

ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017

LEGEND

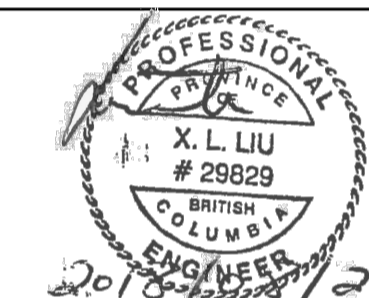
LINETYPE (EXISTING)	LINETYPE (PROPOSED)
EDGE OF PAVEMENT	EDGE OF PAVEMENT
CENTERLINE	CONTROL LINE
	BARRIERS
FOG LINE	EDGE OF SHOULDER /GRAVEL ROAD
EDGE OF SHOULDER /GRAVEL ROAD	FIBER OPTIC CABLE
DITCH	DITCH
TREELINE	
FENCE	POWERLINE
RIGHT OF WAY	PROPOSED RIGHT OF WAY
CULVERT	CULVERT
CONTROL MONUMENT	
SINGLE POST SIGN	SINGLE POST SIGN
LUMINAIRE	LUMINAIRE

SURVEY CONTROL POINTS

POINT	EASTING	NORTHING	ELEVATION	DESCRIPTION
99	573,066.372	6,287,673.073	926.574	SPK
10149	573,284.181	6,287,624.102	918.997	MON
10227	572,531.455	6,288,103.568	923.210	OIP
10231	572,533.877	6,288,212.973	922.161	MON
101713	573,086.592	6,287,668.970	925.944	MON

NOTES:

1. ELEVATIONS ARE GEODETIC AND DERIVED FROM DUAL FREQUENCY CARRIER PHASE GPS. OBSERVATIONS PROCESSED USING PWGSC CONTROL MONUMENTS AND PPP
2. CONTROL POINT DATUM: NAD83
CONTROL POINT VERTICAL DATUM: CGVD 28
CONTROL POINT PROJECTION: UTM ZONE 10



H:
V:

1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25

Revision/Évaluation Description/Description Date/Date

Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approuvé par
R.LIU
Designed by/Concept par
E.YANG
Drawn by/Dessiné par
E.WILLIAMS
PWGSC Project Manager/Administrateur de Projets TPSCG
V.WONG
PWGSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCG

Client/Client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
LEGEND AND CONTROL MONUMENT LOCATIONS

Project No./No. du projet R.017173.321	Sheet/Fauille C002 OF	Revision no./La Révision no. 1
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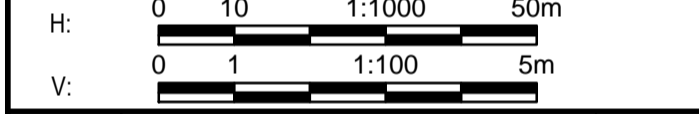
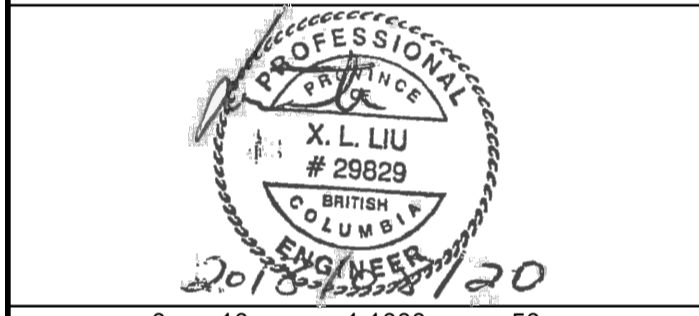
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LEGEND

BC = BEGINNING OF CURVE
 EC = END OF CURVE
 TS = TANGENT TO SPIRAL POINT
 SC = SPIRAL TO CURVE POINT
 CS = CURVE TO SPIRAL POINT
 ST = SPIRAL TO TANGENT



H:	0	10	1:1000	50m
V:	0	1	1:100	5m

1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

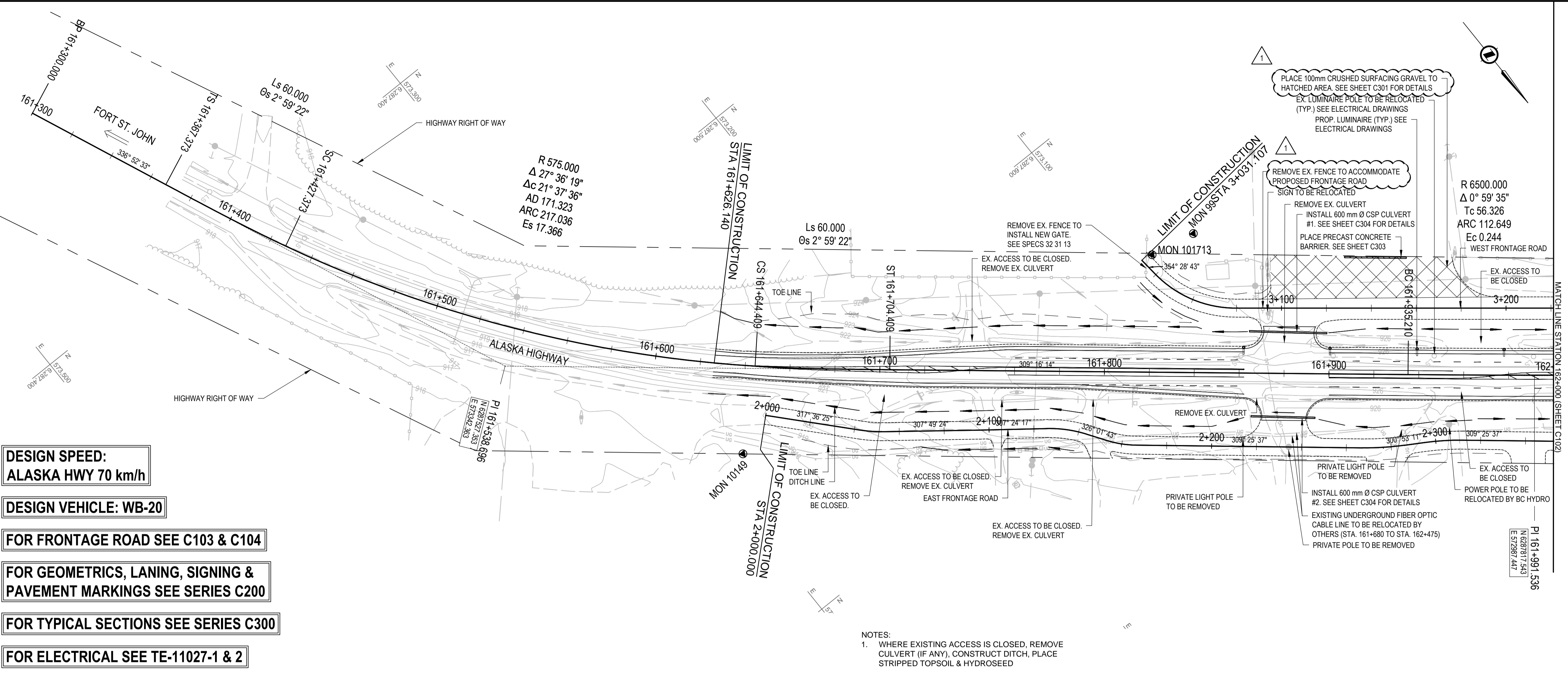
Project title/Titre du projet
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PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
PLAN AND PROFILE ALASKA HIGHWAY STA. 161+626.140 TO STA. 162+000

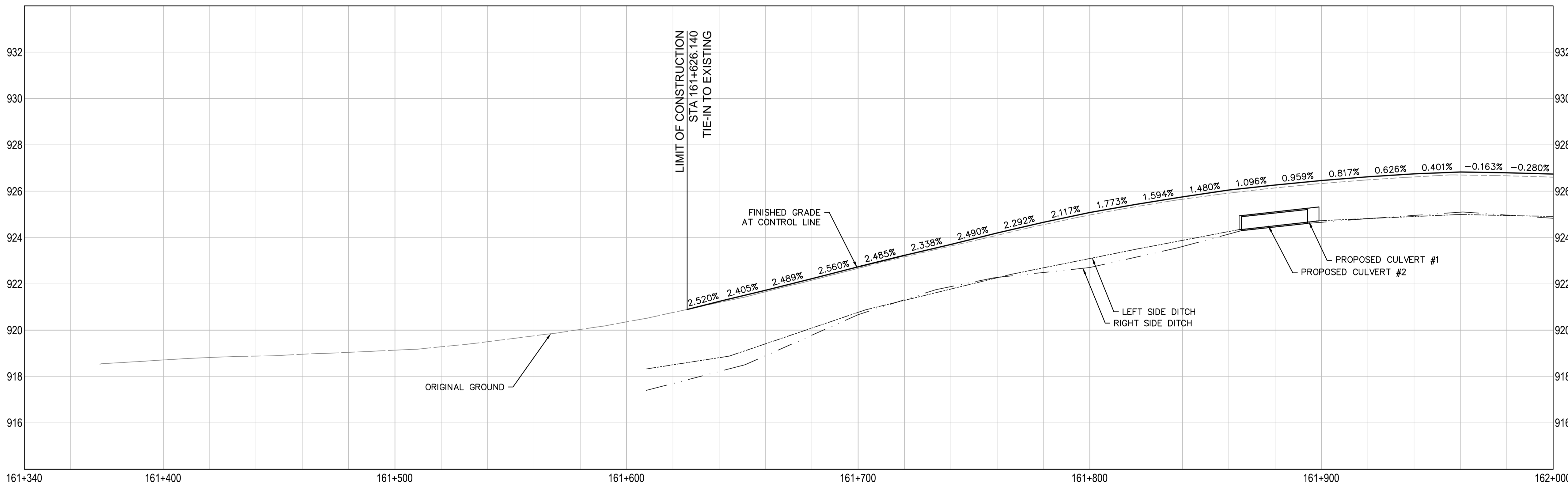
Project No./No. du projet R.017173.321	Sheet/Fauille C101 OF	Revision no./La Révision no. 1
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- DESIGN SPEED:**
ALASKA HWY 70 km/h
- DESIGN VEHICLE:** WB-20
- FOR FRONTAGE ROAD SEE C103 & C104**
- FOR GEOMETRICS, LANING, SIGNING & PAVEMENT MARKINGS SEE SERIES C200**
- FOR TYPICAL SECTIONS SEE SERIES C300**
- FOR ELECTRICAL SEE TE-11027-1 & 2**

NOTES:

- WHERE EXISTING ACCESS IS CLOSED, REMOVE CULVERT (IF ANY), CONSTRUCT DITCH, PLACE STRIPPED TOPSOIL & HYDROSEED



LEFT EOP ELEVATION	CONTROLLINE ELEVATION	RIGHT EOP ELEVATION
922.00		922.00
	916.59	
	916.71	
	916.82	
	916.88	
	916.96	
	919.04	
	919.14	
	919.29	
	919.50	
	919.76	
	920.03	
	920.36	
	920.76	
	921.20	
	921.242	
	921.66	
	921.724	
	921.301	
	921.942	
	922.16	
	922.222	
	922.538	
	922.823	
	922.734	
	923.001	
	923.246	
	923.231	
	923.63	
	923.699	
	923.503	
	924.10	
	924.102	
	924.197	
	924.861	
	924.97	
	925.079	
	925.33	
	925.433	
	925.215	
	925.229	
	925.43	
	925.65	
	925.545	
	925.752	
	926.534	
	926.789	
	926.048	
	926.830	
	926.14	
	926.267	
	926.929	
	926.33	
	926.459	
	926.241	
	926.403	
	926.539	
	926.622	
	926.49	
	926.62	
	926.475	
	926.747	
	926.528	
	926.70	
	926.828	
	926.608	
	926.522	
	926.66	
	926.512	
	926.795	
	926.60	
	926.69	
	926.521	

I:\Local\alLegacy\Transportation\TRN\VHW\Projects\TRN\VHW\0392 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C101-104 PLAN PROFILES.dwg [C101] August 21, 2018 - 3:44:44 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

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H: 0 10 1:1000 50m
 V: 0 1 1:100 5m

Revision/Revisión	Description/Description	Date/Date
1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25

Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



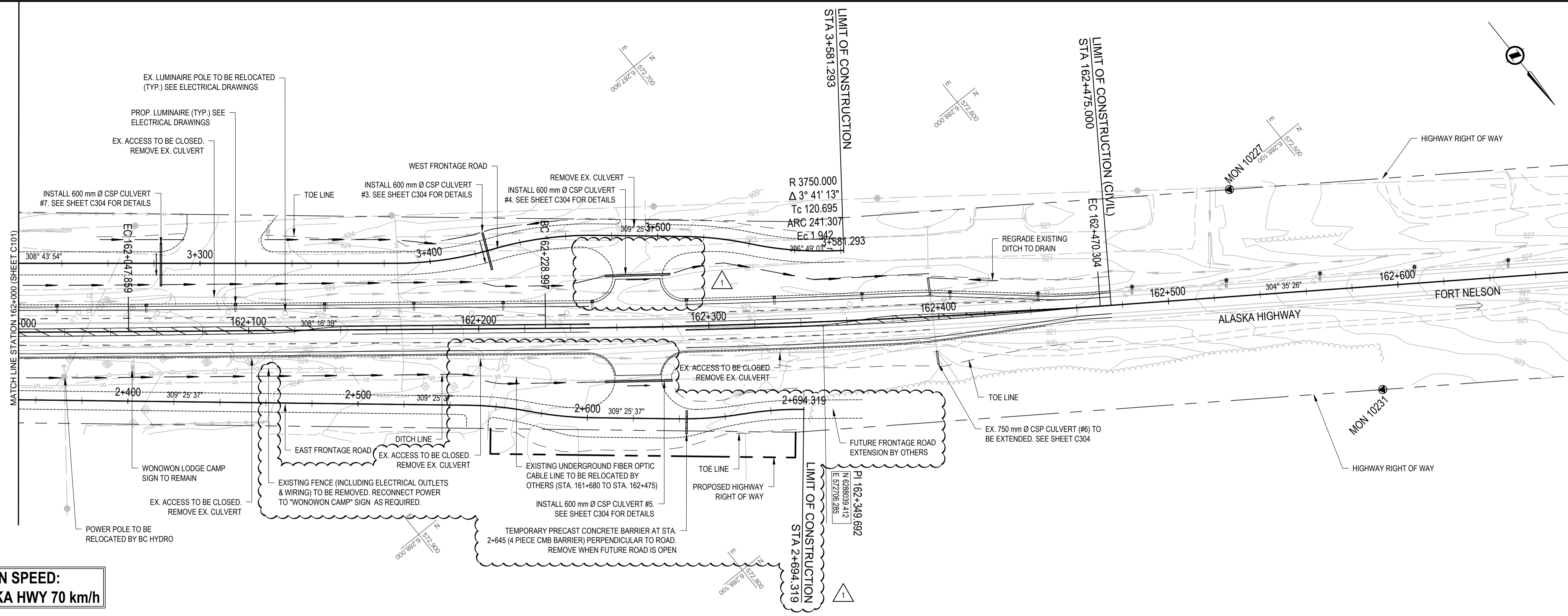
Project Title/Titre du projet
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PUBLIC WORKS GOVERNMENT SERVICES CANADA

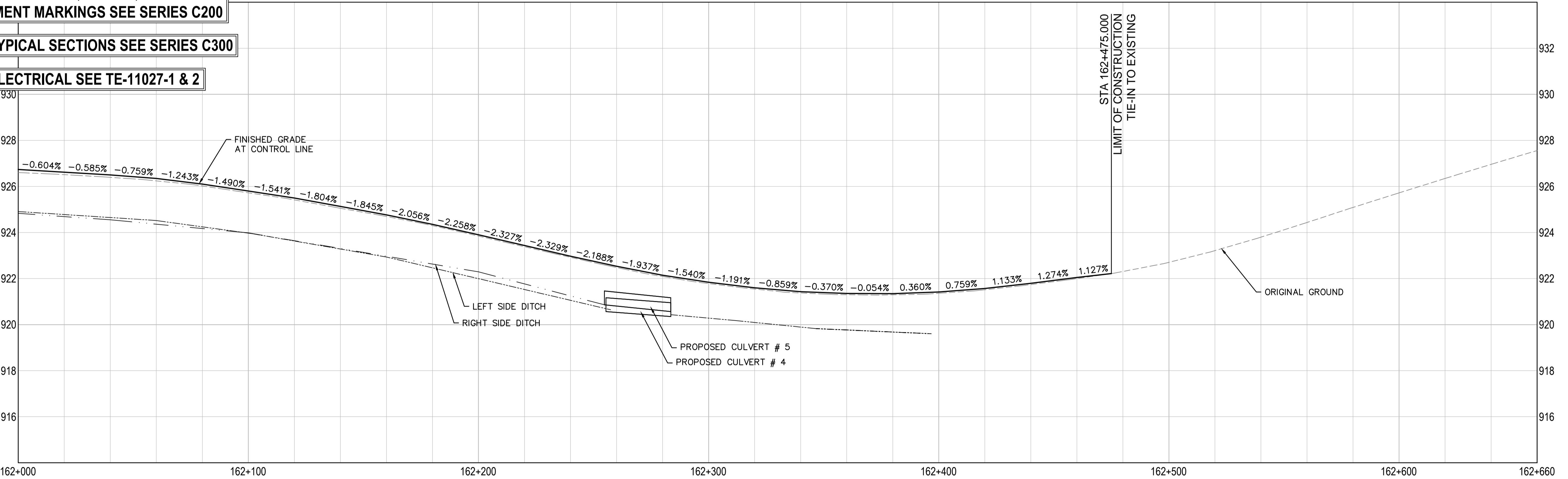
Drawing Title/Titre du dessin
PLAN AND PROFILE ALASKA HIGHWAY STA. 162+000 TO STA. 162+475.000

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C102	1



- NOTES:**
- WHERE EXISTING ACCESS IS CLOSED, REMOVE CULVERT (IF ANY), CONSTRUCT DITCH, PLACE STRIPPED TOPSOIL & HYDROSEED

- DESIGN SPEED:**
ALASKA HWY 70 km/h
- DESIGN VEHICLE:** WB-20
- FOR FRONTAGE ROAD SEE C103 & C104**
- FOR GEOMETRICS, LANING, SIGNING & PAVEMENT MARKINGS SEE SERIES C200**
- FOR TYPICAL SECTIONS SEE SERIES C300**
- FOR ELECTRICAL SEE TE-11027-1 & 2**

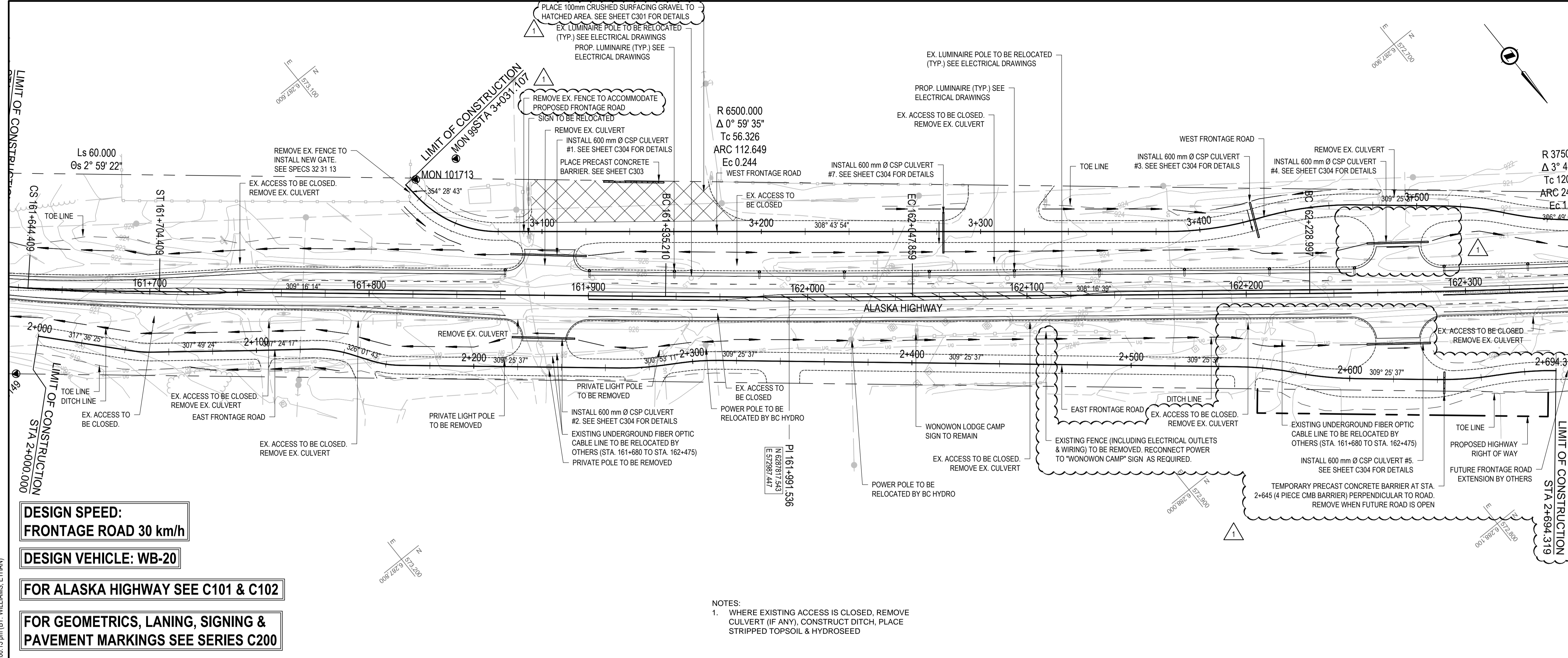


LEFT EOP ELEVATION	CONTROLLINE ELEVATION	RIGHT EOP ELEVATION
926.521	926.339	926.499
926.400	926.511	926.335
926.283	926.400	926.196
926.131	926.283	926.131
925.983	926.131	925.883
925.835	925.983	925.585
925.277	925.411	925.277
924.916	925.051	924.916
924.547	924.689	924.547
924.059	924.301	924.288
923.575	923.851	923.902
923.110	923.381	923.502
922.644	922.921	923.102
922.166	922.448	922.619
921.684	921.975	922.146
921.211	921.501	921.718
920.723	921.028	921.188
920.237	920.554	920.646
920.027	920.354	920.572
921.016	921.291	921.561
921.609	921.741	921.863
922.046	922.001	922.064
922.311	922.311	922.311
922.701	922.701	922.701
923.211	923.211	923.211
923.801	923.801	923.801
924.431	924.431	924.431
925.091	925.091	925.091
925.721	925.721	925.721
926.351	926.351	926.351
926.961	926.961	926.961
927.561	927.561	927.561

I:\Local\alLegacy\Transportation\TRN\VHW\Projects\TRN\VHW\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C101-104 PLAN PROFILES.dwg C102 August 21, 2018 - 3:44:50 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

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DESIGN SPEED:
FRONTAGE ROAD 30 km/h

DESIGN VEHICLE: WB-20

FOR ALASKA HIGHWAY SEE C101 & C102

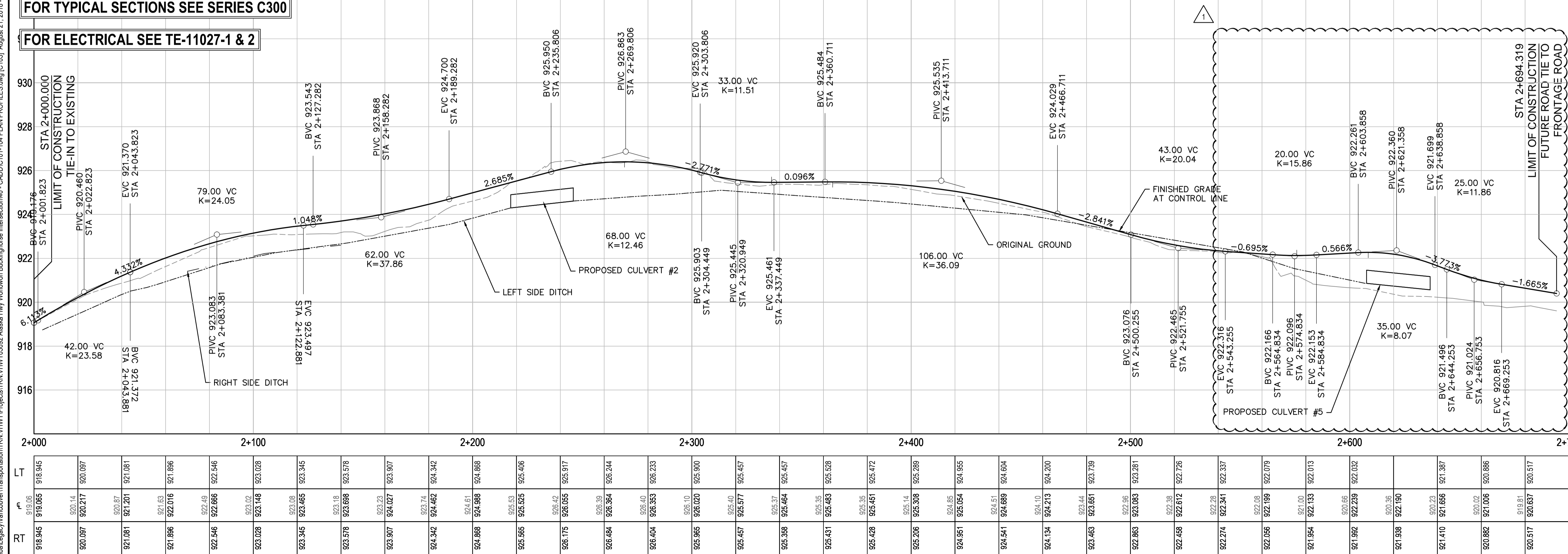
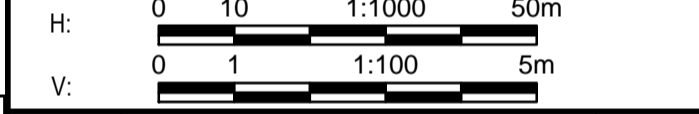
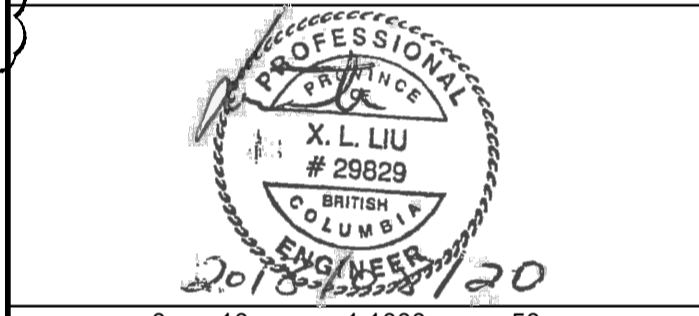
FOR GEOMETRICS, LANING, SIGNING & PAVEMENT MARKINGS SEE SERIES C200

FOR TYPICAL SECTIONS SEE SERIES C300

FOR ELECTRICAL SEE TE-11027-1 & 2

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LT	RT
919.06	918.945
919.065	918.95
920.14	920.097
920.097	920.217
920.87	921.081
921.081	921.201
921.63	921.896
921.63	922.016
922.49	922.546
922.666	922.546
923.02	923.028
923.028	923.148
923.08	923.345
923.345	923.465
923.18	923.578
923.698	923.578
923.23	923.907
923.907	924.027
923.74	924.342
924.61	924.661
924.661	924.888
925.83	925.406
925.83	925.525
926.42	926.917
926.175	926.055
926.33	926.244
926.44	926.364
926.40	926.233
926.404	926.353
926.10	925.900
926.865	926.020
926.40	925.457
926.57	925.577
926.37	925.457
926.358	925.464
926.35	925.528
926.431	925.483
926.35	925.472
926.428	925.457
926.14	925.289
926.206	925.308
924.85	924.955
924.851	925.054
924.51	924.604
924.134	924.200
923.44	923.739
923.463	923.651
922.95	922.281
922.863	923.083
922.38	922.726
922.458	922.612
922.274	922.341
922.08	922.079
922.056	922.199
921.938	922.190
921.938	921.397
921.410	921.656
920.882	921.005
920.882	920.886
920.517	920.637
920.517	920.517

EAST FRONTAGE ROAD (L2)
SCALE 1:1000

Revision/	Description/Description	Date/Date
0	ISSUED FOR ADDENDUM 1	18/08/20
1	ISSUED FOR TENDER	18/07/25

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project Title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
 Designed by/Concept par
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 PWGSC Project Manager/Administrateur de Projets TPSC
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PUBLIC WORKS GOVERNMENT SERVICES CANADA

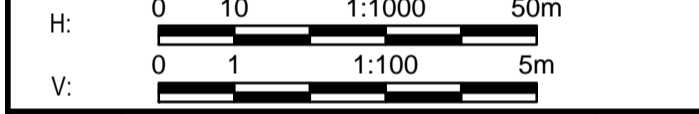
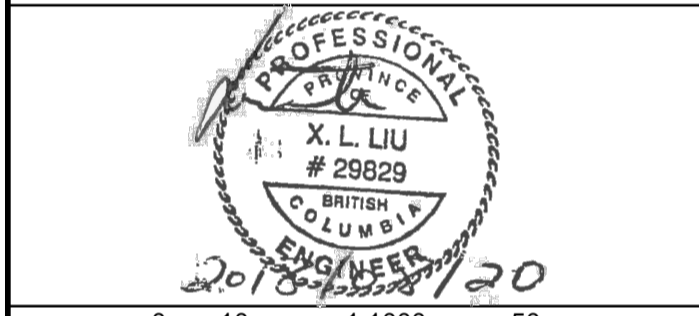
Drawing title/Titre du dessin
PLAN AND PROFILE EAST FRONTAGE ROAD STA. 2+000.000 TO STA. 2+649.319

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C103	1

ISSUED FOR TENDER

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Revision/Revisión	Description/Description	Date/Date

Client/Client
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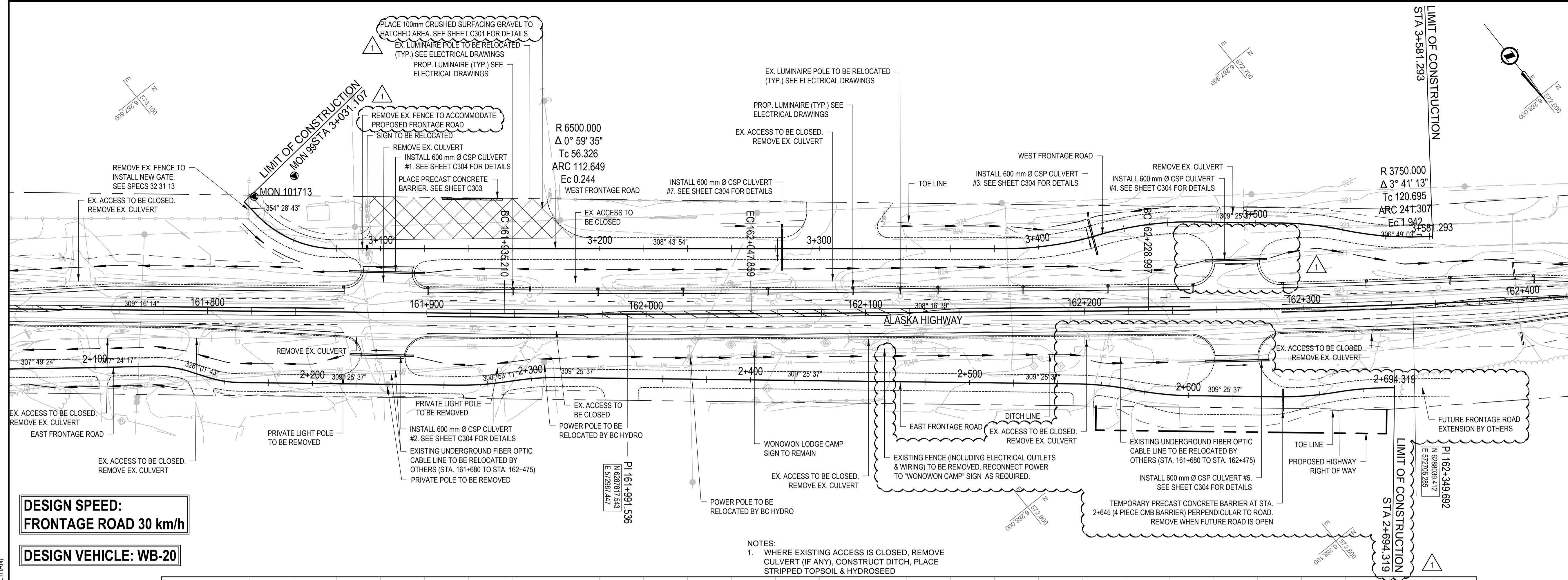
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Client/Client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing Title/Titre du dessin
PLAN AND PROFILE WEST FRONTAGE ROAD STA. 3+031.107 TO STA. 3+581.293

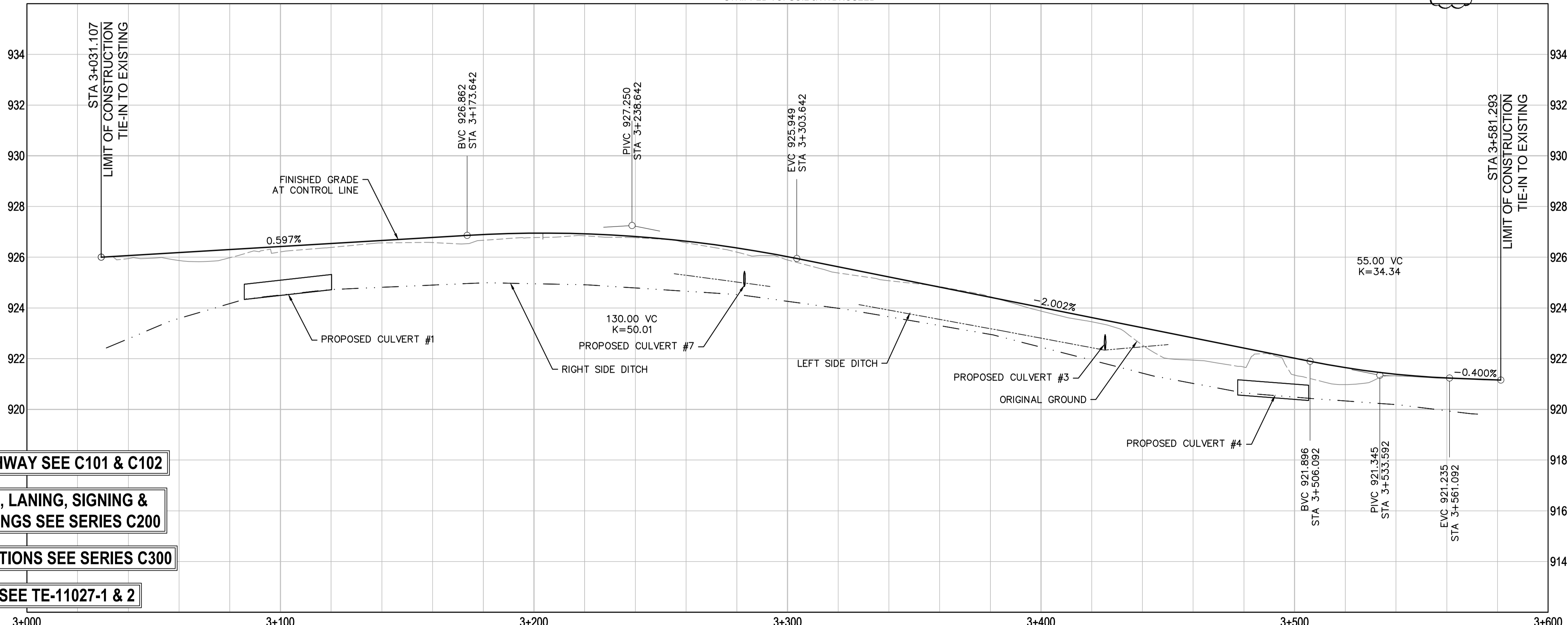
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C104	1



DESIGN SPEED:
 FRONTAGE ROAD 30 km/h

DESIGN VEHICLE: WB-20

NOTES:
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FOR ALASKA HIGHWAY SEE C101 & C102

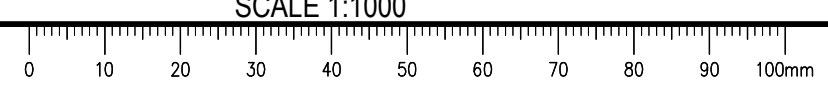
FOR GEOMETRICS, LANING, SIGNING & PAVEMENT MARKINGS SEE SERIES C200

FOR TYPICAL SECTIONS SEE SERIES C300

FOR ELECTRICAL SEE TE-11027-1 & 2

LT. GRAVEL EDGE ELEV.	CONTROLLINE ELEVATION	RT. GRAVEL EDGE ELEV.
	925.95	926.184
	925.94	926.064
	925.87	926.303
	925.83	926.183
	925.58	926.423
	925.303	926.423
	926.21	926.500
	926.42	926.609
	926.39	926.542
	926.57	926.725
	926.661	926.711
	926.58	926.711
	926.67	926.732
	926.896	926.732
	926.77	926.821
	926.950	926.821
	926.84	926.773
	926.924	926.773
	926.77	926.696
	926.818	926.696
	926.57	926.477
	926.632	926.477
	926.20	926.328
	926.347	926.367
	926.04	926.016
	926.89	926.016
	926.501	925.537
	925.07	925.087
	925.163	925.221
	924.84	924.831
	924.869	924.821
	924.44	924.420
	924.378	924.444
	924.874	924.888
	924.020	923.874
	923.470	923.570
	923.069	923.219
	922.53	923.369
	922.069	922.819
	921.67	922.869
	921.937	922.418
	921.15	922.668
	921.35	921.168
	922.018	921.168
	920.388	921.533
	921.505	921.646
	921.32	921.308
	921.308	921.394
	921.22	921.240
	921.200	921.240
	921.15	921.150
	921.150	921.150

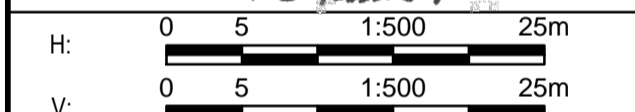
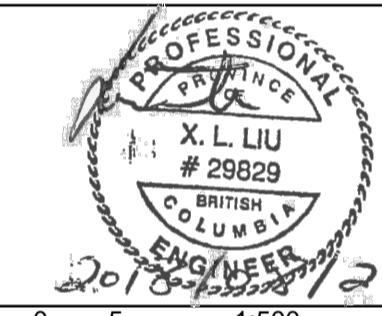
WEST FRONTAGE ROAD (L3)
 SCALE 1:1000



I:\Local\Legacy\Transportation\TRN\VHW\Projects\TRN\VHW\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C101-104 PLAN PROFILES.dwg [C104] August 21, 2018 - 3:45:03 pm (BY: WILLIAMS, ETHAN)

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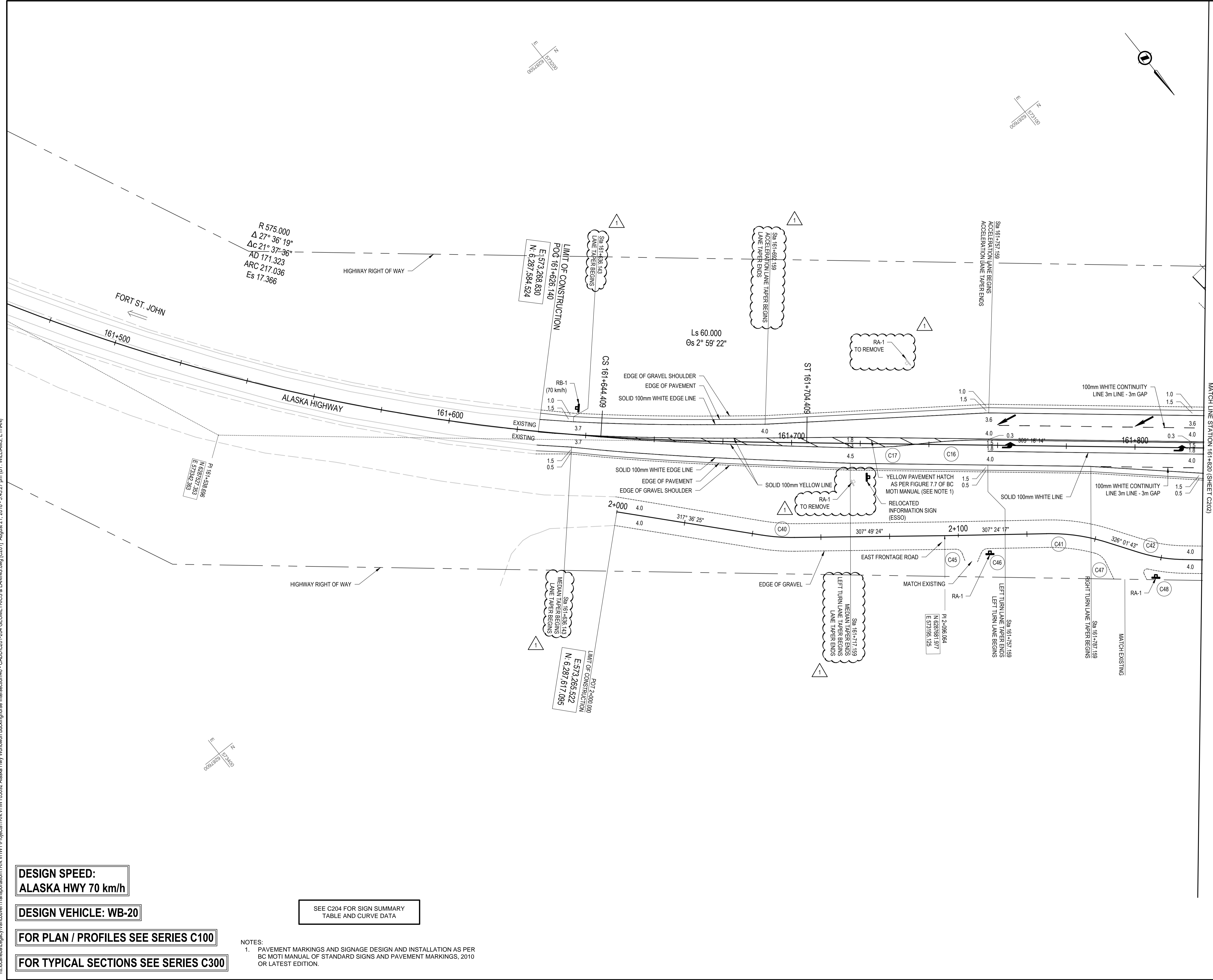


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WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

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 PWSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSC: [Name]
 Client/Client: PUBLIC WORKS GOVERNMENT SERVICES CANADA
 Drawing Title/Titre du dessin:

GEOMETRICS, LANING, SIGNAGE & PAVEMENT MARKINGS STA.161+626.140 TO STA.161+820

Project No./No. du projet: R.017173.321	Sheet/Fauille: C201 OF	Revision no./La Révision no.: 1
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**DESIGN SPEED:
ALASKA HWY 70 km/h**

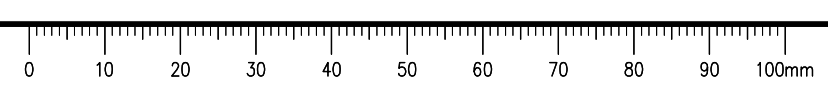
DESIGN VEHICLE: WB-20

FOR PLAN / PROFILES SEE SERIES C100

FOR TYPICAL SECTIONS SEE SERIES C300

SEE C204 FOR SIGN SUMMARY TABLE AND CURVE DATA

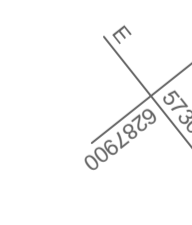
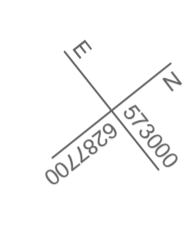
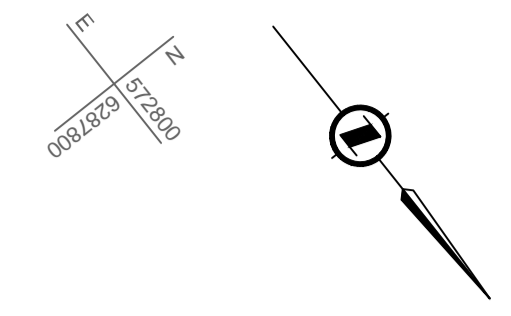
- NOTES:
- PAVEMENT MARKINGS AND SIGNAGE DESIGN AND INSTALLATION AS PER BC MOTI MANUAL OF STANDARD SIGNS AND PAVEMENT MARKINGS, 2010 OR LATEST EDITION.



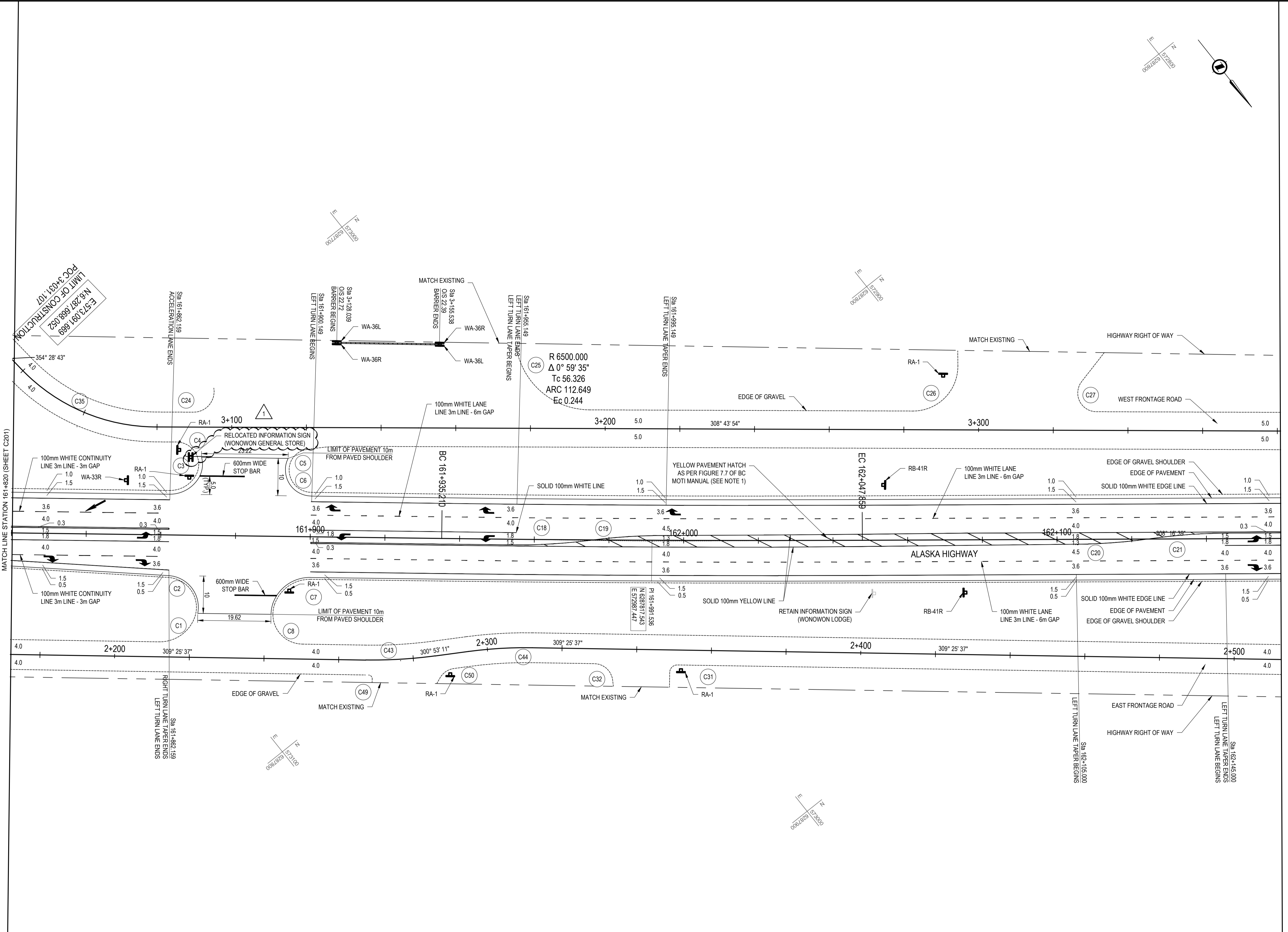
I:\Local\alLegacy\Transportation\TRN\VHMV\Projects\TRN\VHMV\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C201-204 GEOMETRICS & LANING.dwg [C201] August 21, 2018 3:45:27 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



LIMIT OF CONSTRUCTION
 EST 21,001,889
 N 62° 28' 10" W
 34.031,107



MATCH LINE STATION 162+160 (SHEET C203)

PROFESSIONAL ENGINEER
 X. L. LIU
 # 29829
 BRITISH COLUMBIA
 2017/08/20

H: 0 5 1:500 25m
 V: 0 5 1:500 25m

1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25
Revision/	Description/Description	Date/Date

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
 Designed by/Concept par
E.YANG
 Drawn by/Dessine par
E.WILLIAMS
 PWSC Project Manager/Administrateur de Projets TPSCG
V.WONG
 PWSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCG
 Client/client
PUBLIC WORKS GOVERNMENT SERVICES CANADA
 Drawing title/Titre du dessin

Project No./No. du projet R.017173.321	Sheet/Fauille C202	Revision no./La Révision no. 1
OF		

DESIGN SPEED:
ALASKA HWY 70 km/h

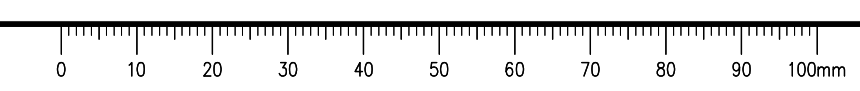
DESIGN VEHICLE: WB-20

FOR PLAN / PROFILES SEE SERIES C100

FOR TYPICAL SECTIONS SEE SERIES C300

SEE C204 FOR SIGN SUMMARY TABLE AND CURVE DATA

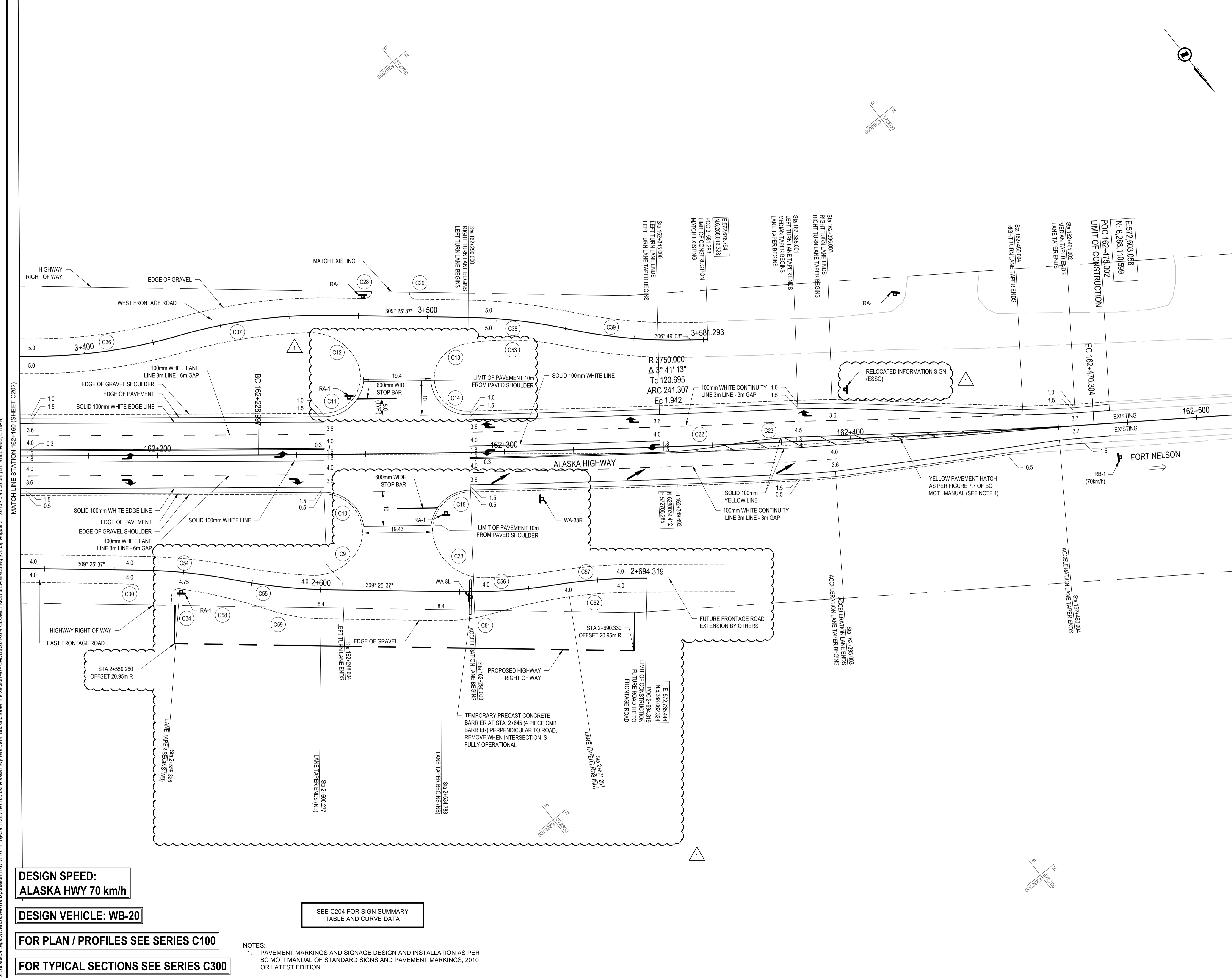
NOTES:
 1. PAVEMENT MARKINGS AND SIGNAGE DESIGN AND INSTALLATION AS PER BC MOTI MANUAL OF STANDARD SIGNS AND PAVEMENT MARKINGS, 2010 OR LATEST EDITION.



I:\Local\al\Legacy\Transportation\TRN\VHW\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C201-204 GEOMETRICS & LANNING.dwg [C202] August 21, 2016 - 3:45:32 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



PROFESSIONAL ENGINEER
 X. L. LIU #29829
 BRITISH COLUMBIA
 2018/07/25

H: 0 5 1:500 25m
 V: 0 5 1:500 25m

Revision/Revisão	Description/Description	Date/Date
1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25

Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
 Designed by/Concept par
E.YANG
 Drawn by/Dessine par
E.WILLIAMS
 PWGSC Project Manager/Administrateur de Projets TPSCG
V.WONG
 PWGSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCG

Client/Client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
GEOMETRICS, LANING, SIGNAGE & PAVEMENT MARKINGS STA.162+160 TO STA.162+475.002

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C203 OF	1

**DESIGN SPEED:
 ALASKA HWY 70 km/h**

DESIGN VEHICLE: WB-20

FOR PLAN / PROFILES SEE SERIES C100

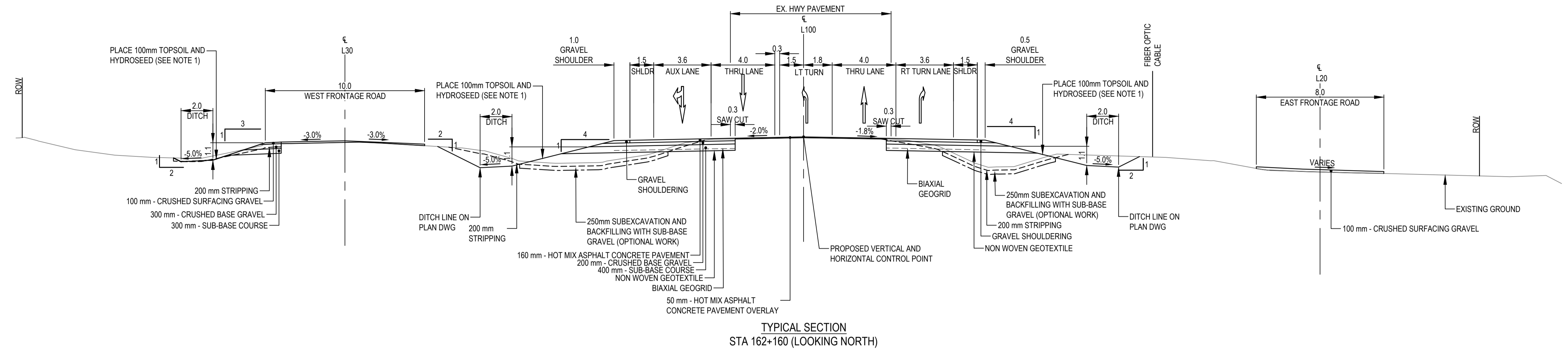
FOR TYPICAL SECTIONS SEE SERIES C300

SEE C204 FOR SIGN SUMMARY TABLE AND CURVE DATA

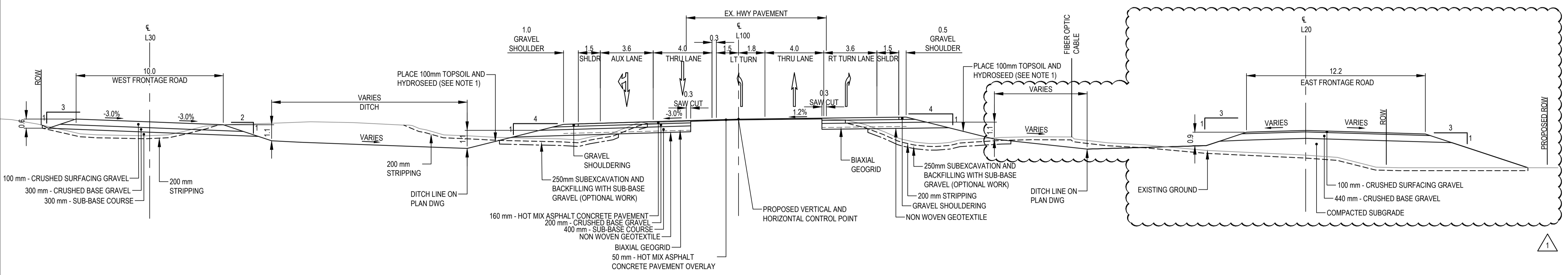
NOTES:
 1. PAVEMENT MARKINGS AND SIGNAGE DESIGN AND INSTALLATION AS PER BC MOTI MANUAL OF STANDARD SIGNS AND PAVEMENT MARKINGS, 2010 OR LATEST EDITION.

ISSUED FOR TENDER

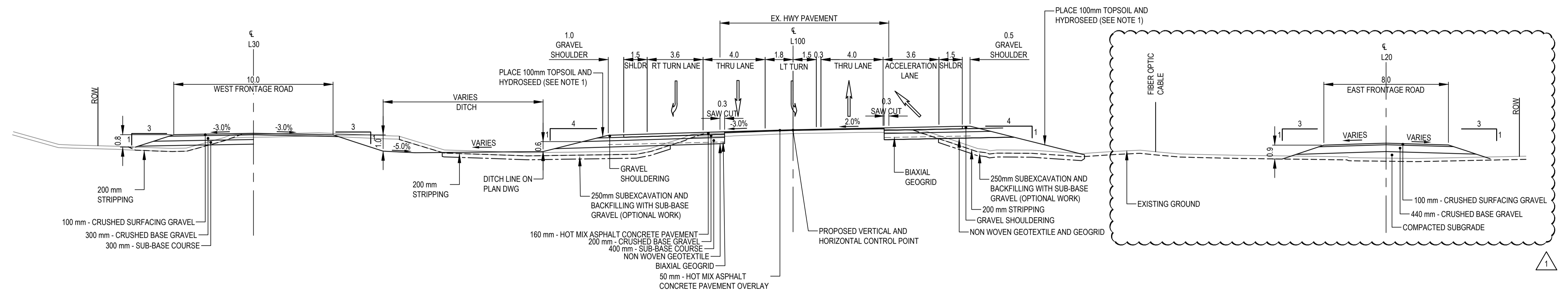
GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



TYPICAL SECTION
 STA 162+160 (LOOKING NORTH)

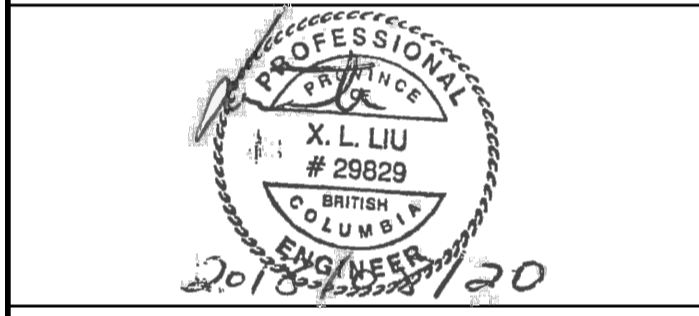


TYPICAL SECTION
 STA 162+240 (LOOKING NORTH)



TYPICAL SECTION
 STA 162+320 (LOOKING NORTH)

- NOTES:**
- HYDROSEED WITH APPROVED NATIVE SEED MIX OVER 100mm OF TOP SOIL ON ALL SLOPES AND DITCH BOTTOMS, AND ALL OTHER DISTURBED AREAS.
 - ANY SOFT SPOTS OBSERVED DURING FILL PLACEMENT SHALL BE SUBEXCAVATED AND REPLACED WITH COMPACTED SUB-BASE GRAVEL BEFORE EMBANKMENT FILL IS CONSTRUCTED. SEE SPECS 31 24 13.
 - CONCRETE BASE OF NEW LIGHT POLES TO BE 0.5m MINIMUM TO EDGE OF PAVEMENT FROM THE NEAREST EDGE OF CONCRETE BASE. SEE DETAILS ON DRAWING C303.
 - BIAIXIAL GEOGRID PLACEMENT FROM SAW CUT LINE TO GRAVEL SHOULDER EDGE POINT.
 - NON WOVEN GEOTEXTILE PLACEMENT FROM SAW CUT LINE TO FILL SLOPE.



H: 0 1 1:100 5m
 V:

1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25

Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project Title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
 Designed by/Concept par
E.YANG
 Drawn by/Dessine par
E.WILLIAMS
 PWGSC Project Manager/Administrateur de Projets TPSCC
V.WONG
 PWGSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCC

Client/Client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

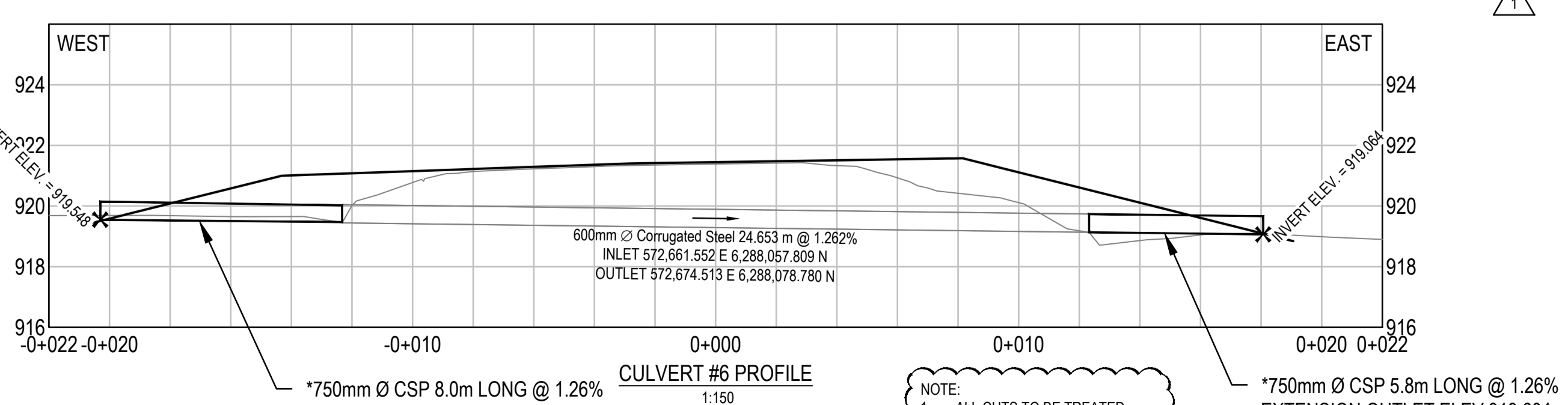
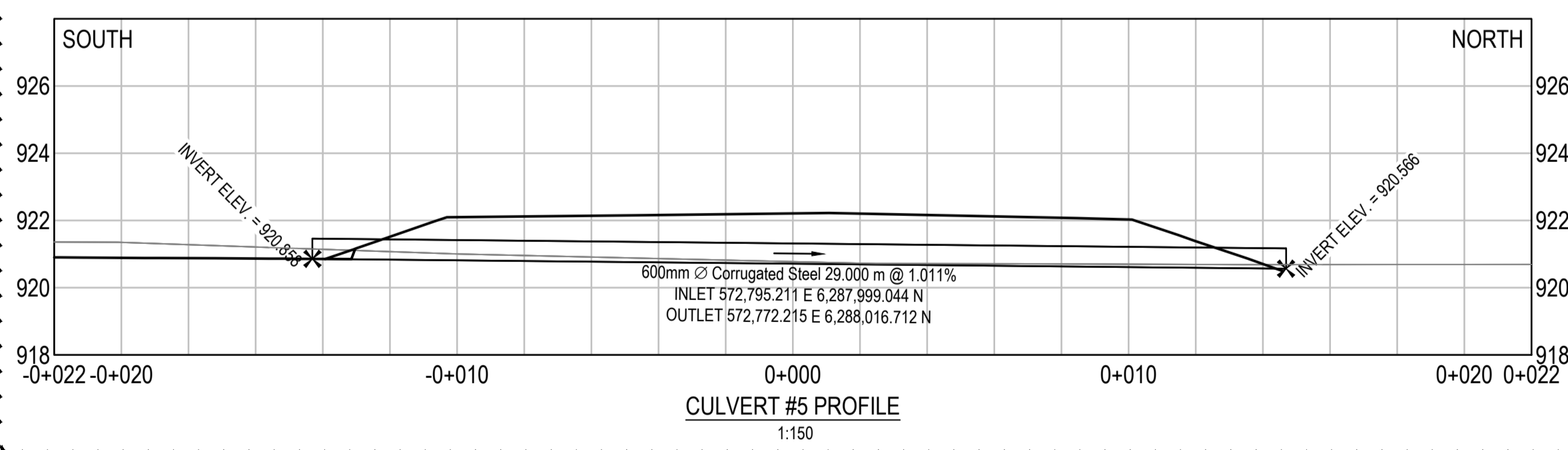
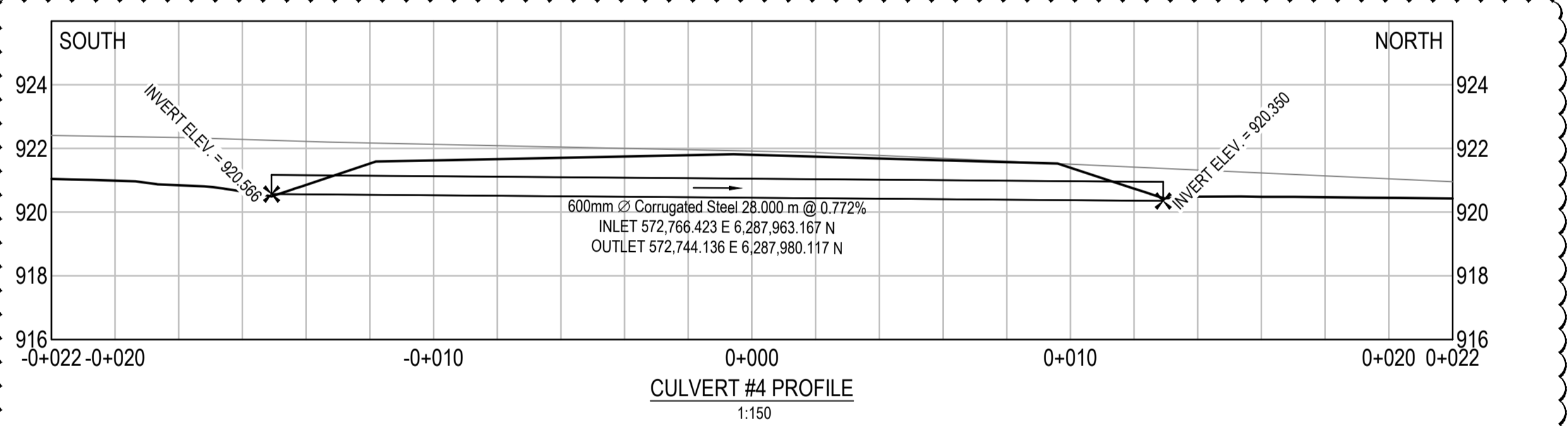
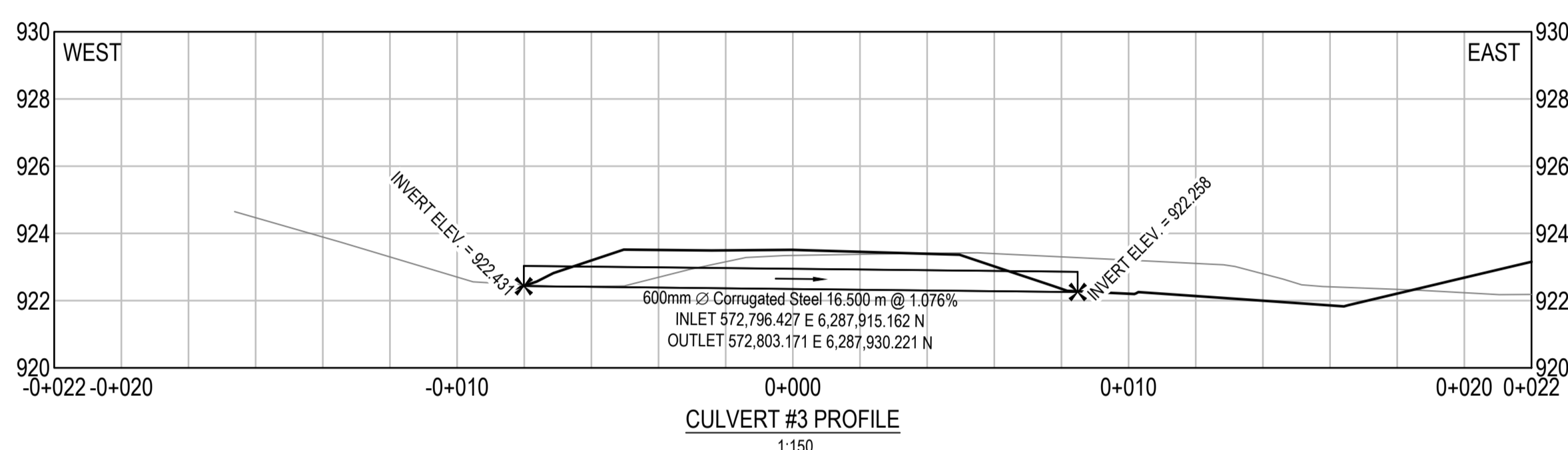
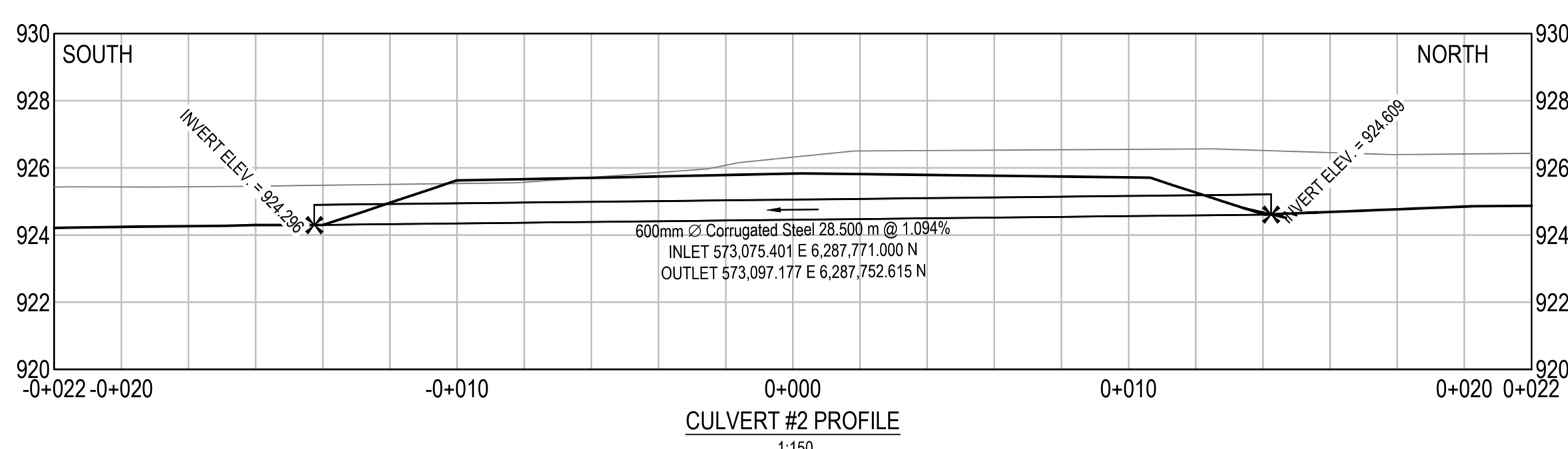
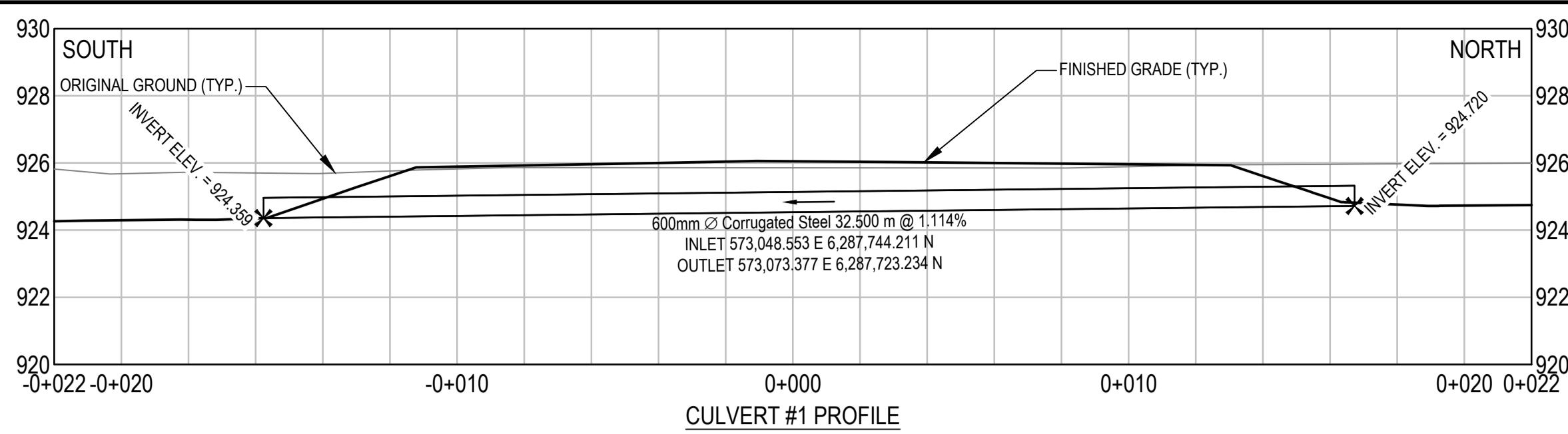
Drawing Title/Titre du dessin
TYPICAL SECTIONS & DETAILS

Project No./No. du projet R.017173.321	Sheet/Fauille C302 OF	Revision no./La Révision no. 1
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I:\Local\LocalLegacy\ Vancouver\Transportation\TRN\VHW\Projects\TRN\VHW\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C301-302 TYPICAL SECTIONS.dwg [C302] August 21, 2018 - 3:46:20 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

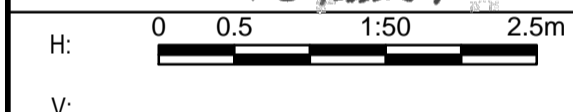
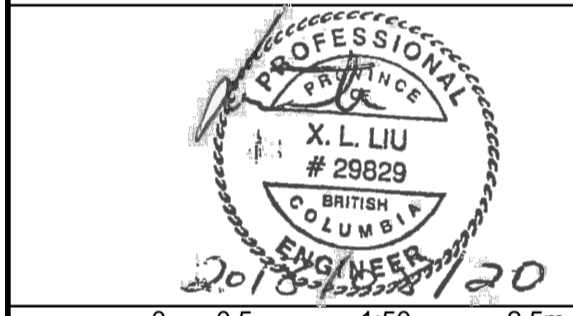
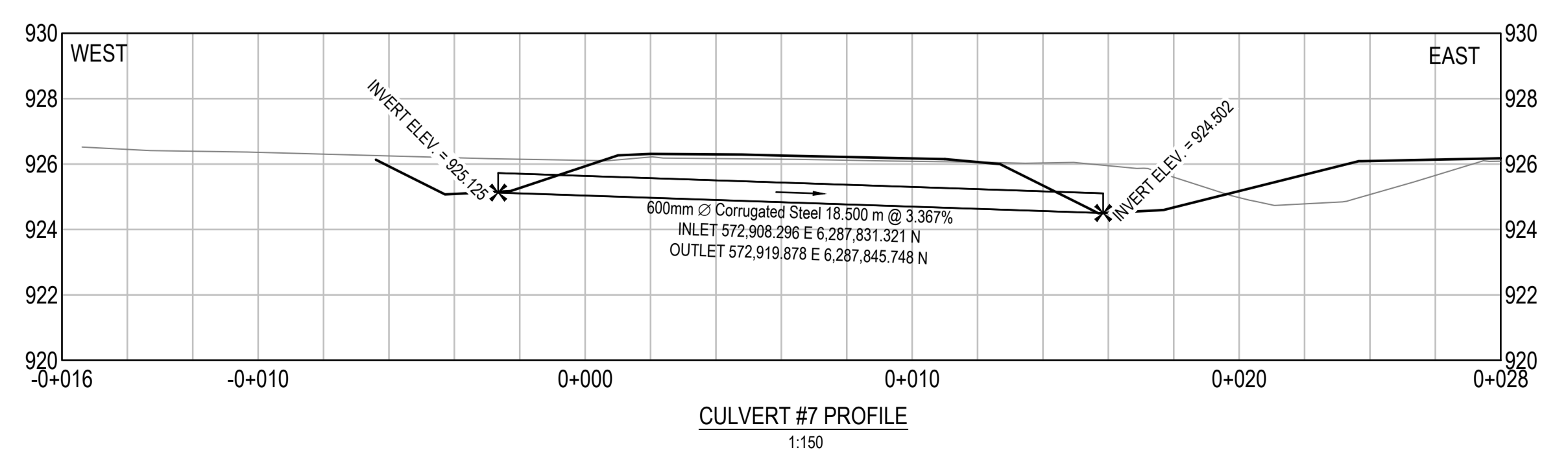
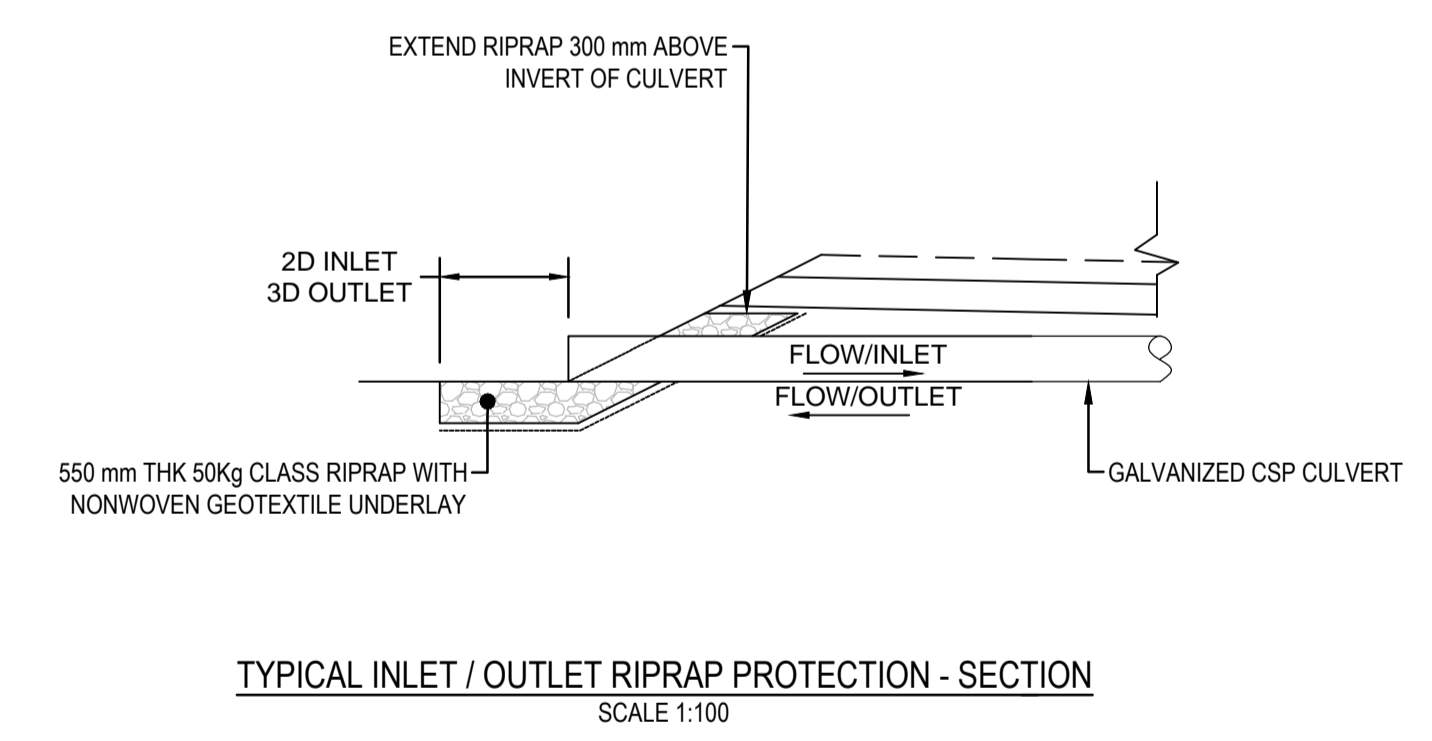
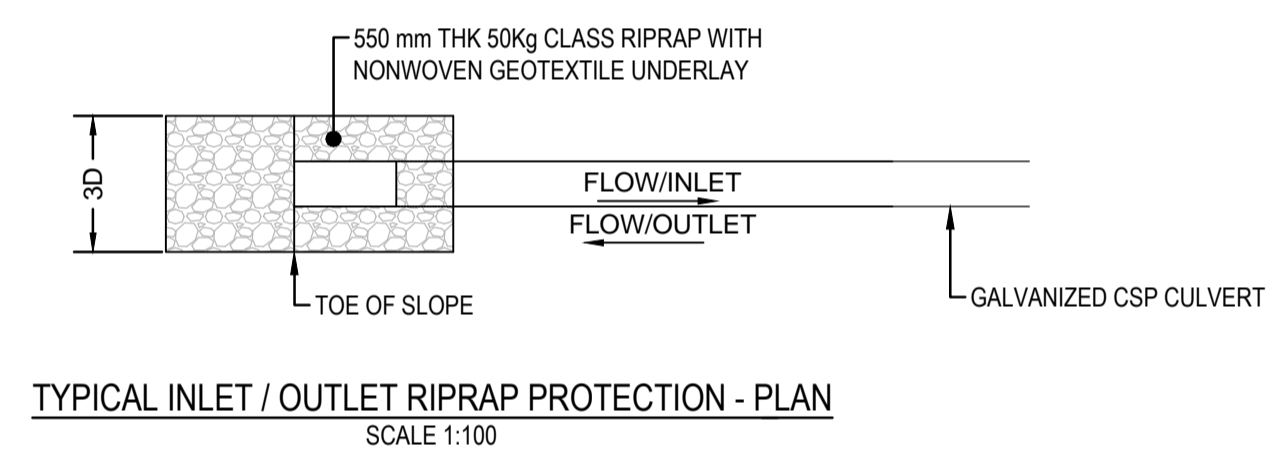
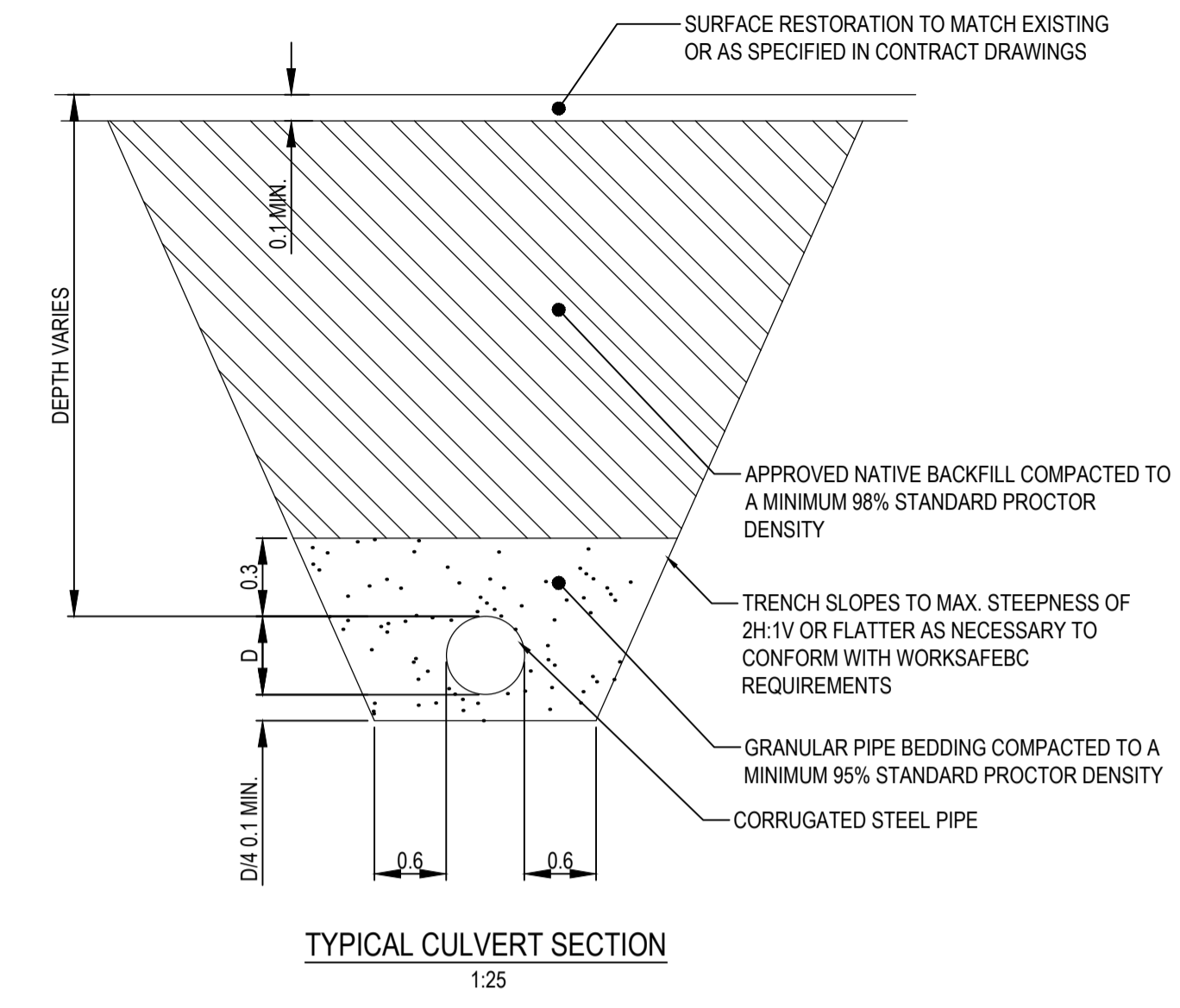
- GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



NOTE:
 1. ALL CUTS TO BE TREATED WITH ZINC RICH PAINT FOR EXISTING CULVERT EXTENSION

*CONTRACTOR TO VERIFY CULVERT SIZE IN FIELD BEFORE CONSTRUCTION

FOR PLAN / PROFILES SEE SERIES C100



H:	0	0.5	1.50	2.5m
V:				
1	ISSUED FOR ADDENDUM 1	18/08/20		
0	ISSUED FOR TENDER	18/07/25		
Revision/	Description/Description	Date/Date		

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
 Designed by/Concept par
E.YANG
 Drawn by/Dessine par
E.WILLIAMS
 PWGSC Project Manager/Administrateur de Projets TPSCG
V.WONG
 PWGSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCG
 Client/client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

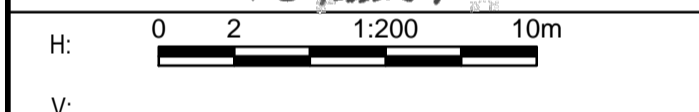
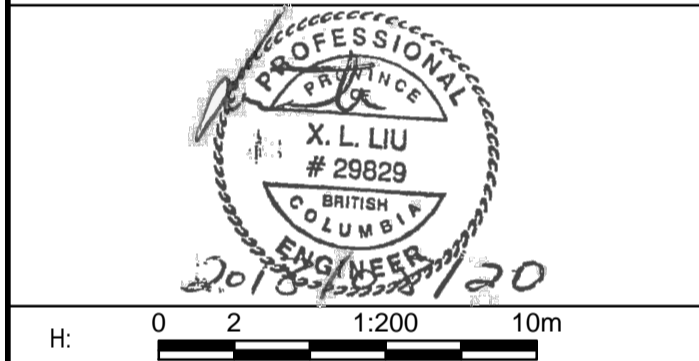
Drawing title/Titre du dessin
TYPICAL SECTIONS & DETAILS CULVERTS

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C304	1
	OF	

I:\Local\alLegacy\Vanouver\Transportation\TRN\VHMV\Projects\TRN\VHMV\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C303-304 BARRIER & CULVERT DETAILS.dwg [C304] August 21, 2018 - 3:46:39 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

GENERAL NOTES:
 1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



H:	0	2	1:200	10m
V:				
1	ISSUED FOR ADDENDUM 1			18/08/20
0	ISSUED FOR TENDER			18/07/25
Revision/	Description/Description	Date/Date		

Client/Client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



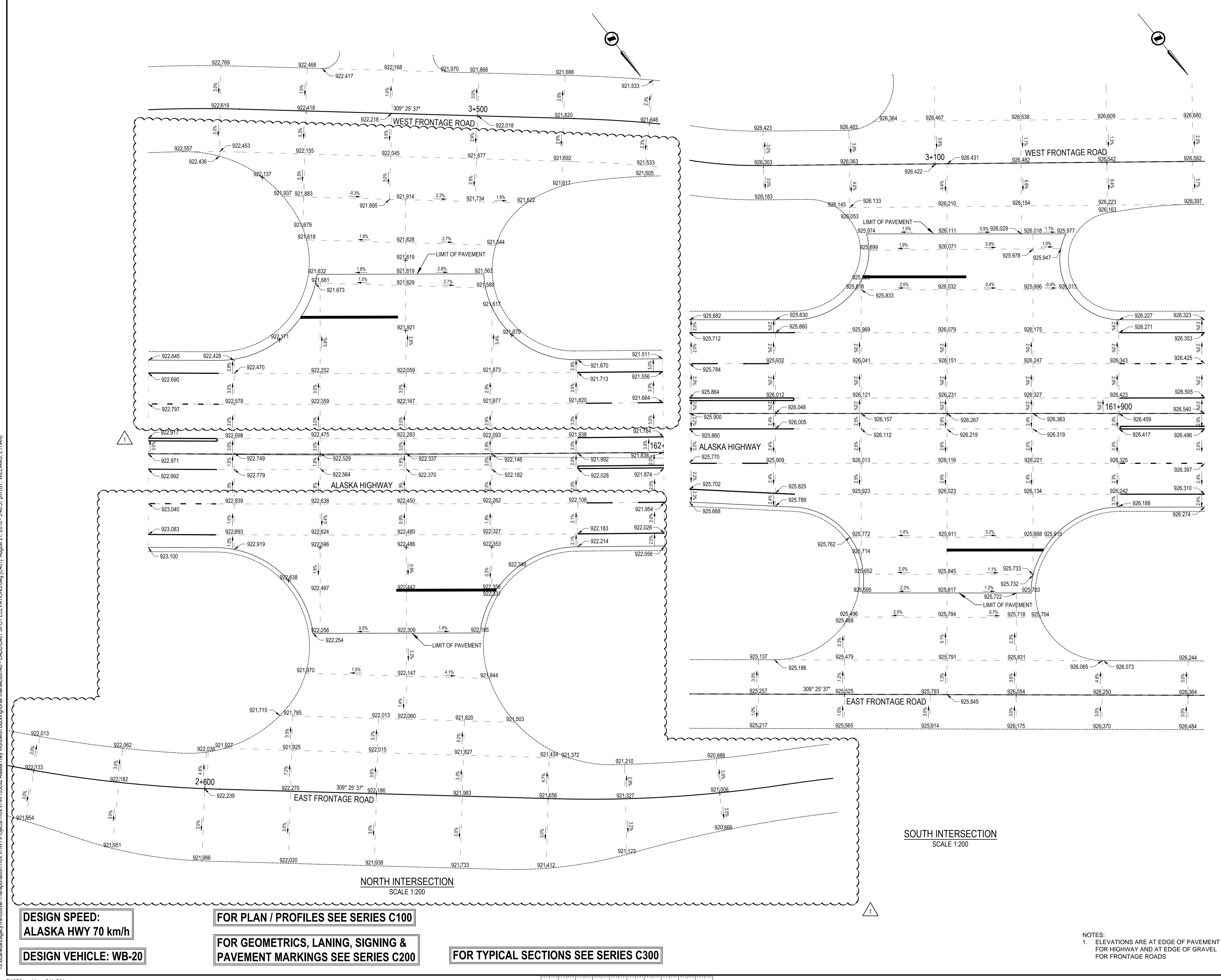
Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approuvé par
R.LIU
 Designed by/Concept par
E.YANG
 Drawn by/Dessiné par
E.WILLIAMS
 PWGSC Project Manager/Administrateur de Projets TPSCC
V.WONG
 PWGSC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCC

Client/Client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
SPOT ELEVATIONS NORTH & SOUTH INTERSECTIONS

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.017173.321	C401 OF	1



I:\local\al\Legacy\Vancover\Transportation\TRN\VHW\0392 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C401 SPOT ELEVATIONS.dwg (C401) August 21, 2018 - 3:46:57 pm (BY: WILLIAMS, ETHAN)

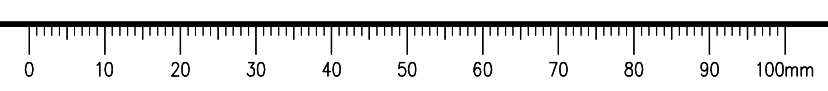
DESIGN SPEED:
ALASKA HWY 70 km/h
DESIGN VEHICLE: WB-20

FOR PLAN / PROFILES SEE SERIES C100

FOR GEOMETRICS, LANING, SIGNING & PAVEMENT MARKINGS SEE SERIES C200

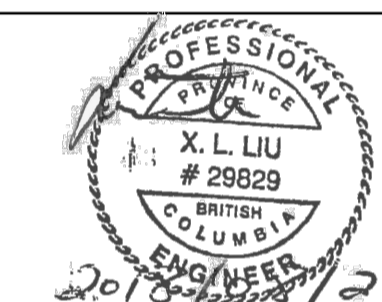
FOR TYPICAL SECTIONS SEE SERIES C300

NOTES:
 1. ELEVATIONS ARE AT EDGE OF PAVEMENT FOR HIGHWAY AND AT EDGE OF GRAVEL FOR FRONTAGE ROADS



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



H:		
V:		
1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25
Revision/	Description/Description	Date/Date
Client/client		

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



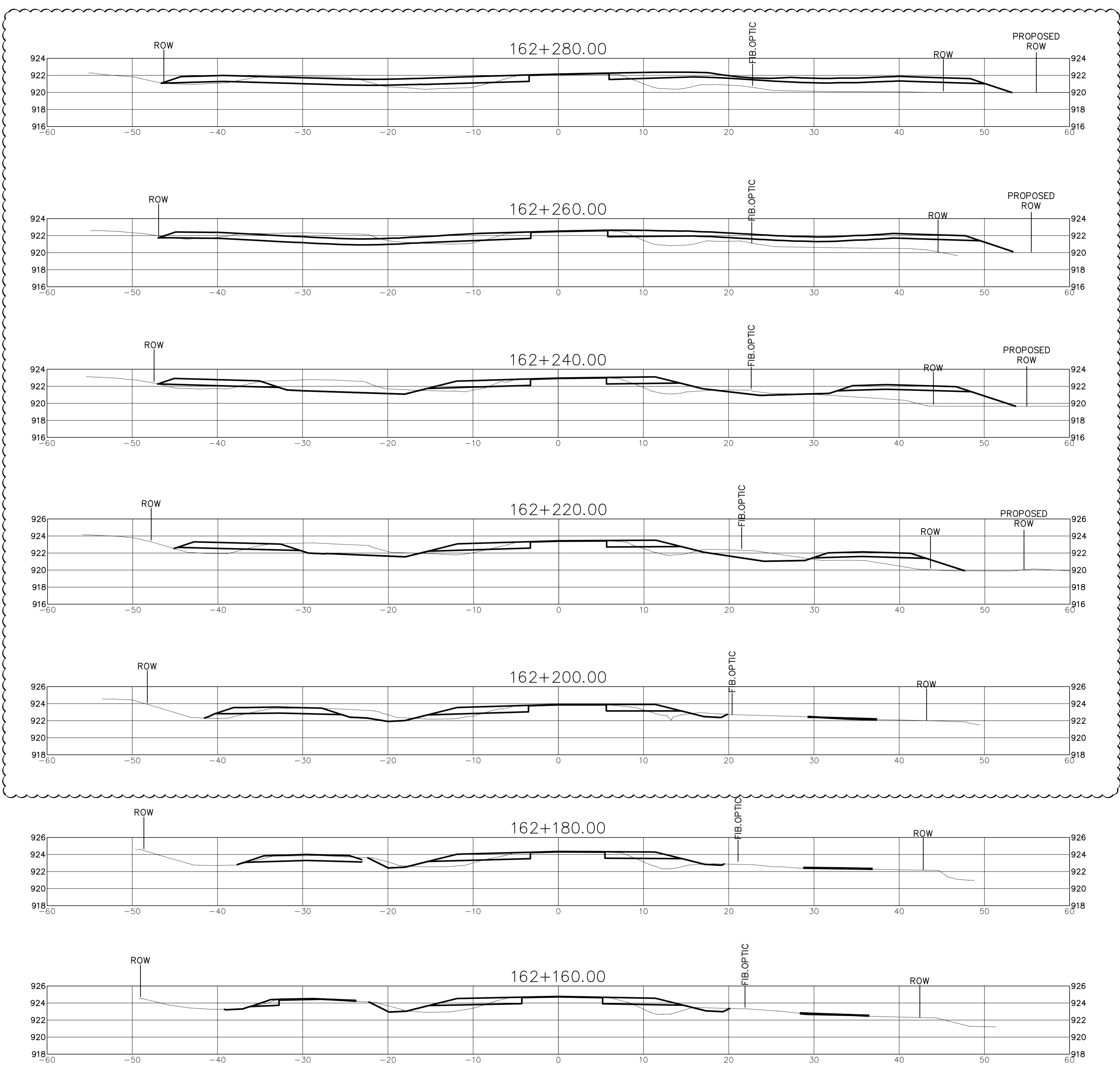
Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU
Designed by/Concept par
E.YANG
Drawn by/Dessine par
E.WILLIAMS
PWSC Project Manager/Administrateur de Projets TPSCC
V.WONG
PWSC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCC

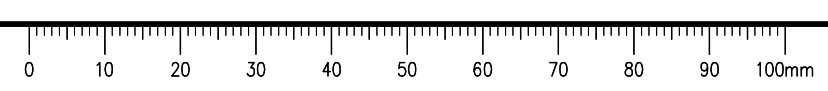
Client/client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
CROSS SECTIONS STA 162+160.000 TO STA 162+280.000

Project No./No. du projet R.017173.321	Sheet/Fauille C505 OF	Revision no./La Révision no. 1
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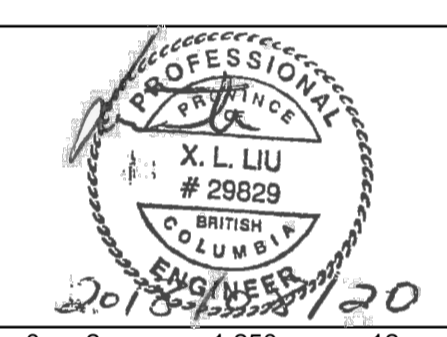


I:\Local\alal\Legacy\Transportation\TRN\VHMV\Projects\TRN\VHMV\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C301-506 CROSS SECTIONS.dwg (5/56) August 21, 2018 - 3:47:09 pm (BY: WILLIAMS, ETHAN)



ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25
Revision/	Description/Description	Date/Date
Client/client		

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet

WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU

Designed by/Concept par
E.YANG

Drawn by/Dessine par
E.WILLIAMS

PWSC Project Manager/Administrateur de Projets TPSC
V.WONG

Client/client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

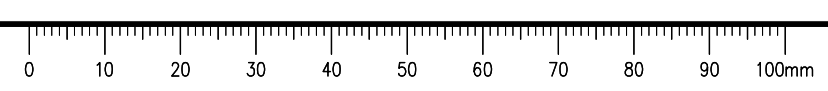
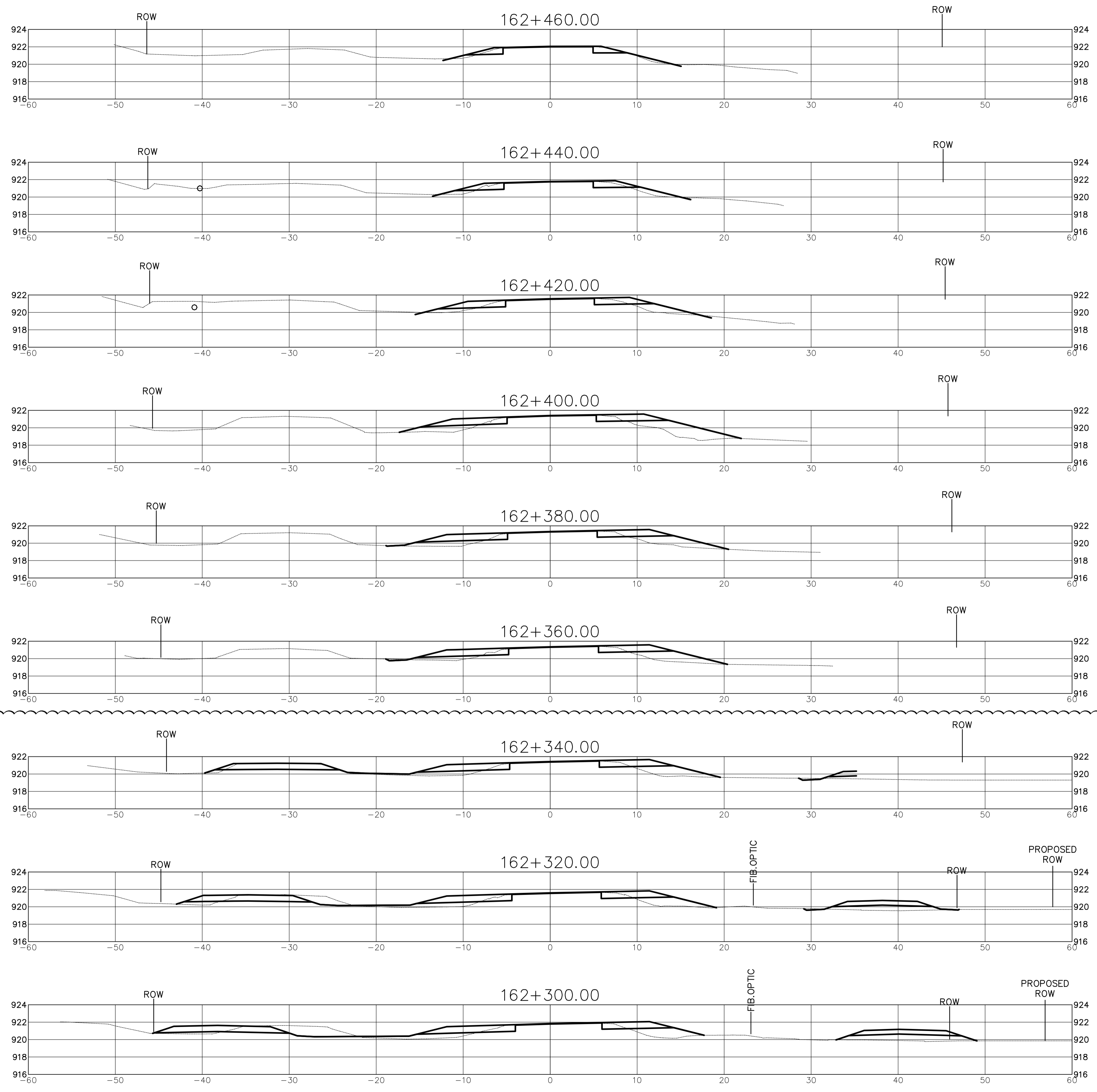
Drawing title/Titre du dessin
CROSS SECTIONS

STA 162+300.000 TO STA 162+460.000

Project No./No. du projet
R.017173.321

Sheet/Fauille
C506

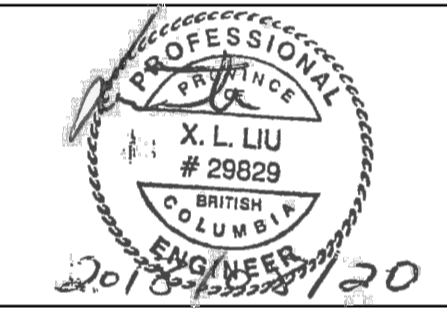
Revision no./La Révision no.
1



I:\Local\alal\Legacy\Vanouver\Transportation\TRN.VHMY\Projects\TRN.VHMY\03092 Alaska Hwy Wonwon Buckinghorse Intersection\40 - CADD\C301-506 CROSS SECTIONS.dwg (5/6) August 21, 2018 - 3:47:12 pm (BY: WILLIAMS, ETHAN)

ISSUED FOR TENDER

- GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION
 3. DESIGN IS BASED ON SURVEY BY APEX SURVEYING SOLUTIONS LTD., RECEIVED OCTOBER 17, 2017



H:		
V:		
1	ISSUED FOR ADDENDUM 1	18/08/20
0	ISSUED FOR TENDER	18/07/25
Revision/	Description/Description	Date/Date
Revised/		

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA



Project title/Titre du projet
WONWON INTERSECTION IMPROVEMENTS ALASKA HIGHWAY, BC

Approved by/Approve par
R.LIU

Designed by/Concept par
E.YANG

Drawn by/Dessine par
E.WILLIAMS

PWGC Project Manager/Administrateur de Projets TPSCC
V.WONG

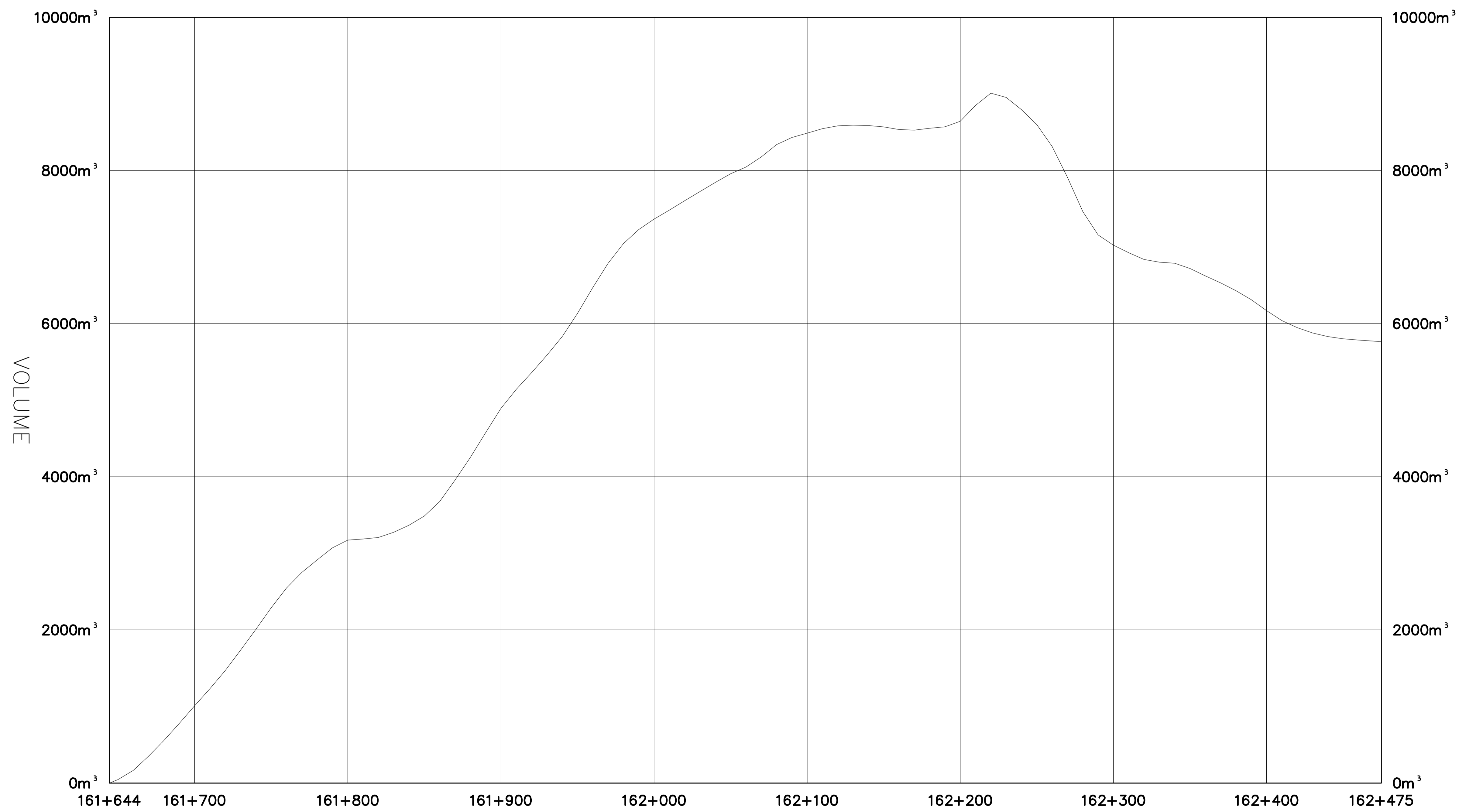
PWGC Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'Ingénierie, TPSCC

Client/client
PUBLIC WORKS GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin
MASS HAUL DIAGRAM

Project No./No. du projet R.017173.321	Sheet/Fauille C601 OF	Revision no./La Révision no. 1
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WONOWON INTERSECTION IMPROVEMENTS – MASS HAUL DIAGRAM



- NOTES:
1. THE MASS HAUL DIAGRAM IS FOR THE CONTRACTOR'S INFORMATION ONLY AND IS NOT INTENDED FOR PAYMENT. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS, STOCKPILES AND DISPOSAL OF WASTE MATERIALS.
 2. THE MASS HAUL DIAGRAM REPRESENTS THE NET VOLUMES OF CUT AND FILL QUANTITIES, IE. THE NET VOLUME OF TOTAL COMMON EXCAVATION AND EMBANKMENT FILL.
 3. A SHRINKAGE FACTOR OF 15% FOR THE EMBANKMENT FILL IS USED IN DETERMINING THE "COMMON EXCAVATION (REUSE)" AND "COMMON EXCAVATION (WASTE)" IN THE UNIT PRICE TABLE. THE SURPLUS INCLUDES 2,065m³ COMMON EXCAVATION (WASTE) AND 3,750m³ SUB-BASE COURSE (FROM COMMON EXCAVATION).

I:\Local\aaal\Legacy\Vanouver\Transportation\TRN\VHW\03092 Alaska Hwy Wonowon Buckinghorse Intersection\40 - CADD\C601 MASS HAUL DIAGRAMS.dwg [C601] August 21, 2018 - 3:47:21 pm (BY: WILLIAMS, ETHAN)

