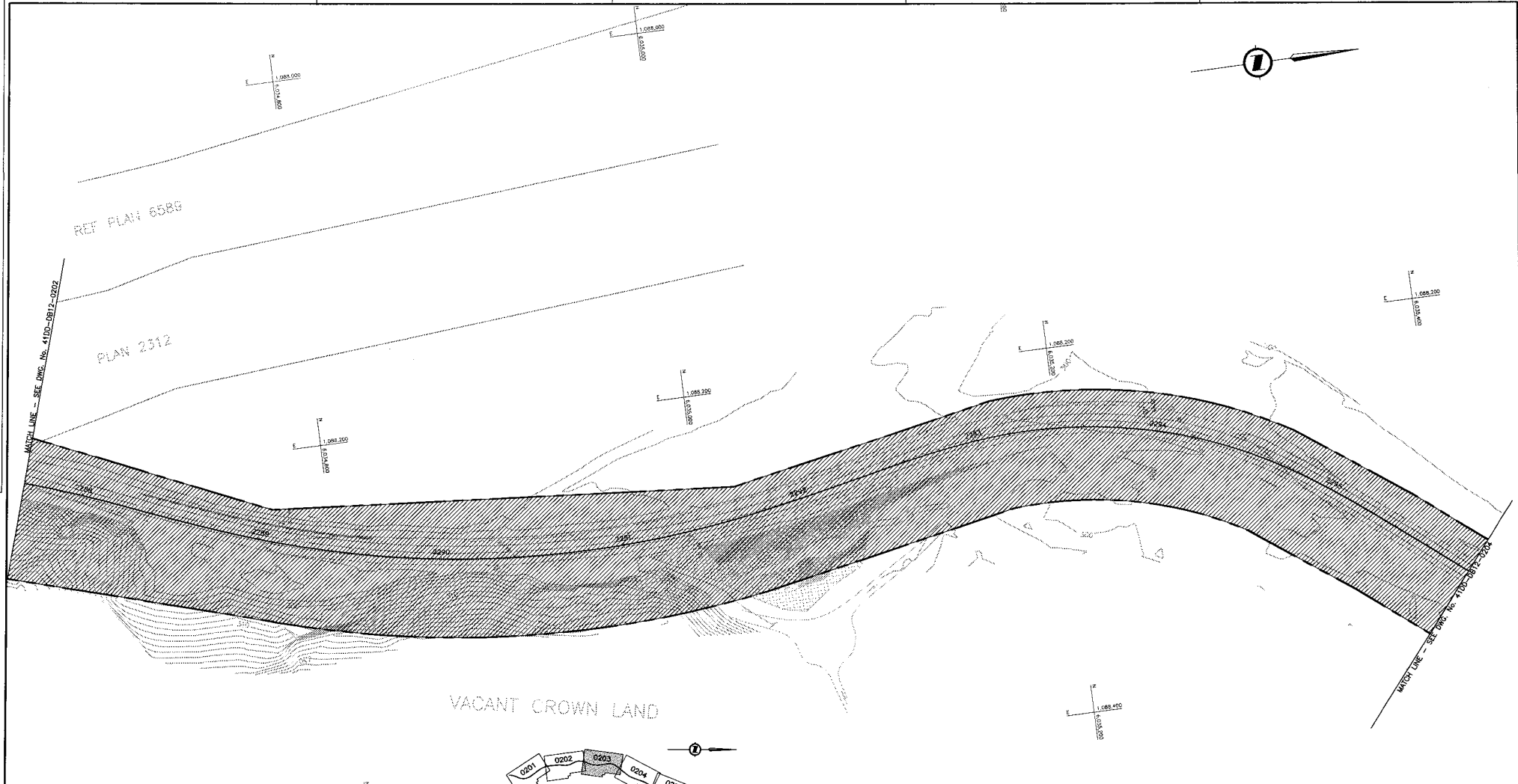
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 227+970.000 TO STA 228+770.000

REVISIONS

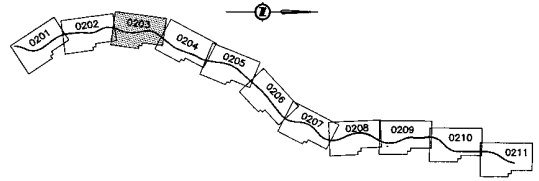
Rev	Date	Description	Signature
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0	04-06-17	ISSUED FOR TENDER	ARW

SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV.	DRAWING NO.
1	41DD-DB12-0202

DATE: 2004-05-26 11:52 AM
 FILE: 41DD-DB12-0202.dwg
 USER: jwechmann
 PLOT: 41DD-DB12-0202.dwg
 PLOT: 0202



VACANT CROWN LAND



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C': MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	PA0M-1102-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - RW, PG	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
			0	04-08-17	ISSUED FOR TENDER	ARW

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C3

DESIGNED: J. BUCHANAN DATE: 2004-02-28
 DRAWN: M. FROE DATE: 2004-03-28
 CHECKED: G. McNEIL DATE: 2004-04-23
 APPROVED: J. BOGARD DATE: 2004-04-28

SCALE 0 1:1000 50

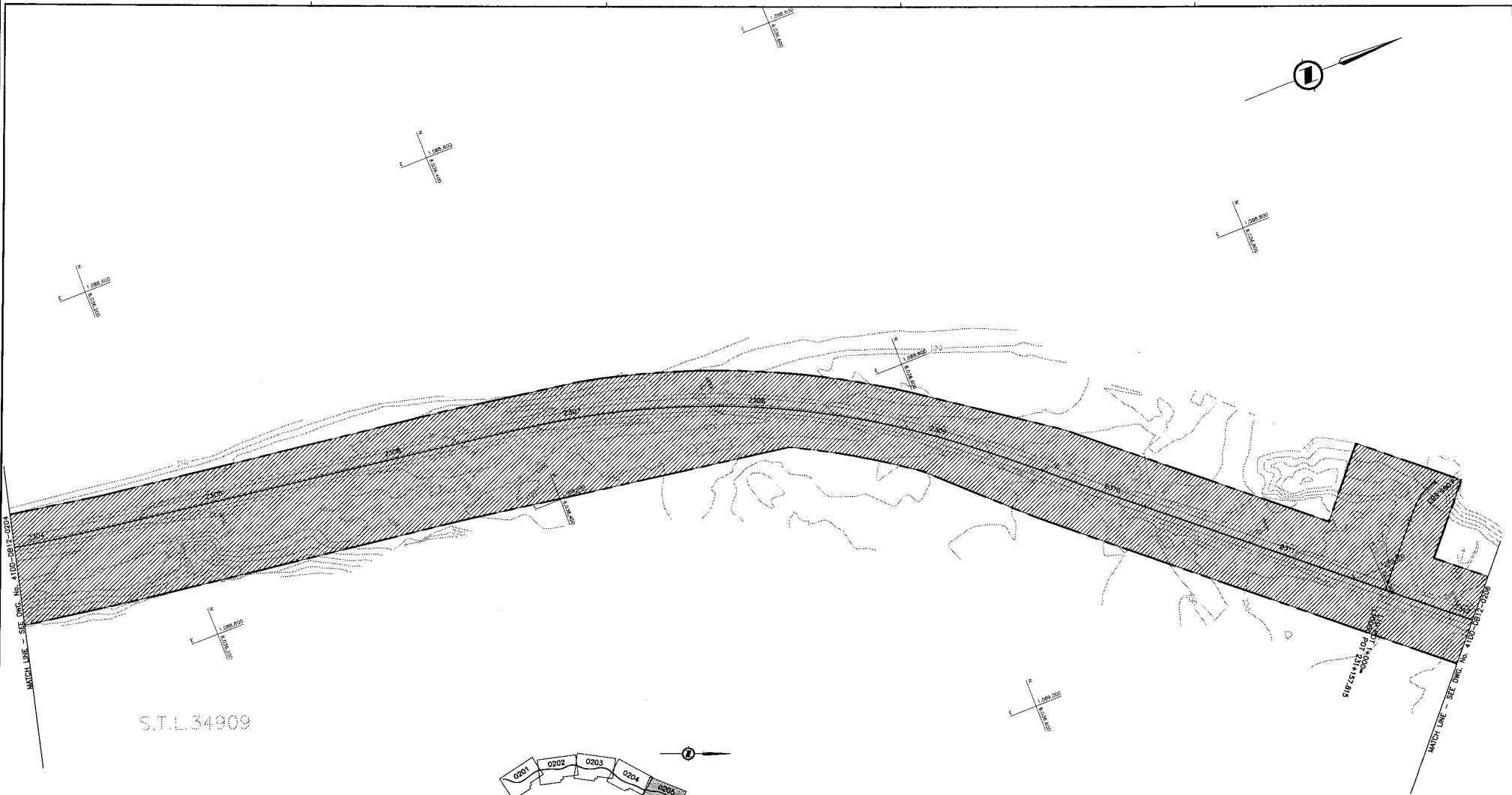
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

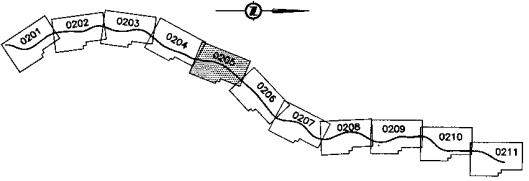
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 228+770.000 TO STA 229+590.000

SENIOR DESIGN ENGINEER _____ DATE _____

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB12-0203



S.T.L.34909



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-D900-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

REFERENCE DRAWINGS

PROFESSIONAL SEAL	DWG. No.	Description
	PAW-1104-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. P9

REVISIONS

Rev	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	ARW
D	04-08-17	ISSUED FOR TENDER	ARW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

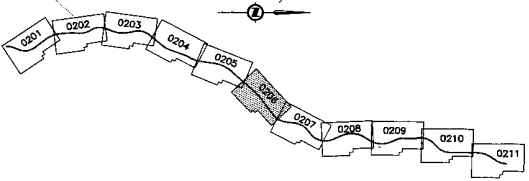
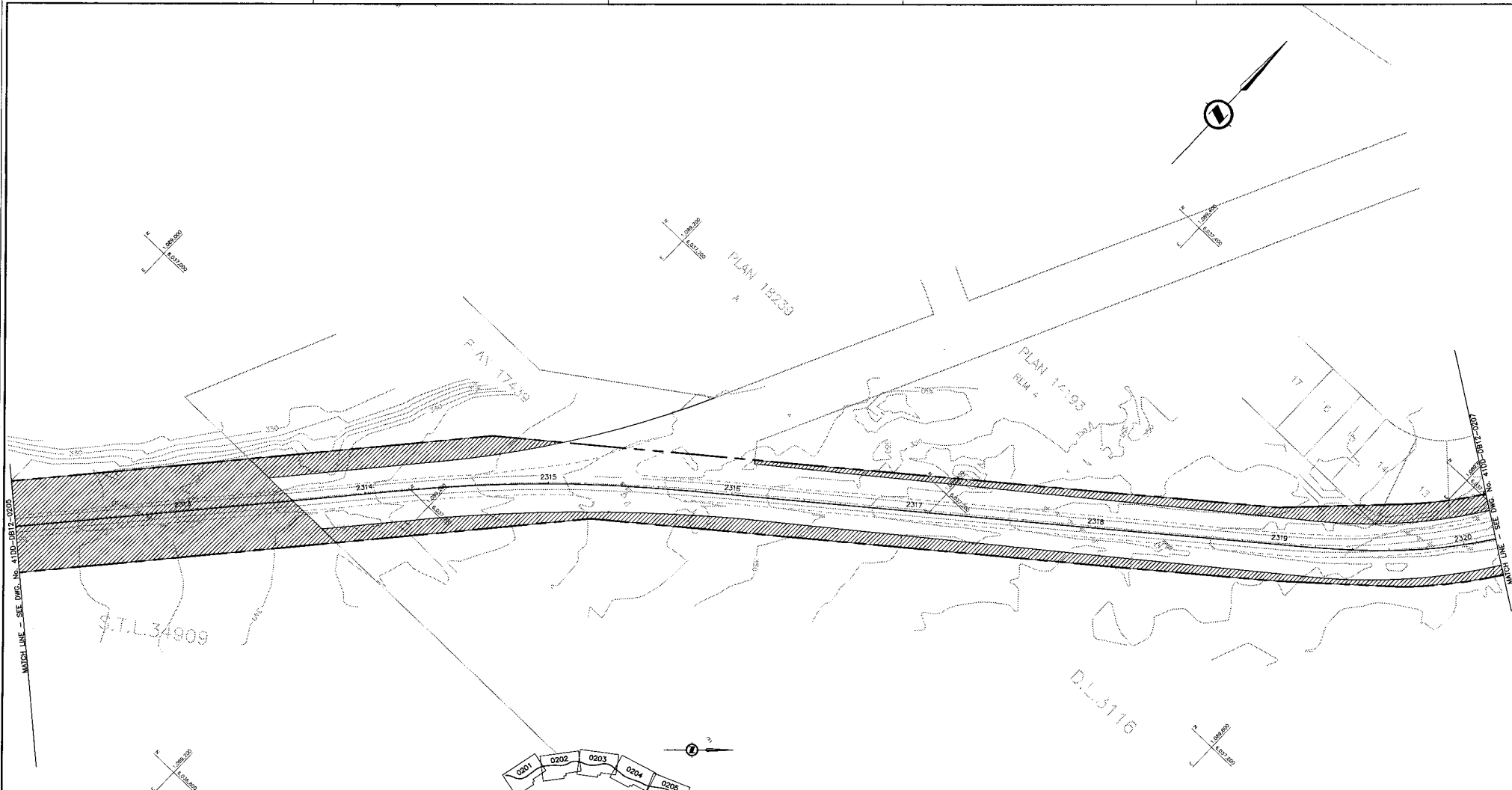
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 230+390.000 TO STA 231+210.000

SCALE 0 1:1000 50

DESIGNED: J. WACHMANN DATE: 2004-02-25
 DRAWN: M. KROB DATE: 2004-03-28
 CHECKED: S. MARRASO DATE: 2004-04-23
 APPROVED: J. SERRAO DATE: 2004-04-28

FILE No. PROJECT No. RFE. DATE DRAWING No.
 016315-EN10-S 09901-7005 1 41DD-DB12-0205 0

DATE: 2004-04-28
 FILE: 016315-EN10-S
 PROJECT: 09901-7005
 DRAWING: 41DD-DB12-0205



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451592 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL

DWG. No.	Description	Rev.	Date	Description	Signature
PACW-1105-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PE	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
		G	04-06-17	ISSUED FOR TENDER	ATW

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED: J. BOCHMAN DATE: 2004-02-25
 DRAWN: M. CRICK DATE: 2004-03-22
 CHECKED: S. MATHCOLO DATE: 2004-04-23
 APPROVED: T. TIGHE DATE: 2004-04-28

SCALE 0 1:1000 50

REVISIONS

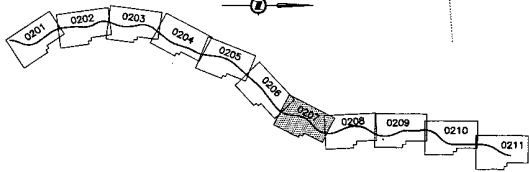
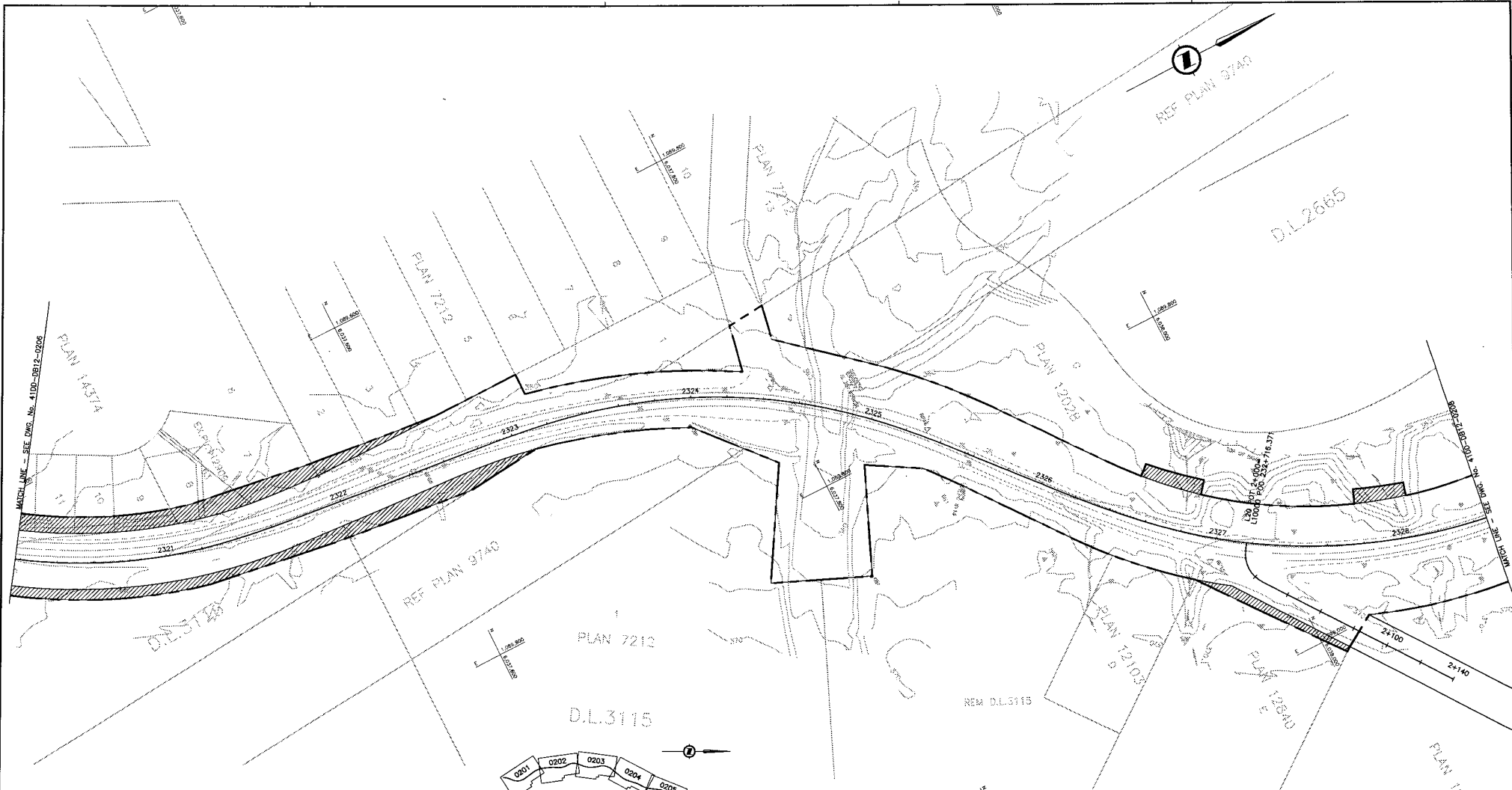
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 231+210.000 TO STA 232+020.000

SENIOR DESIGN ENGINEER DATE

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB12-0206 0

DATE PLOTTED: 2004/05/13 10:51:41 AM
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 PLOTTER: HP DesignJet 5000



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 335m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451992 THEN ADD 500,000m N AND 600,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	PA00-1106-01	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PB

DESIGNED J. WOODMAN DATE 2001-02-28		DRAWN M. JONES DATE 2001-03-29	
CHECKED S. HOSKING DATE 2001-04-23		APPROVED J. TOSCANI DATE 2001-05-28	
SCALE	1:1000	REV	DATE
		PA	04-04-30 ISSUED FOR REQUEST FOR PROPOSAL
		0	04-06-17 ISSUED FOR TENDER

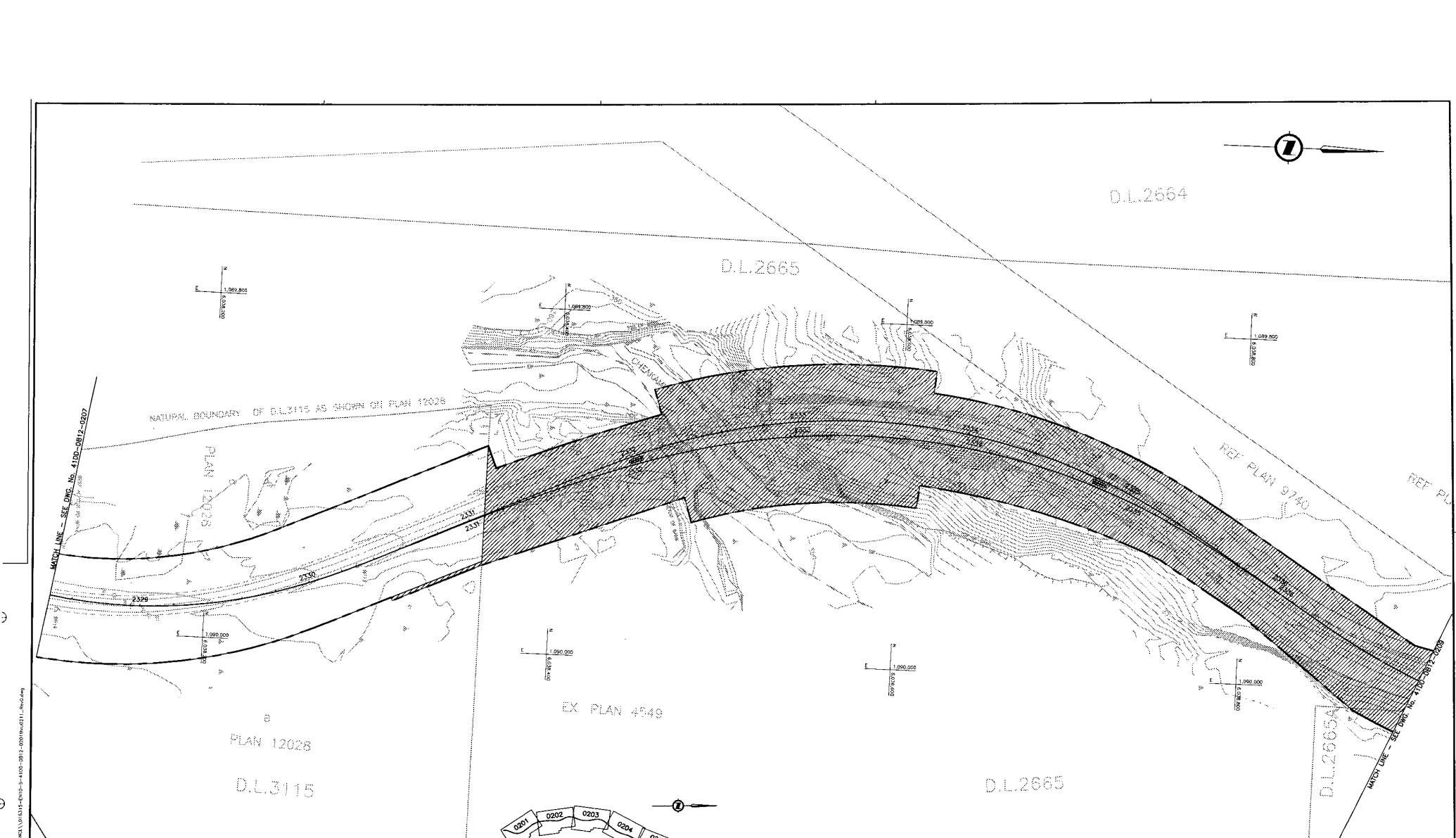
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 232+020.000 TO STA 232+840.000

SENIOR DESIGN ENGINEER: _____ DATE: _____

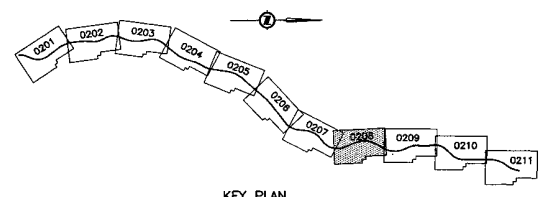
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DATE: 2001/05/28 09:17:12 232809 - http://www.snc-lavalin.com - Drawn by: J. Woodman - Checked by: S. Hosking - Approved by: J. Toscani - File No.: 016315-EN10-S - Project No.: 09901-7005 - Rev.: 1 - Drawing No.: 4100-DB12-0207



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-0900-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION



SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: J. WACHSMAN DATE: 2001-02-28
 DRAWN: M. FROCK DATE: 2001-04-24
 CHECKED: S. JOHNSON DATE: 2001-04-24
 APPROVED: J. SAGGAS DATE: 2001-04-28

SCALE 0 1:1000 50

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

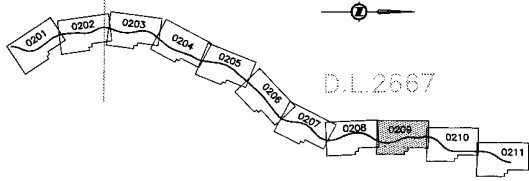
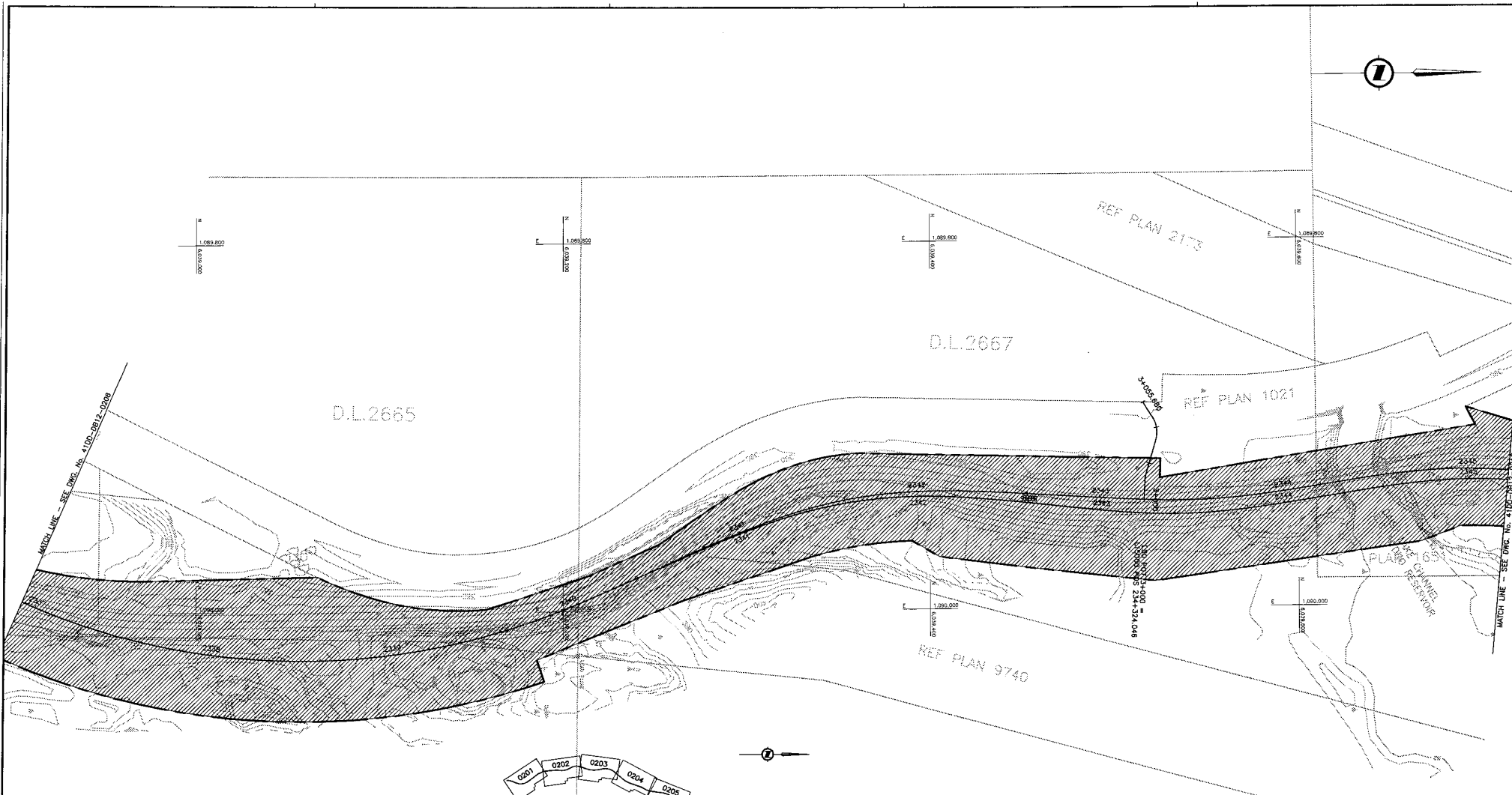
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 232+840.000 TO STA 233+700.000

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	PA01-1167-PR	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PE	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
			0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS			
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

SENIOR DESIGN ENGINEER	DATE

FILE NO.	PROJECT NO.	REV.	DRAWING NO.
016315-EN10-S	09901-7005	1	41DD-DB12-0208 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

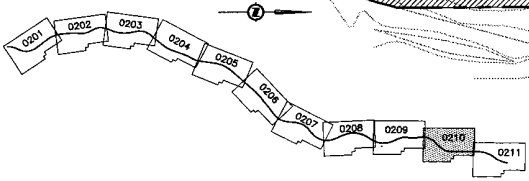
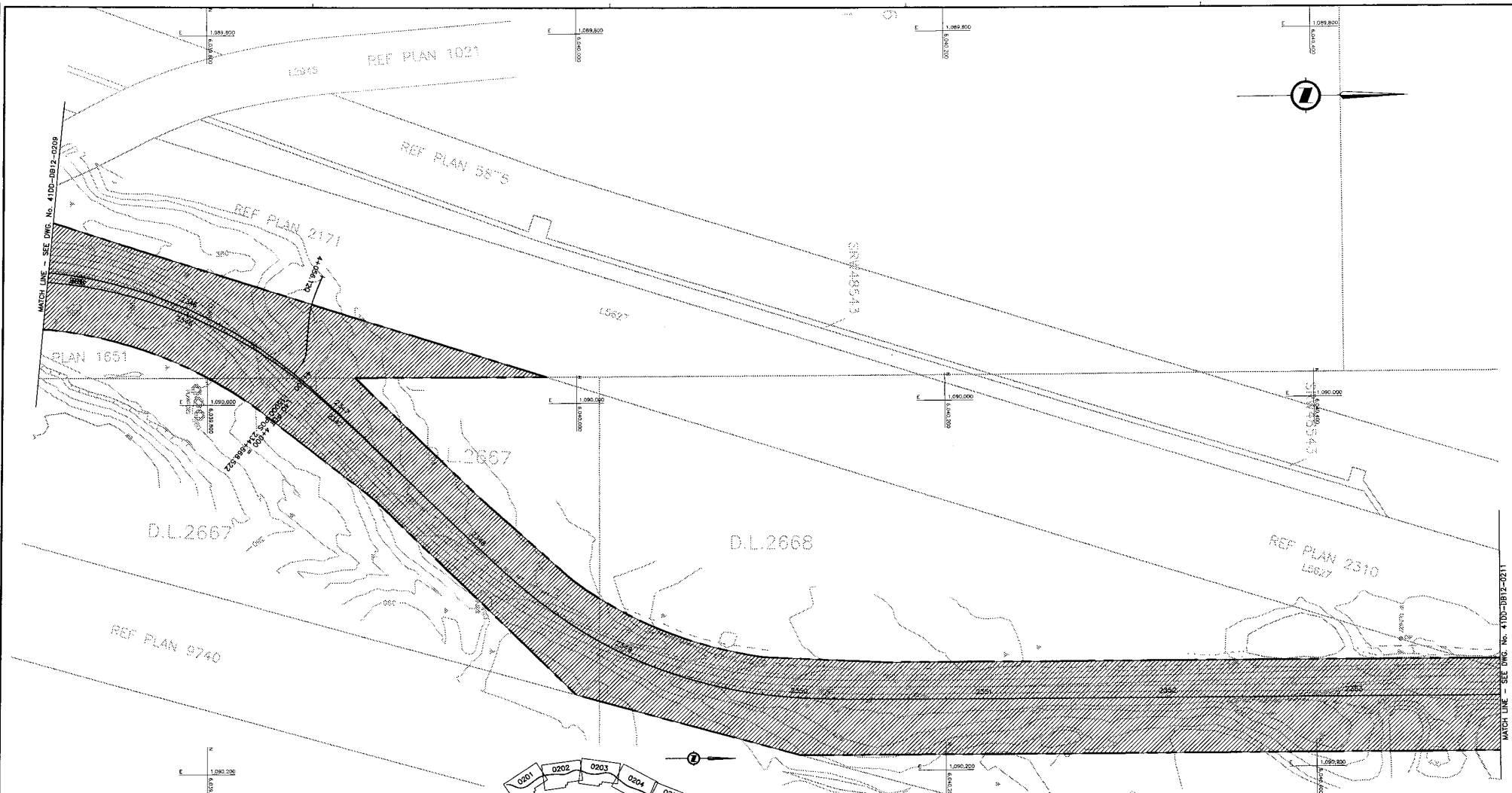
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	PACW-1108-06	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PB

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

 SNC-LAVALEN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB12 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ STA 233+700.000 TO STA 234+520.000			
SENIOR DESIGN ENGINEER		DATE	
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB12-0209 0

DATE: 2004/02/28 7:58pm To: 204/41 - CADWOR - Hwy108 - Draw(SMALL)016315-EN10-S-1-100-0812-0209(DRAWING)1 - Rev.04



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000481692 THEN ADD 500,000m N AND 600,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	PACW-1109-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PB

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: T. BENZMANN DATE: 2004-02-23
 DRAWN: M. BIRCH DATE: 2004-03-22
 CHECKED: S. MATHIEU DATE: 2005-04-23
 APPROVED: J. SHAWA DATE: 2005-04-28

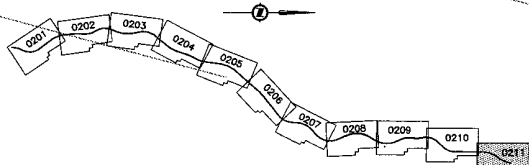
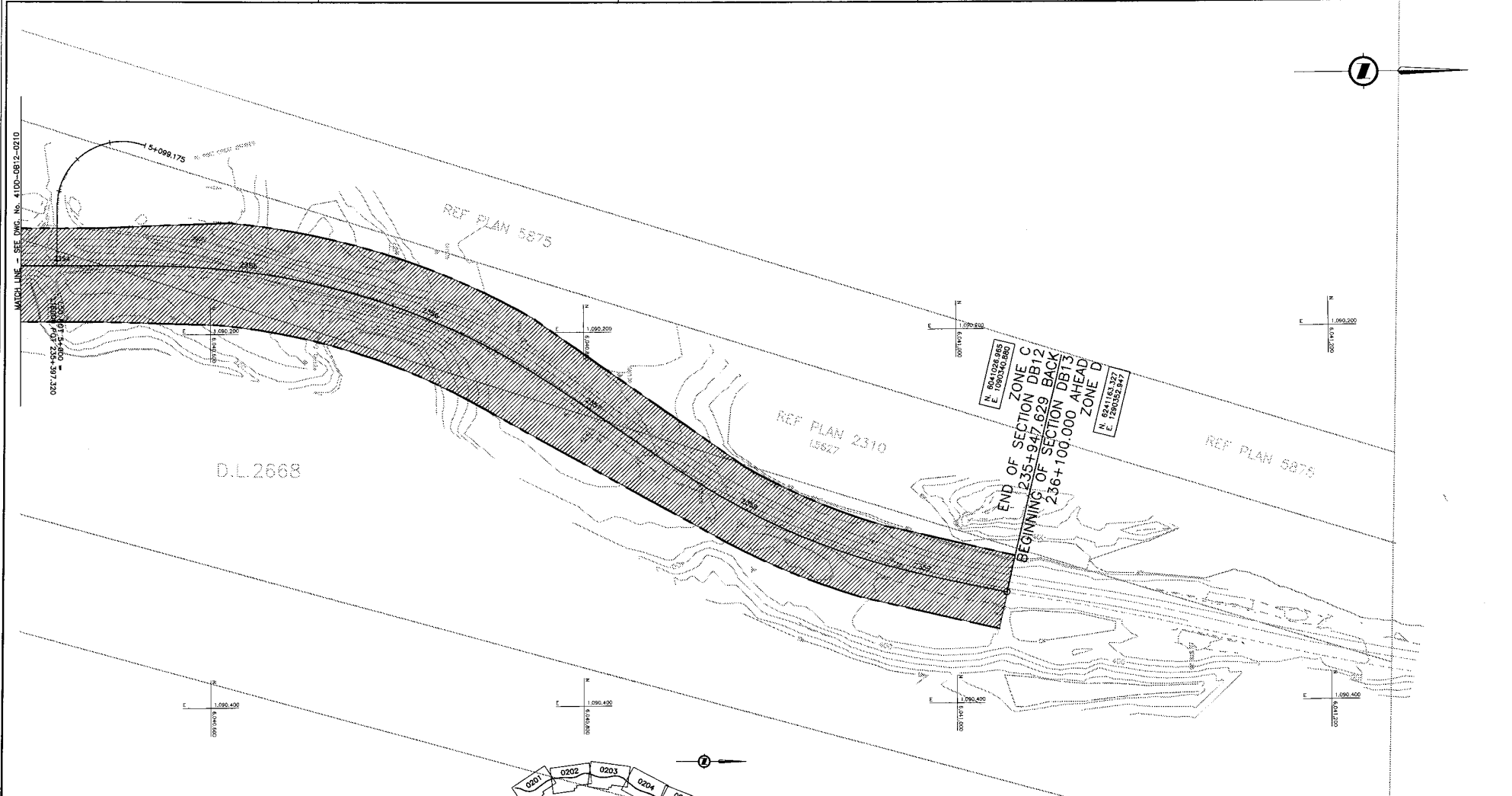
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 234+520.000 TO STA 235+380.000

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

SCHWAB DESIGN ENGINEER	DATE
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005
REV. 1	DRAWING NO. 41DD-DB12-0210

DATE: 2004/04/30 11:27am by: JAW/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB - Proj/AB
 DRAWN: M. BIRCH
 CHECKED: S. MATHIEU
 APPROVED: J. SHAWA



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB12-0211.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'C' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 338m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'C', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000451892 THEN ADD 500,000m N AND 830,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	PA0W-H110-RW	EARTH TECH - PRELIMINARY DESIGN - PROPERTY ACQUISITION - Rev. PR	PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	AW
			0	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALLIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3C9

DESIGNED: J. WISCHMANN DATE: 2001-02-28
 DRAWN: M. BRYCE DATE: 2001-02-28
 CHECKED: S. BRADSHAW DATE: 2001-08-23
 APPROVED: J. TOSARA DATE: 2001-08-28

SCALE: 0 1:1000 50

Rev	Date	Description	Signature
PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB12
 CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ
 STA 235+380.000 TO STA 235+947.629

SCALE: 0 1:1000 50

FILE No.	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1		41DD-DB12-0211 0

DATE: 2001/08/28 09:27:30am To: S:\41 - 41DD - DB12 - 0211 - 0211.dwg
 DRAWN BY: S. BRADSHAW
 PROJECT: 09901-7005 - DBFO - HORSESHOE BAY TO WHISTLER - CHEAKAMUS CANYON TO NORTH GARIBALDI CDZ

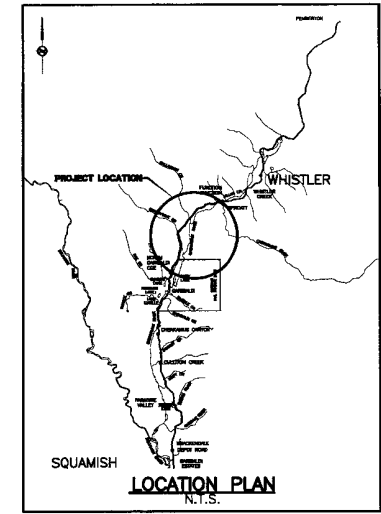
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CS7005-0040_01	5 Nov. 2004



PROJECT No. 09901

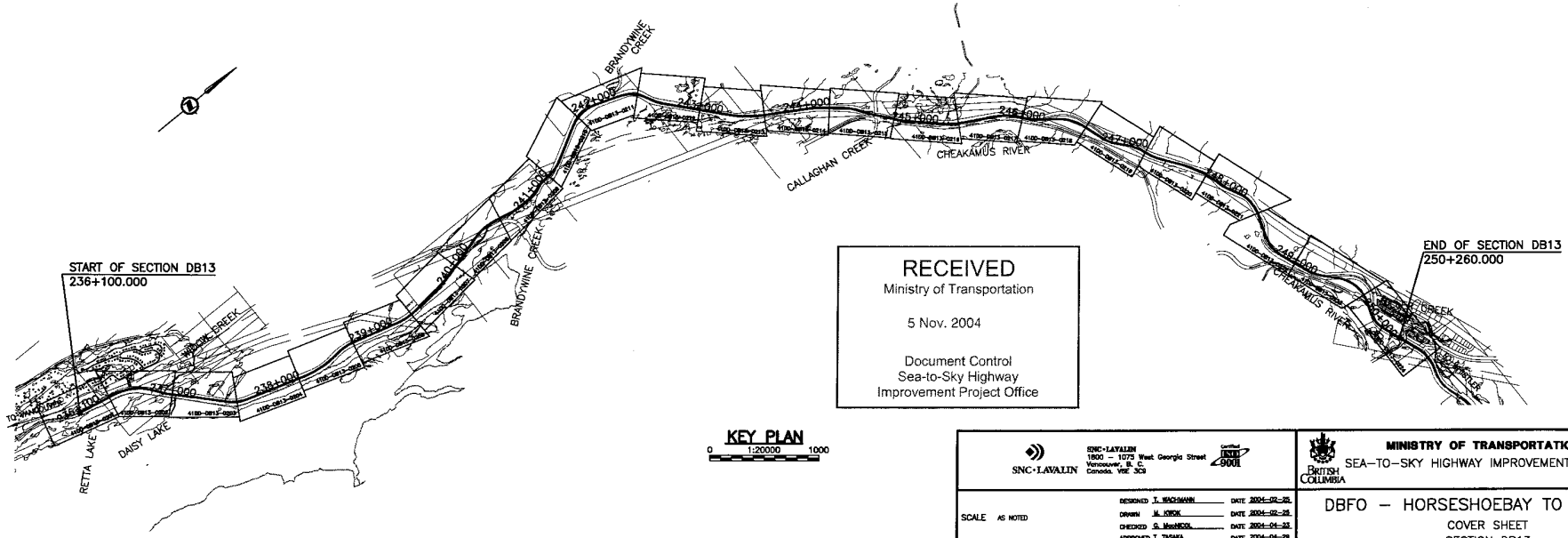
Section DB13

North Garibaldi CDZ to Function Junction



DRAWING INDEX

41DD-DB13-0000	1	COVER SHEET
41DD-DB13-0001	1	PLAN, PROFILE, LANNING SCHEMATIC - SHEET 1
41DD-DB13-0002	1	PLAN, PROFILE, LANNING SCHEMATIC - SHEET 2
41DD-DB13-0201	0	RIGHT-OF-WAY PLAN STA 236+100.000 TO STA 236+400.000
41DD-DB13-0202	0	RIGHT-OF-WAY PLAN STA 236+400.000 TO STA 237+000.000
41DD-DB13-0203	0	RIGHT-OF-WAY PLAN STA 237+000.000 TO STA 237+999.140
41DD-DB13-0204	0	RIGHT-OF-WAY PLAN STA 237+999.140 TO STA 238+200.000
41DD-DB13-0205	0	RIGHT-OF-WAY PLAN STA 238+200.000 TO STA 238+801.042
41DD-DB13-0206	0	RIGHT-OF-WAY PLAN STA 238+801.042 TO STA 238+802.283
41DD-DB13-0207	0	RIGHT-OF-WAY PLAN STA 238+802.283 TO STA 240+003.774
41DD-DB13-0208	0	RIGHT-OF-WAY PLAN STA 240+002.283 TO STA 240+803.938
41DD-DB13-0209	0	RIGHT-OF-WAY PLAN STA 240+803.938 TO STA 241+204.073
41DD-DB13-0210	0	RIGHT-OF-WAY PLAN STA 241+204.073 TO STA 241+805.005
41DD-DB13-0211	0	RIGHT-OF-WAY PLAN STA 241+805.005 TO STA 242+404.540
41DD-DB13-0212	0	RIGHT-OF-WAY PLAN STA 242+404.540 TO STA 243+004.540
41DD-DB13-0213	0	RIGHT-OF-WAY PLAN STA 243+004.540 TO STA 243+605.185
41DD-DB13-0214	0	RIGHT-OF-WAY PLAN STA 243+605.185 TO STA 244+205.428
41DD-DB13-0215	0	RIGHT-OF-WAY PLAN STA 244+205.428 TO STA 244+806.009
41DD-DB13-0216	0	RIGHT-OF-WAY PLAN STA 244+806.009 TO STA 245+405.964
41DD-DB13-0217	0	RIGHT-OF-WAY PLAN STA 245+405.964 TO STA 246+005.964
41DD-DB13-0218	0	RIGHT-OF-WAY PLAN STA 246+005.964 TO STA 246+805.964
41DD-DB13-0219	0	RIGHT-OF-WAY PLAN STA 246+805.964 TO STA 247+205.964
41DD-DB13-0220	0	RIGHT-OF-WAY PLAN STA 247+205.964 TO STA 247+804.871
41DD-DB13-0221	0	RIGHT-OF-WAY PLAN STA 247+804.871 TO STA 248+404.881
41DD-DB13-0222	0	RIGHT-OF-WAY PLAN STA 248+404.881 TO STA 248+804.881
41DD-DB13-0223	0	RIGHT-OF-WAY PLAN STA 248+804.881 TO STA 249+721.650
41DD-DB13-0224	0	RIGHT-OF-WAY PLAN STA 249+721.650 TO STA 250+260.000



RECEIVED
 Ministry of Transportation
 5 Nov. 2004
 Document Control
 Sea-to-Sky Highway
 Improvement Project Office

KEY PLAN
 0 1:20000 1000

SNC-LAVALIN
 SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C3

DESIGNED J. WOODMAN DATE 2004-07-28
 DRAWN M. SICK DATE 2004-07-28
 CHECKED G. MacDONALD DATE 2004-08-23
 APPROVED J. THORVA DATE 2004-09-29

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

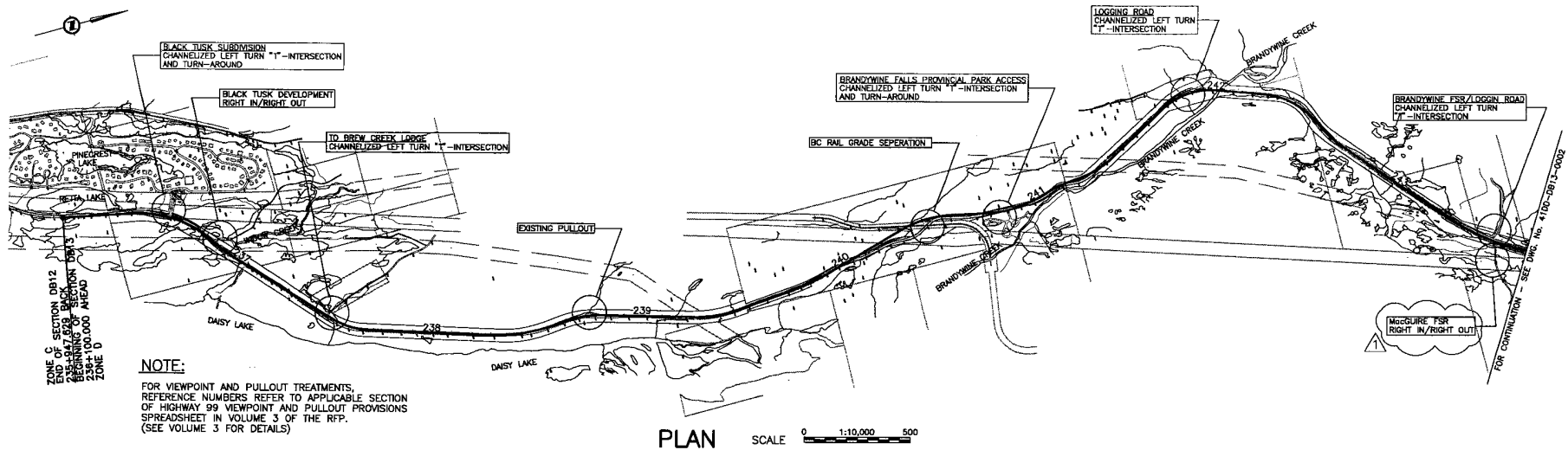
DBFO - HORSESHOEBAY TO WHISTLER
 COVER SHEET
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 236+100.000 TO STA 250+260.000

PROFESSIONAL SEAL	DWG. No.	Description

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-10-29	GENERAL REVISION	ARW

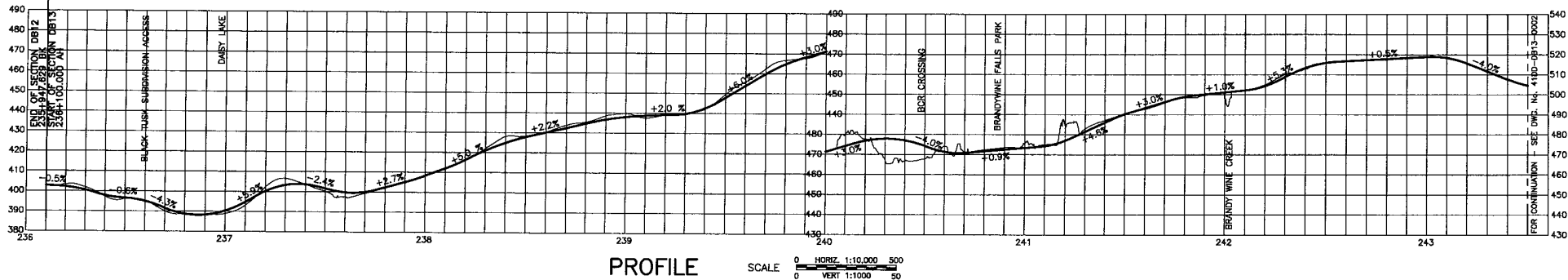
SENIOR DESIGN ENGINEER	DATE		
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0000

DATE: 2004/10/29 10:40:00 AM
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 PLOT: 09901-7005-EN10-S-41DD-DB13-0000.dwg



LANING SCHEMATIC SCALE N.T.S.

EXISTING LANING
PROPOSED LANING
TEMPORARY 3rd LANE DURING OLYMPICS



P:\10\1061\041315-EN10-S 09901-7005-1 41DD-DB13-0001.dwg
 DATE: 2004-02-28
 USER: j35664
 PLOT: 1061\1061\041315-EN10-S 09901-7005-1 41DD-DB13-0001.dwg
 PLOT DATE: 2004-02-28

PROFESSIONAL SEAL	DWG. No.	Description
	4100-0413-30-04	URBAN SYSTEMS -- FOR RIGHT-OF-WAY ACQUISITION -- Rev. A

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.

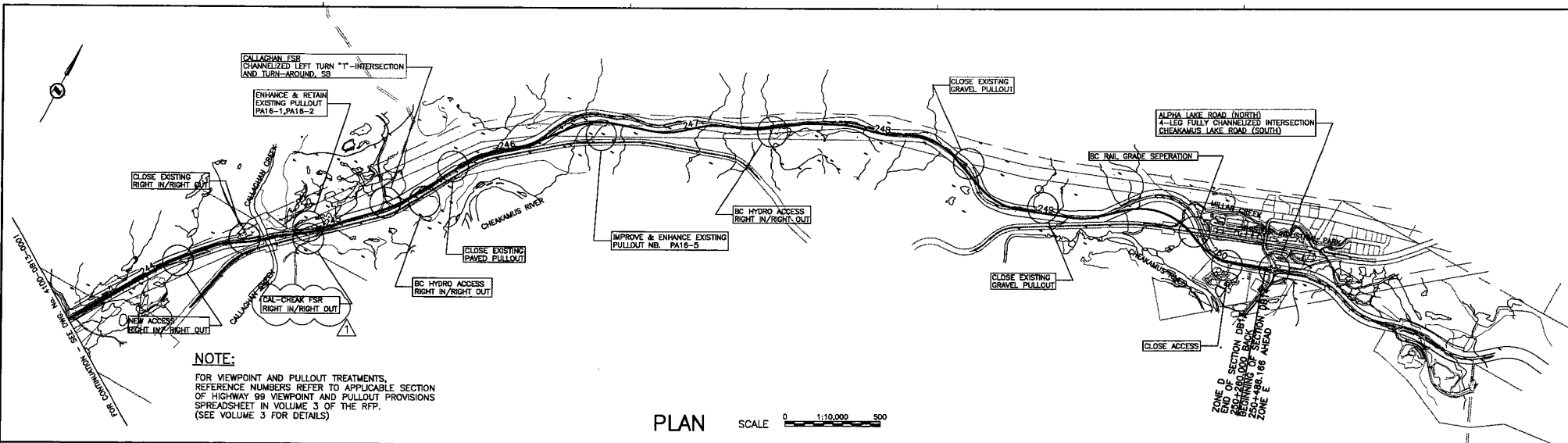
DESIGNED: J. BUCHHEIM DATE: 2004-02-28
 DRAWN: M. BIRK DATE: 2004-02-28
 CHECKED: S. HONG/G. HERRICK DATE: 2004-02-28
 APPROVED: J. BUCHHEIM DATE: 2004-02-28

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO -- HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 1
 SECTION DB13
 N. GARIBALDI CDZ TO FUNCTION JUNCTION
 STA. 236+100.000 TO STA. 243+500.000

Rev	Date	Description	Signature
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW
1	04-11-05	GENERAL REVISION	ARW

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0001

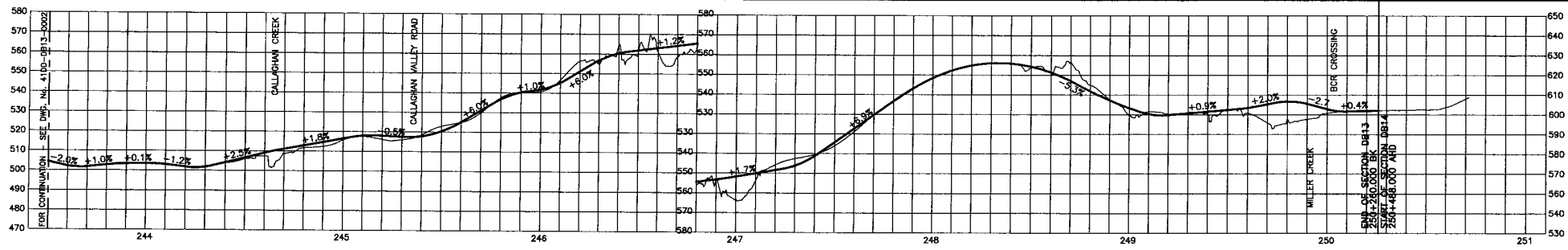


NOTE:
 FOR VIEWPOINT AND PULLOUT TREATMENTS, REFERENCE NUMBERS REFER TO APPLICABLE SECTION OF HIGHWAY 98 VIEWPOINT AND PULLOUT PROVISIONS SPREADSHEET IN VOLUME 3 OF THE RFP. (SEE VOLUME 3 FOR DETAILS)

PLAN SCALE 0 1:10,000 500



LANING SCHEMATIC SCALE N.T.S.



PROFILE SCALE 0 HORIZ 1:10,000 500 0 VERT 1:1000 50

NOTE: DRAWN BY: J. M. ...
 DATE: 2004-02-28
 PROJECT: 016315-EN10-S

PROFESSIONAL SEAL	DWG. No.	Description
	4100-2013-30-04	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

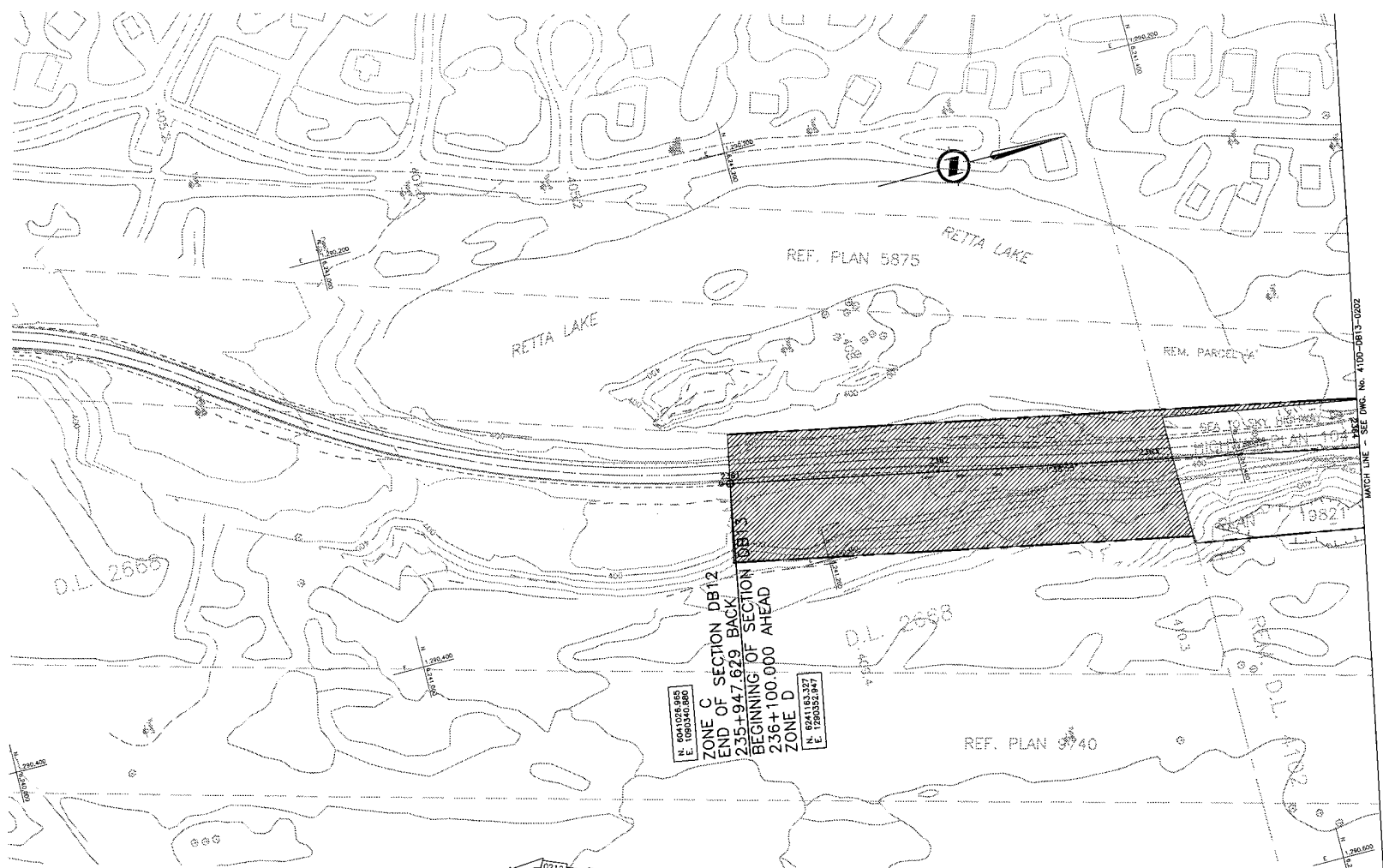
SCALE	Rev	Date	Description	Signature
	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
	PB	04-07-30	REVISED FOR REQUEST FOR PROPOSAL	ARW
	D	04-08-17	ISSUED FOR TENDER	ARW
	1	04-11-05	GENERAL REVISION	ARW

SNC-LAVALLIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada, V6E 3G9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 PLAN, PROFILE & LANING SCHEMATIC - SHEET 2
 SECTION DB13
 N. GARIBALDI CDZ TO FUNCTION JUNCTION
 STA. 243+500.000 TO STA. 250+260.000

SENIOR DESIGN ENGINEER	DATE
FILE No.	PROJECT No.
016315-EN10-S	09901-7005
REV.	DRAWING No.
1	41DD-DB13-0002



MATCH LINE - SEE DWG. NO. 41DD-DB13-0202



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-01	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED T. WEDGEMAN **DATE** 2004-02-25
DRAWN M. KIRBY **DATE** 2004-02-25
CHECKED S. HEDRICK **DATE** 2004-04-23
APPROVED J. SHAWA **DATE** 2004-05-28

SCALE 0 1:1000 50

Rev	Date	Description	Signature
PA	04-04-04	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

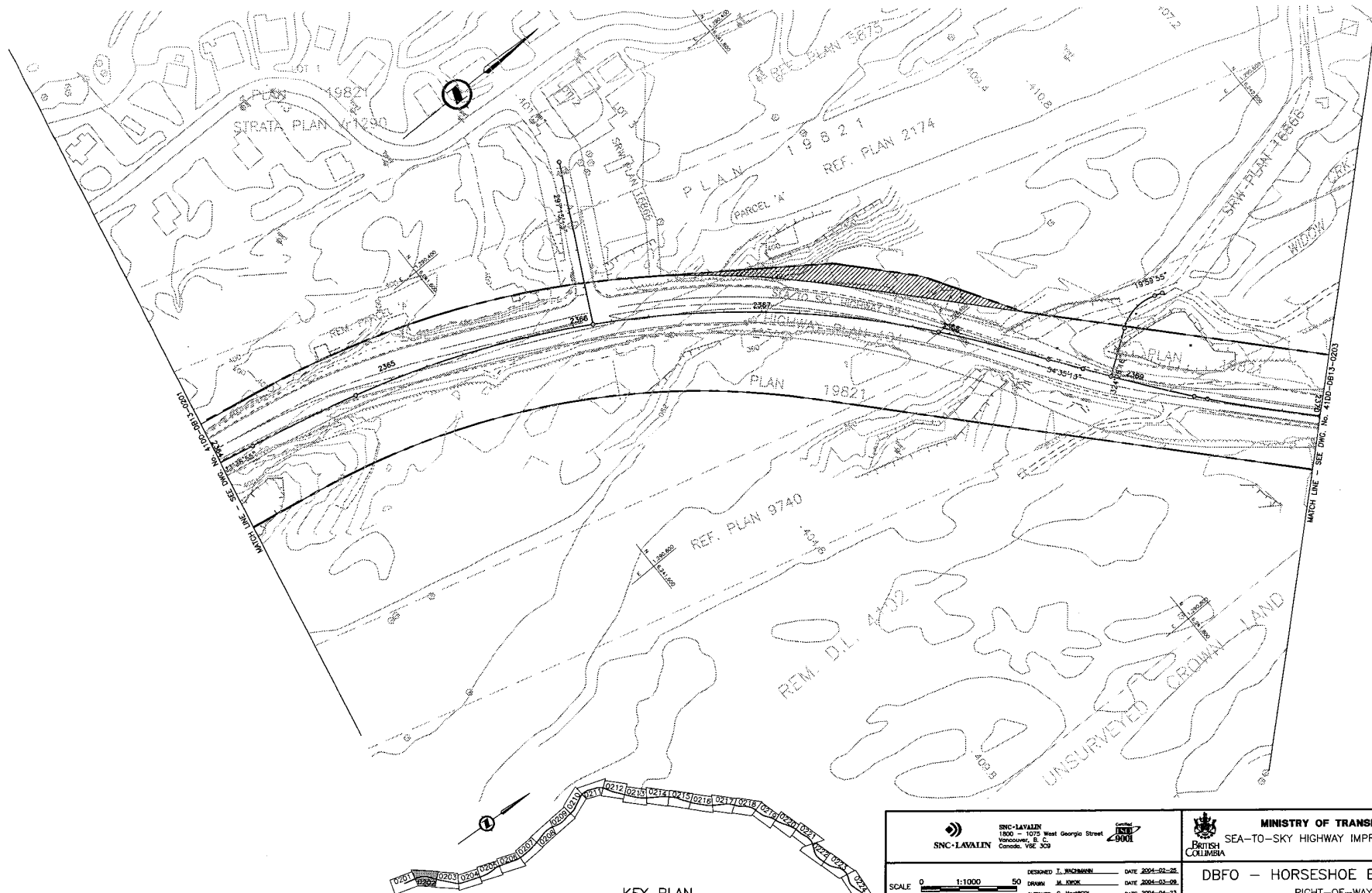
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB13
NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 236+100.000 TO STA 236+400.000

SENIOR DESIGN ENGINEER	DATE
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005
REV. 1	DRAWING NO. 41DD-DB13-0201

NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D': MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700.000m N AND 800.000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.




DATE: 2004/05/28 7:36am BY: JLB - CAD/CAD - DWG/DB - 41DD-DB13-0201/0202/0203/0204/0205/0206/0207/0208/0209/0210/0211/0212/0213/0214/0215/0216/0217/0218/0219/0220/0221/0222/0223/0224/0225/0226/0227/0228/0229/0230/0231/0232/0233/0234/0235/0236/0237/0238/0239/0240/0241/0242/0243/0244/0245/0246/0247/0248/0249/0250/0251/0252/0253/0254/0255/0256/0257/0258/0259/0260/0261/0262/0263/0264/0265/0266/0267/0268/0269/0270/0271/0272/0273/0274/0275/0276/0277/0278/0279/0280/0281/0282/0283/0284/0285/0286/0287/0288/0289/0290/0291/0292/0293/0294/0295/0296/0297/0298/0299/0300/0301/0302/0303/0304/0305/0306/0307/0308/0309/0310/0311/0312/0313/0314/0315/0316/0317/0318/0319/0320/0321/0322/0323/0324/0325/0326/0327/0328/0329/0330/0331/0332/0333/0334/0335/0336/0337/0338/0339/0340/0341/0342/0343/0344/0345/0346/0347/0348/0349/0350/0351/0352/0353/0354/0355/0356/0357/0358/0359/0360/0361/0362/0363/0364/0365/0366/0367/0368/0369/0370/0371/0372/0373/0374/0375/0376/0377/0378/0379/0380/0381/0382/0383/0384/0385/0386/0387/0388/0389/0390/0391/0392/0393/0394/0395/0396/0397/0398/0399/0400/0401/0402/0403/0404/0405/0406/0407/0408/0409/0410/0411/0412/0413/0414/0415/0416/0417/0418/0419/0420/0421/0422/0423/0424/0425/0426/0427/0428/0429/0430/0431/0432/0433/0434/0435/0436/0437/0438/0439/0440/0441/0442/0443/0444/0445/0446/0447/0448/0449/0450/0451/0452/0453/0454/0455/0456/0457/0458/0459/0460/0461/0462/0463/0464/0465/0466/0467/0468/0469/0470/0471/0472/0473/0474/0475/0476/0477/0478/0479/0480/0481/0482/0483/0484/0485/0486/0487/0488/0489/0490/0491/0492/0493/0494/0495/0496/0497/0498/0499/0500/0501/0502/0503/0504/0505/0506/0507/0508/0509/0510/0511/0512/0513/0514/0515/0516/0517/0518/0519/0520/0521/0522/0523/0524/0525/0526/0527/0528/0529/0530/0531/0532/0533/0534/0535/0536/0537/0538/0539/0540/0541/0542/0543/0544/0545/0546/0547/0548/0549/0550/0551/0552/0553/0554/0555/0556/0557/0558/0559/0560/0561/0562/0563/0564/0565/0566/0567/0568/0569/0570/0571/0572/0573/0574/0575/0576/0577/0578/0579/0580/0581/0582/0583/0584/0585/0586/0587/0588/0589/0590/0591/0592/0593/0594/0595/0596/0597/0598/0599/0600/0601/0602/0603/0604/0605/0606/0607/0608/0609/0610/0611/0612/0613/0614/0615/0616/0617/0618/0619/0620/0621/0622/0623/0624/0625/0626/0627/0628/0629/0630/0631/0632/0633/0634/0635/0636/0637/0638/0639/0640/0641/0642/0643/0644/0645/0646/0647/0648/0649/0650/0651/0652/0653/0654/0655/0656/0657/0658/0659/0660/0661/0662/0663/0664/0665/0666/0667/0668/0669/0670/0671/0672/0673/0674/0675/0676/0677/0678/0679/0680/0681/0682/0683/0684/0685/0686/0687/0688/0689/0690/0691/0692/0693/0694/0695/0696/0697/0698/0699/0700/0701/0702/0703/0704/0705/0706/0707/0708/0709/0710/0711/0712/0713/0714/0715/0716/0717/0718/0719/0720/0721/0722/0723/0724/0725/0726/0727/0728/0729/0730/0731/0732/0733/0734/0735/0736/0737/0738/0739/0740/0741/0742/0743/0744/0745/0746/0747/0748/0749/0750/0751/0752/0753/0754/0755/0756/0757/0758/0759/0760/0761/0762/0763/0764/0765/0766/0767/0768/0769/0770/0771/0772/0773/0774/0775/0776/0777/0778/0779/0780/0781/0782/0783/0784/0785/0786/0787/0788/0789/0790/0791/0792/0793/0794/0795/0796/0797/0798/0799/0800/0801/0802/0803/0804/0805/0806/0807/0808/0809/0810/0811/0812/0813/0814/0815/0816/0817/0818/0819/0820/0821/0822/0823/0824/0825/0826/0827/0828/0829/0830/0831/0832/0833/0834/0835/0836/0837/0838/0839/0840/0841/0842/0843/0844/0845/0846/0847/0848/0849/0850/0851/0852/0853/0854/0855/0856/0857/0858/0859/0860/0861/0862/0863/0864/0865/0866/0867/0868/0869/0870/0871/0872/0873/0874/0875/0876/0877/0878/0879/0880/0881/0882/0883/0884/0885/0886/0887/0888/0889/0890/0891/0892/0893/0894/0895/0896/0897/0898/0899/0900/0901/0902/0903/0904/0905/0906/0907/0908/0909/0910/0911/0912/0913/0914/0915/0916/0917/0918/0919/0920/0921/0922/0923/0924/0925/0926/0927/0928/0929/0930/0931/0932/0933/0934/0935/0936/0937/0938/0939/0940/0941/0942/0943/0944/0945/0946/0947/0948/0949/0950/0951/0952/0953/0954/0955/0956/0957/0958/0959/0960/0961/0962/0963/0964/0965/0966/0967/0968/0969/0970/0971/0972/0973/0974/0975/0976/0977/0978/0979/0980/0981/0982/0983/0984/0985/0986/0987/0988/0989/0990/0991/0992/0993/0994/0995/0996/0997/0998/0999/1000





NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".



TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 770.000m N AND 800.000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

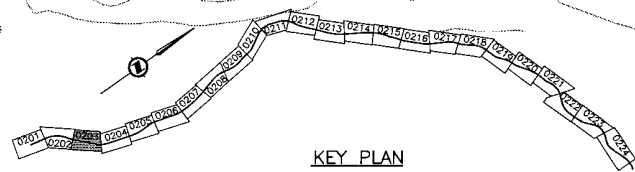
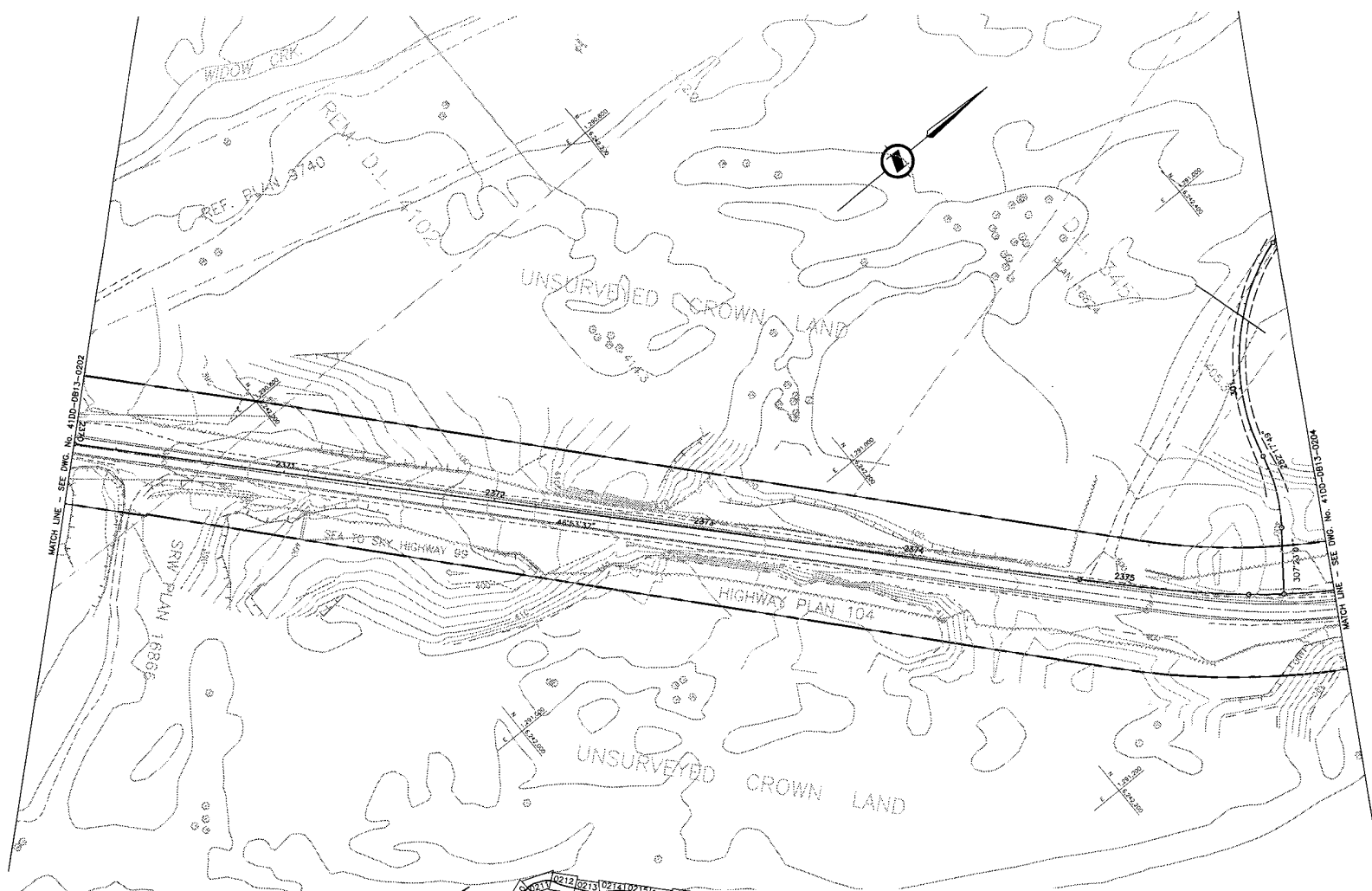
-  PROPOSED RIGHT-OF-WAY
-  EXISTING RIGHT-OF-WAY
-  RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PD13-30-02	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

 		SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9	
DESIGNED	J. PINCHMAN	DATE	2004-02-28
DRAWN	M. JORD	DATE	2004-02-28
CHECKED	S. HERRICK	DATE	2004-02-28
APPROVED	J. SCHNA	DATE	2004-02-28
Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

 	
MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 236+400.000 TO STA 237+000.000	
SENIOR DESIGN ENGINEER	DATE
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005
REG. 1	DRAWING NO. 4100-DB13-0202

DATE: 2004/02/28 11:27 AM
 USER: jpinchman
 CADD: 4100-DB13-0202
 PLOT: 4100-DB13-0202
 PLOT: 4100-DB13-0202



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 499m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description	Rev	Date	Description	Signature
	41DD-DB13-30-03	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A	PA	04-04-20	ISSUED FOR REQUEST FOR PROPOSAL	AW
			D	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: J. WAGMANN DATE: 2004-02-25
 DRAWN: M. BROW DATE: 2004-03-09
 CHECKED: S. BRANDELL DATE: 2004-04-23
 APPROVED: J. BRANDELL DATE: 2004-04-28

SCALE 0 1:1000 50

REFERENCE DRAWINGS

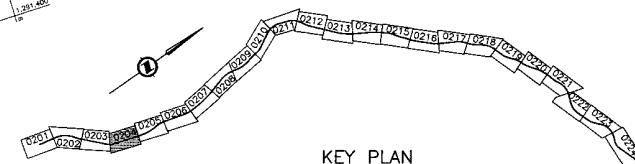
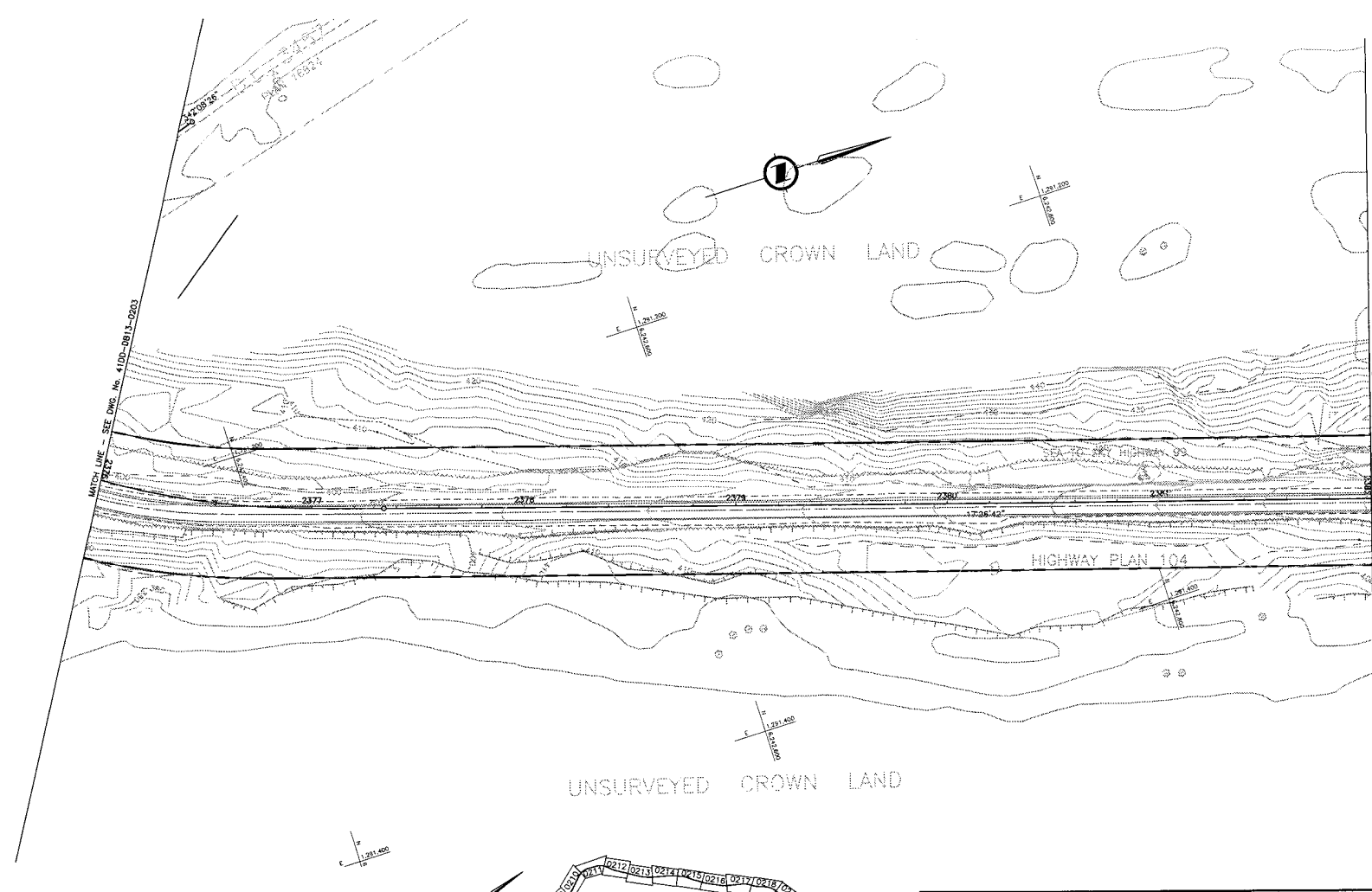
REVISIONS

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 237+000.000 TO STA 237+599.140

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 1 41DD-DB13-0203 10

DATE: 2004/04/28 10:23:56 AM TO: 41DD-DB13-0203 FROM: 41DD-DB13-0201/0202/0204/0205/0206/0207/0208/0209/0210/0211/0212/0213/0214/0215/0216/0217/0218/0219/0220/0221/0222/0223/0224/0225/0226/0227/0228/0229/0230/0231/0232/0233/0234/0235/0236/0237/0238/0239/0240/0241/0242/0243/0244/0245/0246/0247/0248/0249/0250/0251/0252/0253/0254/0255/0256/0257/0258/0259/0260/0261/0262/0263/0264/0265/0266/0267/0268/0269/0270/0271/0272/0273/0274/0275/0276/0277/0278/0279/0280/0281/0282/0283/0284/0285/0286/0287/0288/0289/0290/0291/0292/0293/0294/0295/0296/0297/0298/0299/0300/0301/0302/0303/0304/0305/0306/0307/0308/0309/0310/0311/0312/0313/0314/0315/0316/0317/0318/0319/0320/0321/0322/0323/0324/0325/0326/0327/0328/0329/0330/0331/0332/0333/0334/0335/0336/0337/0338/0339/0340/0341/0342/0343/0344/0345/0346/0347/0348/0349/0350/0351/0352/0353/0354/0355/0356/0357/0358/0359/0360/0361/0362/0363/0364/0365/0366/0367/0368/0369/0370/0371/0372/0373/0374/0375/0376/0377/0378/0379/0380/0381/0382/0383/0384/0385/0386/0387/0388/0389/0390/0391/0392/0393/0394/0395/0396/0397/0398/0399/0400/0401/0402/0403/0404/0405/0406/0407/0408/0409/0410/0411/0412/0413/0414/0415/0416/0417/0418/0419/0420/0421/0422/0423/0424/0425/0426/0427/0428/0429/0430/0431/0432/0433/0434/0435/0436/0437/0438/0439/0440/0441/0442/0443/0444/0445/0446/0447/0448/0449/0450/0451/0452/0453/0454/0455/0456/0457/0458/0459/0460/0461/0462/0463/0464/0465/0466/0467/0468/0469/0470/0471/0472/0473/0474/0475/0476/0477/0478/0479/0480/0481/0482/0483/0484/0485/0486/0487/0488/0489/0490/0491/0492/0493/0494/0495/0496/0497/0498/0499/0500/0501/0502/0503/0504/0505/0506/0507/0508/0509/0510/0511/0512/0513/0514/0515/0516/0517/0518/0519/0520/0521/0522/0523/0524/0525/0526/0527/0528/0529/0530/0531/0532/0533/0534/0535/0536/0537/0538/0539/0540/0541/0542/0543/0544/0545/0546/0547/0548/0549/0550/0551/0552/0553/0554/0555/0556/0557/0558/0559/0560/0561/0562/0563/0564/0565/0566/0567/0568/0569/0570/0571/0572/0573/0574/0575/0576/0577/0578/0579/0580/0581/0582/0583/0584/0585/0586/0587/0588/0589/0590/0591/0592/0593/0594/0595/0596/0597/0598/0599/0600/0601/0602/0603/0604/0605/0606/0607/0608/0609/0610/0611/0612/0613/0614/0615/0616/0617/0618/0619/0620/0621/0622/0623/0624/0625/0626/0627/0628/0629/0630/0631/0632/0633/0634/0635/0636/0637/0638/0639/0640/0641/0642/0643/0644/0645/0646/0647/0648/0649/0650/0651/0652/0653/0654/0655/0656/0657/0658/0659/0660/0661/0662/0663/0664/0665/0666/0667/0668/0669/0670/0671/0672/0673/0674/0675/0676/0677/0678/0679/0680/0681/0682/0683/0684/0685/0686/0687/0688/0689/0690/0691/0692/0693/0694/0695/0696/0697/0698/0699/0700/0701/0702/0703/0704/0705/0706/0707/0708/0709/0710/0711/0712/0713/0714/0715/0716/0717/0718/0719/0720/0721/0722/0723/0724/0725/0726/0727/0728/0729/0730/0731/0732/0733/0734/0735/0736/0737/0738/0739/0740/0741/0742/0743/0744/0745/0746/0747/0748/0749/0750/0751/0752/0753/0754/0755/0756/0757/0758/0759/0760/0761/0762/0763/0764/0765/0766/0767/0768/0769/0770/0771/0772/0773/0774/0775/0776/0777/0778/0779/0780/0781/0782/0783/0784/0785/0786/0787/0788/0789/0790/0791/0792/0793/0794/0795/0796/0797/0798/0799/0800/0801/0802/0803/0804/0805/0806/0807/0808/0809/0810/0811/0812/0813/0814/0815/0816/0817/0818/0819/0820/0821/0822/0823/0824/0825/0826/0827/0828/0829/0830/0831/0832/0833/0834/0835/0836/0837/0838/0839/0840/0841/0842/0843/0844/0845/0846/0847/0848/0849/0850/0851/0852/0853/0854/0855/0856/0857/0858/0859/0860/0861/0862/0863/0864/0865/0866/0867/0868/0869/0870/0871/0872/0873/0874/0875/0876/0877/0878/0879/0880/0881/0882/0883/0884/0885/0886/0887/0888/0889/0890/0891/0892/0893/0894/0895/0896/0897/0898/0899/0900/0901/0902/0903/0904/0905/0906/0907/0908/0909/0910/0911/0912/0913/0914/0915/0916/0917/0918/0919/0920/0921/0922/0923/0924/0925/0926/0927/0928/0929/0930/0931/0932/0933/0934/0935/0936/0937/0938/0939/0940/0941/0942/0943/0944/0945/0946/0947/0948/0949/0950/0951/0952/0953/0954/0955/0956/0957/0958/0959/0960/0961/0962/0963/0964/0965/0966/0967/0968/0969/0970/0971/0972/0973/0974/0975/0976/0977/0978/0979/0980/0981/0982/0983/0984/0985/0986/0987/0988/0989/0990/0991/0992/0993/0994/0995/0996/0997/0998/0999/1000



LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-DB13-30-54	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED: J. HEDERMAN DATE: 2004-02-25
DRAWN: M. STOK DATE: 2004-02-25
CHECKED: G. HENDERSON DATE: 2004-04-23
APPROVED: J. THORNTON DATE: 2004-04-28

Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB13
NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 237+599.140 TO STA 238+200.000

SENIOR DESIGN ENGINEER	DATE		
FILE NO.	PROJECT NO.	REV.	DRAWING NO.
016315-EN10-S	09901-7005	1	41DD-DB13-0204 0

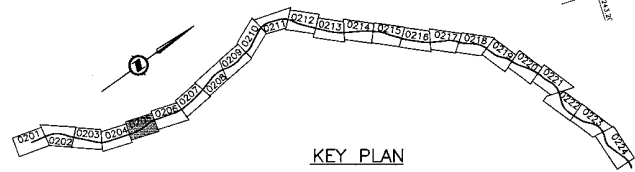
NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.00476313 THEN ADD 730,000m N AND 800,000m E.
ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

DATE: 2004/06/09 17:27:00 - File: 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01
 DRAWN: 2004/06/09 17:27:00 - File: 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01 - 41 - 04-03-00 - Rev: 01



MATCH LINE - SEE DWG. No. 41DD-DB13-0204

MATCH LINE - SEE DWG. No. 41DD-DB13-0205



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-05	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

REFERENCE DRAWINGS

SNC-LAVALIN
1800 - 1075 West Georgia Street
Vancouver, B.C.
Canada V6E 3C9

DESIGNED: J. WISCHMANN DATE: 2004-02-25
DRAWN: M. JORP DATE: 2004-04-08
CHECKED: J. HERRICK DATE: 2004-04-23
APPROVED: J. TSANGA DATE: 2004-05-28

Rev	Date	Description	Signature
FA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

REVISIONS

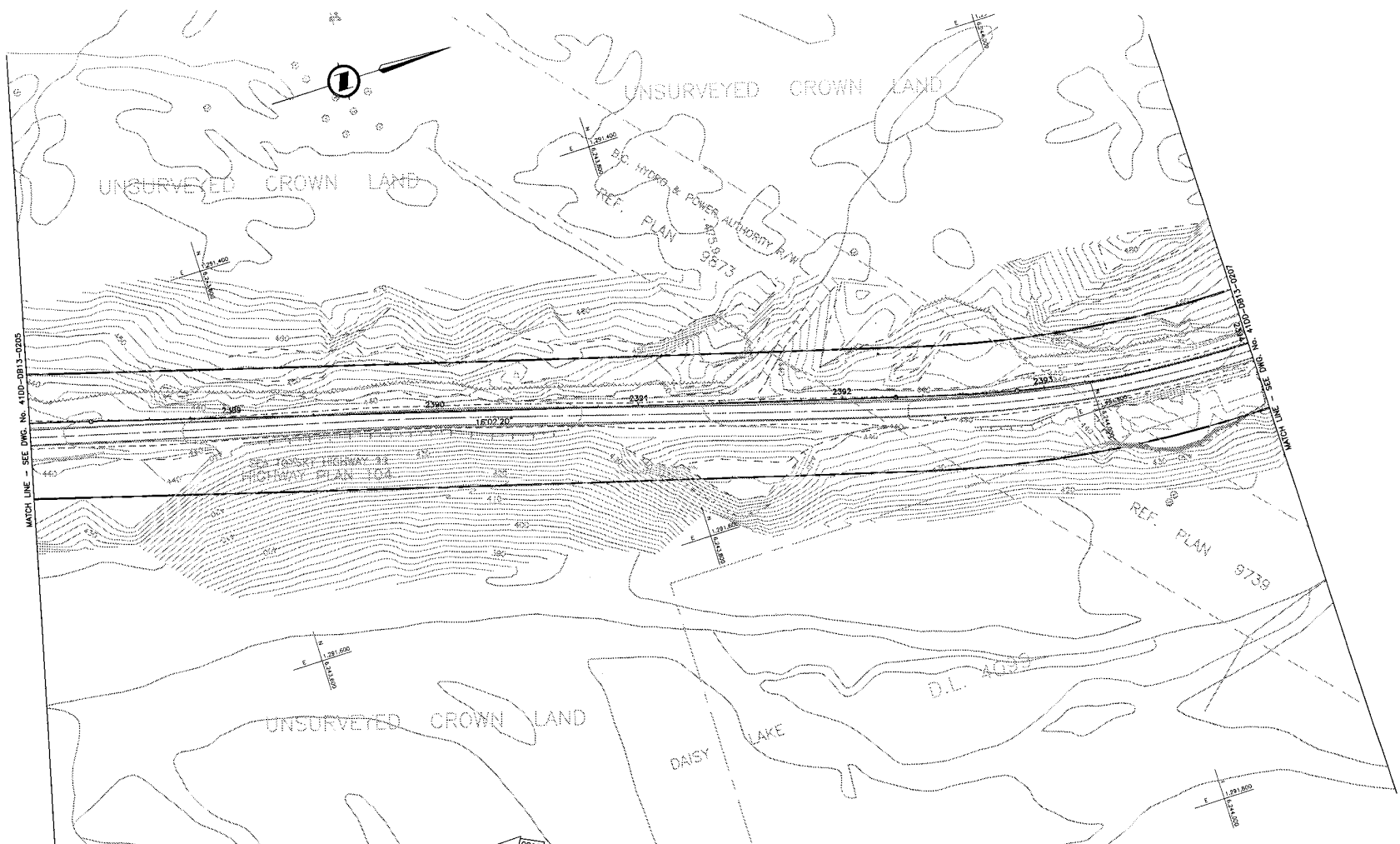
MINISTRY OF TRANSPORTATION
SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
RIGHT-OF-WAY PLAN
SECTION DB13
NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
STA 238+200.000 TO STA 238+801.042

SENIOR DESIGN ENGINEER	DATE
FILE No. 016315-EN10-S	PROJECT No. 09901-7005
REV. 1	DRAWING No. 41DD-DB13-0205

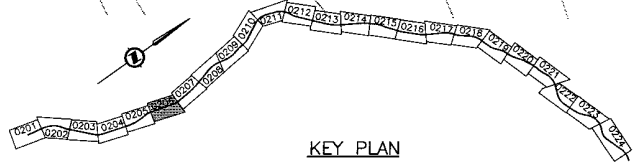
NOTES:
FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

DATE: 2004/08/09 7:58am - 7:58am - C:\GIS - Data\GIS\016315-EN10-S-41DD-DB13-0205\0204_Perf.dwg
LAYOUT: 2004/08/09 7:58am - 7:58am - C:\GIS - Data\GIS\016315-EN10-S-41DD-DB13-0205\0204_Perf.dwg



MATCH LINE - SEE DWG. No. 41DD-DB13-0205

MATCH LINE - SEE DWG. No. 41DD-DB13-0206



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-PC13-30-06	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

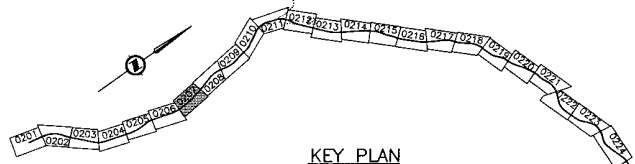
 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3G9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT
DESIGNED: J. REICHMANN DRAWN: M. LOROK CHECKED: S. HOFFERSON APPROVED: J. TRAHAN	DATE: 2004-02-25 DATE: 2004-03-09 DATE: 2005-04-28 DATE: 2004-04-28	DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 238+801.042 TO STA 239+402.283
SCALE 0 1:1000 50	REVISIONS Rev. Date Description Signature PA 04-04-30 ISSUED FOR REQUEST FOR PROPOSAL ARW 0 04-08-17 ISSUED FOR TENDER ARW	SENIOR DESIGN ENGINEER DATE FILE NO. PROJECT NO. RES. DRAWING NO. 016315-EN10-S 09901-7005 1 41DD-DB13-0206 10

DATE: 2005-04-28
 TIME: 10:00 AM
 USER: J. TRAHAN
 PLOT: 41DD-DB13-0206.PLT
 PLOTTER: HP DesignJet 500C
 PLOTTING: 100%
 PLOTTING: 100%
 PLOTTING: 100%



MATCH LINE - SEE DWG. No. 41DD-DB13-0206

MATCH LINE - SEE DWG. No. 41DD-DB13-0204



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-DB13-00-01	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

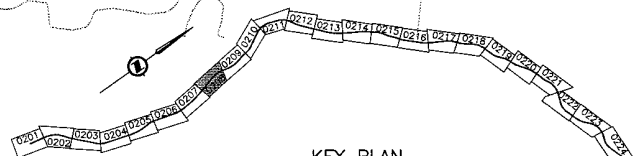
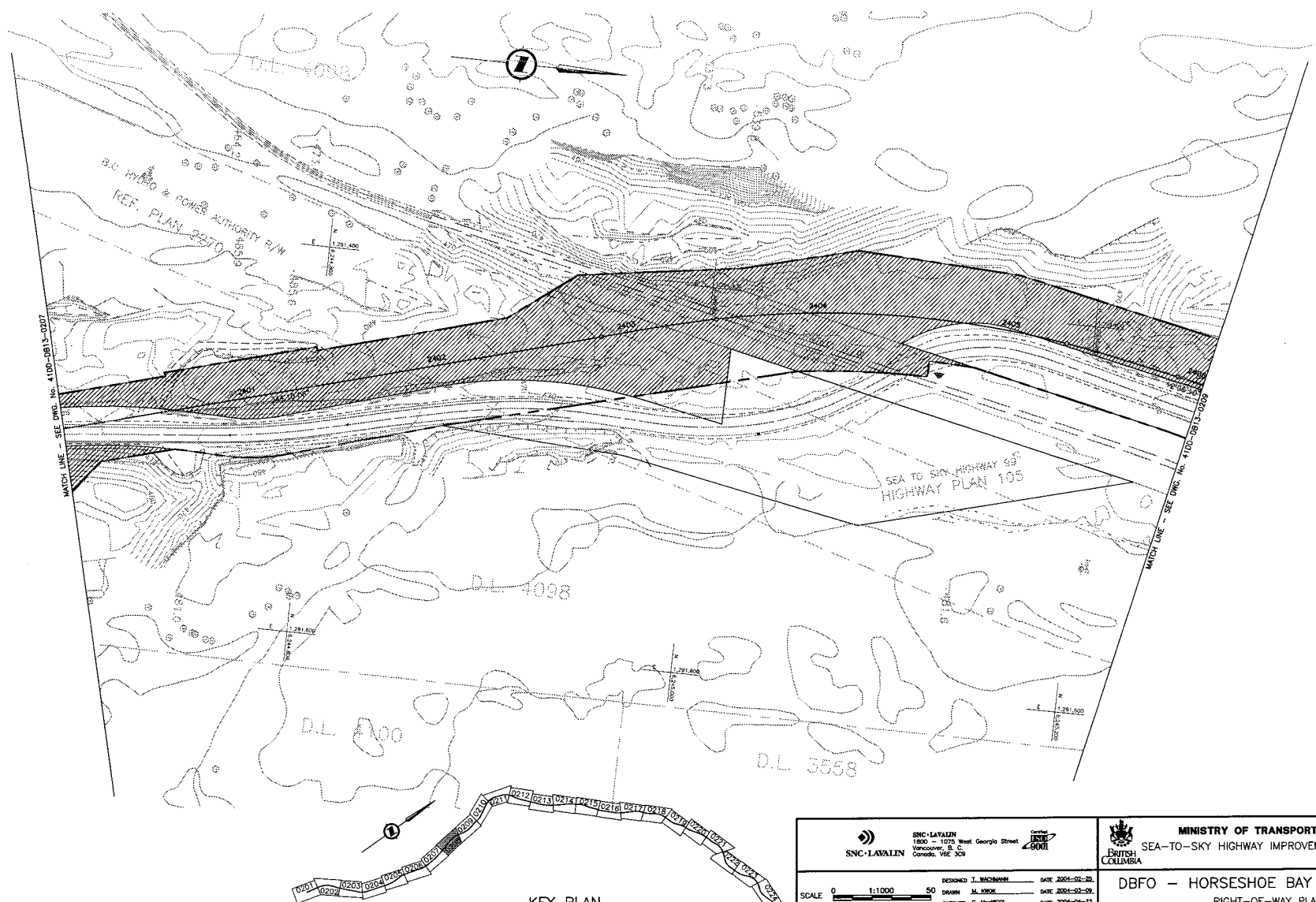
 SNC-LAVALIN 1800 - 1075 West George Street Vancouver, B. C. Canada, V6E 3C9		 1900 1901	
DESIGNED	J. WACHMANN	DATE	2004-02-25
DRAWN	M. JERRY	DATE	2004-03-09
CHECKED	S. MURPHY	DATE	2005-05-24
APPROVED	J. SIKSIS	DATE	2005-05-28
Rev.	Date	Description	Signature
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
Q	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 239+402.283 TO STA 240+003.774

SENIOR DESIGN ENGINEER	DATE		
FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0207 0

DATE PLOTTED: 2005-05-28 10:28 AM
 PLOT FILE: C:\PROJ\016315-EN10-S\016315-EN10-S-DB13-0207-001.dwg
 PLOT SCALE: 1:1000
 PLOT DEVICE: HPGL-2
 PLOTTER: HPGL-2



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-0208	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

DESIGNED: J. BUCHMANN DATE: 2004-02-24		DRAWN: M. HENK DATE: 2004-02-24	
CHECKED: S. HENK DATE: 2004-02-24		APPROVED: J. SAGIEL DATE: 2004-02-24	
Rev.	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

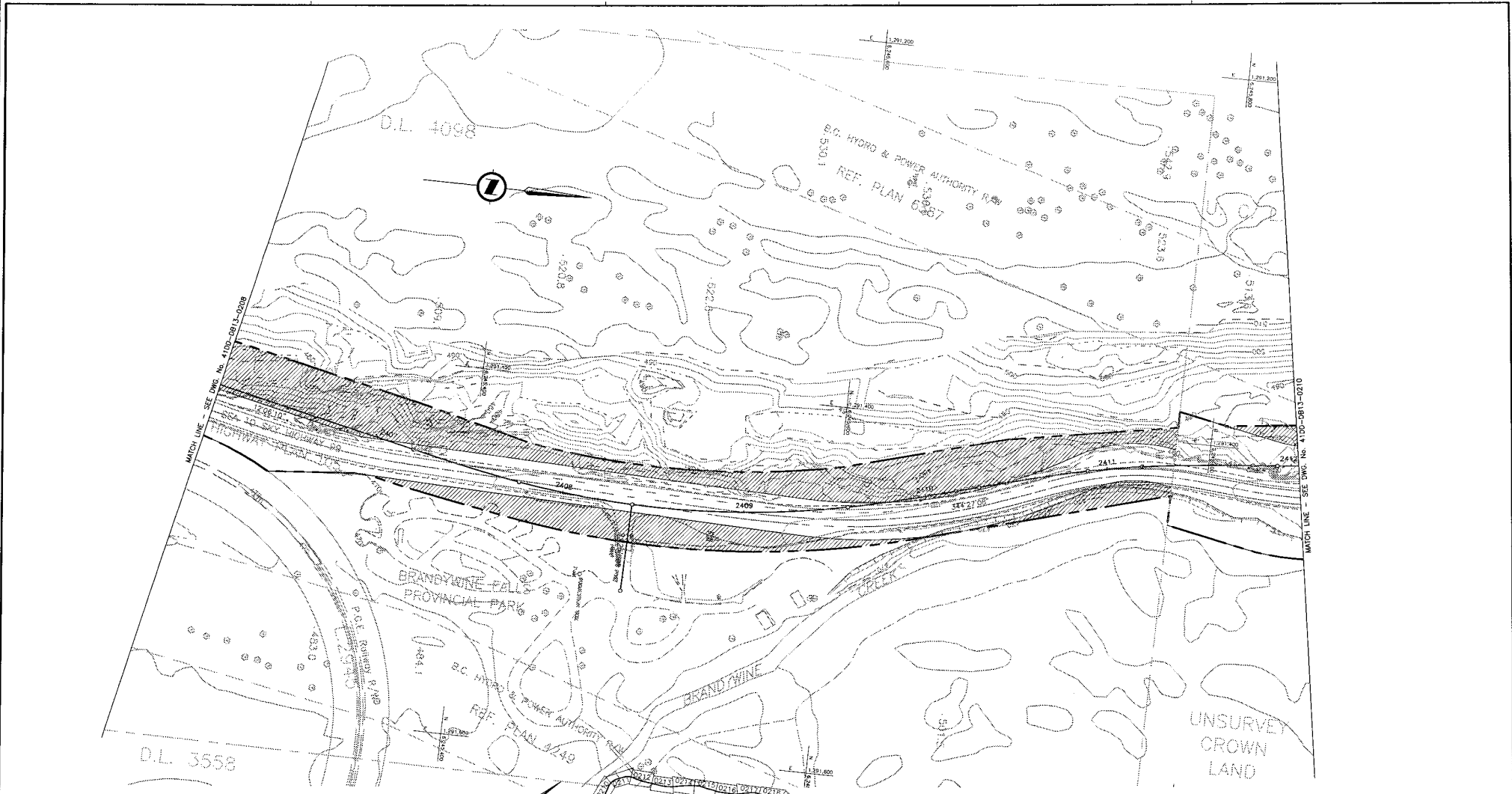
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 240+002.283 TO STA 240+603.938

SCALE: 0 1:1000 50

SENIOR DESIGN ENGINEER: _____ DATE: _____
 FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 REG.: 1 DRAWING NO.: 41DD-DB13-0208 10

DATE: 2004/02/24 7:38am
 FILE: I:\Projects\2004\41DD-DB13-0208\41DD-DB13-0208.dwg
 USER: jhenk
 PLOT: 41DD-DB13-0208.dwg
 PLOTTER: HP DesignJet 500



DATE: 2004/07/10 10:45:00 AM
 USER: j10001
 PROJECT: 09901-7005
 DRAWING: 41DD-DB13-0209
 SCALE: 1:1000
 SHEET: 1 OF 1

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-20-04	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev A

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED J. WACHMANN DATE 2004-04-25
 DRAWN M. KIRBY DATE 2004-05-29
 CHECKED S. BUCHHEIM DATE 2004-06-23
 APPROVED J. SKORSA DATE 2004-08-28

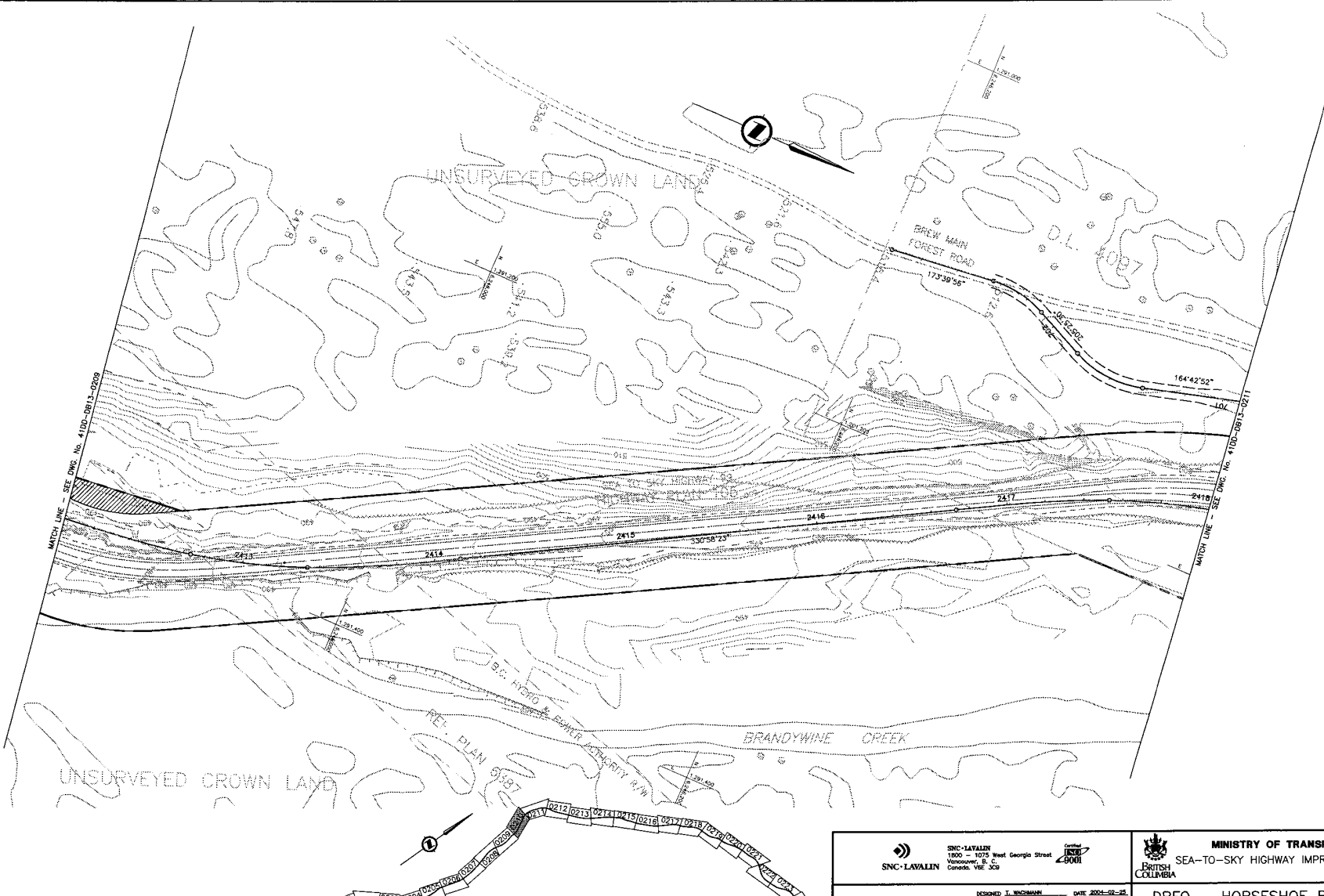
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	
0	04-08-17	ISSUED FOR TENDER	AW

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 240+603.938 TO STA 241+204.073

FILE No.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0209 0



MATCH LINE - SEE DWG. No. 41DD-DB13-0209

MATCH LINE - SEE DWG. No. 41DD-DB13-0211

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

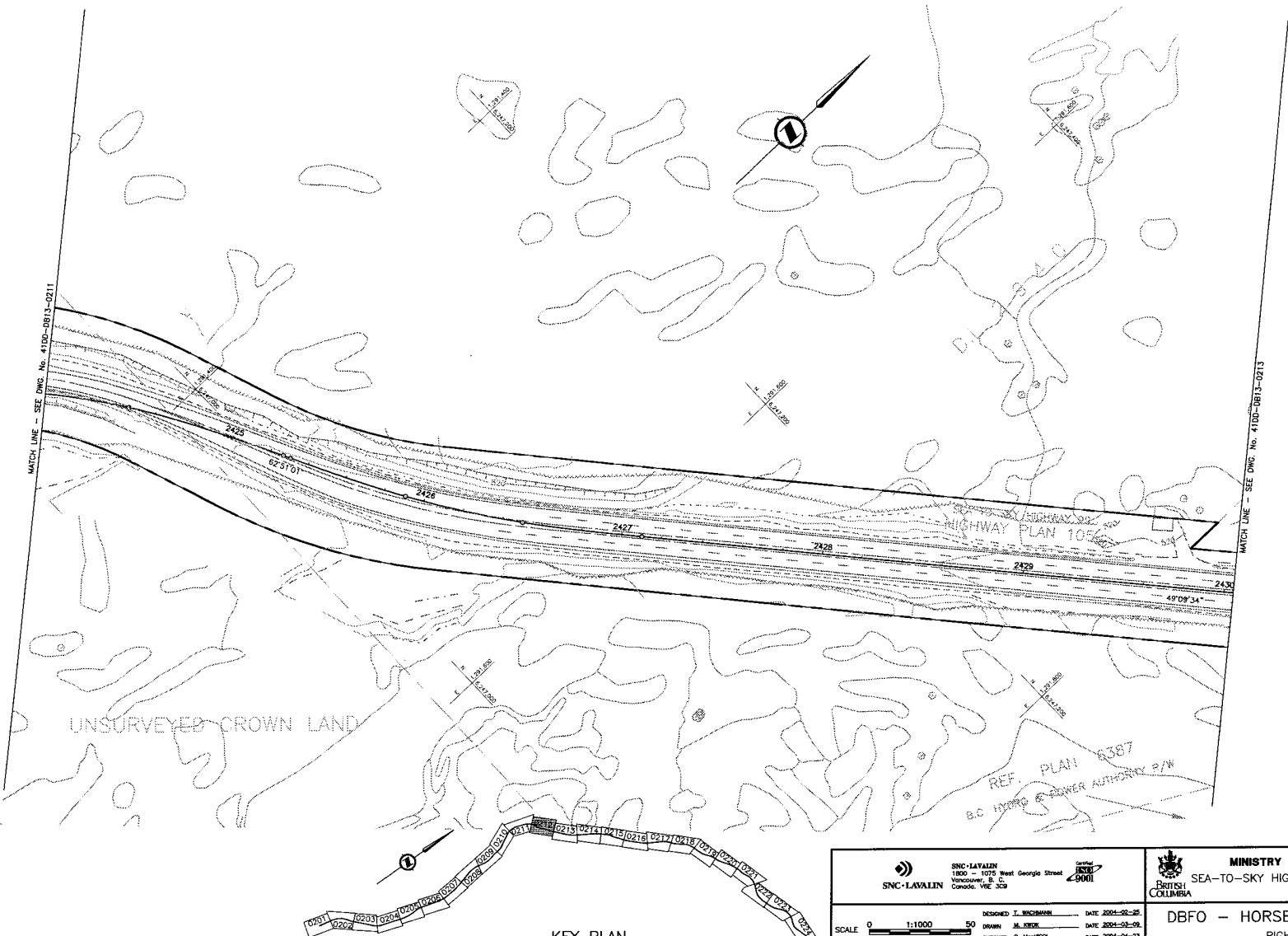
KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-10	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

REFERENCE DRAWINGS

SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT													
SCALE 0 1:1000 50		DESIGNED: J. WECHERMAN DATE: 2004-02-25 DRAWN: M. KOPPE DATE: 2004-02-25 CHECKED: S. HAYBROOK DATE: 2004-04-23 APPROVED: J. TSUKADA DATE: 2004-04-28													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>PA</td> <td>04-04-30</td> <td>ISSUED FOR REQUEST FOR PROPOSAL</td> <td>ARW</td> </tr> <tr> <td>D</td> <td>04-08-17</td> <td>ISSUED FOR TENDER</td> <td>ARW</td> </tr> </tbody> </table>		Rev	Date	Description	Signature	PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW	D	04-08-17	ISSUED FOR TENDER	ARW	DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 241+204.073 TO STA 241+805.005	
Rev	Date	Description	Signature												
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW												
D	04-08-17	ISSUED FOR TENDER	ARW												
SENIOR DESIGN ENGINEER		DATE													
FILE NO.		PROJECT NO.													
016315-EN10-S		09901-7005													
REVISIONS		DRAWING NO.													
		41DD-DB13-0210													
		1 0													

DATE: 2004/04/28 11:27 AM BY: J. WECHERMAN DWG. No. 41DD-DB13-0210-0001



MATCH LINE - SEE DWG. No. 41DD-DB13-0211

MATCH LINE - SEE DWG. No. 41DD-DB13-0213

UNSURVEYED CROWN LAND

HIGHWAY PLAN 1056

REF. PLAN 8387
B.C. HIGHWAY & POWER AUTHORITY P/W



KEY PLAN

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE '0' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE '0', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-15	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada, V6E 3C9

DESIGNED: J. BUCHMANN DATE: 2004-08-25
 DRAWN: M. HEDKE DATE: 2004-08-09
 CHECKED: S. McFARLANE DATE: 2004-08-23
 APPROVED: J. BUCHMANN DATE: 2004-08-28

SCALE 0 1:1000 50

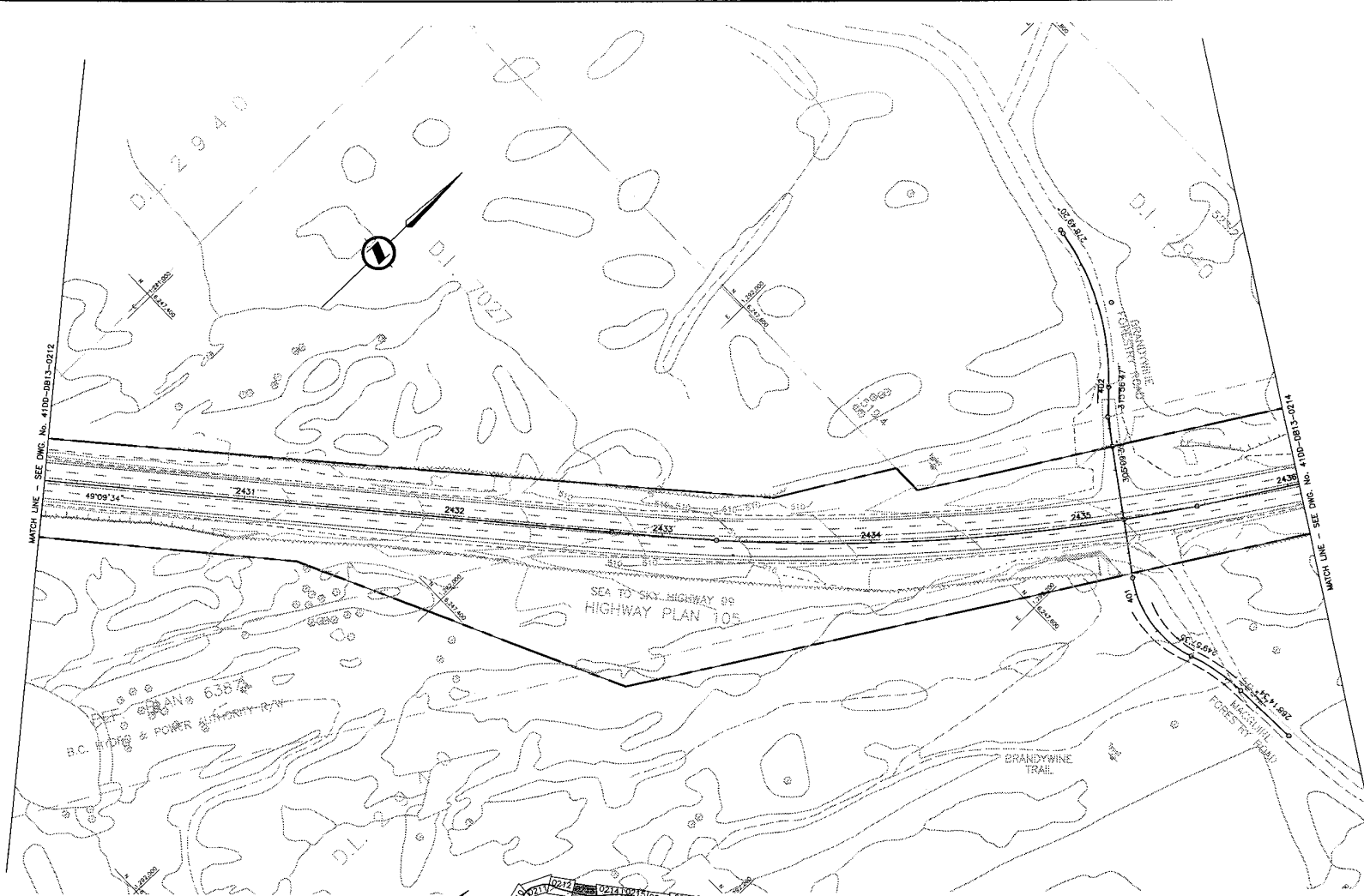
MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 242+404.540 TO STA 243+004.540

Rev.	Date	Description	Signature
PA	04-04-00	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

SENIOR DESIGN ENGINEER	DATE
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005
REV. 1	DRAWING NO. 41DD-DB13-0212

DATE: 2004-08-28 11:58 AM TO: SNAVA - CIVIL - DB13 - EN10-S - 41DD-DB13-0212.dwg



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1,000,476,313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-DB13-30-13	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

DESIGNED: T. WICKMANN DATE: 2004-02-25		DRAWN: M. SEVER DATE: 2004-02-25	
CHECKED: S. BERTHIAUX DATE: 2004-04-23		APPROVED: J. SAGRA DATE: 2004-06-28	
Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

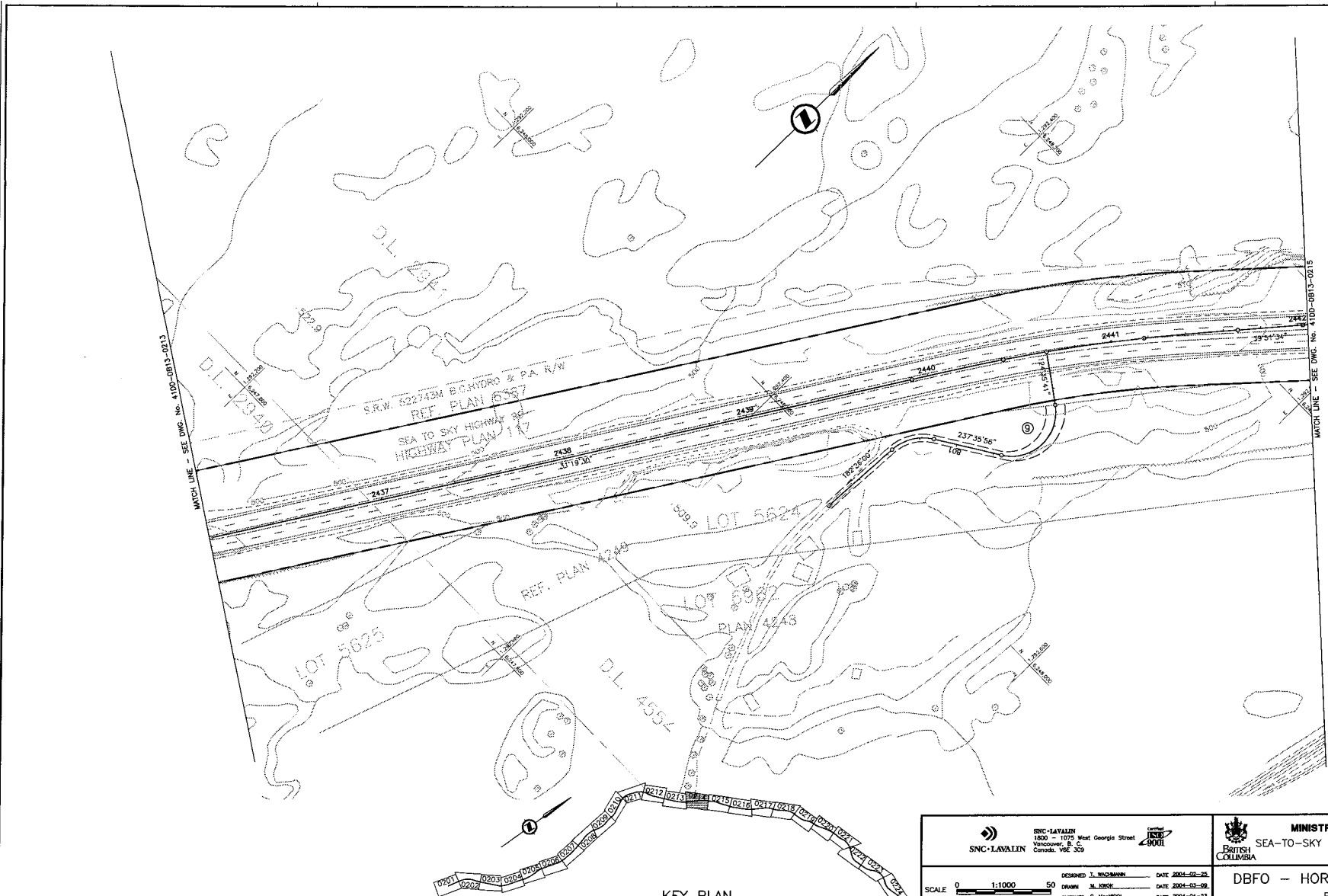
DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 243+004.540 TO STA 243+605.165

SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE NO.: 016315-EN10-S PROJECT NO.: 09901-7005 NO.: 1 DRAWING NO.: 4100-DB13-0213

DATE: 2004/07/09 11:23am
 DRAWN BY: M. SEVER
 CHECKED BY: S. BERTHIAUX
 APPROVED BY: J. SAGRA
 PLOT NO.: 0213
 DRAWING NO.: 4100-DB13-0213

DATE: 2004/09/08 11:27:30am
 USER: j1212
 FILE: C:\PROJECTS\41DD-DB13-0214-0001\Drawings\41DD-DB13-0214-0001-0001-0001.dwg
 PLOT: 41DD-DB13-0214-0001-0001-0001-0001.dwg
 PLOTTER: HP DesignJet 500



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-P013-30-14	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

REFERENCE DRAWINGS

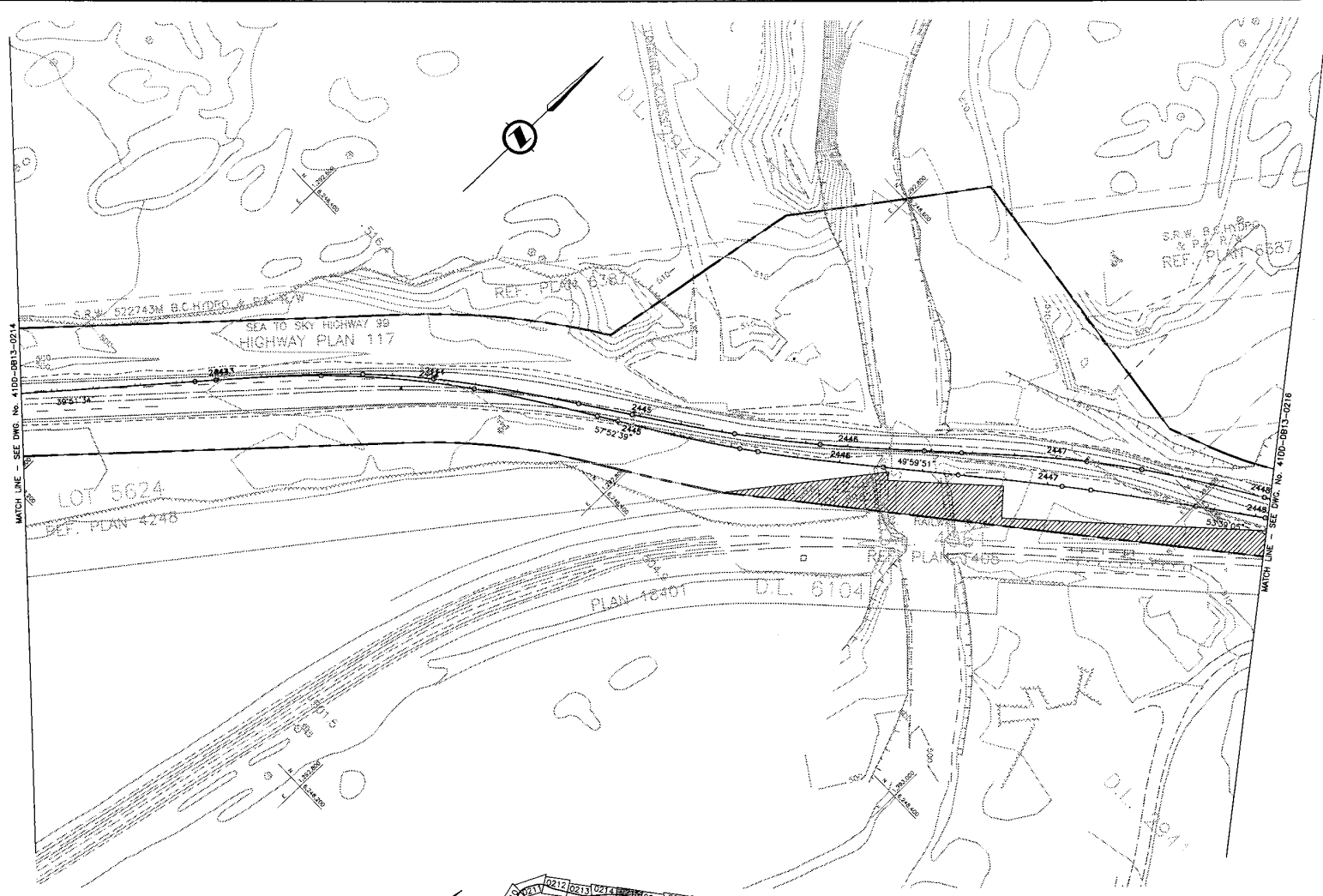
SNC-LAVALLIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		BRITISH COLUMBIA 9001	
DESIGNED	J. THOMPSON	DATE	2004-02-23
DRAWN	M. JERRY	DATE	2004-03-09
CHECKED	S. MATHESON	DATE	2004-04-23
APPROVED	J. SHAWA	DATE	2004-04-28
Rev	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-11	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO -- HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 243+605.165 TO STA 244+205.426

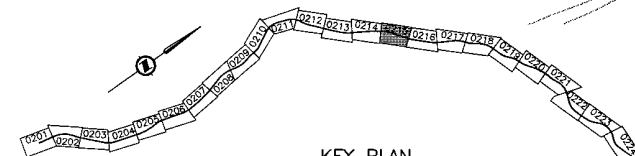
SENIOR DESIGN ENGINEER: _____ DATE: _____

FILE NO. PROJECT NO. RES. DRAWING NO.
 016315-EN10-S 09901-7005 1 41DD-DB13-0214 | 0



MATCH LINE - SEE DWG. No. 41DD-DB13-0214

MATCH LINE - SEE DWG. No. 41DD-DB13-0216



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

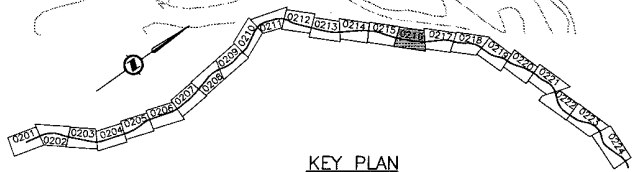
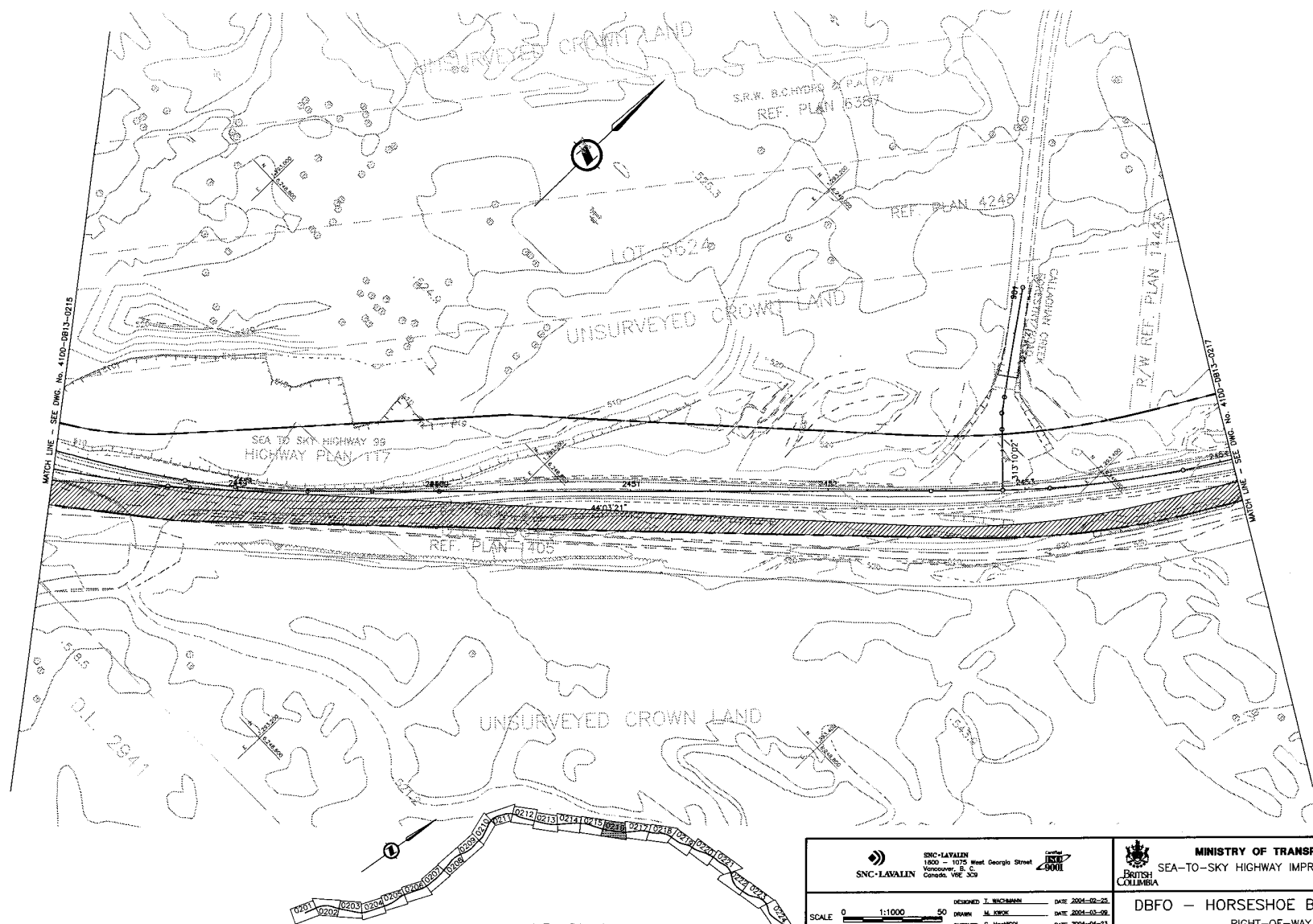
NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-0214	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada V6E 3C9		 INTERRAIL	
DESIGNED	J. BENDMANN	DATE	2004-02-25
DRAWN	M. KERRY	DATE	2004-02-25
CHECKED	S. BENDROOK	DATE	2004-04-23
APPROVED	J. SHARPE	DATE	2004-05-28
Rev.	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 244+205.426 TO STA 244+806.009	
SENIOR DESIGN ENGINEER	DATE
FILE NO.	PROJECT NO.
016315-EN10-S	09901-7005
REV.	DRAWING NO.
1	41DD-DB13-0215

DATE: 2004/05/28 7:31pm
 USER: jsharpe
 FILE: 41DD-DB13-0214.dwg
 PLOT: 41DD-DB13-0214.dwg
 PLOTTER: HP DesignJet 500
 PLOTTING: 2004/05/28 7:31pm
 PLOTTER: HP DesignJet 500



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	#100-P013-30-16	URBAN STEEDS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

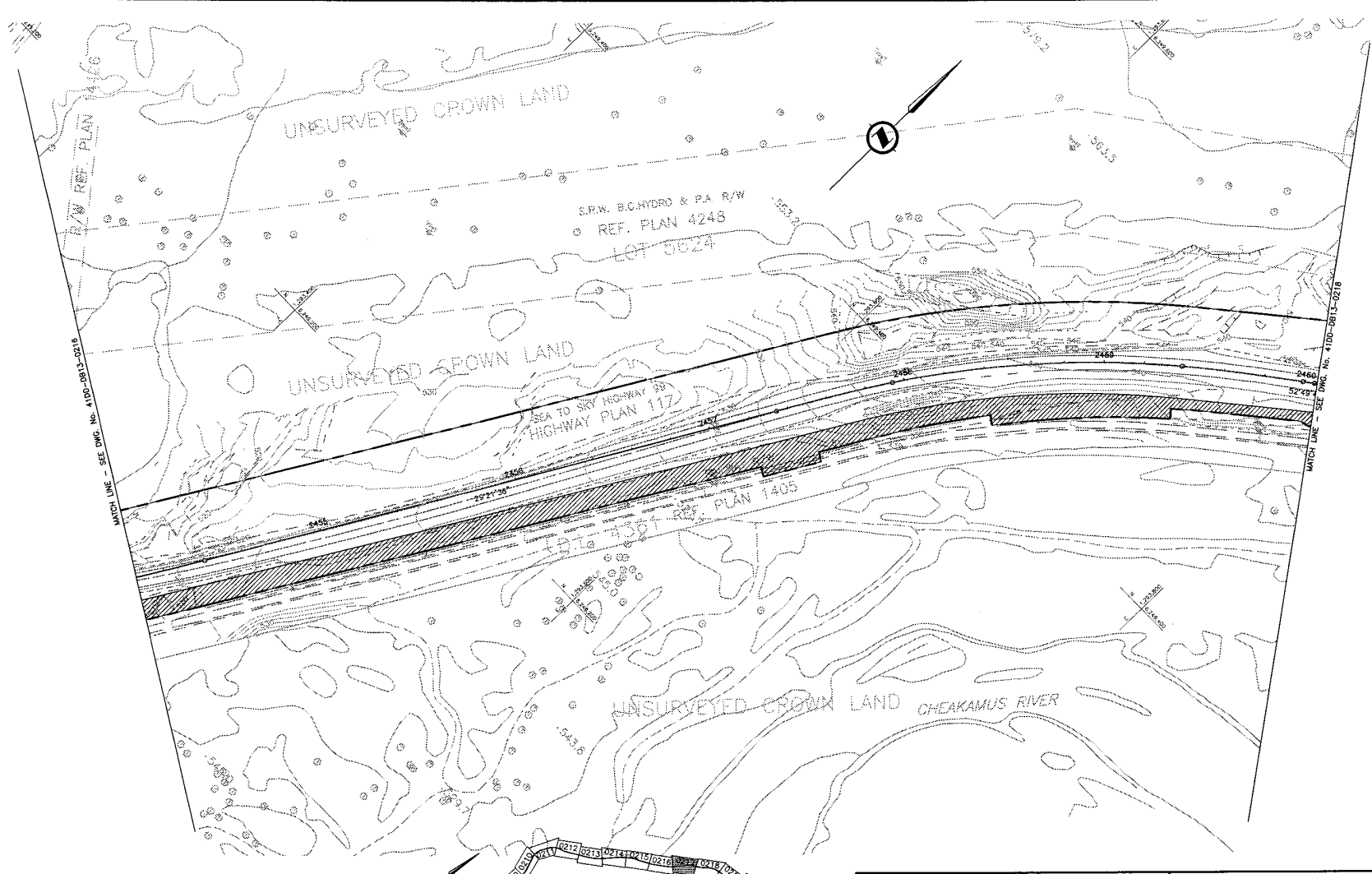
 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 1900	
SCALE 0 1:1000 50		DESIGNED: J. MICHAMANI DATE: 2004-02-23 DRAWN: M. JORDY DATE: 2004-03-09 CHECKED: S. MICHAMANI DATE: 2005-04-24 APPROVED: J. MICHAMANI DATE: 2005-04-28	
Rev	Date	Description	Signature
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
0	04-08-17	ISSUED FOR TENDER	ARW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 244+806.009 TO STA 245+405.964

SENIOR DESIGN ENGINEER _____ DATE _____	
FILE NO. 016315-EN10-S	PRODUCT NO. 09901-7005
RES. 1	DRAWING NO. 41DD-DB13-0216 0

41DD-DB13-0216.dwg
 2005-04-28
 J. Michamani
 1:1000
 04-08-17
 M. Jordy
 04-04-30
 S. Michamani
 2005-04-24
 J. Michamani
 2004-02-23



MATCH LINE - SEE DWG No. 410D-DB13-0213

MATCH LINE - SEE DWG No. 410D-DB13-0218



KEY PLAN

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- RIGHT-OF-WAY ACQUISITION

NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 410D-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM AND 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description
	410D-DB13-20-17	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

REFERENCE DRAWINGS

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B.C.
 Canada V6E 3C9

DESIGNED: J. BUCHANAN DATE: 2004-09-22
 DRAWN: M. SHARP DATE: 2004-02-09
 CHECKED: S. BROWN DATE: 2004-04-24
 APPROVED: J. SIGHEA DATE: 2004-06-28

Rev	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	ATW
D	04-06-17	ISSUED FOR TENDER	ATW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 245+405.964 TO STA 246+005.964

SENIOR DESIGN ENGINEER _____ DATE _____
 FILE NO. PROJECT NO. REV. DRAWING NO.
 016315-EN10-S 09901-7005 1 410D-DB13-0217 0

REVISIONS



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM MAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM MAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

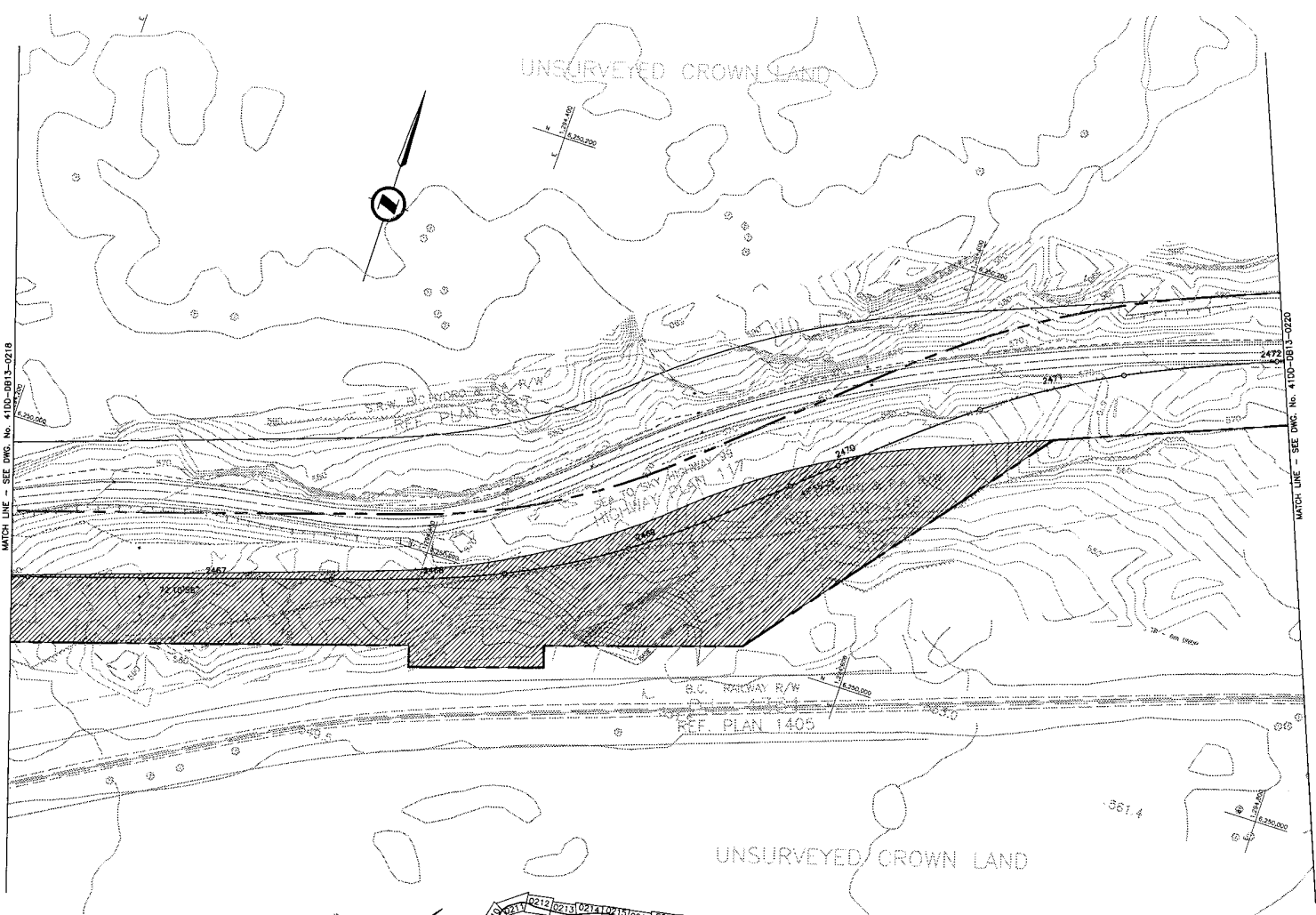
LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-18	DRB SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

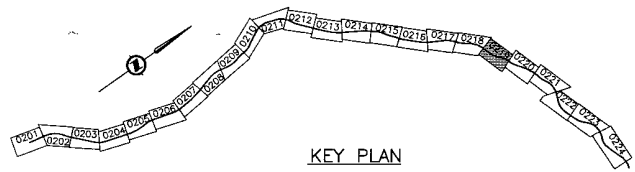
 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B.C. Canada, V6E 3C9		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DESIGNED: J. WISCHMANN DATE: 2004-02-25 DRAWN: M. FROCK DATE: 2004-02-25 CHECKED: S. HARRISON DATE: 2004-04-23 APPROVED: J. THAYER DATE: 2004-04-28		DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 246+005.964 TO STA 246+605.964	
SCALE 0 1:1000 50	REVISIONS Rev. Date Description Signature PA 04-04-30 ISSUED FOR REQUEST FOR PROPOSAL ANW D 04-08-17 ISSUED FOR TENDER ANW	SENIOR DESIGN ENGINEER DATE FILE NO. PROJECT NO. RES. DRAWING NO. 016315-EN10-S 09901-7005 1 41DD-DB13-0218 0	

DATE: 2004/04/28 11:21 AM
 USER: jthayer
 FILE: 41DD-DB13-30-18.dwg
 PLOT: 41DD-DB13-30-18.plt
 PLOTTER: HP DesignJet 500



MATCH LINE - SEE DWG. No. 41DD-DB13-0218

MATCH LINE - SEE DWG. No. 41DD-DB13-0220



KEY PLAN

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

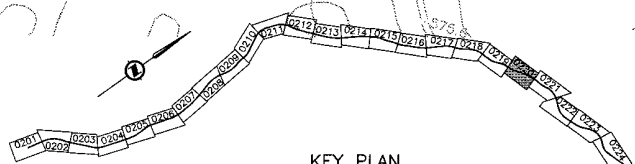
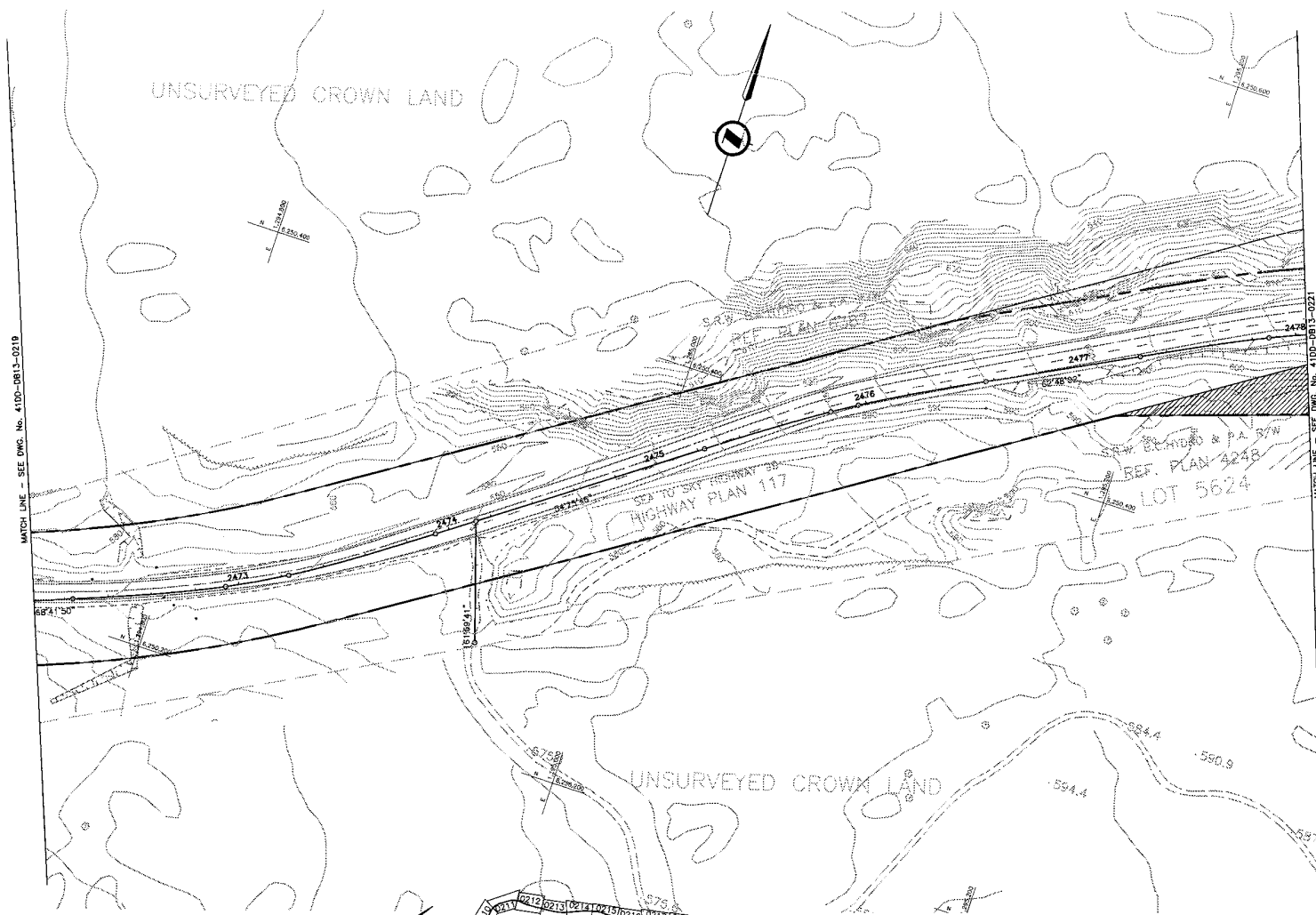
NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30-14	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

DESIGNED J. BECHMANN DATE 2004-04-24 DRAWN M. FROY DATE 2004-04-08 CHECKED S. HUBBARD DATE 2004-04-24 APPROVED J. SCHERER DATE 2004-04-28		DATE 2004-04-28 DATE 2004-04-28 DATE 2004-04-28	
Rev	Date	Description	Signature
PR	04-04-08	ISSUED FOR REQUEST FOR PROPOSAL	AW
Q	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 246+605.964 TO STA 247+205.964			
SENIOR DESIGN ENGINEER		DATE	
FILE NO. 016315-EN10-S	PROJECT NO. 09901-7005	REV. 1	DRAWING NO. 41DD-DB13-0219

DATE: 2004-04-28
 TIME: 10:00 AM
 USER: jbschere
 PLOT: 41DD-DB13-30-14.dwg
 PLOTTER: HP DesignJet 5000



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 4100-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	4100-DB13-30-20	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C9

DESIGNED: T. MACHAMAN DATE: 2004-02-25
 DRAWN: M. JOSE DATE: 2004-03-08
 CHECKED: S. HARRISON DATE: 2004-03-25
 APPROVED: T. ENDAW DATE: 2004-04-29

Rev.	Date	Description	Signature
PA	04-04-05	ISSUED FOR REQUEST FOR PROPOSAL	A/W
B	04-08-17	ISSUED FOR TENDER	A/W

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 247+205.964 TO STA 247+804.971

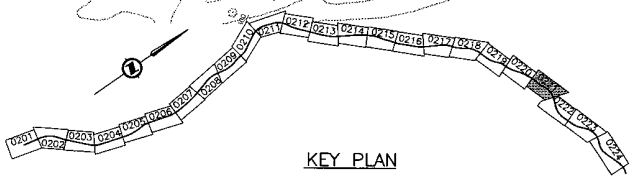
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FILE No.	PROJECT No.
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REV.	DRAWING No.
1	4100-DB13-0220

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 2004-04-29 10:00:00



MATCH LINE - SEE DWG. No. 41DD-DB13-0220

MATCH LINE - SEE DWG. No. 41DD-DB13-0222



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 459m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

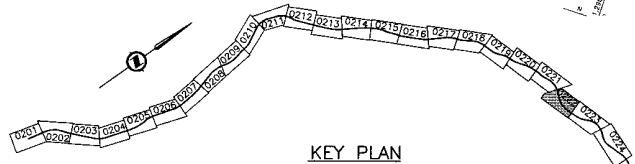
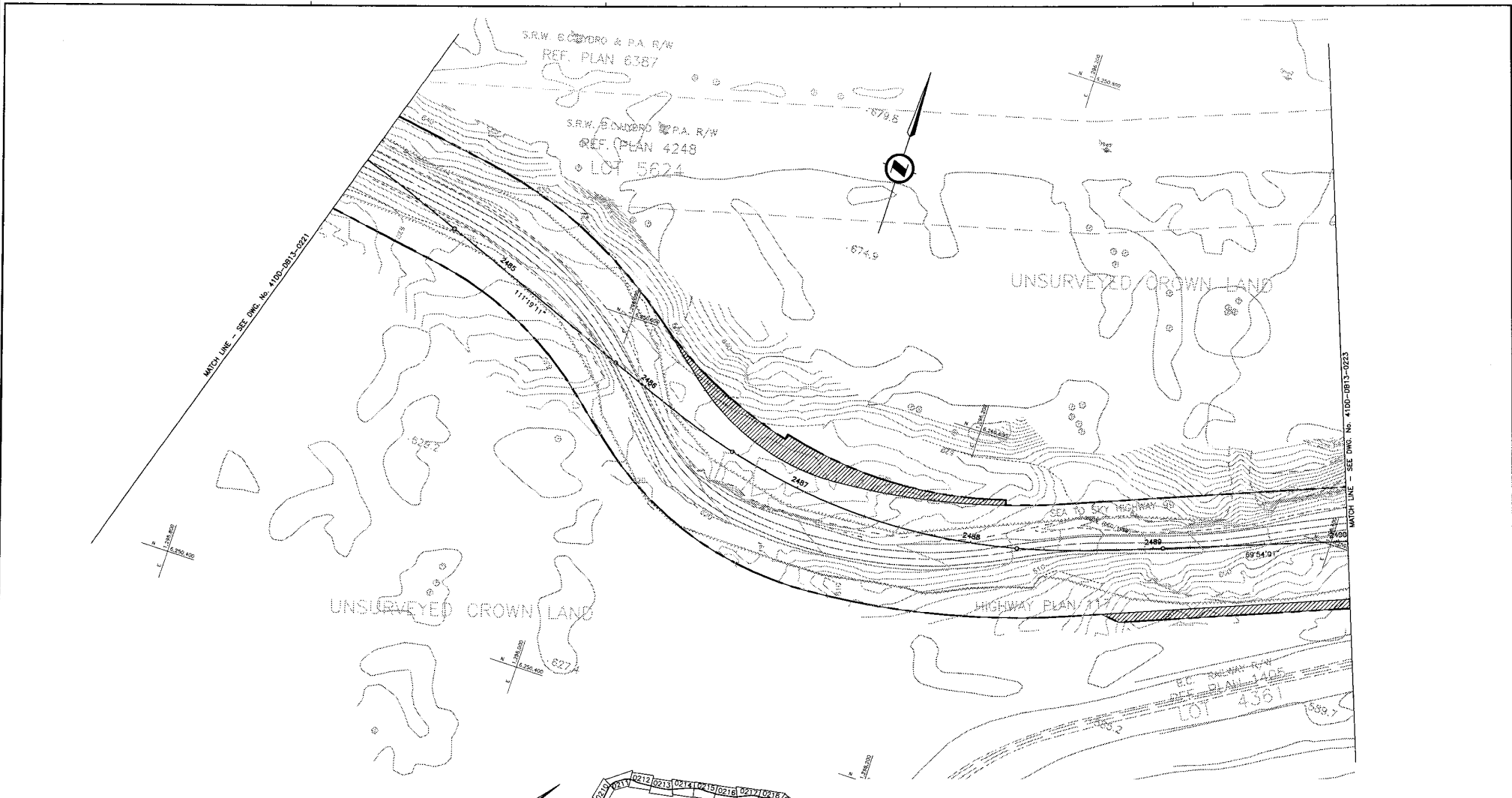
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-30	URISH SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 SNC-LAVALIN	
DESIGNED: T. REICHMANN DATE: 2004-02-25		CHECKED: J. SHARMA DATE: 2004-04-28	
DRAWN: M. KROCK DATE: 2004-03-08		APPROVED: J. SHARMA DATE: 2004-04-28	
Rev.	Date	Description	Signature
PA	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	ARW
C	04-08-17	ISSUED FOR TENDER	ARW

 SNC-LAVALIN		 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT	
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 247+804.971 TO STA 248+404.861			
SENIOR DESIGN ENGINEER		DATE	
FILE No. 016315-EN10-S	PROJECT No. 09901-7005	REV. 1	DRAWING No. 41DD-DB13-0221

DATE: 2004-03-08 1:28pm
 DWG: 41DD-DB13-30.dwg
 USER: J. SHARMA
 PLOT: 41DD-DB13-30.dwg
 PLOTTER: HP DesignJet 500
 PLOTTING: 2004-04-28 10:00am
 PLOTTER: HP DesignJet 500
 PLOTTING: 2004-04-28 10:00am



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 469m. THE SYSTEM IS CALLED THE 'STS 2002 PROJECT GRID COORDINATE SYSTEM'.
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

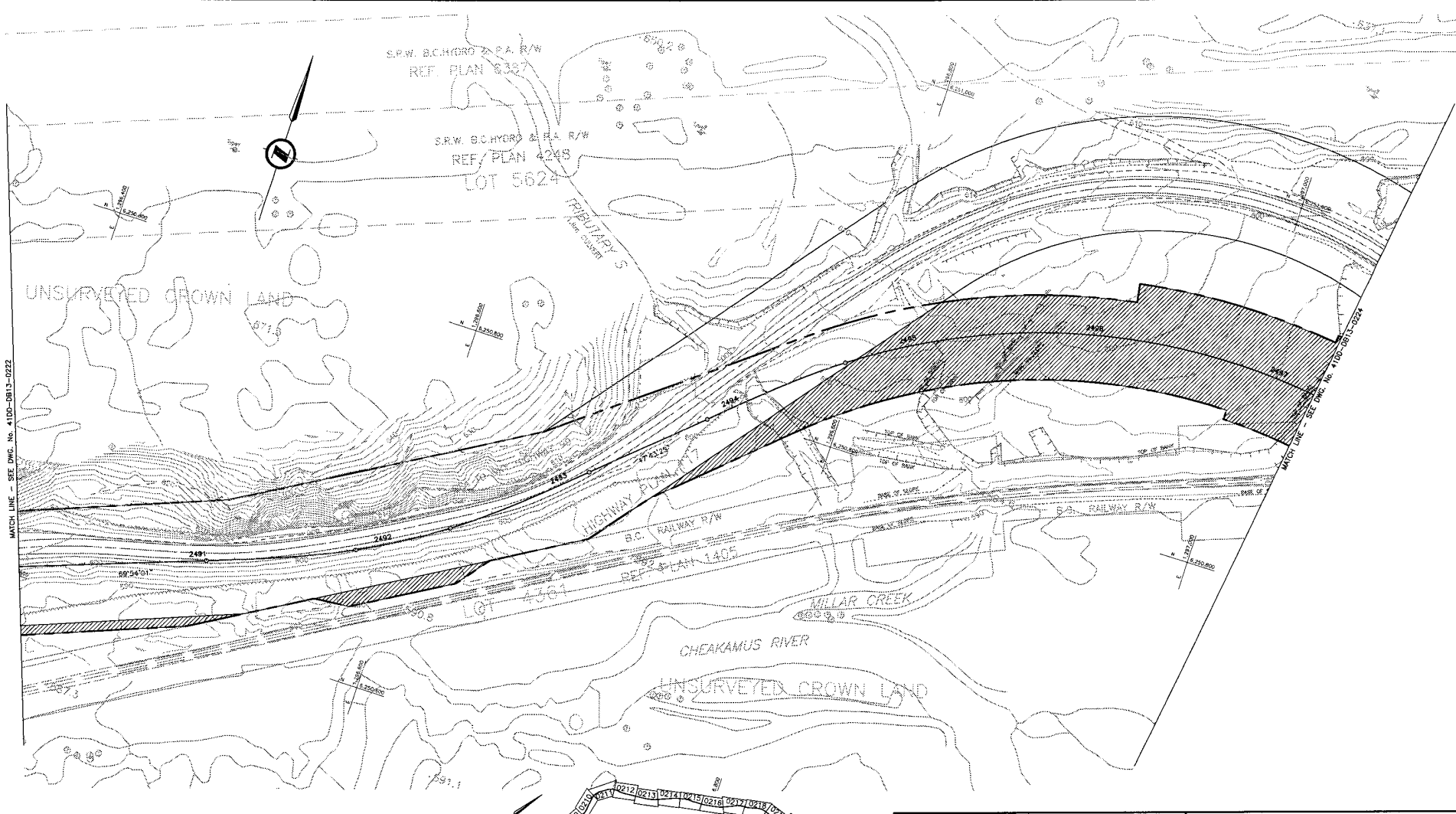
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PD13-30-22	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada V6C 3C9		 L&L 9001	
DESIGNED	J. BRUCHMANN	DATE	2004-02-25
DRAWN	M. JONES	DATE	2005-03-09
CHECKED	S. HUBBARD	DATE	2006-04-24
APPROVED	J. TRASKA	DATE	2006-04-28
Rev.	Date	Description	Signature
PA	04-04-06	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

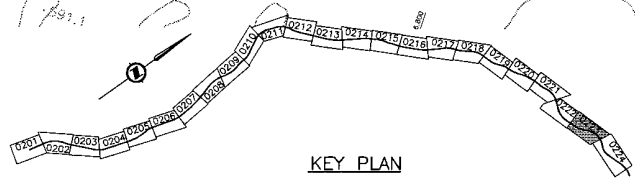
 MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT		 DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 248+404.861 TO STA 249+004.861	

DATE: 2006/04/09 13:27:30
 FILE: C:\Users\jbruchmann\Desktop\41DD-DB13-0222\41DD-DB13-0222.dwg
 PLOT: 41DD-DB13-0222.dwg
 PLOT DATE: 2006/04/09 13:27:30
 PLOT FILE: C:\Users\jbruchmann\Desktop\41DD-DB13-0222\41DD-DB13-0222.dwg



MATCH LINE - SEE DWG. No. 41DD-DB13-0222

MATCH LINE - SEE DWG. No. 7100-DB13-0224



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E.
 ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- ▨ RIGHT-OF-WAY ACQUISITION

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-PD15-30-23	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

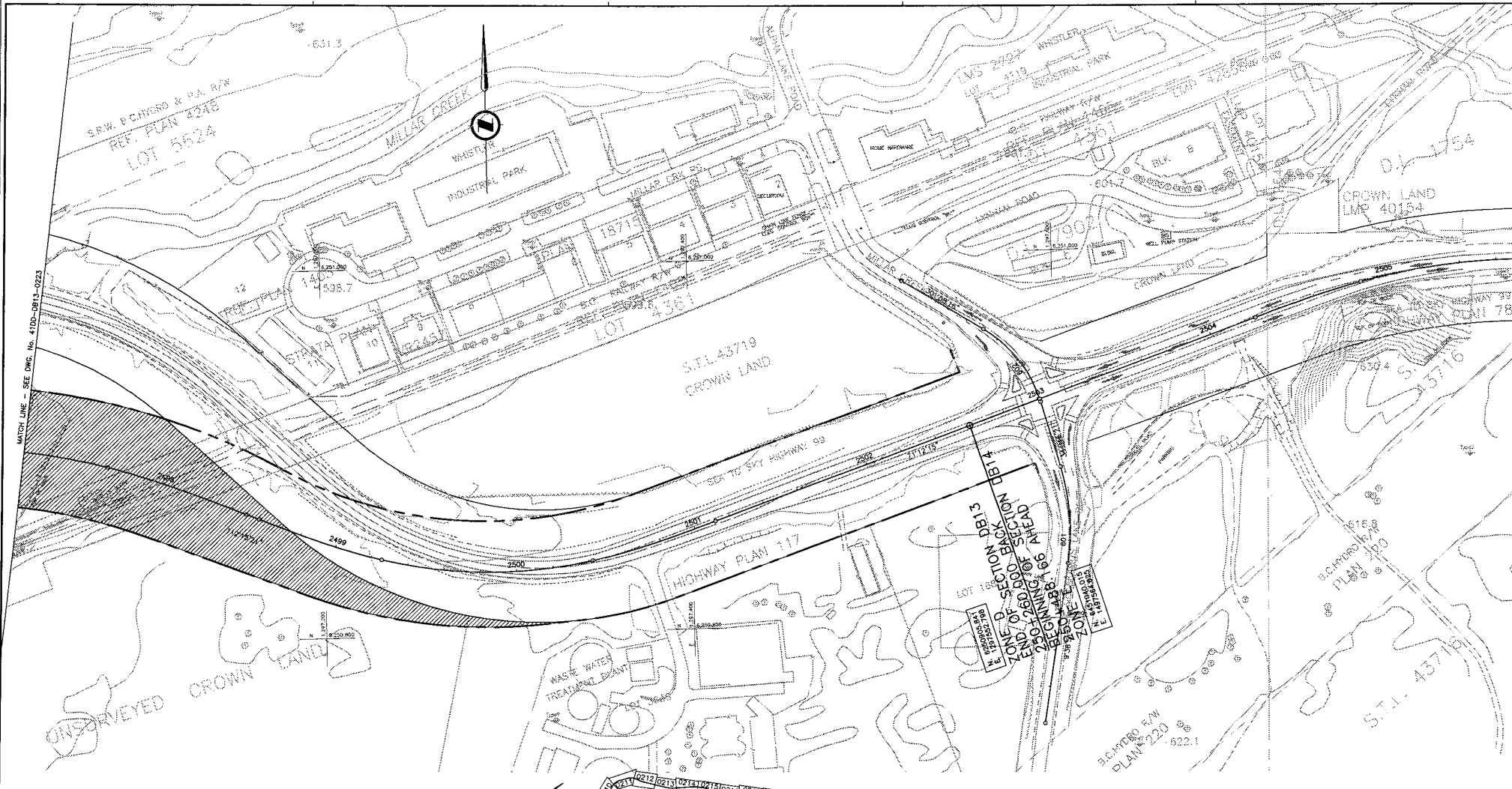
REFERENCE DRAWINGS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 1900	
DESIGNED	T. MICHAMANI	DATE	2004-02-23
DRAWN	M. ZEPER	DATE	2004-03-09
CHECKED	S. HERRERA	DATE	2004-04-24
APPROVED	J. BIGNARD	DATE	2004-04-28
Rev.	Date	Description	Signature
PK	04-04-30	ISSUED FOR REQUEST FOR PROPOSAL	AW
0	04-08-17	ISSUED FOR TENDER	AW

SCALE 0 1:1000 50

REVISIONS

 SNC-LAVALIN 1800 - 1075 West Georgia Street Vancouver, B. C. Canada, V6E 3C9		 BRITISH COLUMBIA	
MINISTRY OF TRANSPORTATION SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT			
DBFO - HORSESHOE BAY TO WHISTLER RIGHT-OF-WAY PLAN SECTION DB13 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION STA 249+004.861 TO STA 249+721.650			
SENIOR DESIGN ENGINEER		DATE	
FILE NO.	PROJECT No.	REV.	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0223 0



NOTES:
 FOR ADDITIONAL GENERAL NOTES SEE DRAWING 41DD-DB00-0005.
 THE COORDINATES FOR THE SEA-TO-SKY HIGHWAY IN ZONE 'D' ARE BASED ON A LOCAL GROUND SYSTEM ON AN ELEVATION DATUM OF 489m. THE SYSTEM IS CALLED THE "STS 2002 PROJECT GRID COORDINATE SYSTEM".
 TO CONVERT FROM UTM NAD 83 TO THE STS 2002 PROJECT GRID COORDINATE SYSTEM IN ZONE 'D', MULTIPLY THE UTM NAD 83 COORDINATE BY THE COMBINED SCALE FACTOR OF 1.000476313 THEN ADD 700,000m N AND 800,000m E. ELEVATIONS ARE GEODETIC MEAN SEA LEVEL BASED ON FEDERAL/PROVINCIAL BENCHMARKS.

LEGEND

	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	RIGHT-OF-WAY ACQUISITION

KEY PLAN

PROFESSIONAL SEAL	DWG. No.	Description
	41DD-DB13-24	URBAN SYSTEMS - FOR RIGHT-OF-WAY ACQUISITION - Rev. A

SNC-LAVALIN
 1800 - 1075 West Georgia Street
 Vancouver, B. C.
 Canada V6E 3C9

DESIGNED: I. WISCHMANN
 DRAWN: M. FROK
 CHECKED: S. MURPHY
 APPROVED: J. SIKORA

DATE: 2004-02-25
 DATE: 2004-03-09
 DATE: 2004-06-23
 DATE: 2004-08-28

Rev	Date	Description	Signature
PA	04-04-03	ISSUED FOR REQUEST FOR PROPOSAL	AW
D	04-08-17	ISSUED FOR TENDER	AW

MINISTRY OF TRANSPORTATION
 SEA-TO-SKY HIGHWAY IMPROVEMENT PROJECT

DBFO - HORSESHOE BAY TO WHISTLER
 RIGHT-OF-WAY PLAN
 SECTION DB13
 NORTH GARIBALDI CDZ TO FUNCTION JUNCTION
 STA 249+721.650 TO STA 250+260.000

SENIOR DESIGN ENGINEER	PROJECT No.	REV.	DATE	DRAWING No.
016315-EN10-S	09901-7005	1	41DD-DB13-0224	0

DATE: 2004/08/28 7:33am
 USER: jstewart
 FILE: 41DD-DB13-24.dwg
 PLOT: 41DD-DB13-24.dwg
 PLOTTER: HP DesignJet 500
 PLOTTING: 10/10/04 10:10:00 AM
 PLOTTER: HP DesignJet 500
 PLOTTING: 10/10/04 10:10:00 AM