BRITISH COLUMBIA | Ministry of Transportation and Infrastructure

The FRONTPG block contains the MOTLOGO block and the three title text objects below. Insert at the same scale and insertion point as the FRAME block and explode.

The FRONTPG_COLOR block is identical except it contains the MOTLOGO_COLOR block with the blue and gold colour scheme.

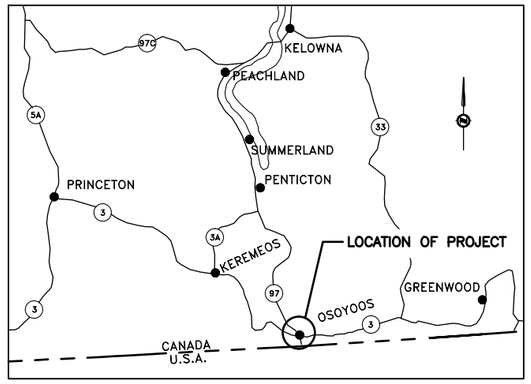
PROJECT No. 08331 (ARIAL - 14 mm)

CASSIAR CONNECTOR PROJECT (ARIAL - 24 mm)

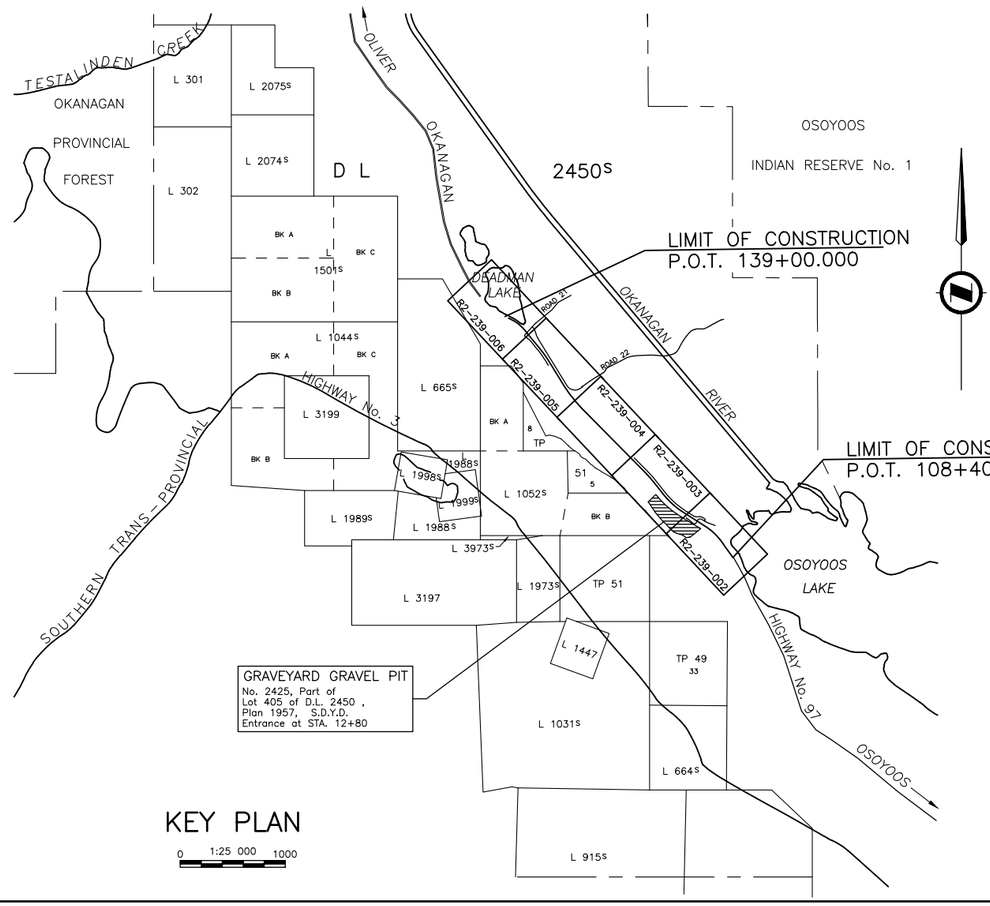
D. NYLAND, CHIEF ENGINEER (STANDARD - 5.0 mm)

SAMPLE FRONT PAGE

Create using blocks FRAME.DWG and either FRONTPG.DWG or FRONTPG_COLOR.DWG



LOCATION MAP
N.T.S.



KEY PLAN
0 1:25 000 1000

BRITISH COLUMBIA | Ministry of Transportation and Infrastructure

PROJECT No. 06842 (7.0 mm)

(10.0 mm)

OKANAGAN HIGHWAY No. 97

(14.0 mm – font "ARIAL" – bold, width factor 1.1)

NORTH END OSOYOOS LAKE - DEADMAN LAKE

STA. P.O.T. 108+40.000 – STA. P.O.T. 139+00.000

3.060 km

LANDMARK KILOMETRE INVENTORY
SEGMENT 1110 (5.0 mm)
km 5.750 to km 8.810

(7.0 mm)

GRADING & PAVING CONTRACT

(5.0 mm)

DRAWING INDEX

(3.5 mm)

R2-239-001	KEY PLAN
R2-239-101 to 106	PLANS
R2-239-201 to 208	PROFILES
R2-239-301	TYPICAL SECTIONS
R2-239-401 to 410	GEOMETRICS & LANING
R2-239-501 to 505	SPOT ELEVATIONS
R2-239-601 to 610	PAVEMENT MARKINGS & SIGNS
R2-239-701 to 703	VOLUME OVERHAUL

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

(5.0 mm)

LEGEND

(2.5 mm)

EXISTING
- D.L. BOUNDARY & SECTION LINES
- QUARTER SECTION LINES
- SUBDIVISION BOUNDARY
- GAZETTED ROAD
- EASEMENT
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- POWER POLE WITH TRANSFORMER
- POWER POLE
- TELEPHONE POLE
- POWER & TELEPHONE POLE
- CATCH BASIN/MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EXISTING MANHOLE

PROPOSED
- CENTRE LINE
- RIGHT OF WAY
- WORKING EASEMENT
- CLEARING & GRUBBING (CL & GR)

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
SOUTHERN INTERIOR REGION (3.0 mm)
HIGHWAY ENGINEERING

KEY PLAN & TITLE (5.0 mm)
OKANAGAN HIGHWAY No. 97
NORTH END OSOYOOS LAKE - DEADMAN LAKE

REGIONAL MANAGER, ENGINEERING
DATE YYYY-MM-DD

REGIONAL DIRECTOR
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
L2-97-85 (3.5 mm)	06842	2	R2-239-001	

LEGEND

(14.0 mm)

(3.5 mm)

AERIAL UTILITIES (EXISTING)

(3.5 mm)

- 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.) PED
- Telephone Booth
- Power / Phone Guy Pole

(3.5 mm)

SURVEY (EXISTING)

(3.5 mm)

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

(3.5 mm)

DETAIL (EXISTING)

(3.5 mm)

- Concrete Pillar
- Guard Post Post
- Piling Piling
- Gate Post GP
- Road Sign
- Well
- Culvert Kink
- Tree
- Decorative Tree
- Delineator Post DP
- Flag Pole FP
- Mail Box MB
- Utility Pole UP
- Commercial Message Sign

(3.5 mm)

DRAINAGE (EXISTING)

(3.5 mm)

- Catch Basin / Manhole
- Culvert Outlet CO
- Culvert Inlet CI
- Drainage Gate
- Manhole (Existing)
- Catch Basin (Existing)

(3.5 mm)

METERS (EXISTING)

(3.5 mm)

- Service Meter SV
- Water Meter WM
- Valve V
- Water Valve WV
- Fire Hydrant FH
- Gas Valve GV

(3.5 mm)

UNDERGROUND (EXISTING)

(3.5 mm)

- Filler Cap FC
- Fuel / Gas Pump FP
- Fuel Tank FT
- Septic Tank ST
- Underground Marker UM
- Breather / Vent Pipe BP

(3.5 mm)

ELECTRICAL (EXISTING)

(3.5 mm)

- Traffic Signal Control Box
- Electrical Outlet
- Junction Box JB
- Kiosk
- Lamp Standard LS
- Traffic Signal
- Traffic Counter

(3.5 mm)

DRAINAGE (PROPOSED)

(3.5 mm)

- Catch Basin
- Manhole
- Asphalt Spillway

(3.5 mm)

LEGAL LINE TYPES (EXISTING)

- International Bdy.
- Section/District Bdy.
- Parcel Boundary
- Quarter Section

(3.5 mm)

	LINETYPES (EXISTING)	LINETYPE (PROPOSED)
Right of Way		
Fence	x x	x TYPE "B" x
Ditch		
Retaining Wall		
TOES		T.O.C. C L B.O.F.

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

CONSULTANT'S LOGO

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)

NORTHERN REGION

HIGHWAY ENGINEERING (3.0 mm)

SCALE

CAD FILENAME CAD FILENAME

DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

LEGEND (5.0 mm)

KEY ROAD - MINER ROAD

HIGHWAY No.105 (3.5 mm)

SENIOR DESIGNER

DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD

QUALITY CONTROL QC BY DATE YYYY-MM-DD

QUALITY ASSURANCE QA BY DATE YYYY-MM-DD

DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
L3-105-275 (3.5 mm)	##### ####	3	NR-069-002	

FIGURE 1220.D SAMPLE PLAN

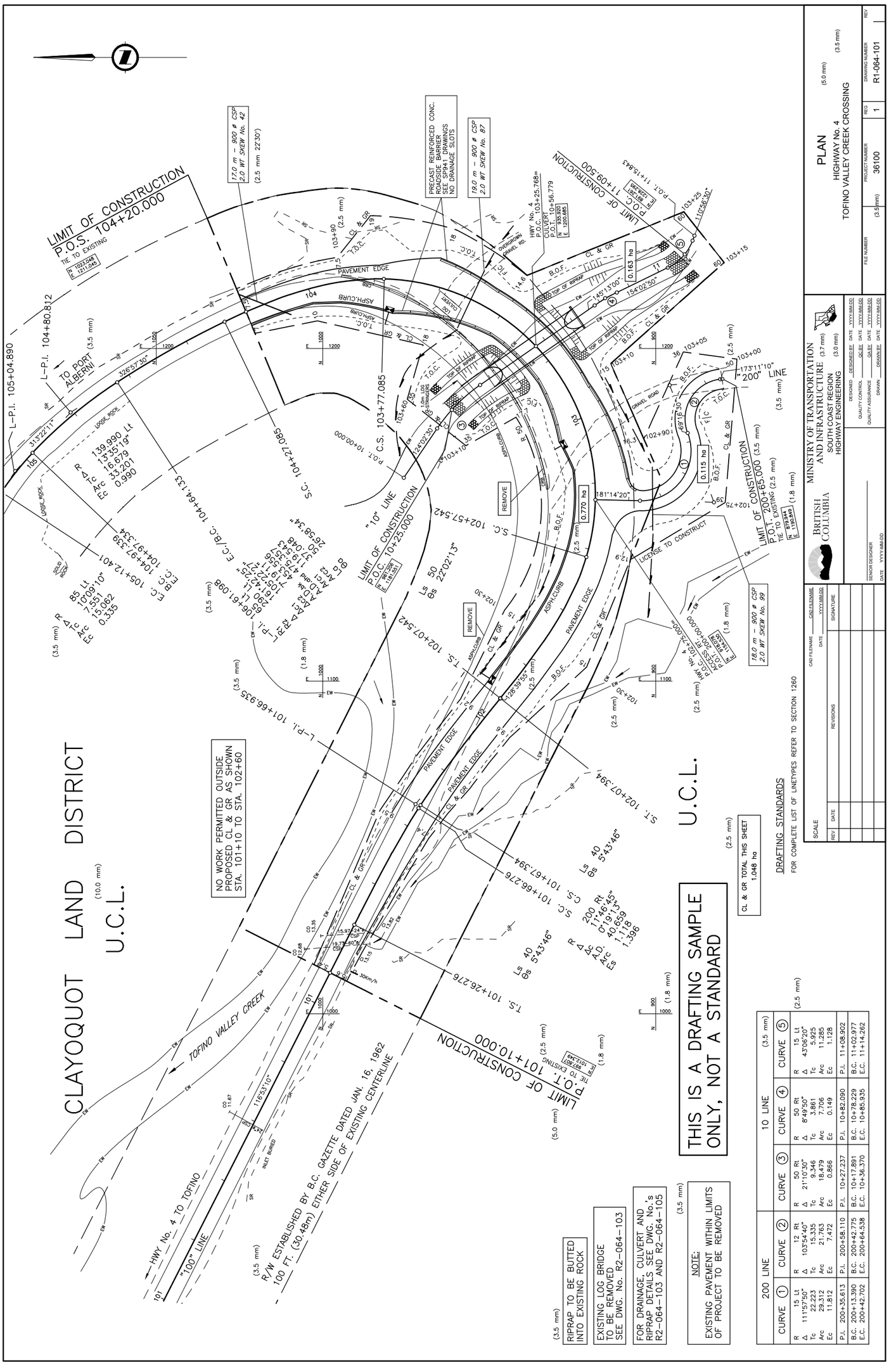
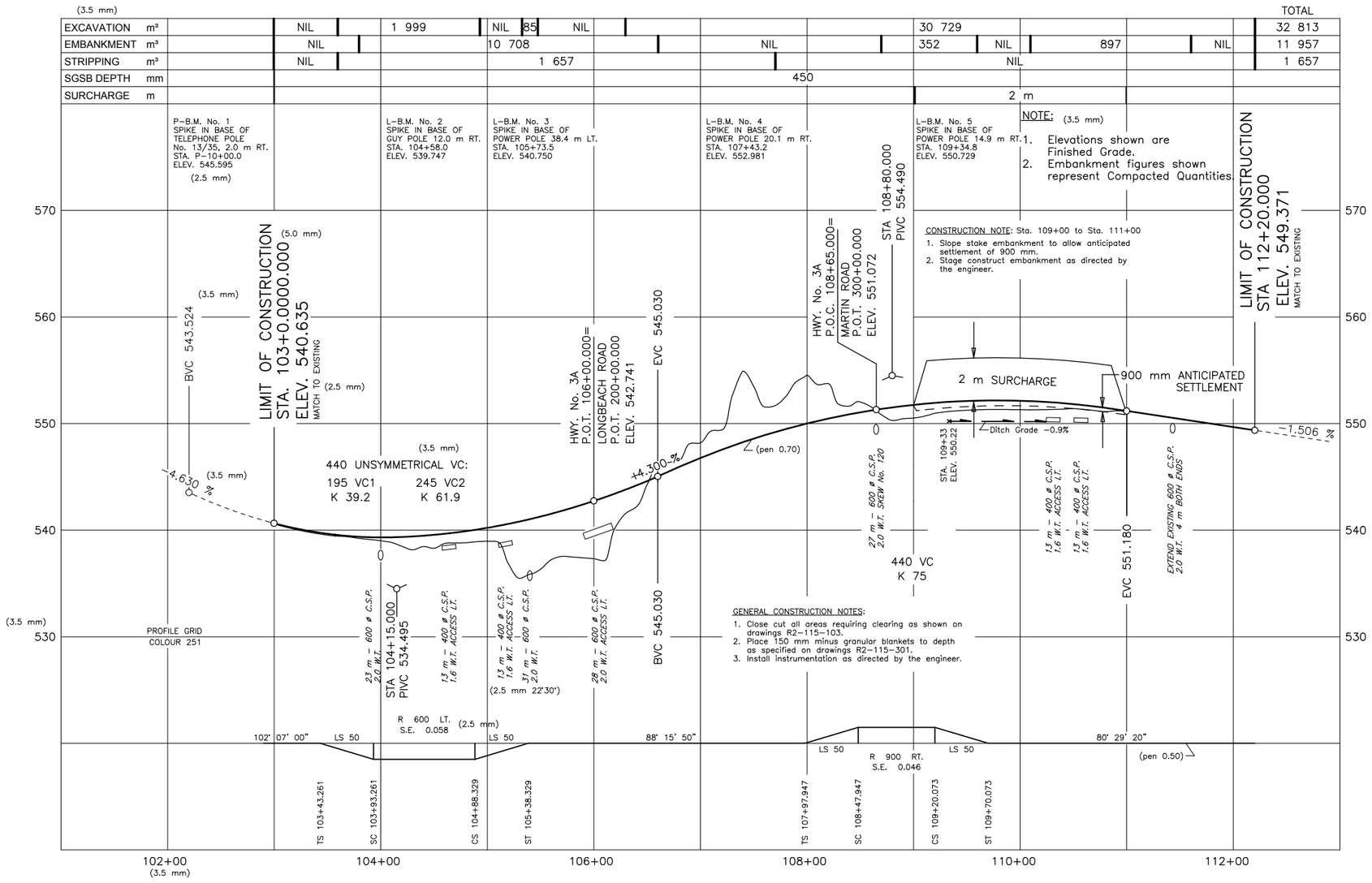


FIGURE 1220.E SAMPLE PROFILE



(5.0 mm)
DESIGN SPEED 90km/h

NOTE: TOP OF PROFILE QUANTITIES ARE PROJECT SPECIFIC AND ARE ADDED OR DELETED AS REQUIRED.

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD.

CONSULTANT'S LOGO

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
SOUTHERN INTERIOR REGION (3.0 mm)
HIGHWAY ENGINEERING

SCALE 0 20 H 1:2000 100m / 0 2 V 1:200 10m
CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

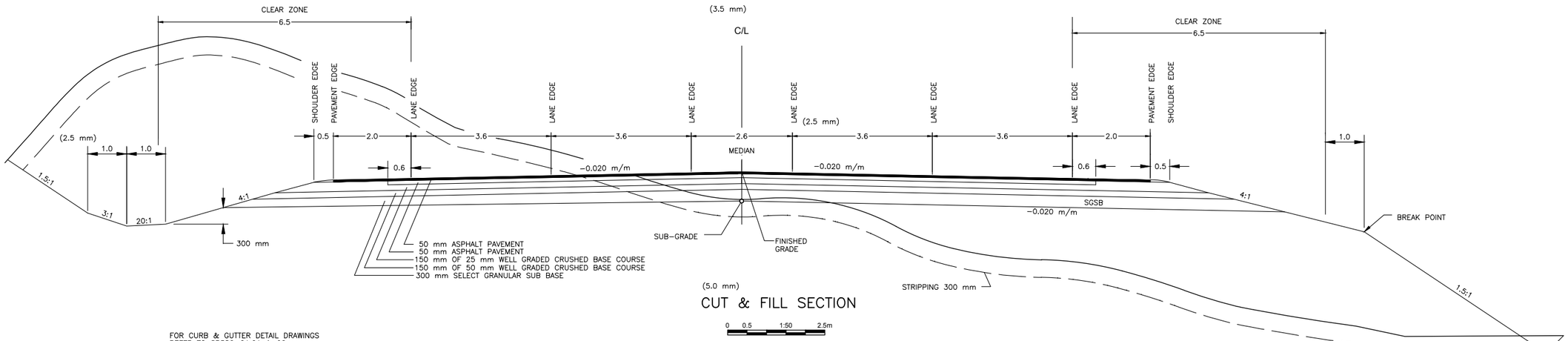
PROFILE (5.0 mm)
CASTLEGAR-NELSON-CRESTON HWY. 3A
FLEGEL'S CORNER SECTION (3.5 mm)
STA 103+00.000 TO STA 112+20.000 (2.5 mm)

SENIOR DESIGNER
DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

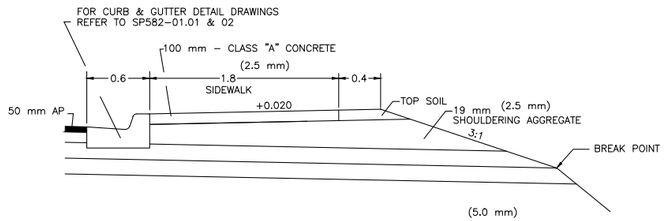
FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
L3-03A-536 (3.5 mm)	01866-0002	2	R2-115-201	

FIGURE 1220.F SAMPLE TYPICAL SECTIONS



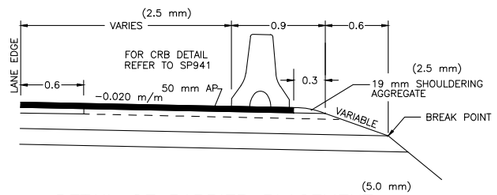
CUT & FILL SECTION

0 0.5 1:50 2.5m



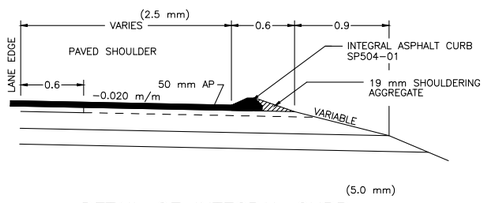
DETAIL OF CURB & GUTTER PLACEMENT

0 1:25 1



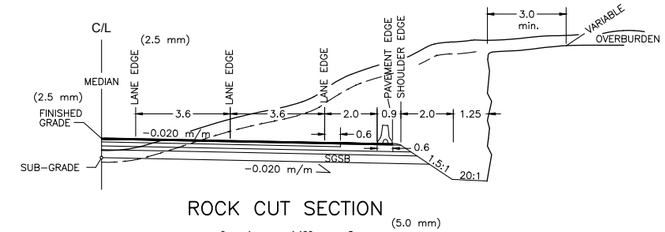
DETAIL OF BARRIER PLACEMENT

0 1:25 1



DETAIL OF INTEGRAL CURB

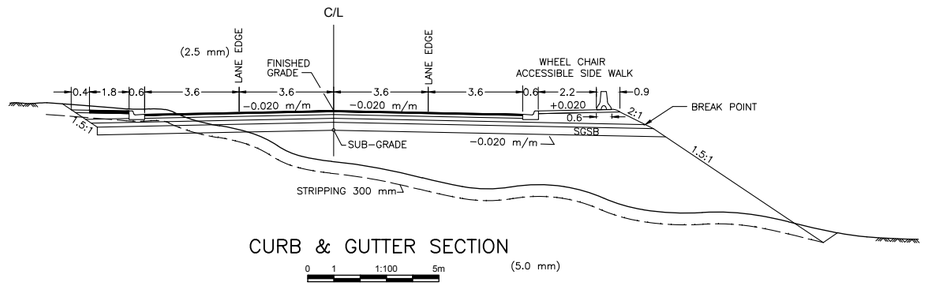
0 1:25 1



ROCK CUT SECTION

0 1 1:100 5m

ALL CROSSFALL VALUES ARE ON TANGENT



CURB & GUTTER SECTION

0 1 1:100 5m

DRAFTING STANDARDS

FOR CURRENT CROSS SECTION STANDARDS REFER TO SECTION 400

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD.

CONSULTANT'S LOGO

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
SOUTHERN INTERIOR REGION (3.0 mm)
HIGHWAY ENGINEERING

SCALE (AS SHOWN)

CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

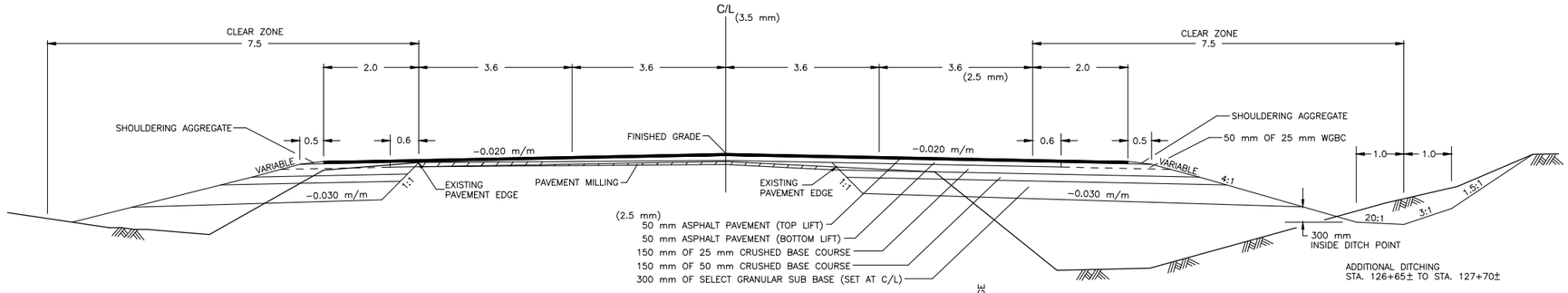
REV	DATE	REVISIONS	SIGNATURE

TYPICAL SECTIONS (5.0 mm)
NAME OF MAJOR HIGHWAY
PROJECT DESCRIPTION (3.5 mm)

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD
SENIOR DESIGNER
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
	(3.5 mm)	2	R2-137-301	

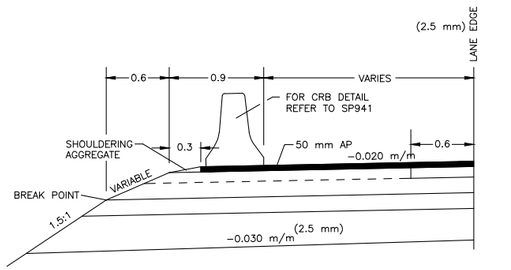
FIGURE 1220.G SAMPLE TYPICAL SECTIONS



FILL SECTION (5.0 mm)

STA. 125+80 TO STA. 129+08 (3.5 mm)

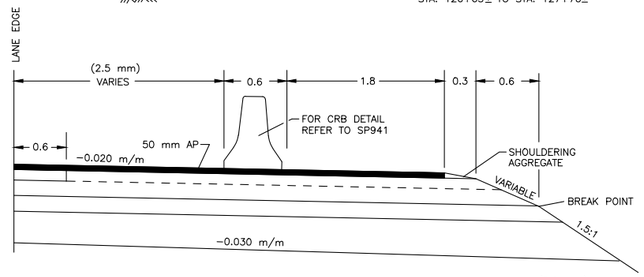
0 0.5 1:50 2.5m



SHOULDER DETAIL WITH ROADSIDE BARRIER (5.0 mm)

0 1:25 1

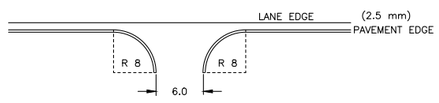
ALL CROSSFALL VALUES ARE ON TANGENT



SHOULDER DETAIL FOR SIDEWALK ALLOWANCE WITH ROADSIDE BARRIER (5.0 mm)

STA. 128+58.5 TO STA. 129+08 RT. SIDE (3.5 mm)

0 1:25 1



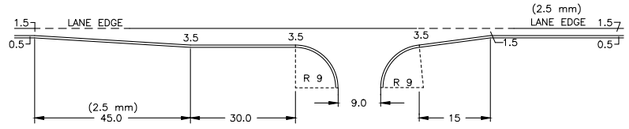
ACCESS TYPE 1A (5.0 mm)

N.T.S.

(2.5 mm)

(3.5 mm)

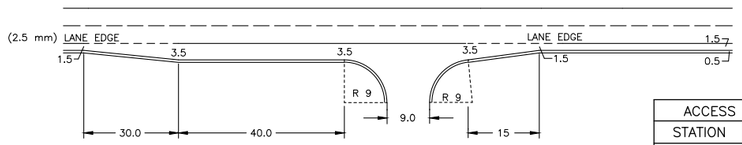
ACCESS TYPE 1A	
STATION	ACCESS No.
26+41 Lt.	1
26+48 Rt.	2
26+93 Rt.	4
35+24 Rt.	8



ACCESS TYPE 1B

N.T.S.

ACCESS TYPE 1B	
STATION	ACCESS No.
27+54 Lt.	3
32+19 Lt.	5
31+40 Rt.	6
36+27 Lt.	7
48+61 Rt.	10
54+40 Lt.	11
59+41 Rt.	12
60+27 Lt.	13



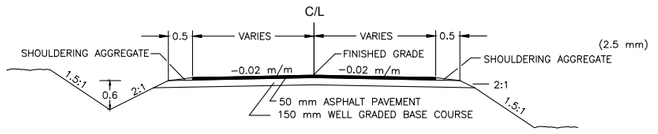
ACCESS TYPE 2B

N.T.S.

(3.5 mm)

ACCESS TYPE 2B	
STATION	ACCESS No.
50+83 Lt.	9

(2.5 mm)



ACCESS 0.M. CUT AND FILL

N.T.S.

DRAFTING STANDARDS

FOR CURRENT CROSS SECTION STANDARDS REFER TO SECTION 400

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD.

CONSULTANT'S LOGO

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)

SOUTHERN INTERIOR REGION (3.0 mm)

HIGHWAY ENGINEERING

SCALE (AS SHOWN)

CAD FILENAME CAD FILENAME

DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

TYPICAL SECTIONS (5.0 mm)

CROWSNEST HWY No. 3

WEST FERNIE BRIDGE - NORTH FERNIE BRIDGE (3.5 mm)

SENIOR DESIGNER

DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD

QUALITY CONTROL QC BY DATE YYYY-MM-DD

QUALITY ASSURANCE QA BY DATE YYYY-MM-DD

DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
	(3.5 mm)	2	R2-128-301	

FIGURE 1220.H SAMPLE GEOMETRICS AND LANING

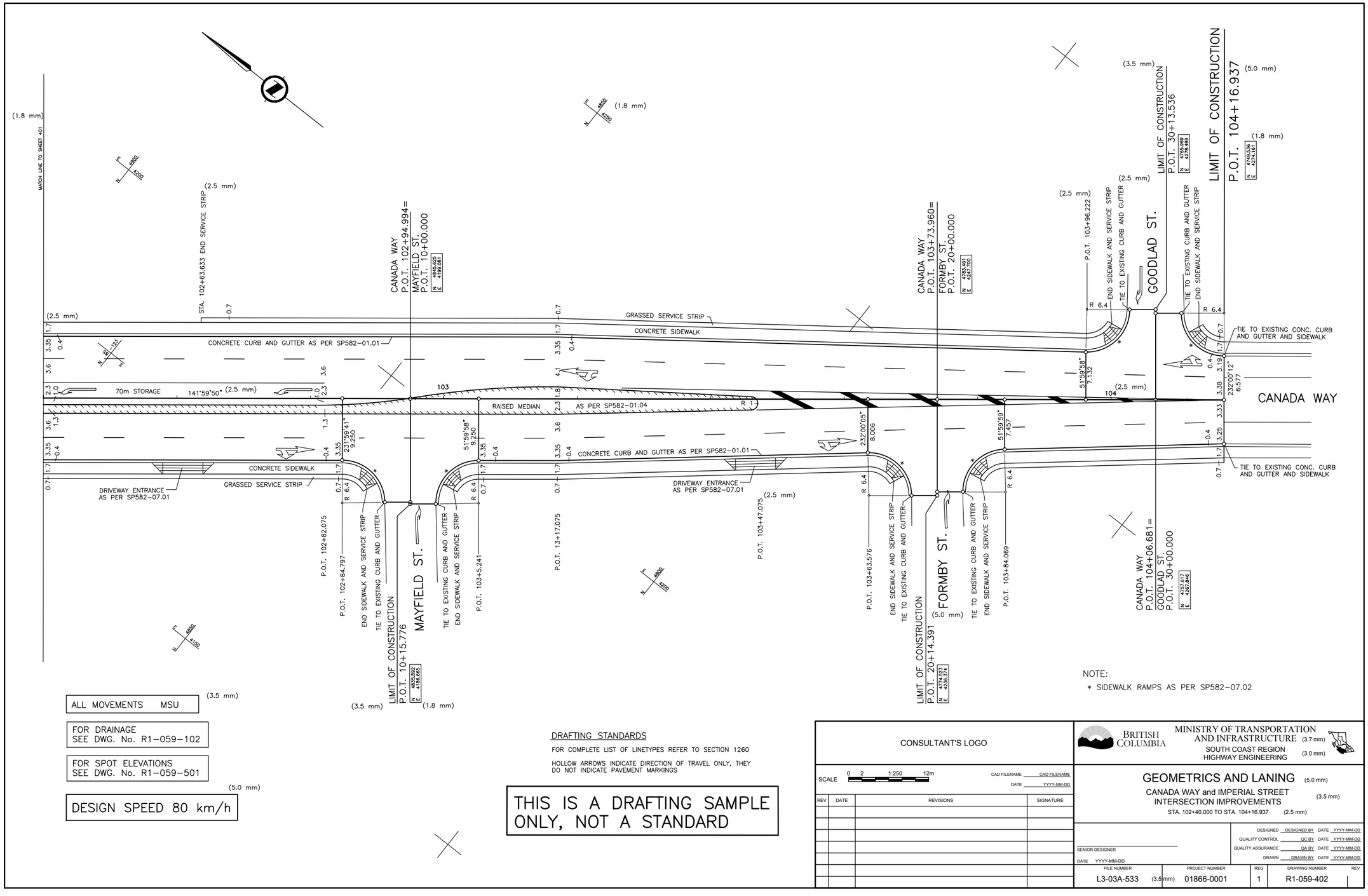
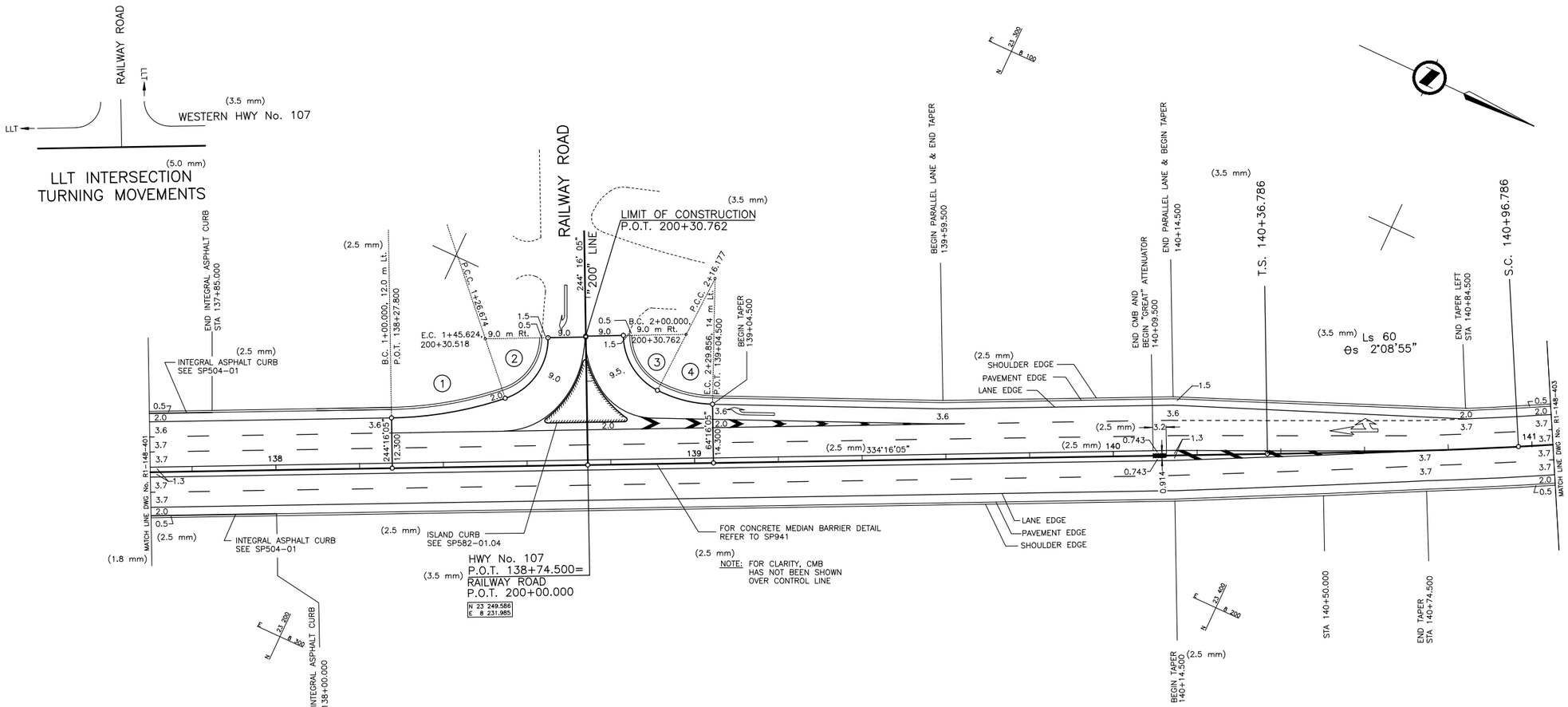


FIGURE 1220.I SAMPLE GEOMETRICS AND LANING



(3.5 mm) INTERSECTION CURVES

	1	2	3	4
(2.5 mm) R	90.0	15.0	15.0	30.0
Δ	17°37'04"	72°22'56"	61°47'30"	26°07'33"
Tc	13.947	10.975	8.976	6.961
Arc	27.674	18.950	16.177	13.679
Ec	1.074	3.586	2.480	0.797
P.I.	1+13.947	1+37.649	2+22.655	2+23.138
N	23214.871	23232.994	23248.235	23264.157
E	8235.395	8218.287	8208.452	8209.141

(3.5 mm) ALL MOVEMENTS LLT

(3.5 mm) FOR DRAINAGE
SEE DWG. No. R1-148-103

FOR SPOT ELEVATION
SEE DWG. No. R1-148-503

(5.0 mm) DESIGN SPEED 80 km/h

DRAFTING STANDARDS

FOR COMPLETE LIST OF LINETYPES REFER TO SECTION 1260

HOLLOW ARROWS INDICATE DIRECTION OF TRAVEL ONLY, THEY DO NOT INDICATE PAVEMENT MARKINGS

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

CONSULTANT'S LOGO

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
SOUTH COAST REGION (3.0 mm)
HIGHWAY ENGINEERING

SCALE 0 2 1:250 12m
CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

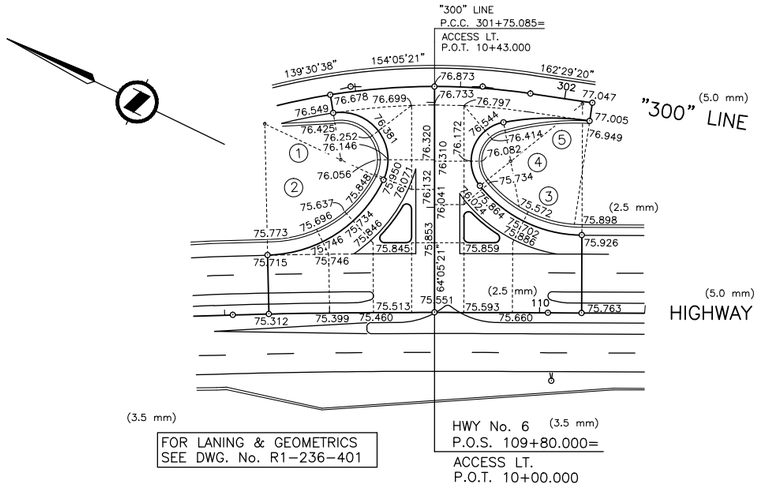
GEOMETRICS AND LANING (5.0 mm)
WESTERN HIGHWAY No.107
CENTENNIAL DRIVE TO JONES CROSSING (3.5 mm)
STA 137+70 TO STA 141+05 (2.5 mm)

SENIOR DESIGNER
DATE YYYY-MM-DD

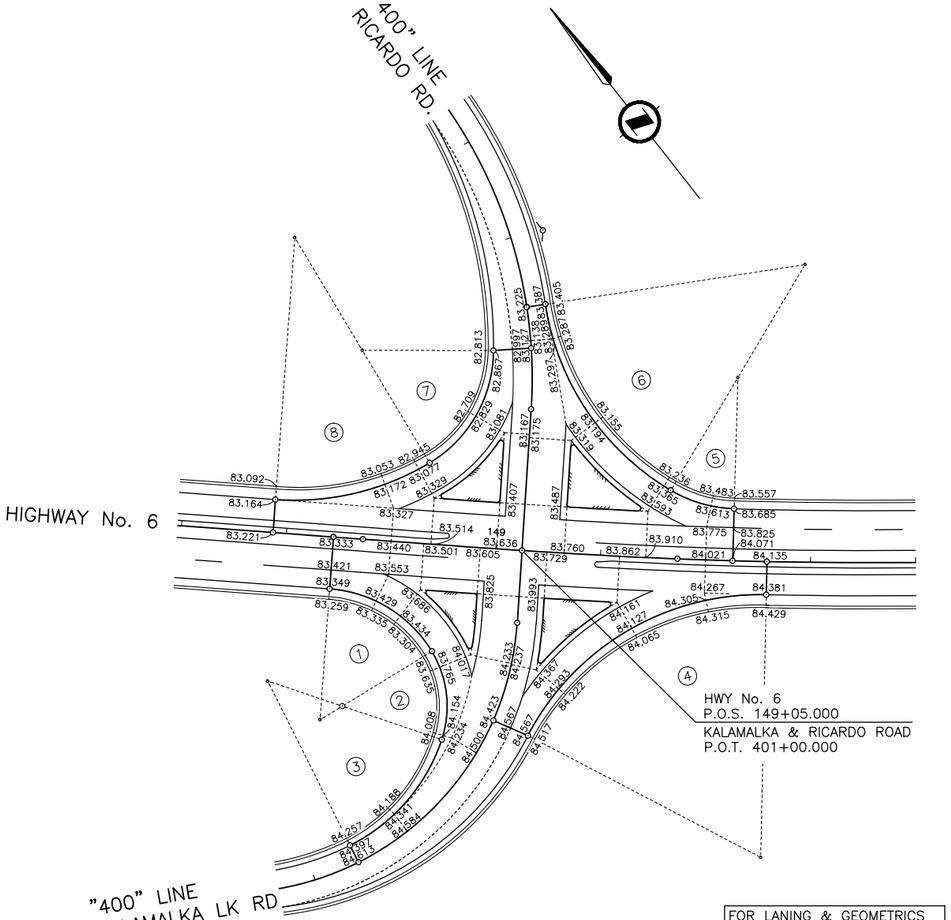
DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG.	DRAWING NUMBER	REV
(3.5 mm)	01853-0001	1	R1-148-402	

FIGURE 1220.J SAMPLE SPOT ELEVATIONS



SPOT ELEVATIONS
STA. P.O.S. 109+80



SPOT ELEVATIONS
STA. P.O.S. 149+05

SPOT ELEVATIONS
STA. P.O.S. 102+05

DRAFTING STANDARDS

FOR COMPLETE LIST OF LINETYPES REFER TO SECTION 1260

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

CONSULTANT'S LOGO

SCALE 0 5 1:500 25m

CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
SOUTH COAST REGION
HIGHWAY ENGINEERING (3.0 mm)

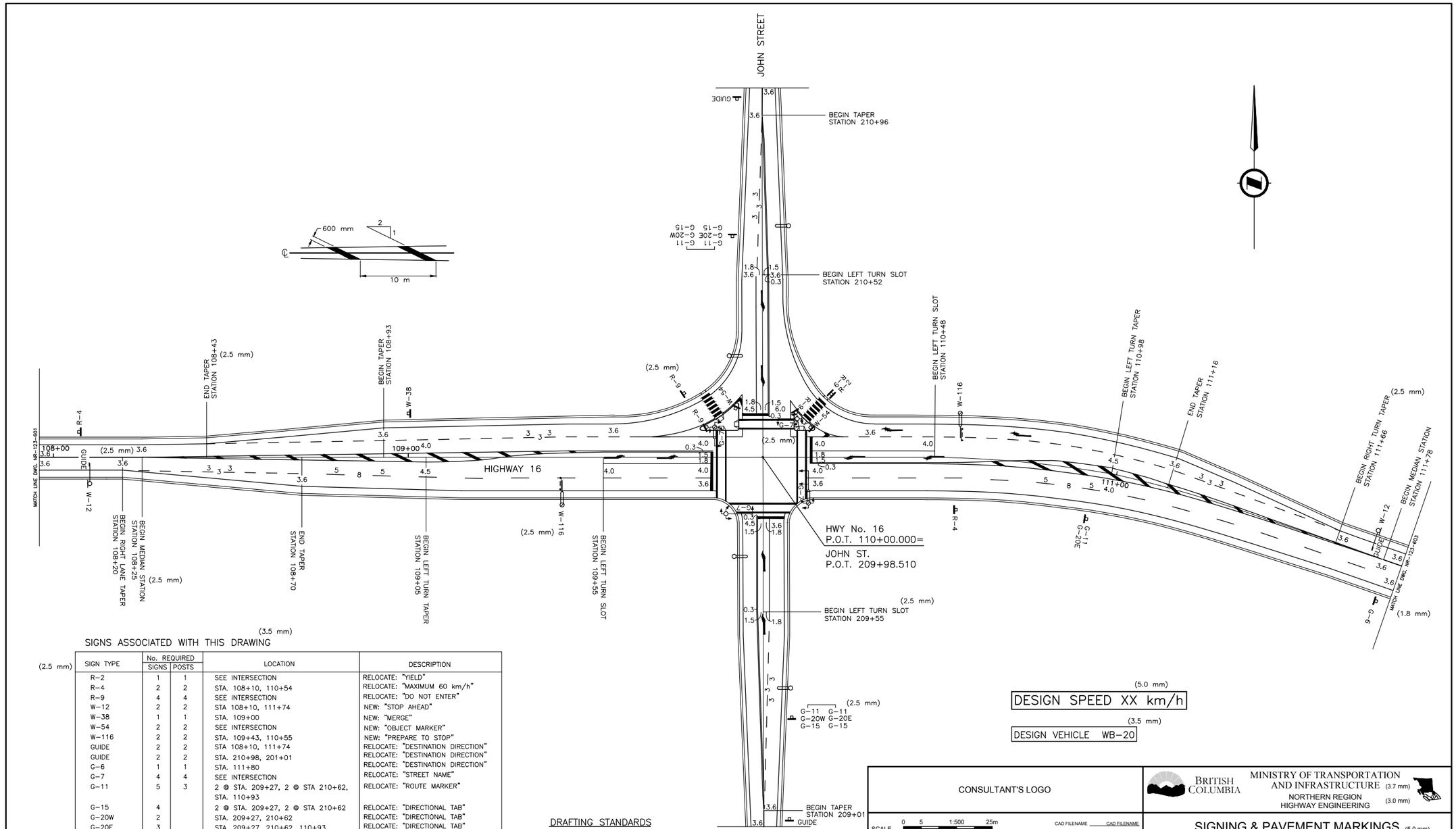
SPOT ELEVATIONS (5.0 mm)
HIGHWAY No. 6
ABERDEEN ROAD TO COLDSTREAM RANCH (3.5 mm)

SENIOR DESIGNER
DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
(3.5 mm)	01853-0001	1	R1-236-501	

FIGURE 1220.K SAMPLE SIGNING AND PAVEMENT MARKINGS



SIGNS ASSOCIATED WITH THIS DRAWING

SIGN TYPE	No. REQUIRED SIGNS	No. REQUIRED POSTS	LOCATION	DESCRIPTION
R–2	1	1	SEE INTERSECTION	RELOCATE: "YIELD"
R–4	2	2	STA. 108+10, 110+54	RELOCATE: "MAXIMUM 60 km/h"
R–9	4	4	SEE INTERSECTION	RELOCATE: "DO NOT ENTER"
W–12	2	2	STA 108+10, 111+74	NEW: "STOP AHEAD"
W–38	1	1	STA. 109+00	NEW: "MERGE"
W–54	2	2	SEE INTERSECTION	NEW: "OBJECT MARKER"
W–116	2	2	STA. 109+43, 110+55	NEW: "PREPARE TO STOP"
GUIDE	2	2	STA 108+10, 111+74	RELOCATE: "DESTINATION DIRECTION"
GUIDE	2	2	STA. 210+98, 201+01	RELOCATE: "DESTINATION DIRECTION"
G–6	1	1	STA. 111+80	RELOCATE: "DESTINATION DIRECTION"
G–7	4	4	SEE INTERSECTION	RELOCATE: "STREET NAME"
G–11	5	3	2 @ STA. 209+27, 2 @ STA 210+62, STA. 110+93	RELOCATE: "ROUTE MARKER"
G–15	4		2 @ STA. 209+27, 2 @ STA 210+62	RELOCATE: "DIRECTIONAL TAB"
G–20W	2		STA. 209+27, 210+62	RELOCATE: "DIRECTIONAL TAB"
G–20E	3		STA. 209+27, 210+62, 110+93	RELOCATE: "DIRECTIONAL TAB"

PAVEMENT MARKINGS LEGEND

- 100 mm – DIRECTIONAL DIVIDING PAINT LINE (YELLOW)
- 100 mm – LANE EDGE PAINT LINE (WHITE)
- 100 mm – CONTINUITY PAINT LINE (WHITE)
- 100 mm – LANE PAINT LINE (WHITE)

DRAFTING STANDARDS

FOR COMPLETE LIST OF SIGNS & LINETYPES REFER TO SECTION 1260

FOR CORRECT ELECTRICAL AND SIGNING SYMBOLS CONTACT TRAFFIC BRANCH

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

CONSULTANT'S LOGO

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING

SCALE 0 5 1:500 25m
CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

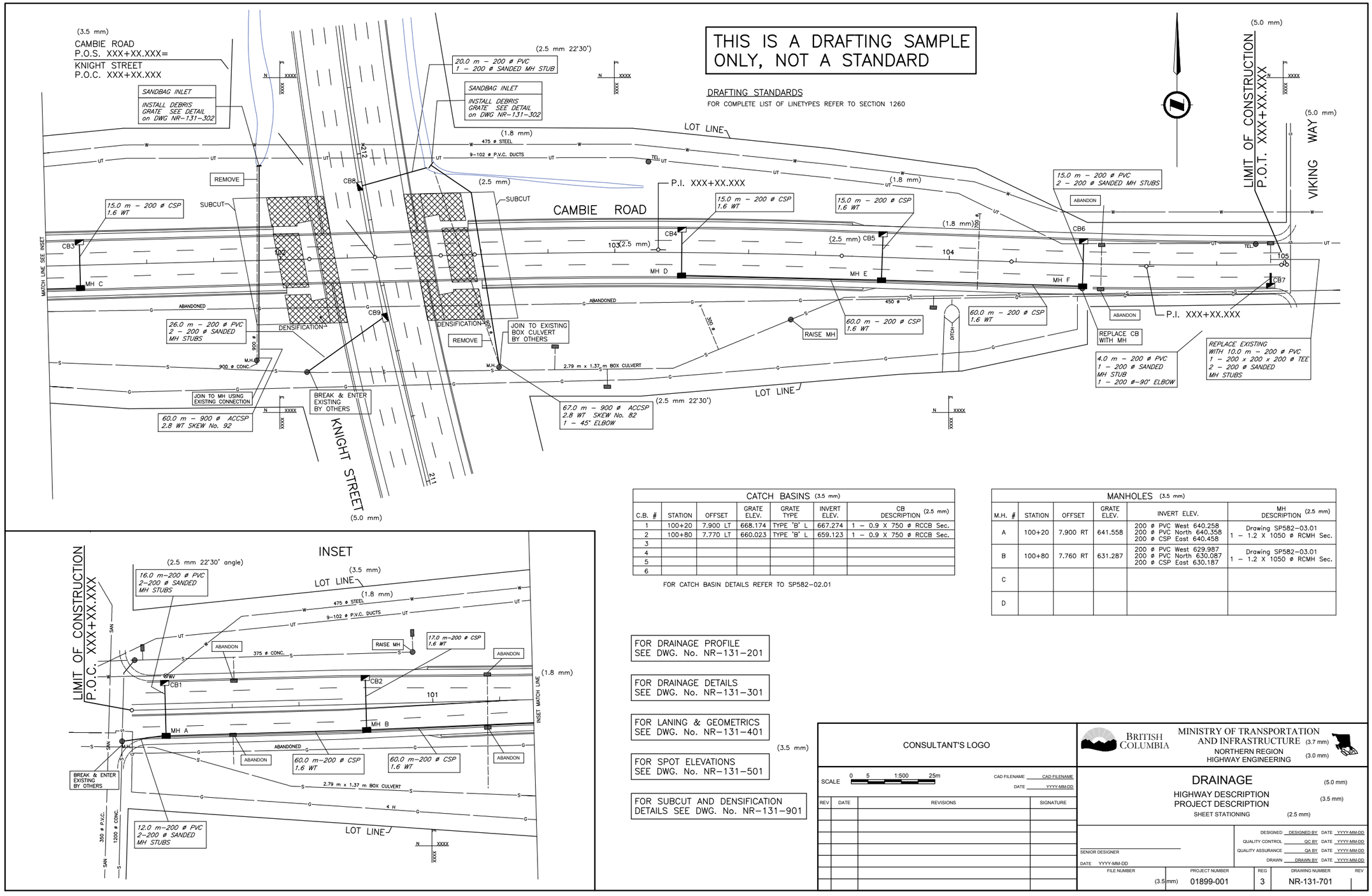
REV	DATE	REVISIONS	SIGNATURE

SIGNING & PAVEMENT MARKINGS
HIGHWAY No. 16
PROJECT DESCRIPTION
SHEET STATIONING

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD
SENIOR DESIGNER
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
	01899-001	3	NR-123-602	

FIGURE 1220.L SAMPLE DRAINAGE



CATCH BASINS (3.5 mm)						
C.B. #	STATION	OFFSET	GRATE ELEV.	GRATE TYPE	INVERT ELEV.	CB DESCRIPTION (2.5 mm)
1	100+20	7.900 LT	668.174	TYPE 'B' L	667.274	1 – 0.9 X 750 ø RCCB Sec.
2	100+80	7.770 LT	660.023	TYPE 'B' L	659.123	1 – 0.9 X 750 ø RCCB Sec.
3						
4						
5						
6						

FOR CATCH BASIN DETAILS REFER TO SP582-02.01

MANHOLES (3.5 mm)					
M.H. #	STATION	OFFSET	GRATE ELEV.	INVERT ELEV.	MH DESCRIPTION (2.5 mm)
A	100+20	7.900 RT	641.558	200 ø PVC West 640.258 200 ø PVC North 640.358 200 ø CSP East 640.458	Drawing SP582-03.01 1 – 1.2 X 1050 ø RCMH Sec.
B	100+80	7.760 RT	631.287	200 ø PVC West 629.987 200 ø PVC North 630.087 200 ø CSP East 630.187	Drawing SP582-03.01 1 – 1.2 X 1050 ø RCMH Sec.
C					
D					

FOR DRAINAGE PROFILE
SEE DWG. No. NR-131-201

FOR DRAINAGE DETAILS
SEE DWG. No. NR-131-301

FOR LANING & GEOMETRICS
SEE DWG. No. NR-131-401

FOR SPOT ELEVATIONS
SEE DWG. No. NR-131-501

FOR SUBCUT AND DENSIFICATION
DETAILS SEE DWG. No. NR-131-901

CONSULTANT'S LOGO

SCALE 0 5 1:500 25m

CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING

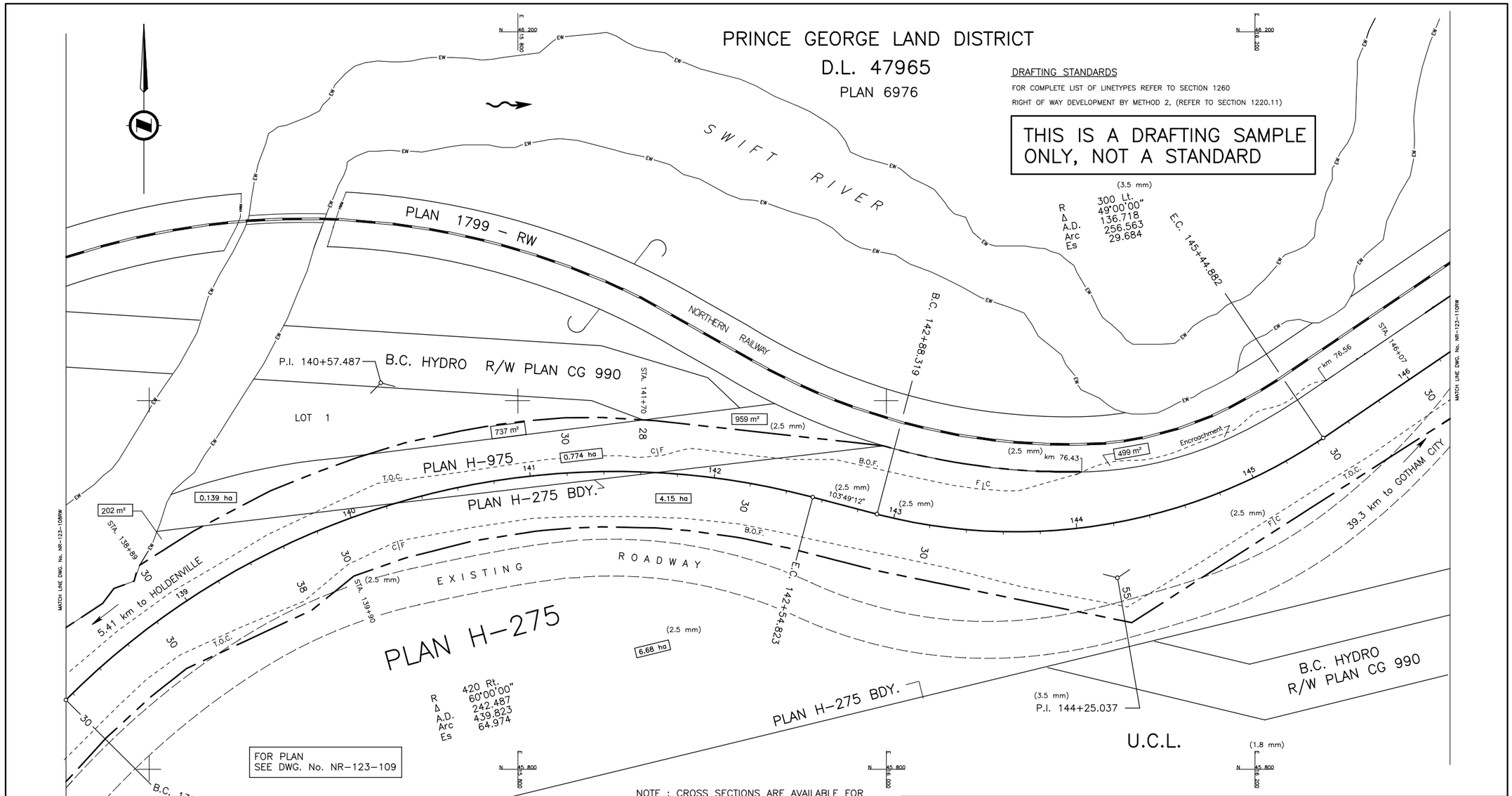
DRAINAGE
HIGHWAY DESCRIPTION
PROJECT DESCRIPTION
SHEET STATIONING

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

SENIOR DESIGNER
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
(3.5 mm)	01899-001	3	NR-131-701	

FIGURE 1220.M SAMPLE PROPERTY ACQUISITION PLAN (RURAL)



LEGAL DESCRIPTION	PID NUMBER	NEW R/W REQ.	R/W INSIDE	R/W OUTSIDE	L.T.C.	COMMENTS
Lot 1, Plan 6976, D.L.47965		0.0737 ha DWG–109RW				737 m²
PLAN 1799–RW				0.0499 ha DWG–109RW		499 m² RAILWAY ENCROACHMENT
PLAN H–275 (2.5 mm)			3.86 ha DWG–108RW 4.15 ha DWG–109RW 3.57 ha DWG–110RW TOTAL 11.58 ha	3.56 ha DWG–108RW 6.68 ha DWG–109RW 0.0202 ha DWG–109RW 2.80 ha DWG–110RW TOTAL 13.06 ha		OUTSIDE AREA IS SURPLUS 202 m²
PLAN H–975			0.774 ha DWG–109RW	0.0959 ha DWG–109RW 0.139 ha DWG–109RW TOTAL 0.235 ha		OUTSIDE AREA IS SURPLUS 959 m²

NOTE : CROSS SECTIONS ARE AVAILABLE FOR VIEWING IN THE REGIONAL DESIGN OFFICE FOR ALL INTERESTED PARTIES.

CONSULTANT'S LOGO

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
NORTHERN REGION
HIGHWAY ENGINEERING (3.0 mm)

SCALE 0 10 1:1000 50m
CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

PROPERTY ACQUISITION PLAN (5.0 mm)
HIGHWAY DESCRIPTION
PROJECT DESCRIPTION (3.5 mm)

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD
SENIOR DESIGNER
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG.	DRAWING NUMBER	REV
(3.5 mm)	01899-001	3	NR-123-109RW	

FIGURE 1220.N SAMPLE PROPERTY ACQUISITION PLAN (URBAN)

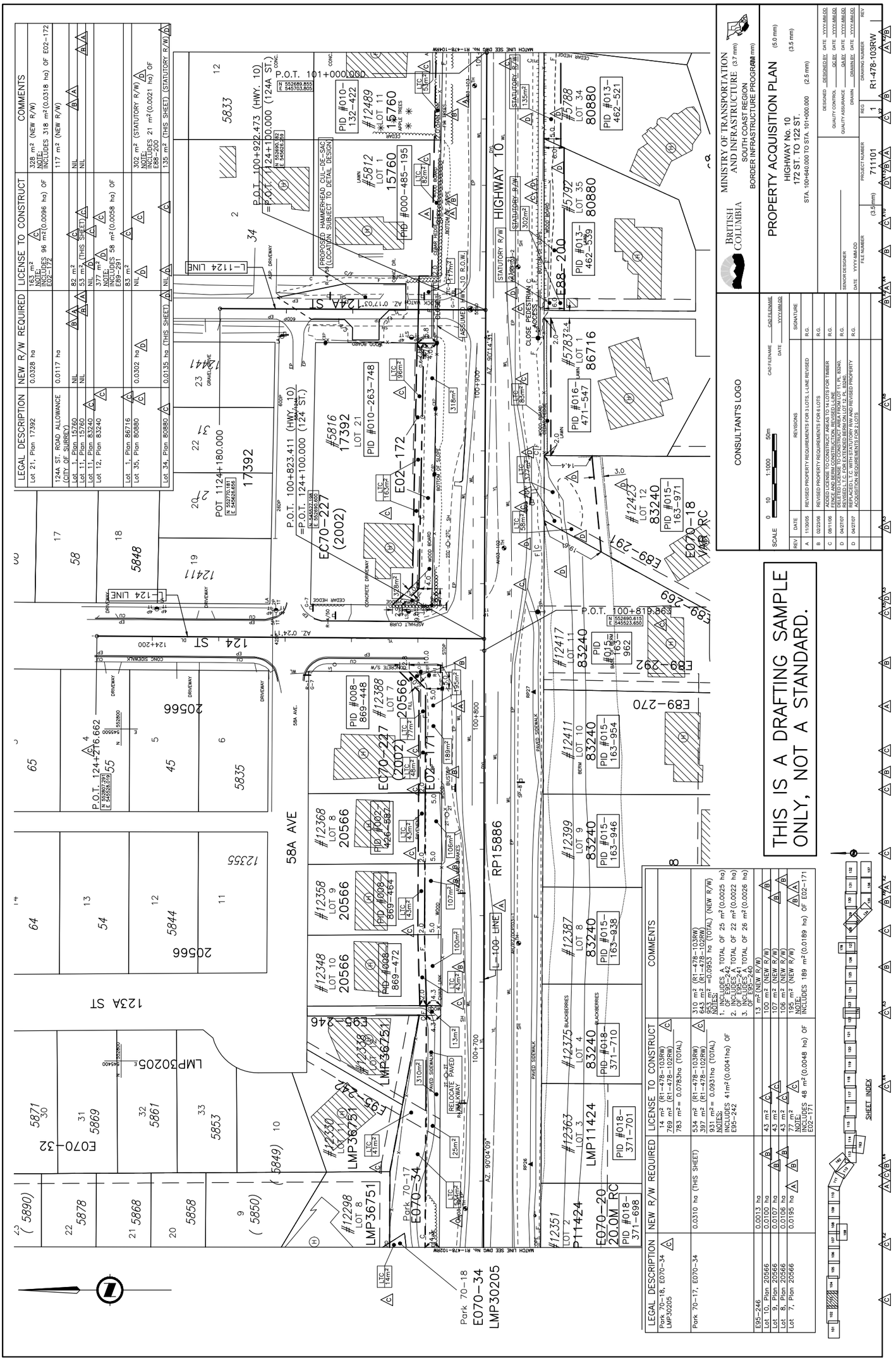


FIGURE 1220.O SAMPLE OVERHAUL TABULATION CHART

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
ENGINEERING BRANCH

OVERHAUL

PROJECT NAME Tabor Mountain - Willow River MADE BY J.H. Cooper SHEET 1 0F 1

HIGHWAY HWY No. 16 CHECKED BY G. Hall DATE APRIL 2006

A				B	C	D	E	F
STATIONS		STATIONS		AREA cm²	SCALE FACTOR	MATERIAL TYPE	FACTOR	OVERHAUL (B x C x D x E) Sta. m
103+00	103+60	104+05		0.60	1 000	100% D	1.20	720
107+55	111+35	124+06	124+55	105.50	1 000	100% D	1.20	126 600
111+35	112+35	118+40	119+25	20.10	1 000	100% A	0.833	16 743
122+37	123+65	124+06		7.90	1 000	60% A	0.833	3 948
122+37	123+65	124+06		7.90	1 000	40% D	1.20	3 792
								151 083
124+55	124+65	127+10	127+45	4.50	1 000	100% A	0.833	3 749
133+20	134+70	134+70		2.40	1 000	100% A	0.833	1 999
							TOTAL	157 551

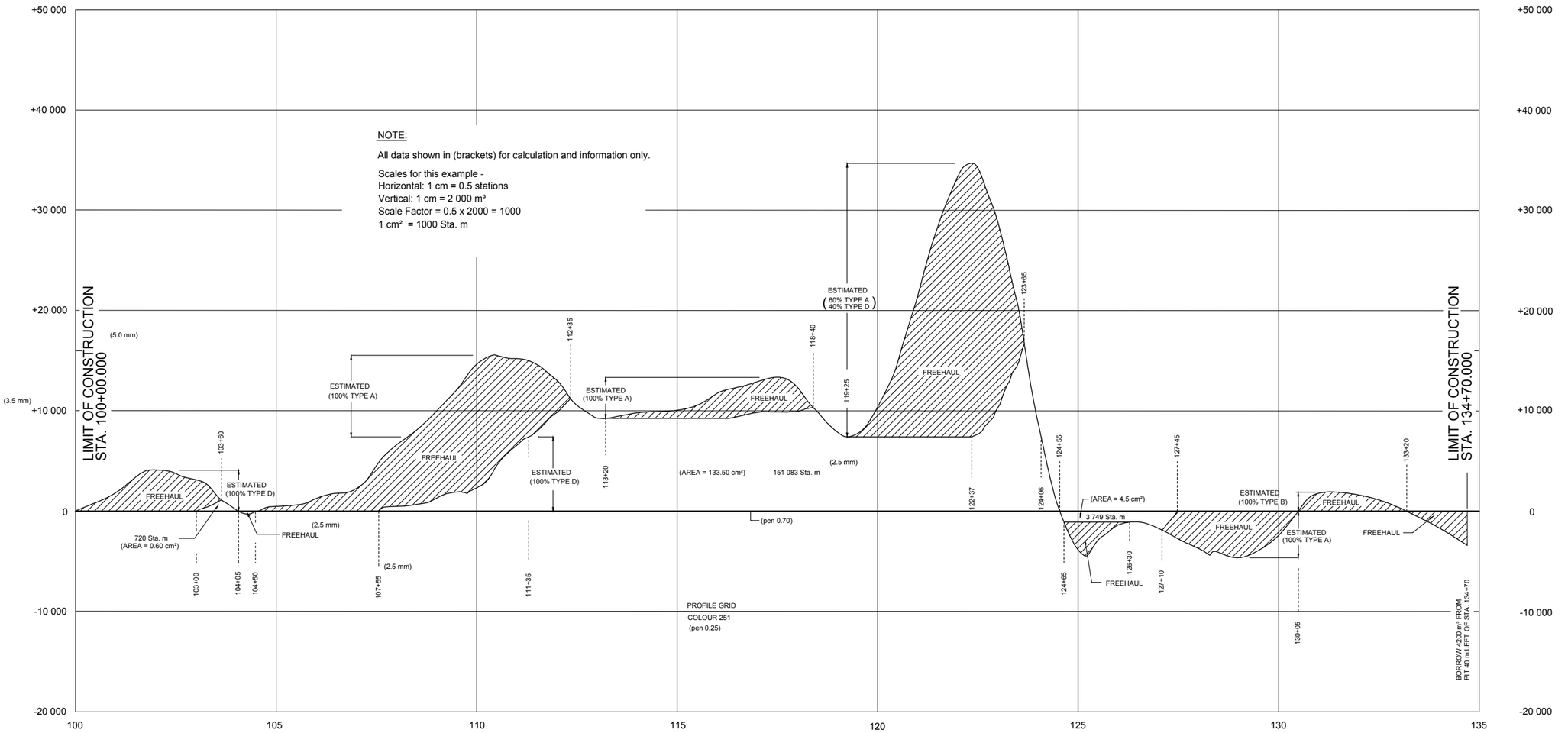
NOTE: Scales for this example
Horizontal: 1 cm = 0.5 Sta.
Vertical: 1 cm = 2000 m³
Therefore, Scale Factor = 0.5 x 2000
= 1000

NOTE: To be used in conjunction with Sample Volume Overhaul Diagram

On SCHEDULE 7 we show overhaul quantities in 1000 Sta. m;
therefore, divide above Sta. m by 1000 and show: 157.6

Form H 759

FIGURE 1220.P SAMPLE VOLUME OVERHAUL



(2.5 mm)

NOTE:

THIS VOLUME OVERHAUL DIAGRAM IS A PLOT ON WHICH SHRINKAGE AND SWELL ADJUSTMENT FACTORS HAVE BEEN APPLIED TO THE EXCAVATION QUANTITIES. THE VERTICAL SCALE SHOULD THEREFORE NOT BE USED TO SCALE IN SITU EXCAVATION QUANTITIES TO BE OVERHAULED. THE HAUL FIGURES SHOWN REPRESENT THE ACTUAL ESTIMATED UNADJUSTED EXCAVATION QUANTITIES.

FOR INFORMATION ONLY

THIS NOTE REQUIRED WHEN HAUL IS INCLUDED IN THE BID PRICE FOR EXCAVATION

For further details see SECTION 1220.12

(5.0 mm)

VOLUME OVERHAUL 'THIS SHEET'

157 551 Station metres

Definition: (2.5 mm)
A sta. m is 1 m³ hauled one station (100 m).

Show total per sheet when more than one sheet is involved with a Project Summary on last L-line sheet

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD

CONSULTANT'S LOGO

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
NORTHERN REGION (3.0 mm)
HIGHWAY ENGINEERING

SCALE
0 50 1:5 000 250m Horizontal
0 2 000 1:200 000 10 000m³ Vertical

CAD FILENAME: CAD FILENAME
DATE: YYYY-MM-DD

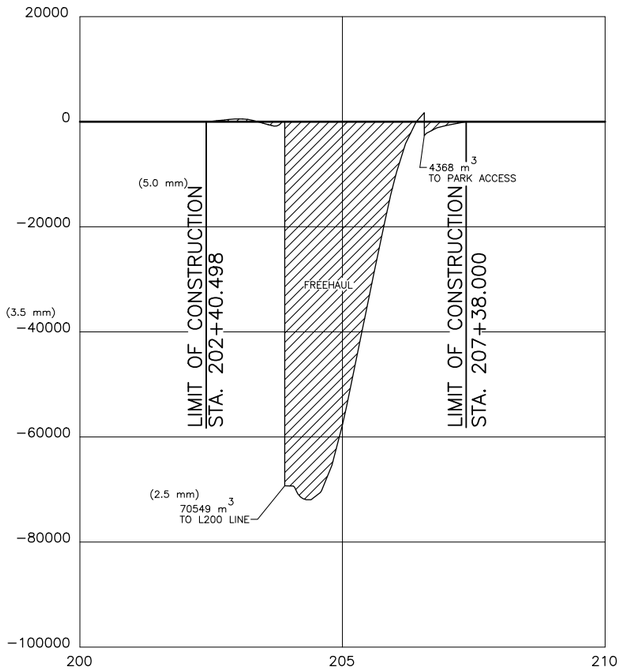
REV	DATE	REVISIONS	SIGNATURE

VOLUME OVERHAUL DIAGRAM (5.0 mm)
HIGHWAY No. 16
TABOR MOUNTAIN TO WILLOW RIVER (3.5 mm)
STA. 100+00 TO STA. 135+00 (2.5 mm)

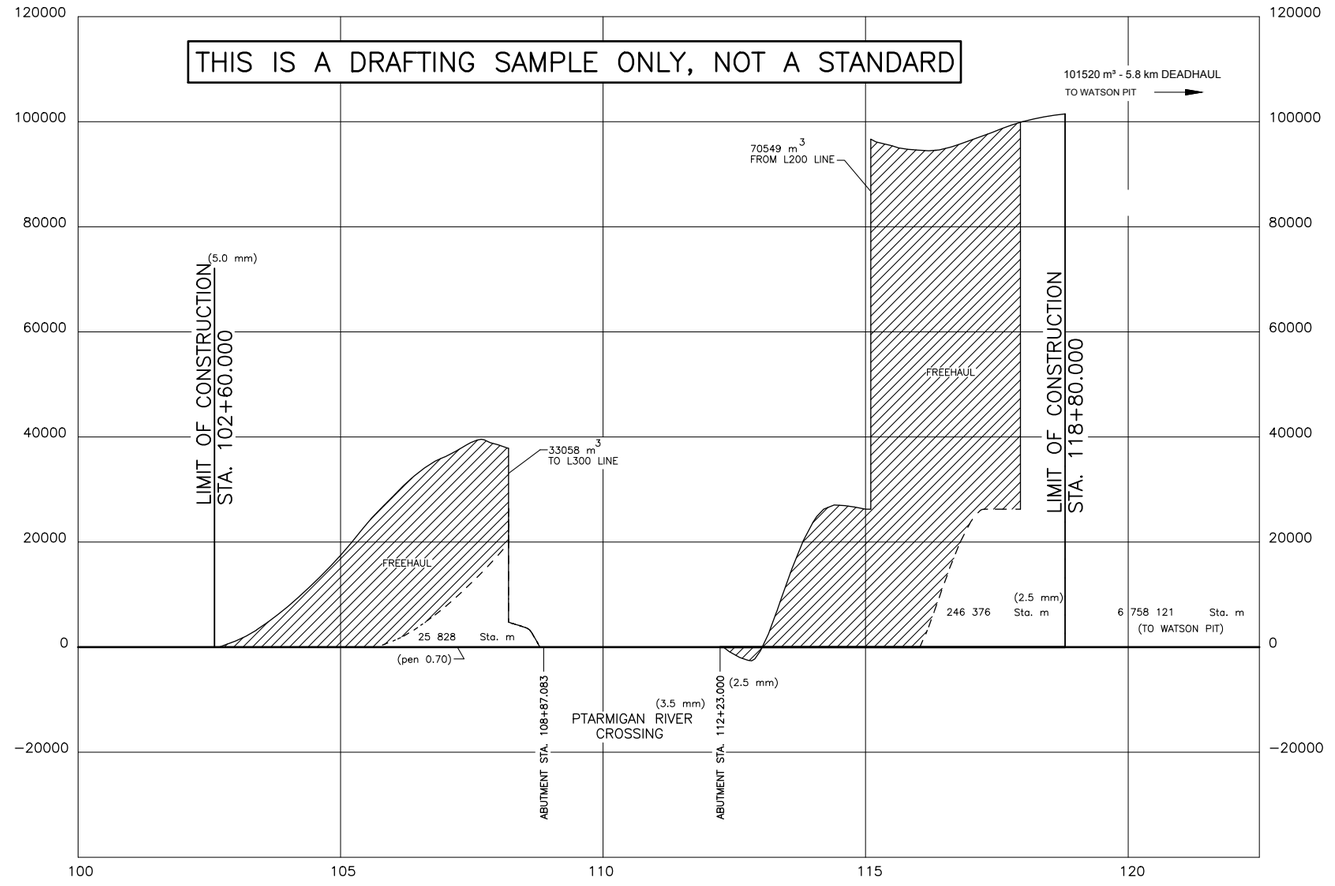
DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD
SENIOR DESIGNER
DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
(3.5 mm)	XXXXX-XXXX	3	NR-123-801	

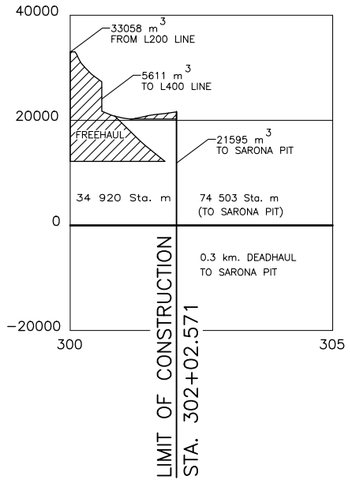
FIGURE 1220.Q SAMPLE VOLUME OVERHAUL



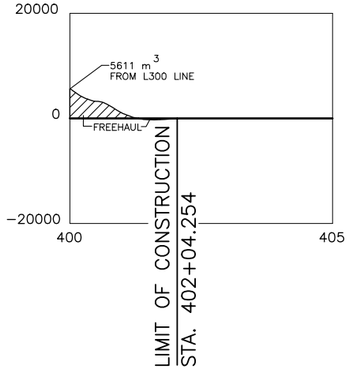
L200 LINE



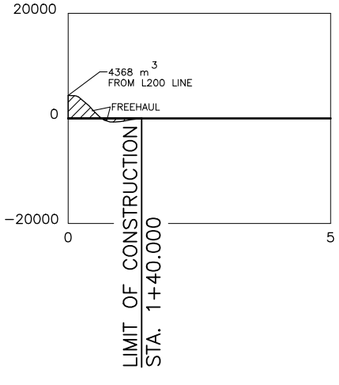
(5.0 mm)
L100 LINE



L300 LINE



L400 LINE



PARK ACCESS

(5.0 mm)
VOLUME OVERHAUL SUMMARY

7 139 748 Sta. m

FOR INFORMATION ONLY

THIS NOTE REQUIRED WHEN HAUL IS INCLUDED IN THE BID PRICE FOR EXCAVATION

NOTE:

(2.5 mm) THIS VOLUME OVERHAUL DIAGRAM IS A PLOT ON WHICH SHRINKAGE AND SWELL ADJUSTMENT FACTORS HAVE BEEN APPLIED TO THE EXCAVATION QUANTITIES. THE VERTICAL SCALE SHOULD THEREFORE NOT BE USED TO SCALE IN SITU EXCAVATION QUANTITIES TO BE OVERHAULED. THE HAUL FIGURES SHOWN REPRESENT THE ACTUAL ESTIMATED UNADJUSTED EXCAVATION QUANTITIES.

CONSULTANT'S LOGO

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
NORTHERN REGION
HIGHWAY ENGINEERING (3.0 mm)

SCALE 0 50 1:5 000 250m Horizontal
0 5 000 1:500 000 25 000m Vertical

CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

VOLUME OVERHAUL DIAGRAM (5.0 mm)
HIGHWAY No. 16
PTARMIGAN RIVER BRIDGE APPROACHES (3.5 mm)
L100 LINE, L200 LINE, L300 LINE & L400 LINE (2.5 mm)

SENIOR DESIGNER
DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
(3.5 mm)	XXXXX-XXXX	3	NR-123-802	

FIGURE 1220.R SAMPLE GRAVEL QUANTITIES AND HAUL

(10.0 mm)

GRAVEL QUANTITIES AND HAUL

FOR A DESCRIPTION OF NUMBERED ITEMS SEE SECTION 1220.13

(3.5 mm) PROJECT KILOMETRES

(3.5 mm)	0	1	2	3 (1)	4 4.064	TOTALS
25 mm OF CRUSHED BASE COURSE	2 843	2 843	4 370	11 804	←83	21 943
50 mm OF CRUSHED BASE COURSE (2)	3 146 (3)	3 146	4 455	12 396	←88 (4)	23 231 (5)
SELECT GRANULAR SUB–BASE	15 611	15 611	22 682	60 012	←400	114 316
HIGH FINES GRANULAR SURFACING AGGREGATE	NIL	NIL	NIL	281	←NIL	281
STRUCTURE BACKFILL	NIL	NIL	NIL	520	←NIL	520
				TOTAL		170 541 (6)

(7) (5.0 mm)

25 mm WELL GRADED CRUSHED BASE COURSE

JONES GRAVEL PIT LOCATED 1.2 km FROM INTERSECTION OF SOUTH SERVICE ROAD AND UNDERPASS ROADWAY (9)

FIRST KILOMETRE (8)				7 781 (10)	5 385	13 166
SECOND KILOMETRE			3 816 (11)			3 816 (12)
THIRD KILOMETRE		2 843				2 843
FOURTH KILOMETRE	2 118					2 118
				TOTAL		21 943 (13)

50 mm WELL GRADED CRUSHED BASE COURSE

FIRST KILOMETRE				8 141	5 754	13 895
SECOND KILOMETRE			3 846			3 846
THIRD KILOMETRE		3 146				3 146
FOURTH KILOMETRE	2 344					2 344
				TOTAL		23 231

SELECT GRANULAR SUB-BASE

FIRST KILOMETRE				40 403	27 361	67 764
SECOND KILOMETRE			19 311			19 311
THIRD KILOMETRE		15 611				15 611
FOURTH KILOMETRE	11 630					11 630
				TOTAL		114 316

HIGH FINES GRANULAR SURFACING AGGREGATE

FIRST KILOMETRE					281	281
				TOTAL		281

STRUCTURE BACKFILL

FIRST KILOMETRE				260	260	520
				TOTAL		520

(3.5 mm)

(5.0 mm) HAUL SUMMARY	
FIRST KILOMETRE	102 189 (14)
SECOND KILOMETRE	28 606
THIRD KILOMETRE	22 778
FOURTH KILOMETRE	16 968
TOTAL	170 541 (15)

NOTE:

ALL GRAVEL UNITS ARE IN TONNES

THIS IS A DRAFTING SAMPLE ONLY, NOT A STANDARD.

CONSULTANT'S LOGO

BRITISH COLUMBIA

MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (3.7 mm)
NORTHERN REGION
HIGHWAY ENGINEERING (3.0 mm)

SCALE (AS SHOWN)
CAD FILENAME CAD FILENAME
DATE YYYY-MM-DD

REV	DATE	REVISIONS	SIGNATURE

GRAVEL QUANTITIES AND HAUL (5.0 mm)
HIGHWAY No. 16
WILLOW RIVER INTERCHANGE (3.5 mm)

SENIOR DESIGNER
DATE YYYY-MM-DD

DESIGNED DESIGNED BY DATE YYYY-MM-DD
QUALITY CONTROL QC BY DATE YYYY-MM-DD
QUALITY ASSURANCE QA BY DATE YYYY-MM-DD
DRAWN DRAWN BY DATE YYYY-MM-DD

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
(3.5 mm)	XXXXX-XXXX	3	NR-123-803	