Alaska Hwy Km 325-355 & 520-555 Addendum 001
Paving and Miscellaneous Works
Project No. R.116050.001 2021-05-11

The following changes in the tender documents are effective immediately. This addendum will form part of the Contract documents.

Questions from Bidders and Responses

Question 1: Could you please clarify which mix design is required for which part of the project. ie: is km 325-355 the 12.5mm mix and km 520-555 is the 16mm mix?

Response 1: The mix design for each part of the project is at the Contractor's preference. ie. either a 12.5 mm mix or a 16 mm mix can be used for the Km 325-355 paving and either a 12.5 mm mix or a 16 mm mix can be used for the Km 520-555 paving. A separate mix design submission for each section of paving is required.

Explanation of Addendum Presentation: Changes to the Specifications and Changes to the Contract Drawings sections of this Addendum have been presented as follows:

- *New text has been underlined for ease of identification.*
- *Removed text has a "strikethrough" and is to be deleted from the text.*

Changes to the Specifications:

1. Section – Table of Contents

Delete:

List of Contract Drawings.

Insert:

List of Contract Drawings:

LIST OF CONTRACT DRAWINGS

No.	Title	Drawing Number	Revision Number
0	COVER PAGE	C0000	0
1	PROJECT LOCATION PLAN & DRAWING INDEX	C0001	1
2	KM 325 – 355: PROJECT KEY PLAN	C0002	1
3	KM 520 – 555: PROJECT KEY PLAN	C0003	1
4	LEGEND & CONTROL MONUMENT LOCATIONS	C0004	1
5	PLAN / PROFILE STA. 324+640 TO STA. 355+360	C1101 – C1147	0 / 1
6	PLAN / PROFILE STA. 519+700 TO STA. 555+160	C1201 – C1254	0 / 1
7	TYPICAL SECTIONS – FULL DEPTH RECLAMATION	C1301	0
8	TYPICAL SECTIONS – KM 325 PAVEMENT SHOULDER WIDTH TRANSITION & STANDARD BARRIER FLARE TERMINAL	C1302	1

9	ASPHALT PAVEMENT TIE-IN & TRANSITION DETAILS	C1303	0
10	PAINT MARKING DETAILS	C1304	1
11	ACCESS ROAD DETAILS	C1305	1
12	RUMBLE STRIP DETAILS	C1306	0
13	TYPICAL SECTIONS – FULL PAVEMENT RECONSTRUCTION	C1307	1
14	KM 525.4 CHAIN UP AREA PLAN / PROFILE	C1501	1
15	KM 525.4 CHAIN UP AREA TYPICAL SECTIONS	C1502	1
16	KM 525.4 CHAIN UP AREA CROSS SECTIONS	C1503 – C1505	1
17	KM 533.1 REST STOP PLAN / TYPICAL SECTION	C1511	1
18	KM 533.1 REST STOP CROSS SECTIONS	C1512 – C1513	1
19	KM 535.2 REST STOP DECOMMISSIONING PLAN	C1521	1
20	KM 545 EMBANKMENT BORROW AREA PLAN	C1551	1
21	KM 545 EMBANKMENT BORROW AREA TYPICAL SECTION AND DETAIL	C1552	1
22	KM 545 EMBANKMENT BORROW AREA CROSS SECTIONS	C1553-C1555	1
23	KM 546.8 CHAIN UP AREA PLAN / PROFILE	C1561	1
24	KM 546.8 CHAIN UP AREA TYPICAL SECTION AND DETAIL	C1562	1
25	KM 546.8 CHAIN UP AREA TYPICAL SECTIONS	C1563	1
26	KM 546.8 CHAIN UP AREA CROSS SECTIONS	C1564-C1566	1
27	KM 326.86 – KM 327.11 DITCH AND SLOPE RECONSTRUCTION PLAN / TYPICAL SECTION	C1601	1
28	KM 326.86 – KM 327.11 DITCH AND SLOPE RECONSTRUCTION CROSS SECTIONS	C1602 – C1604	1

29	KM 346 – KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT PLAN STA. 346+415 TO 348+190	C1611 – C1613	1
30	KM 346 – KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT TYPICAL SECTIONS	C1614	1
31	KM 346 – KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT CROSS SECTIONS	C1615 – C1618	1
32	KM 353.66 EMBANKMENT RECONSTRUCTION PLAN / TYPICAL SECTION	C1621	1
33	KM 354.0 – KM 354.6 DITCH RE-ESTABLISHMENT PLAN / TYPICAL SECTION	C1631	1
34	KM 354.0 – KM 354.6 DITCH RE-ESTABLISHMENT CROSS SECTIONS	C1632 – C1633	1
35	KM 528.2 SAG CURVE RECONSTRUCTION PLAN / PROFILE	C1701	1
36	KM 528.2 SAG CURVE RECONSTRUCTION TYPICAL SECTION	C1702	1
37	KM 528.2 SAG CURVE RECONSTRUCTION CROSS SECTIONS	C1703 – C1706	1
38	KM 545.3 SLOPE RECONSTRUCTION PLAN	C1711	1
39	KM 545.3 SLOPE RECONSTRUCTION TYPICAL SECTIONS AND DETAILS	C1712	1
40	KM 545.3 SLOPE RECONSTRUCTION CROSS SECTIONS	C1713 – C1716	1
41	KM 534.43 CULVERT PLAN / PROFILE / TYPICAL	C1801	1
42	KM 534.43 CULVERT CROSS SECTIONS	C1802	1
43	KM 546.7 CULVERT PLAN / PROFILE	C1811	1
44	KM 546.7 CULVERT TYPICAL SECTIONS	C1812	1
45	KM 546.7 CULVERT CROSS SECTIONS	C1813 – C1814	1

2. Section 01 11 10 – Summary of Work

Insert:

1.2 – Work Covered By Contract Drawings:

.1.4 Km 326 Full Pavement Reconstruction: Excavation, Sub-base Course, Crushed Base Gravel, and Placement of Hot Mix Asphalt Concrete Pavement.

.1.5 Km 326.86 – Km 327.11 Ditch and Slope Reconstruction: Stripping, Excavation, Common Fill, and Topsoil.

.1.6 Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment: Stripping, Tree Clearing, Excavation, and Topsoil.

.1.7 Km 353.66 Embankment Reconstruction: Stripping, Excavation, Sub-base Course, and Topsoil.

.1.8 Km 354.0 – Km 354.6 Ditch Re-establishment: Excavation.

.1.9 Km 525.4 Rest Stop: Excavation, Sub-base Course, Crushed Base Gravel, Hot Mix Asphalt Concrete Pavement, Culvert Replacement, and Gravel Shouldering.

.1.10 Km 528.2 Sag Curve Reconstruction: Full Depth Reclamation, Stripping, Embankment, Sub-base Course, Crushed Base Gravel, Topsoil, and Hot Mix Asphalt Concrete Pavement.

.1.11 Km 533.1 Rest Stop: Excavation, Crushed Base Gravel, Hot Mix Asphalt Concrete Pavement, Temporary Stockpile and Re-installation of Pre-cast Concrete Barriers, and Gravel Shouldering.

.1.12 Km 534.43 Culvert: Extend Culvert Inlet/Outlet, Inlet/Outlet Ditching, and Riprap End Protection.

.1.13 Km 535 Rest Stop Decommissioning: Removal and Relocation of Pre-cast Concrete Barriers, and Scarification of Existing Surface.

.1.14 Km 545 Embankment Borrow Area: Signs and Garbage Bin Relocation, Geotechnical Investigation and Reporting, Excavation, Removal and Disposal of Culverts, Removal and Disposal of Concrete Bases and Ditch Re-establishment.

.1.15 Km 545.3 Slope Reconstruction: Excavation, Installation of Ditch Culvert, and Riprap End Protection.

.1.16 Km 546.7 Culvert: Ditching and Riprap End Protection.

.1.17 Km 546.8 Chain Up Area: Clearing and Grubbing, Stripping, Excavation, Install Culverts, Riprap End Protection, Install Swale, Embankment, Crushed Base

Gravel, Sub-base Course, Hot Mix Asphalt Concrete Pavement, Asphalt Prime, Asphalt Tack Coat, and Gravel Shouldering.

.1.18 Multiple Locations 325 - 355: Hydraulic Seeding of disturbed areas.

.1.19 Multiple Locations 520 - 555: Hydraulic Seeding of disturbed areas.

Insert:

1.2 – Work Covered By Contract Drawings:

.3.18 Clearing and removal through burning or chipping of trees, brush, and other vegetation within the designated construction footprint.

.3.19 Grubbing of stumps within the designated construction footprint.

.3.20 Stripping of topsoil material, temporary stockpile, and reuse as topsoil.

.3.21 Culvert ditching including excavation, transport, and disposal of excess material (waste) offsite.

.3.22 Culvert end protection including supply and installation of riprap.

.3.23 Culvert extensions.

.3.24 Reconstruction of existing gravel rest stops in preparation for paving including excavation and offsite disposal, and supply, placement, and compaction of crushed base gravel.

.3.25 Reconstruction/relocation of a gravel chain up area including clearing and grubbing, excavation and hauling, offsite disposal of unsuitable material, supply, placement, and compaction of common fill, sub-base course, and crushed base gravel, relocation of existing signs and garbage bins, and placement of topsoil.

.3.26 Restoration to preconstruction conditions of all disturbed areas, replacement of Topsoil (if removed or disturbed during the work), and Hydraulic Seeding of disturbed areas.

Delete:

2.1 – Owner Supplied Materials:

.1 ~~The Owner will not supply any materials for use on this project.~~

Insert:

2.1 – Owner Supplied Materials:

.1 PSPC is providing "as is" in situ material located at the Km 545 Embankment Borrow Area and the Km 545.3 Slope Reconstruction for use as embankment by the Contractor on this project. The suitability and use of the Km 545 Embankment Borrow Area will be determined upon submission and review of the Contractor's geotechnical report (see Section 31 24 14 – Excavation, Embankment, and Topsoil for details).

.2 PSPC is providing riprap located at Wood Creek Quarry (Km 651.0) for use by the Contractor on this project (see Section 31 37 00 – Ripap for details).

Delete:

3.2 – Work Completion:

.3 Achieve Substantial Performance by September 30, 2021.

Insert:

3.2 – Work Completion:

.3 Achieve Substantial Performance by September 30, 2021. The Contractor shall be responsible to ensure sufficient equipment and personnel are mobilized to site and work is undertaken simultaneously in all areas as needed to achieve this deadline. See Item 3.5 – Sequence of Work in this Contract Specification and Item 1.9 – Construction Staging in Contract Specification Section 01 14 10 – Work Restrictions, Access Development, Construction Signage, and Restoration.

Delete:

3.6 – Survey:

.2.2 The Contractor shall document any discrepancies or changes needed ~~to achieve the Full Depth Reclamation Regrading cut/fill values shown in the Finished Grading Tables and provide to the Departmental Representative for review and acceptance a minimum of 7 days of starting the work.~~

.4 All layout surveys, quantity surveys, and as-built surveys shall be ~~considered incidental to the work and not measured for payment.~~

Insert:

3.6 – Survey:

.2.2 The Contractor shall document any discrepancies or changes needed to the Finished Grading Tables (Appendix I) to achieve the Full Depth Reclamation Regrading design which maximizes the reuse of existing gravels (with minimal side casting), utilizes imported material only where needed (as indicated on the Contract Drawings), provides for a smooth and comfortable ride, achieves the design crossfall and superelevations and achieves the design requirements as provided in

Table 01 10 01 - 01. The Contractor shall provide updates to the Finished Grading Tables to the Departmental Representative for review and acceptance a minimum of 7 days prior to starting the work.

The Full Depth Reclamation Design will require the reshaping and repositioning (cut high areas and fill low areas) of BST/granular material resulting from base preparation process, including the repositioning of existing gravels from one side of the highway to the other.

In all instances, the Contractor remains responsible for achieving the Hot Mix Asphalt Concrete Pavement smoothness requirements shown in Table 32 12 16 – 11 (see Item 4.8 – Smoothness in Section 32 12 16 – Hot Mix Asphalt Concrete Pavement for details).

Table 01 10 01 – 01: Full Depth Reclamation Design Criteria

Design Element	Criteria
Proposed Cut/Fill (Original Ground to FDR Regrading Surface)	+/- 20 mm from the values shown for FDR Regrading: Proposed Cut/Fill in the Finished Grading Tables (Appendix I) (1)
K Factor for Posted Speed in Region (Posted Speed = Design Speed)	Transportation Association of Canada – Geometric Design Guide for Canadian Roads: 1. Table 3.3.2 K Factors to Provide Stopping Sight Distance on Crest Vertical Curve 2. Table 3.3.5 K Factors to Provide Minimum Stopping Sight Distance on Sag Vertical Curve Based on Comfort Control

Note:
(1) The Contractor shall provide justification and preapproval from the Departmental Representative for any deviations exceeding these criteria.

.4 All layout surveys, quantity surveys, and as-built surveys shall be measured for payment as per Item 1.3 – Survey, sub-section .1 of Contract Specifications Section 01 29 00 – Payment Procedures.

Delete:

3.9 – Contractor Submittals:

.1.11 Shop Drawings ~~(if applicable, including professional seal for design work required).~~

Insert:

3.9 – Contractor Submittals:

.1.11 Shop Drawings (including Km 546.8 Chain Up Area Signage shop drawings detailing the concrete base and sign connection installation requirements with a P.Eng seal).

.1.18 Km 545 Geotechnical Investigation Report.

3. Section 01 14 00 – Work Restrictions, Access Development, Construction Staging, and Restoration

Insert:

1.9 – Construction Staging:

.1.9 Work at the Km 525.4, Km 536.3, and Km 545.3 Chain Up Areas is scheduled and undertaken in an effort to minimize closure time of the chain up areas and maintain a minimum of single lane access to the Steamboat Maintenance Yard at all times. When necessary the Contractor may close the Chain Up Areas to public vehicles and provided a designated temporary chain up / brake check area as outlined in Section 01 35 00 – Traffic Management.

.1.10 The geotechnical investigation and reporting shall be undertaken as soon as possible following Contract Award, such as to not delay the subsequent works. No extension of time will be considered should the geotechnical investigation delay the work.

1.10 – Restoration:

.5 Hydraulically Seed all disturbed areas and areas designated for Hydraulic Seeding, per Section 32 93 21 – Hydraulic Seeding.

4. Section 01 29 00 – Payment Procedures

Delete:

1.3 – Survey:

.1 Surveys shall be undertaken by the Contractor to verify quantities for payment purposes, or in the case of lump sum items to verify that work has been completed to the design requirements. ~~Survey shall be considered incidental to the work and not measured separately for payment.~~

Insert:

1.3 – Survey:

.1 Surveys shall be undertaken by the Contractor to verify quantities for payment purposes, or in the case of lump sum items to verify that work has been completed to the design requirements. Survey will be paid as described in Item 1.4 – Measurement and Payment in this Contract Specification Section.

1.4 – Measurement and Payment:

.1 Payment for the cost of Survey will be made on the basis of the Price per Unit Bid for Survey in the Bid and Acceptance Form. The Price per Unit Bid shall include all aspects of survey required for the project including layout surveys, quantity surveys, quantity calculations, check of survey control monuments, checks and updates of the Full Depth Reclamation Design (completion of the Pre-construction Full Depth Reclamation Design Verification), as-built surveys, monitoring surveys, and all other survey requirements for the successful completion of the work.

.2 Measurement for Payment for completion of the Survey will be made by Lump Sum based on the percentage of work completed and accepted by the Departmental Representative.

5. Section 01 35 00 – Traffic Management

Insert:

1.4 – Submittals:

.1.1.14 Shall include details of the temporary signage used to identify and control traffic flow in the designated temporary chain up / brake check areas used while the existing Chain Up Areas are closed.

Delete:

Figure 01 35 00 – 02: Wind Resistant Sign Stand.

Insert:

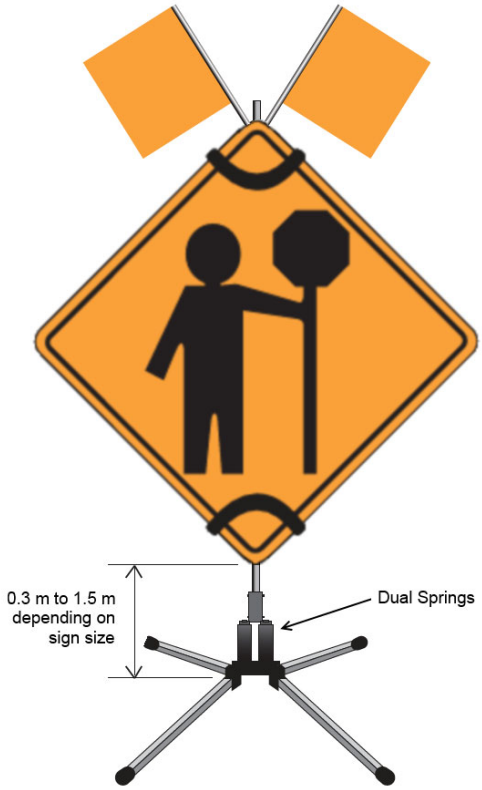

Figure 01 35 00 – 02: Wind Resistant Sign Stand.

Insert:

3.2 – Traffic Management:

.12.3 Work including full depth reclamation, grade work, paving, and decommissioning within the Chain Up Areas at Km 525.4, Km 536.3, and Km 545.3 shall be scheduled in an effort to minimize closure time of the chain up areas and maintain a minimum of single lane access to the Steamboat Maintenance Yard at all times. When necessary the Contractor may close the Chain Up Areas at Km 525.4, Km 536.3, and Km 545.3 to public vehicles. At all times while the chain up areas are closed to public vehicles, the Contractor shall have a designated temporary chain up / brake check area for trucks to stop and check equipment before continuing further. The designated temporary chain up / brake check areas shall be suitable for up to five (5) x WB-20 trucks to be stopped in both directions while allowing for the unimpeded flow of two lane or single lane alternating traffic. The designated chain up / brake check areas shall have a minimum of a 5.5 m width available for trucks to use, shall be identified with signage

(at a minimum signs G-129 and R-046), and the limits and width be delineated with 100 cm tubular markers.

6. Section 01 45 00 – Quality Management

Replace:

1.10 – QC Testing Table 01 45 00 – 01: Minimum QC Testing / Survey Inspection Frequencies with:

Table 01 45 00 - 01: Minimum QC Testing / Survey Inspection Frequencies		
Activity	**Test/Inspection**	**Frequency / Submission Date (1)**
Manufacture – Gravel Shouldering, Crushed Base Gravel, Sub-base Course	Gradation (ASTM C136)	The more stringent of 1 test per 3000 m^3 or 1 test for every 2 hours of manufacturing
Screening / sorting – Riprap	Gradation (ASTM D5519)	1 Test per every 1 day of production
Placement /Site Tolerance – Gravel Shouldering	Survey Inspection	2 survey shots every 20 Stations on each side of road
Placement / Site Tolerance – BST / Crushed Base Gravel (following Full Depth Reclamation), Crushed Base Gravel	Survey Inspection	Final Lift, 5 survey shots along each cross section at 20 m stations
Placement / Site Tolerance – Precast Concrete Barrier	Survey Inspection	1 survey shots for every 20 m of precast concrete barrier placed
Placement / Site Tolerance – Culverts Open Cut Method	Survey Inspection	1 survey shot (invert or top of culvert) every 5 m length of culvert section installed using open cut method
Placement / Site Tolerance – Culverts Trenchless Method	Survey Inspection	1 survey shot (invert of culvert) at inlet and outlet ends, and along the length of the culvert as necessary to confirm the culvert is not reverse graded and within +/- 300 mm of the true line and level along the culvert.
Placement / Site Tolerance – Riprap	Survey Inspection	The more stringent of 6 survey shots for each end of every Riprap Culvert End Protection installation or One (1) survey point every 5 m2 or design change in grade of placed material.
Placement /Site Tolerance – Sub-base Course, Embankment	Survey Inspection	3 survey shots along each cross section at 20 m stations

Placement / Site Tolerance – Reused Excavated Material	Survey	1 survey shot a minimum of every 100 m2
Compaction – BST / Crushed Base Gravel (following Full Depth Reclamation), Crushed Base Gravel, Sub-base Course, Embankment	In-Place Density (Proof Rolling)	Proof Roll over full width and length of each lift of material placed.
Compaction – Crushed Base Gravel used as Culvert Backfill	Maximum Density (ASTM D698)	The more stringent of: -1 for each gravel pit source -1 for any change in nature or source of aggregate within a gravel pit
Compaction – Crushed Base Gravel used as Culvert Backfill	In-Place Density (ASTM D6938)	Three (3) randomly located tests per each lift of placed material
Manufacture – Asphalt Mix Aggregate	Gradation (ASTM C136, ASTM C117)	1 per every 1,000 t of aggregate manufactured (all asphalt mix aggregate types)
	Fracture (ASTM D5821)	1 per every 2,000 t of aggregate manufactured (all applicable asphalt mix aggregate types)
Manufacture – Asphalt Mix Aggregate (Coarse Aggregates)	Relative Density (Specific Gravity), and Absorption (ASTM C127) (1)	The more stringent of: - 1 for each coarse aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit Submission date the more stringent of: - Within 2 weeks of commencement of crushing - 7 days prior to the start of paving
	Clay Lumps and Friable Particles (ASTM C142) (2)	1 per every 3,000 t of coarse aggregate manufactured

	Degradation (ASTM D6928) (2)	The more stringent of: - 1 for each coarse aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit Submission date the more stringent of: - Within 2 weeks of commencement of crushing - 7 days prior to the start of paving
	Flat Particles, Elongated Particles (ASTM D4791) (2)	The more stringent of: - 1 for each coarse aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit Submission date the more stringent of: - Within 2 weeks of commencement of crushing - 7 days prior to the start of paving
Manufacture – Asphalt Mix Aggregate (Mineral Filler)	Plasticity (ASTM D4318) (2)	The more stringent of: - 1 for each mineral filler aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit
Manufacture – Asphalt Mix Aggregate (Mineral Filler and Mineral Dust)	Organic Matter	The more stringent of: - 1 for each mineral filler aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit

Manufacture – Asphalt Mix Aggregate (Fine Aggregates)	Sand Equivalent (ASTM D2419) (2)	The more stringent of: - 1 for each fine aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit
	Uncompacted Void Content (AASHTO T 304 Method "A") (2)	The more stringent of: - 1 for each fine aggregate gravel pit source (test shall have been completed maximum 1 year before the mix design submission date) - 1 for any change in nature or source of aggregates within a gravel pit
Asphalt Products Test	Asphalt Tack Coat and Asphalt Prime	Contractor's option
Tests During Asphalt Mix Design	Tensile Strength Ratio (AASHTO T283)	1 per each Asphalt Mix Design prepared and submitted.
Tests During Asphalt Production / Paving	Moisture Content (ASTM C566 & D2216)	Aggregate: 2 tests/Lot Asphalt Mix: 1 on first Sub-lot and every second day
Tests During Asphalt Production / Paving	Gradation (ASTM C117)	1 per every 1,000t of combined aggregate from the asphalt plant cold feed
Tests During Asphalt Production / Paving	Marshall (ASTM D5581)	1 set of three briquettes per Lot
Tests During Asphalt Production / Paving	Asphalt Content (ASTM D6307)	1 per Sub-lot
Tests During Asphalt Production / Paving	Air Voids (ASTM D3203, ASTM D2041, ASTM D2726)	1 per Lot
Tests During Asphalt Production / Paving	Viscosity (ASTM D2171)	Contractor's Option
Tests During Asphalt Production / Paving	Core Samples (ASTM D2726)	At start, 2 cores for each Sub-Lot. After rolling pattern established, one core for each Sub-Lot. All cores to be a minimum of 100 mm diameter

Note:

(1) The test result shall be provided to the Departmental Representative for review and acceptance per the submission date requirements when noted.

(2) Should the contractor choose, tests noted may be completed by a CCIL compliant offsite laboratory rather than an onsite laboratory. Any additional offsite testing shall be pre-approved by the Departmental

Representative.

7. Section 01 52 00 – Construction Facilities and Equipment

Delete:

1.1 Measurement and Payment

.2 Measurement for Payment for completion of the Departmental Representative's Office Trailer will be made ~~by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.~~

Insert:

1.1 Measurement and Payment

.2 Measurement for Payment for completion of the Departmental Representative's Office Trailer(s) will be made per month, based on the number of months the trailer(s) is required on-site.

Delete:

1.11 – Departmental Representative's Office Trailer:

.1 Provide Departmental Representative with an office trailer positioned in a location on or near highway right-of-way selected by the Departmental Representative between Km 325 and Km 355 or between Km 520 and Km 555. ~~The location of the Departmental Representative's office trailer shall be in the section of active highway ROW construction (either Km 325 – 355 or Km 520 – 555). Should the Contractor choose to have construction on-going in both sections at the same time, the Departmental Representative has the right to request for an additional Office Trailer be provided. The cost for the second Office Trailer shall be incidental to the payment for Departmental Representative's Office Trailer.~~

.4 If requested by the Departmental Representative, the Contractor is required to move the Departmental Representative's Office Trailer during the project a maximum of ~~two (2)~~ times ~~(excluding the relocation from Km 325 – 355 to Km 520 – 555)~~. Any costs associated with this relocation of the Departmental Representative's Office Trailer is the responsibility of the Contractor. The new location will be directed by the Departmental Representative on or near the highway right-of-way between either Km 325 – 355 and Km 520 – 555.

Insert:

1.11 – Departmental Representative's Office Trailer(s):

.1 Provide Departmental Representative with office trailer(s) positioned in a

location on or near highway right-of-way selected by the Departmental Representative between Km 325 and Km 355 or between Km 520 and Km 555.

.4 If requested by the Departmental Representative, the Contractor is required to move the Departmental Representative's Office Trailer(s) during the project a maximum of one (1) time per trailer (excluding mobilization and demobilization). Any costs associated with this relocation of the Departmental Representative's Office Trailer(s) is the responsibility of the Contractor. The new location will be directed by the Departmental Representative on or near the highway right-of-way between either Km 325 – 355 and Km 520 – 555.

8. Section 10 14 53 – Traffic Signs

Delete:

Section 10 14 53 – Traffic Signs *(in its entirety)*

9. Section 31 05 16 – Aggregates: General

Insert:

2.5 – Sub-base Course:

.1 Sub-base Course shall be manufactured by the Contractor to ensure the material conforms with the following requirements:

.1 The material shall consist of hard durable particles free from clay lumps, frozen material, organic matter, and other deleterious materials.

.2 When tested in accordance to ASTM C136/C136M, the material shall have a gradation conforming to the following gradation limits:

Table 31 05 16 – 02: Gradation Limits: Sub-Base Course

Sieve Designation (mm)	Percent Passing by Weight
100	100
4.75	20 - 65

0.075	0 - 8

.3 Grading of material shall not show marked fluctuations from opposite extremes of the limits given in the above Table, and the curve plotted from the sieve analysis shall flow in a manner free from acute changes in direction.

.4 Even though particle sizes are within the limits of the grading sizes herein provided, materials will be considered unsuitable if particle shapes are thin or elongated or exhibit other characteristics precluding satisfactory compaction to create a roadbed acceptable to the Departmental Representative.

.5 Liquid limit when tested in accordance to ASTM D4318, maximum 25.

.6 Plasticity index when tested in accordance to ASTM D4318, maximum 6.

.7 Fracture, at least 20% of particles by mass retained on 4.75 mm sieve to have at least one freshly fractured face.

2.6 – Riprap:

.1 Riprap shall be in conformance with Section 31 37 00 – Riprap.

10. Section 31 14 11 – Gravel Shouldering

Insert:

1.1 – Measurement and Payment Procedures:

.3 Payment for Gravel Shouldering at the various rest stops will be made on the basis of the Price per Unit Bid for Gravel Shouldering - Various Locations in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for the supply, manufacture, loading, transport, placement, and compaction of gravel shouldering aggregate in the locations shown on the Contract Drawings, and all other items necessary for successful completion of the works.

.4 Measurement for Payment for completion of Gravel Shouldering - Various Locations will be made by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.

11. Section 32 11 24 – Crushed Base Gravel

Delete:

1.1 – Measurement and Payment Procedures:

.1 Payment for Crushed Base Gravel will be made on the basis of the Price per Unit Bid for Crushed Base Gravel in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the supply, manufacture, stockpiling, loading, transport, placing, shaping, watering and/or drying and compaction of the Crushed Base Gravel and all other items necessary for successful completion of the work.

.2 Measurement for Payment for completion of Crushed Base Gravel ~~will be made on the quantity of material scaled by the Contractor and converted to cubic meter volume for payment purposes using a unit weight determined by quality testing of the Crushed Base Gravel aggregate or 2.15 tonnes/m3. Provide a copy of each weigh scale ticket to the Departmental Representative upon delivery of the Crushed Base Gravel to the site or at the end of each workday as directed / approved by the Departmental Representative.~~

Insert:

1.1 – Measurement and Payment Procedures:

.1 Payment for Crushed Base Gravel will be made on the basis of the Price per Unit Bid for Crushed Base Gravel - Various Locations in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the supply, manufacture, stockpiling, loading, transport, placing, shaping, watering and/or drying and compaction of the Crushed Base Gravel and all other items necessary for successful completion of the work.

.2 Measurement for Payment for completion of Crushed Base Gravel - Various Locations will be made on the cubic volume of material (to the design grades) surveyed in cubic metres (except for Crushed Base Gravel placed during the Full Depth Reclamation process – see below), incorporated in the works and accepted by the Departmental Representative.

All Crushed Base Gravel placed during the Full Depth Reclamation process in the areas shown on the Contract Drawings shall be scaled by the Contractor and converted to cubic meter volume for payment purposes using a unit weight of 2.15 tonnes/m^3. Provide a copy of each weigh scale ticket to the Departmental Representative upon delivery of the Crushed Base Gravel to the site or at the end of each workday as directed / approved by the Departmental Representative. Each weigh scale ticket shall include the stationing of which the material is placed as recorded by the truck driver or the Contractor's Quality Control personnel.

Delete:

3.3 – Compaction:

.1 ~~Compact to a density not less than 100% of the standard maximum dry density in accordance with ASTM D698. Material shall be unfrozen and free from snow and ice during testing.~~

Insert:

3.3 – Compaction:

.1 Compact and test compaction of each layer of Crushed Base Gravel placed using proof rolling as follows.

.1 Proof rolling shall require one complete coverage of the entire embankment area for each lift by the tires of a truck having a 9 tonne single axle dual tire or 17 tonne tandem axle group with dual tires with a tire pressure of 600 kPa.

.2 When testing the compaction of the Embankment material using proof rolling, the material shall have a moisture content +/- 1.0% of optimum and will be considered compacted when upon completing a pass over the embankment area, the Embankment exhibits no observed unsuitable deflections or rutting.

12. Appendix I - Finished Grading Tables Km 325+000 – Km 355+000 & Km 520+010 - Km 554+680

Replace:

Entirety of the Finished Grading Table for Km 520+010 – Km 554+680 (attached at the end of the Addendum).

Changes to the Contract Drawings

Replace:

Sheet C0001 – Project Location Plan & Drawing Index – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C0002 – Km 325 – 355: Project Key Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C0003 – Km 520 – 555: Project Key Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C0004 – Legend & Control Monument Locations – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1104 – Plan / Profile Sta. 325+320 to Sta. 326+980 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1105 – Plan / Profile Sta. 326+980 to Sta. 327+640 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1134 – Plan / Profile Sta. 346+120 to Sta. 346+780 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1135 – Plan / Profile Sta. 346+780 to Sta. 347+440 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1136 – Plan / Profile Sta. 347+440 to Sta. 348+100 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1145 – Plan / Profile Sta. 353+380 to Sta. 354+040 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1146 – Plan / Profile Sta. 354+040 to Sta. 354+700 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1209 – Plan / Profile Sta. 524+980 to Sta. 525+640 – Rev 0 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1213 – Plan / Profile Sta. 527+620 to Sta. 528+280 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1214 – Plan / Profile Sta. 528+280 to Sta. 528+940 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1221 – Plan / Profile Sta. 532+900 to Sta. 533+560 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1223 – Plan / Profile Sta. 534+220 to Sta. 534+880 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1224 – Plan / Profile Sta. 534+880 to Sta. 535+540 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1225 – Plan / Profile Sta. 535+540 to Sta. 536+160 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1238 – Plan / Profile Sta. 544+120 to Sta. 545+780 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1239 – Plan / Profile Sta. 544+780 to Sta. 545+440 - Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1241 – Plan / Profile Sta. 546+100 to Sta. 546+760 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1242 – Plan / Profile Sta. 546+760 to Sta. 546.8+420 – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1302 – Typical Sections – Km 325 Pavement Shoulder Width Transition & Standard Barrier Flare Terminal – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1304 – Paint Marking Details – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1305 – Access Road Details – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Insert:

Sheet C1307 – Typical Sections – Full Pavement Reconstruction – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1501 – Km 525.4 Chain Up Area Plan / Profile – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1502 – Km 525.4 Chain Up Area Typical Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1503 – Km 525.4 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1504 – Km 525.4 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1505 – Km 525.4 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1511 – Km 533.1 Rest Stop Plan / Typical Section – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1512 – Km 533.1 Rest Stop Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1513 – Km 533.1 Rest Stop Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1521 – Km 535.2 Rest Stop Decommissioning Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1551 – Km 545 Embankment Borrow Area Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1552 – Km 545 Embankment Borrow Area Typical Section and Detail – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1553 – Km 545 Embankment Borrow Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1554 – Km 545 Embankment Borrow Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1555 – Km 545 Embankment Borrow Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1561 – Km 546.8 Chain Up Area Plan / Profile – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1562 – Km 546.8 Chain Up Area Typical Section and Detail – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1563 – Km 546.8 Chain Up Area Typical Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1564 – Km 546.8 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1565 – Km 546.8 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1566 – Km 546.8 Chain Up Area Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1601 – Km 326.86 – Km 327.11 Ditch and Slope Reconstruction Plan / Typical Section – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1602 – Km 326.86 – Km 327.11 Ditch and Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1603 – Km 326.86 – Km 327.11 Ditch and Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1604 – Km 326.86 – Km 327.11 Ditch and Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1611 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1612 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1613 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1614 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Typical Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1615 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1616 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1617 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1618 – Km 346 – Km 348 Tree Clearing, Ditch, and Slope Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1621 – Km 353.66 Embankment Reconstruction Plan / Typical Section – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1631 – Km 354.0 – Km 354.6 Ditch Re-establishment Plan / Typical Section – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1632 – Km 354.0 – Km 354.6 Ditch Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1633 – Km 354.0 – Km 354.6 Ditch Re-establishment Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1701 – Km 528.2 Sag Curve Reconstruction Plan / Profile – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1702 – Km 528.2 Sag Curve Reconstruction Typical Section – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1703 – Km 528.2 Sag Curve Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1704 – Km 528.2 Sag Curve Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1705 – Km 528.2 Sag Curve Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1706 – Km 528.2 Sag Curve Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1711 – Km 545.3 Slope Reconstruction Plan – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1712 – Km 545.3 Slope Reconstruction Typical Sections and Details – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1713 – Km 545.3 Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1714 – Km 545.3 Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1715 – Km 545.3 Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1716 – Km 545.3 Slope Reconstruction Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1801 – Km 534.43 Culvert Plan / Profile / Typical – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1802 – Km 534.43 Culvert Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1811 – Km 546.7 Culvert Plan / Profile – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1812 – Km 546.7 Culvert Typical Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1813 – Km 546.7 Culvert Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Sheet C1814 – Km 546.7 Culvert Cross Sections – Rev 1 – Issued for Amendment 001 – Dated: 21/05/11

Attachments (To Be Inserted Into the Specifications)

1. Section 10 14 53 – Signage
2. Section 31 11 00 – Clearing and Grubbing
3. Section 31 24 14 – Excavation, Embankment, and Topsoil
4. Section 31 37 00 – Riprap
5. Section 32 11 19 – Sub-base Course
6. Section 32 93 21 – Hydraulic Seeding
7. Section 33 42 13 – Pipe Culverts
8. Section 34 71 13.01 – Precast Concrete Barriers

All other terms and conditions remain unchanged.

SECTION INCLUDES:

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures.

1.2 References.

1.3 Submittals.

PART 2 – PRODUCTS:

2.1 Km 545 Chain Up Area Signs (Steel Posts and Concrete Bases).

PART 3 – EXECUTION:

3.1 Relocate Existing Wood Post Sign.

3.2 Supply New Wood Post Sign.

3.3 Km 545 Chain Up Area Signs (Steel Posts and Concrete Bases).

3.4 Relocate Existing Wood Post Sign.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for Regulatory Sign Relocations (Wood Post) will be made on the basis of Price per Unit Bid for Regulatory Sign Relocations (Wood Post) in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for equipment and labour required to remove and reinstall the existing signs on wood posts in its new location, and all other items necessary for successful completion of the work.

.2 Measurement for Payment for completion of Regulatory Sign Relocations (Wood Post) will be made per each sign removed and reinstalled. Signs with two wood posts shall be counted as one sign removed and relocated.

.3 Payment for Regulatory Sign Removals (Wood Post) will be made on the basis of Price per Unit Bid for Regulatory Sign Removals (Wood Post) in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for equipment and labour required to remove

the existing signs on wood posts and dispose of in an offsite location accepted by the Departmental Representative, and all other items necessary for successful completion of the work.

.4 Measurement for Payment for completion of Regulatory Sign Removals (Wood Post) will be made per each sign removed. Signs with two wood posts shall be counted as one sign removal.

.5 Payment for the removal and reinstallation of the Km 545 Chain Up Area Signs (steel posts and concrete bases) will be made based on the basis of Price per Unit Bid for Km 545 Chain Up Area Signs and sign structure (Steel Posts and Concrete Bases). The Price per Unit Bid shall include all costs for the removal of the two existing steel post signs at Km 545, protecting, loading and transporting of the signs, sign structures, and associated electrical equipment to the Km 546.8 Chain Up Area, disposal of existing concrete bases, geotechnical investigation at the proposed sign locations (if required), preparation of sealed shop drawings for the new concrete bases and connection details, construction of the new concrete bases and supply and install of any required granular materials, reinstallation of the steel post signs, and all other items necessary for the successful completion of the work.

.6 Measurement for Payment for completion of Km 545 Chain Up Area Signs (Steel Posts and Concrete Bases) will be made per each sign removed and relocated.

1.2 References

.1 British Columbia Ministry of Transportation and Infrastructure (BC MoTI):

.1 Manual of Standard Traffic Signs & Pavement Markings (September 2000, or latest edition).

.2 2020 Standard Specifications for Highway Construction.

.2 Transportation Association of Canada (TAC):

.1 Manual of Uniform Traffic Control Devices for Canada (January 2014, or latest edition).

1.3 Submittals

.1 Submit product data in accordance with Section 01 33 00 – Submittal Procedures.

.2 The Contractor shall submit shop drawings prepared and sealed by a P.Eng for the construction and installation of new concrete bases for the Chain Up Area Signs (steel posts and concrete bases) being relocated from Km 545 to Km 546.8 for review and acceptance by the Departmental Representative prior to undertaking the work. The shop drawings shall include all details on the proposed concrete footings and the sign connection details for reinstalling the Chain Up Area Signs (steel posts and concrete bases) and design notes presented in a legible and logical format allowing for a technical review of the design concepts and assumptions used in the design. The design notes shall at a minimum include the following:

.1 Design moment, shear and axial force envelopes for serviceability, ultimate and fatigue limit states.

.2 All welded connections, stiffeners, etc.

.3 Anchor bolts.

.4 Design Criteria including design wind pressure, design ice thickness, other deadloads, design temperature range, foundation soil parameters, and critical anchor bolt forces.

PART 2 – PRODUCTS

2.1 Km 545 Chain Up Area Signs (Steel Posts and Concrete Bases)

.1 The Concrete Base and Sign Connections shall be supplied and designed by the Contractor in accordance with the accepted P.Eng sealed shop drawings.

.2 The design of the concrete base and sign connections shall be in accordance with the requirements of the more stringent of:

.1 The AASHTO Standard Specifications for Structural Supports for Highway Signs, Lumineers, and Traffic Signals, Latest Edition

and Interims, and the following notes:

.1 The design ice thickness for ice accretion shall be the value given in CSA S6 Figure A3.1.4.

.2 The design equation 3-1 referenced in article 3.8.1 shall be modified as follows:

$P_z = 2.5qK_zC_d$, where;
q shall be determined from CSA S6 Table A3.1.1 for a return period of 50 years.

.3 The Fatigue Importance Factors in Table 11.6-1 shall be designed based on Fatigue Category I.

.2 BC MoTI Bridge Standards and Procedures Manual Supplement to Canadian Highway Bridge Design Code, Latest Edition.

.3 Canadian Highway Bridge Design Code, Latest Edition.

.4 The soil conditions present at each sign location.

.5 The design sign panel area shall be taken as the current sign dimensions.

PART 3 – EXECUTION

3.1 Relocate Existing Wood Post Sign

.1 Wood signposts shall be removed and reinstalled in the locations shown on the Contract Drawings. Install the existing Signs and Wood Posts in accordance with BC MoTI Manual of Standard Traffic Signs & Pavement Markings and BC MoTI Standard Specifications for Highway Construction, Section 635, subsection 635.29 and subsection 635.32 and the following requirements:

.1 The post hole shall be made via an auger with a diameter no greater than 100 mm larger than the post dimensions.

.2 Wood posts shall be installed plumb and at the proper offset and elevation and to the satisfaction of the Departmental Representative.

.2 The reinstallation of the signs shall occur immediately following the removal of the sign or the Contractor shall provide temporary construction signage to convey signage information to drivers.

.3 The signs shall be reinstalled to the same height and wood post embedment depth as the sign was before removal. The sign shall be installed such that the edge of the sign closest to the travel lane is 3.0 m to 4.5 m from the white line, or as directed by the Departmental Representative.

.4 Should the existing signs or sign posts be damaged during relocation, the costs for the supply and installation of new signs and sign posts shall be at the Contractor's expense.

3.2 Supply New Wood Post Sign

.1 Wood signposts shall be supplied and installed in the locations shown on the Contract Drawings. Install the proposed Signs and Wood Posts in accordance with BC MoTI Manual of Standard Traffic Signs & Pavement Markings and BC MoTI Standard Specifications for Highway Construction, Section 635, subsection 635.29 and subsection 635.32 and the following requirements:

.1 Post embedment depth shall be 1600 mm.

.2 Green and white paint not required.

.3 The post hole shall be made via an auger with a diameter no greater than 100 mm larger than the post dimensions.

.4 Wood posts shall be installed plumb and at the proper offset and elevation, in accordance with the Contract Drawings and to the satisfaction of the Departmental Representative.

.2 The signs shall be installed such that the bottom of the sign is 2.0 m from the elevation of the travel lane and such that the edge of the sign closest to the travel lane is 3.0 m to 4.5 m from the white line, or as directed by the Departmental Representative.

3.3 Km 545 Chain Up Area Signs (Steel Posts and Concrete Bases)	.1	Undertake geotechnical investigation at the proposed sign locations as needed.
	.2	Prepare and submit Shop Drawings for the Concrete Bases and Sign Connections as per 1.3 – Submittals in this Contract Specification for review and acceptance by the Departmental Representative.
	.3	Construction new concrete bases in accordance with the accepted Shop Drawings.
	.4	The signs shall be reinstalled in accordance with all sign connection details shown in the accepted Shop Drawings. The signs shall be installed to match the existing height and at the location and offset distance shown on the Contract Drawings.
	.5	Remove and dispose the existing concrete footings at Km 545 offsite or as directed by the Departmental Representative.
3.4 Relocate Existing Wood Post Sign	.1	Remove and dispose the existing sign and sign post offsite or as directed by the Departmental Representative.

SECTION INCLUDES

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures.

1.2 Definitions.

1.3 References.

1.4 Submittals.

1.5 Protection.

PART 2 – PRODUCTS:

2.1 Products

PART 3 – EXECUTION:

3.1 Preparation.

3.2 Clearing.

3.3 Grubbing.

3.4 Removal and Disposal.

3.5 Finished Surface.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for Km 346 – 348 Tree Clearing will be made on the basis of Price per Unit Bid for Tree Clearing - Km 346-348 in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for equipment, labour, disposal, and all other items necessary for the successful completion of the work.

.2 Measurement for Payment for completion of Tree Clearing - Km 346-348 will be made on the area of tree clearing surveyed in square metres, incorporated in the works and accepted by the Departmental Representative.

.3 Payment for Km 546.8 Chain Up Area Clearing and Grubbing will be made on the basis of Price per Unit

Bid for Clearing and Grubbing - Km 546.8 Chain Up Area in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for equipment, labour, disposal, and all other items necessary for the successful completion of the work.

.4 Measurement for Payment for completion of Clearing and Grubbing - Km 546.8 Chain Up Area will be made on the area of tree clearing and grubbing surveyed in square metres, incorporated in the works and accepted by the Departmental Representative.

1.2 Definitions

.1 Clearing: cutting off trees, brushing vegetative growth to ground level and disposing of felled trees, previously uprooted trees and stumps, and surface debris.

.2 Grubbing: excavating and disposing stumps and roots to 150mm below existing ground surface.

.3 License to Cut: License required under Province of British Columbia's Forest Act that authorizes a Contractor to salvage and remove timber from Crown Land.

1.3 References

.1 British Columbia Forest Act, Part 3, Division 1 – Forms of Rights to Crown Timber, latest edition.

.2 British Columbia Environmental Management Act, Open Burning Smoke Control Regulation, latest edition.

1.4 Submittals

.1 Submittals in accordance with Section 01 33 00 – Submittal Procedures.

.2 If disposal by burning is used by the Contractor and if required by the British Columbia Open Burning Smoke Control Regulation, the Contractor shall obtain and submit the burning permit to the Departmental Representative prior to commencement of burning operations.

1.5 Protection

.1 Prevent damage to natural features and man-made structures which are to remain.

.2 Repair any damaged caused by clearing and grubbing operations and if damaged, replace any tress designated to remain.

PART 2 – PRODUCTS

2.1 Products .1 Not Used.

PART 3 – EXECUTION

3.1 Preparation .1 Inspect the site and verify with the Departmental Representative, the limits of the clearing and grubbing and items designated to remain.

.2 Unless advised otherwise, receive from the Departmental Representative the License to Cut prior to undertaking the work.

3.2 Clearing .1 Clear trees, brush, and other vegetation designated for removal within the limits of Clearing and Grubbing shown on the contract drawings and as direct by the Departmental Representative.

.2 Cut off branches and cut down trees overhanding area cleared.

3.3 Grubbing .1 Grub out stumps and wood debris including roots and embedded logs not less than 150 mm below ground surface.

3.4 Removal and Disposal .1 Dispose of cleared and grubbed materials by chipping or burning.

.2 Chip or mulch and spread cleared and grubbed vegetative materials that is on site as directed by the Departmental Representative.

.3 Burning:

.1 Burning shall be completed inside clearing limits.

.2 Comply with the Open Burning Smoke Control Regulation within the British Columbia Environmental Management Act when burning and all requirements of Section 01 35 43 – Environmental Protection.

3.5 Finished Surface

.1 Leave ground surface in a condition suitable for stripping of topsoil / excavation (if required).

.2 In areas of flush cutting, leave stumps cut flush with ground elevation and root structure undisturbed.

END OF SECTION

SECTION INCLUDES

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures.

1.2 Definitions.

1.3 References.

1.4 Submittals.

PART 2 – PRODUCTS:

2.1 Embankment.

2.2 Topsoil.

2.3 Hydraulic Seeding.

PART 3 – EXECUTION:

3.1 Stripping.

3.2 Excavation.

3.3 Excavation for Use as Embankment

3.4 Embankment.

3.5 Topsoil.

3.6 Hydraulic Seeding.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for the completion of a geotechnical investigation at the Km 545 Embankment Borrow Source will be made on the basis of Price per Unit Bid for Km 545 Embankment Borrow Area Geotechnical Investigation. The Price per Unit Bid shall include all costs for test pits, sampling, testing, preparation of a factual geotechnical data report summarizing the properties of the in-situ material and all other items necessary for successful completion of the work.

.2 Measurement for payment for completion of the Km 545

Embankment Borrow Area Geotechnical Investigation will be made by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.

.3 Payment for Excavation will be made on the basis of the Price per Unit Bid for Excavation - Various Locations in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for excavation of stripping and existing materials as shown on the Contract Drawings, temporary stockpile of the stripping material (if being used later as topsoil), transport of the existing materials for disposal or reuse as Embankment. The price shall further include placement of the material as Embankment including all costs for sorting, screening, transport, drying, aerating, placement (including completion of terraces (benches) in existing ground (if required)), compaction of Embankment and all other items necessary for successful completion of the work. At the Km 545.3 Slope Reconstruction, the price shall further include the sorting, removal, and disposal of the trees within the Excavation limits.

.4 Measurement for Payment for completion of Excavation - Various Locations will be made on the volume of material surveyed in cubic metres, excavated from the limits of the work, and accepted by the Departmental Representative. Excavation completed at various locations and reused as Embankment will be measured only as Excavation with no separate payment for the placement of material as Embankment. No separate measurement or payment for hauling of the material will be made. Any stripping shown on the Contract Drawings shall be measured and included in the excavation quantity. Separate payment will be made for placing the stripped material back on the finished surface as topsoil.

.5 Payment for the completion of Excavation – Embankment Borrow Area will be made on the basis of the Price per Unit Bid for Excavation – Embankment Borrow Area in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for excavation of existing materials, sorting, temporary stockpile of material not achieving the definition of Embankment,

transport of the suitable materials for use as Embankment, and placement as Embankment including drying, aerating, compaction, and all other items necessary for successful completion of the work.

.6 Measurement for Payment for the completion of Excavation – Embankment Borrow Area will be made on the volume of material surveyed in cubic metres excavated and hauled for use as Embankment at various locations on-site and accepted by the Departmental Representative. The Contractor shall undertake and submit to the Departmental Representative before and after surveys of the Embankment Borrow Area to confirm the quantity of excavation. No separate measurement or payment will be made for material not meeting the definition of Embankment and left on-site. No separate measurement or payment for hauling of the material or for the placement of the excavated material as Embankment will be made.

.7 Payment for the completion of Excavation - Contractor's Offsite Source will be made on the basis of the Price per Unit Bid for Excavation - Contractor's Offsite Source in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for the supply (Contractor sourced/privately owned gravel pits), transport, drying, aerating, placement (including completion of terraces (benches) in existing ground (if required)), compaction of material as Embankment and all other items necessary for successful completion of the work.

.8 Measurement for Payment for the completion of Excavation - Contractor's Offsite Source will be made on the volume of material surveyed in cubic metres excavated and hauled for use as Embankment at various locations on-site and accepted by the Departmental Representative. The Contractor shall undertake and submit to the Departmental Representative before and after surveys of the offsite Excavation source to confirm the quantity of excavation. Measurement and Payment will only be made on material excavated and used on-site as Embankment (isolate the area of the pit to ensure only Embankment materials are being excavated). No separate measurement or payment for hauling of the

material or for the placement of the excavated material as Embankment will be made.

.9 Payment for Topsoil will be made on the basis of the Price per Unit Bid for Topsoil - Various Locations in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for the spreading, raking, and grooming of the previously stripped material being reused as Topsoil, grading and cleanup in preparation for Hydraulic Seeding, and all other items necessary for successful completion of the work. The import of topsoil or the transport of stripping / Topsoil between work areas (ex. from Km 326.86 – 327.11 Ditch and Slope Reconstruction to Km 346-348 Tree Clearing, Ditch, and Slope Re-establishment) are not anticipated and is not included in the cost of Topsoil.

.10 Measurement for Payment for completion of Topsoil will be made on the area of material surveyed in square metres incorporated into the works and accepted by the Departmental Representative.

1.2 Definitions

.1 Stripping: excavation of organic material covering the original ground.

.2 Organic Material: soil in which plants can grow, comprising primarily of mineral particles mixed with decayed organic matter and having the capability of retaining water. Typically, dark brown or black in colour.

.3 Topsoil: Organic material derived from stripping free of rocks > 150 mm in diameter and other debris hindering good vegetative growth.

.4 Rock excavation:

.1 Material from solid masses of igneous, sedimentary or metamorphic rock which, prior to removal, was integral with parent mass. Material that cannot be ripped with reasonable effort from Caterpillar D9L or equivalent and considered integral with parent mass.

.2 Boulder or rock fragments measuring in volume

one cubic metres or more.

.5 Embankment: gravels and rock material containing no more than 3% organic matter by mass and free from weeds, sod, roots, logs, stumps, frozen lumps, snow, ice, or any other unsuitable material as determined by the Departmental Representative. The maximum size of embankment rock placed within 300 mm of final grade of embankment material shall be 150 mm in diameter.

1.3 References

.1 American Society for Testing and Materials (ASTM), latest edition:

.1 ASTM D698, Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3) (600 kN-m/m^3).

.2 ASTM D6938, Standard Test Methods for In-Place Density and Water Content of Soil-Aggregate by Nuclear Methods.

.3 ASTM D2216, Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass.

1.4 Submittals

.1 Submittals in accordance with Section 01 33 00 – Submittal Procedures.

.2 The Contractor's Geotechnical Data Report shall include at a minimum:

.1 Test Pit logs including pertinent field notes, test pit location and depth, soil classification in accordance with the unified soil classification section (and all depths for changes in material types encountered).

.1 For each material type encountered, the Geotechnical report shall state whether the material within that layer meets the definition of Embankment (as defined in 1.3 – Definition in this Contract Specification).

.2 Results of the moisture content tests.

.3 P.Eng. seal signifying that the geotechnical investigation and report has been completed in accordance with accepted industry best standards.

PART 2 – PRODUCTS

2.1 Embankment

.1 Embankment materials shall be derived from the Km 545 Embankment Borrow Source Area, Km 545.3 Slope Reconstruction, and if necessary, the Contractor's own source(s).

.2 Prior to undertaken the excavation at the Km 545 Embankment Borrow Source Area the Contractor shall undertake a geotechnical investigation comprising of test pits, sampling, and testing to prepare a factual geotechnical data report. The geotechnical investigation shall include the following:

.1 1 Test Pit every 500 m2 (or as directed by the Departmental Representative) evenly distributed within the limits of the Km 545 Embankment Borrow Source area.

.2 Test Pits shall be completed to a minimum depth of 5 m.

.3 Each test pit shall include collection of a representative sample to undertake a moisture content test.

.3 Following the geotechnical investigation, a factual geotechnical data report shall be prepared and submitted to the Departmental Representative within fourteen (14) days of the test pits being undertaken.

.4 If the geotechnical report finds that 50% or more of the borrow source material within 5 m of the existing surface achieves the definition of Embankment (as described in the 1.3 – Definitions in this Contract Specification) and has a moisture content of 4.0% or less, then the Contractor shall sort and use all available material as a source of Embankment on the project.

.5 If the geotechnical report finds that the requirements of Item .4 above are not achieved, the Departmental Representative will consider the Contractor's own source(s) of Embankment for use on the project.

.6 Regardless of the outcome of the geotechnical investigation, the excavation at the Km 545 Embankment Borrow Source to form the highway ditch grading and the Km 545.3 Slope Reconstruction will be undertaken and the material excavated will be used as Embankment at the Km 546.8 Chain Up Area.

2.2 Topsoil .1 Material meeting the definition of Topsoil derived from stripping on the project. The need to import of Topsoil from other sources outside the right-of-way is not anticipated on the project.

2.3 Hydraulic Seeding .1 The supply of Hydraulic Seeding shall be in accordance with Section 32 93 21 – Hydraulic Seeding.

PART 3 – EXECUTION

3.1 Stripping .1 Complete stripping of Organic Material and Topsoil to the depths as indicated on the Contract drawings and as directed by Departmental Representative.

.2 Stockpile stripping material meeting the definition of Topsoil for re-use later as Topsoil. The Contractor shall be responsible for selecting a suitable temporary stockpile location in accordance with the Contract Specifications and re-handling of the material shall be at the Contractor's cost.

3.2 Excavation .1 Complete all excavations to the design lines and grades shown on the Contract Drawings or as directed by the Departmental Representative. Dispose of excavation material in an offsite location pre-approved by the Departmental Representative (except for excavation completed at the Km 545 Embankment Borrow Source Area and the Km 545.3 Slope Reconstruction which will be reused as Embankment, see Item 3.3 Excavation for Use as Embankment in this Contract Specification).

.2 During Excavation maintain profiles, crowns and cross slopes to provide good surface drainage. Provide ditches as work progresses to provide drainage.

.3 If during Excavation, material appearing to conform to classification for rock excavation is encountered, notify Departmental Representative, and provide sufficient time to enable measurements to be made to determine volume of rock. Payment for rock excavation (if required) will be completed via change order.

3.3 Excavation for Use as Embankment

.1 Complete all excavations to the design lines and grades shown on the Contract Drawings at the Km 545 Embankment Borrow Source Area and the Km 545.3 Slope Reconstruction for use as Embankment on the project. At the Km 545.3 Slope Reconstruction, the Contractor shall remove trees and dispose offsite.

.2 At the conclusion of any additional excavation undertaken at the Km 545 Embankment Borrow Source Area, all disturbed areas shall be graded such as to provide positive drainage to the limits of excavation with a maximum slope of 3H:1V in any direction. All disturbed areas shall be hydraulically seeded.

3.4 Embankment

.1 Place excavated material as Embankment following stripping to the design lines and grades, cross sections and dimensions as shown on the Contract Drawings.

.2 When embankments are made on hillsides or existing embankments steeper than 1.5V:5H, the slopes of the embankment shall be terraced in a continuous series of steps a minimum of 1.5 m wide.

.3 If suitable, the material excavated to generate the terraced / steps on hillsides shall be spread and compacted into the adjoining embankment. No additional payment will be made for excavation of terraces / steps or for placing step material in the adjoining fill.

.4 Do not place material which is frozen nor place material on frozen surfaces.

.5 Maintain crowned surface during construction to ensure ready run-off of surface water.

.6 Drain low areas before placing materials.

.7 Place and compact to full width in layers not exceeding 200 mm loose thickness. Departmental Representative may authorize thicker lifts after Contractor has shown that specified compaction can be achieved at 200 mm lift thickness and if material contains more than 25% by volume stone and rock fragments larger than 100 mm.

.8 Where material consists primarily or all of rock:

.1 Place to full width in layers of sufficient depth to contain maximum sized rocks, but in no case is layer thickness to exceed 1 m.

.2 Carefully distribute rock material to fill voids with smaller fragments to form compact mass.

.3 Fill surface voids at subgrade level with rock spalls or selected material to form earth-tight surface.

.4 Do not place boulders and rock fragments with dimensions exceeding 150 mm within 300 mm of subgrade elevation.

.9 Break material down to sizes that enable required compaction and mix for uniform moisture to full depth of layer. Embankment materials which cannot be compacted to the required density due to high moisture content, or Embankment materials with a natural moisture content greater than optimum, shall not be used prior to aeration and drying by the Contractor.

.10 Compact and test compaction of each layer of Embankment placed using proof rolling as follows.

.1 Proof rolling shall require one complete coverage of the entire embankment area for each lift by the tires of a loaded truck having a 9 tonne single axle dual tire or 17 tonne tandem axle group with dual tires with a tire pressure of 600 kPa.

.2 When testing the compaction of the Embankment material using proof rolling, the

material shall have a moisture content +/- 1.0% of optimum and will be considered compacted when upon completing a pass over the embankment area, the Embankment exhibits no observed unsuitable deflections or rutting.

.11 Add water or dry as required to bring moisture content of materials to level required to achieve specified compaction.

.12 Shape entire Embankment to within 100 mm of design lines and grades but not uniformly high or low. Finish slopes and ditch bottoms to neat condition, true to lines, grades and drawings where applicable.

.13 Remove rocks over 150 mm in any dimension from finished slopes and ditch bottoms.

.14 Hand finish slopes that cannot be finished satisfactorily by machine.

.15 Run dozer tracks over slopes exceeding 3 m in height and leave dozer tracks parallel to centerline of highway.

.16 Maintain finished surfaces in condition conforming to this Section until acceptance by Departmental Representative.

3.5 Topsoil

.1 Commence placement of Topsoil following finished Embankment slopes and ditches which have been accepted by the Departmental Representative and surveyed.

.2 Spread temporarily stockpiled stripping material as Topsoil on finished Embankment slopes and ditches in locations shown on the Contract Drawings and as approved by the Departmental Representative. Place Topsoil in locations approved by the Departmental Representative to a thickness of 200 mm +/- 50 mm, but not uniformly high or low or to a thickness directed by the Departmental Representative. Neatly shape outside limits of Topsoil material to eliminate sharp changes in lines and grades. Ensure ready run-off of surface water. Reduce thickness or area of Topsoil placement as directed by Departmental Representative should the

volume of Topsoil available from stripping be less than required for the area of Topsoil shown on the Contract Drawings.

.3 Remove rocks > 150 mm in diameter and other debris hindering good vegetative growth from the placed Topsoil.

.4 Finish surface even, free of large openings and neat in appearance.

.5 Maintain finished surfaces in condition conforming to this Section until acceptance by Departmental Representative.

.6 Dispose excess stripping not required for re-use as Topsoil at an offsite disposal facility pre-approved by the Departmental Representative.

3.6 Hydraulic Seeding

.1 Complete Hydraulic Seeding on all Topsoil, finished excavations, and all other disturbed areas within the construction limits per the requirements of 32 93 21 – Hydraulic Seeding.

END OF SECTION

SECTION INCLUDES

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures.

1.2 References.

PART 2 – PRODUCTS:

2.1 Riprap.

PART 3 – EXECUTION:

3.1 General.

3.2 Placement.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Measurement and Payment for riprap shall be as per the applicable work included in Section 33 42 13 – Pipe Culverts.

1.2 References

.1 American Society for Testing and Materials (ASTM), latest edition:

.1 ASTM C127, Standard Test Method for Relative Density (Specific Gravity) and Absorption of Course Aggregate.

PART 2 – PRODUCTS

2.1 Riprap

.1 The Contractor shall source riprap for the project from the following options:

.1 PSPC's Wood Creek Quarry (Km 651.0). Various sizes of riprap may be available for use by the Contractor. The Contractor will be responsible for sorting through and stockpiling rock and selecting the appropriate rock size.

.2 Alternative sources outside the highway ROW.

.2 Regardless of the riprap source, the Riprap shall conform with the following requirements:

.1 Crushed / blasted angular stone consisting of hard durable particles free from clay lumps, frozen material and other deleterious materials, and free from splits, seams or defects likely to impair its soundness during handling or under action of water.

.2 Is a graded material conforming with the following gradation limits:

.1 50 Kg Class Riprap:

Table 31 37 00 – 01: 50 Kg Class Riprap

Mass (kg)	Nominal Diameter (mm) @ 2650 kg/m^3	Percent Larger Than
300	600	0
150	500	15
50	350	50
5	160	85
1	95	100

.3 Neither the breadth or the thickness of any individual piece of material is to be less than one-third of its length. A maximum of 2.0 percent by weight of such pieces will be permitted.

.4 Have a relative density: to ASTM C127, not less than 2.65.

PART 3 – EXECUTION

3.1 General

.1 Riprap extraction, processing, handling and transportation, stockpiling, and cleanup shall in accordance with the requirements of Section 31 05 16 – Aggregates: General.

3.2 Placement

.1 Placement of Riprap shall be in accordance with Section 33 42 13 – Pipe Culverts.

END OF SECTION

SECTION INCLUDES

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures.

PART 2 – PRODUCTS:

2.1 Materials.

PART 3 – EXECUTION:

3.1 Inspection and Survey of Underlying Surface.

3.2 Placing.

3.3 Compaction.

3.4 Tolerances.

3.5 Protection.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for Sub-base Course material will be made on the basis of the Price per Unit Bid for Sub-base Course - Various Locations in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the supply, manufacture, stockpiling, loading, transport, placing, shaping, watering and/or drying and compaction of the Sub-base Course material, the completion of terraces (benches) prior to placement (if necessary), and all other items necessary for successful completion of the work.

.2 Measurement for Payment for completion of Sub-base Course - Various Locations will be made on the volume of material (to the design grades) surveyed in cubic metres, incorporated in the works (at the completion of compaction and grading) and accepted by the Departmental Representative.

PART 2 – PRODUCTS

2.1 Materials

.1 Material shall be Sub-base Course material in accordance with Section 31 05 16 – Aggregates: General.

PART 3 – EXECUTION

3.1 Inspection and Survey of Underlying Surface.

.1 Place Sub-base Course material after underlying surface is surveyed, inspected, and approved by Departmental Representative.

3.2 Placing

.1 Place Sub-base Course material in the locations and to lines and grades shown on the contract drawings.

.2 Ensure no frozen material is placed.

.3 Place material only on clean unfrozen surface, properly shaped and compacted, and free from snow and ice.

.4 Begin spreading Sub-base Course material on crown line or on high side of one way slope.

.5 Place Sub-base Course material using methods which do not lead to segregation or degradation.

.6 Place material in uniform layers not exceeding 200 mm compacted thickness. Departmental Representative may authorize thicker lifts (layers) after Contractor has shown that specified compaction at 200 mm lift thickness can be achieved.

.7 Shape each layer to smooth contour and compact to specified density before succeeding layer is placed.

.8 Remove and replace segregated material.

.9 Complete dust control using water as required throughout the work (see Section 32 15 60 – Roadway Dust Control).

3.3 Compaction

.1 Compact and test compaction of each layer of Sub-base Course placed using proof rolling as follows.

.1 Proof rolling shall require one complete coverage of the entire embankment area for each lift by the tires of a loaded truck having a 9 tonne single axle dual tire or 17 tonne tandem axle group with dual tires with a tire pressure of 600 kPa.

.2 When testing the compaction of the

Embankment material using proof rolling, the material shall have a moisture content +/- 1.0% of optimum and will be considered compacted when upon completing a pass over the embankment area, the Embankment exhibits no observed unsuitable deflections or rutting.

.2 Shape and roll alternately to obtain smooth, even and uniformly compacted structure.

.3 Apply water as necessary during compacting to obtain optimum density. If Sub-base Course material is excessively moist, the Contractor shall take remedial action as required.

.4 In areas not accessible to rolling equipment, compact to specified density with mechanical tampers approved by Departmental Representative.

.5 Correct surface irregularities by loosening and adding or removing material until surface is within specified tolerance.

3.4 Tolerances

.1 Finished base surface to be within plus or minus 50 mm of the design lines and grades but not uniformly high or low.

3.5 Protection

.1 Maintain finished base in condition conforming to this section until acceptance by Departmental Representative and succeeding material is applied. No separate payment will be made for maintenance.

.2 Complete dust control using water as required succeeding material is applied (see Section 32 15 60 – Roadway Dust Control).

END OF SECTION

SECTION INCLUDES

PART 1 – GENERAL:

1.1 Measurement and Payment Procedures

1.2 Product Data.

1.3 Scheduling.

1.4 Product Handling and Storage.

PART 2 – PRODUCTS:

2.1 Materials.

2.2 Equipment.

PART 3 – EXECUTION:

3.1 Workmanship.

3.2 Protection of Surfaces.

3.3 Preparation of Slurry.

3.4 Slurry Application.

3.5 Warranty and Maintenance.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for the completion of Hydraulic Seeding will be made on the basis of the Price per Unit Bids for Hydraulic Seeding – Km 325-355 Supply and Application and Hydraulic Seeding – Km 520-555 Supply and Application in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for mobilization, supply, placement, and maintenance of the Hydraulic Seeding in all areas of excavation, topsoil, cut slopes, and all other areas disturbed as a result of the work detailed in these specifications and the Contract Drawings.

.2 Measurement for Payment for completion of Hydraulic Seeding – Km 325-355 Supply and Application and Hydraulic Seeding – Km 520-555 Supply and

Application will be made by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.

1.2 Product Data

.1 Provide product data prior to seeding for:

.1 Seed:

.1 Shipping Bill: issued by supplier of material, identifying manufacturer and supplier, material, and net mass or volume in each container.

.2 Biotic Soil Media.

.1 Shipping Bill: issued by supplier of material, identifying manufacturer and supplier, material, and net dry-air mass in each container.

.3 Hydraulic Erosion Control Product (HECP).

.1 Shipping Bill: issued by supplier of material, identifying manufacturer and supplier, material, and net dry-air mass in each container.

.4 Fertilizer

.1 Shipping Bill: issued by supplier of material, identifying manufacturer and supplier, material, and net dry-air mass in each container.

.2 Guarantees.

.3 Chemical Analysis.

.2 Unless advised otherwise in advance of the work by the Departmental Representative, submit in writing to the Departmental Representative 14 days prior to commencing work:

.1 Volume capacity of hydraulic seeder in litres.

.2 Amount of material to be used per tank based on volume.

.3 Number of tank loads required per hectare to apply specified slurry mixture per hectare.

1.3 Scheduling

.1 Schedule Hydraulic Seeding to coincide with the completion of the surface on which the hydraulic seeding shall be applied and Construction Staging requirements as outlined in Section 01 14 00 - Work Restrictions, Access Development, Construction Staging, and Restoration.

1.4 Product Handling and Storage

.1 Deliver and store seed in original containers individually labeled in accordance with "Seeds Regulations" and indicating name of supplier.

.2 Deliver and store seed and fertilizer out of adverse weather.

.3 Protect all product as required during transportation and storage.

.4 Remove from project area, product that has become wet or otherwise damaged during transportation or storage or does not meet requirements specified.

PART 2 – PRODUCTS

2.1 Materials

.1 Seed: "Canada pedigreed grade" in accordance with Government of Canada Seeds Act and Regulations.

.1 Grass Mixture: "Certified", Canada No. 1 seed for common cultivars in accordance with Government of Canada Seeds Act and Regulations and shall conform to the following seed mixes for the applicable project locations:

Table 32 93 21 – 01: Grass Seed Mix

% By Weight	Species
30%	Creeping Red Fescue
20%	Slender Wheatgrass

10%	Alsike Clover
10%	Timothy
10%	Canada Bluegrass
15%	Smooth Brome Grass
5%	Sheep Fescue

.2 Fall rye.

.2 Biotic Soil Media shall be a Wood Fibre Based Product certified for use in Canada containing the following ingredients:

.1 Renewable Thermally Refined Bark and Wood Fibers

.2 Biochar

.3 Cross-Linked Polysaccharide Biopolymers

.4 Soil Building Components Containing Seaweed Extract, Humic Acid, and Endomycrrhizae.

.3 Hydraulic Erosion Control Product (HECP) shall be a Wood Fibre Product certified for use in Canada with the following properties as detailed in Table 32 93 21 – 03:

Table 32 93 21 – 03: HECP

Physical Properties (1)	**Test Method**	**Test Value**
Thickness	ASTM D6525 (2)	≥ 4 mm
Ground Cover	ASTM D6567 (2)	≥ 98%
Mass/Unit Area	ASTM D6566 (2)	≥ 390 g/m^2
Water Holding Capacity	ASTM D7367	≥ 1,400%
Material Color	Observed	Green
Physical Properties (1)	**Test Method**	**Test Value**
Cover Factor (3)	Large Scale (5)	≤ 0.05
Percent Effectiveness (4)	Large Scale (5)	≥ 95%
Cure Time	Observed	4 – 24 Hours

Vegetation Establishment	ASTM D7322 (2)	≥ 600%
Functional Longevity	ASTM 5338	≤ 12 Months
Environmental Properties	**Test Method**	**Test Value**
Ecotoxicity	EPA 2021.0	48-hr LC_{50}> 100%
Biodegradability	ASTM D5338	Yes
Product Composition		**Typical Value**
Thermally Processed (7) (within a pressurized vessel) Virgin Wood Fiber		77%
Wetting Agents - including high-viscosity, colloidal polysaccharides, crossed-linked biopolymers and water absorbents (>10% of total formulation)		18%
Crimped, Biodegradable Interlocking Fibers		2.5%
Micro-Pore Granules		2.5%

Notes:

(1) When uniformly applied at a rate of 3,500 pounds per acre (3,900 kilograms/hectare) under laboratory conditions.

(2) ASTM test methods developed for Rolled Erosion Control Products that have been modified to accommodate Hydraulic Erosion Control Products.

(3) Cover Factor is calculated as soil loss ratio of treated surface versus an untreated control surface.

(4) % Effectiveness = One minus Cover Factor multiplied by 100%.

(5) Large scale testing conducted at Utah Water Research Laboratory and Texas Transportation Institute. For specific testing information please contact a Profile technical service representative at 800-508-8681.

(6) Functional Longevity is the estimated time period, based upon ASTM D5338 testing and field observations, that a material can be anticipated to provide erosion control and agronomic benefits as influenced by composition, as well as site-specific conditions, including; but not limited to — temperature, moisture, light conditions, soils, biological activity, vegetative establishment and other environmental factors.

(7) Heated to a temperature greater than 380 degrees Fahrenheit (193 degrees Celsius) for 5 minutes at a pressure greater than

50 psi (345 kPa) in order to be Thermally Refined®/Processed and to achieve phytosanitization.

.4 Water: free of impurities that would inhibit germination and growth.

.5 Fertilizer:

.1 To Canada Fertilizers Act and Regulations.

.2 Complete synthetic, ratio: 18:18:18.

2.2 Equipment

.1 Capable of mixing and evenly distributing seed, fertilizer, Biotic Soil Media, and HECP mixtures for efficient treatment of areas to be seeded.

.2 Agitation system:

.1 To be built-in.

.2 To have sufficient capacity to agitate, suspend and homogeneously mix slurry of materials in amounts specified using slurry recirculation or mechanical agitation method.

.3 To be capable of operating during seeding and charging of the tank.

.3 Slurry tank to have working capacity of at least 4,500 litres with pump capable of maintaining continuous, nonfluctuating stream of slurry. Distribution lines to be equipped with appropriate nozzles and of sufficient diameter to prevent blockage. Tank volume to be certified by certifying authority and identified by authorities with the Volume Certification Plate.

.4 Capable of seeding by 50 m hand operated hose or tower with appropriate nozzles.

PART 3 – EXECUTION

3.1 Workmanship

.1 Apply Hydraulic Seeding in all areas of topsoil, cut/fill slopes, disturbed areas, or other areas as detailed in these specifications or as directed by the Departmental

Representative.

.2 Do not spray onto structures, signs, guiderails, plant material, and other than surfaces intended.

.3 Clean-up immediately, any material sprayed where not intended, to satisfaction of Departmental Representative.

.4 Do not perform work under adverse field conditions such as wind speeds that will carry product beyond area designed for hydraulic seeding or not uniformly applied, frozen ground or ground covered with snow, ice or standing water, or other adverse conditions unless otherwise pre-approved by the Departmental Representative.

.5 Protect seeded areas from trespass until plants are established.

3.2 Protection of Surfaces

.1 Fine grade areas to be seeded free of humps and hollows. Ensure areas are free of deleterious and refuse materials.

.2 Obtain Departmental Representative's review of grade, finished surface, and topsoil depth before starting to seed.

3.3 Preparation of Slurry

.1 Measure quantities of materials by weight or weight-calibrated volume measurement. Supply equipment required for this work.

.2 Calculate amount of material to be used and area to be covered for each tank load utilizing size of slurry tank and carrying capacities of water.

.3 Charge required water into seeder. Add material into hydraulic seeder under agitation. Pulverize Biotic Soil Media and HECP and charge slowly into seeder. Use optimum carrying capacity of water relative to Biotic Soil Media, and HECP as follows:

.1 Biotic Soil Media: 55kg/1000 L.

.2 HECP: 43kg/1000 L.

.4 Mix thoroughly to complete the slurry once all other material is in the seeder.

3.4 Slurry Application

.1 Hydraulic seeding equipment:

.1 Slurry tank.

.2 Agitation system for slurry to be capable of operating during charging of tank and during seeding, consisting of recirculation of slurry and /or mechanical agitation method.

.3 Capable of seeding by 50 m hand operated hoses or tower with appropriate nozzles.

.2 The hydraulic seeding slurry mixture shall be applied in two separate applications. The second application shall be applied within 24 hours of the first application. The slurry mixture per hectare of each application shall be as follows:

.1 Application 1 (Biotic Soil Media and Seed):

.1 Biotic Soil Media: 3500 kg

.2 Fall rye: 110 kg.

.3 Fertilizer: 360 kg.

.2 Application 2 (HECP):

.1 HECP: 3900 kg.

.2 Grass Seed Mixture: 125 kg.

.3 Thoroughly mix and uniformly apply slurry, at optimum angle of application for adherence to surfaces and germination of seed over area to be seeded.

.1 Using correct nozzle for application.

.2 Using hoses for surfaces difficult to reach and to control application.

.4 Blend application 300 mm into adjacent grass areas previous applications to form uniform surfaces.

.5 Re-apply where application is not uniform.

.6 Immediately remove slurry from items and areas not designated to be sprayed.

.7 Protect seeded areas from trespass and damage.

.8 Remove protection devices.

3.5 Warranty and Maintenance

.1 The Contractor shall warranty the Hydraulic Seeding free of defects in accordance with General Conditions (GC3.13), for one full growing season or 12 months from the date of Substantial Performance whichever is greater.

.2 It is the responsibility of the Contractor to complete maintenance as the Contractor deems necessary on the Hydraulic Seeding such that a 90% survival rate is achieved at the end of the warranty period.

.3 If at the end or prior to the end of the warranty period a 90% survival rate is not achieved the Contractor shall at his own expense replace Hydraulic Seeding not surviving or in poor condition except when the loss or damage can be proven to be due to abnormal weather, or any causes beyond the control of the Contractor.

.4 An end-of-warranty inspection will be conducted by the Departmental Representative.

END OF SECTION

SECTION INCLUDES

PART 1 – GENERAL:

1.1 General

1.2 Measurement and Payment Procedures.

1.3 References.

1.4 Definitions.

1.5 Submittals.

1.6 Environmental.

1.7 Delivery, Storage, and Handling.

PART 2 – PRODUCTS:

Part 2a: PRODUCTS (Open Cut Method)

2.1a Aluminized CSP Culvert.

2.2a Steel Pipe Culvert.

2.3a Zinc-Rich Paint.

2.4a Welding.

2.5a Culvert Bedding Material.

2.6a Nonwoven Geotextile.

2.7a Riprap.

2.8a Embankment.

2.9a Common Fill.

Part 2b: PRODUCTS (Trenchless Method)

2.1b Steel Pipe Culvert.

2.2b Welding.

2.3b Nonwoven Geotextile.

2.4b Riprap.

2.5b Common Fill.

2.6b Bentonite.

PART 3 - EXECUTION:

Part 3a – EXECUTION (Open Cut Method):

3.1a Culvert Removal (if Applicable).

3.2a Culvert Bedding.

3.3a Culvert Placement.

3.4a Culvert Joints / Connections.

3.5a Crushed Base Gravel.

3.6a Culvert Ditching and End Protection.

Part 3b – EXECUTION (Trenchless Method):

3.1b Equipment.

3.2b Installation.

3.3b Culvert Ditching and End Protection.

3.4b Clean Up.

PART 1 – GENERAL

1.1 General

.1 The installation of the 800 mm diameter culvert replacements at the accesses of the Km 525.4 Chain Up Area and the Km 546.8 Chain Up Area, the 600 mm diameter culvert extensions at Km 534.43, the 600 mm diameter culvert at the Km 545.3 Slope Reconstruction, the 600 mm / 800 mm diameter culvert extension at the Km 546.8 Chain Up Area shall be installed by the Contractor using the open cut method. The Steel Pipe Culvert shall be installed by excavation, partial removal/disposal of existing culvert to facilitate

new culvert install, placement of new culvert, followed by backfill and compaction as per Part 1, Part 2a or Part 2b (refer to the Contract Drawings for the type of culvert to be installed at the proposed location), and Part 3a of this specifications.

.4 The installation of the 900 mm diameter culvert at Km 530.5 shall be installed by the Contractor using Trenchless Method. The Steel Pipe Culvert shall be installed by hydraulically installing adjacent to the existing culvert, followed by decommissioning of the existing culvert and drainage works necessary to divert water flow into the new culvert location as per Part 1, Part 2b and Part 3b of this specification section.

1.2 Measurement and Payment Procedures

.1 Payment for the supply and installation of a new 800 mm diameter culvert at the Km 525.4 Chain Up Area will be made on the basis of the Price per Unit Bid for 800 mm Culvert - Km 525.4 Chain Up Area Access in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the excavation, dewatering (as required), and the supply, transport, install of new steel pipe culvert and culvert bedding material, welding of the steel pipe culvert sections, and all other items for the steel pipe culvert and all other items necessary for the successful completion of the work.

.2 Measurement for Payment for completion of 800 mm Culvert - Km 525.4 Chain Up Area Access will be made on the length of culvert surveyed in lineal metres, measured parallel to the direction of the culvert along the invert of the culvert, and accepted by the Departmental Representative.

.3 Payment for the completion of Km 534.43 culvert extensions will be made on the basis of the Price per Unit Bid for 600 mm Culvert - Km 534.43 Culvert Extension in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the excavation, dewatering (as required), and the supply, transport, install of a new culvert segment and culvert bedding material and all other items (couplings, fittings, and hardware) required to extend the culvert and all other items necessary for the successful completion of

the work. Payment for ditching and riprap end protection will be paid separately as Km 534.43 Culvert Ditching and End Protection on the unit price table.

.4 Measurement for Payment for completion of Km 534.43 Culvert Extension will be made by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.

.5 Payment for the supply and install of the Km 545.3 Ditch and Slope Re-establishment Culvert will be made on the basis of the Price per Unit Bid for 600 mm Culvert - Km 545.3 Ditch and Slope Re-establishment in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the excavation, dewatering (as required), removal, and the supply, transport, install of new steel pipe culvert and culvert bedding material, welding of the steel pipe culvert sections, and all other items for the steel pipe culvert and all other items necessary for the successful completion of the work. Excavation of slope and ditch to design lines and grades shall be completed and paid per Section 31 24 14 – Excavation, Embankment, and Topsoil.

.6 Measurement for Payment for completion of the 600 mm Culvert - Km 545.3 Ditch and Slope Re-establishment will be made on the length of culvert surveyed in lineal metres, measured parallel to the direction of the culvert along the invert of the culvert, and accepted by the Departmental Representative.

.7 Payment for the supply and installation of a new 800 mm diameter culvert at the Km 546.8 Chain Up Area will be made on the basis of the Price per Unit Bid for 800 mm Culvert - Km 546.8 Chain Up Area Access in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the excavation, dewatering (as required), removal, and the supply, transport, install of new steel pipe culvert and culvert bedding material, welding of the steel pipe culvert sections, and all other items necessary for the successful completion of the work.

.8 Measurement for Payment for completion of 800 mm Culvert - Km 546.8 Chain Up Area Access will be made

on the length of culvert surveyed in lineal metres, measured parallel to the direction of the culvert along the invert of the culvert, and accepted by the Departmental Representative.

.9 Payment for the installation of an extension of the existing pipe at the Km 546.8 Chain Up Area will be made on the basis of the Price per Unit Bid for 600 - 800 mm Culvert - Km 546.8 Chain Up Pipe Extension in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs associated with the confirmation of the culvert size prior to ordering, excavation, dewatering (as required), removal, and the supply, transport, install of new CSP culvert and culvert bedding material and all other items (couplings, fittings, and hardware) for the steel pipe culvert and all other items necessary for the successful completion of the work.

.10 Measurement for Payment for completion of the 600 - 800 mm Culvert - Km 546.8 Chain Up Pipe Extension will be made on the length of culvert surveyed in lineal metres, measured parallel to the direction of the culvert along the invert of the culvert, and accepted by the Departmental Representative.

.11 Payment for the supply and installation of a new 900 mm diameter culvert at Km 530.41 will be made on the basis of the Price per Unit Bid for 900 mm Culvert - Km 530.41 in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs included with the excavation, dewatering (as required), removal, and the supply, transport, install of new steel pipe culvert and culvert bedding material, welding of the steel pipe culvert sections, and all other items necessary for the successful completion of the work.

.12 Measurement for Payment for completion of 900 mm Culvert - Km 530.41 will be made on the length of culvert surveyed in lineal metres, measured parallel to the direction of the culvert along the invert of the culvert, and accepted by the Departmental Representative.

.13 Payment for the culvert ditching (excavation) and riprap end protection identified in the Contract Drawings will

be made on the basis of the Price per Unit Bid Ditching and End Protection - Various Locations in the Bid and Acceptance Form. The price per Unit Bid shall include all costs for dewatering (as required), excavation, loading, hauling, and disposal offsite of excavated materials, regrading, supply and placement of the riprap, supply and placement of the nonwoven geotextile (channel and ditch), placement of common fill (when required), and all other items necessary for successful completion of the work. At the Km 546.8 Chain Up Area Access Culvert and the Km 530.41 Culvert, the price per unit bid shall further include the costs to excavate a swale as shown on the Contract Drawings.

.14 Measurement for Payment for completion of Ditching and End Protection - Various Locations will be made by Lump Sum based on the percentage of the work completed and accepted by the Departmental Representative.

1.3 References

.1 Canadian Standards Association (CSA International), latest edition:

.1 CSA-G401, Corrugated Steel Pipe Products.

.2 CSA W59, Welded steel construction (metal arc welding).

.3 CSA W48, Filler metals and allied materials for metal arc welding.

.2 The Pipe Jacking Association – Guide to Best Practices for the Installation of Pipe Jacks and Microtunnels.

.3 American Society for Testing and Materials (ASTM), latest edition:

.1 ASTM D4832, Standard Test Methods for Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders.

.2 ASTM A252, Standard Specification for Welded and Seamless Steel Pipe Piles.

.3 ASTM D698, Standard Test Methods for Laboratory Compaction Characteristics of Soil

Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3)).

1.4 Definitions

.1 Embankment: gravels and rock material containing no more than 3% organic matter by mass and free from weeds, sod, roots, logs, stumps, frozen lumps, snow, ice, or any other unsuitable material as determined by the Departmental Representative. The maximum size of embankment rock placed within 300 mm of final grade of embankment material shall be 150 mm in diameter.

.2 Common Fill: native materials excavated onsite and meeting the material properties for embankment and thus suitable for re-use as fill material as indicated on the contract drawings.

.3 Open Cut Method: Either an Aluminized CSP Culvert or Steel Pipe Culvert shall be installed by excavation, removal/disposal of existing culvert, placement of new culvert, followed by backfill and compaction as per Part 1, Part 2a and Part 3a of these specifications.

.4 Trenchless Method: A Steel Pipe Culvert of required diameter shall be hydraulically installed adjacent to the existing culvert, followed by decommissioning of existing culvert and drainage works necessary to divert water flow into the new location as per Part 1, Part 2b and Part 3b of these specifications.

1.5 Submittals

.1 Submittals shall be in accordance with Section 01 33 00 – Submittal Procedures.

.2 The following submittals are required for all culverts:

.1 Prior to ordering materials, submit manufacturer's test data and certification in accordance with Section 01 33 00 – Submittal Procedures.

.2 Certification to be marked on pipe culverts.

.3 Submit to the Departmental Representative for review and acceptance construction staging and detour drawings as per Section 01 14 00 – Work Restrictions, Access Development, Construction Staging, and Restoration.

1.6 Environmental

.1 Complete culvert installation and related works in conformance with the requirements of Section 01 35 43 – Environmental Protection, the Contractor's accepted Environmental Protection Plan (EPP).

.2 The Contractor shall account for the possibility of not being able to complete work due to high flows or adverse weather conditions in the construction schedule and in the unit prices. No payment for temporary work stoppages due to high flows or adverse weather conditions will be made. See Item 3.2 – Work Completion, Subsection .5 through .7 inclusive of Contract Specification Section 01 11 10 – Summary of Work for more information.

1.7 Delivery, Storage, and Handling

.1 Handle and store pipe products in a manner to avoid damage, alteration, deterioration, and soiling.

.2 Where the material supplied is damaged, the Contractor shall immediately separate nested sections of the plate or pipe to facilitate more detailed inspection by the Departmental Representative. Culvert material designated by the Departmental Representative as unacceptable, due to damage or failure to meet specified requirements, shall be immediately repaired or replaced by the Contractor to the acceptance of the Departmental Representative.

PART 2a – PRODUCTS
(Open Cut Method)

2.1a Aluminized CSP Culvert

.1 Aluminized CSP Culverts shall be CSP with an aluminum coating such as Armtec Hel-Cor Aluminized Steel Type 2 CSP culverts, Atlantic Industries Limited Aluminized Type 2 CSP culverts, or a preapproved equivalent. All culverts used on the project shall conform to the following.

.1 Corrugated steel pipe: to CSA-G401.

.2 Culverts to be annular or spiral with annular ends. Coupling bands to be two piece annular bolted with minimum width of nine corrugations.

.3 Minimum wall thickness to be.

.1 Culverts ≤ 1800 mm Diameter: 2.0 mm.

.4 Corrugations to be:

.1 Culverts ≤ 1800 mm Diameter: 68 mm x 13 mm.

.5 Aluminized type 2 coating – provide 75 year service life in a low-abrasion environment with pH between 5 and 9 and resistivity above 1,500 ohm-cm.

.2 Ensure that all components for each particular Aluminized CSP Culvert comes from a single supplier.

2.2a Steel Pipe Culverts

.1 Provide steel pipe culverts of required diameter, minimum 12 mm wall thickness, and length as shown on the Contract Drawings. Substitution of pipe with larger diameter or thicker wall thickness to suit equipment availability or ground conditions shall be pre-approved by the Departmental Representative. The substitution of pipe with smaller diameter or thinner wall thickness will not be permitted.

.2 Steel pipe culverts shall be seamless or welded pipe (spiral or seam) conforming with the requirements of ASTM A252 with a minimum yield strength of 310 MPa.

.3 Steel pipe culverts shall be delivered to the site in uniform lengths.

.4 The Contractor shall be responsible for selection of appropriate pipe, pipe joints, and pipe wall thickness to carry the thrust of any trenchless installation forces or any other construction loads in combination with overburden, earth and hydrostatic loads. The trenchless installation equipment shall not unduly damage or distort the ends of the steel pipe culverts during the installation process.

2.3a Zinc-Rich paint .1 Zinc-rich paint shall be GalvaconTM or preapproved equivalent.

2.4a Welding .1 Welding materials to CSA W59.

.2 Welding electrodes to CSA W48 Series.

2.5a Culvert Bedding Material .1 Culvert Bedding material shall be Crushed Base Gravel and when specified on Contract Drawings in accordance with Section 31 05 16 – Aggregate General.

2.6a Nonwoven Geotextile .1 The Nonwoven Geotextile shall achieve or exceed the minimum requirements outlined in Table 33 42 13 - 01.

Table 33 42 13 – 01: Nonwoven Geotextile

Property	Test	Unit	Value
Grab Tensile Strength	ASTM-D4632	N (lb)	1335 (300)
Elongation	ASTM-D4632	%	50
CBR Puncture	ASTM-D6241	N (lb)	3671 (825)
Trapezoidal Tear	ASTM-D4533	195	512 (115)
Apparent Opening Size	ASTM-D4751	Mm (US Sieve)	0.150 (100)
Permittivity	ASTM-D4491	sec^{-1}	1.0
Water Flow Rate	ASTM-D4491	$l/m/m^2$ (gpm/ft^2)	3056 (75)
UV Resistance	ASTM-D4355	% retained at 500 hrs	70

2.7a Riprap .1 The riprap for the culvert end protection shall be 50 Kg Class Riprap accordance with Section 31 37 00 – Riprap.

2.8a Embankment .1 Embankment (backfill above culvert bedding) shall be reused material excavated from the trench meeting the following requirements.

.1 Be comprised of gravels and rocks containing no more than 3% organic matter by mass and free from weeds, sod, roots, logs, stumps, frozen lumps, snow, ice or any other unsuitable material

as directed by the Departmental Representative. The maximum size of embankment rock placed within 300 mm of final grade of embankment material shall be 150 mm in diameter.

2.9a Common Fill .1 Common Fill shall be native materials designated for excavation and achieving the material properties of embankment.

PART 2b – PRODUCTS
(Trenchless Method)

2.1b Steel Pipe Culverts .1 Provide steel pipe culverts of required diameter, minimum 12 mm wall thickness, and length as shown on the Contract Drawings. Substitution of pipe with larger diameter or thicker wall thickness to suit equipment availability or ground conditions shall be pre-approved by the Departmental Representative. The substitution of pipe with smaller diameter or thinner wall thickness will not be permitted.

.2 Steel pipe culverts shall be seamless or welded pipe (spiral or seam) conforming with the requirements of ASTM A252 with a minimum yield strength of 310 MPa.

.3 Steel pipe culverts shall be delivered to the site in uniform lengths.

.4 The Contractor shall be responsible for selection of appropriate pipe, pipe joints, and pipe wall thickness to carry the thrust of any trenchless installation forces or any other construction loads in combination with overburden, earth and hydrostatic loads. The trenchless installation equipment shall not unduly damage or distort the ends of the steel pipe culverts during the installation process.

2.2b Welding .1 Welding materials to CSA W59.

.2 Welding electrodes to CSA W48 Series.

2.3b Nonwoven Geotextile .1 The Nonwoven Geotextile shall achieve or exceed the minimum requirements outlined in Table 33 42 13 - 02.

Table 33 42 13 – 02: Nonwoven Geotextile

Property	Test	Unit	Value
Grab Tensile Strength	ASTM-D4632	N (lb)	1335 (300)
Elongation	ASTM-D4632	%	50
CBR Puncture	ASTM-D6241	N (lb)	3671 (825)
Trapezoidal Tear	ASTM-D4533	195	512 (115)
Apparent Opening Size	ASTM-D4751	Mm (US Sieve)	0.150 (100)
Permittivity	ASTM-D4491	sec^{-1}	1.0
Water Flow Rate	ASTM-D4491	$l/m/m^2$ (gpm/ft^2)	3056 (75)
UV Resistance	ASTM-D4355	% retained at 500 hrs	70

2.4b Riprap .1 The riprap for the culvert end protection shall be accordance with Section 31 37 00 – Riprap.

2.5b Common Fill .1 Common Fill shall be native materials designated for excavation and achieving the material properties of embankment.

2.6b Bentonite .1 The Contractor shall propose to the Departmental Representative a sodium bentonite product for use as self-sealing low permeability barrier. The sodium bentonite shall be provided in powder form, insoluble in water, and have a low thickening and good binding properties.

PART 3a – EXECUTION
(Open Cut Method):

3.1a Culvert Removal (if Applicable) .1 Excavate and remove existing culvert (if applicable) and associated components as indicated on the Contract Drawings. Dispose of culvert materials in an offsite disposal facility permitted to accept culvert materials and acceptable to the Departmental Representative.

.2 Temporarily stockpile excavated material for later disposal or reuse as Embankment provided the material excavated achieves the criteria for Embankment.

3.2a Culvert Bedding

.1 Complete excavation and dewater excavation, as necessary, to allow placement of culvert bedding in dry condition. Excavate to the lines and grades shown on the contract drawings.

.2 Place required Geotextile and Culvert Bedding Material (Crushed Base Gravel) in preparation for culvert placement on the bottom of excavation to the thickness and locations shown on Contract Drawings and compact. Compact final 150 mm lift of bedding material on bottom side of culvert in contact with corrugation to 95% of the standard maximum dry density in accordance with ASTM D6938. Compact other lifts to a minimum 98% of the standard maximum dry density in accordance with ASTM D6938.

.3 Shape Culvert Bedding Material to fit lower segment of pipe exterior so that width of at least 50% of pipe diameter is in close contact with bedding and to the camber as indicated on the Contract Drawings, free from sags or high points.

.4 Backfill with Culvert Bedding Material around and over culverts as indicated on the Contract Drawings.

.5 Place Culvert Bedding Material in 150 mm lifts to full width of trench alternating on each side of culvert, so as not to allow movement or uplift of the culvert.

.6 Compact each lift to a density not less than 98% of the standard maximum dry density in accordance with ASTM D6938 taking special care to obtain required density under haunches. Hand tamp where necessary to obtain compaction.

.7 Place Culvert Bedding Material in an unfrozen condition free from snow and ice.

3.3a Culvert Placement

.1 Place culvert such that when complete the alignment, grade, camber, location, and inverts are incompliance with the alignment, grade, location, and inverts shown on the Contract Drawings.

.2 Begin pipe placing at downstream end.

.3 Ensure bottom of pipe is in contact with shaped bed or compacted fill throughout its length.

.4 Do not allow water to flow through pipes during construction except as permitted by Departmental Representative.

3.4a Culvert Joints / Connections

.1 For Aluminized Corrugated Steel Pipe Culverts:

.1 Install culvert joints per the manufacturer's recommendation and following requirements.

.2 Repair spots where damage has occurred to coating in the field by applying two coats of zinc rich paint. Allow each coat to dry before placing second coat, bedding or backfill.

.2 For Steel Pipe Culverts:

.11 Fuse Steel Pipe Culverts sections using Full Penetration Butt welds. Complete welding in accordance with CSA W59.

3.5a Crushed Base Gravel

.1 Supply and place Crushed Base Gravel above embankment materials in accordance with Section 32 11 24 – Crushed Base Gravel. Maintain the crushed base gravel in a condition suitable for traffic, free of pot holes, with necessary signage installed until such time as the ACP driving surface is installed by the Contractor.

3.6a Culvert Ditching and End Protection

.1 Excavate ground to the lines and grades shown on the Contract Drawings to facilitate the proposed ditch width and the installation of the riprap end protection at both the inlet and outlet ends. Ensure excavation will allow for positive drainage upon placement of riprap.

.2 Temporarily stockpile excavated material for later disposal or reuse as Common Fill provided the material excavated achieves the criteria for Embankment and fill is required as per the Contract Drawings. Dispose of excess excavated material offsite at a location pre-approved by the Departmental Representative.

.3 Place Common Fill Material to the design lines and grades shown on the Contract Drawings in 300 mm lifts

and compacted to 95% of the standard maximum dry density in accordance with ASTM D6938.

.4 Install 50 Kg Class Riprap and Nonwoven Geotextile to the lines and grades shown on the Contract Drawings. Ensure positive drainage following riprap placement.

.5 Dress all riprap voids to ensure that the final surface is well keyed, densely placed, uniform, and allows for positive drainage. Ensure that all surface voids are filled and nonwoven geotextile is concealed by the riprap.

PART 3b – EXECUTION
(Trenchless Method)

3.1b Equipment

.1 The Contractor shall be solely responsible for selection of trenchless installation equipment capable of handling the culvert size, ground conditions, and existing soils.

3.2b Installation

.1 Divert the existing flows from the area of work using a berm or pumps as required and prevent sediment-laden water from entering the water course.

.2 Use trenchless methods that will minimize movement of the ground in front of and surrounding the steel pipe culverts.

.3 Perform the trenchless installation as to avoid interference with the operation of the vehicles travelling the highway.

.4 Install new culvert such that the outside edge is 1.5 m or less in distance from the outside edge of the existing culvert.

.5 Install suitable gravel pad and or thrust reaction blocks as required for trenchless equipment. Complete excavation as necessary for install of the pipe lengths while minimizing the construction footprint to the extent possible.

.6 Divert stream water, drainage, and discharge from dewatering away from the trenchless operations to a location in compliance with the Contractor’s accepted Environmental Protection Plan (EPP).

.7 Install steel pipe culvert ensuring the culvert is not reverse graded at any point along the culvert and +/- 300 mm of the true design line and level at any point along the culvert. Adjustments to the line and level should be gradual to ensure that the steel pipe or joints are not damaged. Monitor line and level of the culvert with appropriate instruments.

.8 Monitor ground movement (settlement and heave) throughout the trenchless installation. Halt all operations, take immediate remedial action (including notification of the Departmental Representative) if ground movements greater than +/- 50 mm are detected.

.9 If ground movements in excess of +/- 50 mm are detected, the Departmental Representative will consult with the Contractor and others if required to determine the most appropriate course of action. The install of the steel pipe culverts can only commence again following approval from the Departmental Representative.

.10 Cushion pipe joints as necessary to transmit the jacking forces without damage to the steel pipe or steel pipe joints.

.11 Fuse Steel Pipe Culverts sections using Full Penetration Butt welds. Complete welding in accordance with CSA W59.

.12 If necessary maintain an envelope of bentonite slurry around the exterior of the pipe during the trenchless installation to reduce the exterior friction and reduce the possibility of the pipe seizing in place.

.13 If the steel pipe culvert seizes in place and Contractor elects to construct a recovery access shaft, pre-approval must first be obtained from the Departmental Representative.

.14 In the event a section of pipe is damaged during the trenchless installation, or joint failure occurs, as evident by inspection, visible ground water inflow or other observations, the Contractor shall submit for approval his methods for repair or replacement of the steel pipe

culvert. Any steel pipe damage or misalignment of the steel pipe shall be removed and replaced by the Contractor at no additional costs to the owner.

.15 Ensure no voids between the outside of the steel pipe culvert and ground result from the trenchless installation process. Any voids which form shall be filled with pressure grouting. If pressure grouting is necessary, submit pressure grouting materials and procedures to the Departmental Representative for review and acceptance prior to undertaking the work.

.16 In the event an obstruction is encountered during the trenchless less installation process, notify the Departmental Representative immediately. Await further instruction from the Departmental Representative before proceeding.

.17 Install Culvert Bedding Material (see Item 3.2a – Culvert Bedding of this specification) around any length of pipe installed using Trenchless Method that upon installation is not completely encircled with native, undisturbed embankment material (ex. end of steel pipe at jacking pit or steel pipe which has been exposed to remove obstruction).

.18 Remove soil materials from within the steel pipes using appropriate equipment. Temporarily stockpile materials for off-site disposal.

.19 Trim ends of steel pipe culverts per the lines shown on the Contract Drawings.

.20 At Km 277.40 (Polk A Dot Creek) Overflow Culvert, remove and temporarily stockpile existing riprap in the vicinity of the proposed culvert prior to installation of the proposed overflow culvert. Upon installation of the proposed overflow culvert, place existing riprap around the inlet and outlet of the proposed overflow culvert. Replace any existing riprap damaged during the culvert installation process. Ensure all riprap disturbed by the works is free from voids, well keyed, densely placed, uniform, allows for positive drainage, and free from contamination and deleterious materials.

3.3b Culvert Ditching and End Protection.

.1 Excavate ground to the lines and grades shown on the Contract Drawings to facilitate the proposed ditch realignment and the installation of the riprap end protection at both the inlet and outlet ends. Ensure excavation will allow for positive drainage upon placement of riprap. Prior to excavation at Km 442.60 and Km 473.29 culvert, complete Clearing and Grubbing as per Section 31 11 10 – Clearing and Grubbing and as shown on the Contract Drawings. Dispose of removed trees offsite at a location pre-approved by the Departmental Representative.

.2 Temporarily stockpile excavated material for later disposal or reuse as Common Fill provided the material excavated achieves the criteria for Embankment and fill is required as per the Contract Drawings. Dispose of excess excavated material offsite at a location pre-approved by the Departmental Representative.

.3 Place Common Fill Material to the design lines and grades shown on the Contract Drawings in 300 mm lifts and compacted to 95% of the standard maximum dry density in accordance with ASTM D698.

.4 Place Bentonite and Crushed Base Gravel on the inlet end of each culvert to the thicknesses and locations shown on the contract drawings.

.5 Install 50 Kg Class Riprap and Nonwoven Geotextile to the lines and grades shown on the Contract Drawings. Ensure positive drainage following riprap placement.

.6 Dress all riprap voids to ensure that the final surface is well keyed, densely placed, uniform, and allows for positive drainage. Ensure that all surface voids are filled and nonwoven geotextile is concealed by the riprap.

3.4b Clean-up

.1 Clean-up all disturbed areas to an equal or better condition to that prior to construction.

.2 Hydraulic Seeding of all disturbed areas per Section 32 93 21 – Hydraulic Seeding.

END OF SECTION

SECTION INCLUDES

PART 1 - General:

1.1 Measurement and Payment Procedures.

1.2 References.

PART 2 - Execution:

2.1 Disposal of Precast Concrete Barriers.

PART 1 – GENERAL

1.1 Measurement and Payment Procedures

.1 Payment for the disposal of existing precast concrete barriers will be made on the basis of the Price per Unit Bid for Disposal Existing Precast Concrete Barrier in the Bid and Acceptance Form. The Price per Unit Bid shall include all costs for loading, transport, and stockpiling of the precast concrete barriers, and all other items necessary for successful completion of the work.

.2 Measurement for Payment for completion of Disposal Existing Precast Concrete Barrier will be made by the count of each type of precast concrete barrier removed from the site and disposed as accepted by the Departmental Representative.

1.2 References

.1 British Columbia MoTI – 2020 Standard Specifications for Highway Construction.

PART 2 – EXECUTION

2.1 Disposal

.1 Unless Directed otherwise by Departmental Representative, dispose of excess precast concrete barrier from the work at PSPC's Fort Nelson Maintenance Yard. The Contractor shall take necessary precautions to prevent damage to the precast concrete barriers during the removal, transport, and stockpiling process.

.2 Stockpile the existing precast concrete barrier in a neat fashion and location preapproved by the Departmental Representative within PSPC's Fort Nelson Maintenance Yard.

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
520+010.71	110	464,799.680	6,512,220.270	1.80%	-2.00%	-5.2	5.2	-0.010	0.007	0.099	531.487	531.561	531.274	531.477	531.568	531.373	531.587	531.678	531.483
520+015.23	110	464,798.355	6,512,215.954	2.00%	-2.00%	-5.2	5.2	-0.017	-0.012	0.082	531.607	531.705	531.398	531.590	531.693	531.48	531.700	531.803	531.59
520+030.00	110	464,796.945	6,512,211.393	2.30%	-2.30%	-5.2	5.2	-0.010	-0.020	0.073	531.720	531.848	531.520	531.710	531.828	531.593	531.820	531.938	531.703
520+037.73	110	464,791.621	6,512,194.486	3.20%	-3.20%	-5.2	5.2	-0.017	0.038	0.054	532.155	532.260	531.922	532.138	532.298	531.976	532.248	532.408	532.086
520+040.00	110	464,790.926	6,512,192.321	3.20%	-3.20%	-5.2	5.2	-0.020	0.049	0.052	532.210	532.307	531.971	532.190	532.356	532.023	532.300	532.466	532.133
520+060.00	110	464,784.686	6,512,173.319	3.20%	-3.20%	-5.2	5.2	-0.021	0.057	0.020	532.624	532.713	532.417	532.603	532.77	532.437	532.713	532.880	532.547
520+080.00	110	464,778.215	6,512,154.395	3.20%	-3.20%	-5.2	5.2	-0.016	0.050	0.041	533.001	533.102	532.778	532.985	533.152	532.819	533.095	533.262	532.929
520+100.00	110	464,771.516	6,512,135.550	3.20%	-3.20%	-5.2	5.2	-0.015	0.051	0.032	533.356	533.457	533.143	533.341	533.508	533.175	533.451	533.618	533.285
520+120.00	110	464,764.589	6,512,116.788	3.20%	-3.20%	-5.2	5.2	-0.021	0.061	0.017	533.732	533.817	533.528	533.711	533.878	533.545	533.821	533.988	533.655
520+140.00	110	464,757.435	6,512,098.112	3.20%	-3.20%	-5.2	5.2	-0.020	0.065	0.013	534.144	534.225	533.944	534.124	534.29	533.957	534.234	534.400	534.067
520+160.00	110	464,750.055	6,512,079.523	3.20%	-3.20%	-5.2	5.2	-0.010	0.073	0.020	534.565	534.649	534.369	534.555	534.722	534.389	534.665	534.832	534.499
520+180.00	110	464,742.450	6,512,061.026	3.20%	-3.20%	-5.2	5.2	-0.010	0.061	-0.003	534.939	535.034	534.766	534.929	535.095	534.763	535.039	535.205	534.873
520+200.00	110	464,734.622	6,512,042.622	3.20%	-3.20%	-5.2	5.2	-0.010	0.065	0.002	535.301	535.392	535.123	535.291	535.457	535.125	535.401	535.567	535.235
520+220.00	110	464,726.571	6,512,024.314	3.20%	-3.20%	-5.2	5.2	-0.015	0.072	0.013	535.686	535.766	535.492	535.671	535.838	535.505	535.781	535.948	535.615
520+230.78	110	464,722.139	6,512,014.485	3.20%	-3.20%	-5.2	5.2	-0.020	0.061	0.018	535.894	535.977	535.692	535.874	536.038	535.71	535.984	536.148	535.82
520+240.00	110	464,718.300	6,512,006.104	2.70%	-2.70%	-5.2	5.2	-0.020	0.028	0.052	536.064	536.157	535.851	536.044	536.185	535.903	536.154	536.295	536.013
520+253.28	110	464,712.701	6,511,994.060	2.00%	-2.00%	-5.2	5.2	-0.020	-0.008	0.096	536.313	536.410	536.087	536.293	536.402	536.183	536.403	536.512	536.293
520+260.00	110	464,709.845	6,511,987.980	2.00%	-2.00%	-5.2	5.2	-0.020	-0.007	0.106	536.443	536.534	536.213	536.423	536.527	536.319	536.533	536.637	536.429
520+280.00	110	464,701.277	6,511,969.908	2.00%	-2.00%	-5.2	5.2	-0.020	0.009	0.097	536.803	536.878	536.582	536.783	536.887	536.679	536.893	536.997	536.789
520+290.78	110	464,696.637	6,511,960.175	2.00%	-2.00%	-5.2	5.2	-0.025	0.015	0.092	536.992	537.054	536.771	536.967	537.069	536.863	537.077	537.179	536.973
520+300.00	110	464,692.668	6,511,951.855	1.50%	-2.00%	-5.2	5.2	-0.025	0.013	0.077	537.169	537.209	536.963	537.144	537.222	537.04	537.254	537.332	537.15
520+320.00	110	464,684.058	6,511,933.804	0.40%	-2.00%	-5.2	5.2	-0.025	0.036	0.052	537.575	537.537	537.394	537.550	537.573	537.446	537.660	537.683	537.556
520+340.00	110	464,675.447	6,511,915.752	-0.60%	-2.00%	-5.2	5.2	-0.015	0.062	0.041	537.964	537.854	537.804	537.949	537.916	537.845	538.059	538.026	537.955
520+360.00	110	464,666.837	6,511,897.700	-1.70%	-2.00%	-5.2	5.2	-0.015	0.014	0.035	538.338	538.221	538.184	538.323	538.235	538.219	538.433	538.345	538.329
520+365.78	110	464,664.347	6,511,892.482	-2.00%	-2.00%	-5.2	5.2	-0.015	0.017	0.042	538.451	538.327	538.290	538.436	538.344	538.332	538.546	538.454	538.442
520+380.00	110	464,658.226	6,511,879.649	-2.00%	-2.00%	-5.2	5.2	-0.015	0.020	0.056	538.731	538.592	538.556	538.716	538.612	538.612	538.826	538.722	538.722
520+400.00	110	464,649.616	6,511,861.597	-2.00%	-2.00%	-5.2	5.2	-0.015	0.033	0.077	539.129	538.977	538.933	539.114	539.01	539.01	539.224	539.120	539.12
520+420.00	110	464,641.005	6,511,843.546	-2.00%	-2.00%	-5.2	5.2	-0.020	0.027	0.056	539.499	539.348	539.319	539.479	539.375	539.375	539.589	539.485	539.485
520+440.00	110	464,632.395	6,511,825.494	-2.00%	-2.00%	-5.2	5.2	-0.015	0.047	0.062	539.891	539.725	539.710	539.876	539.772	539.772	539.986	539.882	539.882
520+460.00	110	464,623.784	6,511,807.443	-2.00%	-2.00%	-5.2	5.2	-0.015	0.023	0.059	540.275	540.133	540.097	540.260	540.156	540.156	540.370	540.266	540.266
520+480.00	110	464,615.174	6,511,789.391	-2.00%	-2.00%	-5.2	5.2	-0.020	0.028	0.080	540.686	540.534	540.482	540.666	540.562	540.562	540.776	540.672	540.672
520+500.00	110	464,606.563	6,511,771.339	-2.00%	-2.00%	-5.2	5.2	-0.020	0.009	0.047	541.059	540.926	540.888	541.039	540.935	540.935	541.149	541.045	541.045
520+520.00	110	464,597.953	6,511,753.288	-2.00%	-2.00%	-5.2	5.2	-0.015	0.023	0.055	541.423	541.281	541.249	541.408	541.304	541.304	541.518	541.414	541.414
520+540.00	110	464,589.343	6,511,735.236	-2.00%	-2.00%	-5.2	5.2	-0.015	0.015	0.057	541.812	541.678	541.636	541.797	541.693	541.693	541.907	541.803	541.803
520+560.00	110	464,580.732	6,511,717.185	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.011	0.056	542.231	542.123	542.056	542.216	542.112	542.112	542.326	542.222	542.222
520+580.00	110	464,572.122	6,511,699.133	-2.00%	-2.00%	-5.2	5.2	-0.020	0.010	0.053	542.666	542.532	542.489	542.646	542.542	542.542	542.756	542.652	542.652
520+600.00	110	464,563.511	6,511,681.081	-2.00%	-2.00%	-5.2	5.2	-0.020	0.008	0.037	543.032	542.900	542.871	543.012	542.908	542.908	543.122	543.018	543.018
520+620.00	110	464,554.901	6,511,663.030	-2.00%	-2.00%	-5.2	5.2	-0.005	-0.005	0.062	543.412	543.308	543.241	543.407	543.303	543.303	543.517	543.413	543.413
520+640.00	110	464,546.290	6,511,644.978	-2.00%	-2.00%	-5.2	5.2	0.000	-0.040	0.064	543.788	543.724	543.620	543.788	543.684	543.684	543.898	543.794	543.794
520+660.00	110	464,537.680	6,511,626.927	-2.00%	-2.00%	-5.2	5.2	0.000	-0.008	0.037	544.193	544.097	544.052	544.193	544.089	544.089	544.303	544.199	544.199
520+680.00	110	464,529.069	6,511,608.875	-2.00%	-2.00%	-5.2	5.2	0.000	-0.026	0.050	544.619	544.541	544.465	544.619	544.515	544.515	544.729	544.625	544.625
520+700.00	110	464,520.459	6,511,590.823	-2.00%	-2.00%	-5.2	5.2	0.000	-0.019	0.061	545.020	544.935	544.855	545.020	544.916	544.916	545.130	545.026	545.026
520+720.00	110	464,511.848	6,511,572.772	-2.00%	-2.00%	-5.2	5.2	0.000	-0.010	0.041	545.409	545.315	545.264	545.409	545.305	545.305	545.519	545.415	545.415
520+740.00	110	464,503.238	6,511,554.720	-2.00%	-2.00%	-5.2	5.2	-0.005	0.028	0.062	545.852	545.715	545.681	545.847	545.743	545.743	545.957	545.853	545.853
520+760.00	110	464,494.627	6,511,536.669	-2.00%	-2.00%	-5.2	5.2	-0.005	0.034	0.023	546.241	546.098	546.109	546.236	546.132	546.132	546.346	546.242	546.242
520+780.00	110	464,486.017	6,511,518.617	-2.00%	-2.00%	-5.2	5.2	-0.005	0.028	0.037	546.634	546.497	546.488	546.629	546.525	546.525	546.739	546.635	546.635
520+800.00	110	464,477.407	6,511,500.565	-2.00%	-2.00%	-5.2	5.2	-0.005	0.015	0.039	547.013	546.889	546.865	547.008	546.904	546.904	547.118	547.014	547.014
520+820.00	110	464,468.796	6,511,482.514	-2.00%	-2.00%	-5.2	5.2	0.000	0.014	0.039	547.368	547.250	547.225	547.368	547.264	547.264	547.478	547.374	547.374
520+840.00	110	464,460.186	6,511,464.462	-2.00%	-2.00%	-5.2	5.2	0.000	0.032	0.038	547.718	547.582	547.576	547.718	547.614	547.614	547.828	547.724	547.724
520+860.00	110	464,451.575	6,511,446.411	-2.00%	-2.00%	-5.2	5.2	0.000	0.022	0.038	548.048	547.922	547.906	548.048	547.944	547.944	548.158	548.054	548.054
520+880.00	110	464,442.965	6,511,428.359	-2.00%	-2.00%	-5.2	5.2	0.000	0.029	0.039	548.345	548.212	548.202	548.345	548.241	548.241	548.455	548.351	548.351
520+900.00	110	464,434.354	6,511,410.307	-2.00%	-2.00%	-5.2	5.2	0.000	0.038	0.048	548.606	548.464	548.454	548.606	548.502	548.502	548.716	548.612	548.612
520+920.00	110	464,425.744	6,511,392.256	-2.00%	-2.00%	-5.2	5.2	0.000	0.027	0.058	548.844	548.713	548.682	548.844	548.74	548.74	548.954	548.850	548.85
520+940.00	110	464,417.133	6,511,374.204	-2.00%	-2.00%	-5.2	5.2	0.000	0.033	0.053	549.085	548.948	548.928	549.085	548.981	548.981	549.195	549.091	549.091
520+960.00	110	464,408.523	6,511,356.153	-2.00%	-2.00%	-5.2	5.2	0.000	0.039	0.016	549.245	549.102	549.125	549.245	549.141	549.141	549.355	549.251	549.251
520+980.00	110	464,399.912	6,511,338.101	-2.00%	-2.00%	-5.2	5.2	0.000	0.046	0.046	549.436	549.286	549.286	549.436	549.332	549.332	549.546	549.442	549.442
521+000.00	110	464,391.302	6,511,320.050	-2.00%	-2.00%	-5.2	5.2	0.000	0.049	0.036	549.564	549.411	549.424	549.564	549.46	549.46	549.674	549.570	549.57
521+020.00	110	464,382.692	6,511,301.998	-2.00%	-2.00%	-5.2	5.2	-0.005	0.081	0.031	549.669	549.479	549.529	549.664	549.56	549.56	549.774	549.670	549.67
521+040.00	110	464,374.081	6,511,283.946	-2.00%	-2.00%	-5.2	5.2	-0.005	0.058	0.016	549.749	549.582	549.624	549.744	549.64	549.64	549.854	549.750	549.75
521+060.00	110	464,365.471	6,511,265.895	-2.00%	-2.00%	-5.2	5.2	-0.005	0.056	0.024	549.805	549.640	549.672	549.800	549.696	549.696	549.910	549.806	549.806
521+080.00	110	464,356.860	6,511,247.843	-2.00%	-2.00%	-5.2	5.2	-0.005	0.048	0.012	549.859	549.702	549.738	549.854	549.75	549.75	549.964	549.860	549.86
521+100.00	110	464,348.250	6,511,229.792	-2.00%	-2.00%	-5.2	5.2	0.005	0.034	-0.009	549.873	549.740	549.783	549.878	549.774	549.774	549.988	549.884	549.884

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
521+120.00	110	464,339.639	6,511,211.740	-2.00%	-2.00%	-5.2	5.2	0.005	0.056	0.005	549.884	549.729	549.780	549.889	549.785	549.785	549.999	549.895	549.895
521+140.00	110	464,331.033	6,511,193.686	-2.00%	-2.00%	-5.2	5.2	0.000	0.070	-0.012	549.918	549.744	549.826	549.918	549.814	549.814	550.028	549.924	549.924
521+160.00	110	464,322.444	6,511,175.625	-2.00%	-2.00%	-5.2	5.2	0.000	0.071	0.021	549.962	549.787	549.837	549.962	549.858	549.858	550.072	549.968	549.968
521+180.00	110	464,313.854	6,511,157.563	-2.00%	-2.00%	-5.2	5.2	0.000	0.052	0.025	550.010	549.854	549.881	550.010	549.906	549.906	550.120	550.016	550.016
521+200.00	110	464,305.264	6,511,139.502	-2.00%	-2.00%	-5.2	5.2	0.000	0.062	-0.005	550.053	549.887	549.954	550.053	549.949	549.949	550.163	550.059	550.059
521+220.00	110	464,296.675	6,511,121.440	-2.00%	-2.00%	-5.2	5.2	-0.005	0.052	-0.029	550.101	549.940	550.021	550.096	549.992	549.992	550.206	550.102	550.102
521+240.00	110	464,288.085	6,511,103.379	-2.00%	-2.00%	-5.2	5.2	-0.005	0.025	-0.001	550.219	550.085	550.111	550.214	550.11	550.11	550.324	550.220	550.22
521+260.00	110	464,279.496	6,511,085.317	-2.00%	-2.00%	-5.2	5.2	-0.005	0.017	-0.008	550.394	550.268	550.293	550.389	550.285	550.285	550.499	550.395	550.395
521+280.00	110	464,270.906	6,511,067.256	-2.00%	-2.00%	-5.2	5.2	0.005	0.068	0.022	550.620	550.453	550.499	550.625	550.521	550.521	550.735	550.631	550.631
521+289.04	110	464,267.024	6,511,059.094	-2.00%	-2.00%	-5.2	5.2	0.007	0.067	0.018	550.715	550.563	550.600	550.722	550.63	550.618	550.832	550.740	550.728
521+300.00	110	464,262.316	6,511,049.194	-1.50%	-2.00%	-5.2	5.2	0.005	0.033	-0.003	550.834	550.728	550.738	550.839	550.761	550.735	550.949	550.871	550.845
521+320.00	110	464,253.727	6,511,031.133	-0.60%	-2.00%	-5.2	5.2	-0.005	0.069	-0.009	551.115	551.012	551.015	551.110	551.081	551.006	551.220	551.191	551.116
521+331.90	110	464,248.618	6,511,020.390	0.00%	-2.00%	-5.2	5.2	0.000	0.063	-0.007	551.276	551.213	551.179	551.276	551.276	551.172	551.386	551.386	551.282
521+340.00	110	464,245.136	6,511,013.071	0.40%	-2.00%	-5.2	5.2	-0.005	0.028	-0.002	551.394	551.381	551.287	551.389	551.409	551.285	551.499	551.519	551.395
521+360.00	110	464,236.518	6,510,995.023	1.30%	-2.00%	-5.2	5.2	-0.005	0.029	0.001	551.834	551.869	551.724	551.829	551.898	551.725	551.939	552.008	551.835
521+374.75	110	464,230.108	6,510,981.736	2.00%	-2.00%	-5.2	5.2	-0.004	0.019	0.013	552.172	552.251	552.045	552.168	552.27	552.058	552.278	552.380	552.168
521+380.00	110	464,227.812	6,510,977.018	2.20%	-2.20%	-5.2	5.2	-0.005	0.027	0.010	552.287	552.372	552.156	552.282	552.399	552.166	552.392	552.509	552.276
521+391.90	110	464,222.566	6,510,966.342	2.80%	-2.80%	-5.2	5.2	-0.005	0.026	-0.008	552.558	552.667	552.419	552.553	552.693	552.411	552.663	552.803	552.521
521+400.00	110	464,218.955	6,510,959.086	2.80%	-2.80%	-5.2	5.2	-0.006	0.020	-0.011	552.762	552.882	552.622	552.756	552.902	552.611	552.866	553.012	552.721
521+420.00	110	464,209.914	6,510,941.247	2.80%	-2.80%	-5.2	5.2	-0.006	0.028	-0.028	553.299	553.411	553.176	553.293	553.439	553.148	553.403	553.549	553.258
521+440.00	110	464,200.686	6,510,923.503	2.80%	-2.80%	-5.2	5.2	0.000	0.051	-0.024	553.867	553.962	553.746	553.867	554.013	553.722	553.977	554.123	553.832
521+460.00	110	464,191.272	6,510,905.857	2.80%	-2.80%	-5.2	5.2	-0.001	0.050	-0.004	554.418	554.513	554.276	554.417	554.563	554.272	554.527	554.673	554.382
521+480.00	110	464,181.675	6,510,888.310	2.80%	-2.80%	-5.2	5.2	-0.005	0.007	0.029	554.938	555.072	554.758	554.933	555.079	554.787	555.043	555.189	554.897
521+500.00	110	464,171.894	6,510,870.865	2.80%	-2.80%	-5.2	5.2	-0.016	-0.023	0.056	555.458	555.611	555.241	555.442	555.588	555.297	555.552	555.698	555.407
521+520.00	110	464,161.931	6,510,853.523	2.80%	-2.80%	-5.2	5.2	-0.016	-0.024	0.056	555.974	556.128	555.757	555.958	556.104	555.813	556.068	556.214	555.923
521+540.00	110	464,151.787	6,510,836.287	2.80%	-2.80%	-5.2	5.2	-0.015	-0.004	0.036	556.509	556.643	556.312	556.494	556.639	556.348	556.604	556.749	556.458
521+560.00	110	464,141.463	6,510,819.157	2.80%	-2.80%	-5.2	5.2	-0.020	0.036	0.038	557.094	557.184	556.891	557.074	557.22	556.929	557.184	557.330	557.039
521+580.00	110	464,130.961	6,510,802.137	2.80%	-2.80%	-5.2	5.2	-0.016	0.016	0.032	557.622	557.736	557.429	557.606	557.752	557.461	557.716	557.862	557.571
521+600.00	110	464,120.280	6,510,785.228	2.80%	-2.80%	-5.2	5.2	-0.015	0.034	0.082	558.170	558.266	557.927	558.155	558.3	558.009	558.265	558.410	558.119
521+620.00	110	464,109.424	6,510,768.431	2.80%	-2.80%	-5.195	5.2	-0.030	0.026	0.058	558.681	558.770	558.447	558.651	558.796	558.505	558.761	558.906	558.615
521+640.00	110	464,098.392	6,510,751.749	2.80%	-2.80%	-5.2	5.2	-0.030	0.009	0.046	559.168	559.274	558.946	559.138	559.283	558.992	559.248	559.393	559.102
521+660.00	110	464,087.185	6,510,735.183	2.80%	-2.80%	-5.2	5.2	-0.020	0.007	0.050	559.699	559.818	559.484	559.679	559.825	559.534	559.789	559.935	559.644
521+680.00	110	464,075.806	6,510,718.736	2.80%	-2.80%	-5.2	5.2	-0.015	0.009	0.032	560.245	560.367	560.052	560.230	560.376	560.084	560.340	560.486	560.194
521+700.00	110	464,064.256	6,510,702.409	2.80%	-2.80%	-5.2	5.2	-0.015	0.011	0.070	560.833	560.953	560.602	560.818	560.964	560.672	560.928	561.074	560.782
521+720.00	110	464,052.535	6,510,686.203	2.80%	-2.80%	-5.2	5.2	-0.015	0.020	0.038	561.421	561.532	561.222	561.406	561.552	561.26	561.516	561.662	561.37
521+740.00	110	464,040.645	6,510,670.121	2.80%	-2.80%	-5.2	5.2	-0.015	0.029	0.022	562.020	562.122	561.838	562.005	562.151	561.86	562.115	562.261	561.97
521+759.16	110	464,029.100	6,510,654.836	2.80%	-2.80%	-5.2	5.2	-0.010	0.023	0.010	562.599	562.709	562.435	562.589	562.732	562.445	562.699	562.842	562.555
521+760.00	110	464,028.587	6,510,654.165	2.80%	-2.80%	-5.2	5.2	-0.010	0.025	0.010	562.626	562.735	562.463	562.616	562.76	562.473	562.726	562.870	562.583
521+776.30	110	464,018.645	6,510,641.252	2.00%	-2.00%	-5.2	5.2	0.002	0.009	0.037	563.182	563.277	563.037	563.184	563.286	563.074	563.294	563.396	563.184
521+780.00	110	464,016.374	6,510,638.327	1.80%	-2.00%	-5.2	5.2	-0.010	0.000	0.033	563.340	563.425	563.193	563.330	563.425	563.226	563.440	563.535	563.336
521+800.00	110	464,004.052	6,510,622.574	0.90%	-2.00%	-5.2	5.2	-0.010	0.040	0.036	564.215	564.211	564.065	564.205	564.251	564.101	564.315	564.361	564.211
521+819.16	110	463,992.201	6,510,607.525	0.00%	-2.00%	-5.2	5.2	-0.010	0.063	0.026	565.085	565.012	564.945	565.075	565.075	564.971	565.185	565.185	565.081
521+820.00	110	463,991.678	6,510,606.862	0.00%	-2.00%	-5.2	5.2	-0.010	0.061	0.025	565.123	565.050	564.984	565.113	565.111	565.009	565.223	565.221	565.119
521+840.00	110	463,979.296	6,510,591.155	-1.00%	-2.00%	-5.2	5.2	-0.010	0.018	0.001	566.035	565.956	565.920	566.025	565.974	565.921	566.135	566.084	566.031
521+860.00	110	463,966.913	6,510,575.449	-1.90%	-2.00%	-5.2	5.2	-0.010	-0.026	0.012	567.031	566.948	566.905	567.021	566.922	566.917	567.131	567.032	567.027
521+862.01	110	463,965.668	6,510,573.869	-2.00%	-2.00%	-5.2	5.2	-0.009	-0.026	0.019	567.141	567.059	567.009	567.132	567.033	567.028	567.242	567.143	567.138
521+880.00	110	463,954.531	6,510,559.743	-2.00%	-2.00%	-5.2	5.2	0.005	-0.033	0.051	568.122	568.056	567.972	568.127	568.023	568.023	568.237	568.133	568.133
521+900.00	110	463,942.149	6,510,544.037	-2.00%	-2.00%	-5.2	5.2	0.005	-0.009	0.014	569.275	569.185	569.162	569.280	569.176	569.176	569.390	569.286	569.286
521+920.00	110	463,929.766	6,510,528.331	-2.00%	-2.00%	-5.2	5.2	0.010	0.008	-0.002	570.478	570.376	570.386	570.488	570.384	570.384	570.598	570.494	570.494
521+940.00	110	463,917.384	6,510,512.625	-2.00%	-2.00%	-5.2	5.2	0.010	0.043	0.025	571.715	571.578	571.596	571.725	571.621	571.621	571.835	571.731	571.731
521+960.00	110	463,905.002	6,510,496.919	-2.00%	-2.00%	-5.2	5.2	0.000	0.022	0.019	572.937	572.811	572.814	572.937	572.833	572.833	573.047	572.943	572.943
521+960.24	110	463,904.855	6,510,496.733	-2.00%	-2.00%	-5.2	5.2	0.000	0.023	0.020	572.952	572.826	572.828	572.952	572.849	572.848	573.062	572.959	572.958
521+980.00	110	463,892.620	6,510,481.213	-1.00%	-2.00%	-5.2	5.2	0.000	0.067	-0.001	574.164	574.042	574.061	574.164	574.109	574.06	574.274	574.219	574.17
522+000.00	110	463,880.237	6,510,465.507	-0.10%	-2.00%	-5.2	5.2	-0.010	0.090	0.020	575.397	575.293	575.263	575.387	575.383	575.283	575.497	575.493	575.393
522+001.62	110	463,879.236	6,510,464.237	0.00%	-2.00%	-5.2	5.2	-0.009	0.086	0.022	575.493	575.398	575.358	575.484	575.484	575.38	575.594	575.594	575.49
522+020.00	110	463,867.848	6,510,449.807	0.90%	-2.00%	-5.2	5.2	-0.005	0.056	0.028	576.584	576.570	576.447	576.579	576.626	576.475	576.689	576.736	576.585
522+040.00	110	463,855.404	6,510,434.149	1.90%	-2.00%	-5.2	5.2	-0.005	0.007	0.056	577.782	577.867	577.617	577.777	577.874	577.673	577.887	577.984	577.783
522+043.00	110	463,853.532	6,510,431.810	2.00%	-2.00%	-5.2	5.2	-0.005	0.009	0.055	577.955	578.043	577.786	577.950	578.052	577.841	578.060	578.162	577.951
522+060.00	110	463,842.850	6,510,418.581	2.80%	-2.80%	-5.2	5.2	-0.005	0.004	0.049	578.931	579.069	578.730	578.926	579.073	578.779	579.036	579.183	578.889
522+061.62	110	463,841.829	6,510,417.327	2.90%	-2.90%	-5.2	5.2	-0.006	0.004	0.050	579.016	579.152	578.812	579.010	579.156	578.862	579.120	579.266	578.972
522+080.00	110	463,830.136	6,510,403.142	2.90%	-2.90%	-5.2	5.2	-0.006	-0.004	0.032	579.937	580.086	579.749	579.931	580.082	579.781	580.041	580.192	579.891
522+100.00	110	463,817.251	6,510,387.846	2.90%	-2.90%	-5.2	5.2	-0.015	-0.001	0.046	581.006	581.143	580.794	580.991	581.142	580.84	581.101	581.252	580.95

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
522+120.00	110	463,804.197	6,510,372.694	2.90%	-2.90%	-5.2	5.2	-0.015	0.017	0.052	582.030	582.149	581.812	582.015	582.166	581.864	582.125	582.276	581.974
522+140.00	110	463,790.975	6,510,357.688	2.90%	-2.90%	-5.2	5.2	-0.021	0.043	0.018	582.943	583.031	582.754	582.922	583.074	582.772	583.032	583.184	582.882
522+160.00	110	463,777.587	6,510,342.830	2.90%	-2.90%	-5.2	5.2	-0.010	0.019	0.050	583.861	583.983	583.650	583.851	584.002	583.7	583.961	584.112	583.81
522+180.00	110	463,764.035	6,510,328.121	2.90%	-2.90%	-5.2	5.2	-0.026	0.038	0.066	584.753	584.840	584.511	584.727	584.878	584.577	584.837	584.988	584.687
522+200.00	110	463,750.321	6,510,313.564	2.90%	-2.90%	-5.2	5.2	-0.026	0.019	0.013	585.543	585.650	585.354	585.517	585.669	585.367	585.627	585.779	585.477
522+220.00	110	463,736.445	6,510,299.160	2.90%	-2.90%	-5.2	5.2	0.005	-0.022	0.018	586.294	586.472	586.130	586.299	586.45	586.148	586.409	586.560	586.258
522+240.00	110	463,722.411	6,510,284.912	2.90%	-2.90%	-5.2	5.2	0.005	-0.011	0.048	587.101	587.268	586.907	587.106	587.257	586.955	587.216	587.367	587.065
522+260.00	110	463,708.219	6,510,270.820	2.90%	-2.90%	-5.2	5.2	-0.006	0.005	0.044	587.893	588.034	587.693	587.887	588.039	587.737	587.997	588.149	587.847
522+280.00	110	463,693.871	6,510,256.886	2.90%	-2.90%	-5.2	5.2	0.005	0.006	0.043	588.629	588.779	588.440	588.634	588.785	588.483	588.744	588.895	588.593
522+300.00	110	463,679.369	6,510,243.113	2.90%	-2.90%	-5.2	5.2	0.005	0.018	0.006	589.379	589.517	589.227	589.384	589.535	589.233	589.494	589.645	589.343
522+320.00	110	463,664.716	6,510,229.502	2.90%	-2.90%	-5.2	5.2	-0.001	0.016	-0.001	590.155	590.289	590.005	590.154	590.305	590.004	590.264	590.415	590.114
522+340.00	110	463,649.912	6,510,216.055	2.90%	-2.90%	-5.2	5.2	-0.010	0.011	0.002	590.928	591.058	590.765	590.918	591.069	590.767	591.028	591.179	590.877
522+360.00	110	463,634.959	6,510,202.773	2.90%	-2.90%	-5.2	5.2	-0.015	0.026	0.029	591.747	591.857	591.552	591.732	591.883	591.581	591.842	591.993	591.691
522+380.00	110	463,619.860	6,510,189.657	2.90%	-2.90%	-5.2	5.2	-0.025	0.047	0.025	592.576	592.655	592.375	592.551	592.702	592.4	592.661	592.812	592.51
522+400.00	110	463,604.616	6,510,176.711	2.90%	-2.90%	-5.2	5.2	-0.025	0.038	0.008	593.405	593.493	593.221	593.380	593.531	593.229	593.490	593.641	593.339
522+420.00	110	463,589.229	6,510,163.934	2.90%	-2.90%	-5.2	5.2	-0.020	0.011	0.036	594.243	594.363	594.036	594.223	594.374	594.072	594.333	594.484	594.182
522+440.00	110	463,573.701	6,510,151.330	2.90%	-2.90%	-5.2	5.2	-0.020	-0.010	0.035	595.090	595.231	594.884	595.070	595.221	594.919	595.180	595.331	595.029
522+460.00	110	463,558.034	6,510,138.898	2.90%	-2.90%	-5.2	5.2	-0.010	0.013	0.054	596.003	596.131	595.788	595.993	596.144	595.842	596.103	596.254	595.952
522+469.44	110	463,550.591	6,510,133.091	2.90%	-2.90%	-5.2	5.2	-0.010	0.019	0.036	596.415	596.535	596.220	596.405	596.554	596.256	596.515	596.664	596.366
522+480.00	110	463,542.230	6,510,126.640	2.40%	-2.40%	-5.2	5.2	-0.010	0.009	0.034	596.896	597.001	596.728	596.886	597.01	596.762	596.996	597.120	596.872
522+488.06	110	463,535.827	6,510,121.744	2.00%	-2.00%	-5.2	5.2	-0.010	0.026	0.043	597.282	597.349	597.121	597.272	597.375	597.164	597.382	597.485	597.274
522+500.00	110	463,526.316	6,510,114.527	1.40%	-2.00%	-5.2	5.2	-0.010	0.045	0.044	597.884	597.903	597.726	597.874	597.948	597.77	597.984	598.058	597.88
522+520.00	110	463,510.337	6,510,102.500	0.50%	-2.00%	-5.2	5.2	-0.010	0.083	0.039	598.930	598.861	598.777	598.920	598.944	598.816	599.030	599.054	598.926
522+529.44	110	463,502.784	6,510,096.836	0.00%	-2.00%	-5.2	5.2	-0.016	0.071	0.030	599.420	599.333	599.270	599.404	599.404	599.3	599.514	599.514	599.41
522+540.00	110	463,494.335	6,510,090.502	-0.50%	-2.00%	-5.2	5.2	-0.010	0.059	0.036	599.956	599.861	599.806	599.946	599.92	599.842	600.056	600.030	599.952
522+560.00	110	463,478.332	6,510,078.506	-1.50%	-2.00%	-5.2	5.2	-0.010	0.013	0.038	600.962	600.862	600.810	600.952	600.875	600.848	601.062	600.985	600.958
522+570.82	110	463,469.676	6,510,072.016	-2.00%	-2.00%	-5.2	5.2	-0.003	0.007	0.038	601.526	601.425	601.381	601.523	601.432	601.419	601.633	601.542	601.529
522+580.00	110	463,462.330	6,510,066.509	-2.00%	-2.00%	-5.2	5.2	0.005	-0.003	0.045	602.003	601.907	601.859	602.008	601.904	601.904	602.118	602.014	602.014
522+600.00	110	463,446.327	6,510,054.513	-2.00%	-2.00%	-5.2	5.2	0.005	-0.029	0.041	603.036	602.966	602.896	603.041	602.937	602.937	603.151	603.047	603.047
522+620.00	110	463,430.324	6,510,042.516	-2.00%	-2.00%	-5.2	5.2	0.000	-0.002	0.038	604.097	603.995	603.955	604.097	603.993	603.993	604.207	604.103	604.103
522+640.00	110	463,414.322	6,510,030.520	-2.00%	-2.00%	-5.2	5.2	0.000	0.011	0.015	605.125	605.010	605.006	605.125	605.021	605.021	605.235	605.131	605.131
522+660.00	110	463,398.319	6,510,018.523	-2.00%	-2.00%	-5.2	5.2	0.000	0.017	0.042	606.163	606.042	606.017	606.163	606.059	606.059	606.273	606.169	606.169
522+680.00	110	463,382.316	6,510,006.527	-2.00%	-2.00%	-5.2	5.2	0.000	-0.001	0.044	607.221	607.118	607.073	607.221	607.117	607.117	607.331	607.227	607.227
522+700.00	110	463,366.314	6,509,994.530	-2.00%	-2.00%	-5.2	5.2	0.010	-0.014	0.046	608.278	608.198	608.138	608.288	608.184	608.184	608.398	608.294	608.294
522+720.00	110	463,350.311	6,509,982.534	-2.00%	-2.00%	-5.2	5.2	0.010	-0.012	0.040	609.365	609.283	609.231	609.375	609.271	609.271	609.485	609.381	609.381
522+740.00	110	463,334.308	6,509,970.537	-2.00%	-2.00%	-5.2	5.2	0.010	-0.022	0.048	610.459	610.387	610.317	610.469	610.365	610.365	610.579	610.475	610.475
522+760.00	110	463,318.306	6,509,958.541	-2.00%	-2.00%	-5.2	5.2	0.010	-0.010	0.079	611.586	611.502	611.413	611.596	611.492	611.492	611.706	611.602	611.602
522+780.00	110	463,302.303	6,509,946.545	-2.00%	-2.00%	-5.2	5.2	0.010	0.004	0.058	612.615	612.517	612.463	612.625	612.521	612.521	612.735	612.631	612.631
522+800.00	110	463,286.300	6,509,934.548	-2.00%	-2.00%	-5.2	5.2	0.010	0.026	0.038	613.590	613.470	613.458	613.600	613.496	613.496	613.710	613.606	613.606
522+820.00	110	463,270.298	6,509,922.552	-2.00%	-2.00%	-5.2	5.2	-0.010	0.013	0.038	614.581	614.454	614.429	614.571	614.467	614.467	614.681	614.577	614.577
522+840.00	110	463,254.295	6,509,910.555	-2.00%	-2.00%	-5.2	5.2	0.005	0.025	0.037	615.562	615.438	615.426	615.567	615.463	615.463	615.677	615.573	615.573
522+860.00	110	463,238.292	6,509,898.559	-2.00%	-2.00%	-5.2	5.2	0.005	0.042	0.039	616.499	616.358	616.361	616.504	616.4	616.4	616.614	616.510	616.51
522+880.00	110	463,222.290	6,509,886.562	-2.00%	-2.00%	-5.2	5.2	-0.005	-0.012	0.045	617.359	617.262	617.205	617.354	617.25	617.25	617.464	617.360	617.36
522+900.00	110	463,206.287	6,509,874.566	-2.00%	-2.00%	-5.2	5.2	0.015	-0.017	0.074	618.172	618.100	618.009	618.187	618.083	618.083	618.297	618.193	618.193
522+920.00	110	463,190.285	6,509,862.569	-2.00%	-2.00%	-5.2	5.2	-0.005	0.006	0.030	618.917	618.802	618.778	618.912	618.808	618.808	619.022	618.918	618.918
522+940.00	110	463,174.282	6,509,850.573	-2.00%	-2.00%	-5.2	5.2	-0.005	0.034	0.066	619.651	619.508	619.476	619.646	619.542	619.542	619.756	619.652	619.652
522+960.00	110	463,158.279	6,509,838.576	-2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.097	620.317	620.192	620.101	620.302	620.198	620.198	620.412	620.308	620.308
522+980.00	110	463,142.277	6,509,826.580	-2.00%	-2.00%	-5.2	5.2	-0.015	0.018	0.066	620.941	620.804	620.756	620.926	620.822	620.822	621.036	620.932	620.932
523+000.00	110	463,126.274	6,509,814.583	-2.00%	-2.00%	-5.2	5.2	-0.015	0.013	0.080	621.530	621.398	621.331	621.515	621.411	621.411	621.625	621.521	621.521
523+020.00	110	463,110.271	6,509,802.587	-2.00%	-2.00%	-5.2	5.2	-0.010	0.025	0.063	622.068	621.929	621.891	622.058	621.954	621.954	622.168	622.064	622.064
523+040.00	110	463,094.269	6,509,790.590	-2.00%	-2.00%	-5.2	5.2	-0.010	0.029	0.040	622.531	622.388	622.377	622.521	622.417	622.417	622.631	622.527	622.527
523+060.00	110	463,078.266	6,509,778.594	-2.00%	-2.00%	-5.2	5.2	-0.010	0.005	0.091	622.963	622.844	622.758	622.953	622.849	622.849	623.063	622.959	622.959
523+080.00	110	463,062.263	6,509,766.598	-2.00%	-2.00%	-5.2	5.2	-0.010	0.012	0.046	623.325	623.199	623.165	623.315	623.211	623.211	623.425	623.321	623.321
523+100.00	110	463,046.261	6,509,754.601	-2.00%	-2.00%	-5.2	5.2	0.010	0.011	0.024	623.669	623.564	623.551	623.679	623.575	623.575	623.789	623.685	623.685
523+120.00	110	463,030.258	6,509,742.605	-2.00%	-2.00%	-5.2	5.2	0.010	-0.018	0.047	623.982	623.906	623.841	623.992	623.888	623.888	624.102	623.998	623.998
523+140.00	110	463,014.255	6,509,730.608	-2.00%	-2.00%	-5.2	5.2	0.005	-0.026	0.089	624.267	624.194	624.079	624.272	624.168	624.168	624.382	624.278	624.278
523+160.00	110	462,998.253	6,509,718.612	-2.00%	-2.00%	-5.2	5.2	0.005	-0.019	0.088	624.464	624.384	624.277	624.469	624.365	624.365	624.579	624.475	624.475
523+180.00	110	462,982.250	6,509,706.615	-2.00%	-2.00%	-5.2	5.2	0.000	-0.016	0.080	624.580	624.492	624.396	624.580	624.476	624.476	624.690	624.586	624.586
523+200.00	110	462,966.247	6,509,694.619	-2.00%	-2.00%	-5.2	5.2	0.000	0.003	0.072	624.684	624.577	624.508	624.684	624.58	624.58	624.794	624.690	624.69
523+201.73	110	462,964.862	6,509,693.580	-2.00%	-2.00%	-5.2	5.2	-0.006	-0.002	0.068	624.693	624.585	624.519	624.687	624.583	624.587	624.797	624.693	624.697
523+220.00	110	462,950.245	6,509,682.622	-2.00%	-1.10%	-5.2	5.2	0.005	0.030	0.006	624.721	624.592	624.665	624.726	624.622	624.671	624.836	624.732	624.781
523+240.00	110	462,934.242	6,509,670.626	-2.00%	0.00%	-5.2	5.2	0.005	0.076	-0.026	624.732	624.557	624.761	624.737	624.633	624.735	624.847	624.743	624.845

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
523+240.44	110	462,933.889	6,509,670.361	-2.00%	0.00%	-5.2	5.2	0.005	0.076	-0.026	624.732	624.557	624.763	624.737	624.633	624.737	624.847	624.743	624.847
523+260.00	110	462,918.247	6,509,658.620	-2.00%	1.00%	-5.2	5.2	0.000	0.076	0.002	624.752	624.572	624.803	624.752	624.648	624.805	624.862	624.758	624.915
523+279.15	110	462,902.973	6,509,647.066	-2.00%	2.00%	-5.2	5.2	-0.005	0.051	-0.019	624.707	624.545	624.825	624.702	624.596	624.806	624.812	624.706	624.916
523+280.00	110	462,902.298	6,509,646.552	-2.00%	2.00%	-5.2	5.2	-0.005	0.049	-0.021	624.704	624.544	624.826	624.699	624.593	624.805	624.809	624.703	624.915
523+300.00	110	462,886.443	6,509,634.361	-3.10%	3.10%	-5.2	5.2	-0.005	0.006	0.019	624.632	624.461	624.768	624.627	624.467	624.787	624.737	624.577	624.897
523+300.44	110	462,886.095	6,509,634.091	-3.10%	3.10%	-5.2	5.2	-0.005	0.006	0.019	624.630	624.458	624.765	624.625	624.464	624.784	624.735	624.574	624.894
523+320.00	110	462,870.724	6,509,621.996	-3.10%	3.10%	-5.2	5.2	-0.021	0.007	0.031	624.509	624.320	624.619	624.488	624.327	624.65	624.598	624.437	624.76
523+340.00	110	462,855.151	6,509,609.446	-3.10%	3.10%	-5.2	5.2	-0.020	-0.004	0.037	624.316	624.139	624.420	624.296	624.135	624.457	624.406	624.245	624.567
523+360.00	110	462,839.727	6,509,596.714	-3.10%	3.10%	-5.2	5.2	-0.021	0.015	0.045	624.093	623.896	624.189	624.072	623.911	624.234	624.182	624.021	624.344
523+380.00	110	462,824.454	6,509,583.802	-3.10%	3.10%	-5.2	5.2	-0.021	-0.010	0.041	623.833	623.661	623.933	623.812	623.651	623.974	623.922	623.761	624.084
523+400.00	110	462,809.334	6,509,570.711	-3.10%	3.10%	-5.2	5.2	-0.020	0.002	0.044	623.563	623.380	623.660	623.543	623.382	623.704	623.653	623.492	623.814
523+420.00	110	462,794.369	6,509,557.442	-3.10%	3.10%	-5.2	5.2	-0.016	0.009	0.017	623.219	623.033	623.348	623.203	623.042	623.365	623.313	623.152	623.475
523+440.00	110	462,779.562	6,509,543.999	-3.10%	3.10%	-5.2	5.2	-0.016	0.021	0.001	622.875	622.677	623.020	622.859	622.698	623.021	622.969	622.808	623.131
523+460.00	110	462,764.913	6,509,530.382	-3.10%	3.10%	-5.2	5.2	-0.005	0.038	0.025	622.517	622.313	622.648	622.512	622.351	622.673	622.622	622.461	622.783
523+480.00	110	462,750.425	6,509,516.594	-3.10%	3.10%	-5.2	5.2	-0.006	0.042	0.023	622.099	621.890	622.232	622.093	621.932	622.255	622.203	622.042	622.365
523+500.00	110	462,736.101	6,509,502.637	-3.10%	3.10%	-5.2	5.2	-0.005	0.008	0.011	621.583	621.408	621.728	621.578	621.416	621.739	621.688	621.526	621.849
523+520.00	110	462,721.942	6,509,488.512	-3.10%	3.10%	-5.2	5.2	-0.010	-0.005	0.027	621.062	620.896	621.186	621.052	620.891	621.213	621.162	621.001	621.323
523+524.52	110	462,718.766	6,509,485.297	-3.10%	3.10%	-5.2	5.2	-0.010	0.001	0.020	620.942	620.777	621.064	620.932	620.778	621.084	621.042	620.888	621.194
523+540.00	110	462,707.946	6,509,474.225	-2.30%	2.30%	-5.2	5.2	-0.005	0.032	0.006	620.517	620.360	620.625	620.512	620.392	620.631	620.622	620.502	620.741
523+545.81	110	462,703.906	6,509,470.050	-2.00%	2.00%	-5.2	5.2	-0.005	0.027	0.013	620.334	620.192	620.425	620.329	620.219	620.438	620.439	620.329	620.548
523+560.00	110	462,694.075	6,509,459.817	-2.00%	2.00%	-5.2	5.2	-0.005	0.013	0.064	619.882	619.760	619.917	619.877	619.773	619.981	619.987	619.883	620.091
523+580.00	110	462,680.273	6,509,445.343	-2.00%	2.00%	-5.2	5.2	-0.010	0.016	0.051	619.187	619.057	619.230	619.177	619.073	619.281	619.287	619.183	619.391
523+584.52	110	462,677.158	6,509,442.069	-2.00%	2.00%	-5.2	5.2	-0.010	0.025	0.038	619.037	618.898	619.083	619.027	618.923	619.121	619.137	619.033	619.231
523+600.00	110	462,666.489	6,509,430.852	-2.00%	1.20%	-5.2	5.2	-0.010	0.047	0.005	618.522	618.361	618.570	618.512	618.408	618.575	618.622	618.518	618.685
523+620.00	110	462,652.704	6,509,416.361	-2.00%	0.20%	-5.2	5.2	-0.005	0.030	0.025	617.811	617.672	617.790	617.806	617.702	617.815	617.916	617.812	617.925
523+640.00	110	462,638.920	6,509,401.870	-2.00%	-0.90%	-5.2	5.2	-0.005	0.049	0.045	617.109	616.951	617.014	617.104	617	617.059	617.214	617.110	617.169
523+660.00	110	462,625.135	6,509,387.379	-2.00%	-1.90%	-5.2	5.2	-0.010	0.081	0.013	616.405	616.210	616.283	616.395	616.291	616.296	616.505	616.401	616.406
523+661.94	110	462,623.800	6,509,385.975	-2.00%	-2.00%	-5.2	5.2	-0.010	0.078	0.008	616.332	616.140	616.215	616.322	616.218	616.223	616.432	616.328	616.333
523+680.00	110	462,611.351	6,509,372.888	-2.00%	-2.00%	-5.2	5.2	-0.010	0.052	-0.010	615.653	615.487	615.549	615.643	615.539	615.539	615.753	615.649	615.649
523+700.00	110	462,597.567	6,509,358.397	-2.00%	-2.00%	-5.2	5.2	0.005	0.030	0.014	614.902	614.773	614.789	614.907	614.803	614.803	615.017	614.913	614.913
523+720.00	110	462,583.782	6,509,343.906	-2.00%	-2.00%	-5.2	5.2	0.005	0.029	0.023	614.157	614.029	614.035	614.162	614.058	614.058	614.272	614.168	614.168
523+740.00	110	462,569.998	6,509,329.414	-2.00%	-2.00%	-5.2	5.2	0.010	0.048	-0.006	613.406	613.264	613.318	613.416	613.312	613.312	613.526	613.422	613.422
523+760.00	110	462,556.214	6,509,314.923	-2.00%	-2.00%	-5.2	5.2	0.010	0.068	0.010	612.638	612.476	612.534	612.648	612.544	612.544	612.758	612.654	612.654
523+780.00	110	462,542.429	6,509,300.432	-2.00%	-2.00%	-5.2	5.2	-0.005	0.031	0.008	611.849	611.709	611.732	611.844	611.74	611.74	611.954	611.850	611.85
523+800.00	110	462,528.645	6,509,285.941	-2.00%	-2.00%	-5.2	5.2	-0.005	0.047	0.054	611.157	611.001	610.994	611.152	611.048	611.048	611.262	611.158	611.158
523+820.00	110	462,514.860	6,509,271.450	-2.00%	-2.00%	-5.2	5.2	-0.005	0.018	0.051	610.444	610.317	610.284	610.439	610.335	610.335	610.549	610.445	610.445
523+840.00	110	462,501.076	6,509,256.959	-2.00%	-2.00%	-5.2	5.2	-0.005	0.037	0.041	609.698	609.552	609.548	609.693	609.589	609.589	609.803	609.699	609.699
523+860.00	110	462,487.292	6,509,242.468	-2.00%	-2.00%	-5.2	5.2	-0.010	0.033	0.012	608.901	608.754	608.775	608.891	608.787	608.787	609.001	608.897	608.897
523+880.00	110	462,473.507	6,509,227.977	-2.00%	-2.00%	-5.2	5.2	-0.010	0.030	0.030	608.141	607.997	607.997	608.131	608.027	608.027	608.241	608.137	608.137
523+900.00	110	462,459.723	6,509,213.486	-2.00%	-2.00%	-5.2	5.2	0.000	0.047	0.014	607.395	607.244	607.277	607.395	607.291	607.291	607.505	607.401	607.401
523+920.00	110	462,445.938	6,509,198.995	-2.00%	-2.00%	-5.2	5.2	0.000	0.057	0.038	606.662	606.501	606.520	606.662	606.558	606.558	606.772	606.668	606.668
523+940.00	110	462,432.154	6,509,184.504	-2.00%	-2.00%	-5.2	5.2	-0.005	0.057	0.019	605.913	605.747	605.785	605.908	605.804	605.804	606.018	605.914	605.914
523+960.00	110	462,418.370	6,509,170.013	-2.00%	-2.00%	-5.2	5.2	-0.005	0.067	-0.007	605.175	604.999	605.073	605.170	605.066	605.066	605.280	605.176	605.176
523+980.00	110	462,404.585	6,509,155.522	-2.00%	-2.00%	-5.2	5.2	0.005	0.053	0.004	604.433	604.281	604.330	604.438	604.334	604.334	604.548	604.444	604.444
524+000.00	110	462,390.801	6,509,141.031	-2.00%	-2.00%	-5.2	5.2	0.005	0.038	-0.006	603.665	603.528	603.572	603.670	603.566	603.566	603.780	603.676	603.676
524+020.00	110	462,377.016	6,509,126.540	-2.00%	-2.00%	-5.2	5.2	0.000	-0.005	0.010	602.943	602.844	602.829	602.943	602.839	602.839	603.053	602.949	602.949
524+040.00	110	462,363.232	6,509,112.049	-2.00%	-2.00%	-5.2	5.2	0.000	-0.010	0.013	602.319	602.225	602.202	602.319	602.215	602.215	602.429	602.325	602.325
524+060.00	110	462,349.448	6,509,097.558	-2.00%	-2.00%	-5.2	5.2	0.000	0.014	0.009	601.769	601.651	601.656	601.769	601.665	601.665	601.879	601.775	601.775
524+080.00	110	462,335.663	6,509,083.067	-2.00%	-2.00%	-5.2	5.2	-0.015	0.058	0.031	601.294	601.117	601.144	601.279	601.175	601.175	601.389	601.285	601.285
524+100.00	110	462,321.879	6,509,068.576	-2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.020	600.786	600.661	600.647	600.771	600.667	600.667	600.881	600.777	600.777
524+120.00	110	462,308.094	6,509,054.085	-2.00%	-2.00%	-5.2	5.2	-0.010	0.002	0.045	600.347	600.231	600.188	600.337	600.233	600.233	600.447	600.343	600.343
524+140.00	110	462,294.310	6,509,039.593	-2.00%	-2.00%	-5.2	5.2	-0.010	0.056	0.001	600.006	599.836	599.891	599.996	599.892	599.892	600.106	600.002	600.002
524+160.00	110	462,280.526	6,509,025.102	-2.00%	-2.00%	-5.2	5.2	-0.010	0.038	-0.039	599.743	599.591	599.668	599.733	599.629	599.629	599.843	599.739	599.739
524+180.00	110	462,266.741	6,509,010.611	-2.00%	-2.00%	-5.2	5.2	0.005	0.024	0.010	599.561	599.438	599.452	599.566	599.462	599.462	599.676	599.572	599.572
524+200.00	110	462,252.957	6,508,996.120	-2.00%	-2.00%	-5.2	5.2	0.005	0.030	-0.018	599.386	599.257	599.305	599.391	599.287	599.287	599.501	599.397	599.397
524+220.00	110	462,239.173	6,508,981.629	-2.00%	-2.00%	-5.2	5.2	-0.005	0.046	0.002	599.252	599.097	599.141	599.247	599.143	599.143	599.357	599.253	599.253
524+240.00	110	462,225.388	6,508,967.138	-2.00%	-2.00%	-5.2	5.2	-0.005	0.049	0.017	599.168	599.010	599.042	599.163	599.059	599.059	599.273	599.169	599.169
524+260.00	110	462,211.604	6,508,952.647	-2.00%	-2.00%	-5.2	5.2	-0.005	0.032	0.053	599.063	598.922	598.901	599.058	598.954	598.954	599.168	599.064	599.064
524+280.00	110	462,197.819	6,508,938.156	-2.00%	-2.00%	-5.2	5.2	-0.005	0.008	0.032	599.015	598.898	598.874	599.010	598.906	598.906	599.120	599.016	599.016
524+300.00	110	462,184.035	6,508,923.665	-2.00%	-2.00%	-5.2	5.2	0.005	0.017	0.022	598.891	598.775	598.770	598.896	598.792	598.792	599.006	598.902	598.902
524+320.00	110	462,170.251	6,508,909.174	-2.00%	-2.00%	-5.2	5.2	0.005	0.011	0.028	598.771	598.661	598.644	598.776	598.672	598.672	598.886	598.782	598.782
524+340.00	110	462,156.466	6,508,894.683	-2.00%	-2.00%	-5.2	5.2	0.005	0.006	0.000	598.719	598.614	598.620	598.724	598.62	598.62	598.834	598.730	598.73

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Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
524+360.00	110	462,142.682	6,508,880.192	-2.00%	-2.00%	-5.2	5.2	0.005	0.022	0.018	598.694	598.573	598.577	598.699	598.595	598.595	598.809	598.705	598.705
524+380.00	110	462,128.897	6,508,865.701	-2.00%	-2.00%	-5.2	5.2	0.000	0.019	-0.014	598.608	598.485	598.518	598.608	598.504	598.504	598.718	598.614	598.614
524+400.00	110	462,115.113	6,508,851.210	-2.00%	-2.00%	-5.2	5.2	0.000	0.024	-0.034	598.558	598.430	598.488	598.558	598.454	598.454	598.668	598.564	598.564
524+420.00	110	462,101.329	6,508,836.719	-2.00%	-2.00%	-5.2	5.2	0.000	0.015	-0.029	598.590	598.471	598.515	598.590	598.486	598.486	598.700	598.596	598.596
524+440.00	110	462,087.544	6,508,822.228	-2.00%	-2.00%	-5.2	5.2	0.015	0.022	0.032	598.660	598.549	598.539	598.675	598.571	598.571	598.785	598.681	598.681
524+460.00	110	462,073.760	6,508,807.737	-2.00%	-2.00%	-5.2	5.2	0.005	-0.006	0.055	598.718	598.625	598.564	598.723	598.619	598.619	598.833	598.729	598.729
524+480.00	110	462,059.975	6,508,793.246	-2.00%	-2.00%	-5.2	5.2	0.005	0.007	0.049	598.838	598.732	598.690	598.843	598.739	598.739	598.953	598.849	598.849
524+500.00	110	462,046.191	6,508,778.755	-2.00%	-2.00%	-5.2	5.2	0.005	0.021	0.038	599.034	598.914	598.897	599.039	598.935	598.935	599.149	599.045	599.045
524+520.00	110	462,032.407	6,508,764.263	-2.00%	-2.00%	-5.2	5.2	0.005	-0.005	0.053	599.220	599.126	599.068	599.225	599.121	599.121	599.335	599.231	599.231
524+540.00	110	462,018.622	6,508,749.772	-2.00%	-2.00%	-5.2	5.2	0.005	-0.001	0.054	599.419	599.321	599.266	599.424	599.32	599.32	599.534	599.430	599.43
524+560.00	110	462,004.838	6,508,735.281	-2.00%	-2.00%	-5.2	5.2	0.005	-0.037	0.033	599.648	599.586	599.516	599.653	599.549	599.549	599.763	599.659	599.659
524+580.00	110	461,991.054	6,508,720.790	-2.00%	-2.00%	-5.2	5.2	0.015	-0.034	0.023	599.873	599.818	599.761	599.888	599.784	599.784	599.998	599.894	599.894
524+600.00	110	461,977.269	6,508,706.299	-2.00%	-2.00%	-5.2	5.2	0.015	-0.004	0.035	600.169	600.084	600.045	600.184	600.08	600.08	600.294	600.190	600.19
524+620.00	110	461,963.485	6,508,691.808	-2.00%	-2.00%	-5.2	5.2	0.005	0.000	0.039	600.486	600.387	600.348	600.491	600.387	600.387	600.601	600.497	600.497
524+640.00	110	461,949.700	6,508,677.317	-2.00%	-2.00%	-5.2	5.2	0.005	0.062	0.020	600.790	600.629	600.671	600.795	600.691	600.691	600.905	600.801	600.801
524+660.00	110	461,935.916	6,508,662.826	-2.00%	-2.00%	-5.2	5.2	0.000	0.024	0.039	601.007	600.879	600.864	601.007	600.903	600.903	601.117	601.013	601.013
524+680.00	110	461,922.132	6,508,648.335	-2.00%	-2.00%	-5.2	5.2	0.000	0.013	0.034	601.204	601.087	601.066	601.204	601.1	601.1	601.314	601.210	601.21
524+700.00	110	461,908.347	6,508,633.844	-2.00%	-2.00%	-5.2	5.2	-0.005	0.032	0.047	601.435	601.294	601.279	601.430	601.326	601.326	601.540	601.436	601.436
524+720.00	110	461,894.563	6,508,619.353	-2.00%	-2.00%	-5.2	5.2	-0.005	0.040	0.033	601.634	601.485	601.492	601.629	601.525	601.525	601.739	601.635	601.635
524+740.00	110	461,880.778	6,508,604.862	-2.00%	-2.00%	-5.2	5.2	-0.005	0.019	0.035	601.845	601.717	601.701	601.840	601.736	601.736	601.950	601.846	601.846
524+760.00	110	461,866.994	6,508,590.371	-2.00%	-2.00%	-5.2	5.2	0.010	0.007	0.028	601.975	601.874	601.853	601.985	601.881	601.881	602.095	601.991	601.991
524+780.00	110	461,853.210	6,508,575.880	-2.00%	-2.00%	-5.2	5.2	0.010	-0.019	0.029	602.098	602.023	601.975	602.108	602.004	602.004	602.218	602.114	602.114
524+781.80	110	461,851.966	6,508,574.572	-2.00%	-2.00%	-5.2	5.2	0.007	-0.025	0.031	602.110	602.038	601.985	602.117	602.013	602.016	602.227	602.123	602.126
524+800.00	110	461,839.425	6,508,561.389	-2.00%	-1.40%	-5.2	5.2	0.010	0.011	0.059	602.202	602.097	602.082	602.212	602.108	602.141	602.322	602.218	602.251
524+820.00	110	461,825.641	6,508,546.898	-2.00%	-0.70%	-5.2	5.2	-0.015	0.023	0.046	602.264	602.122	602.168	602.249	602.145	602.214	602.359	602.255	602.324
524+838.95	110	461,812.581	6,508,533.169	-2.00%	0.00%	-5.2	5.2	-0.016	0.046	0.066	602.296	602.130	602.214	602.280	602.176	602.28	602.390	602.286	602.39
524+840.00	110	461,811.856	6,508,532.407	-2.00%	0.00%	-5.2	5.2	-0.015	0.047	0.068	602.297	602.131	602.216	602.282	602.178	602.284	602.392	602.288	602.394
524+860.00	110	461,798.078	6,508,517.910	-2.00%	0.70%	-5.2	5.2	-0.030	0.064	0.047	602.322	602.124	602.283	602.292	602.188	602.33	602.402	602.298	602.44
524+880.00	110	461,784.334	6,508,503.380	-2.00%	1.40%	-5.2	5.2	-0.030	0.090	0.042	602.337	602.113	602.340	602.307	602.203	602.382	602.417	602.313	602.492
524+896.09	110	461,773.323	6,508,491.647	-2.00%	2.00%	-5.2	5.2	-0.025	0.067	0.027	602.309	602.110	602.358	602.284	602.177	602.385	602.394	602.287	602.495
524+898.95	110	461,771.374	6,508,489.558	-2.10%	2.10%	-5.2	5.2	-0.022	0.065	0.035	602.305	602.109	602.355	602.283	602.174	602.39	602.393	602.284	602.5
524+900.00	110	461,770.657	6,508,488.789	-2.10%	2.10%	-5.2	5.2	-0.020	0.066	0.037	602.303	602.108	602.355	602.283	602.174	602.392	602.393	602.284	602.502
524+920.00	110	461,757.072	6,508,474.110	-2.10%	2.10%	-5.2	5.2	-0.021	0.058	-0.002	602.300	602.112	602.390	602.279	602.17	602.388	602.389	602.280	602.498
524+940.00	110	461,743.586	6,508,459.341	-2.10%	2.10%	-5.2	5.2	-0.020	0.086	0.003	602.359	602.144	602.445	602.339	602.23	602.448	602.449	602.340	602.558
524+960.00	110	461,730.199	6,508,444.482	-2.10%	2.10%	-5.2	5.2	-0.020	0.080	-0.015	602.378	602.169	602.482	602.358	602.249	602.467	602.468	602.359	602.577
524+980.00	110	461,716.911	6,508,429.534	-2.10%	2.10%	-5.2	5.2	-0.021	0.058	0.004	602.340	602.152	602.425	602.319	602.21	602.429	602.429	602.320	602.539
525+000.00	110	461,703.724	6,508,414.498	-2.10%	2.10%	-5.2	5.2	-0.016	0.081	0.014	602.327	602.121	602.407	602.311	602.202	602.421	602.421	602.312	602.531
525+020.00	110	461,690.637	6,508,399.374	-2.10%	2.10%	-5.2	5.2	-0.030	0.112	0.012	602.357	602.106	602.424	602.327	602.218	602.436	602.437	602.328	602.546
525+040.00	110	461,677.651	6,508,384.163	-2.10%	2.10%	-5.2	5.2	-0.031	0.095	0.022	602.375	602.140	602.432	602.344	602.235	602.454	602.454	602.345	602.564
525+060.00	110	461,664.767	6,508,368.866	-2.10%	2.10%	-5.2	5.2	-0.030	0.066	-0.016	602.349	602.144	602.444	602.319	602.21	602.428	602.429	602.320	602.538
525+080.00	110	461,651.986	6,508,353.483	-2.10%	2.10%	-5.2	5.2	-0.016	0.064	-0.014	602.340	602.151	602.448	602.324	602.215	602.434	602.434	602.325	602.544
525+100.00	110	461,639.308	6,508,338.015	-2.10%	2.10%	-5.2	5.2	-0.015	0.069	-0.020	602.374	602.181	602.488	602.359	602.25	602.468	602.469	602.360	602.578
525+120.00	110	461,626.733	6,508,322.463	-2.10%	2.10%	-5.2	5.2	-0.016	0.085	0.017	602.451	602.241	602.528	602.435	602.326	602.545	602.545	602.436	602.655
525+140.00	110	461,614.263	6,508,306.827	-2.10%	2.10%	-5.2	5.2	-0.015	0.071	-0.008	602.533	602.338	602.635	602.518	602.409	602.627	602.628	602.519	602.737
525+160.00	110	461,601.897	6,508,291.108	-2.10%	2.10%	-5.2	5.2	-0.015	0.046	0.003	602.681	602.511	602.772	602.666	602.557	602.775	602.776	602.667	602.885
525+180.00	110	461,589.636	6,508,275.307	-2.10%	2.10%	-5.2	5.2	-0.016	0.057	0.068	602.973	602.791	602.999	602.957	602.848	603.067	603.067	602.958	603.177
525+189.11	110	461,584.086	6,508,268.082	-2.10%	2.10%	-5.2	5.2	-0.020	0.072	0.076	603.120	602.920	603.131	603.100	602.992	603.207	603.210	603.102	603.317
525+191.97	110	461,582.351	6,508,265.813	-2.00%	2.00%	-5.2	5.2	-0.021	0.074	0.073	603.165	602.963	603.174	603.144	603.037	603.247	603.254	603.147	603.357
525+200.00	110	461,577.480	6,508,259.425	-2.00%	1.70%	-5.2	5.2	-0.020	0.078	0.060	603.285	603.083	603.295	603.265	603.161	603.355	603.375	603.271	603.465
525+220.00	110	461,565.411	6,508,243.477	-2.00%	1.00%	-5.2	5.2	-0.025	0.069	0.041	603.590	603.392	603.577	603.565	603.461	603.618	603.675	603.571	603.728
525+240.00	110	461,553.393	6,508,227.490	-2.00%	0.30%	-5.2	5.2	-0.025	0.070	0.049	603.939	603.740	603.881	603.914	603.81	603.93	604.024	603.920	604.04
525+249.11	110	461,547.927	6,508,220.203	-2.00%	0.00%	-5.2	5.2	-0.016	0.054	0.070	604.123	603.949	604.037	604.107	604.003	604.107	604.217	604.113	604.217
525+260.00	110	461,541.393	6,508,211.491	-2.00%	-0.40%	-5.2	5.2	-0.025	0.027	0.058	604.363	604.207	604.261	604.338	604.234	604.319	604.448	604.344	604.429
525+280.00	110	461,529.393	6,508,195.491	-2.00%	-1.10%	-5.2	5.2	-0.005	0.048	0.038	604.817	604.660	604.718	604.812	604.708	604.756	604.922	604.818	604.866
525+300.00	110	461,517.393	6,508,179.491	-2.00%	-1.80%	-5.2	5.2	-0.005	0.018	-0.008	605.293	605.166	605.203	605.288	605.184	605.195	605.398	605.294	605.305
525+306.25	110	461,513.641	6,508,174.488	-2.00%	-2.00%	-5.2	5.2	-0.004	0.036	-0.012	605.472	605.328	605.384	605.468	605.364	605.372	605.578	605.474	605.482
525+320.00	110	461,505.393	6,508,163.490	-2.00%	-2.00%	-5.2	5.2	-0.005	0.041	-0.022	605.870	605.720	605.783	605.865	605.761	605.761	605.975	605.871	605.871
525+340.00	110	461,493.393	6,508,147.490	-2.00%	-2.00%	-5.2	5.2	0.030	0.028	0.015	606.389	606.287	606.300	606.419	606.315	606.315	606.529	606.425	606.425
525+360.00	110	461,481.393	6,508,131.490	-2.00%	-2.00%	-5.2	5.2	0.030	0.034	0.039	606.835	606.727	606.722	606.865	606.761	606.761	606.975	606.871	606.871
525+380.00	110	461,469.393	6,508,115.490	-2.00%	-2.00%	-5.2	5.2	-0.005	0.077	0.032	607.258	607.072	607.117	607.253	607.149	607.149	607.363	607.259	607.259
525+400.00	110	461,457.393	6,508,099.490	-2.00%	-2.00%	-5.2	5.2	-0.005	0.079	0.038	607.619	607.431	607.472	607.614	607.51	607.51	607.724	607.620	607.62
525+420.00	110	461,445.393	6,508,083.490	-2.00%	-2.00%	-5.2	5.2	-0.015	0.044	0.044	607.889	607.726	607.726	607.874	607.77	607.77	607.984	607.880	607.88

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
525+440.00	110	461,433.394	6,508,067.490	-2.00%	-2.00%	-5.2	5.2	-0.015	0.073	0.050	608.151	607.959	607.982	608.136	608.032	608.032	608.246	608.142	608.142
525+460.00	110	461,421.394	6,508,051.490	-2.00%	-2.00%	-5.2	5.2	-0.015	0.040	0.036	608.340	608.181	608.185	608.325	608.221	608.221	608.435	608.331	608.331
525+480.00	110	461,409.394	6,508,035.490	-2.00%	-2.00%	-5.2	5.2	0.015	0.032	0.037	608.450	608.329	608.324	608.465	608.361	608.361	608.575	608.471	608.471
525+500.00	110	461,397.394	6,508,019.490	-2.00%	-2.00%	-5.2	5.2	0.015	0.021	-0.003	608.543	608.433	608.457	608.558	608.454	608.454	608.668	608.564	608.564
525+511.74	110	461,390.347	6,508,010.095	-2.00%	-2.00%	-5.2	5.2	0.013	0.022	-0.013	608.581	608.468	608.516	608.594	608.49	608.503	608.704	608.600	608.613
525+520.00	110	461,385.394	6,508,003.490	-2.00%	-1.60%	-5.2	5.2	0.015	0.032	-0.017	608.605	608.484	608.555	608.620	608.516	608.538	608.730	608.626	608.648
525+540.00	110	461,373.394	6,507,987.490	-2.00%	-0.50%	-5.2	5.2	-0.020	0.066	0.017	608.707	608.517	608.642	608.687	608.583	608.659	608.797	608.693	608.769
525+560.00	110	461,361.394	6,507,971.490	-2.00%	0.50%	-5.2	5.2	-0.020	0.074	0.011	608.785	608.587	608.780	608.765	608.661	608.791	608.875	608.771	608.901
525+580.00	110	461,349.394	6,507,955.490	-2.00%	1.50%	-5.2	5.2	-0.010	0.060	-0.014	608.841	608.667	608.924	608.831	608.727	608.91	608.941	608.837	609.02
525+589.16	110	461,343.897	6,507,948.160	-2.00%	2.00%	-5.2	5.2	-0.009	0.072	-0.004	608.889	608.704	608.986	608.880	608.776	608.982	608.990	608.886	609.092
525+600.00	110	461,337.396	6,507,939.488	-2.00%	2.00%	-5.2	5.2	-0.010	0.093	-0.003	608.963	608.756	609.060	608.953	608.849	609.057	609.063	608.959	609.167
525+620.00	110	461,325.433	6,507,923.461	-2.00%	2.00%	-5.2	5.2	-0.015	0.087	-0.042	609.050	608.844	609.181	609.035	608.931	609.139	609.145	609.041	609.249
525+627.87	110	461,320.747	6,507,917.135	-2.00%	2.00%	-5.2	5.2	-0.017	0.082	-0.037	609.081	608.874	609.209	609.064	608.956	609.172	609.174	609.066	609.282
525+640.00	110	461,313.567	6,507,907.361	-2.60%	2.60%	-5.2	5.2	-0.015	0.064	0.007	609.115	608.900	609.230	609.100	608.964	609.237	609.210	609.074	609.347
525+649.16	110	461,308.181	6,507,899.950	-3.10%	3.10%	-5.2	5.2	-0.018	0.047	0.033	609.149	608.925	609.256	609.131	608.972	609.289	609.241	609.082	609.399
525+660.00	110	461,301.860	6,507,891.146	-3.10%	3.10%	-5.2	5.2	-0.020	0.055	0.044	609.205	608.969	609.302	609.185	609.024	609.346	609.295	609.134	609.456
525+680.00	110	461,290.344	6,507,874.794	-3.10%	3.10%	-5.2	5.2	-0.030	0.057	0.034	609.299	609.051	609.396	609.269	609.108	609.43	609.379	609.218	609.54
525+700.00	110	461,279.021	6,507,858.308	-3.10%	3.10%	-5.2	5.2	-0.031	0.059	0.038	609.373	609.122	609.466	609.342	609.181	609.504	609.452	609.291	609.614
525+720.00	110	461,267.893	6,507,841.690	-3.10%	3.10%	-5.2	5.2	-0.031	0.064	0.033	609.447	609.191	609.545	609.416	609.255	609.578	609.526	609.365	609.688
525+740.00	110	461,256.961	6,507,824.942	-3.10%	3.10%	-5.2	5.2	-0.030	0.072	0.038	609.529	609.266	609.622	609.499	609.338	609.66	609.609	609.448	609.77
525+760.00	110	461,246.227	6,507,808.067	-3.10%	3.10%	-5.2	5.2	-0.030	0.058	0.018	609.556	609.307	609.669	609.526	609.365	609.687	609.636	609.475	609.797
525+780.00	110	461,235.692	6,507,791.067	-3.10%	3.10%	-5.2	5.2	-0.030	0.030	0.005	609.613	609.392	609.739	609.583	609.422	609.744	609.693	609.532	609.854
525+800.00	110	461,225.358	6,507,773.943	-3.10%	3.10%	-5.2	5.2	-0.010	0.019	0.034	609.670	609.480	609.788	609.660	609.499	609.822	609.770	609.609	609.932
525+820.00	110	461,215.226	6,507,756.700	-3.10%	3.10%	-5.2	5.2	-0.021	0.018	0.008	609.687	609.487	609.820	609.666	609.505	609.828	609.776	609.615	609.938
525+840.00	110	461,205.297	6,507,739.338	-3.10%	3.10%	-5.2	5.2	-0.016	0.052	-0.004	609.763	609.534	609.913	609.747	609.586	609.909	609.857	609.696	610.019
525+860.00	110	461,195.574	6,507,721.861	-3.10%	3.10%	-5.2	5.2	-0.016	0.063	0.026	609.877	609.637	609.996	609.861	609.7	610.022	609.971	609.810	610.132
525+880.00	110	461,186.057	6,507,704.271	-3.10%	3.10%	-5.2	5.2	-0.020	0.016	0.035	609.946	609.749	610.052	609.926	609.765	610.087	610.036	609.875	610.197
525+900.00	110	461,176.747	6,507,686.570	-3.10%	3.10%	-5.2	5.2	-0.020	0.000	0.042	610.027	609.846	610.126	610.007	609.846	610.168	610.117	609.956	610.278
525+920.00	110	461,167.646	6,507,668.761	-3.10%	3.10%	-5.2	5.2	-0.021	0.030	0.040	610.096	609.884	610.197	610.075	609.914	610.237	610.185	610.024	610.347
525+940.00	110	461,158.756	6,507,650.846	-3.10%	3.10%	-5.2	5.2	-0.020	0.059	0.027	610.171	609.931	610.285	610.151	609.99	610.312	610.261	610.100	610.422
525+960.00	110	461,150.077	6,507,632.827	-3.10%	3.10%	-5.2	5.2	-0.040	0.041	0.035	610.275	610.033	610.361	610.235	610.074	610.396	610.345	610.184	610.506
525+980.00	110	461,141.610	6,507,614.708	-3.10%	3.10%	-5.2	5.2	-0.040	0.069	0.053	610.357	610.087	610.425	610.317	610.156	610.478	610.427	610.266	610.588
526+000.00	110	461,133.357	6,507,596.490	-3.10%	3.10%	-5.2	5.2	-0.041	0.051	0.056	610.454	610.202	610.519	610.413	610.253	610.575	610.523	610.363	610.685
526+016.61	110	461,126.668	6,507,581.291	-3.10%	3.10%	-5.2	5.2	-0.030	0.056	0.029	610.563	610.314	610.665	610.533	610.37	610.694	610.643	610.480	610.804
526+020.00	110	461,125.319	6,507,578.176	-3.20%	3.20%	-5.2	5.2	-0.030	0.053	0.029	610.585	610.338	610.690	610.555	610.391	610.719	610.665	610.501	610.829
526+040.00	110	461,117.478	6,507,559.778	-3.50%	3.50%	-5.2	5.2	-0.025	0.058	0.070	610.815	610.551	610.901	610.790	610.609	610.971	610.900	610.719	611.081
526+060.00	110	461,109.769	6,507,541.323	-3.80%	3.80%	-5.2	5.783	-0.015	0.010	0.017	611.097	610.875	611.285	611.082	610.885	611.302	611.192	610.995	611.412
526+080.00	110	461,102.120	6,507,522.843	-4.10%	4.10%	-5.2	7.598	-0.025	-0.040	0.062	611.436	611.236	611.662	611.411	611.196	611.724	611.521	611.306	611.834
526+100.00	110	461,094.479	6,507,504.361	-4.40%	4.40%	-5.2	6.222	-0.025	-0.065	0.011	611.798	611.607	612.039	611.773	611.542	612.05	611.883	611.652	612.16
526+120.00	110	461,086.837	6,507,485.878	-4.80%	4.80%	-5.2	5.65	-0.035	0.001	0.025	612.381	612.097	612.588	612.346	612.098	612.613	612.456	612.208	612.723
526+140.00	110	461,079.225	6,507,467.383	-5.10%	5.10%	-5.2	5.65	-0.030	0.054	0.027	613.017	612.669	613.245	612.987	612.723	613.272	613.097	612.833	613.382
526+160.00	110	461,071.903	6,507,448.772	-5.40%	5.40%	-5.2	5.65	-0.025	0.052	0.033	613.726	613.368	613.971	613.701	613.42	614.004	613.811	613.530	614.114
526+180.00	110	461,065.238	6,507,429.917	-5.70%	5.70%	-5.2	5.739	-0.025	0.021	0.017	614.522	614.178	614.809	614.497	614.199	614.826	614.607	614.309	614.936
526+184.04	110	461,064.005	6,507,426.068	-5.80%	5.80%	-5.2	6.031	-0.024	0.024	0.016	614.693	614.345	615.000	614.669	614.369	615.016	614.779	614.479	615.126
526+200.00	110	461,059.580	6,507,410.738	-5.80%	5.80%	-5.2	7.647	-0.025	0.076	-0.037	615.405	615.002	615.860	615.380	615.078	615.823	615.490	615.188	615.933
526+220.00	110	461,055.051	6,507,391.260	-5.80%	5.80%	-5.2	5.2	-0.015	0.096	-0.062	616.355	615.942	616.704	616.340	616.038	616.642	616.450	616.148	616.752
526+240.00	110	461,051.669	6,507,371.551	-5.80%	5.80%	-5.2	5.2	-0.016	0.084	-0.056	617.379	616.978	617.721	617.363	617.062	617.665	617.473	617.172	617.775
526+260.00	110	461,049.444	6,507,351.678	-5.80%	5.80%	-5.2	5.2	-0.016	0.084	-0.051	618.505	618.104	618.842	618.489	618.188	618.791	618.599	618.298	618.901
526+280.00	110	461,048.385	6,507,331.709	-5.80%	5.80%	-5.2	5.2	-0.021	0.043	-0.031	619.718	619.353	620.030	619.697	619.396	619.999	619.807	619.506	620.109
526+300.00	110	461,048.494	6,507,311.712	-5.80%	5.80%	-5.2	5.2	-0.020	0.038	-0.032	620.989	620.630	621.303	620.969	620.668	621.271	621.079	620.778	621.381
526+320.00	110	461,049.772	6,507,291.756	-5.80%	5.80%	-5.2	5.2	-0.010	0.046	-0.036	622.322	621.964	622.649	622.312	622.01	622.613	622.422	622.120	622.723
526+340.00	110	461,052.215	6,507,271.908	-5.80%	5.80%	-5.2	5.2	-0.011	0.034	-0.039	623.699	623.353	624.029	623.688	623.387	623.99	623.798	623.497	624.1
526+360.00	110	461,055.813	6,507,252.238	-5.80%	5.80%	-5.2	5.2	-0.011	0.052	-0.013	625.066	624.702	625.370	625.055	624.754	625.357	625.165	624.864	625.467
526+380.00	110	461,060.554	6,507,232.811	-5.80%	5.80%	-5.2	5.2	-0.011	0.052	0.013	626.327	625.963	626.605	626.316	626.015	626.618	626.426	626.125	626.728
526+400.00	110	461,066.423	6,507,213.694	-5.80%	5.80%	-5.2	5.2	-0.011	0.031	-0.022	627.496	627.153	627.809	627.485	627.184	627.787	627.595	627.294	627.897
526+420.00	110	461,073.400	6,507,194.953	-5.80%	5.80%	-5.2	5.2	-0.006	0.036	-0.036	628.671	628.328	629.003	628.665	628.364	628.967	628.775	628.474	629.077
526+440.00	110	461,081.459	6,507,176.652	-5.80%	5.80%	-5.2	5.2	-0.010	0.033	0.000	629.784	629.440	630.076	629.774	629.473	630.076	629.884	629.583	630.186
526+460.00	110	461,090.575	6,507,158.854	-5.80%	5.80%	-5.2	5.2	-0.011	0.065	-0.013	630.840	630.463	631.144	630.829	630.528	631.131	630.939	630.638	631.241
526+480.00	110	461,100.715	6,507,141.618	-5.80%	5.80%	-5.2	5.2	-0.002	0.031	-0.044	631.883	631.549	632.228	631.881	631.58	632.184	631.991	631.690	632.294
526+500.00	110	461,111.845	6,507,125.005	-5.80%	5.80%	-5.2	5.2	-0.001	0.054	-0.054	632.961	632.605	633.316	632.960	632.659	633.262	633.070	632.769	633.372
526+518.87	110	461,123.221	6,507,109.951	-5.80%	5.80%	-5.2	5.2	0.014	0.029	-0.054	633.970	633.659	634.328	633.984	633.688	634.274	634.094	633.798	634.384
526+520.00	110	461,123.927	6,507,109.070	-5.70%	5.70%	-5.2	5.2	0.015	0.027	-0.047	634.027	633.720	634.384	634.042	633.747	634.337	634.152	633.857	634.447

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
526+540.00	110	461,136.851	6,507,093.809	-3.40%	3.40%	-5.2	5.2	0.020	0.043	-0.065	635.007	634.806	635.271	635.027	634.849	635.206	635.137	634.959	635.316
526+560.00	110	461,150.283	6,507,078.991	-1.20%	1.20%	-5.2	5.2	0.014	-0.040	-0.027	635.873	635.865	635.977	635.887	635.825	635.95	635.997	635.935	636.06
526+580.00	110	461,163.869	6,507,064.314	1.00%	-1.00%	-5.2	5.2	0.020	-0.115	0.067	636.681	636.870	636.580	636.701	636.755	636.647	636.811	636.865	636.757
526+600.00	110	461,177.267	6,507,049.465	3.30%	-3.30%	-5.2	5.2	0.020	-0.013	0.140	637.520	637.724	637.229	637.540	637.711	637.369	637.650	637.821	637.479
526+618.87	110	461,189.422	6,507,035.032	5.40%	-5.40%	-5.2	5.2	-0.001	0.001	0.065	638.212	638.479	637.871	638.211	638.48	637.936	638.321	638.590	638.046
526+620.00	110	461,190.127	6,507,034.151	5.40%	-5.40%	-5.2	5.2	-0.006	0.012	0.051	638.255	638.519	637.918	638.249	638.531	637.969	638.359	638.641	638.079
526+640.00	110	461,202.143	6,507,018.166	5.40%	-5.40%	-5.2	5.2	-0.001	0.030	0.037	639.026	639.276	638.708	639.025	639.306	638.745	639.135	639.416	638.855
526+660.00	110	461,213.225	6,507,001.521	5.40%	-5.40%	-5.2	5.2	-0.002	0.032	0.013	639.752	640.000	639.457	639.750	640.032	639.47	639.860	640.142	639.58
526+680.00	110	461,223.340	6,506,984.270	5.40%	-5.40%	-5.2	5.2	-0.011	0.017	0.029	640.423	640.676	640.102	640.412	640.693	640.131	640.522	640.803	640.241
526+700.00	110	461,232.452	6,506,966.469	5.40%	-5.40%	-5.2	5.2	-0.015	0.015	0.060	641.066	641.317	640.710	641.051	641.332	640.77	641.161	641.442	640.88
526+720.00	110	461,240.533	6,506,948.177	5.40%	-5.40%	-5.2	5.2	0.000	0.015	0.036	641.638	641.904	641.321	641.638	641.919	641.357	641.748	642.029	641.467
526+740.00	110	461,247.556	6,506,929.454	5.40%	-5.40%	-5.2	5.2	-0.001	-0.013	0.053	642.242	642.536	641.908	642.241	642.523	641.961	642.351	642.633	642.071
526+760.00	110	461,253.498	6,506,910.360	5.40%	-5.40%	-5.2	5.2	0.003	-0.056	0.066	642.825	643.166	642.482	642.828	643.11	642.548	642.938	643.220	642.658
526+780.00	110	461,258.340	6,506,890.958	5.40%	-5.40%	-5.2	5.2	0.004	-0.038	0.051	643.382	643.705	643.055	643.386	643.667	643.106	643.496	643.777	643.216
526+800.00	110	461,262.066	6,506,871.311	5.40%	-5.40%	-5.2	5.2	0.005	-0.038	0.059	643.940	644.264	643.605	643.945	644.226	643.664	644.055	644.336	643.774
526+820.00	110	461,264.664	6,506,851.483	5.40%	-5.40%	-5.2	5.2	0.009	-0.033	0.047	644.518	644.841	644.200	644.527	644.808	644.247	644.637	644.918	644.357
526+840.00	110	461,266.125	6,506,831.539	5.40%	-5.40%	-5.2	5.2	-0.002	-0.004	0.033	645.099	645.383	644.784	645.097	645.379	644.817	645.207	645.489	644.927
526+860.00	110	461,266.445	6,506,811.544	5.40%	-5.40%	-5.2	5.2	-0.007	-0.004	0.023	645.690	645.969	645.380	645.683	645.965	645.403	645.793	646.075	645.513
526+880.00	110	461,265.623	6,506,791.564	5.40%	-5.40%	-5.2	5.2	-0.006	-0.044	0.042	646.284	646.603	645.956	646.278	646.559	645.998	646.388	646.669	646.108
526+900.00	110	461,263.660	6,506,771.663	5.40%	-5.40%	-5.2	5.2	-0.005	-0.037	0.045	646.867	647.180	646.536	646.862	647.143	646.581	646.972	647.253	646.691
526+920.00	110	461,260.565	6,506,751.907	5.40%	-5.40%	-5.2	5.2	-0.006	-0.022	0.025	647.473	647.770	647.162	647.467	647.748	647.187	647.577	647.858	647.297
526+940.00	110	461,256.346	6,506,732.360	5.40%	-5.40%	-5.2	7.789	0.009	0.004	0.037	648.185	648.472	647.737	648.194	648.476	647.774	648.304	648.586	647.884
526+960.00	110	461,251.017	6,506,713.086	5.40%	-5.40%	-5.2	7.068	0.009	0.007	-0.075	648.913	649.196	648.616	648.922	649.203	648.541	649.032	649.313	648.651
526+980.00	110	461,244.597	6,506,694.147	5.40%	-5.40%	-5.2	5.65	-0.001	-0.025	0.101	649.626	649.932	649.222	649.625	649.907	649.323	649.735	650.017	649.433
527+000.00	110	461,237.105	6,506,675.606	5.40%	-5.40%	-5.2	5.65	-0.001	-0.010	-0.014	650.428	650.718	650.139	650.427	650.708	650.125	650.537	650.818	650.235
527+018.04	110	461,229.449	6,506,659.274	5.40%	-5.40%	-5.2	5.65	0.003	0.043	-0.011	651.305	651.529	651.024	651.308	651.572	651.013	651.418	651.682	651.123
527+020.00	110	461,228.567	6,506,657.523	5.20%	-5.20%	-5.2	5.65	0.000	0.056	-0.011	651.404	651.620	651.123	651.404	651.676	651.112	651.514	651.786	651.222
527+040.00	110	461,219.083	6,506,639.917	3.40%	-3.40%	-5.2	6.437	-0.015	-0.001	0.048	652.380	652.544	652.096	652.365	652.543	652.144	652.475	652.653	652.254
527+055.82	110	461,211.118	6,506,626.251	2.00%	-2.00%	-5.2	7.47	-0.008	-0.016	0.092	653.150	653.261	652.895	653.142	653.245	652.987	653.252	653.355	653.097
527+060.00	110	461,208.967	6,506,622.664	1.60%	-2.00%	-5.2	6.597	-0.015	-0.014	0.089	653.383	653.466	653.147	653.368	653.452	653.236	653.478	653.562	653.346
527+078.04	110	461,199.580	6,506,607.259	0.00%	-2.00%	-5.2	5.2	-0.007	0.022	0.015	654.358	654.329	654.232	654.351	654.351	654.247	654.461	654.461	654.357
527+080.00	110	461,198.556	6,506,605.588	-0.20%	-2.00%	-5.2	5.2	-0.005	0.028	0.005	654.461	654.419	654.347	654.456	654.447	654.352	654.566	654.557	654.462
527+100.00	110	461,188.105	6,506,588.536	-2.00%	-2.00%	-5.2	5.2	-0.005	0.012	-0.074	655.456	655.336	655.421	655.451	655.348	655.347	655.561	655.458	655.457
527+100.26	110	461,187.968	6,506,588.312	-2.00%	-2.00%	-5.2	5.2	-0.005	0.014	-0.074	655.469	655.348	655.434	655.464	655.362	655.36	655.574	655.472	655.47
527+120.00	110	461,177.654	6,506,571.484	-2.00%	-2.00%	-5.2	5.2	0.000	0.095	-0.053	656.497	656.298	656.446	656.497	656.393	656.393	656.607	656.503	656.503
527+140.00	110	461,167.203	6,506,554.431	-2.00%	-2.00%	-5.2	5.2	-0.010	0.057	-0.055	657.544	657.373	657.485	657.534	657.43	657.43	657.644	657.540	657.54
527+160.00	110	461,156.752	6,506,537.379	-2.00%	-2.00%	-5.2	5.2	-0.010	0.062	-0.018	658.603	658.427	658.507	658.593	658.489	658.489	658.703	658.599	658.599
527+180.00	110	461,146.301	6,506,520.327	-2.00%	-2.00%	-5.2	5.2	-0.020	0.108	-0.011	659.695	659.463	659.582	659.675	659.571	659.571	659.785	659.681	659.681
527+198.60	110	461,136.581	6,506,504.467	-2.00%	-2.00%	-5.2	5.2	-0.020	0.149	-0.005	660.733	660.460	660.619	660.713	660.609	660.614	660.823	660.719	660.724
527+200.00	110	461,135.850	6,506,503.275	-2.00%	-1.90%	-5.2	5.2	-0.020	0.152	-0.002	660.811	660.535	660.694	660.791	660.687	660.692	660.901	660.797	660.802
527+220.00	110	461,125.399	6,506,486.222	-2.00%	-0.40%	-5.2	5.2	0.000	0.165	0.076	661.939	661.670	661.841	661.939	661.835	661.917	662.049	661.945	662.027
527+240.00	110	461,114.949	6,506,469.170	-2.00%	1.00%	-5.2	5.2	0.000	0.176	0.108	663.062	662.782	663.008	663.062	662.958	663.116	663.172	663.068	663.226
527+253.15	110	461,108.079	6,506,457.961	-2.00%	2.00%	-5.2	5.2	-0.001	0.178	0.083	663.785	663.502	663.787	663.784	663.68	663.87	663.894	663.790	663.98
527+260.00	110	461,104.498	6,506,452.117	-2.00%	2.00%	-5.2	5.2	0.000	0.159	0.088	664.160	663.897	664.176	664.160	664.056	664.264	664.270	664.166	664.374
527+280.00	110	461,094.098	6,506,435.035	-2.00%	2.00%	-5.2	5.2	-0.030	0.080	0.056	665.257	665.043	665.275	665.227	665.123	665.331	665.337	665.233	665.441
527+280.42	110	461,093.881	6,506,434.675	-2.00%	2.00%	-5.2	5.2	-0.030	0.077	0.057	665.280	665.067	665.298	665.250	665.144	665.355	665.360	665.254	665.465
527+300.00	110	461,083.867	6,506,417.849	-3.80%	3.80%	-5.2	5.2	-0.030	0.012	0.095	666.343	666.104	666.415	666.313	666.116	666.51	666.423	666.226	666.62
527+313.15	110	461,077.298	6,506,406.461	-5.00%	5.00%	-5.2	5.2	-0.032	-0.015	0.104	667.062	666.795	667.171	667.030	666.78	667.275	667.140	666.890	667.385
527+320.00	110	461,073.936	6,506,400.490	-5.00%	5.00%	-5.2	5.2	-0.035	-0.003	0.094	667.434	667.142	667.565	667.399	667.139	667.659	667.509	667.249	667.769
527+340.00	110	461,064.387	6,506,382.917	-5.00%	5.00%	-5.2	5.2	-0.036	0.034	0.061	668.518	668.188	668.681	668.482	668.222	668.742	668.592	668.332	668.852
527+360.00	110	461,055.231	6,506,365.137	-5.00%	5.00%	-5.2	5.2	-0.035	0.052	0.054	669.574	669.227	669.745	669.539	669.279	669.799	669.649	669.389	669.909
527+380.00	110	461,046.472	6,506,347.157	-5.00%	5.00%	-5.2	5.2	-0.036	0.052	0.036	670.647	670.299	670.835	670.611	670.351	670.871	670.721	670.461	670.981
527+400.00	110	461,038.114	6,506,328.987	-5.00%	5.00%	-5.2	5.2	-0.036	0.052	0.021	671.716	671.368	671.919	671.680	671.42	671.94	671.790	671.530	672.05
527+420.00	110	461,030.163	6,506,310.636	-5.00%	5.00%	-5.2	5.2	-0.025	0.062	0.026	672.759	672.412	672.968	672.734	672.474	672.994	672.844	672.584	673.104
527+440.00	110	461,022.621	6,506,292.113	-5.00%	5.00%	-5.2	5.2	-0.026	0.033	0.071	673.852	673.533	674.015	673.826	673.566	674.086	673.936	673.676	674.196
527+460.00	110	461,015.492	6,506,273.427	-5.00%	5.00%	-5.2	5.2	-0.026	0.043	0.028	674.923	674.594	675.129	674.897	674.637	675.157	675.007	674.747	675.267
527+480.00	110	461,008.781	6,506,254.587	-5.00%	5.00%	-5.2	5.2	-0.045	0.141	0.047	676.006	675.560	676.174	675.961	675.701	676.221	676.071	675.811	676.331
527+500.00	110	461,002.490	6,506,235.603	-5.00%	5.00%	-5.2	5.2	-0.041	0.089	0.033	676.980	676.590	677.166	676.939	676.679	677.199	677.049	676.789	677.309
527+520.00	110	460,996.622	6,506,216.484	-5.00%	5.00%	-5.2	5.2	-0.030	0.081	0.039	677.884	677.513	678.075	677.854	677.594	678.114	677.964	677.704	678.224
527+540.00	110	460,991.181	6,506,197.239	-5.00%	5.00%	-5.2	5.2	-0.021	0.118	0.044	678.716	678.318	678.912	678.695	678.436	678.956	678.805	678.546	679.066
527+560.00	110	460,986.168	6,506,177.877	-5.00%	5.00%	-5.2	5.2	-0.041	0.059	0.042	679.449	679.090	679.627	679.408	679.149	679.669	679.518	679.259	679.779
527+580.00	110	460,981.587	6,506,158.409	-5.00%	5.00%	-5.2	5.2	-0.040	0.098	0.070	680.094	679.696	680.244	680.054	679.794	680.314	680.164	679.904	680.424

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
527+600.00	110	460,977.440	6,506,138.845	-5.00%	5.00%	-5.2	5.2	-0.042	0.053	0.039	680.534	680.180	680.714	680.492	680.233	680.753	680.602	680.343	680.863
527+620.00	110	460,973.728	6,506,119.192	-5.00%	5.00%	-5.2	5.2	-0.031	0.099	0.101	680.907	680.518	681.036	680.876	680.617	681.137	680.986	680.727	681.247
527+640.00	110	460,970.454	6,506,099.463	-5.00%	5.00%	-5.2	5.2	-0.030	0.141	0.102	681.159	680.728	681.287	681.129	680.869	681.389	681.239	680.979	681.499
527+660.00	110	460,967.620	6,506,079.665	-5.00%	5.00%	-5.2	5.2	-0.011	0.129	0.025	681.272	680.873	681.497	681.261	681.002	681.522	681.371	681.112	681.632
527+680.00	110	460,965.225	6,506,059.809	-5.00%	5.00%	-5.2	5.2	-0.010	0.151	0.030	681.234	680.813	681.454	681.224	680.964	681.484	681.334	681.074	681.594
527+700.00	110	460,963.273	6,506,039.905	-5.00%	5.00%	-5.2	5.2	-0.010	0.193	0.041	681.110	680.647	681.319	681.100	680.84	681.36	681.210	680.950	681.47
527+720.00	110	460,961.764	6,506,019.963	-5.00%	5.00%	-5.2	5.2	0.000	0.127	0.027	680.852	680.465	681.085	680.852	680.592	681.112	680.962	680.702	681.222
527+740.00	110	460,960.697	6,505,999.991	-5.00%	5.00%	-5.2	5.2	0.000	0.139	0.052	680.566	680.167	680.774	680.566	680.306	680.826	680.676	680.416	680.936
527+760.00	110	460,960.075	6,505,980.001	-5.00%	5.00%	-5.2	5.2	-0.001	0.139	0.064	680.197	679.798	680.393	680.196	679.937	680.457	680.306	680.047	680.567
527+780.00	110	460,959.898	6,505,960.003	-5.00%	5.00%	-5.2	5.2	0.000	0.152	0.078	679.787	679.375	679.969	679.787	679.527	680.047	679.897	679.637	680.157
527+800.00	110	460,960.164	6,505,940.005	-5.00%	5.00%	-5.2	5.2	-0.036	0.066	0.044	679.359	678.997	679.539	679.323	679.063	679.583	679.433	679.173	679.693
527+802.42	110	460,960.227	6,505,937.587	-5.00%	5.00%	-5.2	5.2	-0.029	0.082	0.048	679.313	678.951	679.484	679.284	679.033	679.532	679.394	679.143	679.642
527+820.00	110	460,960.859	6,505,920.017	-3.40%	3.40%	-5.2	5.2	-0.010	0.130	-0.005	678.896	678.580	679.067	678.886	678.71	679.062	678.996	678.820	679.172
527+835.15	110	460,961.601	6,505,904.889	-2.00%	2.00%	-5.2	5.2	0.004	0.262	-0.005	678.558	678.184	678.681	678.562	678.446	678.676	678.672	678.556	678.786
527+840.00	110	460,961.867	6,505,900.043	-2.00%	2.00%	-5.2	5.2	0.010	0.276	-0.008	678.434	678.064	678.556	678.444	678.34	678.548	678.554	678.450	678.658
527+860.00	110	460,963.041	6,505,880.077	-2.00%	2.00%	-5.2	5.2	0.010	0.263	0.022	677.975	677.618	678.067	677.985	677.881	678.089	678.095	677.991	678.199
527+862.42	110	460,963.187	6,505,877.663	-2.00%	2.00%	-5.2	5.2	0.009	0.263	0.019	677.934	677.576	678.020	677.943	677.839	678.039	678.053	677.949	678.149
527+880.00	110	460,964.249	6,505,860.114	-2.00%	0.70%	-5.2	5.2	0.010	0.236	0.017	677.629	677.299	677.659	677.639	677.535	677.676	677.749	677.645	677.786
527+900.00	110	460,965.458	6,505,840.150	-2.00%	-0.80%	-5.2	5.2	0.020	0.160	-0.022	677.196	676.952	677.199	677.216	677.112	677.177	677.326	677.222	677.287
527+916.96	110	460,966.483	6,505,823.218	-2.00%	-2.00%	-5.2	5.2	0.034	0.165	-0.015	676.821	676.586	676.775	676.855	676.751	676.76	676.965	676.861	676.87
527+920.00	110	460,966.667	6,505,820.187	-2.00%	-2.00%	-5.2	5.2	0.020	0.144	-0.035	676.770	676.542	676.721	676.790	676.686	676.686	676.900	676.796	676.796
527+940.00	110	460,967.875	6,505,800.224	-2.00%	-2.00%	-5.2	5.2	0.045	0.145	0.005	676.412	676.208	676.348	676.457	676.353	676.353	676.567	676.463	676.463
527+960.00	110	460,969.084	6,505,780.260	-2.00%	-2.00%	-5.2	5.2	0.045	0.159	0.002	675.983	675.765	675.922	676.028	675.924	675.924	676.138	676.034	676.034
527+980.00	110	460,970.293	6,505,760.297	-2.00%	-2.00%	-5.2	5.2	0.045	0.162	0.021	675.568	675.347	675.488	675.613	675.509	675.509	675.723	675.619	675.619
528+000.00	110	460,971.501	6,505,740.333	-2.00%	-2.00%	-5.2	5.2	0.000	0.106	-0.037	675.150	674.940	675.083	675.150	675.046	675.046	675.260	675.156	675.156
528+020.00	100	460,972.710	6,505,720.370	-2.00%	-2.00%	-5.2	5.2	0.000	0.137	-0.003	674.754	674.513	674.653	674.754	674.65	674.65	674.854	674.750	674.75
528+040.00	100	460,973.919	6,505,700.406	-2.00%	-2.00%	-5.2	5.2	0.000	0.189	-0.030	674.366	674.073	674.292	674.366	674.262	674.262	674.466	674.362	674.362
528+060.00	100	460,975.127	6,505,680.443	-2.00%	-2.00%	-5.2	5.2	0.030	0.137	-0.020	673.939	673.728	673.885	673.969	673.865	673.865	674.069	673.965	673.965
528+080.00	100	460,976.336	6,505,660.479	-2.00%	-2.00%	-5.2	5.2	0.030	0.122	0.012	673.549	673.353	673.463	673.579	673.475	673.475	673.679	673.575	673.575
528+100.00	100	460,977.545	6,505,640.516	-2.00%	-2.00%	-5.2	5.2	0.000	-0.010	0.043	673.201	673.107	673.054	673.201	673.097	673.097	673.301	673.197	673.197
528+120.00	100	460,978.753	6,505,620.553	-2.00%	-2.00%	-5.2	5.2	0.000	0.049	0.043	672.875	672.722	672.728	672.875	672.771	672.771	672.975	672.871	672.871
528+140.00	100	460,979.962	6,505,600.589	-2.00%	-2.00%	-5.2	5.2	0.055	0.121	0.116	672.492	672.322	672.327	672.547	672.443	672.443	672.647	672.543	672.543
528+160.00	100	460,981.171	6,505,580.626	-2.00%	-2.00%	-5.2	5.2	0.230	0.269	0.279	672.125	671.982	671.972	672.355	672.251	672.251	672.455	672.351	672.351
528+180.00	100	460,982.379	6,505,560.662	-2.00%	-2.00%	-5.2	5.2	0.531	0.567	0.593	671.764	671.624	671.598	672.295	672.191	672.191	672.395	672.291	672.291
528+200.00	100	460,983.588	6,505,540.699	-2.00%	-2.00%	-5.2	5.2	0.879	0.993	0.950	671.490	671.272	671.315	672.369	672.265	672.265	672.469	672.365	672.365
528+220.00	100	460,984.797	6,505,520.735	-2.00%	-2.00%	-5.2	5.2	1.166	1.305	1.237	671.410	671.167	671.235	672.576	672.472	672.472	672.676	672.572	672.572
528+240.00	100	460,986.005	6,505,500.772	-2.00%	-2.00%	-5.2	5.2	1.375	1.455	1.415	671.541	671.357	671.397	672.916	672.812	672.812	673.016	672.912	672.912
528+260.00	100	460,987.214	6,505,480.808	-2.00%	-2.00%	-5.2	5.2	1.410	1.439	1.468	671.980	671.847	671.818	673.390	673.286	673.286	673.490	673.386	673.386
528+280.00	100	460,988.423	6,505,460.845	-2.00%	-2.00%	-5.2	5.2	1.335	1.377	1.374	672.662	672.516	672.519	673.997	673.893	673.893	674.097	673.993	673.993
528+300.00	100	460,989.631	6,505,440.881	-2.00%	-2.00%	-5.2	5.2	1.139	1.218	1.252	673.599	673.416	673.382	674.738	674.634	674.634	674.838	674.734	674.734
528+320.00	100	460,990.840	6,505,420.918	-2.00%	-2.00%	-5.2	5.2	0.816	0.744	0.940	674.796	674.764	674.568	675.612	675.508	675.508	675.712	675.608	675.608
528+331.91	100	460,991.560	6,505,409.029	-2.00%	-2.00%	-5.2	5.2	0.589	0.556	0.701	675.622	675.577	675.406	676.211	676.133	676.107	676.311	676.233	676.207
528+340.00	100	460,992.048	6,505,400.955	-1.20%	-2.00%	-5.2	5.2	0.434	0.429	0.547	676.185	676.129	675.968	676.619	676.558	676.515	676.719	676.658	676.615
528+360.00	100	460,993.257	6,505,380.991	0.90%	-2.00%	-5.2	5.2	0.167	0.082	0.285	677.592	677.722	677.370	677.759	677.804	677.655	677.859	677.904	677.755
528+371.13	100	460,993.930	6,505,369.884	2.00%	-2.00%	-5.2	5.2	0.076	-0.004	0.219	678.392	678.549	678.145	678.468	678.545	678.364	678.568	678.645	678.464
528+380.00	100	460,994.460	6,505,361.027	2.00%	-2.00%	-5.2	5.2	-0.002	-0.041	0.169	679.035	679.178	678.760	679.033	679.137	678.929	679.133	679.237	679.029
528+390.74	100	460,995.053	6,505,350.309	2.00%	-2.00%	-5.2	5.2	0.009	-0.058	0.230	679.779	679.948	679.450	679.788	679.89	679.68	679.888	679.990	679.78
528+400.00	100	460,995.479	6,505,341.054	3.20%	-3.20%	-5.2	5.2	0.010	-0.038	0.224	680.402	680.618	680.021	680.412	680.58	680.245	680.512	680.680	680.345
528+420.00	100	460,995.935	6,505,321.060	5.90%	-5.90%	-5.2	5.2	0.010	-0.016	0.147	681.654	681.984	681.213	681.664	681.968	681.36	681.764	682.068	681.46
528+421.13	100	460,995.936	6,505,319.933	6.00%	-6.00%	-5.2	5.2	0.011	-0.024	0.149	681.720	682.055	681.276	681.731	682.031	681.425	681.831	682.131	681.525
528+440.00	100	460,995.492	6,505,301.067	6.00%	-6.00%	-5.2	5.2	0.010	-0.009	0.172	682.832	683.163	682.358	682.842	683.154	682.53	682.942	683.254	682.63
528+460.00	100	460,994.075	6,505,281.119	6.00%	-6.00%	-5.2	5.2	0.000	0.001	0.194	683.955	684.266	683.449	683.955	684.267	683.643	684.055	684.367	683.743
528+480.00	100	460,991.687	6,505,261.264	6.00%	-6.00%	-5.2	5.2	-0.001	-0.023	0.187	685.005	685.339	684.505	685.004	685.316	684.692	685.104	685.416	684.792
528+500.00	100	460,988.333	6,505,241.549	6.00%	-6.00%	-5.2	5.2	0.000	-0.002	0.174	686.035	686.349	685.549	686.035	686.347	685.723	686.135	686.447	685.823
528+520.00	100	460,984.022	6,505,222.022	6.00%	-6.00%	-5.2	5.2	0.000	0.002	0.156	686.987	687.297	686.519	686.987	687.299	686.675	687.087	687.399	686.775
528+540.00	100	460,978.764	6,505,202.727	6.00%	-6.00%	-5.2	5.2	-0.035	0.000	0.104	687.875	688.152	687.424	687.840	688.152	687.528	687.940	688.252	687.628
528+555.06	100	460,974.188	6,505,188.381	6.00%	-6.00%	-5.2	5.2	-0.027	-0.023	0.081	688.497	688.776	688.094	688.470	688.753	688.175	688.570	688.853	688.275
528+560.00	100	460,972.573	6,505,183.712	5.30%	-5.30%	-5.2	5.2	-0.035	0.002	0.092	688.708	688.949	688.303	688.673	688.951	688.395	688.773	689.051	688.495
528+580.00	100	460,965.577	6,505,164.976	2.70%	-2.70%	-5.2	5.2	-0.035	-0.033	0.167	689.465	689.604	689.121	689.430	689.571	689.288	689.530	689.671	689.388
528+585.45	100	460,963.576	6,505,159.906	2.00%	-2.00%	-5.2	5.2	-0.036	-0.036	0.151	689.647	689.763	689.339	689.611	689.727	689.49	689.711	689.827	689.59
528+600.00	100	460,958.125	6,505,146.416	2.00%	-2.00%	-5.199	5.201	-0.035	-0.002	0.107	690.121	690.192	689.875	690.086	690.19	689.982	690.186	690.290	690.082
528+605.06	100	460,956.212	6,505,141.733	2.00%	-2.00%	-5.2	5.2	-0.035	0.003	0.115	690.291	690.337	690.037	690.256	690.34	690.152	690.356	690.440	690.252

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Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
528+620.00	100	460,950.557	6,505,127.904	0.50%	-2.00%	-5.2	5.2	-0.040	0.018	0.140	690.798	690.765	690.514	690.758	690.783	690.654	690.858	690.883	690.754
528+640.00	100	460,942.987	6,505,109.392	-1.60%	-2.00%	-5.2	5.2	-0.020	-0.060	0.137	691.349	691.308	691.088	691.329	691.248	691.225	691.429	691.348	691.325
528+644.28	100	460,941.369	6,505,105.435	-2.00%	-2.00%	-5.2	5.2	-0.016	-0.054	0.135	691.473	691.425	691.218	691.457	691.371	691.353	691.557	691.471	691.453
528+660.00	100	460,935.418	6,505,090.879	-2.00%	-2.00%	-5.2	5.2	-0.020	0.000	0.120	691.950	691.826	691.706	691.930	691.826	691.826	692.030	691.926	691.926
528+680.00	100	460,927.849	6,505,072.367	-2.00%	-2.00%	-5.2	5.2	-0.035	0.012	0.087	692.510	692.359	692.284	692.475	692.371	692.371	692.575	692.471	692.471
528+700.00	100	460,920.279	6,505,053.855	-2.00%	-2.00%	-5.2	5.2	-0.035	-0.025	0.094	693.075	692.961	692.842	693.040	692.936	692.936	693.140	693.036	693.036
528+720.00	100	460,912.710	6,505,035.343	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.023	0.120	693.681	693.585	693.442	693.666	693.562	693.562	693.766	693.662	693.662
528+740.00	100	460,905.140	6,505,016.830	-2.00%	-2.00%	-5.2	5.2	-0.026	-0.020	0.122	694.360	694.251	694.109	694.334	694.231	694.231	694.434	694.331	694.331
528+760.00	100	460,897.571	6,504,998.318	-2.00%	-2.00%	-5.2	5.2	-0.025	-0.025	0.119	695.095	694.991	694.847	695.070	694.966	694.966	695.170	695.066	695.066
528+780.00	100	460,890.001	6,504,979.806	-2.00%	-2.00%	-5.2	5.2	-0.015	0.002	0.110	695.830	695.709	695.601	695.815	695.711	695.711	695.915	695.811	695.811
528+800.00	100	460,882.432	6,504,961.294	-2.00%	-2.00%	-5.2	5.2	-0.015	0.000	0.106	696.548	696.429	696.323	696.533	696.429	696.429	696.633	696.529	696.529
528+820.00	100	460,874.924	6,504,942.757	-2.00%	-2.00%	-5.2	5.2	0.000	-0.018	0.095	697.283	697.197	697.084	697.283	697.179	697.179	697.383	697.279	697.279
528+840.00	100	460,867.522	6,504,924.177	-2.00%	-2.00%	-5.2	5.2	0.000	-0.010	0.076	698.051	697.957	697.871	698.051	697.947	697.947	698.151	698.047	698.047
528+860.00	100	460,860.120	6,504,905.597	-2.00%	-2.00%	-5.2	5.2	0.000	-0.014	0.086	698.876	698.786	698.686	698.876	698.772	698.772	698.976	698.872	698.872
528+880.00	100	460,852.718	6,504,887.017	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.019	0.089	699.732	699.637	699.529	699.722	699.618	699.618	699.822	699.718	699.718
528+900.00	100	460,845.316	6,504,868.437	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.004	0.124	700.613	700.503	700.375	700.603	700.499	700.499	700.703	700.599	700.599
528+920.00	100	460,837.914	6,504,849.857	-2.00%	-2.00%	-5.2	5.2	-0.020	0.005	0.107	701.511	701.382	701.280	701.491	701.387	701.387	701.591	701.487	701.487
528+940.00	100	460,830.512	6,504,831.278	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.026	0.088	702.340	702.242	702.128	702.320	702.216	702.216	702.420	702.316	702.316
528+960.00	100	460,823.110	6,504,812.698	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.022	0.116	703.204	703.112	702.974	703.194	703.09	703.09	703.294	703.190	703.19
528+980.00	100	460,815.708	6,504,794.118	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.015	0.106	704.157	704.058	703.937	704.147	704.043	704.043	704.247	704.143	704.143
529+000.00	100	460,808.306	6,504,775.538	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.008	0.093	705.061	704.955	704.854	705.051	704.947	704.947	705.151	705.047	705.047
529+020.00	100	460,800.904	6,504,756.958	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.013	0.102	705.980	705.869	705.754	705.960	705.856	705.856	706.060	705.956	705.956
529+040.00	100	460,793.502	6,504,738.378	-2.00%	-2.00%	-5.2	5.2	0.005	-0.036	0.118	706.921	706.858	706.704	706.926	706.822	706.822	707.026	706.922	706.922
529+060.00	100	460,786.100	6,504,719.798	-2.00%	-2.00%	-5.2	5.2	0.005	-0.016	0.118	707.866	707.783	707.649	707.871	707.767	707.767	707.971	707.867	707.867
529+080.00	100	460,778.698	6,504,701.219	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.003	0.110	708.769	708.648	708.535	708.749	708.645	708.645	708.849	708.745	708.745
529+100.00	100	460,771.296	6,504,682.639	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.049	0.110	709.682	709.607	709.448	709.662	709.558	709.558	709.762	709.658	709.658
529+105.83	100	460,769.139	6,504,677.224	-2.00%	-2.00%	-5.2	5.2	-0.018	-0.042	0.119	709.948	709.886	709.707	709.930	709.844	709.826	710.030	709.944	709.926
529+120.00	100	460,763.894	6,504,664.059	-0.80%	-2.00%	-5.2	5.2	0.005	-0.024	0.128	710.577	710.562	710.350	710.582	710.538	710.478	710.682	710.638	710.578
529+130.39	100	460,760.049	6,504,654.407	0.00%	-2.00%	-5.2	5.2	0.000	-0.027	0.153	711.056	711.082	710.800	711.056	711.055	710.953	711.156	711.155	711.053
529+140.00	100	460,756.485	6,504,645.482	0.80%	-2.00%	-5.199	5.201	0.005	-0.002	0.191	711.490	711.537	711.200	711.495	711.535	711.391	711.595	711.635	711.491
529+154.95	100	460,750.849	6,504,631.634	2.00%	-2.00%	-5.2	5.2	-0.016	-0.030	0.219	712.119	712.233	711.769	712.103	712.203	711.988	712.203	712.303	712.088
529+160.00	100	460,748.898	6,504,626.977	2.40%	-2.40%	-5.2	5.2	-0.010	-0.017	0.219	712.320	712.454	711.963	712.310	712.437	712.182	712.410	712.537	712.282
529+180.00	100	460,740.788	6,504,608.696	4.20%	-4.20%	-5.2	5.2	-0.010	-0.005	0.196	713.108	713.322	712.683	713.098	713.317	712.879	713.198	713.417	712.979
529+200.00	100	460,731.819	6,504,590.823	6.00%	-6.00%	-5.2	5.2	-0.020	0.021	0.149	713.880	714.149	713.401	713.860	714.17	713.55	713.960	714.270	713.65
529+200.39	100	460,731.634	6,504,590.480	6.00%	-6.00%	-5.2	5.2	-0.030	0.006	0.139	713.896	714.165	713.416	713.866	714.171	713.555	713.966	714.271	713.655
529+220.00	100	460,721.731	6,504,573.558	6.00%	-6.00%	-5.2	5.2	-0.031	-0.012	0.141	714.632	714.925	714.148	714.601	714.913	714.289	714.701	715.013	714.389
529+240.00	100	460,710.508	6,504,557.009	6.00%	-6.00%	-5.2	5.2	-0.007	0.002	0.154	715.354	715.658	714.882	715.347	715.66	715.036	715.447	715.760	715.136
529+260.00	100	460,698.200	6,504,541.249	6.00%	-6.00%	-5.2	5.2	-0.005	-0.024	0.173	716.016	716.347	715.526	716.011	716.323	715.699	716.111	716.423	715.799
529+280.00	100	460,684.863	6,504,526.351	6.00%	-6.00%	-5.2	5.2	-0.017	-0.026	0.172	716.630	716.952	716.130	716.613	716.926	716.302	716.713	717.026	716.402
529+300.00	100	460,670.556	6,504,512.380	6.00%	-6.00%	-5.2	5.2	-0.017	-0.035	0.160	717.183	717.514	716.695	717.166	717.479	716.855	717.266	717.579	716.955
529+320.00	100	460,655.345	6,504,499.400	6.00%	-6.00%	-5.2	5.2	-0.020	-0.052	0.161	717.702	718.046	717.209	717.682	717.994	717.37	717.782	718.094	717.47
529+340.00	100	460,639.298	6,504,487.470	6.00%	-6.00%	-5.2	5.2	-0.001	-0.043	0.181	718.150	718.504	717.656	718.149	718.461	717.837	718.249	718.561	717.937
529+360.00	100	460,622.487	6,504,476.643	6.00%	-6.00%	-5.2	5.2	0.023	-0.046	0.206	718.496	718.878	718.002	718.519	718.832	718.208	718.619	718.932	718.308
529+380.00	100	460,604.987	6,504,466.967	6.00%	-6.00%	-5.2	5.2	0.029	-0.045	0.219	718.902	719.288	718.400	718.931	719.243	718.619	719.031	719.343	718.719
529+400.00	100	460,586.878	6,504,458.487	6.00%	-6.00%	-5.2	5.2	0.028	-0.059	0.195	719.286	719.686	718.808	719.314	719.627	719.003	719.414	719.727	719.103
529+420.00	100	460,568.241	6,504,451.240	6.00%	-6.00%	-5.2	5.2	0.028	-0.058	0.173	719.634	720.033	719.178	719.662	719.975	719.351	719.762	720.075	719.451
529+440.00	100	460,549.160	6,504,445.260	6.00%	-6.00%	-5.2	5.298	0.019	-0.054	0.119	719.985	720.371	719.541	720.004	720.317	719.66	720.104	720.417	719.76
529+460.00	100	460,529.721	6,504,440.572	6.00%	-6.00%	-5.2	5.2	-0.006	-0.036	0.127	720.335	720.678	719.891	720.329	720.642	720.018	720.429	720.742	720.118
529+480.00	100	460,510.011	6,504,437.199	6.00%	-6.00%	-5.2	5.2	-0.007	-0.026	0.097	720.683	721.015	720.268	720.676	720.989	720.365	720.776	721.089	720.465
529+500.00	100	460,490.120	6,504,435.155	6.00%	-6.00%	-5.2	5.2	-0.011	-0.031	0.096	721.020	721.352	720.601	721.009	721.321	720.697	721.109	721.421	720.797
529+520.00	100	460,470.136	6,504,434.450	6.00%	-6.00%	-5.2	5.2	-0.011	-0.058	0.121	721.317	721.677	720.874	721.306	721.619	720.995	721.406	721.719	721.095
529+540.00	100	460,450.150	6,504,435.087	6.00%	-6.00%	-5.2	5.2	-0.002	-0.055	0.141	721.621	721.987	721.167	721.619	721.932	721.308	721.719	722.032	721.408
529+560.00	100	460,430.251	6,504,437.062	6.00%	-6.00%	-5.2	5.2	0.000	-0.052	0.113	721.996	722.360	721.571	721.996	722.308	721.684	722.096	722.408	721.784
529+580.00	100	460,410.530	6,504,440.368	6.00%	-6.00%	-5.2	5.2	-0.001	-0.045	0.149	722.384	722.741	721.923	722.383	722.696	722.072	722.483	722.796	722.172
529+584.60	100	460,406.033	6,504,441.314	6.00%	-6.00%	-5.2	5.2	0.001	-0.050	0.153	722.472	722.822	722.012	722.473	722.772	722.165	722.573	722.872	722.265
529+600.00	100	460,391.068	6,504,444.960	4.60%	-4.60%	-5.2	5.2	0.020	-0.059	0.243	722.757	723.077	722.292	722.777	723.018	722.535	722.877	723.118	722.635
529+620.00	100	460,371.871	6,504,450.565	2.90%	-2.90%	-5.2	5.2	0.045	-0.066	0.309	723.112	723.373	722.698	723.157	723.307	723.007	723.257	723.407	723.107
529+630.04	100	460,362.318	6,504,453.638	2.00%	-2.00%	-5.2	5.2	0.045	-0.059	0.313	723.269	723.477	722.897	723.314	723.418	723.21	723.414	723.518	723.31
529+640.00	100	460,352.869	6,504,456.803	2.00%	-2.00%	-5.2	5.2	0.020	-0.028	0.254	723.432	723.584	723.094	723.452	723.556	723.348	723.552	723.656	723.448
529+654.60	100	460,339.064	6,504,461.543	2.00%	-2.00%	-5.2	5.2	0.002	0.039	0.154	723.679	723.735	723.423	723.681	723.774	723.577	723.781	723.874	723.677
529+660.00	100	460,333.956	6,504,463.307	1.60%	-2.00%	-5.2	5.2	-0.005	0.039	0.143	723.786	723.823	723.534	723.781	723.862	723.677	723.881	723.962	723.777
529+680.00	100	460,315.052	6,504,469.835	-0.10%	-2.00%	-5.2	5.2	-0.005	-0.007	0.131	724.160	724.158	723.920	724.155	724.151	724.051	724.255	724.251	724.151

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
529+700.00	100	460,296.147	6,504,476.364	-1.70%	-2.00%	-5.2	5.2	0.010	-0.063	0.172	724.530	724.515	724.264	724.540	724.452	724.436	724.640	724.552	724.536
529+703.72	100	460,292.633	6,504,477.577	-2.00%	-2.00%	-5.2	5.2	0.008	-0.059	0.179	724.607	724.582	724.332	724.615	724.523	724.511	724.715	724.623	724.611
529+720.00	100	460,277.243	6,504,482.892	-2.00%	-2.00%	-5.2	5.2	0.015	-0.030	0.208	724.927	724.868	724.630	724.942	724.838	724.838	725.042	724.938	724.938
529+740.00	100	460,258.338	6,504,489.420	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.043	0.161	725.329	725.258	725.054	725.319	725.215	725.215	725.419	725.315	725.315
529+760.00	100	460,239.433	6,504,495.948	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.047	0.125	725.861	725.784	725.612	725.841	725.737	725.737	725.941	725.837	725.837
529+780.00	100	460,220.529	6,504,502.476	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.032	0.094	726.504	726.422	726.296	726.494	726.39	726.39	726.594	726.490	726.49
529+800.00	100	460,201.624	6,504,509.004	-2.00%	-2.00%	-5.2	5.2	-0.010	0.018	0.074	727.234	727.102	727.046	727.224	727.12	727.12	727.324	727.220	727.22
529+820.00	100	460,182.720	6,504,515.533	-2.00%	-2.00%	-5.2	5.2	-0.005	0.011	0.051	728.006	727.886	727.846	728.001	727.897	727.897	728.101	727.997	727.997
529+840.00	100	460,163.815	6,504,522.061	-2.00%	-2.00%	-5.2	5.2	-0.005	0.004	0.041	728.909	728.796	728.759	728.904	728.8	728.8	729.004	728.900	728.9
529+860.00	100	460,144.911	6,504,528.589	-2.00%	-2.00%	-5.2	5.2	-0.005	0.022	0.026	729.865	729.734	729.730	729.860	729.756	729.756	729.960	729.856	729.856
529+880.00	100	460,126.006	6,504,535.117	-2.00%	-2.00%	-5.2	5.2	-0.010	0.015	0.012	730.903	730.774	730.777	730.893	730.789	730.789	730.993	730.889	730.889
529+900.00	100	460,107.101	6,504,541.645	-2.00%	-2.00%	-5.2	5.2	-0.010	0.024	0.053	732.046	731.908	731.879	732.036	731.932	731.932	732.136	732.032	732.032
529+920.00	100	460,088.197	6,504,548.173	-2.00%	-2.00%	-5.2	5.2	-0.001	0.004	0.046	733.194	733.086	733.044	733.193	733.09	733.09	733.293	733.190	733.19
529+940.00	100	460,069.292	6,504,554.702	-2.00%	-2.00%	-5.2	5.2	0.000	0.040	0.046	734.412	734.268	734.262	734.412	734.308	734.308	734.512	734.408	734.408
529+960.00	100	460,050.388	6,504,561.230	-2.00%	-2.00%	-5.2	5.2	0.005	0.024	0.043	735.604	735.481	735.462	735.609	735.505	735.505	735.709	735.605	735.605
529+980.00	100	460,031.483	6,504,567.758	-2.00%	-2.00%	-5.2	5.2	0.005	0.039	0.041	736.803	736.665	736.663	736.808	736.704	736.704	736.908	736.804	736.804
530+000.00	100	460,012.578	6,504,574.286	-2.00%	-2.00%	-5.2	5.2	0.005	0.079	0.035	738.002	737.824	737.868	738.007	737.903	737.903	738.107	738.003	738.003
530+020.00	130	459,993.674	6,504,580.814	-2.00%	-2.00%	-5.2	5.2	0.000	0.091	0.039	739.189	738.994	739.046	739.189	739.085	739.085	739.319	739.215	739.215
530+040.00	160	459,974.769	6,504,587.342	-2.00%	-2.00%	-5.2	5.2	0.000	0.081	0.013	740.342	740.157	740.225	740.342	740.238	740.238	740.502	740.398	740.398
530+060.00	160	459,955.865	6,504,593.870	-2.00%	-2.00%	-5.2	5.2	0.000	0.060	0.016	741.561	741.397	741.441	741.561	741.457	741.457	741.721	741.617	741.617
530+080.00	160	459,936.960	6,504,600.399	-2.00%	-2.00%	-5.2	5.2	0.000	0.046	0.037	742.764	742.614	742.623	742.764	742.66	742.66	742.924	742.820	742.82
530+100.00	160	459,918.056	6,504,606.927	-2.00%	-2.00%	-5.2	5.2	0.000	0.028	0.036	743.907	743.775	743.767	743.907	743.803	743.803	744.067	743.963	743.963
530+120.00	160	459,899.151	6,504,613.455	-2.00%	-2.00%	-5.2	5.2	0.000	0.024	0.065	745.085	744.957	744.916	745.085	744.981	744.981	745.245	745.141	745.141
530+140.00	160	459,880.246	6,504,619.983	-2.00%	-2.00%	-5.2	5.2	0.000	0.018	0.068	746.265	746.143	746.093	746.265	746.161	746.161	746.425	746.321	746.321
530+160.00	160	459,861.342	6,504,626.511	-2.00%	-2.00%	-5.2	5.2	0.000	0.038	0.073	747.430	747.288	747.253	747.430	747.326	747.326	747.590	747.486	747.486
530+180.00	160	459,842.437	6,504,633.039	-2.00%	-2.00%	-5.2	5.2	0.000	0.034	0.058	748.570	748.432	748.408	748.570	748.466	748.466	748.730	748.626	748.626
530+200.00	160	459,823.533	6,504,639.568	-2.00%	-2.00%	-5.2	5.2	0.000	0.039	0.057	749.719	749.576	749.558	749.719	749.615	749.615	749.879	749.775	749.775
530+220.00	160	459,804.628	6,504,646.096	-2.00%	-2.00%	-5.2	7.748	0.000	0.038	0.058	750.829	750.687	750.617	750.829	750.725	750.675	750.989	750.885	750.835
530+240.00	160	459,785.724	6,504,652.624	-2.00%	-2.00%	-5.2	7.203	0.000	0.068	0.098	751.953	751.781	751.712	751.953	751.849	751.81	752.113	752.009	751.97
530+260.00	160	459,766.819	6,504,659.152	-2.00%	-2.00%	-5.2	6.004	-0.025	0.031	-0.010	753.089	752.929	752.955	753.064	752.96	752.945	753.224	753.120	753.105
530+280.00	160	459,747.914	6,504,665.680	-2.00%	-2.00%	-5.2	5.655	-0.030	0.021	0.046	754.224	754.069	754.036	754.194	754.09	754.082	754.354	754.250	754.242
530+300.00	160	459,729.010	6,504,672.208	-2.00%	-2.00%	-5.2	5.655	-0.030	0.041	0.022	755.366	755.191	755.202	755.336	755.232	755.224	755.496	755.392	755.384
530+320.00	160	459,710.105	6,504,678.737	-2.00%	-2.00%	-5.2	5.655	0.020	0.092	0.029	756.514	756.338	756.393	756.534	756.43	756.422	756.694	756.590	756.582
530+340.00	160	459,691.201	6,504,685.265	-2.00%	-2.00%	-5.2	5.655	0.020	0.073	-0.015	757.634	757.477	757.557	757.654	757.55	757.542	757.814	757.710	757.702
530+360.00	160	459,672.296	6,504,691.793	-2.00%	-2.00%	-5.2	5.655	0.045	0.101	-0.053	758.755	758.595	758.741	758.800	758.696	758.688	758.960	758.856	758.848
530+380.00	160	459,653.392	6,504,698.321	-2.00%	-2.00%	-5.2	5.655	0.045	0.104	-0.070	759.868	759.705	759.871	759.913	759.809	759.801	760.073	759.969	759.961
530+381.46	160	459,652.016	6,504,698.796	-2.00%	-2.00%	-5.2	5.655	0.045	0.101	-0.067	759.947	759.787	759.954	759.992	759.888	759.887	760.152	760.048	760.047
530+400.00	160	459,634.487	6,504,704.849	-2.00%	-0.20%	-5.2	5.655	0.045	0.086	-0.008	760.958	760.813	760.998	761.003	760.899	760.99	761.163	761.059	761.15
530+420.00	160	459,615.582	6,504,711.377	-2.00%	1.70%	-5.2	5.655	0.020	0.120	-0.004	762.076	761.872	762.193	762.096	761.992	762.189	762.256	762.152	762.349
530+423.56	160	459,612.216	6,504,712.540	-2.00%	2.00%	-5.2	5.655	0.020	0.146	-0.007	762.278	762.048	762.413	762.298	762.194	762.406	762.458	762.354	762.566
530+440.00	160	459,596.665	6,504,717.867	-2.00%	2.00%	-5.2	5.655	0.045	0.236	-0.077	763.216	762.921	763.450	763.261	763.157	763.373	763.421	763.317	763.533
530+444.61	160	459,592.289	6,504,719.331	-2.00%	2.00%	-5.2	5.655	0.046	0.238	-0.080	763.480	763.171	763.726	763.526	763.409	763.646	763.686	763.569	763.806
530+460.00	160	459,577.634	6,504,724.016	-3.60%	3.60%	-5.2	5.655	0.045	0.207	-0.076	764.346	763.998	764.668	764.391	764.205	764.592	764.551	764.365	764.752
530+480.00	160	459,558.375	6,504,729.401	-5.60%	5.60%	-5.2	5.655	0.045	0.163	-0.035	765.455	765.044	765.851	765.500	765.207	765.816	765.660	765.367	765.976
530+483.56	160	459,554.916	6,504,730.247	-6.00%	6.00%	-5.2	5.655	0.045	0.163	-0.020	765.649	765.224	766.042	765.694	765.387	766.022	765.854	765.547	766.182
530+500.00	160	459,538.830	6,504,733.628	-6.00%	6.00%	-5.2	5.655	0.019	0.174	-0.058	766.562	766.095	766.975	766.581	766.269	766.917	766.741	766.429	767.077
530+520.00	160	459,519.051	6,504,736.566	-6.00%	6.00%	-5.2	5.655	0.043	0.219	-0.071	767.698	767.211	768.149	767.741	767.43	768.078	767.901	767.590	768.238
530+540.00	160	459,499.122	6,504,738.202	-6.00%	6.00%	-5.2	5.655	0.044	0.212	-0.073	768.852	768.372	769.305	768.896	768.584	769.232	769.056	768.744	769.392
530+560.00	160	459,479.128	6,504,738.528	-6.00%	6.00%	-5.2	6.364	0.043	0.213	-0.050	770.059	769.578	770.532	770.102	769.791	770.482	770.262	769.951	770.642
530+580.00	160	459,459.156	6,504,737.543	-6.00%	6.00%	-5.2	6.557	0.044	0.226	-0.059	771.276	770.783	771.770	771.320	771.009	771.711	771.480	771.169	771.871
530+600.00	160	459,439.291	6,504,735.252	-6.00%	6.00%	-5.2	5.2	0.044	0.254	-0.031	772.564	772.043	772.952	772.608	772.297	772.921	772.768	772.457	773.081
530+620.00	160	459,419.619	6,504,731.664	-6.00%	6.00%	-5.2	5.2	0.044	0.301	-0.005	773.910	773.341	774.271	773.954	773.642	774.266	774.114	773.802	774.426
530+640.00	160	459,400.225	6,504,726.794	-6.00%	6.00%	-5.2	5.2	0.025	0.241	-0.037	775.252	774.724	775.626	775.277	774.965	775.589	775.437	775.125	775.749
530+660.00	160	459,381.191	6,504,720.665	-6.00%	6.00%	-5.2	5.2	0.020	0.245	-0.025	776.634	776.097	776.991	776.654	776.342	776.966	776.814	776.502	777.126
530+680.00	160	459,362.600	6,504,713.301	-6.00%	6.00%	-5.2	5.2	0.000	0.246	-0.037	778.051	777.493	778.400	778.051	777.739	778.363	778.211	777.899	778.523
530+700.00	160	459,344.531	6,504,704.734	-6.00%	6.00%	-5.2	5.2	0.015	0.223	-0.057	779.469	778.949	779.853	779.484	779.172	779.796	779.644	779.332	779.956
530+720.00	160	459,327.063	6,504,695.003	-6.00%	6.00%	-5.2	5.2	0.014	0.176	-0.038	780.925	780.451	781.289	780.939	780.627	781.251	781.099	780.787	781.411
530+740.00	160	459,310.269	6,504,684.147	-6.00%	6.00%	-5.2	5.2	-0.011	0.178	-0.026	782.383	781.882	782.710	782.372	782.06	782.684	782.532	782.220	782.844
530+760.00	160	459,294.223	6,504,672.215	-6.00%	6.00%	-5.2	5.2	-0.032	0.163	-0.023	783.857	783.351	784.161	783.825	783.514	784.138	783.985	783.674	784.298
530+780.00	160	459,278.994	6,504,659.256	-6.00%	6.00%	-5.2	5.2	-0.031	0.161	-0.016	785.292	784.789	785.590	785.261	784.95	785.574	785.421	785.110	785.734
530+797.69	160	459,266.259	6,504,646.986	-6.00%	6.00%	-5.2	5.2	-0.024	0.064	-0.012	786.553	786.163	786.832	786.529	786.227	786.82	786.689	786.387	786.98
530+800.00	160	459,264.646	6,504,645.328	-5.80%	5.80%	-5.2	5.2	-0.030	0.054	-0.002	786.723	786.339	786.995	786.693	786.393	786.993	786.853	786.553	787.153

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
530+820.00	160	459,251.167	6,504,630.556	-3.70%	3.70%	-5.2	5.2	0.010	0.148	-0.015	788.201	787.870	788.419	788.211	788.018	788.404	788.371	788.178	788.564
530+836.63	160	459,240.440	6,504,617.843	-2.00%	2.00%	-5.2	5.2	0.004	0.216	-0.031	789.422	789.101	789.565	789.426	789.317	789.534	789.586	789.477	789.694
530+840.00	160	459,238.305	6,504,615.240	-2.00%	2.00%	-5.2	5.2	-0.015	0.201	-0.035	789.669	789.349	789.793	789.654	789.55	789.758	789.814	789.710	789.918
530+857.69	160	459,227.191	6,504,601.482	-2.00%	2.00%	-5.2	5.2	-0.015	0.128	0.026	790.910	790.663	790.964	790.895	790.791	790.99	791.055	790.951	791.15
530+860.00	160	459,225.742	6,504,599.679	-2.00%	1.80%	-5.2	5.2	-0.015	0.122	0.035	791.072	790.831	791.115	791.057	790.953	791.15	791.217	791.113	791.31
530+880.00	160	459,213.219	6,504,584.085	-2.00%	-0.10%	-5.2	5.2	0.020	0.147	-0.005	792.453	792.222	792.472	792.473	792.369	792.467	792.633	792.529	792.627
530+899.79	160	459,200.825	6,504,568.653	-2.00%	-2.00%	-5.2	5.2	0.029	0.137	-0.057	793.810	793.598	793.793	793.839	793.735	793.736	793.999	793.895	793.896
530+900.00	160	459,200.695	6,504,568.492	-2.00%	-2.00%	-5.2	5.2	0.030	0.137	-0.057	793.824	793.613	793.807	793.854	793.75	793.75	794.014	793.910	793.91
530+920.00	160	459,188.171	6,504,552.898	-2.00%	-2.00%	-5.2	5.2	0.045	0.106	-0.057	795.163	794.998	795.161	795.208	795.104	795.104	795.368	795.264	795.264
530+940.00	160	459,175.647	6,504,537.305	-2.00%	-2.00%	-5.2	8.117	0.045	0.148	-0.041	796.539	796.332	796.462	796.584	796.48	796.421	796.744	796.640	796.581
530+960.00	160	459,163.064	6,504,521.759	-2.00%	-2.00%	-5.2	6.916	0.020	0.066	0.030	797.807	797.657	797.659	797.827	797.723	797.689	797.987	797.883	797.849
530+980.00	160	459,150.473	6,504,506.220	-2.00%	-2.00%	-5.2	5.702	-0.005	0.004	0.022	799.063	798.950	798.922	799.058	798.954	798.944	799.218	799.114	799.104
531+000.00	160	459,137.882	6,504,490.681	-2.00%	-2.00%	-5.2	5.65	-0.010	0.014	0.071	800.314	800.186	800.121	800.304	800.2	800.192	800.464	800.360	800.352
531+019.33	160	459,125.712	6,504,475.662	-2.00%	-2.00%	-5.2	5.65	-0.024	-0.017	0.140	801.490	801.380	801.214	801.466	801.363	801.354	801.626	801.523	801.514
531+020.00	160	459,125.291	6,504,475.142	-1.90%	-2.00%	-5.2	5.65	-0.030	-0.021	0.134	801.530	801.421	801.254	801.500	801.4	801.388	801.660	801.560	801.548
531+038.20	160	459,113.834	6,504,461.002	0.00%	-2.00%	-5.2	5.65	-0.040	0.034	0.074	802.589	802.515	802.363	802.549	802.549	802.437	802.709	802.709	802.597
531+040.00	160	459,112.700	6,504,459.603	0.20%	-2.00%	-5.2	5.65	-0.045	0.038	0.071	802.695	802.622	802.467	802.650	802.66	802.538	802.810	802.820	802.698
531+057.07	160	459,101.909	6,504,446.380	2.00%	-2.00%	-5.2	5.65	-0.045	0.070	0.079	803.676	803.661	803.428	803.631	803.731	803.507	803.791	803.891	803.667
531+060.00	160	459,100.038	6,504,444.122	2.30%	-2.30%	-5.2	5.65	-0.045	0.081	0.078	803.847	803.842	803.595	803.802	803.923	803.673	803.962	804.083	803.833
531+080.00	160	459,087.019	6,504,428.940	4.40%	-4.40%	-5.2	5.65	-0.030	0.132	0.024	804.975	805.043	804.673	804.945	805.175	804.697	805.105	805.335	804.857
531+088.20	160	459,081.507	6,504,422.871	5.30%	-5.30%	-5.2	5.65	-0.025	0.107	-0.001	805.407	805.535	805.095	805.382	805.642	805.094	805.542	805.802	805.254
531+100.00	160	459,073.349	6,504,414.345	5.30%	-5.30%	-5.2	5.65	-0.030	0.106	0.049	806.056	806.196	805.680	806.026	806.302	805.729	806.186	806.462	805.889
531+120.00	160	459,058.923	6,504,400.496	5.30%	-5.30%	-5.2	5.65	-0.035	0.087	0.131	807.143	807.297	806.680	807.108	807.384	806.811	807.268	807.544	806.971
531+140.00	160	459,043.779	6,504,387.435	5.30%	-5.30%	-5.2	5.65	-0.035	0.059	0.033	808.226	808.408	807.861	808.191	808.467	807.894	808.351	808.627	808.054
531+160.00	160	459,027.961	6,504,375.200	5.30%	-5.30%	-5.2	5.65	-0.035	0.041	0.019	809.295	809.495	808.945	809.260	809.536	808.964	809.420	809.696	809.124
531+180.00	160	459,011.513	6,504,363.826	5.30%	-5.30%	-5.2	5.65	-0.040	0.032	0.031	810.371	810.575	810.003	810.331	810.607	810.034	810.491	810.767	810.194
531+200.00	160	458,994.482	6,504,353.345	5.30%	-5.30%	-5.2	5.6545	-0.041	0.033	0.046	811.455	811.657	811.069	811.414	811.69	811.115	811.574	811.850	811.275
531+220.00	160	458,976.917	6,504,343.787	5.30%	-5.30%	-5.2	7.276	-0.040	0.050	0.024	812.520	812.705	812.070	812.480	812.755	812.094	812.640	812.915	812.254
531+223.61	160	458,973.693	6,504,342.162	5.30%	-5.30%	-5.2	7.457	-0.040	0.045	0.020	812.710	812.888	812.267	812.670	812.933	812.287	812.830	813.093	812.447
531+240.00	160	458,958.883	6,504,335.143	3.60%	-3.60%	-5.2	5.2	-0.040	0.018	0.059	813.584	813.711	813.300	813.544	813.729	813.359	813.704	813.889	813.519
531+254.74	160	458,945.388	6,504,329.209	2.00%	-2.00%	-5.2	5.2	-0.041	-0.007	0.131	814.368	814.448	814.078	814.327	814.441	814.209	814.487	814.601	814.369
531+260.00	160	458,940.550	6,504,327.150	2.00%	-2.00%	-5.2	5.2	-0.040	-0.013	0.132	814.644	814.721	814.368	814.604	814.708	814.5	814.764	814.868	814.66
531+273.61	160	458,927.999	6,504,321.887	2.00%	-2.00%	-5.2	5.2	-0.020	0.028	0.140	815.380	815.427	815.116	815.360	815.455	815.256	815.520	815.615	815.416
531+280.00	160	458,922.102	6,504,319.426	1.30%	-2.00%	-5.2	5.2	0.005	0.033	0.151	815.705	815.746	815.455	815.710	815.779	815.606	815.870	815.939	815.766
531+300.00	160	458,903.645	6,504,311.723	-0.80%	-2.00%	-5.2	5.2	0.030	-0.039	0.132	816.703	816.730	816.497	816.733	816.691	816.629	816.893	816.851	816.789
531+311.35	160	458,893.175	6,504,307.352	-2.00%	-2.00%	-5.2	5.2	0.016	-0.050	0.089	817.246	817.235	817.069	817.262	817.185	817.158	817.422	817.345	817.318
531+320.00	160	458,885.188	6,504,304.019	-2.00%	-2.00%	-5.2	5.2	0.015	-0.055	0.072	817.650	817.616	817.489	817.665	817.561	817.561	817.825	817.721	817.721
531+340.00	160	458,866.731	6,504,296.316	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.035	0.045	818.561	818.482	818.402	818.551	818.447	818.447	818.711	818.607	818.607
531+360.00	160	458,848.274	6,504,288.613	-2.00%	-2.00%	-5.2	5.2	0.005	-0.024	0.072	819.404	819.329	819.233	819.409	819.305	819.305	819.569	819.465	819.465
531+380.00	160	458,829.817	6,504,280.909	-2.00%	-2.00%	-5.2	5.2	0.015	-0.060	0.086	820.112	820.083	819.937	820.127	820.023	820.023	820.287	820.183	820.183
531+400.00	160	458,811.361	6,504,273.206	-2.00%	-2.00%	-5.2	5.2	0.015	-0.007	0.070	820.790	820.708	820.631	820.805	820.701	820.701	820.965	820.861	820.861
531+420.00	160	458,792.904	6,504,265.503	-2.00%	-2.00%	-5.166	5.2	-0.010	0.029	0.078	821.478	821.335	821.286	821.468	821.364	821.364	821.628	821.524	821.524
531+440.00	160	458,774.447	6,504,257.799	-2.00%	-2.00%	-5	5.2	-0.025	0.011	0.082	822.074	821.938	821.863	822.049	821.949	821.945	822.209	822.109	822.105
531+460.00	160	458,755.990	6,504,250.096	-2.00%	-2.00%	-5	5.2	-0.025	-0.011	0.091	822.569	822.455	822.349	822.544	822.444	822.44	822.704	822.604	822.6
531+480.00	160	458,737.533	6,504,242.393	-2.00%	-2.00%	-5.06	5.2	-0.025	-0.021	0.087	823.035	822.930	822.819	823.010	822.909	822.906	823.170	823.069	823.066
531+487.64	160	458,730.486	6,504,239.452	-2.00%	-2.00%	-5.083	5.2	-0.022	-0.022	0.101	823.211	823.110	822.994	823.189	823.088	823.095	823.349	823.248	823.255
531+500.00	160	458,719.076	6,504,234.689	-2.00%	-1.50%	-5.12	5.2	-0.010	-0.023	0.143	823.489	823.400	823.258	823.479	823.377	823.401	823.639	823.537	823.561
531+520.00	160	458,700.619	6,504,226.986	-2.00%	-0.70%	-5.18	5.2	0.000	-0.035	0.185	823.948	823.879	823.726	823.948	823.844	823.911	824.108	824.004	824.071
531+537.64	160	458,684.343	6,504,220.193	-2.00%	0.00%	-5	5.2	0.007	-0.022	0.219	824.402	824.331	824.190	824.409	824.309	824.409	824.569	824.469	824.569
531+540.00	160	458,682.162	6,504,219.283	-2.00%	0.10%	-5	5.2	0.000	-0.025	0.216	824.470	824.395	824.259	824.470	824.37	824.475	824.630	824.530	824.635
531+560.00	160	458,663.712	6,504,211.562	-2.00%	0.90%	-5.316	5.2	-0.010	-0.039	0.237	825.078	824.964	824.878	825.068	824.925	825.115	825.228	825.085	825.275
531+580.00	160	458,645.298	6,504,203.758	-2.00%	1.70%	-5.2	5.2	-0.025	-0.012	0.238	825.781	825.664	825.606	825.756	825.652	825.844	825.916	825.812	826.004
531+587.64	160	458,638.283	6,504,200.741	-2.00%	2.00%	-5.2	5.2	-0.026	-0.013	0.221	826.063	825.946	825.915	826.037	825.933	826.136	826.197	826.093	826.296
531+600.00	160	458,626.949	6,504,195.800	-2.00%	2.00%	-5.2	5.2	-0.025	-0.013	0.196	826.531	826.415	826.414	826.506	826.402	826.61	826.666	826.562	826.77
531+620.00	160	458,608.682	6,504,187.657	-2.00%	2.00%	-5.2	5.2	-0.030	0.014	0.171	827.347	827.199	827.250	827.317	827.213	827.421	827.477	827.373	827.581
531+640.00	160	458,590.498	6,504,179.331	-2.00%	2.00%	-5.2	5.2	-0.045	0.033	0.144	828.270	828.088	828.185	828.225	828.121	828.329	828.385	828.281	828.489
531+660.00	160	458,572.399	6,504,170.821	-2.00%	2.00%	-5.2	5.2	-0.045	0.050	0.101	829.258	829.059	829.216	829.213	829.109	829.317	829.373	829.269	829.477
531+680.00	160	458,554.386	6,504,162.129	-2.00%	2.00%	-5.2	5.2	-0.055	0.084	0.063	830.348	830.105	830.334	830.293	830.189	830.397	830.453	830.349	830.557
531+700.00	160	458,536.463	6,504,153.255	-2.00%	2.00%	-5.2	5.2	-0.055	0.073	-0.002	831.490	831.258	831.541	831.435	831.331	831.539	831.595	831.491	831.699
531+720.00	160	458,518.630	6,504,144.200	-2.00%	2.00%	-5.2	5.2	-0.035	0.136	0.010	832.694	832.419	832.753	832.659	832.555	832.763	832.819	832.715	832.923
531+740.00	160	458,500.889	6,504,134.966	-2.00%	2.00%	-5.2	5.2	-0.035	0.081	0.029	833.941	833.721	833.981	833.906	833.802	834.01	834.066	833.962	834.17
531+755.70	160	458,487.025	6,504,127.591	-2.00%	2.00%	-5.2	5.2	-0.037	0.015	0.057	834.946	834.797	834.947	834.909	834.812	835.004	835.069	834.972	835.164

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
531+760.00	160	458,483.243	6,504,125.554	-1.80%	1.80%	-5.2	5.2	-0.035	0.010	0.071	835.218	835.081	835.204	835.183	835.091	835.275	835.343	835.251	835.435
531+780.00	160	458,465.681	6,504,115.984	-0.70%	0.70%	-5.2	5.2	-0.035	0.026	0.087	836.461	836.363	836.376	836.426	836.389	836.463	836.586	836.549	836.623
531+800.00	160	458,448.169	6,504,106.324	0.40%	-0.40%	-5.2	5.2	-0.035	0.032	0.079	837.676	837.628	837.543	837.641	837.66	837.622	837.801	837.820	837.782
531+820.00	160	458,430.670	6,504,096.639	1.40%	-1.40%	-5.2	5.2	-0.045	0.063	0.093	838.910	838.876	838.698	838.865	838.939	838.791	839.025	839.099	838.951
531+840.00	160	458,413.142	6,504,087.007	2.50%	-2.50%	-5.2	5.2	-0.050	0.057	0.085	840.081	840.103	839.816	840.031	840.16	839.901	840.191	840.320	840.061
531+860.00	160	458,395.490	6,504,077.605	3.60%	-3.60%	-5.2	5.2	-0.050	0.065	0.065	841.251	841.321	840.951	841.201	841.386	841.016	841.361	841.546	841.176
531+866.42	160	458,389.781	6,504,074.668	3.90%	-3.90%	-5.2	5.2	-0.050	0.054	0.052	841.622	841.715	841.321	841.572	841.769	841.373	841.732	841.929	841.533
531+880.00	160	458,377.621	6,504,068.623	3.90%	-3.90%	-5.2	5.2	-0.055	0.048	0.101	842.426	842.526	842.067	842.371	842.574	842.168	842.531	842.734	842.328
531+900.00	160	458,359.510	6,504,060.140	3.90%	-3.90%	-5.2	5.2	-0.050	0.053	0.080	843.624	843.723	843.291	843.574	843.776	843.371	843.734	843.936	843.531
531+920.00	160	458,341.171	6,504,052.163	3.90%	-3.90%	-5.2	5.2	-0.045	0.096	0.101	844.816	844.878	844.467	844.771	844.974	844.568	844.931	845.134	844.728
531+940.00	160	458,322.617	6,504,044.698	3.90%	-3.90%	-5.2	5.2	-0.045	0.078	0.092	845.930	846.010	845.590	845.885	846.088	845.682	846.045	846.248	845.842
531+960.00	160	458,303.862	6,504,037.752	3.90%	-3.90%	-7.661	5.2	-0.045	0.048	0.079	846.986	847.192	846.659	846.941	847.24	846.738	847.101	847.400	846.898
531+980.00	160	458,284.922	6,504,031.329	3.90%	-3.90%	-5.78	5.2	-0.045	-0.049	0.066	848.083	848.312	847.769	848.038	848.263	847.835	848.198	848.423	847.995
532+000.00	160	458,265.811	6,504,025.435	3.90%	-3.90%	-5.65	5.2	-0.045	-0.045	0.069	849.227	849.446	848.911	849.182	849.401	848.98	849.342	849.561	849.14
532+020.00	160	458,246.544	6,504,020.074	3.90%	-3.90%	-5.65	5.2	-0.035	-0.040	0.068	850.371	850.594	850.065	850.336	850.554	850.133	850.496	850.714	850.293
532+040.00	160	458,227.135	6,504,015.250	3.90%	-3.90%	-5.65	5.2	-0.025	0.003	0.091	851.540	851.731	851.222	851.515	851.734	851.313	851.675	851.894	851.473
532+045.71	160	458,221.573	6,504,013.972	3.90%	-3.90%	-5.65	5.2	-0.014	-0.010	0.117	851.877	852.074	851.553	851.863	852.064	851.67	852.023	852.224	851.83
532+060.00	160	458,207.602	6,504,010.954	2.80%	-2.80%	-5.65	5.2	0.010	-0.062	0.206	852.725	852.953	852.385	852.735	852.891	852.591	852.895	853.051	852.751
532+070.07	160	458,197.738	6,504,008.951	2.00%	-2.00%	-5.65	5.2	0.010	-0.069	0.286	853.324	853.516	852.944	853.334	853.447	853.23	853.494	853.607	853.39
532+080.00	160	458,187.988	6,504,007.045	2.00%	-2.00%	-5.65	5.2	0.010	-0.054	0.322	853.917	854.093	853.501	853.927	854.039	853.823	854.087	854.199	853.983
532+095.71	160	458,172.559	6,504,004.106	2.00%	-2.00%	-5.65	5.2	-0.016	0.012	0.190	854.854	854.927	854.544	854.838	854.939	854.734	854.998	855.099	854.894
532+100.00	160	458,168.341	6,504,003.308	1.70%	-2.00%	-5.65	5.2	-0.015	0.015	0.160	855.110	855.173	854.831	855.095	855.188	854.991	855.255	855.348	855.151
532+120.00	160	458,148.689	6,503,999.588	0.10%	-2.00%	-5.65	5.2	-0.020	-0.033	0.074	856.352	856.371	856.154	856.332	856.338	856.228	856.492	856.498	856.388
532+140.00	160	458,129.038	6,503,995.868	-1.50%	-2.00%	-5.65	5.2	-0.015	-0.052	0.072	857.637	857.592	857.446	857.622	857.54	857.518	857.782	857.700	857.678
532+146.99	160	458,122.171	6,503,994.569	-2.00%	-2.00%	-5.65	5.2	-0.005	-0.067	0.073	858.088	858.057	857.906	858.083	857.99	857.979	858.243	858.150	858.139
532+160.00	160	458,109.387	6,503,992.149	-2.00%	-2.00%	-5.65	5.2	0.010	-0.061	0.070	858.930	858.889	858.766	858.940	858.828	858.836	859.100	858.988	858.996
532+180.00	160	458,089.736	6,503,988.429	-2.00%	-2.00%	-5.65	5.2	-0.015	-0.067	0.018	860.231	860.171	860.094	860.216	860.104	860.112	860.376	860.264	860.272
532+200.00	160	458,070.085	6,503,984.710	-2.00%	-2.00%	-5.65	5.2	-0.015	-0.015	-0.018	861.563	861.451	861.462	861.548	861.436	861.444	861.708	861.596	861.604
532+220.00	160	458,050.434	6,503,980.990	-2.00%	-2.00%	-5.65	5.2	0.010	0.107	-0.057	862.882	862.673	862.845	862.892	862.78	862.788	863.052	862.940	862.948
532+240.00	160	458,030.783	6,503,977.271	-2.00%	-2.00%	-5.65	5.2	-0.015	0.175	0.037	864.172	863.870	864.016	864.157	864.045	864.053	864.317	864.205	864.213
532+256.46	160	458,014.609	6,503,974.209	-2.00%	-2.00%	-5.65	5.2	-0.018	0.231	-0.005	865.271	864.910	865.168	865.253	865.141	865.163	865.413	865.301	865.323
532+260.00	160	458,011.132	6,503,973.551	-2.00%	-1.50%	-5.65	5.2	-0.020	0.236	-0.017	865.510	865.142	865.427	865.490	865.378	865.41	865.650	865.538	865.57
532+280.00	160	457,991.481	6,503,969.831	-2.00%	1.10%	-5.65	5.2	-0.030	0.047	-0.041	866.983	866.794	867.049	866.953	866.841	867.008	867.113	867.001	867.168
532+287.23	160	457,984.378	6,503,968.487	-2.00%	2.00%	-5.65	5.2	-0.027	0.189	-0.024	867.532	867.204	867.619	867.505	867.393	867.595	867.665	867.553	867.755
532+300.00	160	457,971.837	6,503,966.072	-2.00%	2.00%	-5.65	5.2	-0.030	0.142	-0.060	868.518	868.234	868.652	868.488	868.376	868.592	868.648	868.536	868.752
532+302.61	160	457,969.275	6,503,965.556	-2.00%	2.00%	-5.65	5.2	-0.030	0.122	-0.061	868.719	868.442	868.860	868.689	868.564	868.799	868.849	868.724	868.959
532+320.00	160	457,952.318	6,503,961.725	-4.30%	4.30%	-5.65	5.2	-0.025	0.063	-0.014	870.023	869.696	870.233	869.998	869.759	870.219	870.158	869.919	870.379
532+327.23	160	457,945.340	6,503,959.836	-5.20%	5.20%	-5.65	5.2	-0.029	0.065	-0.012	870.553	870.175	870.797	870.524	870.24	870.785	870.684	870.400	870.945
532+340.00	160	457,933.179	6,503,955.943	-5.20%	5.20%	-5.65	5.2	-0.035	0.155	-0.046	871.500	871.019	871.782	871.465	871.174	871.736	871.625	871.334	871.896
532+360.00	160	457,914.657	6,503,948.416	-5.20%	5.20%	-5.65	5.2	-0.025	0.126	-0.033	872.983	872.540	873.261	872.958	872.666	873.228	873.118	872.826	873.388
532+380.00	160	457,896.915	6,503,939.201	-5.20%	5.20%	-5.65	5.2	-0.041	0.127	-0.048	874.487	874.028	874.765	874.446	874.155	874.717	874.606	874.315	874.877
532+400.00	160	457,880.105	6,503,928.378	-5.20%	5.20%	-5.65	5.2	-0.040	0.166	-0.052	876.010	875.513	876.292	875.970	875.679	876.24	876.130	875.839	876.4
532+420.00	160	457,864.373	6,503,916.040	-5.20%	5.20%	-5.65	5.2	0.005	0.140	-0.063	877.436	877.010	877.775	877.441	877.15	877.712	877.601	877.310	877.872
532+440.00	160	457,849.856	6,503,902.295	-5.20%	5.20%	-5.65	5.2	-0.010	0.171	-0.014	878.830	878.357	879.104	878.820	878.528	879.09	878.980	878.688	879.25
532+441.67	160	457,848.705	6,503,901.090	-5.20%	5.20%	-5.65	5.2	-0.012	0.178	-0.026	878.946	878.474	879.209	878.934	878.652	879.183	879.094	878.812	879.343
532+460.00	160	457,836.586	6,503,887.337	-2.80%	2.80%	-5.65	5.2	-0.020	0.164	-0.048	880.275	879.933	880.449	880.255	880.097	880.401	880.415	880.257	880.561
532+466.28	160	457,832.609	6,503,882.474	-2.00%	2.00%	-5.65	5.2	-0.010	0.170	-0.025	880.751	880.441	880.862	880.741	880.611	880.837	880.901	880.771	880.997
532+480.00	160	457,824.084	6,503,871.726	-2.00%	0.20%	-5.65	5.2	0.020	0.097	-0.019	881.837	881.648	881.887	881.857	881.745	881.868	882.017	881.905	882.028
532+481.67	160	457,823.056	6,503,870.416	-2.00%	0.00%	-5.65	5.2	0.019	0.094	-0.021	881.971	881.784	882.013	881.990	881.878	881.992	882.150	882.038	882.152
532+497.05	160	457,813.557	6,503,858.313	-2.00%	-2.00%	-5.65	5.2	0.035	0.063	0.006	883.187	883.047	883.129	883.222	883.11	883.135	883.382	883.270	883.295
532+500.00	160	457,811.737	6,503,855.993	-2.00%	-2.00%	-5.65	5.2	0.045	0.069	0.024	883.413	883.277	883.330	883.458	883.346	883.354	883.618	883.506	883.514
532+520.00	160	457,799.389	6,503,840.260	-2.00%	-2.00%	-5.65	5.2	0.000	0.014	0.078	884.916	884.790	884.734	884.916	884.804	884.812	885.076	884.964	884.972
532+532.96	160	457,791.387	6,503,830.064	-2.00%	-2.00%	-5.65	5.2	0.015	-0.067	0.107	885.858	885.848	885.662	885.873	885.781	885.769	886.033	885.941	885.929
532+540.00	160	457,787.041	6,503,824.527	-1.20%	-2.00%	-5.65	5.2	0.030	-0.067	0.146	886.375	886.404	886.155	886.405	886.337	886.301	886.565	886.497	886.461
532+550.82	160	457,780.362	6,503,816.017	0.00%	-2.00%	-5.65	5.2	0.022	-0.036	0.167	887.169	887.226	886.920	887.191	887.19	887.087	887.351	887.350	887.247
532+560.00	160	457,774.682	6,503,808.803	1.00%	-2.00%	-5.65	5.2	0.000	0.016	0.137	887.802	887.843	887.561	887.802	887.859	887.698	887.962	888.019	887.858
532+568.68	160	457,769.251	6,503,802.038	2.00%	-2.00%	-5.65	5.2	-0.001	-0.022	0.112	888.386	888.516	888.162	888.385	888.494	888.274	888.545	888.654	888.434
532+580.00	160	457,761.971	6,503,793.363	3.40%	-3.40%	-5.65	5.2	-0.030	0.016	0.021	889.184	889.329	888.956	889.154	889.345	888.977	889.314	889.505	889.137
532+600.00	160	457,748.247	6,503,778.825	5.90%	-5.90%	-5.65	5.2	-0.030	0.133	-0.037	890.662	890.829	890.362	890.632	890.962	890.325	890.792	891.122	890.485
532+600.82	160	457,747.655	6,503,778.260	6.00%	-6.00%	-5.65	5.2	-0.044	0.107	-0.049	890.727	890.898	890.425	890.683	891.005	890.376	890.843	891.165	890.536
532+620.00	160	457,733.045	6,503,765.847	6.00%	-6.00%	-5.65	5.2	-0.047	0.077	-0.026	892.269	892.482	891.937	892.222	892.559	891.911	892.382	892.719	892.071
532+640.00	160	457,716.439	6,503,754.719	6.00%	-6.00%	-5.65	5.2	0.004	-0.019	0.105	893.924	894.283	893.511	893.928	894.264	893.616	894.088	894.424	893.776

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
532+660.00	160	457,698.655	6,503,745.594	6.00%	-6.00%	-5.65	5.2	0.028	-0.060	0.210	895.461	895.886	894.968	895.489	895.826	895.178	895.649	895.986	895.338
532+680.00	160	457,679.932	6,503,738.594	6.00%	-6.00%	-5.885	5.2	0.004	-0.029	0.186	896.966	897.353	896.472	896.970	897.324	896.658	897.130	897.484	896.818
532+700.00	160	457,660.524	6,503,733.812	6.00%	-6.00%	-5.815	5.2	0.003	0.067	0.212	898.491	898.777	897.971	898.494	898.844	898.183	898.654	899.004	898.343
532+720.00	160	457,640.692	6,503,731.315	6.00%	-6.00%	-5.2	5.2	-0.048	0.037	0.171	899.998	900.226	899.468	899.950	900.263	899.639	900.110	900.423	899.799
532+740.00	160	457,620.704	6,503,731.136	6.00%	-6.00%	-5.2	5.2	-0.046	0.045	0.164	901.507	901.729	900.986	901.461	901.774	901.15	901.621	901.934	901.31
532+760.00	160	457,600.830	6,503,733.277	6.00%	-6.00%	-5.2	5.2	-0.052	0.042	0.108	902.989	903.208	902.518	902.937	903.25	902.626	903.097	903.410	902.786
532+780.00	160	457,581.339	6,503,737.709	6.00%	-6.00%	-5.2	5.2	-0.051	0.047	0.095	904.456	904.671	903.999	904.405	904.718	904.094	904.565	904.878	904.254
532+800.00	160	457,562.493	6,503,744.372	6.00%	-6.00%	-5.2	5.2	-0.052	0.073	0.089	905.875	906.063	905.423	905.823	906.136	905.512	905.983	906.296	905.672
532+820.00	160	457,544.548	6,503,753.177	6.00%	-6.00%	-5.2	5.2	-0.057	0.037	0.071	907.253	907.472	906.814	907.196	907.509	906.885	907.356	907.669	907.045
532+840.00	160	457,527.746	6,503,764.004	6.00%	-6.00%	-5.2	5.2	-0.051	-0.015	0.079	908.591	908.868	908.150	908.540	908.853	908.229	908.700	909.013	908.389
532+860.00	160	457,512.313	6,503,776.708	6.00%	-6.00%	-5.2	5.2	-0.048	0.015	0.094	909.902	910.153	909.450	909.854	910.168	909.544	910.014	910.328	909.704
532+880.00	160	457,498.459	6,503,791.116	6.00%	-6.00%	-5.2	5.2	-0.051	0.027	0.092	911.162	911.397	910.708	911.111	911.424	910.8	911.271	911.584	910.96
532+900.00	160	457,486.369	6,503,807.035	6.00%	-6.00%	-5.2	5.2	-0.043	0.007	0.164	912.402	912.665	911.884	912.359	912.672	912.048	912.519	912.832	912.208
532+920.00	160	457,476.208	6,503,824.248	6.00%	-6.00%	-5.2	5.2	-0.033	-0.040	0.235	913.601	913.921	913.022	913.568	913.881	913.257	913.728	914.041	913.417
532+940.00	160	457,468.113	6,503,842.524	6.00%	-6.00%	-5.2	5.2	-0.027	0.014	0.247	914.736	915.008	914.151	914.709	915.022	914.398	914.869	915.182	914.558
532+957.82	160	457,462.729	6,503,859.502	6.00%	-6.00%	-5.2	5.2	-0.002	0.028	0.260	915.707	915.975	915.140	915.705	916.003	915.4	915.865	916.163	915.56
532+960.00	160	457,462.192	6,503,861.616	5.70%	-5.70%	-5.2	5.2	0.020	0.044	0.286	915.814	916.088	915.250	915.834	916.132	915.536	915.994	916.292	915.696
532+980.00	160	457,458.318	6,503,881.231	3.20%	-3.20%	-5.2	5.2	0.040	-0.030	0.351	916.902	917.141	916.423	916.942	917.111	916.774	917.102	917.271	916.934
532+989.96	160	457,456.921	6,503,891.094	2.00%	-2.00%	-5.2	5.2	0.040	-0.066	0.396	917.436	917.646	916.976	917.476	917.58	917.372	917.636	917.740	917.532
533+000.00	160	457,455.720	6,503,901.060	2.00%	-2.00%	-5.2	5.2	0.040	-0.026	0.371	917.960	918.130	917.525	918.000	918.104	917.896	918.160	918.264	918.056
533+007.82	160	457,454.853	6,503,908.830	2.00%	-2.00%	-5.2	5.2	0.032	-0.012	0.321	918.354	918.491	917.960	918.386	918.479	918.281	918.546	918.639	918.441
533+020.00	160	457,453.518	6,503,920.938	2.00%	-2.00%	-5.3	5.2	0.025	0.030	0.243	918.961	919.026	918.639	918.986	919.056	918.882	919.146	919.216	919.042
533+040.00	160	457,451.324	6,503,940.817	2.00%	-2.00%	-5.465	5.2	-0.050	0.063	0.159	919.911	919.902	919.598	919.861	919.965	919.757	920.021	920.125	919.917
533+060.00	160	457,449.131	6,503,960.697	2.00%	-2.00%	-5.6504	5.2	-0.050	0.037	0.035	920.833	920.850	920.644	920.783	920.887	920.679	920.943	921.047	920.839
533+080.00	160	457,446.938	6,503,980.576	-0.30%	-2.00%	-5.6524	5.2	0.025	-0.046	0.126	921.708	921.765	921.503	921.733	921.719	921.629	921.893	921.879	921.789
533+095.00	160	457,445.293	6,503,995.486	-2.00%	-2.00%	-5.6539	5.2	0.027	-0.079	0.136	922.271	922.295	922.058	922.298	922.216	922.194	922.458	922.376	922.354
533+100.00	160	457,444.744	6,504,000.455	-2.00%	-2.00%	-5.6544	5.2	0.025	-0.083	0.120	922.461	922.465	922.262	922.486	922.382	922.382	922.646	922.542	922.542
533+117.00	160	457,442.880	6,504,017.353	-2.00%	-2.00%	-5.6561	5.2	0.026	-0.043	0.072	923.122	923.087	922.984	923.148	923.044	923.056	923.308	923.204	923.216
533+120.00	160	457,442.551	6,504,020.335	-2.00%	-1.70%	-5.6564	5.2	0.015	-0.036	0.054	923.246	923.193	923.120	923.261	923.157	923.174	923.421	923.317	923.334
533+135.52	160	457,440.849	6,504,035.760	-2.00%	0.00%	-5.658	5.2	-0.022	-0.085	0.028	923.917	923.713	923.867	923.895	923.628	923.895	924.055	923.788	924.055
533+140.00	160	457,440.356	6,504,040.214	-2.00%	0.50%	-5.6583	5.199	-0.035	-0.091	0.009	924.129	923.914	924.110	924.094	923.823	924.119	924.254	923.983	924.279
533+154.04	160	457,438.739	6,504,054.157	-2.00%	2.00%	-5.6519	5.2	-0.060	-0.014	-0.011	924.836	924.542	924.884	924.776	924.528	924.873	924.936	924.688	925.033
533+160.00	160	457,437.981	6,504,060.072	-2.60%	2.60%	-5.6544	5.2	-0.060	-0.018	0.013	925.163	924.836	925.228	925.103	924.818	925.241	925.263	924.978	925.401
533+180.00	160	457,434.874	6,504,079.827	-4.80%	4.80%	-5.6569	5.2	-0.060	-0.048	0.053	926.284	925.873	926.421	926.224	925.825	926.474	926.384	925.985	926.634
533+185.52	160	457,433.809	6,504,085.242	-5.40%	5.40%	-5.65	5.2	-0.047	-0.010	0.033	926.595	926.171	926.764	926.548	926.161	926.797	926.708	926.321	926.957
533+200.00	160	457,430.486	6,504,099.335	-5.40%	5.40%	-5.65	5.2	-0.060	0.045	0.024	927.516	927.114	927.713	927.456	927.159	927.737	927.616	927.319	927.897
533+220.00	133	457,424.642	6,504,118.457	-5.40%	5.40%	-5.65	5.2	-0.055	0.033	0.004	928.827	928.436	929.050	928.773	928.4695	929.0535	928.905	928.602	929.186
533+240.00	105	457,417.372	6,504,137.084	-5.40%	5.40%	-5.65	5.2	-0.055	0.180	0.021	930.253	929.715	930.458	930.198	929.895	930.479	930.303	930.000	930.584
533+260.00	105	457,408.719	6,504,155.110	-5.40%	5.40%	-5.65	5.2	-0.055	0.116	0.025	931.788	931.315	931.989	931.733	931.431	932.014	931.838	931.536	932.119
533+280.00	105	457,398.731	6,504,172.432	-5.40%	5.40%	-5.65	5.2	-0.056	0.203	-0.018	933.400	932.839	933.643	933.344	933.042	933.625	933.449	933.147	933.73
533+300.00	105	457,387.466	6,504,188.952	-5.40%	5.40%	-5.65	5.2	-0.056	0.115	-0.010	935.029	934.556	935.264	934.973	934.671	935.254	935.078	934.776	935.359
533+320.00	105	457,374.987	6,504,204.575	-5.40%	5.40%	-5.65	5.2	-0.055	0.178	0.001	936.734	936.199	936.959	936.679	936.377	936.96	936.784	936.482	937.065
533+340.00	105	457,361.366	6,504,219.213	-5.40%	5.40%	-5.65	5.2	-0.055	-0.025	0.047	938.517	938.184	938.695	938.462	938.159	938.742	938.567	938.264	938.847
533+360.00	105	457,346.679	6,504,232.782	-5.40%	5.40%	-5.65	5.2	-0.005	0.089	0.032	940.307	939.911	940.551	940.302	940	940.583	940.407	940.105	940.688
533+365.34	105	457,342.585	6,504,236.218	-5.40%	5.40%	-5.65	5.2	-0.005	0.110	0.023	940.776	940.358	941.029	940.771	940.468	941.052	940.876	940.573	941.157
533+380.00	105	457,331.036	6,504,245.237	-3.80%	3.80%	-5.65	8.279	0.045	0.305	-0.039	942.011	941.537	942.411	942.056	941.842	942.372	942.161	941.947	942.477
533+396.83	105	457,317.361	6,504,255.039	-2.00%	2.00%	-5.65	6.84	0.045	0.315	-0.053	943.447	943.051	943.700	943.492	943.366	943.647	943.597	943.471	943.752
533+400.00	105	457,314.749	6,504,256.843	-2.00%	2.00%	-5.65	6.627	0.045	0.324	-0.070	943.717	943.326	943.964	943.762	943.65	943.894	943.867	943.755	943.999
533+415.34	105	457,302.055	6,504,265.464	-2.00%	2.00%	-5.65	5.723	0.032	0.221	-0.011	945.042	944.740	945.184	945.074	944.961	945.173	945.179	945.066	945.278
533+420.00	105	457,298.197	6,504,268.068	-2.00%	1.50%	-5.65	5.65	0.020	0.186	-0.005	945.446	945.168	945.554	945.466	945.354	945.549	945.571	945.459	945.654
533+440.00	105	457,281.618	6,504,279.256	-2.00%	-0.70%	-6.931	5.65	-0.010	0.215	-0.057	947.185	946.822	947.195	947.175	947.037	947.138	947.280	947.142	947.243
533+452.38	105	457,271.354	6,504,286.183	-2.00%	-2.00%	-7.776	5.65	-0.008	0.020	-0.094	948.225	948.028	948.226	948.217	948.048	948.132	948.322	948.153	948.237
533+459.92	105	457,265.108	6,504,290.398	-2.00%	-2.00%	-8.06	5.65	-0.010	0.099	-0.093	948.862	948.592	948.833	948.852	948.691	948.74	948.957	948.796	948.845
533+460.00	105	457,265.040	6,504,290.443	-2.00%	-2.00%	-8.042	5.65	-0.010	0.105	-0.093	948.869	948.594	948.840	948.859	948.699	948.747	948.964	948.804	948.852
533+478.10	105	457,250.037	6,504,300.568	0.00%	-2.00%	-5.2	5.65	-0.027	-0.014	0.030	950.431	950.417	950.262	950.404	950.403	950.292	950.509	950.508	950.397
533+480.00	105	457,248.462	6,504,301.631	0.20%	-2.00%	-5.2	5.65	-0.035	-0.020	0.043	950.596	950.592	950.406	950.561	950.572	950.449	950.666	950.677	950.554
533+496.28	105	457,235.012	6,504,310.806	2.00%	-2.00%	-5.2	5.65	-0.040	0.004	0.122	951.990	952.043	951.702	951.950	952.047	951.824	952.055	952.152	951.929
533+500.00	105	457,231.964	6,504,312.937	2.40%	-2.40%	-5.2	5.65	-0.040	0.010	0.102	952.306	952.382	952.029	952.266	952.392	952.131	952.371	952.497	952.236
533+520.00	105	457,215.883	6,504,324.824	4.60%	-4.60%	-5.2	5.65	-0.030	0.039	0.009	954.050	954.220	953.752	954.020	954.259	953.761	954.125	954.364	953.866
533+528.10	105	457,209.585	6,504,329.917	5.50%	-5.50%	-5.2	5.65	-0.018	0.065	-0.064	954.746	954.929	954.494	954.728	954.994	954.43	954.833	955.099	954.535
533+540.00	105	457,200.639	6,504,337.762	5.50%	-5.50%	-5.2	5.65	-0.016	0.068	-0.041	955.749	955.952	955.467	955.733	956.02	955.426	955.838	956.125	955.531
533+560.00	105	457,186.496	6,504,351.896	5.50%	-5.50%	-5.2	5.65	-0.031	0.036	0.042	957.371	957.591	956.991	957.340	957.627	957.033	957.445	957.732	957.138

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
533+580.00	105	457,173.553	6,504,367.136	5.50%	-5.50%	-5.2	5.65	-0.031	-0.025	-0.037	958.940	959.220	958.638	958.909	959.195	958.601	959.014	959.300	958.706
533+600.00	105	457,161.896	6,504,383.380	5.50%	-5.50%	-5.2	5.65	-0.031	0.003	-0.009	960.550	960.802	960.220	960.519	960.805	960.211	960.624	960.910	960.316
533+620.00	105	457,151.601	6,504,400.521	5.50%	-5.50%	-5.2	5.65	-0.031	0.025	0.118	962.062	962.293	961.606	962.031	962.318	961.724	962.136	962.423	961.829
533+640.00	105	457,142.739	6,504,418.444	5.50%	-5.50%	-5.2	5.65	-0.032	-0.020	0.017	963.485	963.760	963.129	963.453	963.74	963.146	963.558	963.845	963.251
533+660.00	105	457,135.368	6,504,437.030	5.50%	-5.50%	-5.2	5.65	-0.010	0.004	0.037	964.879	965.151	964.524	964.869	965.155	964.561	964.974	965.260	964.666
533+680.00	105	457,129.537	6,504,456.156	5.50%	-5.50%	-5.2	5.65	0.014	0.078	0.072	966.273	966.496	965.908	966.287	966.574	965.98	966.392	966.679	966.085
533+700.00	105	457,125.285	6,504,475.693	5.50%	-5.50%	-5.2	5.65	-0.036	0.033	-0.015	967.576	967.793	967.247	967.540	967.826	967.232	967.645	967.931	967.337
533+720.00	105	457,122.640	6,504,495.511	5.50%	-5.50%	-6.097	5.65	-0.026	0.097	0.049	968.828	969.041	968.445	968.802	969.138	968.494	968.907	969.243	968.599
533+740.00	105	457,121.620	6,504,515.480	5.50%	-5.50%	-6.376	6.615	-0.025	0.015	0.024	970.012	970.322	969.599	969.987	970.337	969.623	970.092	970.442	969.728
533+760.00	105	457,122.232	6,504,535.465	5.50%	-5.50%	-5.65	6.528	-0.026	-0.008	0.021	971.184	971.475	970.779	971.158	971.467	970.8	971.263	971.572	970.905
533+780.00	105	457,124.471	6,504,555.334	5.50%	-5.50%	-5.65	5.2	-0.026	0.020	0.024	972.268	972.530	971.932	972.242	972.55	971.956	972.347	972.655	972.061
533+799.86	105	457,128.292	6,504,574.821	5.50%	-5.50%	-5.65	5.2	-0.025	0.148	0.078	973.330	973.463	972.942	973.305	973.611	973.02	973.410	973.716	973.125
533+800.00	105	457,128.323	6,504,574.954	5.50%	-5.50%	-5.65	5.2	-0.025	0.150	0.077	973.337	973.469	972.950	973.312	973.619	973.027	973.417	973.724	973.132
533+820.00	105	457,133.656	6,504,594.226	3.30%	-3.30%	-5.65	5.2	-0.045	0.094	0.069	974.314	974.359	974.029	974.269	974.453	974.098	974.374	974.558	974.203
533+831.68	105	457,137.244	6,504,605.344	2.00%	-2.00%	-5.65	5.2	-0.030	0.064	0.087	974.881	974.896	974.652	974.851	974.96	974.739	974.956	975.065	974.844
533+840.00	105	457,139.922	6,504,613.218	1.10%	-2.00%	-5.65	5.2	-0.030	0.000	0.074	975.288	975.319	975.080	975.258	975.319	975.154	975.363	975.424	975.259
533+849.86	105	457,143.164	6,504,622.534	0.00%	-2.00%	-5.65	5.2	-0.020	0.049	0.049	975.749	975.679	975.576	975.729	975.728	975.625	975.834	975.833	975.73
533+860.00	105	457,146.508	6,504,632.103	-1.10%	-2.00%	-5.65	5.2	-0.005	0.005	0.035	976.219	976.146	976.075	976.214	976.151	976.11	976.319	976.256	976.215
533+868.05	105	457,149.162	6,504,639.698	-2.00%	-2.00%	-5.65	5.2	-0.002	0.049	0.026	976.566	976.433	976.434	976.564	976.482	976.46	976.669	976.587	976.565
533+880.00	105	457,153.105	6,504,650.983	-2.00%	-2.00%	-5.65	5.2	0.005	0.035	0.015	977.080	976.938	976.966	977.085	976.973	976.981	977.190	977.078	977.086
533+900.00	105	457,159.702	6,504,669.864	-2.00%	-2.00%	-5.65	5.2	0.030	0.146	-0.019	977.881	977.653	977.826	977.911	977.799	977.807	978.016	977.904	977.912
533+903.19	105	457,160.754	6,504,672.872	-2.00%	-2.00%	-5.65	5.2	0.030	0.157	-0.009	978.020	977.781	977.967	978.050	977.938	977.958	978.155	978.043	978.063
533+920.00	105	457,166.300	6,504,688.744	-2.00%	-0.20%	-5.65	5.2	0.005	0.126	0.057	978.743	978.510	978.683	978.748	978.636	978.74	978.853	978.741	978.845
533+939.55	105	457,172.749	6,504,707.201	-2.00%	2.00%	-5.65	5.2	-0.020	0.126	0.035	979.497	979.239	979.544	979.477	979.365	979.579	979.582	979.470	979.684
533+940.00	105	457,172.897	6,504,707.625	-2.00%	2.00%	-5.65	5.2	-0.020	0.126	0.035	979.514	979.256	979.563	979.494	979.382	979.598	979.599	979.487	979.703
533+957.73	105	457,178.671	6,504,724.391	-2.00%	2.00%	-5.65	5.2	-0.005	0.225	-0.015	980.168	979.816	980.288	980.163	980.041	980.273	980.268	980.146	980.378
533+960.00	105	457,179.387	6,504,726.542	-2.20%	2.20%	-5.65	5.2	0.000	0.240	-0.016	980.248	979.882	980.381	980.248	980.122	980.365	980.353	980.227	980.47
533+980.00	105	457,185.254	6,504,745.660	-4.40%	4.40%	-5.65	5.2	0.000	0.401	0.028	980.963	980.313	981.167	980.963	980.714	981.195	981.068	980.819	981.3
533+989.55	105	457,187.654	6,504,754.904	-5.50%	5.50%	-5.65	5.2	-0.011	0.276	0.027	981.281	980.689	981.524	981.270	980.965	981.551	981.375	981.070	981.656
534+000.00	105	457,189.886	6,504,765.111	-5.50%	5.50%	-5.65	5.2	-0.010	0.207	-0.023	981.657	981.132	981.956	981.647	981.339	981.933	981.752	981.444	982.038
534+020.00	130	457,192.960	6,504,784.868	-5.50%	5.50%	-5.65	5.2	0.028	0.288	-0.063	982.397	981.830	982.775	982.425	982.118	982.712	982.555	982.248	982.842
534+040.00	155	457,194.446	6,504,804.808	-5.50%	5.50%	-5.65	5.2	0.004	0.182	-0.045	983.233	982.747	983.568	983.237	982.929	983.523	983.392	983.084	983.678
534+060.00	155	457,194.333	6,504,824.802	-5.50%	5.50%	-5.65	5.2	-0.006	0.066	0.006	984.064	983.685	984.339	984.058	983.751	984.345	984.213	983.906	984.5
534+080.00	155	457,192.623	6,504,844.723	-5.50%	5.50%	-5.65	5.2	-0.041	0.065	0.022	985.004	984.590	985.227	984.963	984.655	985.249	985.118	984.810	985.404
534+100.00	155	457,189.327	6,504,864.445	-5.50%	5.50%	-5.65	5.2	-0.042	0.045	0.000	985.881	985.487	986.126	985.839	985.532	986.126	985.994	985.687	986.281
534+120.00	155	457,184.465	6,504,883.839	-5.50%	5.50%	-5.65	5.2	-0.041	0.097	0.009	986.766	986.320	987.002	986.725	986.417	987.011	986.880	986.572	987.166
534+140.00	155	457,178.069	6,504,902.783	-5.50%	5.50%	-5.65	5.2	-0.041	0.040	0.004	987.720	987.331	987.961	987.679	987.371	987.965	987.834	987.526	988.12
534+160.00	155	457,170.179	6,504,921.155	-5.50%	5.50%	-5.65	5.2	-0.041	0.028	0.037	988.711	988.335	988.920	988.670	988.363	988.957	988.825	988.518	989.112
534+180.00	155	457,160.846	6,504,938.838	-5.50%	5.50%	-6.021	5.2	-0.040	0.056	0.028	989.723	989.296	989.941	989.683	989.352	989.969	989.838	989.507	990.124
534+200.00	155	457,150.130	6,504,955.719	-5.50%	5.50%	-7.728	5.2	-0.042	0.290	-0.003	990.776	990.020	991.024	990.734	990.31	991.021	990.889	990.465	991.176
534+220.00	155	457,138.099	6,504,971.689	-5.50%	5.50%	-7.288	5.2	-0.041	0.108	-0.010	991.864	991.315	992.120	991.823	991.423	992.11	991.978	991.578	992.265
534+240.00	155	457,124.831	6,504,986.647	-5.50%	5.50%	-5.2	5.2	-0.040	0.094	-0.008	993.077	992.657	993.331	993.037	992.751	993.323	993.192	992.906	993.478
534+260.00	155	457,110.409	6,505,000.496	-5.50%	5.50%	-5.2	5.2	-0.007	0.227	-0.010	994.303	993.784	994.593	994.296	994.011	994.583	994.451	994.166	994.738
534+280.00	155	457,094.927	6,505,013.149	-5.50%	5.50%	-5.2	5.2	-0.007	0.295	0.006	995.579	994.991	995.852	995.572	995.286	995.858	995.727	995.441	996.013
534+300.00	155	457,078.483	6,505,024.524	-5.50%	5.50%	-5.2	5.2	-0.005	0.289	0.003	996.811	996.231	997.089	996.806	996.52	997.092	996.961	996.675	997.247
534+320.00	155	457,061.183	6,505,034.548	-5.50%	5.50%	-5.2	5.2	-0.012	0.182	-0.028	998.109	997.630	998.412	998.097	997.812	998.384	998.252	997.967	998.539
534+338.20	155	457,044.787	6,505,042.443	-5.50%	5.50%	-5.2	5.2	-0.031	0.094	0.007	999.331	998.927	999.560	999.300	999.021	999.567	999.455	999.176	999.722
534+340.00	155	457,043.137	6,505,043.158	-5.30%	5.30%	-5.2	5.2	-0.035	0.082	0.026	999.452	999.058	999.669	999.417	999.14	999.695	999.572	999.295	999.85
534+360.00	155	457,024.509	6,505,050.428	-3.50%	3.50%	-5.2	5.2	-0.045	0.080	0.069	1000.747	1000.439	1000.815	1000.702	1000.519	1000.884	1000.857	1000.674	1001.039
534+380.00	155	457,005.569	6,505,056.851	-1.70%	1.70%	-5.2	5.2	-0.020	0.136	0.110	1001.944	1001.700	1001.912	1001.924	1001.836	1002.022	1002.079	1001.991	1002.177
534+400.00	155	456,986.539	6,505,063.004	0.10%	-0.10%	-5.2	5.2	-0.010	0.169	0.085	1002.999	1002.827	1002.897	1002.989	1002.996	1002.982	1003.144	1003.151	1003.137
534+420.00	155	456,967.510	6,505,069.160	2.00%	-2.00%	-5.2	5.2	-0.030	0.129	0.011	1003.974	1003.916	1003.831	1003.944	1004.045	1003.842	1004.099	1004.200	1003.997
534+440.00	155	456,948.567	6,505,075.576	3.80%	-3.80%	-5.2	5.2	-0.015	0.160	0.044	1004.891	1004.913	1004.636	1004.876	1005.073	1004.68	1005.031	1005.228	1004.835
534+450.08	155	456,939.105	6,505,079.063	4.70%	-4.70%	-5.2	5.2	-0.015	0.147	0.062	1005.322	1005.404	1005.001	1005.307	1005.551	1005.063	1005.462	1005.706	1005.218
534+460.00	155	456,929.891	6,505,082.726	4.70%	-4.70%	-5.2	5.2	-0.030	0.077	0.111	1005.729	1005.866	1005.343	1005.699	1005.943	1005.454	1005.854	1006.098	1005.609
534+480.00	155	456,911.615	6,505,090.843	4.70%	-4.70%	-5.2	5.2	-0.040	0.032	0.190	1006.457	1006.630	1005.983	1006.417	1006.662	1006.173	1006.572	1006.817	1006.328
534+500.00	155	456,893.794	6,505,099.915	4.70%	-4.70%	-5.2	5.2	-0.040	0.015	0.160	1007.069	1007.258	1006.624	1007.029	1007.273	1006.784	1007.184	1007.428	1006.939
534+520.00	155	456,876.477	6,505,109.917	4.70%	-4.70%	-7.674	5.2	-0.025	0.009	0.162	1007.622	1007.948	1007.190	1007.597	1007.957	1007.352	1007.752	1008.112	1007.507
534+540.00	155	456,859.713	6,505,120.820	4.70%	-4.70%	-5.859	5.2	-0.025	-0.064	0.157	1008.059	1008.374	1007.633	1008.034	1008.31	1007.79	1008.189	1008.465	1007.945
534+560.00	155	456,843.550	6,505,132.595	4.70%	-4.70%	-5.65	5.2	-0.026	0.005	0.089	1008.460	1008.693	1008.101	1008.434	1008.698	1008.19	1008.589	1008.853	1008.345
534+580.00	155	456,828.032	6,505,145.208	4.70%	-4.70%	-5.65	5.2	-0.020	0.119	0.014	1008.782	1008.906	1008.503	1008.762	1009.025	1008.517	1008.917	1009.180	1008.672
534+600.00	155	456,813.202	6,505,158.625	4.70%	-4.70%	-5.65	5.2	-0.010	0.343	-0.037	1009.035	1008.946	1008.818	1009.025	1009.289	1008.781	1009.180	1009.444	1008.936

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
534+610.95	155	456,805.391	6,505,166.296	4.70%	-4.70%	-5.65	5.2	-0.001	0.219	-0.040	1009.129	1009.163	1008.929	1009.128	1009.382	1008.889	1009.283	1009.537	1009.044
534+620.00	155	456,799.097	6,505,172.801	3.60%	-3.60%	-5.65	5.2	0.000	0.154	-0.016	1009.174	1009.224	1009.001	1009.174	1009.378	1008.985	1009.329	1009.533	1009.14
534+633.93	155	456,789.639	6,505,183.023	2.00%	-2.00%	-5.65	5.2	-0.027	0.323	0.038	1009.299	1009.057	1009.116	1009.272	1009.38	1009.154	1009.427	1009.535	1009.309
534+640.00	155	456,785.573	6,505,187.534	1.30%	-2.00%	-5.65	5.2	-0.025	0.229	0.053	1009.344	1009.162	1009.162	1009.319	1009.391	1009.215	1009.474	1009.546	1009.37
534+650.95	155	456,778.285	6,505,195.705	0.00%	-2.00%	-5.65	5.2	-0.023	-0.053	0.019	1009.452	1009.482	1009.306	1009.429	1009.429	1009.325	1009.584	1009.584	1009.48
534+660.00	155	456,772.269	6,505,202.467	-1.10%	-2.00%	-5.65	5.2	0.000	0.066	0.019	1009.536	1009.410	1009.413	1009.536	1009.476	1009.432	1009.691	1009.631	1009.587
534+667.97	155	456,766.971	6,505,208.422	-2.00%	-2.00%	-5.65	5.2	-0.001	-0.003	-0.012	1009.589	1009.490	1009.496	1009.588	1009.487	1009.484	1009.743	1009.642	1009.639
534+680.00	155	456,758.975	6,505,217.410	-2.00%	-2.00%	-5.65	5.2	0.010	-0.003	-0.021	1009.668	1009.569	1009.595	1009.678	1009.566	1009.574	1009.833	1009.721	1009.729
534+700.00	155	456,745.682	6,505,232.352	-2.00%	-2.00%	-5.65	5.2	0.010	0.036	0.008	1009.800	1009.662	1009.698	1009.810	1009.698	1009.706	1009.965	1009.853	1009.861
534+720.00	155	456,732.388	6,505,247.295	-2.00%	-2.00%	-5.65	5.2	-0.010	0.211	-0.028	1010.061	1009.728	1009.975	1010.051	1009.939	1009.947	1010.206	1010.094	1010.102
534+740.00	155	456,719.095	6,505,262.238	-2.00%	-2.00%	-5.65	5.2	0.010	0.194	-0.022	1010.379	1010.083	1010.307	1010.389	1010.277	1010.285	1010.544	1010.432	1010.44
534+760.00	155	456,705.802	6,505,277.181	-2.00%	-2.00%	-5.65	5.2	0.015	0.155	-0.025	1010.980	1010.728	1010.916	1010.995	1010.883	1010.891	1011.150	1011.038	1011.046
534+780.00	155	456,692.508	6,505,292.123	-2.00%	-2.00%	-5.65	5.2	0.015	0.104	-0.039	1011.830	1011.629	1011.780	1011.845	1011.733	1011.741	1012.000	1011.888	1011.896
534+800.00	155	456,679.215	6,505,307.066	-2.00%	-2.00%	-5.65	5.2	0.030	0.213	-0.026	1012.767	1012.472	1012.719	1012.797	1012.685	1012.693	1012.952	1012.840	1012.848
534+804.26	155	456,676.383	6,505,310.249	-2.00%	-2.00%	-5.65	5.2	0.034	0.277	-0.017	1013.012	1012.657	1012.976	1013.046	1012.934	1012.959	1013.201	1013.089	1013.114
534+820.00	155	456,665.921	6,505,322.009	-2.00%	-0.40%	-5.65	5.2	0.045	0.432	0.016	1013.920	1013.421	1013.927	1013.965	1013.853	1013.943	1014.120	1014.008	1014.098
534+840.00	155	456,652.628	6,505,336.952	-2.00%	1.60%	-5.65	5.2	0.020	0.463	-0.029	1015.308	1014.753	1015.439	1015.328	1015.216	1015.41	1015.483	1015.371	1015.565
534+844.26	155	456,649.797	6,505,340.135	-2.00%	2.00%	-5.65	5.2	0.025	0.450	-0.022	1015.621	1015.084	1015.759	1015.646	1015.534	1015.737	1015.801	1015.689	1015.892
534+860.00	155	456,639.310	6,505,351.873	-2.00%	2.00%	-5.65	5.2	0.000	0.363	-0.026	1016.807	1016.332	1016.937	1016.807	1016.695	1016.911	1016.962	1016.850	1017.066
534+864.26	155	456,636.454	6,505,355.033	-2.00%	2.00%	-5.65	5.2	0.000	0.356	-0.029	1017.125	1016.644	1017.266	1017.125	1017	1017.237	1017.280	1017.155	1017.392
534+880.00	155	456,625.760	6,505,366.582	-3.60%	3.60%	-5.65	5.2	0.000	0.324	0.003	1018.299	1017.775	1018.482	1018.299	1018.099	1018.485	1018.454	1018.254	1018.64
534+884.26	155	456,622.816	6,505,369.661	-4.00%	4.00%	-5.65	5.2	-0.002	0.286	-0.001	1018.634	1018.136	1018.820	1018.632	1018.422	1018.819	1018.787	1018.577	1018.974
534+900.00	155	456,611.715	6,505,380.819	-4.00%	4.00%	-5.65	5.2	-0.025	0.290	0.019	1019.912	1019.373	1020.076	1019.887	1019.663	1020.095	1020.042	1019.818	1020.25
534+920.00	155	456,597.113	6,505,394.484	-4.00%	4.00%	-5.65	5.2	-0.006	0.170	-0.043	1021.494	1021.095	1021.740	1021.488	1021.265	1021.697	1021.643	1021.420	1021.852
534+940.00	155	456,581.977	6,505,407.554	-4.00%	4.00%	-5.65	5.2	-0.030	0.143	-0.023	1023.103	1022.706	1023.304	1023.073	1022.849	1023.281	1023.228	1023.004	1023.436
534+960.00	155	456,566.329	6,505,420.009	-4.00%	4.00%	-5.65	5.2	-0.050	0.108	0.002	1024.560	1024.178	1024.716	1024.510	1024.286	1024.718	1024.665	1024.441	1024.873
534+980.00	155	456,550.197	6,505,431.827	-4.00%	4.00%	-5.65	5.2	-0.040	0.079	0.036	1025.942	1025.599	1026.074	1025.902	1025.678	1026.11	1026.057	1025.833	1026.265
535+000.00	155	456,533.604	6,505,442.991	-4.00%	4.00%	-5.65	5.2	-0.030	-0.023	0.068	1027.112	1026.881	1027.222	1027.082	1026.858	1027.29	1027.237	1027.013	1027.445
535+010.95	155	456,524.337	6,505,448.818	-4.00%	4.00%	-5.65	5.2	-0.030	0.008	0.052	1027.788	1027.530	1027.906	1027.758	1027.538	1027.958	1027.913	1027.693	1028.113
535+020.00	155	456,516.582	6,505,453.488	-3.10%	3.10%	-5.65	5.2	-0.030	0.072	0.015	1028.342	1028.066	1028.457	1028.312	1028.138	1028.472	1028.467	1028.293	1028.627
535+030.95	155	456,507.119	6,505,458.992	-2.00%	2.00%	-5.65	5.2	-0.033	0.112	0.000	1029.009	1028.748	1029.084	1028.976	1028.86	1029.084	1029.131	1029.015	1029.239
535+040.00	155	456,499.247	6,505,463.463	-2.00%	2.00%	-5.65	5.2	-0.030	0.083	0.022	1029.534	1029.309	1029.586	1029.504	1029.392	1029.608	1029.659	1029.547	1029.763
535+050.95	155	456,489.701	6,505,468.820	-2.00%	2.00%	-5.65	5.2	-0.032	0.103	0.057	1030.141	1029.894	1030.151	1030.109	1029.997	1030.208	1030.264	1030.152	1030.363
535+060.00	155	456,481.801	6,505,473.243	-2.00%	1.10%	-5.65	5.2	-0.030	0.089	0.039	1030.615	1030.384	1030.603	1030.585	1030.473	1030.642	1030.740	1030.628	1030.797
535+080.00	155	456,464.350	6,505,483.013	-2.00%	-0.90%	-5.65	5.2	-0.010	0.122	0.013	1031.603	1031.359	1031.533	1031.593	1031.481	1031.546	1031.748	1031.636	1031.701
535+090.95	155	456,454.798	6,505,488.360	-2.00%	-2.00%	-5.65	5.2	-0.017	0.079	-0.004	1032.129	1031.921	1032.038	1032.112	1032	1032.034	1032.267	1032.155	1032.189
535+100.00	155	456,446.899	6,505,492.783	-2.00%	-2.00%	-5.65	5.2	-0.010	0.056	-0.017	1032.551	1032.373	1032.454	1032.541	1032.429	1032.437	1032.696	1032.584	1032.592
535+120.00	155	456,429.448	6,505,502.553	-2.00%	-2.00%	-5.65	5.2	0.005	0.066	0.010	1033.455	1033.282	1033.346	1033.460	1033.348	1033.356	1033.615	1033.503	1033.511
535+140.00	155	456,411.996	6,505,512.323	-2.00%	-2.00%	-5.65	5.2	0.000	0.049	0.000	1034.276	1034.115	1034.172	1034.276	1034.164	1034.172	1034.431	1034.319	1034.327
535+160.00	155	456,394.545	6,505,522.093	-2.00%	-2.00%	-5.65	5.2	0.000	0.065	-0.027	1035.006	1034.829	1034.929	1035.006	1034.894	1034.902	1035.161	1035.049	1035.057
535+161.46	155	456,393.268	6,505,522.808	-2.00%	-2.00%	-5.65	5.2	-0.003	0.066	-0.023	1035.058	1034.877	1034.983	1035.055	1034.943	1034.96	1035.210	1035.098	1035.115
535+178.13	155	456,378.725	6,505,530.949	-2.00%	0.00%	-5.65	5.2	-0.005	0.082	0.036	1035.619	1035.420	1035.579	1035.614	1035.502	1035.615	1035.769	1035.657	1035.77
535+180.00	155	456,377.094	6,505,531.863	-2.00%	0.20%	-5.65	5.2	0.000	0.088	0.046	1035.676	1035.476	1035.642	1035.676	1035.564	1035.688	1035.831	1035.719	1035.843
535+194.80	155	456,364.155	6,505,539.042	-2.00%	2.00%	-5.65	5.2	-0.026	0.074	0.083	1036.143	1035.914	1036.133	1036.117	1035.988	1036.216	1036.272	1036.143	1036.371
535+200.00	155	456,359.581	6,505,541.521	-2.60%	2.60%	-5.65	5.2	-0.010	0.105	0.104	1036.282	1036.020	1036.304	1036.272	1036.125	1036.408	1036.427	1036.280	1036.563
535+218.13	155	456,343.454	6,505,549.802	-4.80%	4.80%	-5.65	5.2	-0.031	0.025	0.079	1036.715	1036.400	1036.837	1036.684	1036.425	1036.916	1036.839	1036.580	1037.071
535+220.00	155	456,341.769	6,505,550.614	-4.80%	4.80%	-5.65	5.2	-0.031	0.015	0.090	1036.754	1036.440	1036.883	1036.723	1036.455	1036.973	1036.878	1036.610	1037.128
535+240.00	155	456,323.487	6,505,558.717	-4.80%	4.80%	-5.65	5.2	-0.032	0.011	0.070	1037.182	1036.871	1037.331	1037.150	1036.882	1037.401	1037.305	1037.037	1037.556
535+260.00	155	456,304.763	6,505,565.737	-4.80%	4.80%	-5.65	5.2	-0.042	0.015	0.112	1037.618	1037.293	1037.715	1037.576	1037.308	1037.827	1037.731	1037.463	1037.982
535+280.00	155	456,285.660	6,505,571.651	-4.80%	4.80%	-5.65	5.2	-0.041	0.013	0.101	1037.981	1037.658	1038.089	1037.940	1037.671	1038.19	1038.095	1037.826	1038.345
535+300.00	155	456,266.245	6,505,576.438	-4.80%	4.80%	-5.65	5.2	-0.041	0.036	0.086	1038.311	1037.966	1038.434	1038.270	1038.002	1038.52	1038.425	1038.157	1038.675
535+320.00	155	456,246.582	6,505,580.083	-4.80%	4.80%	-5.65	5.2	-0.050	0.028	0.063	1038.654	1038.307	1038.791	1038.604	1038.335	1038.854	1038.759	1038.490	1039.009
535+340.00	155	456,226.741	6,505,582.572	-4.80%	4.80%	-5.65	5.2	-0.035	0.094	0.026	1039.041	1038.644	1039.230	1039.006	1038.738	1039.256	1039.161	1038.893	1039.411
535+360.00	155	456,206.788	6,505,583.896	-4.80%	4.80%	-5.65	5.2	-0.041	0.106	-0.017	1039.363	1038.948	1039.589	1039.322	1039.054	1039.572	1039.477	1039.209	1039.727
535+380.00	155	456,186.791	6,505,584.053	-4.80%	4.80%	-5.65	5.2	-0.031	0.247	-0.024	1039.600	1039.054	1039.843	1039.569	1039.301	1039.819	1039.724	1039.456	1039.974
535+400.00	155	456,166.819	6,505,583.041	-4.80%	4.80%	-5.65	5.2	-0.032	0.167	-0.024	1039.761	1039.294	1040.003	1039.729	1039.461	1039.979	1039.884	1039.616	1040.134
535+420.00	155	456,146.941	6,505,580.863	-4.80%	4.80%	-5.65	5.2	-0.027	0.093	0.070	1039.930	1039.542	1040.084	1039.903	1039.635	1040.154	1040.058	1039.790	1040.309
535+440.00	155	456,127.224	6,505,577.526	-4.80%	4.80%	-5.65	5.2	-0.027	0.135	0.132	1040.242	1039.812	1040.334	1040.215	1039.947	1040.466	1040.370	1040.102	1040.621
535+460.00	155	456,107.736	6,505,573.044	-4.80%	4.80%	-5.65	5.2	-0.027	0.098	0.120	1040.686	1040.293	1040.789	1040.659	1040.391	1040.909	1040.814	1040.546	1041.064
535+480.00	155	456,088.543	6,505,567.430	-4.80%	4.80%	-5.65	5.2	-0.042	0.127	0.099	1041.132	1040.695	1041.242	1041.090	1040.822	1041.341	1041.245	1040.977	1041.496
535+500.00	155	456,069.711	6,505,560.703	-4.80%	4.80%	-5.65	5.2	-0.040	0.073	0.114	1041.551	1041.169	1041.647	1041.511	1041.242	1041.761	1041.666	1041.397	1041.916
535+520.00	155	456,051.305	6,505,552.888	-4.80%	4.80%	-5.65	5.2	-0.045	0.064	0.106	1041.969	1041.592	1042.068	1041.924	1041.656	1042.174	1042.079	1041.811	1042.329

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
535+540.00	155	456,033.386	6,505,544.010	-4.80%	4.80%	-5.65	5.2	-0.045	0.092	0.076	1042.450	1042.044	1042.579	1042.405	1042.136	1042.655	1042.560	1042.291	1042.81
535+560.00	155	456,016.017	6,505,534.100	-4.80%	4.80%	-5.65	5.2	-0.046	0.002	0.096	1043.034	1042.718	1043.143	1042.988	1042.72	1043.239	1043.143	1042.875	1043.394
535+580.00	155	455,999.257	6,505,523.192	-4.80%	4.80%	-5.65	5.2	-0.041	0.065	0.077	1043.709	1043.334	1043.841	1043.668	1043.399	1043.918	1043.823	1043.554	1044.073
535+600.00	155	455,983.163	6,505,511.323	-4.80%	4.80%	-5.65	5.2	-0.031	0.063	0.054	1044.501	1044.139	1044.666	1044.470	1044.202	1044.72	1044.625	1044.357	1044.875
535+620.00	155	455,967.791	6,505,498.533	-4.80%	4.80%	-5.65	5.2	-0.046	0.083	0.058	1045.475	1045.078	1045.621	1045.429	1045.161	1045.679	1045.584	1045.316	1045.834
535+629.36	155	455,960.857	6,505,492.242	-4.80%	4.80%	-5.65	5.2	-0.047	0.064	0.071	1045.975	1045.600	1046.100	1045.928	1045.664	1046.171	1046.083	1045.819	1046.326
535+640.00	155	455,953.182	6,505,484.878	-3.50%	3.50%	-5.65	5.2	-0.035	0.091	0.033	1046.612	1046.289	1046.727	1046.577	1046.38	1046.76	1046.732	1046.535	1046.915
535+652.70	155	455,944.238	6,505,475.867	-2.00%	2.00%	-5.65	5.2	-0.018	0.153	-0.030	1047.377	1047.080	1047.502	1047.359	1047.233	1047.472	1047.514	1047.388	1047.627
535+660.00	155	455,939.164	6,505,470.614	-2.00%	2.00%	-5.65	5.2	-0.010	0.181	0.008	1047.841	1047.538	1047.927	1047.831	1047.719	1047.935	1047.986	1047.874	1048.09
535+669.36	155	455,932.694	6,505,463.845	-2.00%	2.00%	-5.65	5.2	0.000	0.187	0.040	1048.437	1048.137	1048.469	1048.437	1048.324	1048.509	1048.592	1048.479	1048.664
535+680.00	155	455,925.352	6,505,456.148	-2.00%	0.70%	-5.65	5.2	-0.010	0.092	0.033	1049.135	1048.921	1049.130	1049.125	1049.013	1049.163	1049.280	1049.168	1049.318
535+700.00	155	455,911.548	6,505,441.676	-2.00%	-1.70%	-5.65	5.2	0.015	0.106	-0.027	1050.535	1050.332	1050.489	1050.550	1050.438	1050.462	1050.705	1050.593	1050.617
535+702.70	155	455,909.687	6,505,439.724	-2.00%	-2.00%	-5.65	5.2	0.020	0.117	-0.022	1050.741	1050.532	1050.694	1050.761	1050.649	1050.672	1050.916	1050.804	1050.827
535+720.00	155	455,897.744	6,505,427.204	-2.00%	-2.00%	-5.65	5.2	0.015	0.159	-0.008	1052.103	1051.847	1052.022	1052.118	1052.006	1052.014	1052.273	1052.161	1052.169
535+740.00	155	455,883.940	6,505,412.732	-2.00%	-2.00%	-5.65	5.2	0.015	0.164	0.069	1053.743	1053.482	1053.585	1053.758	1053.646	1053.654	1053.913	1053.801	1053.809
535+760.00	155	455,870.136	6,505,398.259	-2.00%	-2.00%	-5.65	5.2	-0.031	0.105	0.035	1055.328	1055.081	1055.159	1055.297	1055.186	1055.194	1055.452	1055.341	1055.349
535+780.00	155	455,856.332	6,505,383.787	-2.00%	-2.00%	-5.956	5.2	-0.015	0.036	0.065	1056.886	1056.716	1056.702	1056.871	1056.752	1056.767	1057.026	1056.907	1056.922
535+800.00	155	455,842.528	6,505,369.315	-2.00%	-2.00%	-7.156	5.2	-0.015	-0.005	0.005	1058.416	1058.263	1058.292	1058.401	1058.258	1058.297	1058.556	1058.413	1058.452
535+820.00	155	455,828.724	6,505,354.842	-2.00%	-2.00%	-7.461	5.2	-0.015	0.074	0.101	1059.864	1059.626	1059.644	1059.849	1059.7	1059.745	1060.004	1059.855	1059.9
535+840.00	155	455,814.919	6,505,340.370	-2.00%	-2.00%	-5.2	5.2	-0.010	0.014	0.103	1061.218	1061.090	1061.001	1061.208	1061.104	1061.104	1061.363	1061.259	1061.259
535+860.00	155	455,801.115	6,505,325.898	-2.00%	-2.00%	-5.2	5.2	0.000	0.042	0.125	1062.505	1062.359	1062.276	1062.505	1062.401	1062.401	1062.660	1062.556	1062.556
535+880.00	155	455,787.311	6,505,311.426	-2.00%	-2.00%	-5.2	5.2	-0.025	0.060	0.093	1063.714	1063.525	1063.492	1063.689	1063.585	1063.585	1063.844	1063.740	1063.74
535+900.00	155	455,773.507	6,505,296.953	-2.00%	-2.00%	-5.2	5.2	-0.025	0.044	0.060	1064.841	1064.668	1064.652	1064.816	1064.712	1064.712	1064.971	1064.867	1064.867
535+920.00	155	455,759.703	6,505,282.481	-2.00%	-2.00%	-5.2	5.2	-0.015	0.094	0.108	1065.950	1065.737	1065.723	1065.935	1065.831	1065.831	1066.090	1065.986	1065.986
535+940.00	155	455,745.899	6,505,268.009	-2.00%	-2.00%	-5.2	5.2	-0.025	0.077	0.071	1066.898	1066.692	1066.698	1066.873	1066.769	1066.769	1067.028	1066.924	1066.924
535+960.00	155	455,732.095	6,505,253.537	-2.00%	-2.00%	-5.2	5.2	-0.020	0.078	0.035	1067.741	1067.539	1067.582	1067.721	1067.617	1067.617	1067.876	1067.772	1067.772
535+980.00	155	455,718.291	6,505,239.064	-2.00%	-2.00%	-5.2	5.2	-0.005	0.070	0.014	1068.466	1068.287	1068.343	1068.461	1068.357	1068.357	1068.616	1068.512	1068.512
536+000.00	155	455,704.487	6,505,224.592	-2.00%	-2.00%	-5.2	5.2	-0.025	0.074	0.023	1069.141	1068.938	1068.989	1069.116	1069.012	1069.012	1069.271	1069.167	1069.167
536+020.00	155	455,690.682	6,505,210.120	-2.00%	-2.00%	-5.2	5.2	-0.015	0.050	0.060	1069.727	1069.558	1069.548	1069.712	1069.608	1069.608	1069.867	1069.763	1069.763
536+040.00	155	455,676.878	6,505,195.648	-2.00%	-2.00%	-5.2	5.2	-0.015	0.064	0.071	1070.251	1070.068	1070.061	1070.236	1070.132	1070.132	1070.391	1070.287	1070.287
536+060.00	155	455,663.074	6,505,181.175	-2.00%	-2.00%	-5.2	5.2	-0.010	0.038	0.086	1070.717	1070.565	1070.517	1070.707	1070.603	1070.603	1070.862	1070.758	1070.758
536+065.13	155	455,659.536	6,505,177.465	-2.00%	-2.00%	-5.2	5.2	-0.023	0.024	0.084	1070.816	1070.686	1070.605	1070.793	1070.71	1070.689	1070.948	1070.865	1070.844
536+080.00	155	455,649.270	6,505,166.703	-0.50%	-2.00%	-5.2	5.2	-0.015	0.039	0.112	1071.061	1070.982	1070.830	1071.046	1071.021	1070.942	1071.201	1071.176	1071.097
536+100.00	155	455,635.466	6,505,152.231	1.60%	-2.00%	-5.2	5.2	-0.010	0.085	0.130	1071.269	1071.255	1071.025	1071.259	1071.34	1071.155	1071.414	1071.495	1071.31
536+104.34	155	455,632.468	6,505,149.088	2.00%	-2.00%	-5.2	5.2	-0.018	0.076	0.123	1071.294	1071.291	1071.049	1071.276	1071.367	1071.172	1071.431	1071.522	1071.327
536+120.00	155	455,621.639	6,505,137.781	2.00%	-2.00%	-5.2	5.2	-0.030	0.037	0.123	1071.372	1071.409	1071.115	1071.342	1071.446	1071.238	1071.497	1071.601	1071.393
536+123.95	155	455,618.890	6,505,134.944	2.00%	-2.00%	-5.2	5.2	-0.030	0.030	0.116	1071.385	1071.437	1071.122	1071.355	1071.467	1071.238	1071.510	1071.622	1071.393
536+140.00	155	455,607.587	6,505,123.550	3.60%	-3.60%	-5.2	5.2	-0.030	0.029	0.065	1071.431	1071.561	1071.147	1071.401	1071.59	1071.212	1071.556	1071.745	1071.367
536+154.34	155	455,597.218	6,505,113.640	5.10%	-5.10%	-5.2	5.2	-0.042	0.001	0.069	1071.471	1071.668	1071.108	1071.429	1071.669	1071.177	1071.584	1071.824	1071.332
536+160.00	155	455,593.038	6,505,109.828	5.10%	-5.10%	-5.2	5.2	-0.041	0.047	0.064	1071.483	1071.661	1071.113	1071.442	1071.708	1071.177	1071.597	1071.863	1071.332
536+180.00	155	455,577.839	6,505,096.833	5.10%	-5.10%	-5.2	5.2	-0.041	0.103	0.088	1071.469	1071.591	1071.075	1071.428	1071.694	1071.163	1071.583	1071.849	1071.318
536+200.00	155	455,562.008	6,505,084.613	5.10%	-5.10%	-5.2	5.2	-0.036	0.159	0.064	1071.345	1071.416	1070.981	1071.309	1071.575	1071.045	1071.464	1071.730	1071.2
536+220.00	155	455,545.587	6,505,073.200	5.10%	-5.10%	-5.2	5.2	-0.046	0.060	0.044	1071.173	1071.333	1070.818	1071.127	1071.393	1070.862	1071.282	1071.548	1071.017
536+240.00	155	455,528.616	6,505,062.622	5.10%	-5.10%	-6.051	5.2	-0.046	0.061	0.019	1071.027	1071.229	1070.697	1070.981	1071.29	1070.716	1071.136	1071.445	1070.871
536+260.00	155	455,511.137	6,505,052.905	5.10%	-5.10%	-5.976	5.2	-0.052	0.081	0.094	1070.842	1071.015	1070.432	1070.790	1071.096	1070.526	1070.945	1071.251	1070.681
536+280.00	155	455,493.195	6,505,044.074	5.10%	-5.10%	-6.299	5.2	-0.052	0.096	0.101	1070.584	1070.758	1070.167	1070.532	1070.854	1070.268	1070.687	1071.009	1070.423
536+300.00	155	455,474.834	6,505,036.151	5.10%	-5.10%	-5.2	5.2	-0.051	0.066	0.123	1070.213	1070.362	1069.774	1070.162	1070.428	1069.897	1070.317	1070.583	1070.052
536+320.00	155	455,456.099	6,505,029.155	5.10%	-5.10%	-5.2	5.2	-0.026	0.074	0.044	1069.720	1069.886	1069.386	1069.694	1069.96	1069.43	1069.849	1070.115	1069.585
536+340.00	155	455,437.039	6,505,023.104	5.10%	-5.10%	-5.2	5.2	-0.021	0.047	-0.098	1069.227	1069.425	1069.040	1069.206	1069.472	1068.942	1069.361	1069.627	1069.097
536+360.00	155	455,417.700	6,505,018.014	5.10%	-5.10%	-5.2	5.2	-0.027	0.013	0.032	1068.747	1068.973	1068.424	1068.720	1068.986	1068.456	1068.875	1069.141	1068.611
536+380.00	155	455,398.130	6,505,013.896	5.10%	-5.10%	-5.2	5.2	-0.026	0.051	-0.004	1068.162	1068.351	1067.876	1068.136	1068.402	1067.872	1068.291	1068.557	1068.027
536+400.00	155	455,378.379	6,505,010.762	5.10%	-5.10%	-5.2	5.2	-0.026	0.071	0.020	1067.491	1067.660	1067.180	1067.465	1067.731	1067.2	1067.620	1067.886	1067.355
536+420.00	155	455,358.497	6,505,008.619	5.10%	-5.10%	-5.2	5.2	-0.036	0.062	0.053	1066.799	1066.967	1066.446	1066.763	1067.029	1066.499	1066.918	1067.184	1066.654
536+440.00	155	455,338.532	6,505,007.472	5.10%	-5.10%	-5.2	5.2	-0.036	0.038	0.104	1066.025	1066.217	1065.620	1065.989	1066.255	1065.724	1066.144	1066.410	1065.879
536+460.00	155	455,318.534	6,505,007.325	5.10%	-5.10%	-5.2	5.2	-0.036	0.039	0.109	1065.136	1065.327	1064.726	1065.100	1065.366	1064.835	1065.255	1065.521	1064.99
536+480.00	155	455,298.555	6,505,008.177	5.10%	-5.10%	-5.2	5.2	-0.046	-0.008	0.119	1064.180	1064.408	1063.751	1064.134	1064.4	1063.87	1064.289	1064.555	1064.025
536+500.00	155	455,278.642	6,505,010.026	5.10%	-5.10%	-5.2	5.2	-0.046	0.004	0.088	1063.198	1063.414	1062.799	1063.152	1063.418	1062.887	1063.307	1063.573	1063.042
536+520.00	155	455,258.847	6,505,012.869	5.10%	-5.10%	-5.2	5.2	-0.041	0.024	0.072	1062.229	1062.430	1061.851	1062.188	1062.454	1061.923	1062.343	1062.609	1062.078
536+540.00	155	455,239.219	6,505,016.697	5.10%	-5.10%	-5.2	5.2	-0.041	0.050	0.096	1061.182	1061.357	1060.780	1061.141	1061.407	1060.876	1061.296	1061.562	1061.031
536+560.00	155	455,219.807	6,505,021.501	5.10%	-5.10%	-5.2	5.2	-0.041	0.064	0.132	1060.026	1060.187	1059.588	1059.985	1060.251	1059.72	1060.140	1060.406	1059.875
536+580.00	155	455,200.659	6,505,027.270	5.10%	-5.10%	-5.2	5.2	-0.041	0.065	0.124	1058.790	1058.950	1058.360	1058.749	1059.015	1058.484	1058.904	1059.170	1058.639
536+586.25	155	455,194.737	6,505,029.268	5.10%	-5.10%	-5.2	5.2	-0.038	0.049	0.137	1058.394	1058.548	1057.966	1058.356	1058.597	1058.103	1058.511	1058.752	1058.258

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
536+600.00	155	455,181.816	6,505,033.968	3.70%	-3.70%	-5.2	5.2	-0.030	0.058	0.193	1057.490	1057.594	1057.075	1057.460	1057.652	1057.268	1057.615	1057.807	1057.423
536+616.64	155	455,166.335	6,505,040.074	2.00%	-2.00%	-5.2	5.2	-0.025	0.053	0.206	1056.343	1056.365	1055.997	1056.318	1056.418	1056.203	1056.473	1056.573	1056.358
536+620.00	155	455,163.226	6,505,041.343	1.70%	-2.00%	-5.2	5.2	-0.025	0.043	0.209	1056.111	1056.129	1055.773	1056.086	1056.172	1055.982	1056.241	1056.327	1056.137
536+636.25	155	455,148.219	6,505,047.575	0.00%	-2.00%	-5.2	5.2	-0.008	-0.001	0.198	1054.989	1054.982	1054.680	1054.981	1054.981	1054.878	1055.136	1055.136	1055.033
536+640.00	155	455,144.758	6,505,049.020	-0.40%	-2.00%	-5.2	5.2	0.000	-0.016	0.183	1054.721	1054.717	1054.434	1054.721	1054.701	1054.617	1054.876	1054.856	1054.772
536+655.86	155	455,130.126	6,505,055.133	-2.00%	-2.00%	-5.2	5.2	0.020	-0.056	0.121	1053.594	1053.583	1053.389	1053.614	1053.527	1053.51	1053.769	1053.682	1053.665
536+660.00	155	455,126.304	6,505,056.730	-2.00%	-2.00%	-5.2	5.2	0.030	-0.057	0.131	1053.295	1053.278	1053.090	1053.325	1053.221	1053.221	1053.480	1053.376	1053.376
536+680.00	155	455,107.850	6,505,064.440	-2.00%	-2.00%	-5.2	5.2	0.030	-0.029	0.151	1051.831	1051.786	1051.606	1051.861	1051.757	1051.757	1052.016	1051.912	1051.912
536+700.00	155	455,089.396	6,505,072.150	-2.00%	-2.00%	-5.2	5.2	-0.009	0.013	0.093	1050.387	1050.260	1050.180	1050.378	1050.273	1050.273	1050.533	1050.428	1050.428
536+720.00	155	455,070.942	6,505,079.860	-2.00%	-2.00%	-5.2	5.2	-0.035	0.068	0.060	1048.973	1048.766	1048.774	1048.938	1048.834	1048.834	1049.093	1048.989	1048.989
536+740.00	155	455,052.487	6,505,087.570	-2.00%	-2.00%	-5.2	5.2	-0.035	0.060	0.071	1047.598	1047.399	1047.388	1047.563	1047.459	1047.459	1047.718	1047.614	1047.614
536+760.00	155	455,034.033	6,505,095.280	-2.00%	-2.00%	-5.2	5.2	-0.025	0.120	0.032	1046.223	1045.974	1046.062	1046.198	1046.094	1046.094	1046.353	1046.249	1046.249
536+780.00	155	455,015.579	6,505,102.990	-2.00%	-2.00%	-5.2	5.2	-0.025	0.112	0.016	1044.846	1044.605	1044.701	1044.821	1044.717	1044.717	1044.976	1044.872	1044.872
536+800.00	155	454,997.125	6,505,110.700	-2.00%	-2.00%	-5.2	5.2	-0.025	0.115	0.034	1043.583	1043.339	1043.420	1043.558	1043.454	1043.454	1043.713	1043.609	1043.609
536+820.00	155	454,978.671	6,505,118.409	-2.00%	-2.00%	-5.2	5.2	-0.025	0.052	0.025	1042.326	1042.145	1042.172	1042.301	1042.197	1042.197	1042.456	1042.352	1042.352
536+840.00	155	454,960.216	6,505,126.119	-2.00%	-2.00%	-5.2	5.2	-0.025	0.055	0.053	1041.124	1040.940	1040.942	1041.099	1040.995	1040.995	1041.254	1041.150	1041.15
536+860.00	155	454,941.762	6,505,133.829	-2.00%	-2.00%	-5.2	5.2	-0.025	0.088	0.040	1040.014	1039.797	1039.845	1039.989	1039.885	1039.885	1040.144	1040.040	1040.04
536+880.00	155	454,923.308	6,505,141.539	-2.00%	-2.00%	-5.2	5.2	-0.020	0.085	0.021	1038.952	1038.743	1038.807	1038.932	1038.828	1038.828	1039.087	1038.983	1038.983
536+900.00	155	454,904.854	6,505,149.249	-2.00%	-2.00%	-5.2	5.2	-0.020	0.097	0.031	1037.924	1037.703	1037.769	1037.904	1037.8	1037.8	1038.059	1037.955	1037.955
536+920.00	155	454,886.400	6,505,156.959	-2.00%	-2.00%	-5.2	5.2	-0.020	0.065	0.040	1036.884	1036.695	1036.720	1036.864	1036.76	1036.76	1037.019	1036.915	1036.915
536+926.17	155	454,880.705	6,505,159.338	-2.00%	-2.00%	-5.2	5.2	-0.022	0.066	0.050	1036.582	1036.408	1036.406	1036.560	1036.474	1036.456	1036.715	1036.629	1036.611
536+940.00	155	454,867.946	6,505,164.669	-0.90%	-2.00%	-5.2	5.2	-0.020	0.066	0.063	1035.900	1035.768	1035.713	1035.880	1035.834	1035.776	1036.035	1035.989	1035.931
536+950.73	155	454,858.042	6,505,168.806	0.00%	-2.00%	-5.2	5.2	-0.026	0.055	0.040	1035.396	1035.314	1035.226	1035.370	1035.369	1035.266	1035.525	1035.524	1035.421
536+960.00	155	454,849.493	6,505,172.383	0.80%	-2.00%	-5.199	5.201	-0.020	0.039	0.031	1034.950	1034.930	1034.794	1034.930	1034.969	1034.825	1035.085	1035.124	1034.98
536+975.29	155	454,835.412	6,505,178.352	2.00%	-2.00%	-5.2	5.2	-0.015	0.053	0.014	1034.208	1034.241	1034.065	1034.193	1034.294	1034.079	1034.348	1034.449	1034.234
536+980.00	155	454,831.092	6,505,180.220	2.40%	-2.40%	-5.2	5.2	-0.020	0.061	0.002	1033.987	1034.030	1033.841	1033.967	1034.091	1033.843	1034.122	1034.246	1033.998
537+000.00	155	454,812.852	6,505,188.421	4.00%	-4.00%	-5.2	5.2	-0.015	0.117	-0.013	1033.097	1033.174	1032.887	1033.082	1033.291	1032.874	1033.237	1033.446	1033.029
537+020.00	155	454,794.897	6,505,197.228	5.60%	-5.60%	-5.2	5.2	-0.015	0.137	0.028	1032.180	1032.321	1031.844	1032.165	1032.458	1031.872	1032.320	1032.613	1032.027
537+020.73	155	454,794.246	6,505,197.566	5.70%	-5.70%	-5.2	5.2	-0.012	0.133	0.032	1032.145	1032.290	1031.807	1032.133	1032.423	1031.839	1032.288	1032.578	1031.994
537+040.00	155	454,777.358	6,505,206.836	5.70%	-5.70%	-5.2	5.2	-0.035	0.091	0.034	1031.321	1031.492	1030.956	1031.286	1031.583	1030.99	1031.441	1031.738	1031.145
537+060.00	155	454,760.296	6,505,217.268	5.70%	-5.70%	-5.2	5.2	-0.045	0.044	0.031	1030.517	1030.725	1030.145	1030.472	1030.769	1030.176	1030.627	1030.924	1030.331
537+080.00	155	454,743.750	6,505,228.500	5.70%	-5.70%	-5.2	5.2	-0.045	0.053	0.060	1029.722	1029.920	1029.321	1029.677	1029.973	1029.381	1029.832	1030.128	1029.536
537+100.00	155	454,727.758	6,505,240.507	5.70%	-5.70%	-5.2	5.2	-0.040	0.080	0.028	1028.886	1029.063	1028.522	1028.846	1029.143	1028.55	1029.001	1029.298	1028.705
537+120.00	155	454,712.355	6,505,253.261	5.70%	-5.70%	-5.2	5.2	-0.035	0.058	0.010	1027.978	1028.181	1027.636	1027.943	1028.239	1027.646	1028.098	1028.394	1027.801
537+136.91	155	454,699.819	6,505,264.606	5.70%	-5.70%	-5.2	5.2	-0.035	0.068	-0.008	1027.214	1027.388	1026.899	1027.179	1027.456	1026.891	1027.334	1027.611	1027.046
537+140.00	155	454,697.577	6,505,266.734	5.40%	-5.40%	-5.2	5.2	-0.035	0.080	-0.007	1027.072	1027.240	1026.761	1027.037	1027.32	1026.754	1027.192	1027.475	1026.909
537+160.00	155	454,683.407	6,505,280.847	3.80%	-3.80%	-5.2	5.2	-0.040	0.068	0.028	1026.183	1026.274	1025.917	1026.143	1026.342	1025.945	1026.298	1026.497	1026.1
537+180.00	155	454,669.694	6,505,295.405	2.20%	-2.20%	-5.2	5.2	-0.040	0.102	0.068	1025.248	1025.219	1025.026	1025.208	1025.321	1025.094	1025.363	1025.476	1025.249
537+182.35	155	454,668.106	6,505,297.134	2.00%	-2.00%	-5.2	5.2	-0.041	0.109	0.067	1025.136	1025.087	1024.917	1025.095	1025.196	1024.984	1025.250	1025.351	1025.139
537+200.00	155	454,656.250	6,505,310.212	0.60%	-2.00%	-5.199	5.201	-0.030	0.109	0.021	1024.288	1024.178	1024.133	1024.258	1024.287	1024.154	1024.413	1024.442	1024.309
537+206.91	155	454,651.632	6,505,315.351	0.00%	-2.00%	-5.2	5.2	-0.043	0.094	-0.008	1023.970	1023.833	1023.832	1023.927	1023.927	1023.824	1024.082	1024.082	1023.979
537+220.00	155	454,642.885	6,505,325.090	-1.10%	-2.00%	-5.2	5.2	-0.020	0.075	0.011	1023.321	1023.171	1023.186	1023.301	1023.246	1023.197	1023.456	1023.401	1023.352
537+231.47	155	454,635.220	6,505,333.624	-2.00%	-2.00%	-5.2	5.2	-0.026	0.059	0.000	1022.748	1022.580	1022.618	1022.722	1022.639	1022.618	1022.877	1022.794	1022.773
537+240.00	155	454,629.521	6,505,339.970	-2.00%	-2.00%	-5.2	5.2	-0.020	0.068	-0.016	1022.312	1022.120	1022.204	1022.292	1022.188	1022.188	1022.447	1022.343	1022.343
537+260.00	155	454,616.157	6,505,354.850	-2.00%	-2.00%	-5.2	5.2	-0.020	0.109	-0.002	1021.329	1021.096	1021.207	1021.309	1021.205	1021.205	1021.464	1021.360	1021.36
537+280.00	155	454,602.793	6,505,369.730	-2.00%	-2.00%	-5.2	5.2	-0.025	0.089	0.027	1020.333	1020.115	1020.177	1020.308	1020.204	1020.204	1020.463	1020.359	1020.359
537+300.00	155	454,589.429	6,505,384.609	-2.00%	-2.00%	-5.2	5.2	-0.030	0.056	0.023	1019.358	1019.168	1019.201	1019.328	1019.224	1019.224	1019.483	1019.379	1019.379
537+320.00	155	454,576.065	6,505,399.489	-2.00%	-2.00%	-5.2	5.2	-0.015	0.055	0.048	1018.386	1018.212	1018.219	1018.371	1018.267	1018.267	1018.526	1018.422	1018.422
537+340.00	155	454,562.702	6,505,414.369	-2.00%	-2.00%	-5.2	5.2	-0.015	0.025	0.048	1017.352	1017.208	1017.185	1017.337	1017.233	1017.233	1017.492	1017.388	1017.388
537+360.00	155	454,549.338	6,505,429.249	-2.00%	-2.00%	-5.2	5.2	-0.015	0.002	0.054	1016.345	1016.224	1016.172	1016.330	1016.226	1016.226	1016.485	1016.381	1016.381
537+380.00	155	454,535.974	6,505,444.129	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.002	0.068	1015.420	1015.303	1015.233	1015.405	1015.301	1015.301	1015.560	1015.456	1015.456
537+400.00	155	454,522.610	6,505,459.008	-2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.064	1014.525	1014.400	1014.342	1014.510	1014.406	1014.406	1014.665	1014.561	1014.561
537+420.00	155	454,509.246	6,505,473.888	-2.00%	-2.00%	-5.2	5.2	-0.020	0.011	0.063	1013.652	1013.517	1013.465	1013.632	1013.528	1013.528	1013.787	1013.683	1013.683
537+440.00	155	454,495.882	6,505,488.768	-2.00%	-2.00%	-5.2	5.2	-0.025	0.003	0.053	1012.806	1012.674	1012.624	1012.781	1012.677	1012.677	1012.936	1012.832	1012.832
537+456.62	155	454,484.776	6,505,501.135	-2.00%	-2.00%	-5.2	5.2	-0.019	0.000	0.042	1012.127	1012.004	1011.973	1012.108	1012.004	1012.015	1012.263	1012.159	1012.17
537+460.00	155	454,482.519	6,505,503.648	-2.00%	-1.80%	-5.2	5.2	-0.025	-0.004	0.033	1011.996	1011.871	1011.847	1011.971	1011.867	1011.88	1012.126	1012.022	1012.035
537+480.00	155	454,469.155	6,505,518.528	-2.00%	-0.30%	-5.2	5.2	-0.025	0.018	0.078	1011.264	1011.117	1011.145	1011.239	1011.135	1011.223	1011.394	1011.290	1011.378
537+484.21	155	454,466.343	6,505,521.658	-2.00%	0.00%	-5.2	5.2	-0.025	0.026	0.088	1011.127	1010.972	1011.014	1011.102	1010.998	1011.102	1011.257	1011.153	1011.257
537+500.00	155	454,455.779	6,505,533.396	-2.00%	1.10%	-5.2	5.2	-0.025	0.050	0.126	1010.621	1010.442	1010.530	1010.596	1010.492	1010.656	1010.751	1010.647	1010.811
537+511.79	155	454,447.845	6,505,542.123	-2.00%	2.00%	-5.2	5.2	-0.037	0.039	0.128	1010.246	1010.061	1010.183	1010.209	1010.1	1010.311	1010.364	1010.255	1010.466
537+520.00	155	454,442.284	6,505,548.157	-2.60%	2.60%	-5.2	5.2	-0.040	0.032	0.133	1010.003	1009.796	1009.965	1009.963	1009.828	1010.098	1010.118	1009.983	1010.253
537+540.00	155	454,428.525	6,505,562.672	-4.00%	4.00%	-5.2	5.2	-0.030	0.003	0.148	1009.455	1009.212	1009.488	1009.425	1009.215	1009.636	1009.580	1009.370	1009.791

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
537+560.00	155	454,414.363	6,505,576.793	-5.50%	5.50%	-5.2	5.2	-0.015	-0.035	0.220	1008.910	1008.644	1008.961	1008.895	1008.609	1009.181	1009.050	1008.764	1009.336
537+564.21	155	454,411.320	6,505,579.699	-5.80%	5.80%	-5.2	5.2	-0.016	-0.034	0.210	1008.802	1008.527	1008.859	1008.786	1008.493	1009.069	1008.941	1008.648	1009.224
537+580.00	155	454,399.683	6,505,590.374	-5.80%	5.80%	-7.672	5.2	-0.010	-0.005	0.175	1008.363	1007.913	1008.480	1008.353	1007.908	1008.655	1008.508	1008.063	1008.81
537+600.00	155	454,384.466	6,505,603.350	-5.80%	5.80%	-5.959	5.2	-0.011	-0.004	0.153	1007.869	1007.517	1008.007	1007.858	1007.513	1008.16	1008.013	1007.668	1008.315
537+620.00	155	454,368.737	6,505,615.702	-5.80%	5.80%	-5.65	5.2	-0.035	-0.017	0.111	1007.359	1007.016	1007.515	1007.324	1006.999	1007.626	1007.479	1007.154	1007.781
537+640.00	155	454,352.523	6,505,627.408	-5.80%	5.80%	-5.65	5.2	-0.040	-0.015	0.111	1006.899	1006.549	1007.049	1006.859	1006.534	1007.16	1007.014	1006.689	1007.315
537+660.00	155	454,335.849	6,505,638.449	-5.80%	5.80%	-5.65	5.2	-0.046	-0.022	0.115	1006.387	1006.039	1006.528	1006.341	1006.017	1006.643	1006.496	1006.172	1006.798
537+680.00	155	454,318.742	6,505,648.808	-5.80%	5.80%	-5.65	5.2	-0.050	0.021	0.111	1005.889	1005.493	1006.030	1005.839	1005.514	1006.141	1005.994	1005.669	1006.296
537+700.00	155	454,301.231	6,505,658.468	-5.80%	5.80%	-5.65	8.58	-0.055	0.006	0.077	1005.402	1005.016	1005.767	1005.347	1005.022	1005.844	1005.502	1005.177	1005.999
537+720.00	155	454,283.344	6,505,667.412	-5.80%	5.80%	-5.65	6.769	-0.050	0.026	0.192	1004.890	1004.489	1005.041	1004.840	1004.515	1005.233	1004.995	1004.670	1005.388
537+740.00	155	454,265.110	6,505,675.626	-5.80%	5.80%	-5.65	5.786	-0.040	-0.014	0.073	1004.339	1003.989	1004.562	1004.299	1003.975	1004.635	1004.454	1004.130	1004.79
537+760.00	155	454,246.559	6,505,683.098	-5.80%	5.80%	-5.65	5.65	-0.041	-0.003	0.046	1003.795	1003.433	1004.033	1003.754	1003.43	1004.079	1003.909	1003.585	1004.234
537+780.00	155	454,227.722	6,505,689.814	-5.80%	5.80%	-5.65	5.65	-0.035	-0.014	0.043	1003.249	1002.903	1003.496	1003.214	1002.889	1003.539	1003.369	1003.044	1003.694
537+800.00	155	454,208.629	6,505,695.763	-5.80%	5.80%	-5.65	6.213	-0.035	0.004	0.131	1002.775	1002.411	1002.969	1002.740	1002.415	1003.1	1002.895	1002.570	1003.255
537+804.26	155	454,204.534	6,505,696.930	-5.80%	5.80%	-5.65	6.492	-0.023	0.010	0.133	1002.649	1002.301	1002.857	1002.626	1002.311	1002.99	1002.781	1002.466	1003.145
537+820.00	155	454,189.315	6,505,700.952	-4.70%	4.70%	-5.65	7.125	-0.035	-0.001	0.129	1002.250	1001.955	1002.418	1002.215	1001.954	1002.547	1002.370	1002.109	1002.702
537+840.00	155	454,169.843	6,505,705.513	-3.20%	3.20%	-6.138	5.2	-0.035	0.074	0.057	1001.776	1001.470	1001.850	1001.741	1001.544	1001.907	1001.896	1001.699	1002.062
537+856.67	155	454,153.534	6,505,708.972	-2.00%	2.00%	-6.845	5.2	-0.035	0.317	0.065	1001.336	1000.837	1001.337	1001.301	1001.154	1001.402	1001.456	1001.309	1001.557
537+860.00	155	454,150.273	6,505,709.637	-2.00%	1.80%	-6.983	5.2	-0.035	0.337	0.064	1001.246	1000.735	1001.239	1001.211	1001.072	1001.303	1001.366	1001.227	1001.458
537+880.00	155	454,130.654	6,505,713.521	-2.00%	0.30%	-7.859	5.199	-0.025	0.276	0.041	1000.610	1000.152	1000.560	1000.585	1000.428	1000.601	1000.740	1000.583	1000.756
537+884.26	155	454,126.474	6,505,714.335	-2.00%	0.00%	-8.069	5.2	-0.025	0.134	0.023	1000.454	999.996	1000.406	1000.429	1000.13	1000.429	1000.584	1000.285	1000.584
537+900.00	155	454,111.023	6,505,717.346	-2.00%	-1.10%	-5.368	5.2	-0.025	0.009	-0.006	999.870	999.676	999.791	999.845	999.685	999.785	1000.000	999.840	999.94
537+911.84	155	454,099.397	6,505,719.612	-2.00%	-2.00%	-5.2	5.2	-0.025	0.051	0.027	999.450	999.270	999.312	999.425	999.321	999.339	999.580	999.476	999.494
537+920.00	155	454,091.392	6,505,721.172	-2.00%	-2.00%	-5.2	5.2	-0.025	0.047	0.048	999.161	998.985	998.984	999.136	999.032	999.032	999.291	999.187	999.187
537+940.00	155	454,071.761	6,505,724.997	-2.00%	-2.00%	-5.2	5.2	-0.025	0.004	0.063	998.373	998.240	998.181	998.348	998.244	998.244	998.503	998.399	998.399
537+960.00	155	454,052.131	6,505,728.823	-2.00%	-2.00%	-5.2	5.2	-0.005	0.022	0.124	997.526	997.395	997.293	997.521	997.417	997.417	997.676	997.572	997.572
537+980.00	155	454,032.500	6,505,732.648	-2.00%	-2.00%	-5.2	5.2	0.005	0.036	0.111	996.632	996.497	996.422	996.637	996.533	996.533	996.792	996.688	996.688
538+000.00	155	454,012.869	6,505,736.473	-2.00%	-2.00%	-5.2	5.2	0.005	0.041	0.100	995.673	995.533	995.474	995.678	995.574	995.574	995.833	995.729	995.729
538+020.00	155	453,993.238	6,505,740.299	-2.00%	-2.00%	-5.2	5.2	-0.015	0.040	0.066	994.661	994.502	994.476	994.646	994.542	994.542	994.801	994.697	994.697
538+040.00	155	453,973.608	6,505,744.124	-2.00%	-2.00%	-5.2	5.2	-0.020	0.045	0.060	993.627	993.458	993.443	993.607	993.503	993.503	993.762	993.658	993.658
538+060.00	155	453,953.977	6,505,747.949	-2.00%	-2.00%	-5.2	5.2	-0.020	0.026	0.089	992.529	992.379	992.316	992.509	992.405	992.405	992.664	992.560	992.56
538+080.00	155	453,934.346	6,505,751.775	-2.00%	-2.00%	-5.2	5.2	-0.015	0.026	0.114	991.385	991.240	991.152	991.370	991.266	991.266	991.525	991.421	991.421
538+100.00	155	453,914.715	6,505,755.600	-2.00%	-2.00%	-5.2	5.2	-0.015	0.045	0.096	990.197	990.033	989.982	990.182	990.078	990.078	990.337	990.233	990.233
538+120.00	155	453,895.085	6,505,759.426	-2.00%	-2.00%	-5.2	5.2	-0.010	0.067	0.068	988.936	988.755	988.754	988.926	988.822	988.822	989.081	988.977	988.977
538+140.00	155	453,875.454	6,505,763.251	-2.00%	-2.00%	-5.2	5.2	-0.010	0.048	0.044	987.600	987.438	987.442	987.590	987.486	987.486	987.745	987.641	987.641
538+160.00	155	453,855.823	6,505,767.076	-2.00%	-2.00%	-5.2	5.2	-0.005	0.043	0.046	986.266	986.114	986.111	986.261	986.157	986.157	986.416	986.312	986.312
538+180.00	155	453,836.192	6,505,770.902	-2.00%	-2.00%	-7.167	5.2	-0.005	0.007	0.053	984.890	984.734	984.728	984.885	984.741	984.781	985.040	984.896	984.936
538+200.00	155	453,816.562	6,505,774.727	-2.00%	-2.00%	-5.93	5.2	-0.005	-0.046	0.034	983.534	983.457	983.391	983.529	983.411	983.425	983.684	983.566	983.58
538+220.00	155	453,796.931	6,505,778.552	-2.00%	-2.00%	-5.65	5.2	-0.005	0.035	0.036	982.226	982.074	982.081	982.221	982.109	982.117	982.376	982.264	982.272
538+240.00	155	453,777.300	6,505,782.378	-2.00%	-2.00%	-5.65	5.2	-0.004	0.049	0.042	980.894	980.728	980.743	980.890	980.777	980.785	981.045	980.932	980.94
538+260.00	155	453,757.669	6,505,786.203	-2.00%	-2.00%	-5.65	5.2	-0.010	0.035	0.044	979.613	979.456	979.455	979.603	979.491	979.499	979.758	979.646	979.654
538+280.00	155	453,738.039	6,505,790.029	-2.00%	-2.00%	-5.65	5.2	-0.010	0.054	0.015	978.307	978.131	978.178	978.297	978.185	978.193	978.452	978.340	978.348
538+300.00	155	453,718.408	6,505,793.854	-2.00%	-2.00%	-5.65	5.2	-0.010	0.071	0.020	977.003	976.810	976.869	976.993	976.881	976.889	977.148	977.036	977.044
538+320.00	125	453,698.777	6,505,797.679	-2.00%	-2.00%	-5.65	5.2	-0.010	0.044	0.029	975.706	975.540	975.563	975.696	975.584	975.592	975.821	975.709	975.717
538+340.00	125	453,679.146	6,505,801.505	-2.00%	-2.00%	-5.65	5.2	-0.010	0.019	0.035	974.434	974.293	974.285	974.424	974.312	974.32	974.549	974.437	974.445
538+360.00	125	453,659.516	6,505,805.330	-2.00%	-2.00%	-5.65	5.2	-0.005	0.047	0.050	973.139	972.975	972.980	973.134	973.022	973.03	973.259	973.147	973.155
538+380.00	125	453,639.885	6,505,809.155	-2.00%	-2.00%	-5.65	5.2	-0.005	0.061	0.023	971.833	971.655	971.701	971.828	971.716	971.724	971.953	971.841	971.849
538+400.00	125	453,620.254	6,505,812.981	-2.00%	-2.00%	-5.65	5.2	-0.005	0.013	0.008	970.524	970.394	970.407	970.519	970.407	970.415	970.644	970.532	970.54
538+420.00	125	453,600.623	6,505,816.806	-2.00%	-2.00%	-5.65	5.2	0.000	-0.097	0.055	969.216	969.079	969.057	969.216	968.982	969.112	969.341	969.107	969.237
538+440.00	125	453,580.992	6,505,820.631	-2.00%	-2.00%	-5.65	5.2	0.000	-0.095	0.032	967.872	967.733	967.736	967.872	967.638	967.768	967.997	967.763	967.893
538+460.00	125	453,561.362	6,505,824.457	-2.00%	-2.00%	-5.65	5.2	0.005	-0.103	0.006	966.538	966.413	966.433	966.543	966.31	966.439	966.668	966.435	966.564
538+480.00	125	453,541.731	6,505,828.282	-2.00%	-2.00%	-5.65	5.2	0.005	-0.073	-0.004	965.226	965.071	965.131	965.231	964.998	965.127	965.356	965.123	965.252
538+500.00	125	453,522.100	6,505,832.108	-2.00%	-2.00%	-5.65	5.2	0.005	-0.040	0.016	963.951	963.874	963.836	963.956	963.834	963.852	964.081	963.959	963.977
538+520.00	125	453,502.469	6,505,835.933	-2.00%	-2.00%	-6.407	5.2	-0.005	-0.010	-0.008	962.670	962.547	962.569	962.665	962.537	962.561	962.790	962.662	962.686
538+539.62	125	453,483.209	6,505,839.686	-2.00%	-2.00%	-7.467	5.2	-0.004	0.037	-0.051	961.389	961.198	961.333	961.385	961.235	961.282	961.510	961.360	961.407
538+540.00	125	453,482.839	6,505,839.758	-2.00%	-2.00%	-7.487	5.2	-0.005	0.036	-0.052	961.365	961.174	961.309	961.360	961.21	961.257	961.485	961.335	961.382
538+560.00	125	453,463.208	6,505,843.584	-2.00%	-0.50%	-8.193	5.2	-0.015	0.154	-0.025	960.090	959.757	960.072	960.075	959.911	960.047	960.200	960.036	960.172
538+567.21	125	453,456.132	6,505,844.963	-2.00%	0.00%	-6.416	5.2	-0.022	0.125	-0.014	959.635	959.359	959.627	959.613	959.484	959.613	959.738	959.609	959.738
538+580.00	125	453,443.576	6,505,847.400	-2.00%	0.90%	-5.2	5.2	-0.025	0.089	0.024	958.834	958.616	958.833	958.809	958.705	958.857	958.934	958.830	958.982
538+594.80	125	453,429.039	6,505,850.152	-2.00%	2.00%	-5.2	5.2	-0.039	0.145	0.035	957.907	957.610	957.934	957.868	957.755	957.969	957.993	957.880	958.094
538+600.00	125	453,423.919	6,505,851.089	-2.40%	2.40%	-5.2	5.2	-0.030	0.150	0.047	957.555	957.251	957.601	957.525	957.401	957.648	957.650	957.526	957.773
538+620.00	125	453,404.204	6,505,854.451	-3.80%	3.80%	-5.2	5.2	-0.040	0.089	0.053	956.163	955.825	956.259	956.123	955.914	956.312	956.248	956.039	956.437

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
538+640.00	125	453,384.407	6,505,857.286	-5.30%	5.30%	-5.2	5.2	-0.050	0.029	0.091	954.716	954.363	954.849	954.666	954.392	954.94	954.791	954.517	955.065
538+647.21	125	453,377.248	6,505,858.140	-5.80%	5.80%	-5.2	5.2	-0.041	0.007	0.099	954.198	953.856	954.344	954.157	953.863	954.443	954.282	953.988	954.568
538+660.00	125	453,364.520	6,505,859.401	-5.80%	5.80%	-5.2	5.2	-0.046	0.008	0.093	953.308	952.953	953.471	953.262	952.961	953.564	953.387	953.086	953.689
538+680.00	125	453,344.564	6,505,860.712	-5.80%	5.80%	-5.2	7.969	-0.045	0.036	0.314	951.896	951.513	951.999	951.851	951.549	952.313	951.976	951.674	952.438
538+700.00	125	453,324.572	6,505,861.216	-5.80%	5.80%	-5.2	6.792	-0.047	0.043	0.110	950.441	950.050	950.679	950.394	950.093	950.789	950.519	950.218	950.914
538+720.00	125	453,304.576	6,505,860.912	-5.80%	5.80%	-5.2	5.818	-0.040	0.003	0.121	948.983	948.638	949.159	948.943	948.641	949.28	949.068	948.766	949.405
538+740.00	125	453,284.608	6,505,859.800	-5.80%	5.80%	-5.2	5.65	-0.042	0.022	0.100	947.501	947.137	947.685	947.459	947.159	947.785	947.584	947.284	947.91
538+760.00	125	453,264.701	6,505,857.883	-5.80%	5.80%	-5.2	5.65	-0.035	0.007	0.121	945.978	945.634	946.146	945.943	945.641	946.267	946.068	945.766	946.392
538+780.00	125	453,244.889	6,505,855.163	-5.80%	5.80%	-5.2	5.65	-0.037	0.004	0.096	944.425	944.084	944.618	944.388	944.088	944.714	944.513	944.213	944.839
538+800.00	125	453,225.202	6,505,851.646	-5.80%	5.80%	-5.2	5.65	-0.035	0.014	0.106	942.841	942.490	943.025	942.806	942.504	943.131	942.931	942.629	943.256
538+820.00	125	453,205.673	6,505,847.335	-5.80%	5.80%	-5.2	5.65	-0.037	0.042	0.089	941.181	940.801	941.381	941.144	940.843	941.47	941.269	940.968	941.595
538+840.00	125	453,186.335	6,505,842.240	-5.80%	5.80%	-5.2	5.65	-0.035	-0.006	0.075	939.489	939.158	939.704	939.454	939.152	939.779	939.579	939.277	939.904
538+860.00	125	453,167.217	6,505,836.368	-5.80%	5.80%	-5.2	5.65	-0.031	-0.013	0.080	937.846	937.527	938.060	937.815	937.514	938.14	937.940	937.639	938.265
538+880.00	125	453,148.353	6,505,829.728	-5.80%	5.80%	-5.2	5.65	-0.031	0.014	0.095	936.223	935.877	936.422	936.192	935.891	936.517	936.317	936.016	936.642
538+900.00	125	453,129.773	6,505,822.332	-5.80%	5.80%	-5.2	5.65	-0.031	-0.035	0.002	934.624	934.327	934.916	934.593	934.292	934.918	934.718	934.417	935.043
538+920.00	125	453,111.506	6,505,814.191	-5.80%	5.80%	-6.952	5.65	-0.001	-0.042	-0.001	932.950	932.588	933.275	932.949	932.546	933.274	933.074	932.671	933.399
538+940.00	125	453,093.583	6,505,805.319	-5.80%	5.80%	-5.788	5.65	-0.001	-0.015	0.048	931.213	930.892	931.490	931.212	930.877	931.538	931.337	931.002	931.663
538+960.00	125	453,076.033	6,505,795.730	-5.80%	5.80%	-5.65	5.65	-0.001	0.036	-0.015	929.636	929.275	929.975	929.635	929.311	929.96	929.760	929.436	930.085
538+980.00	125	453,058.885	6,505,785.440	-5.80%	5.80%	-5.65	5.65	-0.006	0.085	-0.038	928.314	927.899	928.672	928.308	927.984	928.634	928.433	928.109	928.759
539+000.00	125	453,042.166	6,505,774.466	-5.80%	5.80%	-5.65	5.65	-0.006	0.067	-0.041	927.038	926.641	927.398	927.032	926.708	927.357	927.157	926.833	927.482
539+020.00	125	453,025.904	6,505,762.825	-5.80%	5.80%	-5.65	5.65	-0.011	0.017	-0.024	925.761	925.409	926.099	925.750	925.426	926.075	925.875	925.551	926.2
539+040.00	125	453,010.126	6,505,750.538	-5.80%	5.80%	-5.65	5.65	-0.012	0.015	0.013	924.490	924.139	924.791	924.478	924.154	924.804	924.603	924.279	924.929
539+060.00	125	452,994.857	6,505,737.622	-5.80%	5.80%	-5.65	5.65	-0.010	0.015	0.014	923.233	922.883	923.534	923.223	922.898	923.548	923.348	923.023	923.673
539+080.00	125	452,980.122	6,505,724.101	-5.80%	5.80%	-5.65	5.65	-0.017	0.038	-0.058	922.063	921.684	922.430	922.046	921.722	922.372	922.171	921.847	922.497
539+100.00	125	452,965.945	6,505,709.996	-5.80%	5.80%	-5.65	5.65	-0.015	0.049	0.002	920.931	920.542	921.238	920.916	920.591	921.24	921.041	920.716	921.365
539+120.00	125	452,952.350	6,505,695.329	-5.80%	5.80%	-5.65	5.65	-0.027	0.064	-0.020	919.752	919.337	920.071	919.725	919.401	920.051	919.850	919.526	920.176
539+140.00	125	452,939.358	6,505,680.125	-5.80%	5.80%	-5.65	5.65	-0.026	0.064	-0.014	918.622	918.208	918.935	918.596	918.272	918.921	918.721	918.397	919.046
539+160.00	125	452,926.991	6,505,664.409	-5.80%	5.80%	-5.65	5.65	-0.022	0.020	0.032	917.598	917.232	917.869	917.576	917.252	917.901	917.701	917.377	918.026
539+164.65	125	452,924.205	6,505,660.681	-5.80%	5.80%	-5.65	5.65	0.000	0.036	0.037	917.357	917.006	917.624	917.357	917.042	917.661	917.482	917.167	917.786
539+180.00	125	452,915.256	6,505,648.215	-4.70%	4.70%	-5.65	5.65	0.015	0.106	-0.027	916.691	916.337	916.995	916.706	916.443	916.968	916.831	916.568	917.093
539+200.00	125	452,904.056	6,505,631.646	-3.20%	3.20%	-5.65	5.65	0.045	0.186	-0.025	915.903	915.580	916.154	915.948	915.766	916.129	916.073	915.891	916.254
539+217.07	125	452,894.802	6,505,617.306	-2.00%	2.00%	-5.65	5.849	0.045	0.243	-0.024	915.265	914.946	915.459	915.310	915.189	915.435	915.435	915.314	915.56
539+220.00	125	452,893.232	6,505,614.828	-2.00%	2.00%	-5.65	5.998	0.045	0.261	-0.016	915.159	914.831	915.340	915.204	915.092	915.324	915.329	915.217	915.449
539+240.00	125	452,882.618	6,505,597.877	-2.00%	2.00%	-5.6501	7.123	0.045	0.228	0.034	914.491	914.196	914.644	914.536	914.424	914.678	914.661	914.549	914.803
539+244.65	125	452,880.160	6,505,593.925	-2.00%	2.00%	-5.65	7.42	0.037	0.226	0.018	914.362	914.061	914.484	914.399	914.287	914.502	914.524	914.412	914.627
539+260.00	125	452,872.057	6,505,580.893	-2.00%	0.90%	-6.321	8.5	-0.010	0.183	0.089	913.884	913.564	913.860	913.874	913.747	913.949	913.999	913.872	914.074
539+280.00	125	452,861.496	6,505,563.909	-2.00%	-0.60%	-7.481	7.42	-0.010	0.147	0.119	913.240	912.933	913.069	913.230	913.08	913.188	913.355	913.205	913.313
539+299.83	125	452,851.026	6,505,547.070	-2.00%	-2.00%	-7.671	6.349	-0.010	0.035	-0.030	912.593	912.395	912.487	912.583	912.43	912.457	912.708	912.555	912.582
539+300.00	125	452,850.935	6,505,546.924	-2.00%	-2.00%	-7.608	6.339	-0.010	0.034	-0.030	912.588	912.392	912.481	912.578	912.426	912.451	912.703	912.551	912.576
539+310.64	125	452,845.315	6,505,537.885	-2.00%	-2.00%	-5.2	5.765	-0.012	-0.013	-0.021	912.243	912.152	912.136	912.231	912.139	912.115	912.356	912.264	912.24
539+320.00	125	452,840.374	6,505,529.940	-1.20%	-2.00%	-5.2	5.65	-0.015	-0.006	0.008	911.963	911.890	911.828	911.948	911.884	911.836	912.073	912.009	911.961
539+340.00	125	452,829.813	6,505,512.955	0.40%	-2.00%	-5.2	5.65	-0.015	0.028	0.034	911.358	911.335	911.197	911.343	911.363	911.231	911.468	911.488	911.356
539+359.77	125	452,819.376	6,505,496.170	2.00%	-2.00%	-5.2	5.65	-0.015	0.058	0.028	910.746	910.776	910.591	910.731	910.834	910.619	910.856	910.959	910.744
539+360.00	125	452,819.253	6,505,495.971	2.00%	-2.00%	-5.2	5.65	-0.015	0.059	0.029	910.739	910.769	910.583	910.724	910.828	910.612	910.849	910.953	910.737
539+380.00	125	452,808.660	6,505,479.006	2.00%	-2.00%	-5.2	5.65	-0.010	0.042	0.076	910.102	910.154	909.904	910.092	910.196	909.98	910.217	910.321	910.105
539+384.33	125	452,806.350	6,505,475.347	2.00%	-2.00%	-5.2	5.65	-0.010	0.042	0.086	909.963	910.022	909.743	909.953	910.064	909.829	910.078	910.189	909.954
539+400.00	125	452,797.883	6,505,462.158	3.30%	-3.30%	-5.2	5.65	-0.010	0.059	0.081	909.446	909.548	909.172	909.436	909.607	909.253	909.561	909.732	909.378
539+420.00	125	452,786.744	6,505,445.549	4.90%	-4.90%	-5.2	5.65	-0.015	0.061	0.036	908.770	908.949	908.444	908.755	909.01	908.48	908.880	909.135	908.605
539+429.77	125	452,781.121	6,505,437.564	5.70%	-5.70%	-5.2	5.65	-0.015	0.050	-0.002	908.429	908.659	908.098	908.414	908.709	908.096	908.539	908.834	908.221
539+440.00	125	452,775.076	6,505,429.307	5.70%	-5.70%	-5.2	5.65	-0.015	0.034	-0.005	908.090	908.338	907.761	908.075	908.372	907.756	908.200	908.497	907.881
539+460.00	125	452,762.806	6,505,413.514	5.70%	-5.70%	-5.2	5.65	-0.020	0.023	-0.010	907.426	907.679	907.097	907.406	907.702	907.087	907.531	907.827	907.212
539+480.00	125	452,749.949	6,505,398.195	5.70%	-5.70%	-5.2	5.65	-0.020	0.024	0.001	906.766	907.018	906.426	906.746	907.042	906.427	906.871	907.167	906.552
539+500.00	125	452,736.524	6,505,383.373	5.70%	-5.70%	-5.2	5.65	-0.020	0.044	-0.019	906.113	906.345	905.793	906.093	906.389	905.774	906.218	906.514	905.899
539+501.35	125	452,735.600	6,505,382.393	5.70%	-5.70%	-5.2	5.65	-0.020	0.041	-0.017	906.071	906.298	905.753	906.051	906.339	905.736	906.176	906.464	905.861
539+520.00	125	452,722.569	6,505,369.047	4.60%	-4.60%	-5.2	5.65	-0.015	0.057	-0.001	905.475	905.640	905.205	905.460	905.697	905.204	905.585	905.822	905.329
539+540.00	125	452,708.223	6,505,355.112	3.40%	-3.40%	-5.2	5.65	-0.015	0.083	-0.010	904.829	904.905	904.636	904.814	904.988	904.626	904.939	905.113	904.751
539+560.00	125	452,693.644	6,505,341.421	2.10%	-2.10%	-5.2	5.65	-0.015	0.064	-0.007	904.175	904.207	904.047	904.160	904.271	904.04	904.285	904.396	904.165
539+580.00	125	452,678.979	6,505,327.822	0.90%	-0.90%	-5.2	5.65	-0.015	0.052	0.035	903.532	903.513	903.430	903.517	903.565	903.465	903.642	903.690	903.59
539+600.00	125	452,664.309	6,505,314.228	-0.30%	0.30%	-5.2	5.65	-0.015	0.075	0.006	902.893	902.788	902.888	902.878	902.863	902.894	903.003	902.988	903.019
539+620.00	125	452,649.641	6,505,300.632	-1.50%	1.50%	-5.201	5.599	-0.015	0.135	-0.036	902.280	902.052	902.386	902.265	902.187	902.35	902.390	902.312	902.475
539+640.00	125	452,635.036	6,505,286.969	-2.70%	2.70%	-5.2	5.65	-0.015	0.065	-0.018	901.617	901.396	901.773	901.602	901.461	901.755	901.727	901.586	901.88
539+660.00	125	452,620.639	6,505,273.086	-3.90%	3.90%	-5.2	5.65	-0.015	0.034	0.029	900.982	900.728	901.158	900.967	900.762	901.187	901.092	900.887	901.312

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
539+680.00	125	452,606.608	6,505,258.835	-5.20%	5.20%	-7.231	5.65	0.005	-0.020	0.062	900.292	899.944	900.524	900.297	899.924	900.586	900.422	900.049	900.711
539+692.24	125	452,598.276	6,505,249.876	-5.90%	5.90%	-6.751	5.65	0.031	-0.027	0.078	899.856	899.523	900.126	899.887	899.496	900.204	900.012	899.621	900.329
539+700.00	125	452,593.110	6,505,244.079	-5.90%	5.90%	-6.286	5.65	0.030	-0.028	0.078	899.572	899.259	899.854	899.602	899.231	899.932	899.727	899.356	900.057
539+720.00	125	452,580.259	6,505,228.756	-5.90%	5.90%	-5.65	5.65	0.030	-0.028	0.108	898.905	898.633	899.157	898.935	898.605	899.265	899.060	898.730	899.39
539+740.00	125	452,568.087	6,505,212.889	-5.90%	5.90%	-5.65	5.65	0.020	-0.030	0.092	898.206	897.925	898.464	898.226	897.895	898.556	898.351	898.020	898.681
539+760.00	125	452,556.616	6,505,196.507	-5.90%	5.90%	-5.65	5.65	0.020	-0.028	0.077	897.450	897.168	897.723	897.470	897.14	897.8	897.595	897.265	897.925
539+780.00	125	452,545.868	6,505,179.643	-5.90%	5.90%	-5.65	5.65	0.000	-0.026	0.030	896.703	896.399	897.004	896.703	896.373	897.034	896.828	896.498	897.159
539+800.00	125	452,535.863	6,505,162.327	-5.90%	5.90%	-5.65	5.65	0.000	-0.047	0.081	896.065	895.782	896.315	896.065	895.735	896.396	896.190	895.860	896.521
539+820.00	125	452,526.620	6,505,144.593	-5.90%	5.90%	-5.65	5.65	0.000	-0.030	0.088	895.487	895.187	895.729	895.487	895.157	895.817	895.612	895.282	895.942
539+840.00	125	452,518.156	6,505,126.474	-5.90%	5.90%	-5.65	5.65	0.000	-0.026	0.077	894.917	894.613	895.171	894.917	894.587	895.248	895.042	894.712	895.373
539+860.00	125	452,510.488	6,505,108.004	-5.90%	5.90%	-5.65	5.65	-0.005	-0.027	0.019	894.321	894.013	894.628	894.316	893.986	894.647	894.441	894.111	894.772
539+871.03	125	452,506.606	6,505,097.682	-5.90%	5.90%	-5.65	5.6506	-0.006	0.008	0.019	894.012	893.671	894.314	894.006	893.679	894.333	894.131	893.804	894.458
539+880.00	125	452,503.628	6,505,089.219	-5.20%	5.20%	-5.659	5.923	-0.006	0.076	-0.001	893.751	893.371	894.057	893.745	893.447	894.056	893.870	893.572	894.181
539+900.00	125	452,497.491	6,505,070.185	-3.80%	3.80%	-7.163	7.165	-0.010	0.132	-0.036	893.082	892.671	893.378	893.072	892.803	893.342	893.197	892.928	893.467
539+920.00	125	452,491.884	6,505,050.987	-2.30%	2.30%	-8.087	8.309	-0.030	0.248	-0.027	892.342	891.878	892.529	892.312	892.126	892.502	892.437	892.251	892.627
539+923.91	125	452,490.832	6,505,047.222	-2.00%	2.00%	-8.223	8.566	-0.030	0.247	-0.013	892.194	891.748	892.352	892.164	891.995	892.339	892.289	892.120	892.464
539+940.00	125	452,486.601	6,505,031.697	-2.00%	2.00%	-6.687	7.756	-0.050	0.088	0.106	891.582	891.310	891.581	891.532	891.398	891.687	891.657	891.523	891.812
539+951.03	125	452,483.752	6,505,021.044	-2.00%	2.00%	-5.2	7.166	-0.050	0.069	0.084	891.110	890.887	891.115	891.060	890.956	891.199	891.185	891.081	891.324
539+960.00	125	452,481.438	6,505,012.375	-2.00%	1.30%	-5.2	6.693	-0.025	0.110	0.058	890.718	890.479	890.724	890.693	890.589	890.782	890.818	890.714	890.907
539+980.00	125	452,476.280	6,504,993.052	-2.00%	-0.10%	-5.2	5.6537	-0.025	0.094	0.009	889.796	889.573	889.754	889.771	889.667	889.763	889.896	889.792	889.888
540+000.00	125	452,471.123	6,504,973.728	-2.00%	-1.60%	-5.2	5.65	-0.055	0.070	-0.063	888.832	888.603	888.750	888.777	888.673	888.687	888.932	888.828	888.842
540+020.00	155	452,465.965	6,504,954.405	-2.00%	-2.00%	-5.2	5.65	0.005	0.097	-0.025	887.789	887.593	887.707	887.794	887.69	887.682	887.949	887.845	887.837
540+040.00	155	452,460.807	6,504,935.081	-2.00%	-2.00%	-5.2	5.65	-0.005	0.076	-0.028	886.675	886.490	886.586	886.670	886.566	886.558	886.825	886.721	886.713
540+060.00	155	452,455.649	6,504,915.758	-2.00%	-2.00%	-5.2	6.004	-0.005	0.007	0.015	885.494	885.378	885.354	885.489	885.385	885.369	885.644	885.540	885.524
540+065.48	155	452,454.236	6,504,910.463	-2.00%	-2.00%	-5.2	6.342	-0.003	0.001	0.042	885.168	885.077	884.996	885.165	885.078	885.038	885.320	885.233	885.193
540+080.00	155	452,450.492	6,504,896.434	-0.80%	-2.00%	-5.2	7.24	-0.005	0.039	0.046	884.312	884.226	884.116	884.307	884.265	884.162	884.462	884.420	884.317
540+089.62	155	452,448.011	6,504,887.142	0.00%	-2.00%	-5.2	6.692	-0.005	0.054	0.034	883.718	883.659	883.545	883.713	883.713	883.579	883.868	883.868	883.734
540+100.00	155	452,445.328	6,504,877.112	0.90%	-2.00%	-5.2	5.2	-0.005	0.033	0.021	883.038	883.044	882.908	883.033	883.077	882.929	883.188	883.232	883.084
540+113.76	155	452,441.704	6,504,863.842	2.00%	-2.00%	-5.2	5.2	-0.015	0.030	0.082	882.125	882.180	881.914	882.110	882.21	881.996	882.265	882.365	882.151
540+120.00	155	452,440.011	6,504,857.832	2.50%	-2.50%	-5.2	5.2	-0.015	0.039	0.096	881.707	881.784	881.465	881.692	881.823	881.561	881.847	881.978	881.716
540+140.00	155	452,434.267	6,504,838.676	4.20%	-4.20%	-5.2	5.2	-0.030	0.079	0.021	880.274	880.382	880.006	880.244	880.461	880.027	880.399	880.616	880.182
540+159.62	155	452,427.952	6,504,820.103	5.80%	-5.80%	-5.2	5.2	-0.030	0.130	-0.021	878.806	878.944	878.497	878.776	879.074	878.476	878.931	879.229	878.631
540+160.00	155	452,427.821	6,504,819.745	5.80%	-5.80%	-5.2	5.2	-0.030	0.133	-0.023	878.777	878.916	878.468	878.747	879.049	878.445	878.902	879.204	878.6
540+180.00	155	452,420.455	6,504,801.153	5.80%	-5.80%	-5.2	5.2	-0.030	0.099	0.027	877.283	877.456	876.925	877.253	877.555	876.952	877.408	877.710	877.107
540+200.00	155	452,412.146	6,504,782.963	5.80%	-5.80%	-5.2	5.2	-0.030	0.091	0.042	875.738	875.919	875.364	875.708	876.01	875.406	875.863	876.165	875.561
540+220.00	155	452,402.916	6,504,765.223	5.80%	-5.80%	-5.2	5.2	-0.030	0.080	0.030	874.118	874.309	873.756	874.088	874.389	873.786	874.243	874.544	873.941
540+240.00	155	452,392.789	6,504,747.979	5.80%	-5.80%	-5.2	5.2	-0.030	0.105	0.011	872.513	872.680	872.171	872.483	872.785	872.182	872.638	872.940	872.337
540+260.00	155	452,381.790	6,504,731.277	5.80%	-5.80%	-5.2	5.2	-0.030	0.101	0.002	870.924	871.095	870.591	870.894	871.196	870.593	871.049	871.351	870.748
540+280.00	155	452,369.951	6,504,715.161	5.80%	-5.80%	-5.2	5.2	-0.025	0.086	0.008	869.337	869.528	869.003	869.312	869.614	869.011	869.467	869.769	869.166
540+300.00	155	452,357.300	6,504,699.673	5.80%	-5.80%	-7.118	5.2	-0.010	-0.070	0.028	867.744	868.217	867.405	867.734	868.147	867.433	867.889	868.302	867.588
540+308.56	155	452,351.643	6,504,693.242	5.80%	-5.80%	-6.425	5.2	-0.031	0.057	0.037	867.059	867.337	866.695	867.028	867.394	866.732	867.183	867.549	866.887
540+320.00	155	452,343.879	6,504,684.847	4.80%	-4.80%	-5.792	5.2	-0.035	0.013	0.112	866.149	866.379	865.753	866.114	866.392	865.865	866.269	866.547	866.02
540+340.00	155	452,329.837	6,504,670.607	3.00%	-3.00%	-5.65	5.2	0.001	-0.015	0.086	864.570	864.755	864.328	864.571	864.74	864.414	864.726	864.895	864.569
540+360.00	155	452,315.397	6,504,656.770	1.20%	-1.20%	-5.65	5.2	0.000	-0.028	0.121	863.021	863.119	862.835	863.021	863.091	862.956	863.176	863.246	863.111
540+380.00	155	452,300.770	6,504,643.129	-0.50%	0.50%	-5.65	5.2	0.015	-0.042	0.167	861.513	861.540	861.388	861.528	861.498	861.555	861.683	861.653	861.71
540+400.00	155	452,286.146	6,504,629.487	-2.30%	2.30%	-5.65	5.6556	-0.015	0.006	0.092	859.994	859.844	860.001	859.979	859.85	860.093	860.134	860.005	860.248
540+420.00	155	452,271.713	6,504,615.642	-4.10%	4.10%	-5.65	7.958	-0.030	-0.013	0.061	858.588	858.343	858.820	858.558	858.33	858.881	858.713	858.485	859.036
540+440.00	155	452,257.680	6,504,601.394	-5.80%	5.80%	-5.65	6.387	-0.025	-0.038	0.090	857.319	857.005	857.576	857.294	856.967	857.666	857.449	857.122	857.821
540+440.82	155	452,257.119	6,504,600.801	-5.90%	5.90%	-5.65	6.339	-0.025	-0.039	0.089	857.269	856.957	857.525	857.244	856.918	857.614	857.399	857.073	857.769
540+460.00	155	452,244.239	6,504,586.586	-5.90%	5.90%	-5.65	5.6543	-0.025	-0.018	0.062	856.107	855.770	856.353	856.082	855.752	856.415	856.237	855.907	856.57
540+480.00	155	452,231.454	6,504,571.208	-5.90%	5.90%	-5.65	5.65	-0.025	-0.032	0.084	854.964	854.641	855.186	854.939	854.609	855.27	855.094	854.764	855.425
540+500.00	155	452,219.349	6,504,555.288	-5.90%	5.90%	-5.65	5.65	0.020	-0.042	0.155	853.947	853.678	854.142	853.967	853.636	854.297	854.122	853.791	854.452
540+520.00	155	452,207.949	6,504,538.858	-5.90%	5.90%	-5.65	5.65	0.030	-0.049	0.227	853.007	852.755	853.140	853.037	852.706	853.367	853.192	852.861	853.522
540+524.94	155	452,205.246	6,504,534.729	-5.90%	5.90%	-5.65	5.65	0.030	-0.051	0.220	852.784	852.544	852.904	852.814	852.493	853.124	852.969	852.648	853.279
540+540.00	155	452,197.255	6,504,521.958	-4.80%	4.80%	-5.65	5.65	0.030	-0.042	0.237	852.123	851.924	852.187	852.153	851.882	852.424	852.308	852.037	852.579
540+560.00	155	452,187.116	6,504,504.719	-3.40%	3.40%	-5.65	5.65	-0.005	-0.015	0.156	851.345	851.163	851.375	851.340	851.148	851.531	851.495	851.303	851.686
540+580.00	155	452,177.290	6,504,487.300	-2.00%	2.00%	-5.6501	6.489	-0.035	0.065	0.062	850.689	850.476	850.722	850.654	850.541	850.784	850.809	850.696	850.939
540+600.00	155	452,167.541	6,504,469.837	-0.60%	0.60%	-5.65	6.632	-0.040	0.091	0.041	850.126	849.962	850.085	850.086	850.053	850.126	850.241	850.208	850.281
540+620.00	155	452,157.752	6,504,452.396	0.80%	-0.80%	-5.65	5.2	-0.035	0.073	0.074	849.651	849.589	849.500	849.616	849.662	849.574	849.771	849.817	849.729
540+640.00	155	452,147.870	6,504,435.008	2.20%	-2.20%	-5.65	5.2	-0.030	0.078	0.025	849.208	849.225	849.037	849.178	849.303	849.062	849.333	849.458	849.217
540+645.21	155	452,145.271	6,504,430.488	2.60%	-2.60%	-5.65	5.2	-0.018	0.074	0.031	849.095	849.137	848.920	849.077	849.211	848.951	849.232	849.366	849.106
540+660.00	155	452,137.843	6,504,417.703	2.60%	-2.60%	-5.65	5.2	-0.030	0.056	0.069	848.849	848.909	848.615	848.819	848.965	848.684	848.974	849.120	848.839

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
540+680.00	155	452,127.657	6,504,400.492	2.60%	-2.60%	-5.65	5.2	-0.030	0.040	0.071	848.550	848.625	848.313	848.520	848.665	848.384	848.675	848.820	848.539
540+700.00	155	452,117.310	6,504,383.376	2.60%	-2.60%	-5.65	5.2	-0.030	0.029	0.044	848.297	848.383	848.088	848.267	848.412	848.132	848.422	848.567	848.287
540+720.00	155	452,106.805	6,504,366.357	2.60%	-2.60%	-5.65	5.2	-0.050	0.057	0.033	848.150	848.189	847.932	848.100	848.246	847.965	848.255	848.401	848.12
540+740.00	155	452,096.142	6,504,349.437	2.60%	-2.60%	-5.65	5.2	-0.050	0.095	0.069	848.140	848.140	847.886	848.090	848.235	847.955	848.245	848.390	848.11
540+760.00	155	452,085.322	6,504,332.616	2.60%	-2.60%	-5.65	5.2	-0.025	0.156	0.025	848.090	848.055	847.905	848.065	848.211	847.93	848.220	848.366	848.085
540+780.00	155	452,074.346	6,504,315.897	2.60%	-2.60%	-5.65	5.2	-0.045	0.154	-0.012	848.126	848.072	847.957	848.081	848.226	847.945	848.236	848.381	848.1
540+800.00	155	452,063.215	6,504,299.281	2.60%	-2.60%	-5.65	5.2	-0.045	0.108	-0.002	848.255	848.248	848.077	848.210	848.356	848.075	848.365	848.511	848.23
540+820.00	155	452,051.930	6,504,282.769	2.60%	-2.60%	-5.65	5.2	-0.025	0.064	0.015	848.500	848.557	848.325	848.475	848.621	848.34	848.630	848.776	848.495
540+840.00	155	452,040.492	6,504,266.363	2.60%	-2.60%	-5.65	5.2	-0.025	0.042	0.033	848.861	848.939	848.668	848.836	848.981	848.701	848.991	849.136	848.856
540+860.00	155	452,028.902	6,504,250.064	2.60%	-2.60%	-5.65	5.2	-0.020	0.049	0.032	849.188	849.264	849.001	849.168	849.313	849.033	849.323	849.468	849.188
540+880.00	155	452,017.161	6,504,233.873	2.60%	-2.60%	-5.65	5.2	-0.020	0.031	0.016	849.476	849.570	849.305	849.456	849.601	849.321	849.611	849.756	849.476
540+900.00	155	452,005.269	6,504,217.792	2.60%	-2.60%	-5.6524	5.2	-0.020	0.009	0.062	849.769	849.886	849.551	849.749	849.895	849.613	849.904	850.050	849.768
540+920.00	155	451,993.229	6,504,201.823	2.60%	-2.60%	-6.652	5.2	-0.005	0.029	0.097	850.009	850.148	849.772	850.004	850.177	849.869	850.159	850.332	850.024
540+940.00	155	451,981.040	6,504,185.966	2.60%	-2.60%	-7.868	5.2	-0.020	0.179	0.095	850.207	850.212	849.956	850.187	850.391	850.051	850.342	850.546	850.206
540+940.42	155	451,980.784	6,504,185.637	2.60%	-2.60%	-7.895	5.2	-0.020	0.181	0.097	850.211	850.214	849.960	850.191	850.395	850.057	850.346	850.550	850.212
540+954.26	155	451,972.260	6,504,174.726	2.00%	-2.00%	-8.445	5.2	-0.026	-0.175	0.118	850.345	850.417	850.092	850.319	850.242	850.21	850.474	850.397	850.365
540+960.00	155	451,968.712	6,504,170.218	1.80%	-2.00%	-6.972	5.2	-0.020	0.041	0.138	850.385	850.446	850.123	850.365	850.487	850.261	850.520	850.642	850.416
540+980.00	155	451,956.286	6,504,154.547	0.90%	-2.00%	-5.2	5.2	0.000	0.028	0.178	850.498	850.516	850.216	850.498	850.544	850.394	850.653	850.699	850.549
541+000.00	155	451,943.810	6,504,138.915	0.00%	-2.00%	-5.2	5.2	0.000	0.028	0.181	850.555	850.528	850.270	850.555	850.556	850.451	850.710	850.711	850.606
541+000.42	155	451,943.549	6,504,138.589	0.00%	-2.00%	-5.2	5.2	0.000	0.028	0.180	850.556	850.528	850.272	850.556	850.556	850.452	850.711	850.711	850.607
541+020.00	155	451,931.325	6,504,123.290	-0.80%	-2.00%	-5.2	5.2	-0.015	0.029	0.116	850.587	850.499	850.352	850.572	850.528	850.468	850.727	850.683	850.623
541+040.00	155	451,918.840	6,504,107.665	-1.70%	-2.00%	-5.2	5.2	-0.020	0.030	0.048	850.527	850.388	850.355	850.507	850.418	850.403	850.662	850.573	850.558
541+046.57	155	451,914.739	6,504,102.532	-2.00%	-2.00%	-5.2	5.2	-0.024	0.037	0.041	850.500	850.345	850.331	850.476	850.382	850.372	850.631	850.537	850.527
541+060.00	155	451,906.356	6,504,092.040	-2.00%	-2.00%	-5.2	5.2	-0.020	0.086	0.041	850.433	850.223	850.268	850.413	850.309	850.309	850.568	850.464	850.464
541+080.00	155	451,893.871	6,504,076.415	-2.00%	-2.00%	-5.2	5.2	-0.010	0.075	0.035	850.248	850.059	850.099	850.238	850.134	850.134	850.393	850.289	850.289
541+100.00	155	451,881.387	6,504,060.791	-2.00%	-2.00%	-5.2	5.2	-0.010	0.106	0.092	850.104	849.884	849.898	850.094	849.99	849.99	850.249	850.145	850.145
541+120.00	155	451,868.902	6,504,045.166	-2.00%	-2.00%	-5.2	5.2	-0.030	0.077	0.057	849.861	849.650	849.670	849.831	849.727	849.727	849.986	849.882	849.882
541+140.00	155	451,856.418	6,504,029.541	-2.00%	-2.00%	-5.2	5.2	-0.020	0.079	0.059	849.550	849.347	849.367	849.530	849.426	849.426	849.685	849.581	849.581
541+160.00	155	451,843.933	6,504,013.916	-2.00%	-2.00%	-5.2	5.2	-0.035	0.111	0.038	849.212	848.962	849.035	849.177	849.073	849.073	849.332	849.228	849.228
541+180.00	155	451,831.449	6,503,998.291	-2.00%	-2.00%	-5.2	5.2	-0.035	0.050	0.041	848.818	848.629	848.638	848.783	848.679	848.679	848.938	848.834	848.834
541+200.00	155	451,818.964	6,503,982.666	-2.00%	-2.00%	-5.2	5.2	-0.015	0.051	0.053	848.375	848.205	848.203	848.360	848.256	848.256	848.515	848.411	848.411
541+220.00	155	451,806.479	6,503,967.042	-2.00%	-2.00%	-5.2	5.2	-0.005	0.045	0.040	847.852	847.698	847.703	847.847	847.743	847.743	848.002	847.898	847.898
541+240.00	155	451,793.995	6,503,951.417	-2.00%	-2.00%	-5.2	5.2	-0.010	0.065	0.038	847.265	847.086	847.113	847.255	847.151	847.151	847.410	847.306	847.306
541+260.00	155	451,781.510	6,503,935.792	-2.00%	-2.00%	-5.2	5.2	-0.010	0.025	0.074	846.648	846.509	846.460	846.638	846.534	846.534	846.793	846.689	846.689
541+280.00	155	451,769.026	6,503,920.167	-2.00%	-2.00%	-6.646	5.2	0.000	-0.004	0.072	845.959	845.830	845.783	845.959	845.826	845.855	846.114	845.981	846.01
541+300.00	155	451,756.541	6,503,904.542	-2.00%	-2.00%	-6.508	5.2	0.000	0.052	0.108	845.334	845.152	845.122	845.334	845.204	845.23	845.489	845.359	845.385
541+320.00	155	451,744.057	6,503,888.917	-2.00%	-2.00%	-5.65	5.2	0.000	0.026	0.150	844.582	844.444	844.328	844.582	844.47	844.478	844.737	844.625	844.633
541+340.00	155	451,731.572	6,503,873.292	-2.00%	-2.00%	-5.65	5.2	0.010	0.020	0.119	843.705	843.583	843.492	843.715	843.603	843.611	843.870	843.758	843.766
541+360.00	155	451,719.088	6,503,857.668	-2.00%	-2.00%	-5.65	5.2	0.000	-0.018	0.052	842.717	842.623	842.561	842.717	842.605	842.613	842.872	842.760	842.768
541+380.00	155	451,706.603	6,503,842.043	-2.00%	-2.00%	-5.65	5.2	0.000	-0.040	0.066	841.721	841.649	841.551	841.721	841.609	841.617	841.876	841.764	841.772
541+400.00	155	451,694.118	6,503,826.418	-2.00%	-2.00%	-5.65	5.2	0.010	-0.037	0.057	840.693	840.628	840.542	840.703	840.591	840.599	840.858	840.746	840.754
541+420.00	155	451,681.634	6,503,810.793	-2.00%	-2.00%	-5.65	5.2	0.010	-0.017	0.042	839.628	839.543	839.492	839.638	839.526	839.534	839.793	839.681	839.689
541+440.00	155	451,669.149	6,503,795.168	-2.00%	-2.00%	-5.65	5.2	-0.010	-0.003	0.024	838.570	838.451	838.432	838.560	838.448	838.456	838.715	838.603	838.611
541+450.90	155	451,662.347	6,503,786.655	-2.00%	-2.00%	-5.65	5.2	0.004	0.012	0.039	837.988	837.868	837.871	837.992	837.88	837.91	838.147	838.035	838.065
541+460.00	155	451,656.665	6,503,779.543	-2.00%	-1.20%	-5.65	5.2	-0.010	0.021	0.052	837.527	837.384	837.402	837.517	837.405	837.454	837.672	837.560	837.609
541+473.97	155	451,647.942	6,503,768.626	-2.00%	0.00%	-5.65	5.2	-0.017	0.048	0.088	836.809	836.631	836.703	836.792	836.679	836.791	836.947	836.834	836.946
541+480.00	155	451,644.181	6,503,763.918	-2.00%	0.50%	-5.65	5.2	-0.020	0.065	0.104	836.499	836.302	836.402	836.479	836.367	836.506	836.634	836.522	836.661
541+497.05	155	451,633.578	6,503,750.565	-2.00%	2.00%	-5.65	5.2	-0.020	0.057	0.111	835.603	835.404	835.574	835.583	835.461	835.685	835.738	835.616	835.84
541+500.00	155	451,631.755	6,503,748.247	-2.30%	2.30%	-5.65	5.2	-0.020	0.051	0.112	835.446	835.249	835.431	835.426	835.3	835.543	835.581	835.455	835.698
541+520.00	155	451,619.539	6,503,732.411	-4.00%	4.00%	-5.65	5.2	-0.015	-0.029	0.168	834.410	834.201	834.434	834.395	834.172	834.602	834.550	834.327	834.757
541+533.97	155	451,611.217	6,503,721.186	-5.20%	5.20%	-5.65	5.2	-0.017	-0.024	0.175	833.719	833.446	833.780	833.702	833.422	833.955	833.857	833.577	834.11
541+540.00	155	451,607.699	6,503,716.293	-5.20%	5.20%	-5.65	5.2	-0.020	-0.007	0.164	833.412	833.108	833.498	833.392	833.101	833.662	833.547	833.256	833.817
541+560.00	155	451,596.352	6,503,699.825	-5.20%	5.20%	-5.65	5.2	-0.020	0.003	0.058	832.444	832.130	832.637	832.424	832.133	832.695	832.579	832.288	832.85
541+580.00	155	451,585.517	6,503,683.015	-5.20%	5.20%	-5.65	8.402	-0.025	-0.014	0.057	831.622	831.320	831.977	831.597	831.306	832.034	831.752	831.461	832.189
541+587.44	155	451,581.619	6,503,676.678	-5.20%	5.20%	-5.65	7.779	-0.024	-0.030	0.059	831.352	831.073	831.664	831.328	831.043	831.723	831.483	831.198	831.878
541+600.00	155	451,575.196	6,503,665.884	-4.50%	4.50%	-5.65	6.918	-0.025	-0.023	0.100	830.889	830.637	831.073	830.864	830.614	831.173	831.019	830.769	831.328
541+620.00	155	451,565.294	6,503,648.508	-3.30%	3.30%	-5.65	5.93	-0.010	-0.037	0.050	830.131	829.973	830.267	830.121	829.936	830.317	830.276	830.091	830.472
541+640.00	155	451,555.637	6,503,630.994	-2.10%	2.10%	-5.65	5.65	-0.010	0.017	0.072	829.507	829.360	829.544	829.497	829.377	829.616	829.652	829.532	829.771
541+660.00	155	451,546.054	6,503,613.439	-1.00%	1.00%	-5.65	5.65	-0.025	0.012	0.091	828.901	828.810	828.839	828.876	828.822	828.93	829.031	828.977	829.085
541+680.00	155	451,536.473	6,503,595.884	0.20%	-0.20%	-5.65	5.65	-0.025	0.072	0.064	828.372	828.286	828.271	828.347	828.358	828.335	828.502	828.513	828.49
541+700.00	155	451,526.879	6,503,578.335	1.40%	-1.40%	-5.65	6.477	-0.025	0.114	0.080	828.002	827.940	827.808	827.977	828.054	827.888	828.132	828.209	828.043
541+720.00	155	451,517.197	6,503,560.835	2.50%	-2.50%	-5.6555	6.84	-0.030	0.093	-0.009	827.665	827.686	827.471	827.635	827.779	827.462	827.790	827.934	827.617

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
541+740.00	155	451,507.329	6,503,543.439	3.70%	-3.70%	-6.604	5.2	-0.025	0.134	-0.016	827.317	827.403	827.115	827.292	827.537	827.099	827.447	827.692	827.254
541+741.55	155	451,506.554	6,503,542.098	3.80%	-3.80%	-6.689	5.2	-0.020	0.139	-0.004	827.293	827.384	827.084	827.273	827.523	827.08	827.428	827.678	827.235
541+760.00	155	451,497.195	6,503,526.197	3.80%	-3.80%	-7.865	5.2	-0.025	0.117	0.026	827.074	827.231	826.825	827.049	827.348	826.851	827.204	827.503	827.006
541+780.00	155	451,486.777	6,503,509.124	3.80%	-3.80%	-6.721	5.2	-0.025	0.036	0.028	826.927	827.121	826.676	826.902	827.157	826.704	827.057	827.312	826.859
541+798.86	155	451,476.696	6,503,493.185	3.80%	-3.80%	-5.2	5.2	-0.030	0.050	0.018	826.807	826.920	826.565	826.777	826.97	826.583	826.932	827.125	826.738
541+800.00	155	451,476.079	6,503,492.227	3.70%	-3.70%	-5.2	5.2	-0.030	0.056	0.019	826.800	826.907	826.557	826.770	826.963	826.576	826.925	827.118	826.731
541+820.00	155	451,465.121	6,503,475.496	2.50%	-2.50%	-5.2	5.2	-0.045	0.061	0.066	826.763	826.785	826.524	826.718	826.846	826.59	826.873	827.001	826.745
541+827.28	155	451,461.083	6,503,469.438	2.00%	-2.00%	-5.2	5.2	-0.044	0.066	0.089	826.776	826.768	826.533	826.732	826.834	826.622	826.887	826.989	826.777
541+840.00	155	451,453.985	6,503,458.883	1.20%	-2.00%	-5.2	5.2	-0.045	0.061	0.095	826.801	826.757	826.557	826.756	826.818	826.652	826.911	826.973	826.807
541+858.86	155	451,443.402	6,503,443.272	0.00%	-2.00%	-5.2	5.2	-0.030	0.062	0.106	826.831	826.739	826.591	826.801	826.801	826.697	826.956	826.956	826.852
541+860.00	155	451,442.762	6,503,442.329	-0.10%	-2.00%	-5.2	5.2	-0.030	0.062	0.108	826.833	826.737	826.591	826.803	826.799	826.699	826.958	826.954	826.854
541+880.00	155	451,431.526	6,503,425.783	-1.30%	-2.00%	-5.2	5.2	-0.040	-0.001	0.042	826.906	826.798	826.720	826.866	826.797	826.762	827.021	826.952	826.917
541+890.44	155	451,425.662	6,503,417.147	-2.00%	-2.00%	-5.2	5.2	-0.040	0.024	0.056	827.013	826.862	826.813	826.973	826.886	826.869	827.128	827.041	827.024
541+900.00	155	451,420.291	6,503,409.237	-2.00%	-2.00%	-5.2	5.2	-0.040	0.025	0.064	827.111	826.942	826.903	827.071	826.967	826.967	827.226	827.122	827.122
541+920.00	155	451,409.055	6,503,392.692	-2.00%	-2.00%	-5.2	5.2	-0.025	0.047	0.052	827.352	827.176	827.171	827.327	827.223	827.223	827.482	827.378	827.378
541+940.00	155	451,397.820	6,503,376.146	-2.00%	-2.00%	-5.2	5.2	-0.025	0.024	0.051	827.697	827.544	827.517	827.672	827.568	827.568	827.827	827.723	827.723
541+960.00	155	451,386.584	6,503,359.600	-2.00%	-2.00%	-5.2	5.2	-0.030	0.025	0.039	828.125	827.966	827.952	828.095	827.991	827.991	828.250	828.146	828.146
541+980.00	155	451,375.349	6,503,343.054	-2.00%	-2.00%	-5.2	5.2	-0.030	0.067	0.065	828.609	828.408	828.410	828.579	828.475	828.475	828.734	828.630	828.63
542+000.00	155	451,364.113	6,503,326.508	-2.00%	-2.00%	-5.2	5.2	-0.030	0.075	0.048	829.068	828.859	828.886	829.038	828.934	828.934	829.193	829.089	829.089
542+020.00	155	451,352.878	6,503,309.963	-2.00%	-2.00%	-5.2	5.2	-0.030	0.081	0.044	829.541	829.326	829.363	829.511	829.407	829.407	829.666	829.562	829.562
542+040.00	155	451,341.642	6,503,293.417	-2.00%	-2.00%	-5.2	5.2	-0.020	0.057	0.032	829.989	829.808	829.833	829.969	829.865	829.865	830.124	830.020	830.02
542+060.00	155	451,330.407	6,503,276.871	-2.00%	-2.00%	-5.2	5.2	-0.020	0.071	0.054	830.498	830.303	830.320	830.478	830.374	830.374	830.633	830.529	830.529
542+080.00	155	451,319.171	6,503,260.325	-2.00%	-2.00%	-5.2	5.2	-0.030	0.070	0.035	830.989	830.785	830.820	830.959	830.855	830.855	831.114	831.010	831.01
542+100.00	155	451,307.936	6,503,243.779	-2.00%	-2.00%	-5.2	5.2	-0.030	0.078	0.042	831.450	831.238	831.274	831.420	831.316	831.316	831.575	831.471	831.471
542+120.00	155	451,296.700	6,503,227.234	-2.00%	-2.00%	-5.2	5.2	-0.005	0.053	0.041	831.833	831.671	831.683	831.828	831.724	831.724	831.983	831.879	831.879
542+140.00	155	451,285.465	6,503,210.688	-2.00%	-2.00%	-5.2	5.2	-0.025	0.078	0.061	832.246	832.039	832.056	832.221	832.117	832.117	832.376	832.272	832.272
542+160.00	155	451,274.229	6,503,194.142	-2.00%	-2.00%	-5.2	5.2	-0.005	0.056	0.041	832.533	832.368	832.383	832.528	832.424	832.424	832.683	832.579	832.579
542+180.00	155	451,262.994	6,503,177.596	-2.00%	-2.00%	-5.2	5.2	-0.025	0.058	0.052	832.846	832.659	832.665	832.821	832.717	832.717	832.976	832.872	832.872
542+200.00	155	451,251.758	6,503,161.050	-2.00%	-2.00%	-5.2	5.2	-0.025	0.061	0.064	833.083	832.893	832.890	833.058	832.954	832.954	833.213	833.109	833.109
542+220.00	155	451,240.523	6,503,144.505	-2.00%	-2.00%	-5.2	5.2	-0.020	0.076	0.055	833.255	833.055	833.076	833.235	833.131	833.131	833.390	833.286	833.286
542+240.00	155	451,229.287	6,503,127.959	-2.00%	-2.00%	-5.2	5.2	-0.020	0.076	0.033	833.365	833.165	833.208	833.345	833.241	833.241	833.500	833.396	833.396
542+260.00	155	451,218.052	6,503,111.413	-2.00%	-2.00%	-5.2	5.2	-0.015	0.088	0.046	833.455	833.248	833.290	833.440	833.336	833.336	833.595	833.491	833.491
542+280.00	155	451,206.816	6,503,094.867	-2.00%	-2.00%	-5.2	5.2	-0.015	0.047	0.057	833.493	833.327	833.317	833.478	833.374	833.374	833.633	833.529	833.529
542+300.00	155	451,195.581	6,503,078.321	-2.00%	-2.00%	-5.2	5.2	-0.015	0.020	0.026	833.469	833.330	833.324	833.454	833.35	833.35	833.609	833.505	833.505
542+320.00	155	451,184.345	6,503,061.776	-2.00%	-2.00%	-5.2	5.2	0.000	0.057	0.045	833.444	833.283	833.295	833.444	833.34	833.34	833.599	833.495	833.495
542+340.00	155	451,173.110	6,503,045.230	-2.00%	-2.00%	-5.2	5.2	-0.005	0.042	0.041	833.312	833.161	833.162	833.307	833.203	833.203	833.462	833.358	833.358
542+360.00	155	451,161.874	6,503,028.684	-2.00%	-2.00%	-5.2	5.2	-0.005	0.032	0.039	833.141	833.000	832.993	833.136	833.032	833.032	833.291	833.187	833.187
542+380.00	155	451,150.639	6,503,012.138	-2.00%	-2.00%	-5.2	5.2	-0.005	0.074	0.066	832.971	832.788	832.796	832.966	832.862	832.862	833.121	833.017	833.017
542+400.00	155	451,139.387	6,502,995.603	-2.00%	-2.00%	-5.2	5.2	-0.005	0.065	0.047	832.676	832.502	832.520	832.671	832.567	832.567	832.826	832.722	832.722
542+420.00	155	451,128.095	6,502,979.096	-2.00%	-2.00%	-5.2	5.2	-0.005	0.060	0.056	832.367	832.198	832.202	832.362	832.258	832.258	832.517	832.413	832.413
542+440.00	155	451,116.803	6,502,962.589	-2.00%	-2.00%	-5.2	5.2	-0.005	0.029	0.066	831.999	831.861	831.824	831.994	831.89	831.89	832.149	832.045	832.045
542+460.00	155	451,105.511	6,502,946.082	-2.00%	-2.00%	-5.2	5.2	-0.005	0.001	0.104	831.567	831.457	831.354	831.562	831.458	831.458	831.717	831.613	831.613
542+480.00	155	451,094.218	6,502,929.575	-2.00%	-2.00%	-5.2	5.2	-0.005	0.034	0.054	831.105	830.962	830.942	831.100	830.996	830.996	831.255	831.151	831.151
542+500.00	155	451,082.926	6,502,913.068	-2.00%	-2.00%	-5.2	5.2	-0.005	0.027	0.000	830.613	830.477	830.504	830.608	830.504	830.504	830.763	830.659	830.659
542+520.00	155	451,071.634	6,502,896.561	-2.00%	-2.00%	-5.2	5.2	-0.015	0.016	0.073	830.109	829.974	829.917	830.094	829.99	829.99	830.249	830.145	830.145
542+525.23	155	451,068.682	6,502,892.245	-2.00%	-2.00%	-5.2	5.2	-0.016	0.017	0.080	829.963	829.844	829.763	829.947	829.861	829.843	830.102	830.016	829.998
542+540.00	155	451,060.342	6,502,880.053	-0.70%	-2.00%	-5.2	5.2	-0.015	0.015	0.104	829.548	829.481	829.325	829.533	829.496	829.429	829.688	829.651	829.584
542+548.30	155	451,055.653	6,502,873.199	0.00%	-2.00%	-5.2	5.2	-0.028	0.028	0.088	829.295	829.239	829.075	829.267	829.267	829.163	829.422	829.422	829.318
542+560.00	155	451,049.044	6,502,863.550	1.00%	-2.00%	-5.2	5.2	-0.030	0.042	0.080	828.932	828.913	828.718	828.902	828.955	828.798	829.057	829.110	828.953
542+571.38	155	451,042.583	6,502,854.180	2.00%	-2.00%	-5.2	5.2	-0.030	0.029	0.116	828.528	828.572	828.273	828.498	828.601	828.389	828.653	828.756	828.544
542+580.00	155	451,037.653	6,502,847.111	2.70%	-2.70%	-5.2	5.2	-0.030	0.039	0.121	828.221	828.295	827.927	828.191	828.334	828.048	828.346	828.489	828.203
542+600.00	155	451,026.015	6,502,830.846	4.50%	-4.50%	-5.2	5.2	-0.030	0.060	0.056	827.402	827.545	827.083	827.372	827.605	827.139	827.527	827.760	827.294
542+608.30	155	451,021.074	6,502,824.171	5.20%	-5.20%	-5.2	5.2	-0.026	0.053	0.027	827.066	827.247	826.749	827.040	827.3	826.776	827.195	827.455	826.931
542+620.00	155	451,013.985	6,502,814.870	5.20%	-5.20%	-5.2	5.2	-0.032	0.031	0.026	826.591	826.802	826.266	826.559	826.833	826.292	826.714	826.988	826.447
542+640.00	155	451,001.504	6,502,799.243	5.20%	-5.20%	-7.157	5.2	-0.031	0.040	0.025	825.750	826.054	825.427	825.719	826.094	825.452	825.874	826.249	825.607
542+660.00	155	450,988.582	6,502,783.979	5.20%	-5.20%	-6.238	5.2	-0.030	0.114	0.004	824.840	825.023	824.539	824.810	825.137	824.543	824.965	825.292	824.698
542+680.00	155	450,975.228	6,502,769.091	5.20%	-5.20%	-5.65	5.2	-0.035	0.124	-0.014	823.899	824.034	823.610	823.864	824.158	823.596	824.019	824.313	823.751
542+700.00	155	450,961.453	6,502,754.592	5.20%	-5.20%	-5.65	5.2	-0.034	0.038	0.001	822.939	823.161	822.636	822.905	823.199	822.637	823.060	823.354	822.792
542+720.00	155	450,947.270	6,502,740.492	5.20%	-5.20%	-5.65	5.2	-0.014	-0.005	0.029	821.943	822.227	821.631	821.929	822.222	821.66	822.084	822.377	821.815
542+740.00	155	450,932.689	6,502,726.804	5.20%	-5.20%	-5.65	5.2	-0.012	0.013	0.026	820.966	821.233	820.659	820.954	821.246	820.685	821.109	821.401	820.84
542+760.00	155	450,917.722	6,502,713.538	5.20%	-5.20%	-5.65	5.2	-0.012	-0.003	0.005	820.068	820.351	819.782	820.056	820.348	819.787	820.211	820.503	819.942
542+780.00	155	450,902.382	6,502,700.707	5.20%	-5.20%	-5.65	5.2	-0.016	0.028	0.031	819.338	819.586	819.022	819.322	819.614	819.053	819.477	819.769	819.208

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
542+800.00	155	450,886.681	6,502,688.319	5.20%	-5.20%	-5.65	5.2	-0.016	0.038	0.044	818.586	818.824	818.256	818.570	818.862	818.3	818.725	819.017	818.455
542+820.00	155	450,870.632	6,502,676.386	5.20%	-5.20%	-5.65	5.2	-0.022	0.014	0.027	817.950	818.206	817.632	817.928	818.22	817.659	818.083	818.375	817.814
542+840.00	155	450,854.248	6,502,664.916	5.20%	-5.20%	-5.65	5.2	-0.022	0.043	0.019	817.425	817.652	817.115	817.403	817.695	817.134	817.558	817.850	817.289
542+860.00	155	450,837.543	6,502,653.920	5.20%	-5.20%	-5.65	5.2	-0.027	0.030	0.039	816.914	817.150	816.579	816.887	817.18	816.618	817.042	817.335	816.773
542+880.00	155	450,820.530	6,502,643.407	5.20%	-5.20%	-5.65	5.2	-0.030	0.032	0.083	816.583	816.814	816.202	816.553	816.846	816.285	816.708	817.001	816.44
542+900.00	155	450,803.223	6,502,633.384	5.20%	-5.20%	-5.65	5.2	-0.030	0.029	0.051	816.329	816.564	815.980	816.299	816.593	816.031	816.454	816.748	816.186
542+920.00	155	450,785.637	6,502,623.861	5.20%	-5.20%	-5.65	5.2	-0.026	0.015	0.046	816.131	816.384	815.791	816.105	816.399	815.837	816.260	816.554	815.992
542+940.00	155	450,767.785	6,502,614.845	5.20%	-5.20%	-5.65	5.2	-0.027	0.025	0.052	816.045	816.287	815.699	816.018	816.312	815.751	816.173	816.467	815.906
542+960.00	155	450,749.683	6,502,606.343	5.20%	-5.20%	-5.65	5.2	-0.027	0.028	0.080	816.066	816.305	815.692	816.039	816.333	815.772	816.194	816.488	815.927
542+980.00	155	450,731.345	6,502,598.362	5.20%	-5.20%	-5.65	5.2	-0.032	0.021	0.056	816.162	816.404	815.807	816.130	816.425	815.863	816.285	816.580	816.018
543+000.00	155	450,712.786	6,502,590.910	5.20%	-5.20%	-5.65	5.2	-0.032	0.011	0.054	816.393	816.644	816.040	816.361	816.655	816.094	816.516	816.810	816.249
543+020.00	155	450,694.022	6,502,583.991	5.20%	-5.20%	-5.65	5.2	-0.037	-0.008	0.078	816.713	816.978	816.331	816.676	816.97	816.409	816.831	817.125	816.564
543+040.00	155	450,675.067	6,502,577.612	5.20%	-5.20%	-5.65	5.2	-0.032	0.033	0.137	817.151	817.380	816.715	817.119	817.413	816.852	817.274	817.568	817.007
543+060.00	155	450,655.938	6,502,571.778	5.20%	-5.20%	-5.65	5.2	-0.033	0.003	0.086	817.604	817.863	817.218	817.571	817.866	817.304	817.726	818.021	817.459
543+080.00	155	450,636.649	6,502,566.493	5.20%	-5.20%	-5.65	5.2	-0.030	0.002	0.061	818.108	818.371	817.750	818.078	818.373	817.811	818.233	818.528	817.966
543+100.00	155	450,617.217	6,502,561.763	5.20%	-5.20%	-5.65	5.2	-0.032	-0.004	0.035	818.736	819.003	818.402	818.704	818.999	818.437	818.859	819.154	818.592
543+120.00	155	450,597.658	6,502,557.590	5.20%	-5.20%	-5.65	5.2	-0.020	0.039	0.021	819.463	819.698	819.154	819.443	819.737	819.175	819.598	819.892	819.33
543+140.00	155	450,577.988	6,502,553.979	5.20%	-5.20%	-5.65	5.2	-0.020	0.018	0.006	820.157	820.413	819.863	820.137	820.431	819.869	820.292	820.586	820.024
543+160.00	155	450,558.222	6,502,550.932	5.20%	-5.20%	-5.65	5.2	-0.019	-0.004	0.035	820.851	821.129	820.529	820.832	821.125	820.564	820.987	821.280	820.719
543+180.00	155	450,538.377	6,502,548.451	5.20%	-5.20%	-5.65	5.2	-0.014	0.005	0.025	821.532	821.806	821.225	821.518	821.811	821.25	821.673	821.966	821.405
543+200.00	155	450,518.469	6,502,546.539	5.20%	-5.20%	-5.65	5.2	-0.013	0.025	0.026	822.157	822.412	821.849	822.144	822.437	821.875	822.299	822.592	822.03
543+220.00	155	450,498.515	6,502,545.198	5.20%	-5.20%	-5.65	5.2	-0.021	0.015	0.028	822.694	822.950	822.375	822.673	822.965	822.403	822.828	823.120	822.558
543+240.00	155	450,478.531	6,502,544.428	5.20%	-5.20%	-6.105	5.2	-0.020	0.013	0.006	823.156	823.440	822.859	823.136	823.453	822.865	823.291	823.608	823.02
543+260.00	155	450,458.532	6,502,544.230	5.20%	-5.20%	-7.28	5.2	-0.016	0.070	-0.028	823.551	823.844	823.293	823.535	823.914	823.265	823.690	824.069	823.42
543+280.00	155	450,438.536	6,502,544.604	5.20%	-5.20%	-8.417	5.2	-0.017	0.108	-0.019	823.941	824.255	823.673	823.924	824.363	823.654	824.079	824.518	823.809
543+300.00	155	450,418.559	6,502,545.550	5.20%	-5.20%	-5.2	5.2	-0.022	0.068	0.049	824.337	824.519	823.997	824.315	824.587	824.046	824.470	824.742	824.201
543+320.00	155	450,398.618	6,502,547.068	5.20%	-5.20%	-5.2	5.2	-0.050	0.055	0.112	824.715	824.882	824.285	824.665	824.937	824.397	824.820	825.092	824.552
543+340.00	155	450,378.728	6,502,549.155	5.20%	-5.20%	-5.2	5.2	-0.049	0.043	0.083	825.105	825.285	824.705	825.056	825.328	824.788	825.211	825.483	824.943
543+360.00	155	450,358.905	6,502,551.810	5.20%	-5.20%	-5.2	5.2	-0.050	0.070	0.006	825.528	825.681	825.204	825.478	825.751	825.21	825.633	825.906	825.365
543+380.00	155	450,339.167	6,502,555.031	5.20%	-5.20%	-5.2	5.2	-0.050	0.110	0.006	825.907	826.021	825.584	825.857	826.131	825.59	826.012	826.286	825.745
543+400.00	155	450,319.529	6,502,558.816	5.20%	-5.20%	-5.2	5.2	-0.050	0.126	0.059	826.247	826.345	825.871	826.197	826.471	825.93	826.352	826.626	826.085
543+420.00	155	450,300.008	6,502,563.161	5.20%	-5.20%	-5.2	5.2	-0.045	0.147	0.082	826.557	826.638	826.162	826.512	826.785	826.244	826.667	826.940	826.399
543+440.00	155	450,280.618	6,502,568.063	5.20%	-5.20%	-5.2	5.2	-0.045	0.150	0.062	826.809	826.887	826.435	826.764	827.037	826.497	826.919	827.192	826.652
543+460.00	155	450,261.377	6,502,573.517	5.20%	-5.20%	-5.2	5.2	-0.051	0.107	0.040	827.020	827.136	826.662	826.969	827.243	826.702	827.124	827.398	826.857
543+480.00	155	450,242.300	6,502,579.519	5.20%	-5.20%	-5.2	5.2	-0.052	0.064	0.062	827.166	827.324	826.785	827.114	827.388	826.847	827.269	827.543	827.002
543+500.00	155	450,223.402	6,502,586.065	5.20%	-5.20%	-5.2	5.2	-0.052	0.044	0.092	827.266	827.444	826.855	827.214	827.488	826.947	827.369	827.643	827.102
543+520.00	155	450,204.699	6,502,593.149	5.20%	-5.20%	-5.2	5.2	-0.041	0.057	0.101	827.330	827.505	826.920	827.289	827.562	827.021	827.444	827.717	827.176
543+540.00	155	450,186.207	6,502,600.765	5.20%	-5.20%	-5.2	5.2	-0.041	0.075	0.083	827.319	827.477	826.928	827.278	827.552	827.011	827.433	827.707	827.166
543+560.00	155	450,167.940	6,502,608.907	5.20%	-5.20%	-5.2	5.2	-0.041	0.098	0.070	827.255	827.389	826.877	827.214	827.487	826.947	827.369	827.642	827.102
543+580.00	155	450,149.913	6,502,617.568	5.20%	-5.20%	-5.2	5.2	-0.041	0.105	0.073	827.134	827.261	826.752	827.093	827.366	826.825	827.248	827.521	826.98
543+600.00	155	450,132.142	6,502,626.741	5.20%	-5.20%	-5.2	5.2	-0.040	0.111	0.062	826.964	827.086	826.594	826.924	827.197	826.656	827.079	827.352	826.811
543+620.00	155	450,114.640	6,502,636.419	5.20%	-5.20%	-5.2	5.2	-0.044	0.065	0.036	826.750	826.913	826.401	826.706	826.978	826.437	826.861	827.133	826.592
543+640.00	155	450,097.423	6,502,646.594	5.20%	-5.20%	-5.2	5.2	-0.048	0.014	0.027	826.465	826.675	826.121	826.417	826.689	826.148	826.572	826.844	826.303
543+660.00	155	450,080.503	6,502,657.257	5.20%	-5.20%	-5.2	5.2	-0.038	0.077	0.014	826.146	826.303	825.825	826.108	826.38	825.839	826.263	826.535	825.994
543+680.00	155	450,063.895	6,502,668.400	5.20%	-5.20%	-5.2	5.2	-0.036	0.146	-0.004	825.894	825.983	825.592	825.858	826.129	825.588	826.013	826.284	825.743
543+700.00	155	450,047.614	6,502,680.013	5.20%	-5.20%	-5.2	5.2	-0.040	0.153	0.089	825.577	825.654	825.177	825.537	825.807	825.266	825.692	825.962	825.421
543+720.00	155	450,031.670	6,502,692.088	5.20%	-5.20%	-5.2	5.2	-0.041	0.081	0.028	825.185	825.334	824.846	825.144	825.415	824.874	825.299	825.570	825.029
543+740.00	155	450,016.079	6,502,704.613	5.20%	-5.20%	-5.2	5.2	-0.042	0.049	0.034	824.922	825.102	824.576	824.880	825.151	824.61	825.035	825.306	824.765
543+760.00	155	450,000.853	6,502,717.580	5.20%	-5.20%	-5.2	5.2	-0.033	0.068	0.017	824.693	824.864	824.374	824.660	824.932	824.391	824.815	825.087	824.546
543+780.00	155	449,986.004	6,502,730.977	5.20%	-5.20%	-5.2	5.2	-0.034	0.049	0.026	824.481	824.670	824.152	824.447	824.719	824.178	824.602	824.874	824.333
543+800.00	155	449,971.544	6,502,744.793	5.20%	-5.20%	-5.2	5.2	-0.035	0.085	0.035	824.312	824.465	823.974	824.277	824.55	824.009	824.432	824.705	824.164
543+820.00	155	449,957.485	6,502,759.017	5.20%	-5.20%	-5.2	5.2	-0.045	0.083	0.019	824.159	824.304	823.827	824.114	824.387	823.846	824.269	824.542	824.001
543+833.98	155	449,947.899	6,502,769.199	5.20%	-5.20%	-5.2	5.2	-0.044	0.060	0.017	824.072	824.221	823.752	824.028	824.281	823.769	824.183	824.436	823.924
543+840.00	155	449,943.838	6,502,773.637	4.70%	-4.70%	-5.2	5.2	-0.040	0.044	0.022	824.025	824.184	823.719	823.985	824.228	823.741	824.140	824.383	823.896
543+860.00	155	449,930.564	6,502,788.596	2.90%	-2.90%	-5.2	5.2	-0.040	0.015	0.072	823.916	824.015	823.651	823.876	824.03	823.723	824.031	824.185	823.878
543+870.91	155	449,923.436	6,502,796.854	2.00%	-2.00%	-5.2	5.2	-0.030	0.029	0.110	823.861	823.905	823.613	823.831	823.934	823.723	823.986	824.089	823.878
543+880.00	155	449,917.534	6,502,803.769	1.20%	-2.00%	-5.2	5.2	-0.030	0.043	0.115	823.821	823.811	823.572	823.791	823.854	823.687	823.946	824.009	823.842
543+893.98	155	449,908.492	6,502,814.437	0.00%	-2.00%	-5.2	5.2	-0.030	0.018	0.140	823.790	823.742	823.516	823.760	823.76	823.656	823.915	823.915	823.811
543+900.00	155	449,904.606	6,502,819.029	-0.50%	-2.00%	-5.2	5.2	-0.030	0.008	0.147	823.780	823.715	823.499	823.750	823.723	823.646	823.905	823.878	823.801
543+917.06	155	449,893.584	6,502,832.053	-2.00%	-2.00%	-5.2	5.2	-0.019	-0.001	0.096	823.743	823.632	823.524	823.724	823.631	823.62	823.879	823.786	823.775
543+920.00	155	449,891.686	6,502,834.296	-2.00%	-2.00%	-5.2	5.2	-0.020	0.000	0.083	823.739	823.615	823.532	823.719	823.615	823.615	823.874	823.770	823.77
543+940.00	155	449,878.766	6,502,849.562	-2.00%	-2.00%	-5.2	5.2	-0.020	0.007	0.057	823.759	823.628	823.578	823.739	823.635	823.635	823.894	823.790	823.79

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
543+960.00	155	449,865.847	6,502,864.829	-2.00%	-2.00%	-5.2	5.2	-0.040	0.018	0.089	823.842	823.680	823.609	823.802	823.698	823.698	823.957	823.853	823.853
543+980.00	155	449,852.927	6,502,880.096	-2.00%	-2.00%	-5.2	5.2	-0.040	0.037	0.065	823.926	823.745	823.717	823.886	823.782	823.782	824.041	823.937	823.937
544+000.00	155	449,840.007	6,502,895.363	-2.00%	-2.00%	-5.2	5.2	-0.040	0.042	0.079	824.048	823.862	823.825	824.008	823.904	823.904	824.163	824.059	824.059
544+020.00	155	449,827.087	6,502,910.630	-2.00%	-2.00%	-5.2	5.2	-0.040	0.013	0.021	824.180	824.023	824.015	824.140	824.036	824.036	824.295	824.191	824.191
544+040.00	155	449,814.168	6,502,925.897	-2.00%	-2.00%	-5.2	5.2	-0.040	0.080	0.059	824.330	824.106	824.127	824.290	824.186	824.186	824.445	824.341	824.341
544+060.00	155	449,801.248	6,502,941.164	-2.00%	-2.00%	-5.2	5.2	-0.045	0.084	0.075	824.447	824.214	824.223	824.402	824.298	824.298	824.557	824.453	824.453
544+080.00	155	449,788.328	6,502,956.431	-2.00%	-2.00%	-5.2	5.2	-0.045	0.079	0.063	824.540	824.312	824.328	824.495	824.391	824.391	824.650	824.546	824.546
544+100.00	155	449,775.408	6,502,971.698	-2.00%	-2.00%	-5.2	5.2	-0.045	0.086	0.047	824.609	824.374	824.413	824.564	824.46	824.46	824.719	824.615	824.615
544+120.00	155	449,762.489	6,502,986.965	-2.00%	-2.00%	-5.2	5.2	-0.055	0.083	0.049	824.660	824.418	824.452	824.605	824.501	824.501	824.760	824.656	824.656
544+140.00	155	449,749.569	6,503,002.232	-2.00%	-2.00%	-5.2	5.2	-0.040	0.102	0.062	824.660	824.414	824.454	824.620	824.516	824.516	824.775	824.671	824.671
544+160.00	155	449,736.649	6,503,017.499	-2.00%	-2.00%	-5.2	5.2	-0.040	0.109	0.084	824.627	824.374	824.399	824.587	824.483	824.483	824.742	824.638	824.638
544+180.00	155	449,723.729	6,503,032.766	-2.00%	-2.00%	-5.2	5.2	-0.025	0.089	0.099	824.495	824.277	824.267	824.470	824.366	824.366	824.625	824.521	824.521
544+200.00	155	449,710.809	6,503,048.033	-2.00%	-2.00%	-5.2	5.2	-0.025	0.075	0.058	824.328	824.124	824.141	824.303	824.199	824.199	824.458	824.354	824.354
544+220.00	155	449,697.890	6,503,063.300	-2.00%	-2.00%	-5.2	5.2	-0.045	0.014	0.067	824.128	823.965	823.912	824.083	823.979	823.979	824.238	824.134	824.134
544+221.26	155	449,697.076	6,503,064.261	-2.00%	-2.00%	-5.2	5.2	-0.047	0.013	0.068	824.115	823.955	823.896	824.068	823.968	823.964	824.223	824.123	824.119
544+240.00	155	449,684.970	6,503,078.567	-0.80%	-2.00%	-5.2	5.2	-0.040	0.075	0.088	823.882	823.728	823.650	823.842	823.803	823.738	823.997	823.958	823.893
544+251.26	155	449,677.696	6,503,087.162	0.00%	-2.00%	-5.2	5.2	-0.047	0.089	0.076	823.708	823.572	823.481	823.661	823.661	823.557	823.816	823.816	823.712
544+260.00	155	449,672.051	6,503,093.834	0.60%	-2.00%	-5.2	5.2	-0.040	0.104	0.046	823.561	823.447	823.371	823.521	823.551	823.417	823.676	823.706	823.572
544+280.00	155	449,659.173	6,503,109.136	1.90%	-2.00%	-5.2	5.2	-0.045	0.094	0.019	823.227	823.187	823.059	823.182	823.281	823.078	823.337	823.436	823.233
544+281.26	155	449,658.365	6,503,110.103	2.00%	-2.00%	-5.2	5.2	-0.046	0.090	0.014	823.205	823.172	823.037	823.159	823.262	823.051	823.314	823.417	823.206
544+300.00	155	449,646.419	6,503,124.542	3.20%	-3.20%	-5.2	5.2	-0.035	0.155	-0.029	822.858	822.837	822.683	822.823	822.992	822.654	822.978	823.147	822.809
544+311.26	155	449,639.327	6,503,133.288	4.00%	-4.00%	-5.2	5.2	-0.015	0.197	-0.043	822.623	822.614	822.447	822.608	822.811	822.404	822.763	822.966	822.559
544+320.00	155	449,633.878	6,503,140.121	4.00%	-4.00%	-5.2	5.2	-0.015	0.185	-0.045	822.429	822.437	822.251	822.414	822.622	822.206	822.569	822.777	822.361
544+340.00	155	449,621.600	6,503,155.909	4.00%	-4.00%	-5.2	5.2	-0.016	0.131	-0.023	821.978	822.040	821.778	821.962	822.171	821.755	822.117	822.326	821.91
544+360.00	155	449,609.591	6,503,171.902	4.00%	-4.00%	-5.2	5.2	-0.045	0.108	0.002	821.524	821.579	821.269	821.479	821.687	821.271	821.634	821.842	821.426
544+380.00	155	449,597.855	6,503,188.096	4.00%	-4.00%	-5.2	5.2	-0.050	0.040	0.002	820.989	821.107	820.729	820.939	821.147	820.731	821.094	821.302	820.886
544+400.00	155	449,586.395	6,503,204.487	4.00%	-4.00%	-5.2	5.2	-0.051	0.037	-0.018	820.421	820.542	820.181	820.370	820.579	820.163	820.525	820.734	820.318
544+420.00	155	449,575.215	6,503,221.070	4.00%	-4.00%	-5.2	5.2	-0.031	0.079	-0.014	819.778	819.877	819.554	819.747	819.956	819.54	819.902	820.111	819.695
544+440.00	155	449,564.317	6,503,237.839	4.00%	-4.00%	-5.2	5.2	-0.031	0.097	-0.044	819.096	819.177	818.902	819.065	819.274	818.858	819.220	819.429	819.013
544+460.00	155	449,553.705	6,503,254.792	4.00%	-4.00%	-5.2	5.2	-0.015	0.088	-0.035	818.394	818.499	818.206	818.379	818.587	818.171	818.534	818.742	818.326
544+480.00	155	449,543.382	6,503,271.921	4.00%	-4.00%	-5.2	5.2	-0.015	0.129	-0.005	817.730	817.794	817.512	817.715	817.923	817.507	817.870	818.078	817.662
544+500.00	155	449,533.350	6,503,289.223	4.00%	-4.00%	-5.2	5.2	-0.026	0.166	-0.026	817.101	817.118	816.894	817.075	817.284	816.868	817.230	817.439	817.023
544+520.00	155	449,523.613	6,503,306.693	4.00%	-4.00%	-5.2	5.2	-0.025	0.138	-0.038	816.494	816.539	816.299	816.469	816.677	816.261	816.624	816.832	816.416
544+540.00	155	449,514.174	6,503,324.325	4.00%	-4.00%	-6.175	5.2	-0.020	0.062	-0.050	815.939	816.104	815.761	815.919	816.166	815.711	816.074	816.321	815.866
544+560.00	155	449,505.035	6,503,342.114	4.00%	-4.00%	-6.5	5.2	-0.030	0.114	-0.037	815.500	815.616	815.299	815.470	815.73	815.262	815.625	815.885	815.417
544+580.00	155	449,496.199	6,503,360.056	4.00%	-4.00%	-5.65	5.2	-0.040	0.096	-0.015	814.983	815.071	814.750	814.943	815.167	814.735	815.098	815.322	814.89
544+600.00	155	449,487.668	6,503,378.145	4.00%	-4.00%	-5.65	5.2	-0.011	0.060	0.023	814.487	814.641	814.246	814.476	814.701	814.269	814.601	814.826	814.394
544+620.00	125	449,479.445	6,503,396.377	4.00%	-4.00%	-5.65	5.2	-0.035	0.040	0.051	814.225	814.374	813.931	814.190	814.414	813.982	814.315	814.539	814.107
544+640.00	125	449,471.532	6,503,414.744	4.00%	-4.00%	-5.65	5.2	-0.035	0.076	0.041	814.162	814.275	813.878	814.127	814.351	813.919	814.252	814.476	814.044
544+660.00	125	449,463.932	6,503,433.244	4.00%	-4.00%	-5.65	5.2	-0.041	0.064	0.063	814.301	814.421	813.990	814.260	814.485	814.053	814.385	814.610	814.178
544+680.00	125	449,456.646	6,503,451.869	4.00%	-4.00%	-5.65	5.2	-0.036	0.043	0.045	814.564	814.709	814.275	814.528	814.752	814.32	814.653	814.877	814.445
544+700.00	125	449,449.677	6,503,470.615	4.00%	-4.00%	-6.095	5.2	-0.036	0.059	0.030	814.810	814.959	814.536	814.774	815.018	814.566	814.899	815.143	814.691
544+720.00	125	449,443.026	6,503,489.477	4.00%	-4.00%	-7.206	5.2	-0.036	0.112	0.022	815.074	815.215	814.808	815.038	815.327	814.83	815.163	815.452	814.955
544+740.00	125	449,436.697	6,503,508.449	4.00%	-4.00%	-8.661	5.2	-0.036	0.539	0.000	815.447	815.219	815.204	815.411	815.758	815.204	815.536	815.883	815.329
544+760.00	125	449,430.689	6,503,527.525	4.00%	-4.00%	-5.2	5.2	-0.030	0.069	0.007	815.838	815.947	815.593	815.808	816.016	815.6	815.933	816.141	815.725
544+780.00	125	449,425.006	6,503,546.700	4.00%	-4.00%	-5.2	5.2	-0.031	0.066	0.034	816.258	816.369	815.985	816.227	816.435	816.019	816.352	816.560	816.144
544+800.00	125	449,419.649	6,503,565.969	4.00%	-4.00%	-5.2	5.2	-0.031	0.152	0.043	816.741	816.766	816.459	816.710	816.918	816.502	816.835	817.043	816.627
544+820.00	125	449,414.619	6,503,585.326	4.00%	-4.00%	-5.2	5.2	-0.025	0.097	0.031	817.185	817.271	816.921	817.160	817.368	816.952	817.285	817.493	817.077
544+840.00	125	449,409.918	6,503,604.765	4.00%	-4.00%	-5.2	5.2	-0.020	0.073	0.006	817.661	817.776	817.427	817.641	817.849	817.433	817.766	817.974	817.558
544+860.00	125	449,405.546	6,503,624.282	4.00%	-4.00%	-5.2	5.2	-0.021	0.056	0.018	818.113	818.244	817.866	818.092	818.3	817.884	818.217	818.425	818.009
544+880.00	125	449,401.507	6,503,643.869	4.00%	-4.00%	-5.2	5.2	-0.030	0.041	0.056	818.536	818.673	818.242	818.506	818.714	818.298	818.631	818.839	818.423
544+900.00	125	449,397.800	6,503,663.522	4.00%	-4.00%	-5.2	5.2	-0.030	0.077	0.060	818.900	819.001	818.602	818.870	819.078	818.662	818.995	819.203	818.787
544+920.00	125	449,394.426	6,503,683.235	4.00%	-4.00%	-5.2	5.2	-0.036	0.127	0.027	819.191	819.237	818.921	819.155	819.364	818.948	819.280	819.489	819.073
544+940.00	125	449,391.387	6,503,703.003	4.00%	-4.00%	-5.2	5.2	-0.036	0.107	0.033	819.504	819.570	819.228	819.468	819.677	819.261	819.593	819.802	819.386
544+960.00	125	449,388.684	6,503,722.819	4.00%	-4.00%	-5.2	5.2	-0.041	0.102	0.019	819.797	819.863	819.530	819.756	819.965	819.549	819.881	820.090	819.674
544+974.27	125	449,386.960	6,503,736.986	4.00%	-4.00%	-5.2	5.2	-0.040	0.060	0.023	819.952	820.047	819.689	819.912	820.107	819.712	820.037	820.232	819.837
544+980.00	125	449,386.316	6,503,742.678	3.60%	-3.60%	-5.2	5.2	-0.040	0.037	0.034	820.010	820.121	819.748	819.970	820.158	819.782	820.095	820.283	819.907
545+000.00	125	449,384.246	6,503,762.571	2.30%	-2.30%	-5.2	5.2	-0.035	-0.011	0.077	820.086	820.181	819.855	820.051	820.17	819.932	820.176	820.295	820.057
545+004.27	125	449,383.833	6,503,766.822	2.00%	-2.00%	-5.2	5.2	-0.029	-0.014	0.092	820.086	820.173	819.852	820.057	820.159	819.944	820.182	820.284	820.069
545+020.00	125	449,382.369	6,503,782.482	1.00%	-2.00%	-5.2	5.2	-0.015	0.021	0.105	820.078	820.086	819.849	820.063	820.107	819.954	820.188	820.232	820.079
545+034.27	125	449,381.086	6,503,796.696	0.00%	-2.00%	-5.2	5.2	-0.020	0.030	0.044	820.044	819.994	819.876	820.024	820.024	819.92	820.149	820.149	820.045
545+040.00	125	449,380.573	6,503,802.402	-0.40%	-2.00%	-5.2	5.2	-0.020	0.041	0.031	820.034	819.953	819.879	820.014	819.994	819.91	820.139	820.119	820.035

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
545+060.00	125	449,378.784	6,503,822.321	-1.70%	-2.00%	-5.2	5.2	-0.020	0.045	0.076	819.893	819.739	819.693	819.873	819.784	819.769	819.998	819.909	819.894
545+064.27	125	449,378.401	6,503,826.575	-2.00%	-2.00%	-5.2	5.2	-0.021	0.036	0.078	819.855	819.703	819.652	819.834	819.739	819.73	819.959	819.864	819.855
545+080.00	125	449,376.994	6,503,842.241	-2.00%	-2.00%	-5.2	5.2	-0.015	0.013	0.065	819.707	819.575	819.523	819.692	819.588	819.588	819.817	819.713	819.713
545+100.00	125	449,375.204	6,503,862.161	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.001	0.067	819.571	819.453	819.385	819.556	819.452	819.452	819.681	819.577	819.577
545+120.00	125	449,373.415	6,503,882.081	-2.00%	-2.00%	-5.2	5.2	-0.005	0.018	0.061	819.303	819.176	819.133	819.298	819.194	819.194	819.423	819.319	819.319
545+140.00	125	449,371.625	6,503,902.001	-2.00%	-2.00%	-5.2	5.2	-0.005	0.042	0.090	819.001	818.850	818.802	818.996	818.892	818.892	819.121	819.017	819.017
545+160.00	125	449,369.836	6,503,921.920	-2.00%	-2.00%	-5.2	5.2	-0.005	0.040	0.078	818.606	818.457	818.419	818.601	818.497	818.497	818.726	818.622	818.622
545+180.00	125	449,368.046	6,503,941.840	-2.00%	-2.00%	-5.2	5.2	-0.010	0.029	0.064	818.166	818.023	817.988	818.156	818.052	818.052	818.281	818.177	818.177
545+200.00	125	449,366.257	6,503,961.760	-2.00%	-2.00%	-5.2	5.2	-0.010	0.007	0.082	817.650	817.529	817.454	817.640	817.536	817.536	817.765	817.661	817.661
545+220.00	125	449,364.467	6,503,981.680	-2.00%	-2.00%	-5.2	5.2	-0.005	0.020	0.083	817.112	816.983	816.920	817.107	817.003	817.003	817.232	817.128	817.128
545+240.00	125	449,362.678	6,504,001.599	-2.00%	-2.00%	-5.2	5.2	-0.005	0.016	0.053	816.510	816.385	816.348	816.505	816.401	816.401	816.630	816.526	816.526
545+260.00	125	449,360.888	6,504,021.519	-2.00%	-2.00%	-5.2	5.2	-0.005	0.021	0.033	815.853	815.723	815.711	815.848	815.744	815.744	815.973	815.869	815.869
545+280.00	125	449,359.099	6,504,041.439	-2.00%	-2.00%	-5.2	5.2	-0.005	0.043	0.066	815.179	815.027	815.004	815.174	815.07	815.07	815.299	815.195	815.195
545+300.00	125	449,357.309	6,504,061.359	-2.00%	-2.00%	-5.2	5.2	-0.005	0.070	0.084	814.436	814.257	814.243	814.431	814.327	814.327	814.556	814.452	814.452
545+320.00	125	449,355.520	6,504,081.279	-2.00%	-2.00%	-5.2	5.2	-0.025	0.033	0.062	813.642	813.480	813.451	813.617	813.513	813.513	813.742	813.638	813.638
545+340.00	125	449,353.730	6,504,101.198	-2.00%	-2.00%	-5.2	5.2	-0.025	0.009	0.034	812.805	812.667	812.642	812.780	812.676	812.676	812.905	812.801	812.801
545+360.00	125	449,351.941	6,504,121.118	-2.00%	-2.00%	-5.2	5.2	-0.020	0.029	0.115	811.969	811.816	811.730	811.949	811.845	811.845	812.074	811.970	811.97
545+380.00	125	449,350.151	6,504,141.038	-2.00%	-2.00%	-5.2	5.2	0.000	0.010	0.091	811.141	811.027	810.946	811.141	811.037	811.037	811.266	811.162	811.162
545+400.00	125	449,348.362	6,504,160.958	-2.00%	-2.00%	-5.2	5.2	0.000	-0.058	0.049	810.276	810.230	810.123	810.276	810.172	810.172	810.401	810.297	810.297
545+420.00	125	449,346.572	6,504,180.877	-2.00%	-2.00%	-5.2	5.2	0.000	-0.040	0.085	809.488	809.424	809.299	809.488	809.384	809.384	809.613	809.509	809.509
545+440.00	125	449,344.783	6,504,200.797	-2.00%	-2.00%	-5.2	5.2	0.000	0.000	0.081	808.648	808.544	808.463	808.648	808.544	808.544	808.773	808.669	808.669
545+443.80	125	449,344.443	6,504,204.577	-2.00%	-2.00%	-5.2	5.2	-0.002	0.003	0.089	808.485	808.376	808.302	808.483	808.379	808.391	808.608	808.504	808.516
545+460.00	125	449,342.993	6,504,220.717	-2.00%	-0.80%	-5.2	5.2	-0.025	-0.010	0.068	807.807	807.688	807.673	807.782	807.678	807.741	807.907	807.803	807.866
545+470.46	125	449,342.057	6,504,231.137	-2.00%	0.00%	-5.2	5.2	-0.035	0.010	0.096	807.398	807.249	807.267	807.363	807.259	807.363	807.488	807.384	807.488
545+480.00	125	449,341.199	6,504,240.636	-2.00%	0.70%	-5.201	5.199	-0.030	0.031	0.122	807.012	806.847	806.897	806.982	806.878	807.019	807.107	807.003	807.144
545+497.13	125	449,339.582	6,504,257.688	-2.00%	2.00%	-5.2	5.2	-0.030	0.042	0.079	806.234	806.050	806.227	806.204	806.092	806.306	806.329	806.217	806.431
545+500.00	125	449,339.293	6,504,260.545	-2.20%	2.20%	-5.2	5.2	-0.030	0.039	0.068	806.097	805.913	806.114	806.067	805.952	806.182	806.192	806.077	806.307
545+520.00	125	449,337.052	6,504,280.419	-3.70%	3.70%	-5.2	5.2	-0.025	0.011	0.045	805.167	804.938	805.290	805.142	804.949	805.335	805.267	805.074	805.46
545+540.00	125	449,334.254	6,504,300.221	-5.20%	5.20%	-5.2	5.2	-0.025	-0.010	0.084	804.200	803.914	804.362	804.175	803.904	804.446	804.300	804.029	804.571
545+550.46	125	449,332.494	6,504,310.534	-6.00%	6.00%	-5.2	5.2	-0.020	-0.019	0.116	803.673	803.361	803.845	803.653	803.342	803.961	803.778	803.467	804.086
545+560.00	125	449,330.682	6,504,319.898	-6.00%	6.00%	-5.2	5.2	-0.026	-0.012	0.103	803.181	802.859	803.368	803.155	802.847	803.471	803.280	802.972	803.596
545+580.00	125	449,326.225	6,504,339.393	-6.00%	6.00%	-5.2	5.2	-0.026	-0.012	0.113	802.162	801.836	802.335	802.136	801.824	802.448	802.261	801.949	802.573
545+600.00	125	449,320.887	6,504,358.666	-6.00%	6.00%	-5.2	5.2	-0.031	-0.013	0.106	801.050	800.723	801.228	801.019	800.71	801.334	801.144	800.835	801.459
545+620.00	125	449,314.681	6,504,377.677	-6.00%	6.00%	-5.2	5.2	-0.032	-0.012	0.066	799.844	799.516	800.062	799.812	799.504	800.128	799.937	799.629	800.253
545+640.00	125	449,307.618	6,504,396.386	-6.00%	6.00%	-5.2	5.2	-0.027	-0.016	0.060	798.669	798.347	798.895	798.642	798.331	798.955	798.767	798.456	799.08
545+660.00	125	449,299.713	6,504,414.756	-6.00%	6.00%	-5.2	5.2	-0.029	0.017	0.105	797.542	797.187	797.723	797.513	797.204	797.828	797.638	797.329	797.953
545+680.00	125	449,290.983	6,504,432.748	-6.00%	6.00%	-5.2	5.2	-0.037	0.016	0.052	796.400	796.039	796.627	796.363	796.055	796.679	796.488	796.180	796.804
545+700.00	125	449,281.445	6,504,450.325	-6.00%	6.00%	-5.2	5.2	-0.032	0.038	0.034	795.314	794.933	795.561	795.282	794.971	795.595	795.407	795.096	795.72
545+720.00	125	449,271.119	6,504,467.451	-6.00%	6.00%	-5.2	5.2	-0.035	0.017	0.065	794.267	793.905	794.481	794.232	793.922	794.546	794.357	794.047	794.671
545+740.00	125	449,260.026	6,504,484.091	-6.00%	6.00%	-5.2	5.2	-0.037	-0.044	0.132	793.326	793.024	793.472	793.289	792.98	793.604	793.414	793.105	793.729
545+760.00	125	449,248.189	6,504,500.210	-6.00%	6.00%	-5.2	5.2	0.018	-0.040	0.158	792.418	792.165	792.591	792.436	792.125	792.749	792.561	792.250	792.874
545+780.00	125	449,235.633	6,504,515.776	-6.00%	6.00%	-5.2	5.2	0.027	-0.045	0.214	791.624	791.386	791.751	791.651	791.341	791.965	791.776	791.466	792.09
545+800.00	125	449,222.384	6,504,530.755	-6.00%	6.00%	-5.2	5.2	0.024	-0.041	0.218	790.902	790.659	791.024	790.926	790.618	791.242	791.051	790.743	791.367
545+820.00	125	449,208.468	6,504,545.118	-6.00%	6.00%	-5.2	5.2	-0.003	-0.028	0.064	790.257	789.971	790.503	790.254	789.943	790.567	790.379	790.068	790.692
545+840.00	125	449,193.915	6,504,558.834	-6.00%	6.00%	-5.2	5.2	-0.026	0.020	0.032	789.777	789.421	790.033	789.751	789.441	790.065	789.876	789.566	790.19
545+860.00	125	449,178.754	6,504,571.876	-6.00%	6.00%	-5.2	5.2	-0.033	-0.004	0.001	789.334	788.996	789.615	789.301	788.992	789.616	789.426	789.117	789.741
545+880.00	125	449,163.017	6,504,584.216	-6.00%	6.00%	-5.2	5.2	-0.029	0.033	0.047	789.027	788.655	789.265	788.998	788.688	789.312	789.123	788.813	789.437
545+900.00	125	449,146.737	6,504,595.829	-6.00%	6.00%	-5.2	5.2	-0.039	0.019	0.052	788.798	788.430	789.021	788.759	788.449	789.073	788.884	788.574	789.198
545+920.00	125	449,129.945	6,504,606.691	-6.00%	6.00%	-5.2	5.2	-0.039	0.014	0.027	788.614	788.252	788.863	788.575	788.266	788.89	788.700	788.391	789.015
545+940.00	125	449,112.678	6,504,616.780	-6.00%	6.00%	-5.2	5.2	-0.035	0.012	0.036	788.433	788.077	788.677	788.398	788.089	788.713	788.523	788.214	788.838
545+960.00	125	449,094.971	6,504,626.075	-6.00%	6.00%	-5.2	5.2	-0.029	0.026	0.063	788.303	787.938	788.525	788.274	787.964	788.588	788.399	788.089	788.713
545+980.00	125	449,076.861	6,504,634.556	-6.00%	6.00%	-5.2	5.2	-0.033	0.053	0.021	788.357	787.963	788.619	788.324	788.016	788.64	788.449	788.141	788.765
546+000.00	125	449,058.384	6,504,642.207	-6.00%	6.00%	-5.2	5.2	-0.030	0.001	0.008	788.638	788.298	788.915	788.608	788.299	788.923	788.733	788.424	789.048
546+020.00	125	449,039.579	6,504,649.011	-6.00%	6.00%	-5.2	5.2	-0.019	0.006	0.031	788.923	788.588	789.187	788.904	788.594	789.218	789.029	788.719	789.343
546+040.00	125	449,020.484	6,504,654.955	-6.00%	6.00%	-5.2	5.2	-0.019	0.003	0.047	789.249	788.919	789.499	789.230	788.922	789.546	789.355	789.047	789.671
546+060.00	125	449,001.139	6,504,660.026	-6.00%	6.00%	-5.2	5.2	-0.015	-0.002	0.058	789.688	789.365	789.929	789.673	789.363	789.987	789.798	789.488	790.112
546+080.00	125	448,981.584	6,504,664.214	-6.00%	6.00%	-5.2	5.2	-0.013	0.026	0.055	790.163	789.814	790.409	790.150	789.84	790.464	790.275	789.965	790.589
546+100.00	125	448,961.860	6,504,667.510	-6.00%	6.00%	-5.2	5.2	-0.012	-0.028	0.075	790.695	790.403	790.924	790.683	790.375	790.999	790.808	790.500	791.124
546+120.00	125	448,942.006	6,504,669.907	-6.00%	6.00%	-5.2	5.2	0.010	-0.041	0.115	791.337	791.079	791.547	791.347	791.038	791.662	791.472	791.163	791.787
546+140.00	125	448,922.063	6,504,671.400	-6.00%	6.00%	-5.2	5.2	-0.008	-0.034	0.085	792.032	791.748	792.253	792.024	791.714	792.338	792.149	791.839	792.463
546+160.00	125	448,902.073	6,504,671.987	-6.00%	6.00%	-5.2	5.2	-0.012	-0.033	0.028	792.716	792.429	792.992	792.704	792.396	793.02	792.829	792.521	793.145
546+180.00	125	448,882.078	6,504,671.666	-6.00%	6.00%	-5.2	5.2	-0.036	-0.024	-0.011	793.420	793.099	793.710	793.384	793.075	793.699	793.509	793.200	793.824

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
546+200.00	125	448,862.117	6,504,670.438	-6.00%	6.00%	-5.2	5.2	-0.032	-0.006	0.023	794.056	793.719	794.314	794.024	793.713	794.337	794.149	793.838	794.462
546+220.00	125	448,842.233	6,504,668.305	-6.00%	6.00%	-5.2	5.2	-0.027	-0.018	0.046	794.654	794.337	794.897	794.627	794.319	794.943	794.752	794.444	795.068
546+240.00	125	448,822.466	6,504,665.272	-6.00%	6.00%	-5.2	5.2	-0.026	0.008	0.023	795.335	794.992	795.601	795.309	795	795.624	795.434	795.125	795.749
546+260.00	125	448,802.857	6,504,661.345	-6.00%	6.00%	-5.2	5.2	-0.022	0.070	0.044	796.011	795.608	796.258	795.989	795.678	796.302	796.114	795.803	796.427
546+280.00	125	448,783.447	6,504,656.532	-6.00%	6.00%	-5.2	5.2	-0.022	0.047	0.039	796.567	796.189	796.821	796.545	796.236	796.86	796.670	796.361	796.985
546+300.00	125	448,764.275	6,504,650.843	-6.00%	6.00%	-5.2	5.2	-0.022	0.056	0.015	797.052	796.665	797.330	797.030	796.721	797.345	797.155	796.846	797.47
546+320.00	125	448,745.381	6,504,644.289	-6.00%	6.00%	-5.2	5.2	-0.017	0.080	-0.028	797.458	797.050	797.782	797.441	797.13	797.754	797.566	797.255	797.879
546+340.00	125	448,726.804	6,504,636.885	-6.00%	6.00%	-5.2	5.2	-0.003	0.042	0.004	797.870	797.517	798.179	797.867	797.559	798.183	797.992	797.684	798.308
546+360.00	125	448,708.582	6,504,628.645	-6.00%	6.00%	-5.2	5.2	-0.022	0.013	0.005	798.386	798.042	798.674	798.364	798.055	798.679	798.489	798.180	798.804
546+380.00	125	448,690.753	6,504,619.587	-6.00%	6.00%	-5.2	5.2	0.010	0.079	0.010	798.900	798.519	799.212	798.910	798.598	799.222	799.035	798.723	799.347
546+400.00	125	448,673.353	6,504,609.729	-6.00%	6.00%	-5.2	5.2	0.021	0.146	-0.011	799.351	798.918	799.699	799.372	799.064	799.688	799.497	799.189	799.813
546+420.00	125	448,656.419	6,504,599.091	-6.00%	6.00%	-5.2	5.2	-0.004	0.115	-0.019	799.759	799.332	800.090	799.755	799.447	800.071	799.880	799.572	800.196
546+440.00	125	448,639.985	6,504,587.695	-6.00%	6.00%	-5.2	5.2	-0.010	0.059	0.015	800.142	799.761	800.429	800.132	799.82	800.444	800.257	799.945	800.569
546+460.00	125	448,624.085	6,504,575.566	-6.00%	6.00%	-5.2	5.2	-0.021	0.041	-0.005	800.485	800.114	800.784	800.464	800.155	800.779	800.589	800.280	800.904
546+480.00	125	448,608.752	6,504,562.727	-6.00%	6.00%	-5.2	5.2	-0.018	0.059	-0.024	800.781	800.396	801.103	800.763	800.455	801.079	800.888	800.580	801.204
546+500.00	125	448,594.018	6,504,549.206	-6.00%	6.00%	-5.2	5.2	-0.011	0.080	-0.033	801.070	800.668	801.405	801.059	800.748	801.372	801.184	800.873	801.497
546+515.55	125	448,582.998	6,504,538.242	-6.00%	6.00%	-5.2	5.2	-0.011	0.089	-0.047	801.305	800.903	801.633	801.294	800.992	801.586	801.419	801.117	801.711
546+520.00	125	448,579.912	6,504,535.030	-5.70%	5.70%	-5.2	5.2	0.000	0.105	-0.029	801.349	800.950	801.673	801.349	801.055	801.644	801.474	801.180	801.769
546+540.00	125	448,566.413	6,504,520.274	-4.20%	4.20%	-5.2	5.2	0.025	0.192	-0.060	801.523	801.139	801.825	801.548	801.331	801.765	801.673	801.456	801.89
546+560.00	125	448,553.386	6,504,505.099	-2.70%	2.70%	-5.2	5.2	0.025	0.230	-0.041	801.703	801.360	801.908	801.728	801.59	801.867	801.853	801.715	801.992
546+568.88	125	448,547.711	6,504,498.270	-2.00%	2.00%	-5.2	5.2	0.003	0.229	-0.008	801.805	801.472	801.923	801.808	801.701	801.915	801.933	801.826	802.04
546+580.00	125	448,540.667	6,504,489.665	-2.00%	2.00%	-5.2	5.2	0.000	0.214	0.078	801.933	801.615	801.959	801.933	801.829	802.037	802.058	801.954	802.162
546+595.55	125	448,530.884	6,504,477.583	-2.00%	2.00%	-5.2	5.2	-0.025	0.179	0.081	801.995	801.687	801.983	801.970	801.866	802.064	802.095	801.991	802.189
546+600.00	125	448,528.085	6,504,474.118	-2.00%	1.70%	-5.2	5.2	-0.025	0.175	0.079	802.009	801.705	801.992	801.984	801.88	802.071	802.109	802.005	802.196
546+620.00	125	448,515.517	6,504,458.560	-2.00%	0.20%	-5.2	5.2	-0.050	0.114	0.041	802.033	801.765	801.950	801.983	801.879	801.991	802.108	802.004	802.116
546+640.00	125	448,502.949	6,504,443.003	-2.00%	-1.30%	-5.2	5.2	-0.045	0.097	0.010	802.038	801.792	801.914	801.993	801.889	801.924	802.118	802.014	802.049
546+648.88	125	448,497.369	6,504,436.095	-2.00%	-2.00%	-5.2	5.2	-0.051	0.080	-0.001	802.037	801.802	801.903	801.986	801.882	801.902	802.111	802.007	802.027
546+660.00	125	448,490.381	6,504,427.445	-2.00%	-2.00%	-5.2	5.2	-0.025	0.096	-0.012	802.003	801.778	801.886	801.978	801.874	801.874	802.103	801.999	801.999
546+680.00	125	448,477.813	6,504,411.887	-2.00%	-2.00%	-5.2	5.2	0.000	0.108	-0.042	801.925	801.713	801.863	801.925	801.821	801.821	802.050	801.946	801.946
546+700.00	125	448,465.245	6,504,396.330	-2.00%	-2.00%	-5.2	5.2	-0.025	0.084	-0.037	801.877	801.664	801.785	801.852	801.748	801.748	801.977	801.873	801.873
546+720.00	125	448,452.677	6,504,380.772	-2.00%	-2.00%	-5.2	5.2	0.000	0.088	-0.035	801.791	801.599	801.722	801.791	801.687	801.687	801.916	801.812	801.812
546+740.00	125	448,440.108	6,504,365.214	-2.00%	-2.00%	-5.2	5.2	0.000	0.090	-0.023	801.654	801.460	801.573	801.654	801.55	801.55	801.779	801.675	801.675
546+760.00	125	448,427.540	6,504,349.656	-2.00%	-2.00%	-5.2	5.2	0.000	0.065	-0.016	801.507	801.338	801.419	801.507	801.403	801.403	801.632	801.528	801.528
546+780.00	125	448,414.972	6,504,334.099	-2.00%	-2.00%	-5.2	5.2	0.000	0.062	0.010	801.379	801.213	801.265	801.379	801.275	801.275	801.504	801.400	801.4
546+800.00	125	448,402.404	6,504,318.541	-2.00%	-2.00%	-5.2	5.2	0.000	0.077	-0.006	801.248	801.067	801.150	801.248	801.144	801.144	801.373	801.269	801.269
546+820.00	125	448,389.836	6,504,302.983	-2.00%	-2.00%	-5.2	5.2	-0.010	0.075	-0.026	801.113	800.924	801.025	801.103	800.999	800.999	801.228	801.124	801.124
546+840.00	125	448,377.268	6,504,287.426	-2.00%	-2.00%	-5.2	5.2	-0.025	0.055	-0.021	800.979	800.795	800.871	800.954	800.85	800.85	801.079	800.975	800.975
546+860.00	125	448,364.700	6,504,271.868	-2.00%	-2.00%	-5.2	5.2	-0.015	0.092	-0.029	800.837	800.626	800.747	800.822	800.718	800.718	800.947	800.843	800.843
546+880.00	125	448,352.132	6,504,256.310	-2.00%	-2.00%	-5.2	5.2	-0.005	0.140	-0.037	800.700	800.451	800.628	800.695	800.591	800.591	800.820	800.716	800.716
546+900.00	125	448,339.564	6,504,240.752	-2.00%	-2.00%	-5.2	5.2	-0.005	0.122	-0.029	800.600	800.369	800.520	800.595	800.491	800.491	800.720	800.616	800.616
546+920.00	125	448,326.995	6,504,225.195	-2.00%	-2.00%	-5.2	5.2	-0.020	0.101	-0.036	800.506	800.281	800.418	800.486	800.382	800.382	800.611	800.507	800.507
546+940.00	125	448,314.427	6,504,209.637	-2.00%	-2.00%	-5.2	5.2	0.000	0.121	-0.057	800.331	800.106	800.284	800.331	800.227	800.227	800.456	800.352	800.352
546+960.00	125	448,301.859	6,504,194.079	-2.00%	-2.00%	-5.2	5.2	0.000	0.115	-0.029	800.206	799.987	800.131	800.206	800.102	800.102	800.331	800.227	800.227
546+980.00	125	448,289.291	6,504,178.521	-2.00%	-2.00%	-5.2	5.2	0.005	0.114	-0.016	800.137	799.924	800.054	800.142	800.038	800.038	800.267	800.163	800.163
547+000.00	125	448,276.723	6,504,162.964	-2.00%	-2.00%	-5.2	5.2	0.005	0.111	-0.030	800.061	799.851	799.992	800.066	799.962	799.962	800.191	800.087	800.087
547+020.00	125	448,264.155	6,504,147.406	-2.00%	-2.00%	-5.2	5.2	0.000	0.094	-0.044	799.912	799.714	799.852	799.912	799.808	799.808	800.037	799.933	799.933
547+040.00	125	448,251.587	6,504,131.848	-2.00%	-2.00%	-5.2	5.2	-0.015	0.075	-0.028	799.835	799.641	799.744	799.820	799.716	799.716	799.945	799.841	799.841
547+060.00	125	448,239.019	6,504,116.291	-2.00%	-2.00%	-5.2	5.2	-0.015	0.075	-0.014	799.764	799.570	799.659	799.749	799.645	799.645	799.874	799.770	799.77
547+080.00	125	448,226.451	6,504,100.733	-2.00%	-2.00%	-5.2	5.2	-0.015	0.073	0.005	799.691	799.499	799.567	799.676	799.572	799.572	799.801	799.697	799.697
547+100.00	125	448,213.883	6,504,085.175	-2.00%	-2.00%	-5.2	5.2	-0.015	0.055	-0.030	799.596	799.422	799.507	799.581	799.477	799.477	799.706	799.602	799.602
547+120.00	125	448,201.314	6,504,069.617	-2.00%	-2.00%	-5.2	5.2	0.001	0.058	-0.016	799.499	799.337	799.411	799.500	799.395	799.395	799.625	799.520	799.52
547+140.00	125	448,188.746	6,504,054.060	-2.00%	-2.00%	-5.2	5.2	0.005	0.042	-0.006	799.404	799.263	799.311	799.409	799.305	799.305	799.534	799.430	799.43
547+160.00	125	448,176.178	6,504,038.502	-2.00%	-2.00%	-5.2	5.2	0.015	0.007	0.025	799.324	799.228	799.210	799.339	799.235	799.235	799.464	799.360	799.36
547+170.15	125	448,169.800	6,504,030.606	-2.00%	-2.00%	-5.2	5.2	0.014	-0.010	0.036	799.294	799.217	799.168	799.308	799.207	799.204	799.433	799.332	799.329
547+180.00	125	448,163.610	6,504,022.944	-1.30%	-2.00%	-5.2	5.2	0.010	-0.019	0.036	799.263	799.226	799.133	799.273	799.207	799.169	799.398	799.332	799.294
547+196.82	125	448,153.042	6,504,009.863	0.00%	-2.00%	-5.2	5.2	0.012	-0.006	0.068	799.220	799.238	799.060	799.232	799.232	799.128	799.357	799.357	799.253
547+200.00	125	448,151.042	6,504,007.387	0.20%	-2.00%	-5.2	5.2	0.010	-0.008	0.079	799.214	799.244	799.041	799.224	799.236	799.12	799.349	799.361	799.245
547+220.00	125	448,138.429	6,503,991.866	1.70%	-2.00%	-5.199	5.201	-0.015	-0.005	0.093	799.160	799.241	798.948	799.145	799.236	799.041	799.270	799.361	799.166
547+223.48	125	448,136.216	6,503,989.175	2.00%	-2.00%	-5.2	5.2	-0.017	0.004	0.079	799.147	799.227	798.938	799.130	799.231	799.017	799.255	799.356	799.142
547+240.00	125	448,125.614	6,503,976.510	3.20%	-3.20%	-5.2	5.2	-0.010	0.025	0.042	799.063	799.196	798.842	799.053	799.221	798.884	799.178	799.346	799.009
547+260.00	125	448,112.432	6,503,961.471	4.70%	-4.70%	-5.2	5.2	-0.010	0.020	0.020	798.965	799.181	798.688	798.955	799.201	798.708	799.080	799.326	798.833
547+276.82	125	448,100.947	6,503,949.187	6.00%	-6.00%	-5.2	5.2	-0.010	0.028	0.005	798.882	799.138	798.564	798.872	799.166	798.569	798.997	799.291	798.694

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
547+280.00	125	448,098.724	6,503,946.909	6.00%	-6.00%	-5.2	5.2	-0.010	0.043	0.008	798.863	799.122	798.533	798.853	799.165	798.541	798.978	799.290	798.666
547+300.00	125	448,084.392	6,503,932.962	6.00%	-6.00%	-5.2	5.2	-0.011	0.042	0.012	798.770	799.029	798.435	798.759	799.071	798.447	798.884	799.196	798.572
547+320.00	125	448,069.448	6,503,919.673	6.00%	-6.00%	-5.2	5.2	-0.010	0.037	0.024	798.764	799.029	798.418	798.754	799.066	798.442	798.879	799.191	798.567
547+340.00	125	448,053.922	6,503,907.068	6.00%	-6.00%	-5.2	5.2	-0.010	0.049	0.033	798.826	799.079	798.471	798.816	799.128	798.504	798.941	799.253	798.629
547+360.00	125	448,037.845	6,503,895.174	6.00%	-6.00%	-5.2	5.2	-0.010	0.020	0.001	798.878	799.160	798.555	798.868	799.18	798.556	798.993	799.305	798.681
547+380.00	125	448,021.250	6,503,884.015	6.00%	-6.00%	-5.2	5.2	-0.010	0.001	-0.004	798.999	799.300	798.681	798.989	799.301	798.677	799.114	799.426	798.802
547+400.00	125	448,004.170	6,503,873.612	6.00%	-6.00%	-5.2	5.2	-0.010	0.010	0.002	799.218	799.510	798.894	799.208	799.52	798.896	799.333	799.645	799.021
547+420.00	125	447,986.640	6,503,863.987	6.00%	-6.00%	-5.2	5.2	-0.011	0.016	0.006	799.518	799.803	799.189	799.507	799.819	799.195	799.632	799.944	799.32
547+440.00	125	447,968.696	6,503,855.160	6.00%	-6.00%	-5.2	5.2	-0.005	0.043	0.002	799.866	800.130	799.547	799.861	800.173	799.549	799.986	800.298	799.674
547+460.00	125	447,950.373	6,503,847.147	6.00%	-6.00%	-5.2	5.2	-0.005	0.053	-0.033	800.253	800.507	799.969	800.248	800.56	799.936	800.373	800.685	800.061
547+470.55	125	447,940.564	6,503,843.253	6.00%	-6.00%	-5.2	5.2	-0.003	0.086	-0.044	800.482	800.701	800.213	800.479	800.787	800.169	800.604	800.912	800.294
547+480.00	125	447,931.709	6,503,839.962	5.30%	-5.30%	-5.2	5.2	-0.005	0.082	-0.020	800.719	800.907	800.459	800.714	800.989	800.439	800.839	801.114	800.564
547+500.00	125	447,912.777	6,503,833.517	3.80%	-3.80%	-5.2	5.2	-0.005	0.080	0.058	801.252	801.365	800.992	801.247	801.445	801.05	801.372	801.570	801.175
547+520.00	125	447,893.669	6,503,827.612	2.30%	-2.30%	-5.2	5.2	0.005	-0.022	0.138	801.755	801.902	801.503	801.760	801.88	801.641	801.885	802.005	801.766
547+523.89	125	447,889.941	6,503,826.509	2.00%	-2.00%	-5.2	5.2	0.005	-0.019	0.144	801.860	801.995	801.608	801.865	801.976	801.752	801.990	802.101	801.877
547+540.00	125	447,874.463	6,503,822.036	2.00%	-2.00%	-5.199	5.201	-0.025	-0.006	0.104	802.302	802.387	802.069	802.277	802.381	802.173	802.402	802.506	802.298
547+550.55	125	447,864.310	6,503,819.153	2.00%	-2.00%	-5.2	5.2	-0.025	0.019	0.090	802.628	802.686	802.409	802.603	802.705	802.499	802.728	802.830	802.624
547+560.00	125	447,855.222	6,503,816.578	1.30%	-2.00%	-5.2	5.2	-0.025	-0.024	0.048	802.889	802.955	802.712	802.864	802.931	802.76	802.989	803.056	802.885
547+580.00	125	447,835.980	6,503,811.124	-0.20%	-2.00%	-5.2	5.2	-0.020	-0.034	0.077	803.547	803.550	803.346	803.527	803.516	803.423	803.652	803.641	803.548
547+600.00	125	447,816.737	6,503,805.671	-1.70%	-2.00%	-5.2	5.2	0.010	-0.032	0.111	804.270	804.223	804.065	804.280	804.191	804.176	804.405	804.316	804.301
547+603.89	125	447,812.999	6,503,804.612	-2.00%	-2.00%	-5.2	5.2	0.024	-0.004	0.125	804.413	804.349	804.208	804.437	804.345	804.333	804.562	804.470	804.458
547+620.00	125	447,797.495	6,503,800.218	-2.00%	-2.00%	-5.2	5.2	0.005	-0.019	0.096	805.084	805.004	804.889	805.089	804.985	804.985	805.214	805.110	805.11
547+640.00	125	447,778.253	6,503,794.765	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.021	0.091	805.852	805.759	805.647	805.842	805.738	805.738	805.967	805.863	805.863
547+660.00	125	447,759.011	6,503,789.312	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.001	0.107	806.582	806.469	806.361	806.572	806.468	806.468	806.697	806.593	806.593
547+680.00	125	447,739.769	6,503,783.859	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.014	0.052	807.274	807.164	807.098	807.254	807.15	807.15	807.379	807.275	807.275
547+700.00	125	447,720.526	6,503,778.405	-2.00%	-2.00%	-5.2	5.2	-0.035	-0.006	0.040	808.028	807.895	807.849	807.993	807.889	807.889	808.118	808.014	808.014
547+720.00	125	447,701.284	6,503,772.952	-2.00%	-2.00%	-5.2	5.2	-0.010	0.015	0.042	808.800	808.671	808.644	808.790	808.686	808.686	808.915	808.811	808.811
547+740.00	125	447,682.042	6,503,767.499	-2.00%	-2.00%	-5.2	5.2	0.005	0.066	0.046	809.581	809.416	809.436	809.586	809.482	809.482	809.711	809.607	809.607
547+760.00	125	447,662.800	6,503,762.046	-2.00%	-2.00%	-5.2	5.2	0.005	0.104	0.047	810.292	810.089	810.146	810.297	810.193	810.193	810.422	810.318	810.318
547+780.00	125	447,643.558	6,503,756.593	-2.00%	-2.00%	-5.2	5.2	0.004	0.048	0.011	810.916	810.769	810.806	810.920	810.817	810.817	811.045	810.942	810.942
547+800.00	125	447,624.315	6,503,751.139	-2.00%	-2.00%	-5.2	5.2	0.005	0.028	0.011	811.534	811.407	811.424	811.539	811.435	811.435	811.664	811.560	811.56
547+820.00	125	447,605.073	6,503,745.686	-2.00%	-2.00%	-5.2	5.2	0.005	0.052	0.048	812.138	811.987	811.991	812.143	812.039	812.039	812.268	812.164	812.164
547+840.00	125	447,585.831	6,503,740.233	-2.00%	-2.00%	-5.2	5.2	0.005	0.034	0.066	812.664	812.531	812.499	812.669	812.565	812.565	812.794	812.690	812.69
547+860.00	125	447,566.589	6,503,734.780	-2.00%	-2.00%	-5.2	5.2	0.015	0.000	0.052	813.105	813.016	812.964	813.120	813.016	813.016	813.245	813.141	813.141
547+880.00	125	447,547.346	6,503,729.327	-2.00%	-2.00%	-5.2	5.2	0.005	0.022	0.035	813.553	813.432	813.419	813.558	813.454	813.454	813.683	813.579	813.579
547+900.00	125	447,528.104	6,503,723.874	-2.00%	-2.00%	-5.2	5.2	0.005	0.029	0.060	813.970	813.842	813.811	813.975	813.871	813.871	814.100	813.996	813.996
547+920.00	125	447,508.862	6,503,718.420	-2.00%	-2.00%	-5.2	5.2	-0.005	0.018	0.060	814.309	814.182	814.140	814.304	814.2	814.2	814.429	814.325	814.325
547+940.00	125	447,489.620	6,503,712.967	-2.00%	-2.00%	-5.2	5.2	0.010	-0.008	0.096	814.567	814.481	814.377	814.577	814.473	814.473	814.702	814.598	814.598
547+960.00	125	447,470.378	6,503,707.514	-2.00%	-2.00%	-5.2	5.2	0.000	-0.030	0.048	814.800	814.726	814.648	814.800	814.696	814.696	814.925	814.821	814.821
547+980.00	125	447,451.135	6,503,702.061	-2.00%	-2.00%	-5.2	5.2	0.020	-0.040	0.079	815.055	815.011	814.892	815.075	814.971	814.971	815.200	815.096	815.096
547+988.14	125	447,443.308	6,503,699.843	-2.00%	-2.00%	-5.2	5.2	0.006	-0.035	0.104	815.156	815.113	814.954	815.162	815.078	815.058	815.287	815.203	815.183
548+000.00	125	447,431.893	6,503,696.608	-1.10%	-2.00%	-5.2	5.2	0.020	-0.007	0.148	815.268	815.240	815.036	815.288	815.233	815.184	815.413	815.358	815.309
548+020.00	125	447,412.651	6,503,691.155	0.50%	-2.00%	-5.2	5.2	0.000	-0.031	0.145	815.378	815.435	815.129	815.378	815.404	815.274	815.503	815.529	815.399
548+039.05	125	447,394.327	6,503,685.962	2.00%	-2.00%	-5.2	5.2	-0.003	-0.006	0.135	815.368	815.472	815.126	815.365	815.466	815.261	815.490	815.591	815.386
548+040.00	125	447,393.409	6,503,685.701	2.00%	-2.00%	-5.2	5.2	0.000	-0.004	0.139	815.365	815.473	815.122	815.365	815.469	815.261	815.490	815.594	815.386
548+060.00	125	447,374.156	6,503,680.286	2.00%	-2.00%	-5.2	5.2	0.020	-0.064	0.184	815.309	815.497	815.041	815.329	815.433	815.225	815.454	815.558	815.35
548+064.50	125	447,369.818	6,503,679.089	2.00%	-2.00%	-5.2	5.2	0.020	-0.061	0.179	815.303	815.495	815.030	815.323	815.434	815.209	815.448	815.559	815.334
548+080.00	125	447,354.846	6,503,675.077	3.20%	-3.20%	-5.2	5.2	0.020	-0.023	0.144	815.266	815.477	814.975	815.286	815.454	815.119	815.411	815.579	815.244
548+100.00	125	447,335.433	6,503,670.272	4.80%	-4.80%	-5.2	5.2	0.000	-0.019	0.096	815.124	815.392	814.779	815.124	815.373	814.875	815.249	815.498	815
548+109.05	125	447,326.608	6,503,668.286	5.50%	-5.50%	-5.2	5.2	-0.009	-0.009	0.053	815.049	815.329	814.705	815.040	815.32	814.758	815.165	815.445	814.883
548+120.00	125	447,315.881	6,503,666.068	5.50%	-5.50%	-5.2	5.2	-0.010	-0.026	0.058	814.948	815.250	814.594	814.938	815.224	814.652	815.063	815.349	814.777
548+140.00	125	447,296.191	6,503,662.561	5.50%	-5.50%	-5.2	5.2	-0.010	0.019	0.110	814.780	815.037	814.374	814.770	815.056	814.484	814.895	815.181	814.609
548+160.00	125	447,276.390	6,503,659.760	5.50%	-5.50%	-5.2	5.2	-0.025	0.018	0.111	814.535	814.778	814.113	814.510	814.796	814.224	814.635	814.921	814.349
548+180.00	125	447,256.500	6,503,657.668	5.50%	-5.50%	-5.2	5.2	-0.011	-0.015	0.065	814.165	814.455	813.803	814.154	814.44	813.868	814.279	814.565	813.993
548+200.00	125	447,236.549	6,503,656.287	5.50%	-5.50%	-5.2	5.2	-0.010	0.013	0.012	813.757	814.020	813.449	813.747	814.033	813.461	813.872	814.158	813.586
548+220.00	125	447,216.561	6,503,655.620	5.50%	-5.50%	-5.2	5.2	-0.025	0.048	0.036	813.386	813.599	813.039	813.361	813.647	813.075	813.486	813.772	813.2
548+240.00	125	447,196.563	6,503,655.667	5.50%	-5.50%	-5.2	5.2	-0.035	0.063	0.028	812.988	813.176	812.639	812.953	813.239	812.667	813.078	813.364	812.792
548+260.00	125	447,176.578	6,503,656.427	5.50%	-5.50%	-5.2	5.2	-0.020	0.089	0.027	812.527	812.704	812.194	812.507	812.793	812.221	812.632	812.918	812.346
548+269.61	125	447,166.985	6,503,657.047	5.50%	-5.50%	-5.2	5.2	-0.020	0.075	0.028	812.288	812.476	811.955	812.268	812.551	811.983	812.393	812.676	812.108
548+280.00	125	447,156.633	6,503,657.897	4.70%	-4.70%	-5.2	5.2	-0.020	0.071	0.046	812.024	812.177	811.714	812.004	812.248	811.76	812.129	812.373	811.885
548+300.00	125	447,136.741	6,503,659.968	3.10%	-3.10%	-5.2	5.2	-0.020	0.048	0.084	811.481	811.575	811.215	811.461	811.623	811.299	811.586	811.748	811.424
548+314.16	125	447,122.688	6,503,661.689	2.00%	-2.00%	-5.2	5.2	-0.005	0.031	0.108	811.029	811.094	810.802	811.024	811.125	810.91	811.149	811.250	811.035

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
548+320.00	125	447,116.895	6,503,662.441	1.50%	-2.00%	-5.2	5.2	-0.005	0.020	0.099	810.820	810.875	810.612	810.815	810.895	810.711	810.940	811.020	810.836
548+339.61	125	447,097.458	6,503,665.060	0.00%	-2.00%	-5.2	5.2	-0.005	0.023	0.044	810.021	809.993	809.868	810.016	810.016	809.912	810.141	810.141	810.037
548+340.00	125	447,097.074	6,503,665.112	0.00%	-2.00%	-5.2	5.2	-0.005	0.023	0.042	810.003	809.974	809.852	809.998	809.997	809.894	810.123	810.122	810.019
548+360.00	125	447,077.258	6,503,667.815	-1.60%	-2.00%	-5.2	5.2	0.000	-0.012	0.023	809.076	809.005	808.949	809.076	808.993	808.972	809.201	809.118	809.097
548+365.07	125	447,072.237	6,503,668.500	-2.00%	-2.00%	-5.2	5.2	0.000	-0.018	0.018	808.836	808.765	808.713	808.836	808.747	808.731	808.961	808.872	808.856
548+380.00	125	447,057.441	6,503,670.518	-2.00%	-2.00%	-5.2	5.2	0.001	-0.027	-0.007	808.126	808.049	808.029	808.127	808.022	808.022	808.252	808.147	808.147
548+400.00	125	447,037.625	6,503,673.221	-2.00%	-2.00%	-5.2	5.2	0.000	-0.001	-0.029	807.204	807.101	807.129	807.204	807.1	807.1	807.329	807.225	807.225
548+411.58	125	447,026.153	6,503,674.786	-2.00%	-2.00%	-5.2	5.2	-0.009	0.006	-0.033	806.691	806.572	806.632	806.682	806.578	806.599	806.807	806.703	806.724
548+420.00	125	447,017.808	6,503,675.925	-2.00%	-1.30%	-5.2	5.2	0.000	0.028	-0.023	806.302	806.170	806.257	806.302	806.198	806.234	806.427	806.323	806.359
548+440.00	125	446,997.992	6,503,678.628	-2.00%	0.30%	-5.2	5.2	-0.020	0.059	0.003	805.376	805.193	805.369	805.356	805.252	805.372	805.481	805.377	805.497
548+460.00	125	446,978.175	6,503,681.331	-2.00%	1.90%	-5.2	5.2	-0.025	0.078	0.022	804.453	804.246	804.507	804.428	804.324	804.529	804.553	804.449	804.654
548+460.70	125	446,977.480	6,503,681.426	-2.00%	2.00%	-5.2	5.2	-0.025	0.078	0.018	804.420	804.213	804.478	804.395	804.291	804.496	804.520	804.416	804.621
548+480.00	125	446,958.354	6,503,684.001	-2.00%	2.00%	-5.2	5.2	-0.005	0.105	-0.036	803.518	803.304	803.653	803.513	803.409	803.617	803.638	803.534	803.742
548+485.26	125	446,953.135	6,503,684.677	-2.00%	2.00%	-5.2	5.2	-0.005	0.106	-0.037	803.284	803.058	803.427	803.279	803.164	803.39	803.404	803.289	803.515
548+500.00	125	446,938.506	6,503,686.456	-3.20%	3.20%	-5.2	5.2	-0.005	0.099	0.005	802.632	802.362	802.788	802.627	802.461	802.793	802.752	802.586	802.918
548+520.00	125	446,918.608	6,503,688.474	-4.80%	4.80%	-5.2	5.2	-0.010	0.042	0.051	801.706	801.403	801.896	801.696	801.445	801.947	801.821	801.570	802.072
548+530.70	125	446,907.938	6,503,689.296	-5.70%	5.70%	-5.2	5.2	-0.010	-0.007	0.079	801.224	800.927	801.426	801.214	800.92	801.505	801.339	801.045	801.63
548+540.00	125	446,898.656	6,503,689.833	-5.70%	5.70%	-5.2	5.2	-0.010	-0.011	0.066	800.795	800.500	801.016	800.785	800.489	801.082	800.910	800.614	801.207
548+560.00	125	446,878.666	6,503,690.415	-5.70%	5.70%	-5.2	5.2	-0.015	0.005	0.022	799.887	799.571	800.147	799.872	799.576	800.169	799.997	799.701	800.294
548+580.00	125	446,858.668	6,503,690.213	-5.70%	5.70%	-5.2	5.2	-0.010	0.002	0.044	798.954	798.645	799.196	798.944	798.647	799.24	799.069	798.772	799.365
548+600.00	125	446,838.694	6,503,689.227	-5.70%	5.70%	-5.2	5.2	-0.010	-0.008	0.096	798.050	797.751	798.240	798.040	797.743	798.336	798.165	797.868	798.461
548+620.00	125	446,818.773	6,503,687.459	-5.70%	5.70%	-5.2	5.2	-0.015	-0.009	0.096	797.152	796.849	797.337	797.137	796.84	797.433	797.262	796.965	797.558
548+640.00	125	446,798.937	6,503,684.911	-5.70%	5.70%	-5.2	5.2	-0.015	-0.012	0.070	796.230	795.930	796.441	796.215	795.918	796.511	796.340	796.043	796.636
548+660.00	125	446,779.217	6,503,681.587	-5.70%	5.70%	-5.2	5.154	-0.016	0.014	0.059	795.309	794.983	795.528	795.293	794.997	795.587	795.418	795.122	795.712
548+680.00	125	446,759.642	6,503,677.492	-5.70%	5.70%	-5.2	5.2	-0.015	0.028	0.015	794.398	794.059	794.664	794.383	794.087	794.679	794.508	794.212	794.804
548+700.00	125	446,740.242	6,503,672.634	-5.70%	5.70%	-5.2	5.2	-0.016	0.030	0.048	793.484	793.142	793.717	793.468	793.172	793.765	793.593	793.297	793.89
548+720.00	125	446,721.048	6,503,667.018	-5.70%	5.70%	-5.2	5.2	-0.025	0.014	0.113	792.607	792.272	792.766	792.582	792.286	792.879	792.707	792.411	793.004
548+740.00	125	446,702.089	6,503,660.654	-5.70%	5.70%	-5.2	5.2	-0.035	-0.014	0.167	791.736	791.418	791.830	791.701	791.404	791.997	791.826	791.529	792.122
548+760.00	125	446,683.394	6,503,653.552	-5.70%	5.70%	-5.2	5.2	-0.035	-0.011	0.096	790.767	790.446	790.932	790.732	790.435	791.028	790.857	790.560	791.153
548+774.79	125	446,669.754	6,503,647.831	-5.70%	5.70%	-5.2	5.2	-0.033	-0.002	0.056	790.085	789.769	790.273	790.052	789.767	790.329	790.177	789.892	790.454
548+780.00	125	446,664.991	6,503,645.723	-5.30%	5.30%	-5.2	5.2	-0.025	0.000	0.065	789.843	789.544	790.028	789.818	789.544	790.093	789.943	789.669	790.218
548+800.00	125	446,646.878	6,503,637.245	-3.60%	3.60%	-5.2	5.2	-0.025	0.027	0.008	788.913	788.671	789.069	788.888	788.698	789.077	789.013	788.823	789.202
548+820.00	125	446,628.983	6,503,628.315	-2.00%	2.00%	-5.2	5.2	-0.005	0.090	0.004	787.969	787.769	788.064	787.964	787.859	788.068	788.089	787.984	788.193
548+820.23	125	446,628.778	6,503,628.210	-2.00%	2.00%	-5.2	5.2	-0.005	0.090	0.003	787.958	787.758	788.053	787.953	787.848	788.056	788.078	787.973	788.181
548+840.00	125	446,611.213	6,503,619.137	-2.00%	0.40%	-5.201	5.199	0.000	0.083	-0.021	786.966	786.779	787.008	786.966	786.862	786.987	787.091	786.987	787.112
548+844.79	125	446,606.963	6,503,616.923	-2.00%	0.00%	-5.2	5.2	-0.003	0.082	-0.021	786.716	786.527	786.734	786.713	786.609	786.713	786.838	786.734	786.838
548+860.00	125	446,593.476	6,503,609.896	-2.00%	-1.20%	-5.2	5.2	0.020	0.068	0.006	785.888	785.736	785.838	785.908	785.804	785.844	786.033	785.929	785.969
548+867.85	125	446,586.516	6,503,606.271	-2.00%	-1.90%	-5.2	5.2	0.020	0.026	0.001	785.449	785.341	785.372	785.469	785.367	785.373	785.594	785.492	785.498
548+869.35	125	446,585.181	6,503,605.575	-1.90%	-2.00%	-5.2	5.2	0.018	0.025	0.005	785.368	785.265	785.284	785.386	785.29	785.289	785.511	785.415	785.414
548+880.00	125	446,575.738	6,503,600.656	-1.00%	-2.00%	-5.2	5.2	-0.005	0.019	0.013	784.803	784.725	784.681	784.798	784.744	784.694	784.923	784.869	784.819
548+900.00	125	446,558.001	6,503,591.415	0.50%	-2.00%	-5.2	5.2	-0.005	0.043	0.051	783.709	783.688	783.549	783.704	783.731	783.6	783.829	783.856	783.725
548+918.91	125	446,541.230	6,503,582.677	2.00%	-2.00%	-5.2	5.2	-0.015	0.062	0.040	782.631	782.654	782.472	782.616	782.716	782.512	782.741	782.841	782.637
548+920.00	125	446,540.264	6,503,582.174	2.00%	-2.00%	-5.2	5.2	-0.014	0.063	0.039	782.568	782.594	782.410	782.554	782.657	782.449	782.679	782.782	782.574
548+940.00	125	446,522.512	6,503,572.962	2.00%	-2.00%	-5.2	5.2	-0.015	0.027	0.076	781.417	781.479	781.222	781.402	781.506	781.298	781.527	781.631	781.423
548+944.44	125	446,518.560	6,503,570.932	2.00%	-2.00%	-5.2	5.2	-0.020	0.026	0.075	781.161	781.227	780.952	781.141	781.253	781.027	781.266	781.378	781.152
548+960.00	125	446,504.679	6,503,563.907	3.20%	-3.20%	-5.2	5.2	-0.015	0.031	0.034	780.199	780.320	779.982	780.184	780.351	780.016	780.309	780.476	780.141
548+978.91	125	446,487.679	6,503,555.624	4.70%	-4.70%	-5.2	5.2	-0.015	0.067	-0.015	778.995	779.151	778.754	778.980	779.218	778.739	779.105	779.343	778.864
548+980.00	125	446,486.695	6,503,555.158	4.70%	-4.70%	-5.2	5.2	-0.015	0.072	-0.016	778.925	779.082	778.682	778.910	779.154	778.666	779.035	779.279	778.791
549+000.00	125	446,468.507	6,503,546.840	4.70%	-4.70%	-5.2	5.2	-0.015	0.063	0.002	777.614	777.781	777.353	777.599	777.844	777.355	777.724	777.969	777.48
549+020.00	125	446,450.117	6,503,538.980	4.70%	-4.70%	-5.2	5.2	-0.005	0.026	0.022	776.246	776.459	775.974	776.241	776.485	775.996	776.366	776.610	776.121
549+040.00	125	446,431.536	6,503,531.582	4.70%	-4.70%	-5.2	5.2	-0.005	0.018	0.025	774.836	775.058	774.562	774.831	775.076	774.587	774.956	775.201	774.712
549+060.00	125	446,412.777	6,503,524.650	4.70%	-4.70%	-5.2	5.2	0.000	0.021	0.080	773.429	773.653	773.105	773.429	773.674	773.185	773.554	773.799	773.31
549+080.00	125	446,393.849	6,503,518.189	4.70%	-4.70%	-5.2	5.2	0.000	-0.022	-0.027	771.921	772.187	771.703	771.921	772.165	771.676	772.046	772.290	771.801
549+100.00	125	446,374.766	6,503,512.204	4.70%	-4.70%	-5.2	5.2	0.000	-0.010	0.018	770.390	770.645	770.128	770.390	770.635	770.146	770.515	770.760	770.271
549+120.00	125	446,355.540	6,503,506.698	4.70%	-4.70%	-5.2	5.2	-0.010	0.019	0.068	768.900	769.115	768.577	768.890	769.134	768.645	769.015	769.259	768.77
549+140.00	125	446,336.182	6,503,501.674	4.70%	-4.70%	-5.2	5.2	-0.020	-0.002	0.108	767.355	767.582	766.983	767.335	767.58	767.091	767.460	767.705	767.216
549+160.00	125	446,316.704	6,503,497.135	4.70%	-4.70%	-5.2	5.2	-0.010	-0.012	0.088	765.780	766.026	765.437	765.770	766.014	765.525	765.895	766.139	765.65
549+180.00	125	446,297.119	6,503,493.085	4.70%	-4.70%	-5.2	5.2	-0.010	0.023	0.092	764.246	764.457	763.900	764.236	764.48	763.992	764.361	764.605	764.117
549+200.00	125	446,277.439	6,503,489.525	4.70%	-4.70%	-5.2	5.2	-0.005	-0.005	0.094	762.744	762.988	762.401	762.739	762.983	762.495	762.864	763.108	762.62
549+220.00	125	446,257.676	6,503,486.459	4.70%	-4.70%	-5.2	5.2	-0.005	-0.009	0.120	761.244	761.492	760.874	761.239	761.483	760.994	761.364	761.608	761.119
549+240.00	125	446,237.842	6,503,483.888	4.70%	-4.70%	-5.2	5.2	-0.025	0.014	0.132	759.717	759.922	759.315	759.692	759.936	759.447	759.817	760.061	759.572
549+260.00	125	446,217.951	6,503,481.813	4.70%	-4.70%	-5.2	5.2	-0.051	0.028	0.063	758.195	758.361	757.837	758.144	758.389	757.9	758.269	758.514	758.025

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Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
549+267.89	125	446,210.094	6,503,481.131	4.70%	-4.70%	-5.2	5.2	-0.039	0.033	0.055	757.593	757.758	757.260	757.554	757.791	757.315	757.679	757.916	757.44
549+280.00	125	446,198.014	6,503,480.230	3.80%	-3.80%	-5.2	5.2	-0.030	-0.013	0.049	756.645	756.823	756.371	756.615	756.81	756.42	756.740	756.935	756.545
549+300.00	125	446,178.049	6,503,479.043	2.20%	-2.20%	-5.2	5.2	-0.010	-0.026	0.100	755.108	755.237	754.884	755.098	755.211	754.984	755.223	755.336	755.109
549+302.35	125	446,175.699	6,503,478.922	2.00%	-2.00%	-5.2	5.2	-0.008	-0.021	0.101	754.931	755.054	754.711	754.923	755.033	754.812	755.048	755.158	754.937
549+320.00	125	446,158.072	6,503,478.088	2.00%	-2.00%	-5.2	5.2	0.000	0.030	0.091	753.577	753.651	753.382	753.577	753.681	753.473	753.702	753.806	753.598
549+327.89	125	446,150.194	6,503,477.739	2.00%	-2.00%	-5.2	5.2	-0.004	0.016	0.076	752.954	753.018	752.770	752.950	753.034	752.846	753.075	753.159	752.971
549+340.00	125	446,138.092	6,503,477.205	1.10%	-2.00%	-5.2	5.2	-0.005	0.009	0.062	751.992	752.032	751.821	751.987	752.041	751.883	752.112	752.166	752.008
549+360.00	125	446,118.111	6,503,476.324	-0.50%	-2.00%	-5.2	5.2	-0.005	-0.005	0.030	750.407	750.380	750.268	750.402	750.375	750.298	750.527	750.500	750.423
549+378.95	125	446,099.180	6,503,475.489	-2.00%	-2.00%	-5.2	5.2	0.005	-0.018	-0.009	748.919	748.842	748.829	748.924	748.824	748.82	749.049	748.949	748.945
549+380.00	125	446,098.131	6,503,475.443	-2.00%	-2.00%	-5.2	5.2	0.005	-0.021	-0.010	748.838	748.760	748.749	748.843	748.739	748.739	748.968	748.864	748.864
549+400.00	125	446,078.150	6,503,474.562	-2.00%	-2.00%	-5.2	5.2	0.005	-0.016	-0.033	747.279	747.196	747.213	747.284	747.18	747.18	747.409	747.305	747.305
549+420.00	125	446,058.170	6,503,473.681	-2.00%	-2.00%	-5.2	5.2	0.015	0.034	0.016	745.747	745.624	745.642	745.762	745.658	745.658	745.887	745.783	745.783
549+440.00	125	446,038.189	6,503,472.800	-2.00%	-2.00%	-5.2	5.2	0.015	0.036	0.001	744.190	744.065	744.100	744.205	744.101	744.101	744.330	744.226	744.226
549+460.00	125	446,018.208	6,503,471.918	-2.00%	-2.00%	-5.2	5.2	0.015	0.048	-0.010	742.680	742.543	742.601	742.695	742.591	742.591	742.820	742.716	742.716
549+480.00	125	445,998.228	6,503,471.037	-2.00%	-2.00%	-5.2	5.2	0.020	0.036	-0.013	741.154	741.034	741.083	741.174	741.07	741.07	741.299	741.195	741.195
549+500.00	125	445,978.247	6,503,470.156	-2.00%	-2.00%	-5.2	5.2	0.020	0.019	-0.014	739.590	739.487	739.520	739.610	739.506	739.506	739.735	739.631	739.631
549+520.00	125	445,958.267	6,503,469.275	-2.00%	-2.00%	-5.2	5.2	0.015	0.024	-0.012	737.979	737.866	737.902	737.994	737.89	737.89	738.119	738.015	738.015
549+540.00	125	445,938.286	6,503,468.394	-2.00%	-2.00%	-5.2	5.2	0.015	0.059	-0.033	736.372	736.224	736.316	736.387	736.283	736.283	736.512	736.408	736.408
549+560.00	125	445,918.305	6,503,467.512	-2.00%	-2.00%	-5.2	5.2	0.020	0.055	-0.061	734.849	734.710	734.826	734.869	734.765	734.765	734.994	734.890	734.89
549+580.00	125	445,898.325	6,503,466.631	-2.00%	-2.00%	-5.2	5.2	0.020	0.021	-0.019	733.374	733.269	733.309	733.394	733.29	733.29	733.519	733.415	733.415
549+600.00	125	445,878.344	6,503,465.750	-2.00%	-2.00%	-5.2	5.2	0.015	0.005	0.020	731.925	731.831	731.816	731.940	731.836	731.836	732.065	731.961	731.961
549+620.00	125	445,858.364	6,503,464.869	-2.00%	-2.00%	-5.2	5.2	0.020	0.028	0.006	730.440	730.328	730.350	730.460	730.356	730.356	730.585	730.481	730.481
549+640.00	125	445,838.383	6,503,463.988	-2.00%	-2.00%	-5.2	5.2	0.020	0.024	0.013	728.862	728.754	728.765	728.882	728.778	728.778	729.007	728.903	728.903
549+660.00	125	445,818.403	6,503,463.107	-2.00%	-2.00%	-5.2	5.2	0.020	-0.005	0.012	727.229	727.150	727.133	727.249	727.145	727.145	727.374	727.270	727.27
549+680.00	125	445,798.422	6,503,462.225	-2.00%	-2.00%	-5.2	5.2	0.020	-0.019	0.037	725.668	725.603	725.547	725.688	725.584	725.584	725.813	725.709	725.709
549+700.00	125	445,778.441	6,503,461.344	-2.00%	-2.00%	-5.2	5.2	0.020	0.010	0.066	724.154	724.060	724.004	724.174	724.07	724.07	724.299	724.195	724.195
549+720.00	125	445,758.461	6,503,460.463	-2.00%	-2.00%	-5.2	5.2	0.005	-0.016	-0.021	722.593	722.510	722.515	722.598	722.494	722.494	722.723	722.619	722.619
549+740.00	125	445,738.480	6,503,459.582	-2.00%	-2.00%	-5.2	5.2	0.005	0.030	0.021	721.107	720.978	720.987	721.112	721.008	721.008	721.237	721.133	721.133
549+760.00	125	445,718.500	6,503,458.701	-2.00%	-2.00%	-5.2	5.2	0.005	0.048	0.027	719.581	719.434	719.455	719.586	719.482	719.482	719.711	719.607	719.607
549+780.00	125	445,698.519	6,503,457.820	-2.00%	-2.00%	-5.2	5.2	0.005	0.092	0.019	718.073	717.882	717.955	718.078	717.974	717.974	718.203	718.099	718.099
549+800.00	125	445,678.539	6,503,456.938	-2.00%	-2.00%	-5.2	5.2	0.005	0.095	0.022	716.474	716.280	716.353	716.479	716.375	716.375	716.604	716.500	716.5
549+820.00	125	445,658.558	6,503,456.057	-2.00%	-2.00%	-5.2	5.2	0.005	0.059	0.003	714.847	714.689	714.745	714.852	714.748	714.748	714.977	714.873	714.873
549+840.00	125	445,638.577	6,503,455.176	-2.00%	-2.00%	-5.2	5.2	0.010	-0.015	-0.036	713.204	713.125	713.146	713.214	713.11	713.11	713.339	713.235	713.235
549+860.00	125	445,618.597	6,503,454.295	-2.00%	-2.00%	-5.2	5.2	0.010	0.041	0.034	711.702	711.567	711.574	711.712	711.608	711.608	711.837	711.733	711.733
549+880.00	125	445,598.616	6,503,453.414	-2.00%	-2.00%	-5.2	5.2	0.005	0.076	0.031	710.223	710.048	710.093	710.228	710.124	710.124	710.353	710.249	710.249
549+900.00	125	445,578.636	6,503,452.533	-2.00%	-2.00%	-5.2	5.2	0.005	0.038	-0.006	708.688	708.551	708.595	708.693	708.589	708.589	708.818	708.714	708.714
549+920.00	125	445,558.655	6,503,451.651	-2.00%	-2.00%	-5.2	5.2	0.000	0.008	-0.002	707.144	707.032	707.042	707.144	707.04	707.04	707.269	707.165	707.165
549+940.00	125	445,538.674	6,503,450.770	-2.00%	-2.00%	-5.2	5.2	0.000	0.038	0.007	705.664	705.522	705.553	705.664	705.56	705.56	705.789	705.685	705.685
549+960.00	125	445,518.694	6,503,449.889	-2.00%	-2.00%	-5.2	5.2	-0.015	0.075	0.042	704.255	704.061	704.094	704.240	704.136	704.136	704.365	704.261	704.261
549+980.00	125	445,498.713	6,503,449.008	-2.00%	-2.00%	-5.2	5.2	-0.015	0.087	0.080	702.772	702.566	702.573	702.757	702.653	702.653	702.882	702.778	702.778
550+000.00	125	445,478.733	6,503,448.127	-2.00%	-2.00%	-5.2	5.2	-0.015	0.047	0.049	701.154	700.988	700.986	701.139	701.035	701.035	701.264	701.160	701.16
550+020.00	125	445,458.752	6,503,447.245	-2.00%	-2.00%	-5.2	5.2	-0.010	0.045	0.059	699.568	699.409	699.395	699.558	699.454	699.454	699.683	699.579	699.579
550+040.00	125	445,438.772	6,503,446.364	-2.00%	-2.00%	-5.2	5.2	-0.009	0.050	0.023	698.007	697.843	697.870	697.998	697.893	697.893	698.123	698.018	698.018
550+060.00	125	445,418.791	6,503,445.483	-2.00%	-2.00%	-5.2	5.2	-0.014	0.062	0.028	696.494	696.313	696.347	696.480	696.375	696.375	696.605	696.500	696.5
550+080.00	125	445,398.810	6,503,444.602	-2.00%	-2.00%	-5.2	5.2	-0.010	0.019	0.030	694.937	694.804	694.793	694.927	694.823	694.823	695.052	694.948	694.948
550+100.00	125	445,378.830	6,503,443.721	-2.00%	-2.00%	-5.2	5.2	-0.010	0.028	0.015	693.382	693.240	693.253	693.372	693.268	693.268	693.497	693.393	693.393
550+120.00	125	445,358.849	6,503,442.840	-2.00%	-2.00%	-5.2	5.2	-0.010	0.019	0.037	691.838	691.705	691.687	691.828	691.724	691.724	691.953	691.849	691.849
550+140.00	125	445,338.869	6,503,441.958	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.006	0.084	690.381	690.273	690.183	690.371	690.267	690.267	690.496	690.392	690.392
550+160.00	125	445,318.888	6,503,441.077	-2.00%	-2.00%	-5.2	5.2	-0.010	0.015	0.064	688.791	688.662	688.613	688.781	688.677	688.677	688.906	688.802	688.802
550+180.00	125	445,298.908	6,503,440.196	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.011	0.082	687.240	687.137	687.044	687.230	687.126	687.126	687.355	687.251	687.251
550+200.00	125	445,278.927	6,503,439.315	-2.00%	-2.00%	-5.2	5.2	0.000	0.057	0.066	685.651	685.490	685.481	685.651	685.547	685.547	685.776	685.672	685.672
550+220.00	125	445,258.946	6,503,438.433	-2.00%	-2.00%	-5.2	5.2	0.000	0.070	0.066	684.067	683.893	683.897	684.067	683.963	683.963	684.192	684.088	684.088
550+240.00	125	445,238.966	6,503,437.545	-2.00%	-2.00%	-5.2	5.2	0.025	0.035	-0.026	682.442	682.328	682.389	682.467	682.363	682.363	682.592	682.488	682.488
550+260.00	125	445,218.986	6,503,436.645	-2.00%	-2.00%	-5.2	5.2	0.025	0.039	0.033	680.934	680.816	680.822	680.959	680.855	680.855	681.084	680.980	680.98
550+280.00	125	445,199.007	6,503,435.727	-2.00%	-2.00%	-5.2	5.2	0.011	-0.010	0.045	679.446	679.362	679.307	679.457	679.352	679.352	679.582	679.477	679.477
550+300.00	125	445,179.029	6,503,434.789	-2.00%	-2.00%	-5.2	5.2	0.005	-0.010	0.033	677.956	677.867	677.824	677.961	677.857	677.857	678.086	677.982	677.982
550+320.00	125	445,159.052	6,503,433.830	-2.00%	-2.00%	-5.2	5.2	0.005	0.042	0.042	676.509	676.368	676.368	676.514	676.41	676.41	676.639	676.535	676.535
550+340.00	125	445,139.076	6,503,432.852	-2.00%	-2.00%	-5.2	5.2	0.005	0.032	0.023	674.972	674.841	674.850	674.977	674.873	674.873	675.102	674.998	674.998
550+360.00	125	445,119.101	6,503,431.854	-2.00%	-2.00%	-5.2	5.2	0.000	-0.020	0.048	673.500	673.416	673.348	673.500	673.396	673.396	673.625	673.521	673.521
550+380.00	125	445,099.127	6,503,430.836	-2.00%	-2.00%	-5.2	5.2	0.005	-0.033	0.042	672.126	672.060	671.985	672.131	672.027	672.027	672.256	672.152	672.152
550+400.00	125	445,079.154	6,503,429.797	-2.00%	-2.00%	-5.2	5.2	0.000	-0.034	0.050	670.868	670.798	670.714	670.868	670.764	670.764	670.993	670.889	670.889
550+420.00	125	445,059.182	6,503,428.739	-2.00%	-2.00%	-5.2	5.2	0.000	-0.003	0.071	669.702	669.601	669.527	669.702	669.598	669.598	669.827	669.723	669.723

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
550+440.00	125	445,039.211	6,503,427.661	-2.00%	-2.00%	-5.2	5.2	0.000	0.005	0.030	668.604	668.495	668.470	668.604	668.5	668.5	668.729	668.625	668.625
550+460.00	125	445,019.242	6,503,426.563	-2.00%	-2.00%	-5.2	5.2	-0.005	0.009	0.030	667.584	667.466	667.445	667.579	667.475	667.475	667.704	667.600	667.6
550+480.00	125	444,999.273	6,503,425.445	-2.00%	-2.00%	-5.2	5.2	-0.005	0.005	0.068	666.634	666.520	666.457	666.629	666.525	666.525	666.754	666.650	666.65
550+500.00	125	444,979.305	6,503,424.307	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.007	0.050	665.736	665.629	665.572	665.726	665.622	665.622	665.851	665.747	665.747
550+520.00	125	444,959.339	6,503,423.150	-2.00%	-2.00%	-5.2	5.2	-0.009	-0.019	0.055	664.900	664.805	664.731	664.891	664.786	664.786	665.016	664.911	664.911
550+540.00	125	444,939.373	6,503,421.980	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.016	0.045	664.144	664.046	663.985	664.134	664.03	664.03	664.259	664.155	664.155
550+560.00	125	444,919.408	6,503,420.803	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.003	0.074	663.478	663.367	663.290	663.468	663.364	663.364	663.593	663.489	663.489
550+580.00	125	444,899.442	6,503,419.625	-2.00%	-2.00%	-5.2	5.2	-0.010	0.019	0.066	662.902	662.769	662.722	662.892	662.788	662.788	663.017	662.913	662.913
550+600.00	125	444,879.477	6,503,418.447	-2.00%	-2.00%	-5.2	5.2	-0.025	0.002	0.075	662.410	662.279	662.206	662.385	662.281	662.281	662.510	662.406	662.406
550+620.00	125	444,859.512	6,503,417.269	-2.00%	-2.00%	-5.2	5.2	-0.025	0.008	0.075	661.969	661.832	661.765	661.944	661.84	661.84	662.069	661.965	661.965
550+640.00	125	444,839.546	6,503,416.091	-2.00%	-2.00%	-5.2	5.2	-0.025	0.001	0.070	661.549	661.419	661.350	661.524	661.42	661.42	661.649	661.545	661.545
550+660.00	125	444,819.581	6,503,414.913	-2.00%	-2.00%	-5.2	5.2	-0.025	-0.003	0.078	661.192	661.066	660.985	661.167	661.063	661.063	661.292	661.188	661.188
550+680.00	125	444,799.616	6,503,413.735	-2.00%	-2.00%	-5.2	5.2	-0.030	0.011	0.049	660.912	660.767	660.729	660.882	660.778	660.778	661.007	660.903	660.903
550+700.00	125	444,779.651	6,503,412.558	-2.00%	-2.00%	-5.2	5.2	-0.040	0.049	0.020	660.751	660.558	660.587	660.711	660.607	660.607	660.836	660.732	660.732
550+720.00	125	444,759.685	6,503,411.380	-2.00%	-2.00%	-5.2	5.2	-0.040	0.031	0.018	660.660	660.485	660.498	660.620	660.516	660.516	660.745	660.641	660.641
550+740.00	125	444,739.720	6,503,410.202	-2.00%	-2.00%	-5.2	5.2	-0.050	0.017	0.047	660.616	660.445	660.415	660.566	660.462	660.462	660.691	660.587	660.587
550+758.62	125	444,721.127	6,503,409.105	-2.00%	-2.00%	-5.2	5.2	-0.030	0.016	0.117	660.596	660.451	660.345	660.566	660.467	660.462	660.691	660.592	660.587
550+760.00	125	444,719.755	6,503,409.024	-1.90%	-2.00%	-5.2	5.2	-0.030	0.012	0.116	660.596	660.456	660.346	660.566	660.468	660.462	660.691	660.593	660.587
550+780.00	125	444,699.789	6,503,407.846	-0.30%	-2.00%	-5.2	5.2	-0.030	0.025	0.140	660.607	660.536	660.333	660.577	660.561	660.473	660.702	660.686	660.598
550+784.16	125	444,695.641	6,503,407.601	0.00%	-2.00%	-5.2	5.2	-0.030	0.017	0.148	660.603	660.556	660.321	660.573	660.573	660.469	660.698	660.698	660.594
550+800.00	125	444,679.823	6,503,406.682	1.20%	-2.00%	-5.2	5.2	-0.030	0.015	0.134	660.577	660.597	660.309	660.547	660.612	660.443	660.672	660.737	660.568
550+809.69	125	444,670.150	6,503,406.154	2.00%	-2.00%	-5.2	5.2	-0.034	0.024	0.131	660.570	660.616	660.300	660.536	660.64	660.431	660.661	660.765	660.556
550+820.00	125	444,659.850	6,503,405.648	2.80%	-2.80%	-5.2	5.2	-0.035	0.025	0.109	660.584	660.670	660.294	660.549	660.695	660.403	660.674	660.820	660.528
550+840.00	125	444,639.864	6,503,404.909	4.40%	-4.40%	-5.2	5.2	-0.045	0.055	0.042	660.574	660.702	660.260	660.529	660.757	660.302	660.654	660.882	660.427
550+844.16	125	444,635.709	6,503,404.807	4.70%	-4.70%	-5.2	5.2	-0.043	0.056	0.044	660.567	660.697	660.245	660.524	660.753	660.289	660.649	660.878	660.414
550+860.00	125	444,619.867	6,503,404.615	4.70%	-4.70%	-5.183	5.2	-0.010	0.069	0.104	660.560	660.725	660.202	660.550	660.794	660.306	660.675	660.919	660.431
550+880.00	125	444,599.868	6,503,404.816	4.70%	-4.70%	-5.151	5.2	-0.011	0.071	0.073	660.518	660.678	660.190	660.507	660.749	660.263	660.632	660.874	660.388
550+900.00	125	444,579.881	6,503,405.510	4.70%	-4.70%	-5.2	5.2	-0.035	0.052	0.022	660.599	660.756	660.298	660.564	660.808	660.32	660.689	660.933	660.445
550+920.00	125	444,559.917	6,503,406.697	4.70%	-4.70%	-5.2	5.2	-0.041	0.035	0.014	660.776	660.945	660.477	660.735	660.98	660.491	660.860	661.105	660.616
550+940.00	125	444,539.988	6,503,408.377	4.70%	-4.70%	-5.2	5.2	-0.036	0.056	0.058	660.969	661.122	660.632	660.933	661.178	660.69	661.058	661.303	660.815
550+960.00	125	444,520.107	6,503,410.548	4.70%	-4.70%	-5.2	5.2	-0.035	0.040	0.097	661.174	661.343	660.798	661.139	661.383	660.895	661.264	661.508	661.02
550+980.00	125	444,500.285	6,503,413.209	4.70%	-4.70%	-5.2	5.2	-0.036	-0.027	0.078	661.314	661.550	660.956	661.278	661.523	661.034	661.403	661.648	661.159
551+000.00	125	444,480.535	6,503,416.359	4.70%	-4.70%	-5.2	5.2	-0.031	-0.024	0.105	661.617	661.854	661.237	661.586	661.83	661.342	661.711	661.955	661.467
551+020.00	125	444,460.869	6,503,419.996	4.70%	-4.70%	-5.2	5.2	-0.010	-0.029	0.106	661.972	662.235	661.611	661.962	662.206	661.717	662.087	662.331	661.842
551+040.00	125	444,441.299	6,503,424.117	4.70%	-4.70%	-5.2	5.2	-0.031	-0.050	0.074	662.411	662.675	662.062	662.380	662.625	662.136	662.505	662.750	662.261
551+060.00	125	444,421.836	6,503,428.720	4.70%	-4.70%	-5.2	5.2	-0.036	-0.035	0.064	662.894	663.138	662.550	662.858	663.103	662.614	662.983	663.228	662.739
551+080.00	125	444,402.493	6,503,433.802	4.70%	-4.70%	-5.2	5.2	-0.036	-0.049	0.053	663.418	663.676	663.085	663.382	663.627	663.138	663.507	663.752	663.263
551+100.00	125	444,383.281	6,503,439.360	4.70%	-4.70%	-5.2	5.2	-0.051	-0.033	0.124	664.108	664.335	663.689	664.057	664.302	663.813	664.182	664.427	663.938
551+120.00	125	444,364.213	6,503,445.391	4.70%	-4.70%	-5.2	5.2	-0.035	-0.049	0.096	664.812	665.071	664.437	664.777	665.022	664.533	664.902	665.147	664.658
551+140.00	125	444,345.299	6,503,451.890	4.70%	-4.70%	-5.2	5.2	-0.006	-0.056	0.118	665.562	665.857	665.194	665.556	665.801	665.312	665.681	665.926	665.437
551+160.00	125	444,326.551	6,503,458.855	4.70%	-4.70%	-5.2	5.2	-0.021	-0.071	0.101	666.365	666.660	665.999	666.344	666.589	666.1	666.469	666.714	666.225
551+180.00	125	444,307.981	6,503,466.280	4.70%	-4.70%	-5.2	5.2	-0.035	-0.061	0.077	667.251	667.522	666.895	667.216	667.461	666.972	667.341	667.586	667.097
551+200.00	125	444,289.600	6,503,474.162	4.70%	-4.70%	-5.2	5.2	-0.031	-0.043	0.053	668.131	668.387	667.803	668.100	668.344	667.856	668.225	668.469	667.981
551+220.00	125	444,271.420	6,503,482.495	4.70%	-4.70%	-5.2	5.2	-0.030	-0.028	0.091	669.117	669.360	668.752	669.087	669.332	668.843	669.212	669.457	668.968
551+240.00	125	444,253.450	6,503,491.274	4.70%	-4.70%	-5.2	5.2	-0.030	-0.008	0.063	670.144	670.366	669.807	670.114	670.358	669.87	670.239	670.483	669.995
551+260.00	125	444,235.703	6,503,500.494	4.70%	-4.70%	-5.2	5.2	-0.036	0.001	0.015	671.165	671.373	670.870	671.129	671.374	670.885	671.254	671.499	671.01
551+280.00	125	444,218.189	6,503,510.150	4.70%	-4.70%	-5.2	5.2	-0.035	0.074	-0.016	672.361	672.497	672.098	672.326	672.571	672.082	672.451	672.696	672.207
551+300.00	125	444,200.918	6,503,520.235	4.70%	-4.70%	-5.2	5.2	-0.046	0.094	0.015	673.593	673.698	673.288	673.547	673.792	673.303	673.672	673.917	673.428
551+320.00	125	444,183.902	6,503,530.744	4.70%	-4.70%	-5.2	5.2	-0.045	0.082	-0.020	674.776	674.893	674.507	674.731	674.975	674.487	674.856	675.100	674.612
551+333.53	125	444,172.542	6,503,538.088	4.70%	-4.70%	-5.2	5.2	-0.038	0.126	-0.022	675.584	675.650	675.333	675.546	675.776	675.311	675.671	675.901	675.436
551+340.00	125	444,167.150	6,503,541.668	4.20%	-4.20%	-5.2	5.2	-0.045	0.129	-0.019	675.988	676.032	675.744	675.943	676.161	675.725	676.068	676.286	675.85
551+360.00	125	444,150.637	6,503,552.952	2.60%	-2.60%	-5.2	5.2	-0.030	0.056	0.002	677.277	677.328	677.109	677.247	677.384	677.111	677.372	677.509	677.236
551+368.00	125	444,144.085	6,503,557.534	2.00%	-2.00%	-5.2	5.2	-0.030	0.090	0.035	677.859	677.842	677.684	677.829	677.932	677.719	677.954	678.057	677.844
551+380.00	125	444,134.282	6,503,564.463	1.10%	-2.00%	-5.2	5.2	-0.030	0.122	0.049	678.725	678.628	678.542	678.695	678.75	678.591	678.820	678.875	678.716
551+393.53	125	444,123.262	6,503,572.308	0.00%	-2.00%	-5.2	5.2	-0.035	0.066	0.029	679.674	679.574	679.507	679.639	679.64	679.536	679.764	679.765	679.661
551+400.00	125	444,117.991	6,503,576.065	-0.50%	-2.00%	-5.2	5.2	-0.015	0.036	0.012	680.100	680.023	679.969	680.085	680.059	679.981	680.210	680.184	680.106
551+419.06	125	444,102.472	6,503,587.129	-2.00%	-2.00%	-5.2	5.2	-0.019	0.014	0.004	681.476	681.343	681.350	681.457	681.357	681.354	681.582	681.482	681.479
551+420.00	125	444,101.706	6,503,587.675	-2.00%	-2.00%	-5.2	5.2	-0.020	0.010	0.002	681.545	681.411	681.419	681.525	681.421	681.421	681.650	681.546	681.546
551+440.00	125	444,085.420	6,503,599.284	-2.00%	-2.00%	-5.2	5.2	-0.020	0.021	-0.026	682.990	682.845	682.892	682.970	682.866	682.866	683.095	682.991	682.991
551+460.00	125	444,069.134	6,503,610.894	-2.00%	-2.00%	-5.2	5.2	-0.025	0.081	-0.021	684.470	684.260	684.362	684.445	684.341	684.341	684.570	684.466	684.466
551+480.00	125	444,052.849	6,503,622.503	-2.00%	-2.00%	-5.2	5.2	-0.025	0.043	0.017	685.950	685.778	685.804	685.925	685.821	685.821	686.050	685.946	685.946
551+500.00	125	444,036.563	6,503,634.112	-2.00%	-2.00%	-5.2	5.2	-0.035	-0.013	0.026	687.422	687.296	687.257	687.387	687.283	687.283	687.512	687.408	687.408

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
551+520.00	125	444,020.278	6,503,645.722	-2.00%	-2.00%	-5.2	5.2	-0.035	-0.021	0.030	688.972	688.854	688.803	688.937	688.833	688.833	689.062	688.958	688.958
551+540.00	125	444,003.992	6,503,657.331	-2.00%	-2.00%	-5.2	5.2	-0.005	0.036	0.080	690.511	690.366	690.322	690.506	690.402	690.402	690.631	690.527	690.527
551+560.00	125	443,987.706	6,503,668.941	-2.00%	-2.00%	-5.2	5.2	-0.010	0.075	-0.015	691.902	691.713	691.803	691.892	691.788	691.788	692.017	691.913	691.913
551+580.00	125	443,971.421	6,503,680.550	-2.00%	-2.00%	-5.2	5.2	0.005	0.105	-0.013	693.313	693.109	693.227	693.318	693.214	693.214	693.443	693.339	693.339
551+600.00	125	443,955.135	6,503,692.159	-2.00%	-2.00%	-5.2	5.2	0.005	0.112	-0.003	694.813	694.602	694.717	694.818	694.714	694.714	694.943	694.839	694.839
551+620.00	125	443,938.849	6,503,703.769	-2.00%	-2.00%	-5.2	5.2	0.030	0.107	-0.002	696.249	696.068	696.177	696.279	696.175	696.175	696.404	696.300	696.3
551+640.00	125	443,922.564	6,503,715.378	-2.00%	-2.00%	-5.2	5.2	0.030	0.115	-0.036	697.679	697.490	697.641	697.709	697.605	697.605	697.834	697.730	697.73
551+660.00	125	443,906.278	6,503,726.988	-2.00%	-2.00%	-5.2	5.2	0.045	0.120	-0.036	699.061	698.882	699.038	699.106	699.002	699.002	699.231	699.127	699.127
551+680.00	125	443,889.993	6,503,738.597	-2.00%	-2.00%	-5.2	5.2	0.020	0.148	-0.011	700.468	700.236	700.395	700.488	700.384	700.384	700.613	700.509	700.509
551+697.18	125	443,876.004	6,503,748.569	-2.00%	-2.00%	-5.2	5.2	-0.004	0.064	-0.008	701.693	701.521	701.602	701.689	701.585	701.594	701.814	701.710	701.719
551+700.00	125	443,873.707	6,503,750.206	-2.00%	-1.80%	-5.2	5.2	-0.010	0.059	0.000	701.903	701.730	701.800	701.893	701.789	701.8	702.018	701.914	701.925
551+720.00	125	443,857.421	6,503,761.816	-2.00%	-0.20%	-5.2	5.2	-0.010	0.026	0.011	703.189	703.049	703.157	703.179	703.075	703.168	703.304	703.200	703.293
551+722.71	125	443,855.214	6,503,763.390	-2.00%	0.00%	-5.2	5.2	-0.010	0.032	0.018	703.366	703.220	703.337	703.356	703.252	703.355	703.481	703.377	703.48
551+740.00	125	443,841.126	6,503,773.411	-2.00%	1.40%	-5.2	5.2	-0.025	0.048	0.061	704.495	704.318	704.480	704.470	704.366	704.541	704.595	704.491	704.666
551+748.24	125	443,834.391	6,503,778.165	-2.00%	2.00%	-5.2	5.2	-0.025	0.034	0.054	705.055	704.886	705.079	705.030	704.92	705.133	705.155	705.045	705.258
551+760.00	125	443,824.750	6,503,784.893	-2.90%	2.90%	-5.2	5.2	-0.005	-0.002	0.097	705.850	705.695	705.900	705.845	705.693	705.997	705.970	705.818	706.122
551+780.00	125	443,808.204	6,503,796.128	-4.50%	4.50%	-5.2	5.2	-0.005	-0.009	0.080	707.095	706.866	707.243	707.090	706.857	707.323	707.215	706.982	707.448
551+782.71	125	443,805.944	6,503,797.625	-4.70%	4.70%	-5.2	5.2	-0.024	0.004	0.062	707.281	707.017	707.427	707.257	707.021	707.489	707.382	707.146	707.614
551+800.00	125	443,791.414	6,503,806.994	-4.70%	4.70%	-5.2	5.2	-0.020	0.034	0.011	708.325	708.027	708.539	708.305	708.061	708.55	708.430	708.186	708.675
551+820.00	125	443,774.367	6,503,817.452	-4.70%	4.70%	-5.2	5.2	-0.020	0.017	0.023	709.549	709.267	709.750	709.529	709.284	709.773	709.654	709.409	709.898
551+840.00	125	443,757.073	6,503,827.497	-4.70%	4.70%	-5.2	5.2	-0.020	0.061	-0.001	710.759	710.434	710.985	710.739	710.495	710.984	710.864	710.620	711.109
551+860.00	125	443,739.542	6,503,837.122	-4.70%	4.70%	-5.2	5.2	-0.020	0.052	0.009	711.943	711.626	712.158	711.923	711.678	712.167	712.048	711.803	712.292
551+880.00	125	443,721.784	6,503,846.322	-4.70%	4.70%	-5.2	5.2	-0.020	0.058	0.017	713.165	712.842	713.372	713.145	712.9	713.389	713.270	713.025	713.514
551+900.00	125	443,703.809	6,503,855.091	-4.70%	4.70%	-5.2	5.2	-0.035	0.064	-0.002	714.363	714.019	714.574	714.328	714.083	714.572	714.453	714.208	714.697
551+920.00	125	443,685.629	6,503,863.425	-4.70%	4.70%	-5.2	5.2	-0.035	0.087	-0.018	715.521	715.155	715.748	715.486	715.242	715.73	715.611	715.367	715.855
551+940.00	125	443,667.253	6,503,871.318	-4.70%	4.70%	-5.2	5.2	-0.010	0.138	-0.011	716.645	716.253	716.891	716.635	716.391	716.88	716.760	716.516	717.005
551+960.00	125	443,648.692	6,503,878.766	-4.70%	4.70%	-5.2	5.2	-0.035	0.107	-0.039	717.773	717.386	718.021	717.738	717.493	717.982	717.863	717.618	718.107
551+980.00	125	443,629.957	6,503,885.764	-4.70%	4.70%	-5.2	5.2	-0.036	0.057	-0.002	718.897	718.560	719.108	718.861	718.617	719.106	718.986	718.742	719.231
552+000.00	125	443,611.059	6,503,892.310	-4.70%	4.70%	-5.2	5.2	-0.045	0.020	-0.027	719.961	719.652	720.188	719.916	719.672	720.161	720.041	719.797	720.286
552+020.00	125	443,592.008	6,503,898.398	-4.70%	4.70%	-5.2	5.2	-0.045	0.039	-0.039	720.998	720.669	721.236	720.953	720.708	721.197	721.078	720.833	721.322
552+040.00	125	443,572.817	6,503,904.025	-4.70%	4.70%	-5.2	5.2	-0.025	0.077	-0.029	722.047	721.701	722.296	722.022	721.778	722.267	722.147	721.903	722.392
552+043.84	125	443,569.115	6,503,905.053	-4.70%	4.70%	-5.2	5.2	-0.026	0.080	-0.048	722.247	721.907	722.499	722.221	721.987	722.451	722.346	722.112	722.576
552+060.00	125	443,553.499	6,503,909.202	-3.40%	3.40%	-5.2	5.2	0.000	0.129	-0.048	723.080	722.772	723.307	723.080	722.901	723.259	723.205	723.026	723.384
552+078.31	125	443,535.735	6,503,913.639	-2.00%	2.00%	-5.2	5.2	0.012	0.146	-0.057	724.023	723.780	724.201	724.035	723.926	724.144	724.160	724.051	724.269
552+080.00	125	443,534.092	6,503,914.038	-2.00%	2.00%	-5.2	5.2	0.010	0.145	-0.058	724.111	723.872	724.283	724.121	724.017	724.225	724.246	724.142	724.35
552+100.00	125	443,514.641	6,503,918.688	-2.00%	2.00%	-5.2	5.2	-0.005	0.088	-0.013	725.124	724.927	725.236	725.119	725.015	725.223	725.244	725.140	725.348
552+103.84	125	443,510.902	6,503,919.574	-2.00%	2.00%	-5.2	5.2	-0.005	0.075	-0.012	725.313	725.129	725.411	725.308	725.204	725.399	725.433	725.329	725.524
552+120.00	125	443,495.178	6,503,923.295	-2.00%	0.70%	-5.2	5.2	-0.005	0.042	-0.007	726.105	725.954	726.145	726.100	725.996	726.138	726.225	726.121	726.263
552+140.00	125	443,475.716	6,503,927.901	-2.00%	-0.80%	-5.2	5.2	0.005	0.061	-0.001	727.126	726.966	727.089	727.131	727.027	727.088	727.256	727.152	727.213
552+154.91	125	443,461.211	6,503,931.334	-2.00%	-2.00%	-5.2	5.2	0.005	0.066	-0.009	727.907	727.743	727.833	727.912	727.809	727.824	728.037	727.934	727.949
552+160.00	125	443,456.254	6,503,932.508	-2.00%	-2.00%	-5.2	5.2	0.005	0.064	-0.035	728.174	728.011	728.110	728.179	728.075	728.075	728.304	728.200	728.2
552+180.00	125	443,436.791	6,503,937.114	-2.00%	-2.00%	-5.2	5.2	-0.020	0.088	-0.028	729.272	729.060	729.176	729.252	729.148	729.148	729.377	729.273	729.273
552+200.00	125	443,417.329	6,503,941.720	-2.00%	-2.00%	-5.2	5.2	-0.026	0.097	-0.021	730.334	730.108	730.226	730.308	730.205	730.205	730.433	730.330	730.33
552+220.00	125	443,397.867	6,503,946.326	-2.00%	-2.00%	-5.2	5.2	-0.035	0.113	-0.025	731.406	731.154	731.292	731.371	731.267	731.267	731.496	731.392	731.392
552+240.00	125	443,378.404	6,503,950.933	-2.00%	-2.00%	-5.2	5.2	-0.035	0.147	-0.009	732.485	732.199	732.355	732.450	732.346	732.346	732.575	732.471	732.471
552+260.00	125	443,358.942	6,503,955.539	-2.00%	-2.00%	-5.2	5.2	-0.045	0.063	-0.027	733.506	733.294	733.384	733.461	733.357	733.357	733.586	733.482	733.482
552+280.00	125	443,339.480	6,503,960.145	-2.00%	-2.00%	-5.2	5.2	-0.045	0.128	-0.010	734.533	734.256	734.394	734.488	734.384	734.384	734.613	734.509	734.509
552+300.00	125	443,320.017	6,503,964.752	-2.00%	-2.00%	-5.2	5.2	-0.040	0.046	-0.014	735.534	735.344	735.404	735.494	735.39	735.39	735.619	735.515	735.515
552+320.00	125	443,300.555	6,503,969.358	-2.00%	-2.00%	-5.2	5.2	-0.040	0.062	0.011	736.588	736.382	736.433	736.548	736.444	736.444	736.673	736.569	736.569
552+340.00	125	443,281.093	6,503,973.964	-2.00%	-2.00%	-5.2	5.2	-0.040	0.081	0.029	737.661	737.436	737.488	737.621	737.517	737.517	737.746	737.642	737.642
552+360.00	125	443,261.630	6,503,978.570	-2.00%	-2.00%	-5.2	5.2	-0.040	0.075	0.044	738.709	738.490	738.521	738.669	738.565	738.565	738.794	738.690	738.69
552+380.00	125	443,242.168	6,503,983.177	-2.00%	-2.00%	-5.2	5.2	-0.040	0.070	0.032	739.754	739.540	739.578	739.714	739.61	739.61	739.839	739.735	739.735
552+400.00	125	443,222.706	6,503,987.783	-2.00%	-2.00%	-5.2	5.2	-0.035	0.098	0.037	740.772	740.535	740.596	740.737	740.633	740.633	740.862	740.758	740.758
552+420.00	125	443,203.243	6,503,992.389	-2.00%	-2.00%	-5.2	5.2	-0.035	0.075	0.017	741.808	741.594	741.652	741.773	741.669	741.669	741.898	741.794	741.794
552+440.00	125	443,183.781	6,503,996.996	-2.00%	-2.00%	-5.2	5.2	-0.035	0.086	0.038	742.859	742.634	742.682	742.824	742.72	742.72	742.949	742.845	742.845
552+460.00	125	443,164.319	6,504,001.602	-2.00%	-2.00%	-5.2	5.2	-0.035	0.088	0.048	743.905	743.678	743.718	743.870	743.766	743.766	743.995	743.891	743.891
552+480.00	125	443,144.856	6,504,006.208	-2.00%	-2.00%	-5.2	5.2	-0.036	0.056	0.038	744.944	744.749	744.767	744.908	744.805	744.805	745.033	744.930	744.93
552+500.00	125	443,125.394	6,504,010.814	-2.00%	-2.00%	-5.2	5.2	0.015	0.059	0.018	745.973	745.825	745.866	745.988	745.884	745.884	746.088	745.984	745.984
552+520.00	100	443,105.932	6,504,015.421	-2.00%	-2.00%	-5.2	5.2	-0.010	0.031	0.006	746.967	746.822	746.847	746.957	746.853	746.853	747.057	746.953	746.953
552+540.00	100	443,086.469	6,504,020.027	-2.00%	-2.00%	-5.2	5.2	0.005	0.039	0.032	747.936	747.798	747.805	747.941	747.837	747.837	748.041	747.937	747.937
552+560.00	100	443,067.007	6,504,024.633	-2.00%	-2.00%	-5.2	5.2	0.005	0.046	0.019	748.919	748.774	748.801	748.924	748.82	748.82	749.024	748.920	748.92
552+580.00	100	443,047.545	6,504,029.240	-2.00%	-2.00%	-5.2	5.2	0.000	0.047	0.024	749.917	749.766	749.789	749.917	749.813	749.813	750.017	749.913	749.913

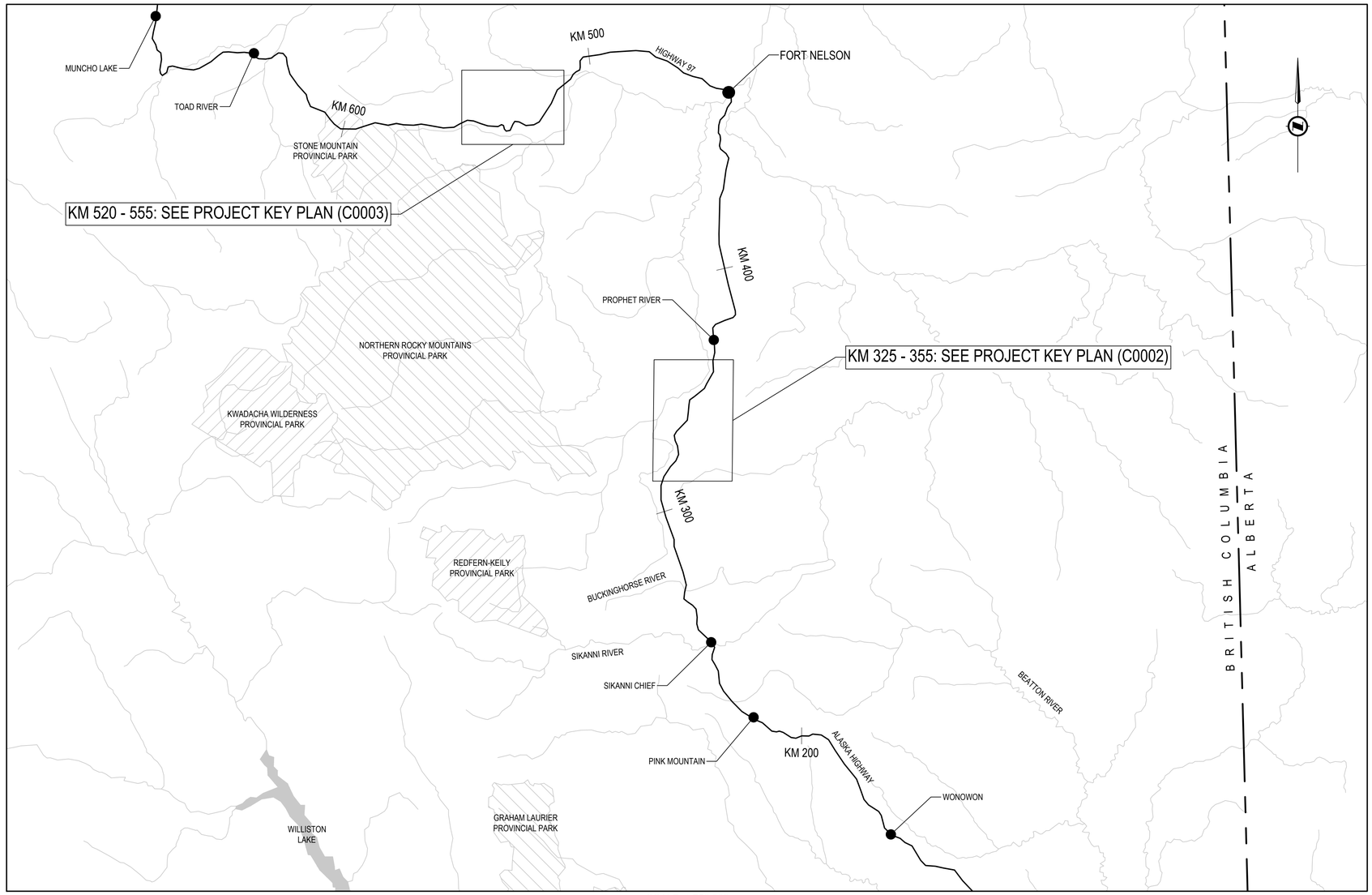
Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
552+600.00	100	443,028.082	6,504,033.846	-2.00%	-2.00%	-5.2	5.2	-0.015	0.020	0.022	750.889	750.750	750.748	750.874	750.77	750.77	750.974	750.870	750.87
552+620.00	100	443,008.620	6,504,038.452	-2.00%	-2.00%	-5.2	5.2	-0.015	0.031	0.036	751.891	751.741	751.736	751.876	751.772	751.772	751.976	751.872	751.872
552+640.00	100	442,989.158	6,504,043.058	-2.00%	-2.00%	-5.2	5.2	-0.010	0.035	0.051	752.870	752.721	752.705	752.860	752.756	752.756	752.960	752.856	752.856
552+660.00	100	442,969.696	6,504,047.665	-2.00%	-2.00%	-5.2	5.2	-0.011	0.032	0.036	753.815	753.669	753.665	753.804	753.701	753.701	753.904	753.801	753.801
552+680.00	100	442,950.233	6,504,052.271	-2.00%	-2.00%	-5.2	5.2	-0.010	0.046	0.028	754.725	754.565	754.583	754.715	754.611	754.611	754.815	754.711	754.711
552+700.00	100	442,930.771	6,504,056.877	-2.00%	-2.00%	-5.2	5.2	-0.005	0.055	0.025	755.580	755.416	755.446	755.575	755.471	755.471	755.675	755.571	755.571
552+720.00	100	442,911.309	6,504,061.484	-2.00%	-2.00%	-5.2	5.2	-0.005	0.063	0.017	756.399	756.227	756.273	756.394	756.29	756.29	756.494	756.390	756.39
552+740.00	100	442,891.846	6,504,066.090	-2.00%	-2.00%	-5.2	5.2	-0.005	0.047	0.028	757.179	757.023	757.042	757.174	757.07	757.07	757.274	757.170	757.17
552+760.00	100	442,872.384	6,504,070.696	-2.00%	-2.00%	-5.2	5.2	-0.005	0.009	0.047	757.897	757.779	757.741	757.892	757.788	757.788	757.992	757.888	757.888
552+760.77	100	442,871.638	6,504,070.873	-2.00%	-2.00%	-5.2	5.2	-0.006	0.008	0.046	757.924	757.808	757.768	757.918	757.816	757.814	758.018	757.916	757.914
552+780.00	100	442,852.922	6,504,075.302	-1.30%	-2.00%	-5.2	5.2	-0.005	-0.002	0.048	758.574	758.505	758.417	758.569	758.503	758.465	758.669	758.603	758.565
552+800.00	100	442,833.459	6,504,079.909	-0.50%	-2.00%	-5.2	5.2	0.000	-0.008	0.070	759.213	759.196	759.039	759.213	759.188	759.109	759.313	759.288	759.209
552+812.94	100	442,820.867	6,504,082.889	0.00%	-2.00%	-5.2	5.2	-0.020	-0.034	0.065	759.606	759.620	759.417	759.586	759.586	759.482	759.686	759.686	759.582
552+820.00	100	442,813.997	6,504,084.515	0.30%	-2.00%	-5.2	5.2	0.000	-0.022	0.070	759.789	759.825	759.615	759.789	759.803	759.685	759.889	759.903	759.785
552+840.00	100	442,794.540	6,504,089.143	1.00%	-2.00%	-5.2	5.2	0.000	-0.011	0.056	760.330	760.395	760.170	760.330	760.384	760.226	760.430	760.484	760.326
552+860.00	100	442,775.099	6,504,093.840	1.80%	-2.00%	-5.2	5.2	-0.015	-0.003	0.047	760.838	760.920	760.672	760.823	760.917	760.719	760.923	761.017	760.819
552+865.11	100	442,770.133	6,504,095.059	2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.047	760.959	761.040	760.788	760.944	761.046	760.835	761.044	761.146	760.935
552+872.94	100	442,762.536	6,504,096.941	2.30%	-2.30%	-5.2	5.2	-0.027	0.007	0.033	761.142	761.222	760.967	761.115	761.229	761	761.215	761.329	761.1
552+880.00	100	442,755.688	6,504,098.659	2.30%	-2.30%	-5.2	5.2	-0.015	0.013	0.039	761.266	761.357	761.092	761.251	761.37	761.131	761.351	761.470	761.231
552+900.00	100	442,736.316	6,504,103.631	2.30%	-2.30%	-5.2	5.2	-0.020	0.013	0.044	761.621	761.707	761.437	761.601	761.72	761.481	761.701	761.820	761.581
552+920.00	100	442,716.985	6,504,108.758	2.30%	-2.30%	-5.2	5.2	-0.020	-0.018	0.051	761.938	762.055	761.747	761.918	762.037	761.798	762.018	762.137	761.898
552+926.78	100	442,710.436	6,504,110.532	2.30%	-2.30%	-5.2	5.2	-0.020	-0.028	0.054	762.039	762.166	761.845	762.019	762.138	761.899	762.119	762.238	761.999
552+934.61	100	442,702.888	6,504,112.600	2.00%	-2.00%	-5.2	5.2	-0.002	-0.038	0.099	762.155	762.294	761.945	762.153	762.256	762.044	762.253	762.356	762.144
552+940.00	100	442,697.694	6,504,114.036	1.80%	-2.00%	-5.2	5.2	0.000	-0.049	0.113	762.231	762.373	762.014	762.231	762.324	762.127	762.331	762.424	762.227
552+960.00	100	442,678.436	6,504,119.435	1.00%	-2.00%	-5.2	5.2	0.000	-0.037	0.099	762.504	762.594	762.301	762.504	762.557	762.4	762.604	762.657	762.5
552+980.00	100	442,659.198	6,504,124.902	0.30%	-2.00%	-5.2	5.2	-0.010	-0.043	0.061	762.766	762.813	762.591	762.756	762.77	762.652	762.856	762.870	762.752
552+986.78	100	442,652.673	6,504,126.763	0.00%	-2.00%	-5.2	5.2	-0.010	-0.026	0.058	762.859	762.875	762.687	762.849	762.849	762.745	762.949	762.949	762.845
553+000.00	100	442,639.965	6,504,130.389	-0.50%	-2.00%	-5.2	5.2	-0.010	-0.015	0.055	763.040	763.018	762.871	763.030	763.003	762.926	763.130	763.103	763.026
553+020.00	100	442,620.733	6,504,135.877	-1.30%	-2.00%	-5.2	5.2	-0.010	-0.029	0.061	763.278	763.230	763.103	763.268	763.201	763.164	763.368	763.301	763.264
553+038.96	100	442,602.502	6,504,141.079	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.017	0.055	763.524	763.429	763.355	763.514	763.412	763.41	763.614	763.512	763.51
553+040.00	100	442,601.501	6,504,141.364	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.021	0.054	763.537	763.444	763.369	763.527	763.423	763.423	763.627	763.523	763.523
553+060.00	100	442,582.268	6,504,146.852	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.003	0.045	763.775	763.664	763.616	763.765	763.661	763.661	763.865	763.761	763.761
553+080.00	100	442,563.036	6,504,152.339	-2.00%	-2.00%	-5.2	5.2	-0.010	0.011	0.064	764.033	763.908	763.855	764.023	763.919	763.919	764.123	764.019	764.019
553+100.00	100	442,543.803	6,504,157.827	-2.00%	-2.00%	-5.2	5.2	-0.030	-0.017	0.042	764.285	764.168	764.109	764.255	764.151	764.151	764.355	764.251	764.251
553+120.00	100	442,524.571	6,504,163.314	-2.00%	-2.00%	-5.2	5.2	-0.030	-0.008	0.049	764.546	764.420	764.363	764.516	764.412	764.412	764.616	764.512	764.512
553+140.00	100	442,505.338	6,504,168.802	-2.00%	-2.00%	-5.2	5.2	-0.030	0.009	0.034	764.794	764.651	764.626	764.764	764.66	764.66	764.864	764.760	764.76
553+149.01	100	442,496.671	6,504,171.275	-2.00%	-2.00%	-5.2	5.2	-0.027	0.005	0.046	764.905	764.769	764.736	764.878	764.774	764.782	764.978	764.874	764.882
553+160.00	100	442,486.106	6,504,174.289	-2.00%	-1.60%	-5.2	5.2	-0.030	-0.016	0.068	765.046	764.928	764.863	765.016	764.912	764.931	765.116	765.012	765.031
553+180.00	100	442,466.873	6,504,179.777	-2.00%	-1.00%	-5.2	5.2	-0.030	0.009	0.126	765.321	765.178	765.115	765.291	765.187	765.241	765.391	765.287	765.341
553+200.00	100	442,447.641	6,504,185.264	-2.00%	-0.30%	-5.2	5.2	-0.030	0.030	0.155	765.574	765.410	765.374	765.544	765.44	765.529	765.644	765.540	765.629
553+209.01	100	442,438.974	6,504,187.737	-2.00%	0.00%	-5.2	5.2	-0.030	0.030	0.154	765.684	765.520	765.500	765.654	765.55	765.654	765.754	765.650	765.754
553+220.00	100	442,428.408	6,504,190.751	-2.00%	0.40%	-5.2	5.2	-0.030	-0.003	0.131	765.772	765.641	765.630	765.742	765.638	765.761	765.842	765.738	765.861
553+240.00	100	442,409.170	6,504,196.216	-2.00%	1.00%	-5.2	5.2	-0.050	0.022	0.169	766.012	765.836	765.847	765.962	765.858	766.016	766.062	765.958	766.116
553+260.00	100	442,389.915	6,504,201.625	-2.00%	1.70%	-5.2	5.2	-0.050	-0.007	0.158	766.171	766.024	766.051	766.121	766.017	766.209	766.221	766.117	766.309
553+269.01	100	442,381.230	6,504,204.035	-2.00%	2.00%	-5.2	5.2	-0.050	0.001	0.191	766.258	766.103	766.119	766.208	766.104	766.31	766.308	766.204	766.41
553+280.00	100	442,370.634	6,504,206.942	-2.00%	2.00%	-5.2	5.2	-0.050	-0.003	0.196	766.356	766.205	766.214	766.306	766.202	766.41	766.406	766.302	766.51
553+300.00	100	442,351.324	6,504,212.148	-2.00%	2.00%	-5.2	5.2	-0.050	0.025	0.198	766.563	766.384	766.419	766.513	766.409	766.617	766.613	766.509	766.717
553+320.00	100	442,331.984	6,504,217.245	-2.00%	2.00%	-5.2	5.2	-0.050	0.027	0.215	766.734	766.553	766.573	766.684	766.58	766.788	766.784	766.680	766.888
553+340.00	100	442,312.616	6,504,222.230	-2.00%	2.00%	-5.2	5.2	-0.050	0.018	0.192	766.872	766.700	766.734	766.822	766.718	766.926	766.922	766.818	767.026
553+360.00	100	442,293.219	6,504,227.105	-2.00%	2.00%	-5.2	5.2	-0.050	0.030	0.221	767.066	766.882	766.899	767.016	766.912	767.12	767.116	767.012	767.22
553+380.00	100	442,273.795	6,504,231.869	-2.00%	2.00%	-5.2	5.2	-0.040	0.007	0.222	767.213	767.062	767.055	767.173	767.069	767.277	767.273	767.169	767.377
553+400.00	100	442,254.344	6,504,236.522	-2.00%	2.00%	-5.2	5.2	-0.040	0.011	0.222	767.373	767.218	767.215	767.333	767.229	767.437	767.433	767.329	767.537
553+420.00	100	442,234.866	6,504,241.064	-2.00%	2.00%	-5.2	5.2	-0.040	0.003	0.222	767.543	767.396	767.385	767.503	767.399	767.607	767.603	767.499	767.707
553+440.00	100	442,215.363	6,504,245.495	-2.00%	2.00%	-5.2	5.2	-0.040	-0.005	0.244	767.712	767.573	767.532	767.672	767.568	767.776	767.772	767.668	767.876
553+460.00	100	442,195.835	6,504,249.813	-2.00%	2.00%	-5.2	5.2	-0.040	0.001	0.246	767.873	767.728	767.691	767.833	767.729	767.937	767.933	767.829	768.037
553+480.00	100	442,176.282	6,504,254.021	-2.00%	2.00%	-5.2	5.2	-0.040	0.006	0.230	768.037	767.887	767.871	767.997	767.893	768.101	768.097	767.993	768.201
553+500.00	100	442,156.706	6,504,258.116	-2.00%	2.00%	-5.2	5.2	-0.040	0.007	0.232	768.195	768.044	768.027	768.155	768.051	768.259	768.255	768.151	768.359
553+505.55	100	442,151.266	6,504,259.233	-2.00%	2.00%	-5.2	5.2	-0.040	0.000	0.221	768.230	768.086	768.067	768.190	768.086	768.288	768.290	768.186	768.388
553+520.00	100	442,137.107	6,504,262.102	-2.00%	1.50%	-5.2	5.2	-0.040	-0.017	0.188	768.324	768.197	768.175	768.284	768.18	768.363	768.384	768.280	768.463
553+540.00	100	442,117.492	6,504,266.003	-2.00%	0.90%	-5.2	5.2	-0.040	0.001	0.163	768.504	768.359	768.345	768.464	768.36	768.508	768.564	768.460	768.608
553+560.00	100	442,097.866	6,504,269.856	-2.00%	0.20%	-5.2	5.2	-0.045	0.045	0.168	768.672	768.478	768.468	768.627	768.523	768.636	768.727	768.623	768.736
553+565.55	100	442,092.416	6,504,270.922	-2.00%	0.00%	-5.2	5.2	-0.046	0.038	0.158	768.709	768.521	768.505	768.663	768.559	768.663	768.763	768.659	768.763

Design survey data provided to assist the Contractor in completing their Full Depth Reclamation Design Verification

Station	Asphalt Thickness (mm)	CL Easting	CL Northing	Proposed Crossfall (%)		Proposed Edge of ACP Offset from Centerline (m)		FDR Regrading: Proposed Cut/Fill (m)			Original Ground Elevations (m)			FDR Regrading: Ground Elevations (m)			Asphalt Placement: Final Ground Elevations (m)		
				Left	Right	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right	Centerline	Left	Right
553+580.00	100	442,078.238	6,504,273.696	-2.00%	-0.50%	-5.2	5.2	-0.045	0.005	0.130	768.803	768.649	768.603	768.758	768.654	768.733	768.858	768.754	768.833
553+600.00	100	442,058.611	6,504,277.536	-2.00%	-1.10%	-5.2	5.2	-0.020	0.035	0.092	768.969	768.810	768.798	768.949	768.845	768.89	769.049	768.945	768.99
553+620.00	100	442,038.983	6,504,281.377	-2.00%	-1.80%	-5.2	5.2	-0.020	0.031	0.021	769.113	768.958	768.977	769.093	768.989	768.998	769.193	769.089	769.098
553+625.55	100	442,033.532	6,504,282.443	-2.00%	-2.00%	-5.2	5.2	-0.019	0.028	0.022	769.156	769.005	769.018	769.137	769.033	769.04	769.237	769.133	769.14
553+640.00	100	442,019.355	6,504,285.217	-2.00%	-2.00%	-5.2	5.2	-0.005	0.018	0.025	769.259	769.132	769.125	769.254	769.15	769.15	769.354	769.250	769.25
553+660.00	100	441,999.727	6,504,289.057	-2.00%	-2.00%	-5.2	5.2	-0.005	0.021	0.075	769.435	769.305	769.251	769.430	769.326	769.326	769.530	769.426	769.426
553+680.00	100	441,980.099	6,504,292.897	-2.00%	-2.00%	-5.2	5.2	-0.005	0.026	0.056	769.573	769.438	769.408	769.568	769.464	769.464	769.668	769.564	769.564
553+700.00	100	441,960.471	6,504,296.738	-2.00%	-2.00%	-5.2	5.2	-0.005	0.021	0.028	769.730	769.600	769.593	769.725	769.621	769.621	769.825	769.721	769.721
553+720.00	100	441,940.843	6,504,300.578	-2.00%	-2.00%	-5.2	5.2	-0.005	0.022	0.046	769.901	769.770	769.746	769.896	769.792	769.792	769.996	769.892	769.892
553+740.00	100	441,921.216	6,504,304.418	-2.00%	-2.00%	-5.2	5.2	-0.005	0.006	0.034	770.051	769.936	769.908	770.046	769.942	769.942	770.146	770.042	770.042
553+760.00	100	441,901.588	6,504,308.258	-2.00%	-2.00%	-5.2	5.2	-0.005	0.006	0.052	770.225	770.110	770.064	770.220	770.116	770.116	770.320	770.216	770.216
553+780.00	100	441,881.960	6,504,312.099	-2.00%	-2.00%	-5.2	5.2	-0.005	0.041	0.068	770.401	770.251	770.224	770.396	770.292	770.292	770.496	770.392	770.392
553+800.00	100	441,862.332	6,504,315.939	-2.00%	-2.00%	-5.2	5.2	-0.005	0.020	0.043	770.525	770.396	770.373	770.520	770.416	770.416	770.620	770.516	770.516
553+820.00	100	441,842.704	6,504,319.779	-2.00%	-2.00%	-5.2	5.2	-0.005	0.025	0.047	770.683	770.549	770.527	770.678	770.574	770.574	770.778	770.674	770.674
553+840.00	100	441,823.076	6,504,323.619	-2.00%	-2.00%	-5.2	5.2	-0.005	0.010	0.039	770.855	770.736	770.707	770.850	770.746	770.746	770.950	770.846	770.846
553+860.00	100	441,803.449	6,504,327.460	-2.00%	-2.00%	-5.2	5.2	-0.015	0.005	0.040	771.025	770.901	770.866	771.010	770.906	770.906	771.110	771.006	771.006
553+880.00	100	441,783.821	6,504,331.300	-2.00%	-2.00%	-5.2	5.2	-0.015	0.023	0.062	771.200	771.058	771.019	771.185	771.081	771.081	771.285	771.181	771.181
553+900.00	100	441,764.193	6,504,335.140	-2.00%	-2.00%	-5.2	5.2	-0.015	0.011	0.067	771.376	771.246	771.190	771.361	771.257	771.257	771.461	771.357	771.357
553+920.00	100	441,744.565	6,504,338.980	-2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.049	771.542	771.417	771.374	771.527	771.423	771.423	771.627	771.523	771.523
553+940.00	100	441,724.937	6,504,342.821	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.012	0.057	771.680	771.573	771.504	771.665	771.561	771.561	771.765	771.661	771.661
553+960.00	100	441,705.309	6,504,346.661	-2.00%	-2.00%	-5.2	5.2	-0.015	0.015	0.063	771.839	771.705	771.657	771.824	771.72	771.72	771.924	771.820	771.82
553+980.00	100	441,685.681	6,504,350.501	-2.00%	-2.00%	-5.2	5.2	-0.015	0.002	0.061	771.973	771.852	771.793	771.958	771.854	771.854	772.058	771.954	771.954
554+000.00	100	441,666.054	6,504,354.341	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.013	0.048	772.122	772.016	771.955	772.107	772.003	772.003	772.207	772.103	772.103
554+020.00	100	441,646.426	6,504,358.182	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.006	0.071	772.278	772.165	772.088	772.263	772.159	772.159	772.363	772.259	772.259
554+040.00	100	441,626.798	6,504,362.022	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.010	0.071	772.417	772.308	772.227	772.402	772.298	772.298	772.502	772.398	772.398
554+060.00	100	441,607.170	6,504,365.862	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.011	0.074	772.563	772.460	772.375	772.553	772.449	772.449	772.653	772.549	772.549
554+080.00	100	441,587.542	6,504,369.702	-2.00%	-2.00%	-5.2	5.2	-0.010	-0.022	0.077	772.701	772.609	772.510	772.691	772.587	772.587	772.791	772.687	772.687
554+100.00	100	441,567.914	6,504,373.543	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.027	0.067	772.831	772.739	772.645	772.816	772.712	772.712	772.916	772.812	772.812
554+120.00	100	441,548.286	6,504,377.383	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.014	0.105	772.970	772.865	772.746	772.955	772.851	772.851	773.055	772.951	772.951
554+140.00	100	441,528.659	6,504,381.223	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.007	0.073	773.091	772.974	772.894	773.071	772.967	772.967	773.171	773.067	773.067
554+160.00	100	441,509.031	6,504,385.063	-2.00%	-2.00%	-5.2	5.2	-0.020	0.013	0.082	773.241	773.104	773.035	773.221	773.117	773.117	773.321	773.217	773.217
554+180.00	100	441,489.403	6,504,388.904	-2.00%	-2.00%	-5.2	5.2	-0.020	-0.006	0.038	773.342	773.224	773.180	773.322	773.218	773.218	773.422	773.318	773.318
554+200.00	100	441,469.775	6,504,392.744	-2.00%	-2.00%	-5.2	5.2	-0.010	0.009	0.040	773.462	773.339	773.308	773.452	773.348	773.348	773.552	773.448	773.448
554+220.00	100	441,450.147	6,504,396.584	-2.00%	-2.00%	-5.2	5.2	-0.015	0.026	0.035	773.566	773.421	773.412	773.551	773.447	773.447	773.651	773.547	773.547
554+240.00	100	441,430.519	6,504,400.425	-2.00%	-2.00%	-5.2	5.2	-0.015	0.008	0.038	773.656	773.529	773.499	773.641	773.537	773.537	773.741	773.637	773.637
554+260.00	100	441,410.892	6,504,404.265	-2.00%	-2.00%	-5.2	5.2	-0.015	0.013	0.043	773.774	773.642	773.612	773.759	773.655	773.655	773.859	773.755	773.755
554+280.00	100	441,391.264	6,504,408.105	-2.00%	-2.00%	-5.2	5.2	-0.010	0.024	0.063	773.905	773.767	773.728	773.895	773.791	773.791	773.995	773.891	773.891
554+300.00	100	441,371.636	6,504,411.945	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.006	0.064	774.013	773.900	773.830	773.998	773.894	773.894	774.098	773.994	773.994
554+320.00	100	441,352.008	6,504,415.786	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.023	0.068	774.118	774.022	773.931	774.103	773.999	773.999	774.203	774.099	774.099
554+340.00	100	441,332.380	6,504,419.626	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.010	0.084	774.228	774.119	774.025	774.213	774.109	774.109	774.313	774.209	774.209
554+360.00	100	441,312.752	6,504,423.466	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.003	0.065	774.316	774.200	774.132	774.301	774.197	774.197	774.401	774.297	774.297
554+380.00	100	441,293.124	6,504,427.306	-2.00%	-2.00%	-5.2	5.2	-0.015	0.013	0.082	774.412	774.280	774.211	774.397	774.293	774.293	774.497	774.393	774.393
554+400.00	100	441,273.497	6,504,431.147	-2.00%	-2.00%	-5.2	5.2	-0.025	-0.025	0.063	774.472	774.368	774.280	774.447	774.343	774.343	774.547	774.443	774.443
554+420.00	100	441,253.869	6,504,434.987	-2.00%	-2.00%	-5.2	5.2	-0.025	-0.010	0.072	774.575	774.456	774.374	774.550	774.446	774.446	774.650	774.546	774.546
554+440.00	100	441,234.241	6,504,438.827	-2.00%	-2.00%	-5.2	5.2	-0.030	0.009	0.069	774.682	774.539	774.479	774.652	774.548	774.548	774.752	774.648	774.648
554+460.00	100	441,214.613	6,504,442.667	-2.00%	-2.00%	-5.2	5.2	-0.030	0.019	0.086	774.784	774.631	774.564	774.754	774.65	774.65	774.854	774.750	774.75
554+480.00	100	441,194.985	6,504,446.508	-2.00%	-2.00%	-5.2	5.2	-0.030	0.025	0.046	774.862	774.703	774.682	774.832	774.728	774.728	774.932	774.828	774.828
554+500.00	100	441,175.357	6,504,450.348	-2.00%	-2.00%	-5.2	5.2	-0.020	0.039	0.087	774.964	774.801	774.753	774.944	774.84	774.84	775.044	774.940	774.94
554+520.00	100	441,155.730	6,504,454.188	-2.00%	-2.00%	-5.2	5.2	-0.020	0.008	0.036	775.050	774.918	774.890	775.030	774.926	774.926	775.130	775.026	775.026
554+540.00	100	441,136.102	6,504,458.028	-2.00%	-2.00%	-5.2	5.2	-0.015	0.024	0.063	775.149	775.006	774.967	775.134	775.03	775.03	775.234	775.130	775.13
554+560.00	100	441,116.474	6,504,461.869	-2.00%	-2.00%	-5.2	5.2	-0.015	0.022	0.051	775.233	775.092	775.063	775.218	775.114	775.114	775.318	775.214	775.214
554+580.00	100	441,096.846	6,504,465.709	-2.00%	-2.00%	-5.2	5.2	-0.015	0.006	0.042	775.307	775.182	775.146	775.292	775.188	775.188	775.392	775.288	775.288
554+600.00	100	441,077.218	6,504,469.549	-2.00%	-2.00%	-5.2	5.2	-0.030	0.006	0.044	775.420	775.280	775.242	775.390	775.286	775.286	775.490	775.386	775.386
554+620.00	100	441,057.590	6,504,473.389	-2.00%	-2.00%	-5.2	5.2	-0.030	0.028	0.083	775.554	775.392	775.337	775.524	775.42	775.42	775.624	775.520	775.52
554+640.00	100	441,037.962	6,504,477.230	-2.00%	-2.00%	-5.2	5.2	-0.030	0.016	0.075	775.639	775.489	775.430	775.609	775.505	775.505	775.709	775.605	775.605
554+660.00	100	441,018.335	6,504,481.070	-2.00%	-2.00%	-5.2	5.2	-0.015	-0.010	0.036	775.670	775.561	775.515	775.655	775.551	775.551	775.755	775.651	775.651

PROJECT LOCATION PLAN



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DRAWING INDEX

DRAWING	DESCRIPTION
C0000	COVER PAGE
C0001	PROJECT LOCATION PLAN & DRAWING INDEX
C0002	KM 325 - 355: PROJECT KEY PLAN
C0003	KM 520 - 555: PROJECT KEY PLAN
C0004	LEGEND & CONTROL MONUMENT LOCATIONS
C1101 - C1147	PLAN / PROFILE - KM 324+640 TO 355+360
C1201 - C1254	PLAN / PROFILE - KM 519+970 TO 555+160
C1301	TYPICAL SECTIONS - FULL DEPTH RECLAMATION
C1302	TYPICAL SECTIONS - KM 325 PAVEMENT SHOULDER WIDTH TRANSITION & STANDARD BARRIER FLARE TERMINAL
C1303	ASPHALT PAVEMENT TIE-IN & TRANSITION DETAILS
C1304	PAINT MARKING DETAILS
C1305	ACCESS ROAD DETAILS
C1306	RUMBLE STRIP DETAILS
C1307	TYPICAL SECTIONS - FULL PAVEMENT RECONSTRUCTION
C1501 - C1505	KM 525.4 CHAIN UP AREA PLAN / PROFILE / SECTIONS
C1511 - C1513	KM 533.1 REST STOP PLAN / PROFILE / SECTIONS
C1521	KM 535.2 REST STOP DECOMMISSIONING PLAN
C1551 - C1555	KM 545.0 EMBANKMENT BORROW AREA PLAN / SECTIONS
C1561 - C1566	KM 547 CHAIN UP AREA PLAN / PROFILE / SECTIONS

DRAWING INDEX

DRAWING	DESCRIPTION
C1601 - C1604	KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION PLAN / PROFILE / SECTIONS
C1611 - C1618	KM 346 - KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT PLAN / SECTIONS
C1621	KM 353.66 EMBANKMENT RECONSTRUCTION PLAN / SECTION
C1631 - C1633	KM 354.0 - KM 354.5 DITCH RE-ESTABLISHMENT PLAN / SECTIONS
C1701 - C1706	KM 528.2 SAG CURVE RECONSTRUCTION PLAN / PROFILE / SECTIONS
C1711 - C1716	KM 545.3 SLOPE RECONSTRUCTION PLAN / SECTIONS
C1801 - C1802	KM 534.43 CULVERT PLAN / PROFILE / SECTIONS
C1811 - C1814	KM 546.7 CULVERT PLAN / PROFILE / SECTIONS

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROV. OF BRITISH COLUMBIA — ERIK G. LI — # 22760

1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12
Revision/ Revision	Description/Description	Date/Date

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

PROJECT LOCATION PLAN & DRAWING INDEX

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C0001	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C0000-0004 COVER & KEY PLAN.dwg [C0001] May 11, 2021 - 1:42:04 pm (BY: ERIKS, COLIN)

PWGSC — A1 — 841x594

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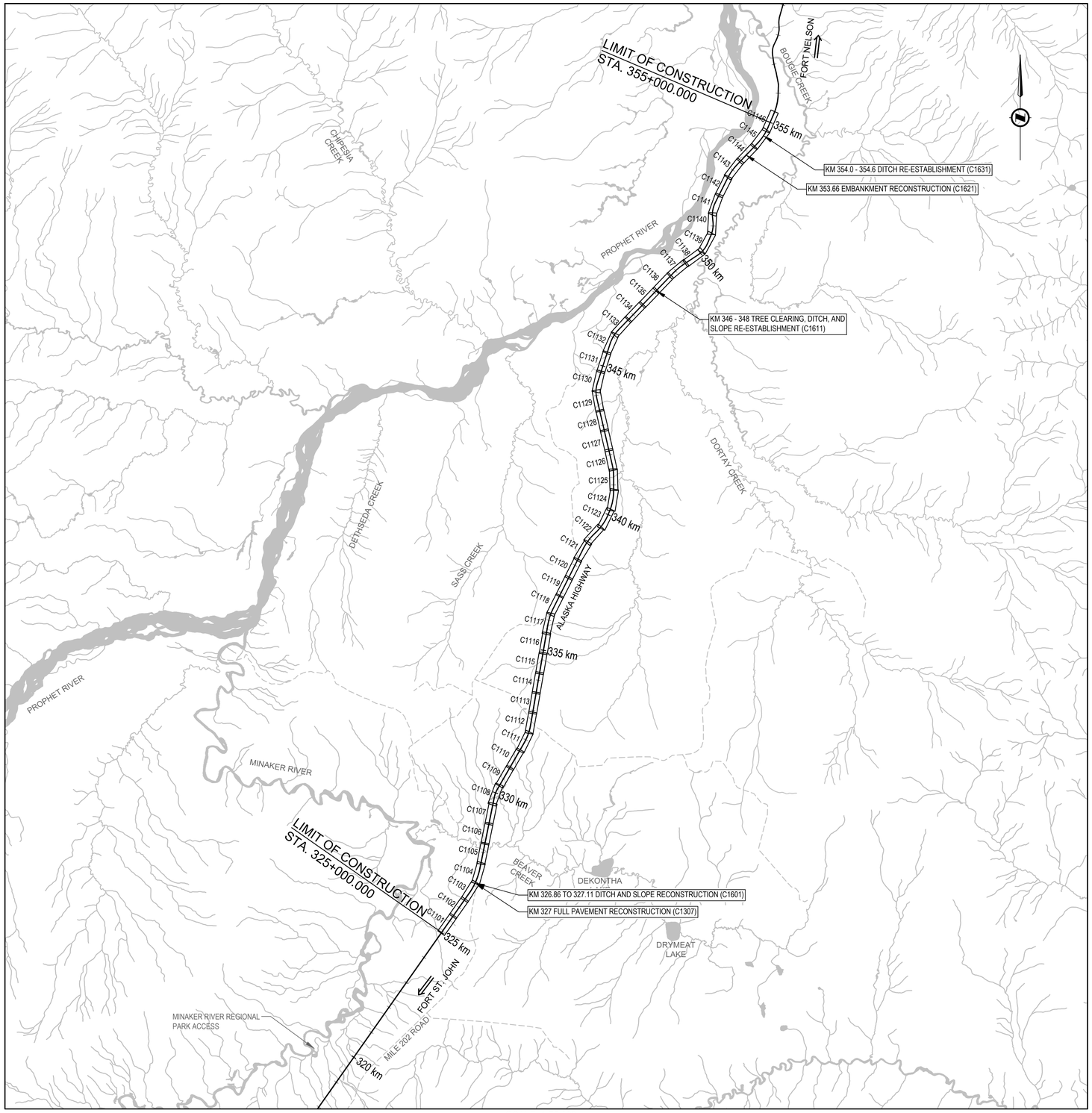
1

KM 325 - 355: PROJECT KEY PLAN



SCALE: 1:75,000

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

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Scale: 1: 75 000 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 325 - KM 355: PROJECT KEY PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C0002	1

PWGSC – A1 – 841x594
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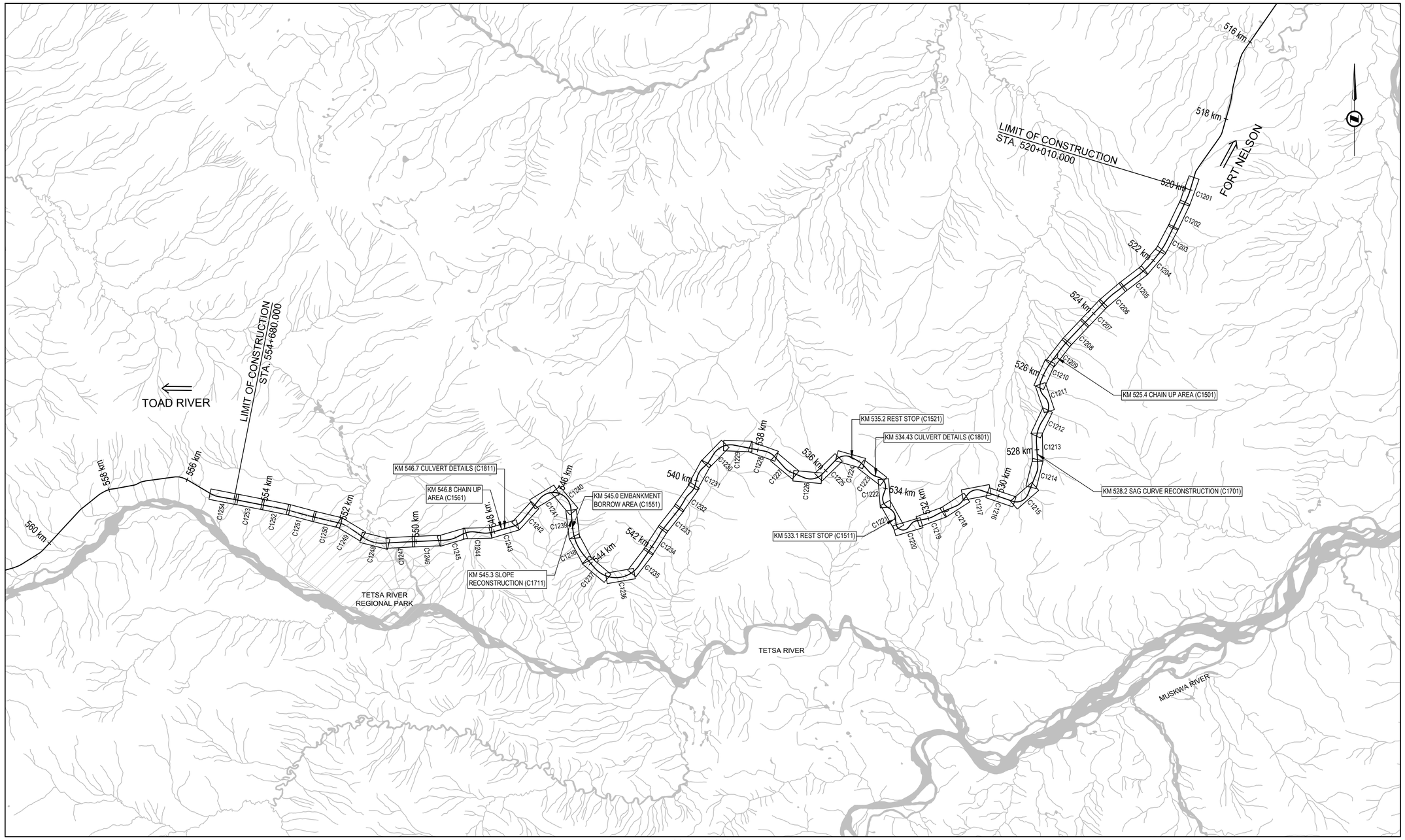
KM 520 - 555: PROJECT KEY PLAN



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Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER — PROV. OF B.C. — SHIH A. LI — # 22760

0 2 500
Scale: 1: 50 000 (metres)

1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12
Revision/ Revision	Description/Description	Date/Date

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 520 - KM 555: PROJECT KEY PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C0003	1

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1

LEGEND

LINETYPE (EXISTING)	LINETYPE (PROPOSED)
EDGE OF BST	PAVEMENT EDGE
CENTERLINE	CENTERLINE
BARRIERS	BARRIERS
WHITE LINE	WHITE LINE
SHOULDER	YELLOW LINE
TOP OF BANK	SHOULDER
TOE OF FILL	TOP OF BANK
1070 5m CONTOUR	TOE OF FILL
1071 1m CONTOUR	DITCH
F/O F/O FIBER OPTIC CABLE	SB SUPERELEVATION PROFILES
EW EDGE OF WATER	NB SUPERELEVATION PROFILES
DITCH	RIPRAP
TREELINE	TREE CLEARING
FAILURE	SUBEXCAVATION
CULVERT	
CONTROL MONUMENT	
SINGLE POST SIGN	
POWER POLE	
RIPRAP	
WETLAND	

520+000

PROJECT CONTROL MONUMENTS FOR KM 325-355

POINT	EASTING	NORTHING	ELEVATION
KM315-1	499,827.681	6,395,459.522	841.867
KM315-2	500,017.069	6,395,708.954	842.630
KM320-1	502,666.385	6,399,349.706	790.140
KM320-2	502,785.707	6,399,492.569	794.357
KM325-1	505,065.270	6,402,757.825	796.528
KM325-2	505,252.201	6,403,022.883	793.951
KM330-1	507,162.818	6,407,776.769	758.243
KM330-2	507,326.522	6,408,055.861	759.791
KM335-1	508,891.014	6,412,848.152	795.427
KM335-2	508,882.709	6,413,104.737	796.824
KM340-1	510,839.941	6,416,841.487	725.784
KM340-2	511,063.429	6,417,310.534	694.712
KM345-1	510,839.644	6,422,243.920	617.164
KM345-2	510,981.880	6,422,511.573	613.672
KM350-1	514,029.003	6,425,701.662	601.702
KM350-2	514,151.727	6,425,845.164	598.973
KM355-1	516,016.809	6,429,440.817	589.369
KM355-2	516,198.216	6,429,753.896	588.445
KM360-2	516,765.795	6,434,198.885	578.403

PROJECT CONTROL MONUMENTS FOR KM 520-555

POINT	EASTING	NORTHING	ELEVATION
MON 543-1	450,930.807	6,502,711.536	820.434
MON 543-2	450,725.853	6,502,633.789	820.664
MON 550-1	445,844.421	6,503,493.712	730.053
MON 550-2	445,549.642	6,503,475.905	706.399

NOTES:

1. ELEVATIONS ARE GEODETIC AND DERIVED FROM DUAL FREQUENCY CARRIER PHASE GPS. OBSERVATIONS PROCESSED USING PSPC CONTROL MONUMENTS AND PPP
2. CONTROL POINT DATUM: NAD83
   CONTROL POINT VERTICAL DATUM: CGVD 28
   CONTROL POINT PROJECTION: UTM ZONE 10
3. BASE MAPPING SURVEY KM 520.000 TO 554.747 FROM APEX SURVEY SOLUTIONS LTD. FALL 2017
4. BASE MAPPING SURVEY KM 325 - 355, FROM WESTCAN GEOMATICS FALL 2017
3. BASE MAPPING SURVEY KM 520 TO 555 FROM APEX SURVEY SOLUTIONS LTD. FALL 2017
4. OTHER CONTROL MONUMENTS NOT LISTED IN THE ABOVE CONTROL MONUMENTS AND POINTS TABLE SHALL NOT BE USED FOR WORK UNLESS OTHER CONTROL MONUMNETS ARE SUBMITTED TO AND ACCEPTED BY THE DEPARTMENTAL REPRESENTATIVE.

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

LEGEND & CONTROL MONUMENT LOCATIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C0004	1

PWGSC – A1 – 841x594

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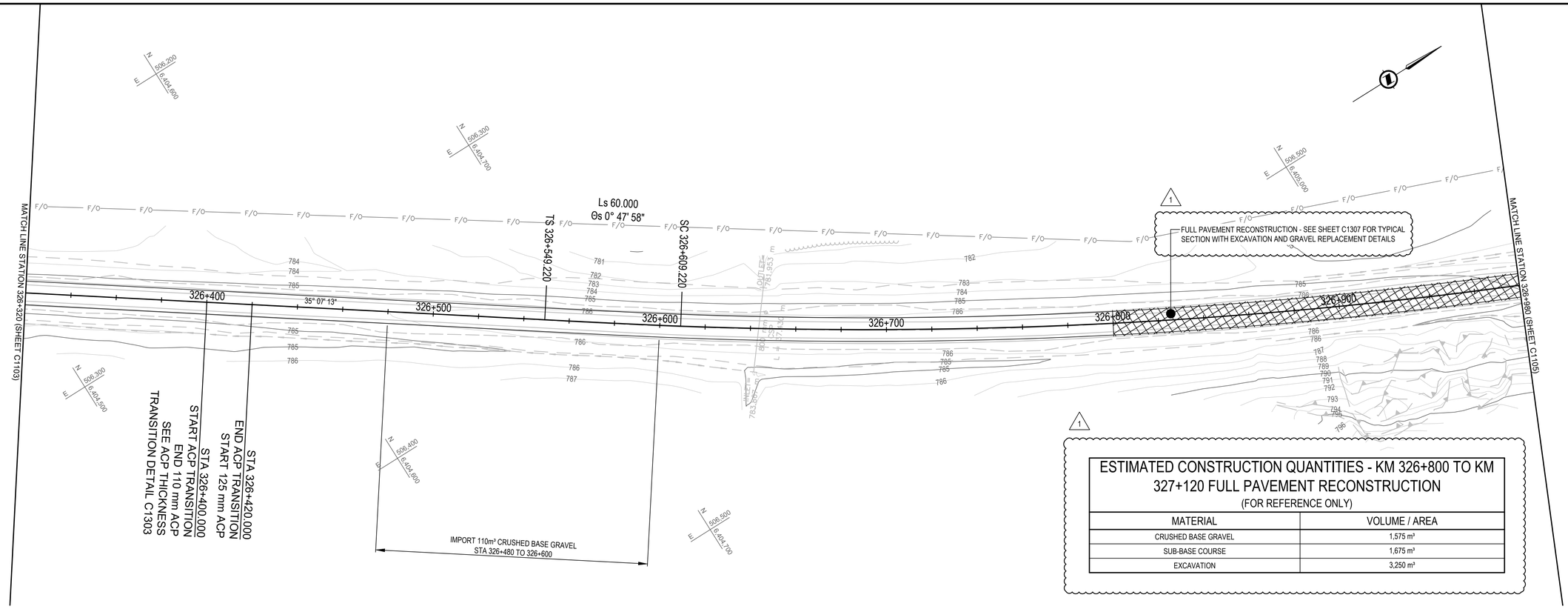
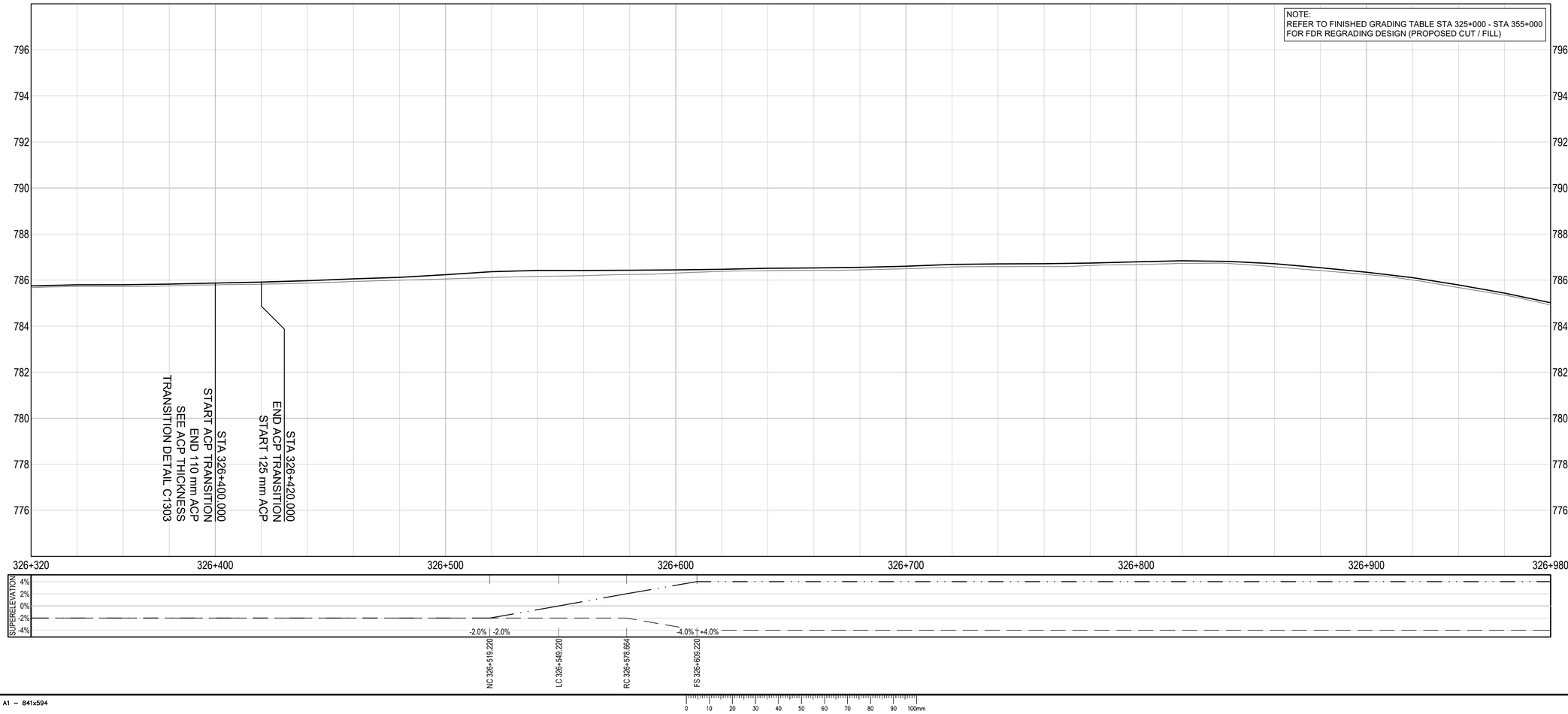


ESTIMATED CONSTRUCTION QUANTITIES - KM 326+800 TO KM 327+120 FULL PAVEMENT RECONSTRUCTION

(FOR REFERENCE ONLY)

MATERIAL	VOLUME / AREA
CRUSHED BASE GRAVEL	1,575 m³
SUB-BASE COURSE	1,675 m³
EXCAVATION	3,250 m³

NOTE:
REFER TO FINISHED GRADING TABLE STA 325+000 - STA 355+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22760
ENGINEER

0 50
Horiz. Scale: 1: 1000 (metres)
0 5
Vert. Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

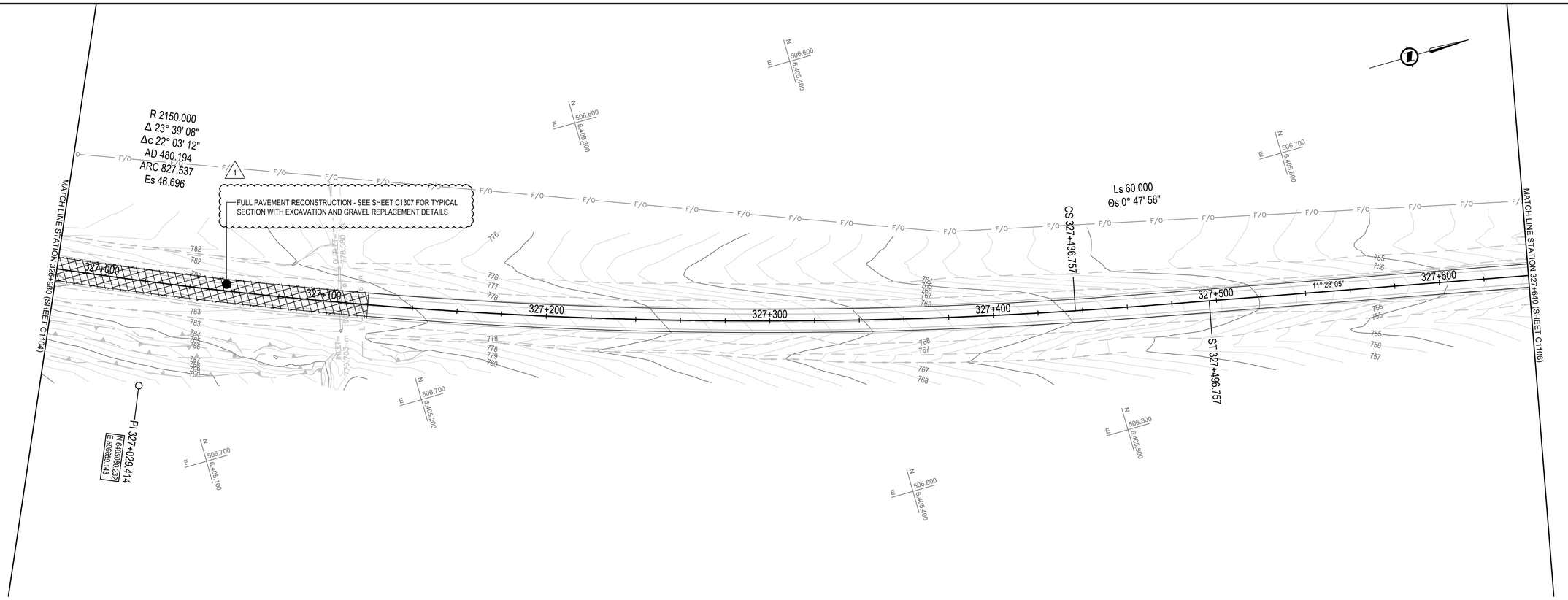
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 326+320 TO STA. 326+980

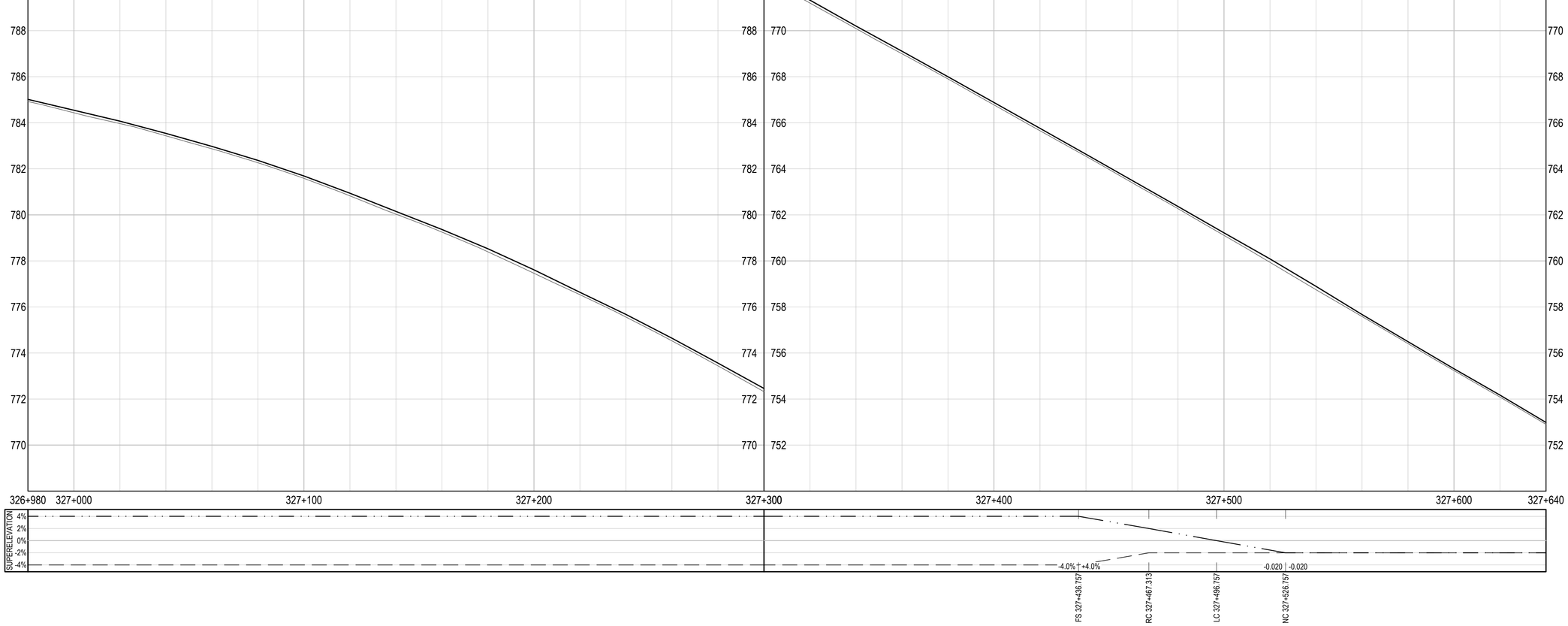
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1104 OF	1

Q:\Vancouver\Transportation\TRN\.VHWY\Projects\TRN\.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1101-1106 PLAN PROFILES.dwg [C1104] May 11, 2021 - 4:31:10 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594



NOTE:
REFER TO FINISHED GRADING TABLE STA 325+000 - STA 355+000
FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)



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PWGSC – A1 – 841x594

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Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. LI
22760
BRITISH COLUMBIA
21 MAY 12

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

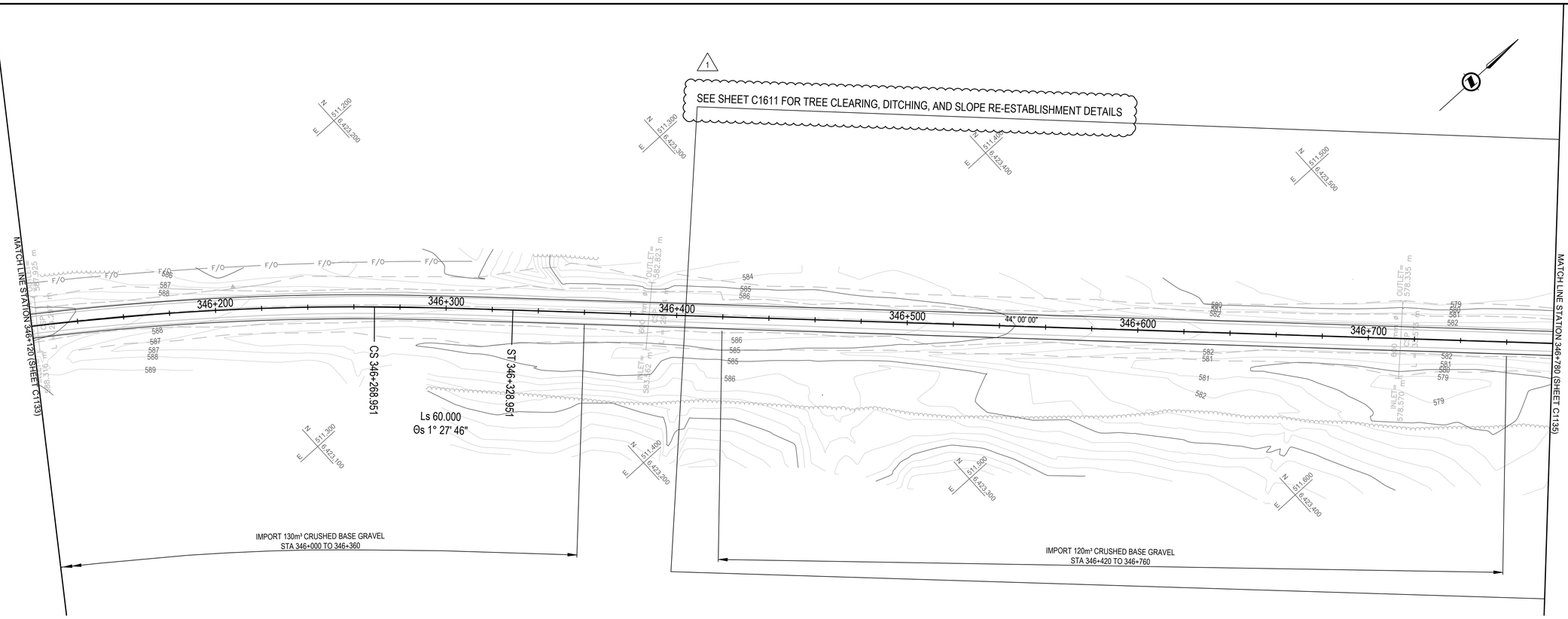
PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

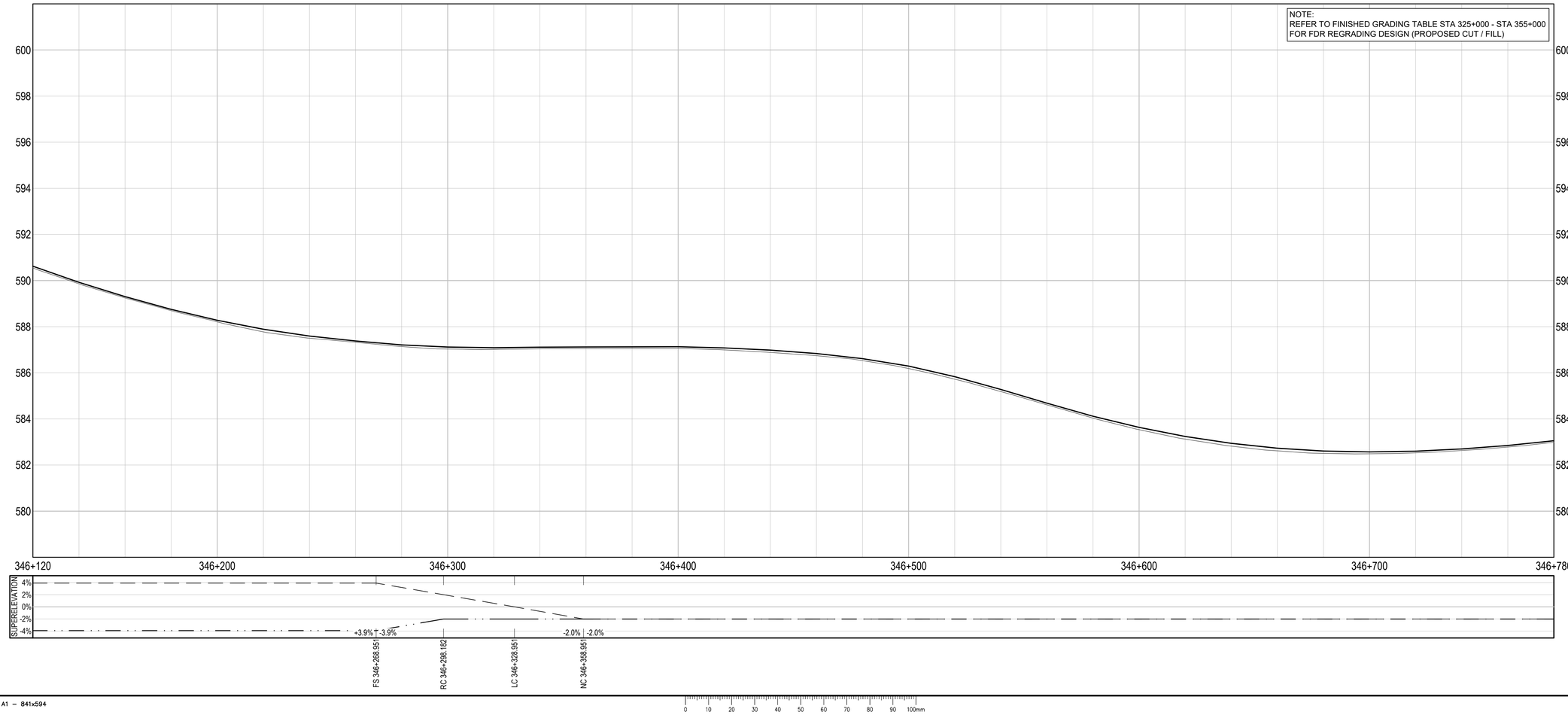
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 326+980 TO STA. 327+640

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1105 OF	1





NOTE:
REFER TO FINISHED GRADING TABLE STA 325+000 - STA 355+000
FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. G. LI
22760
BRITISH COLUMBIA
ENGINEER
APPROVED 2021-05-11

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Drawn by/Dessine par
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A.TAHERI

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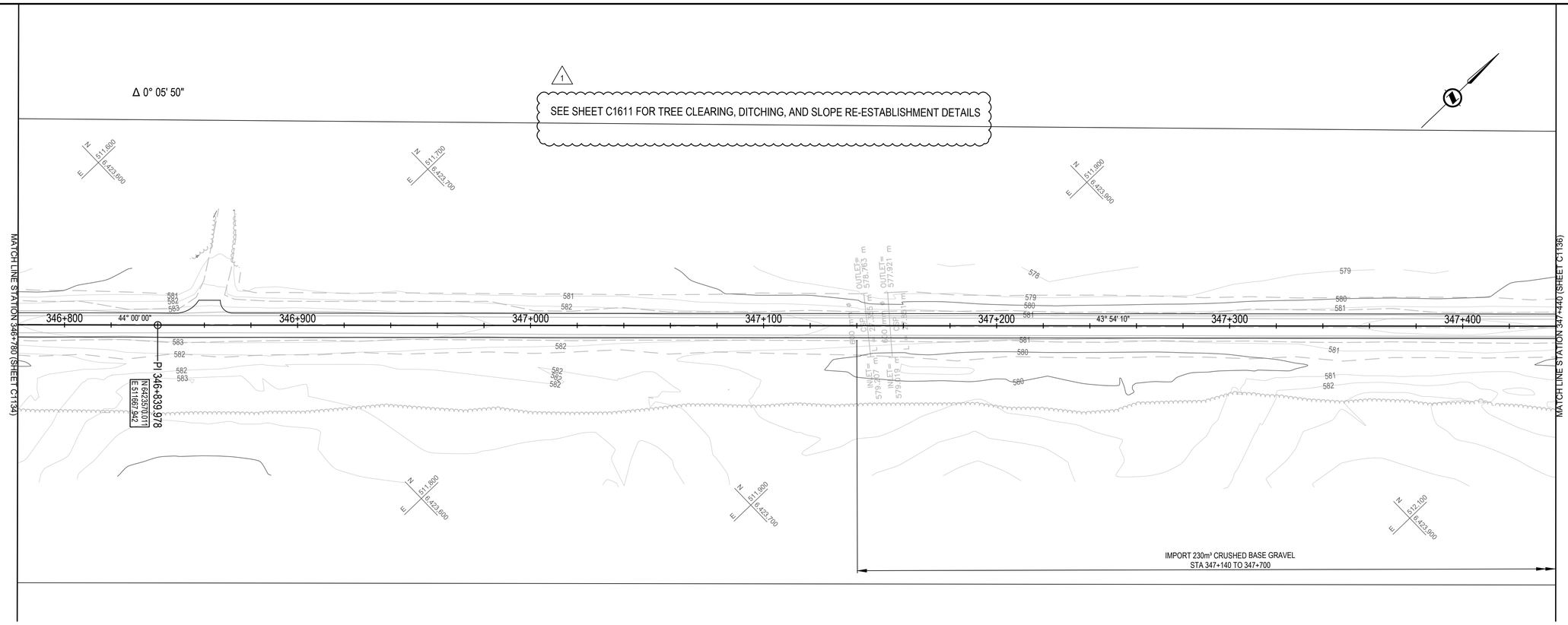
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

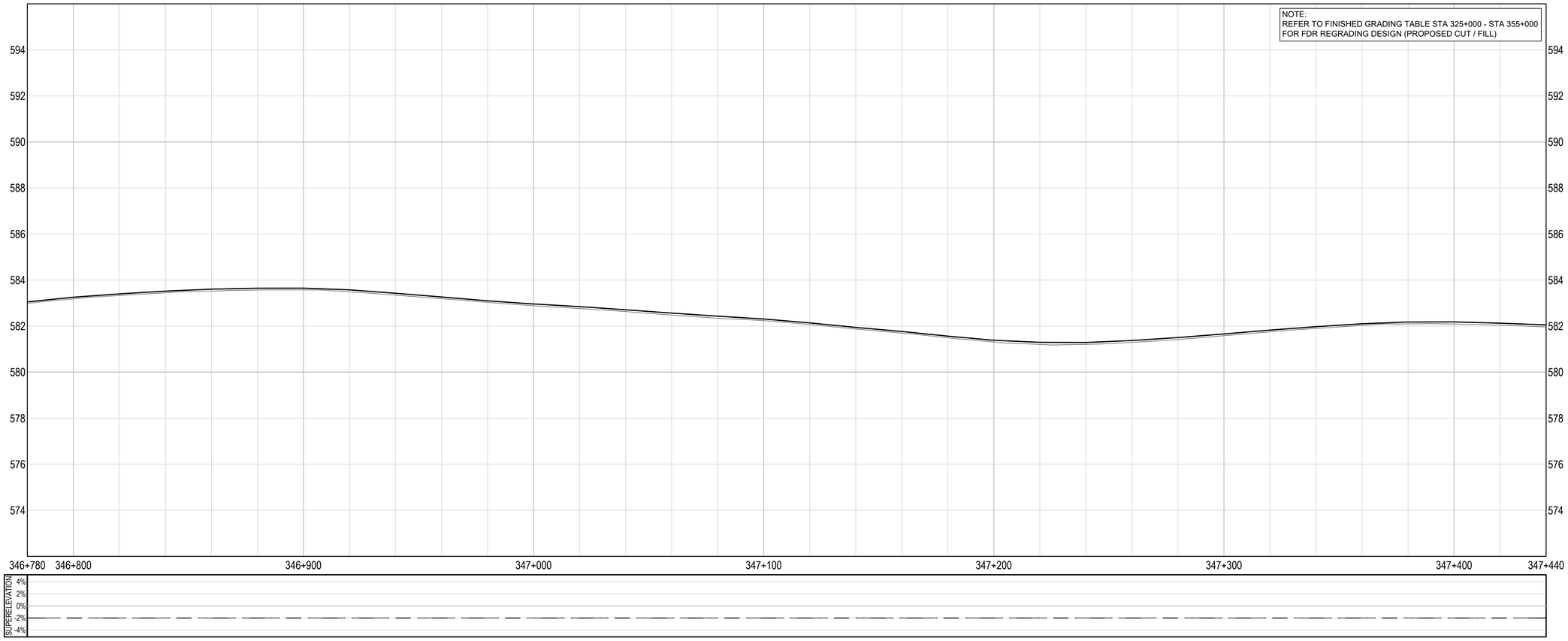
Drawing title/Titre du dessin
PLAN / PROFILE STA. 346+120 TO STA. 346+780

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1134 OF	1

Q:\Vancouver\Transportation\TRN\VHWYProjects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1127-1136 PLAN PROFILES.dwg [C1134] May 11, 2021 - 4:46:04 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594





Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX.XXX

PROFESSIONAL ENGINEER PROV. OF B.C. S. G. LI # 22760 — 2021-05-11

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 346+780 TO STA. 347+440

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1135 OF	1

PWGSC – A1 – 841x594

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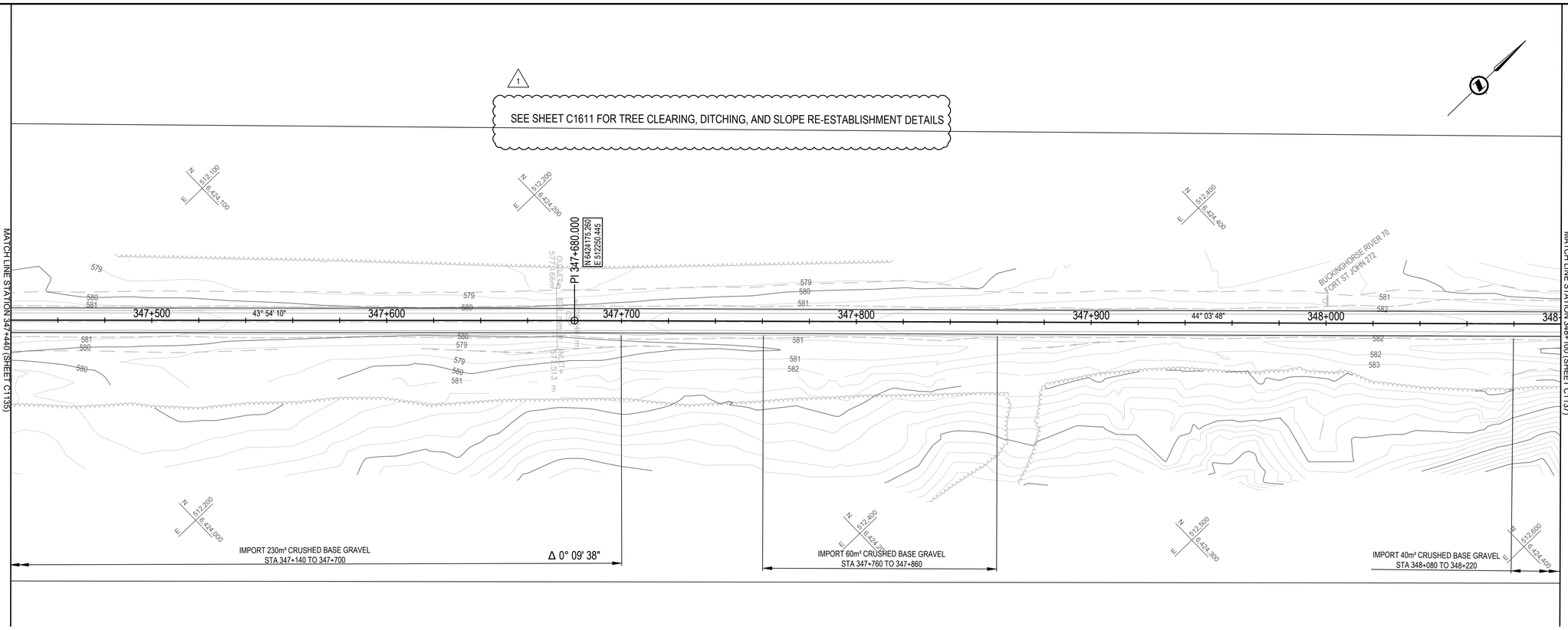

NOTE:
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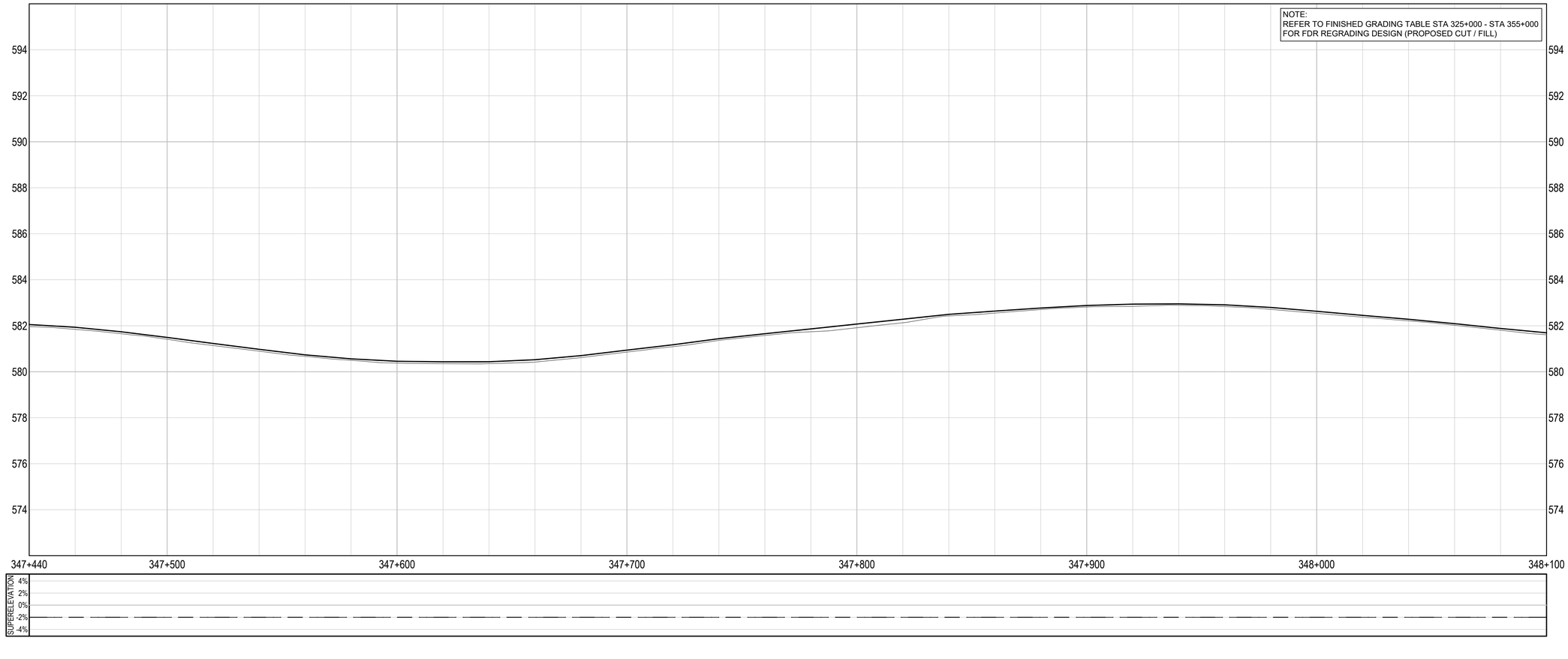

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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SOUTHBOUND / NORTHBOUND
X.XX% | X.XX%
XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. LI
22760
ENGINEER

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE
STA. 347+440 TO STA. 348+100

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1136 OF	1

PWGSC – A1 – 841x594

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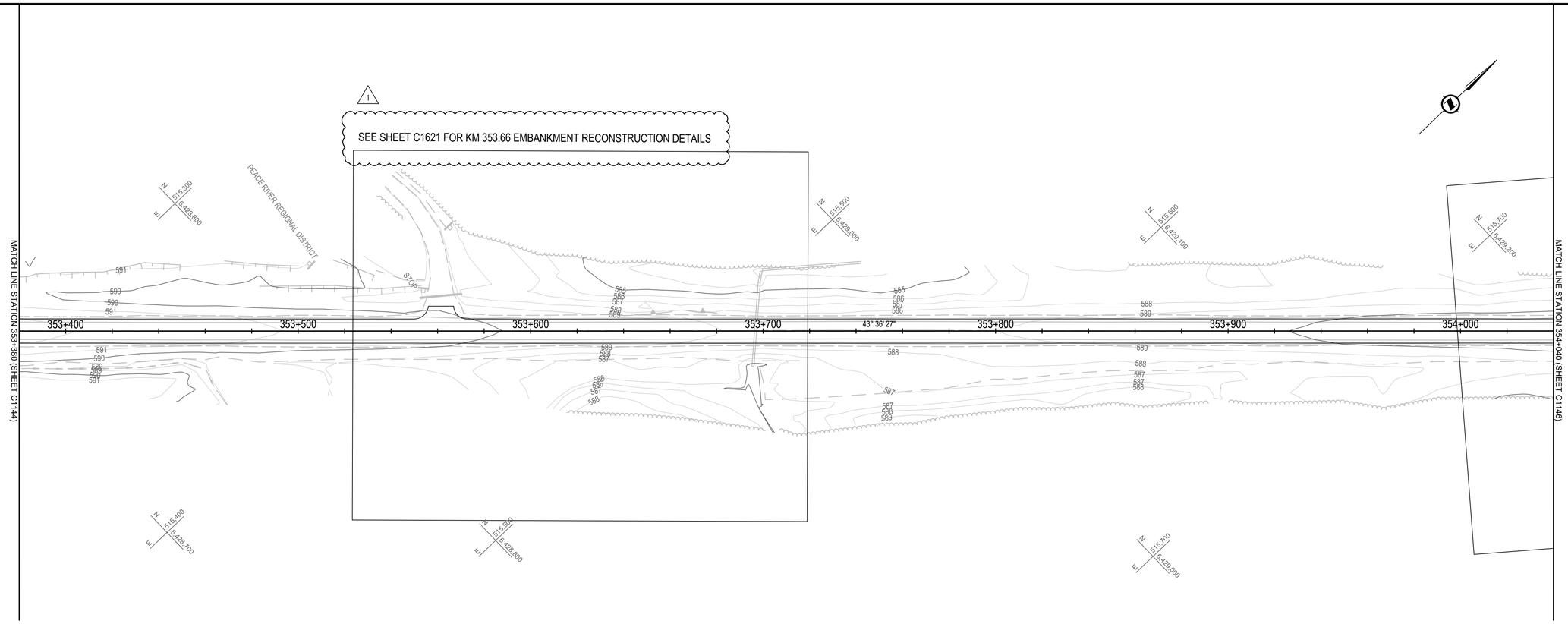

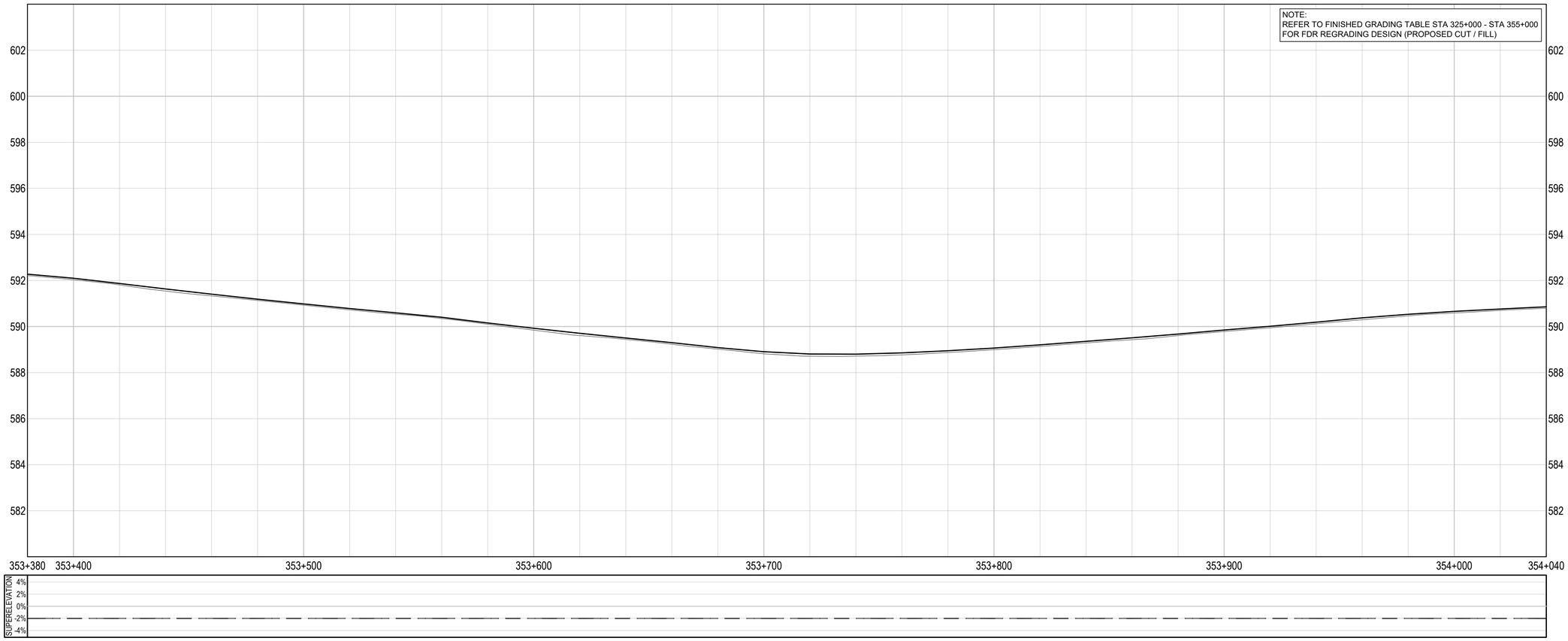

NOTE:
REFER TO FINISHED GRADING TABLE STA 325+000 - STA 355+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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NC = NORMAL CROWN
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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. G. LI
22760
ENGINEER

0 50
Horiz. Scale: 1: 1000 (metres)
0 5
Vert. Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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Client/client
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TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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Drawn by/Dessine par
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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE
STA. 353+380 TO STA. 354+040

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1145 OF	1

Q:\Vancouver\Transportation\TRN.VHWYProjects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1137-1147 PLAN PROFILES.dwg [C1145] May 11, 2021 - 4:41:34 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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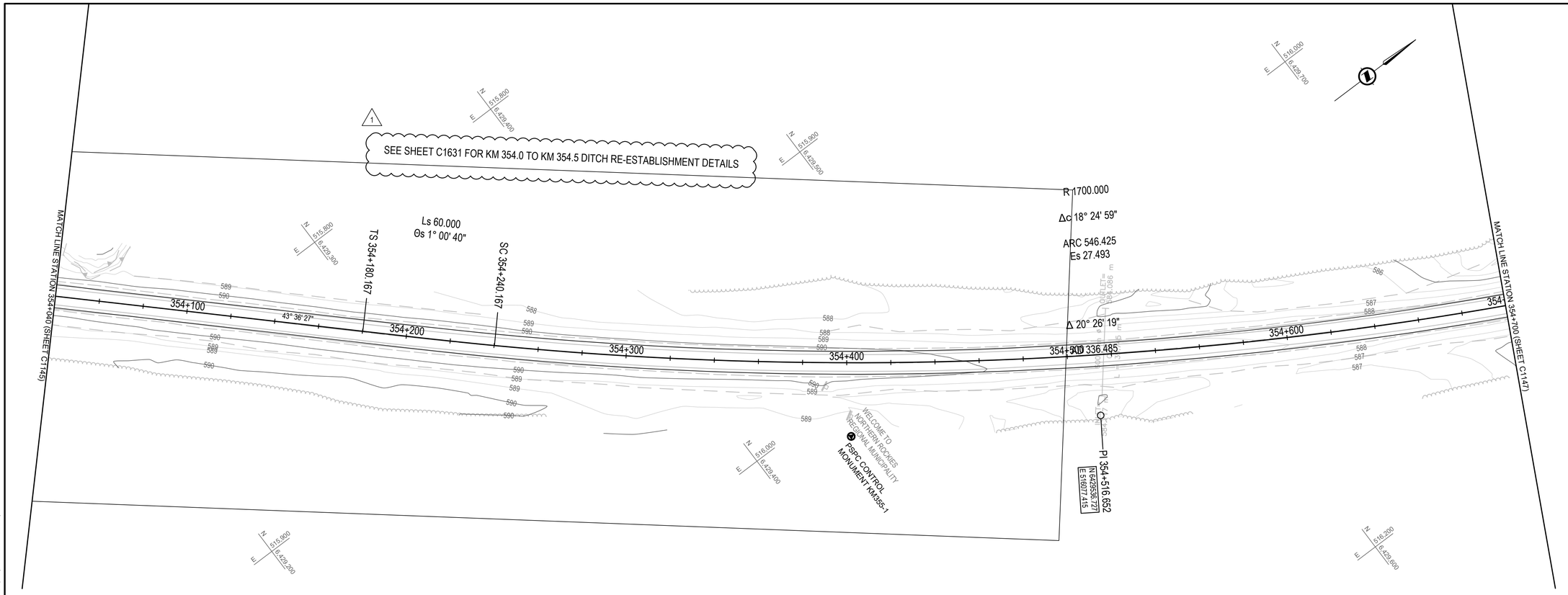
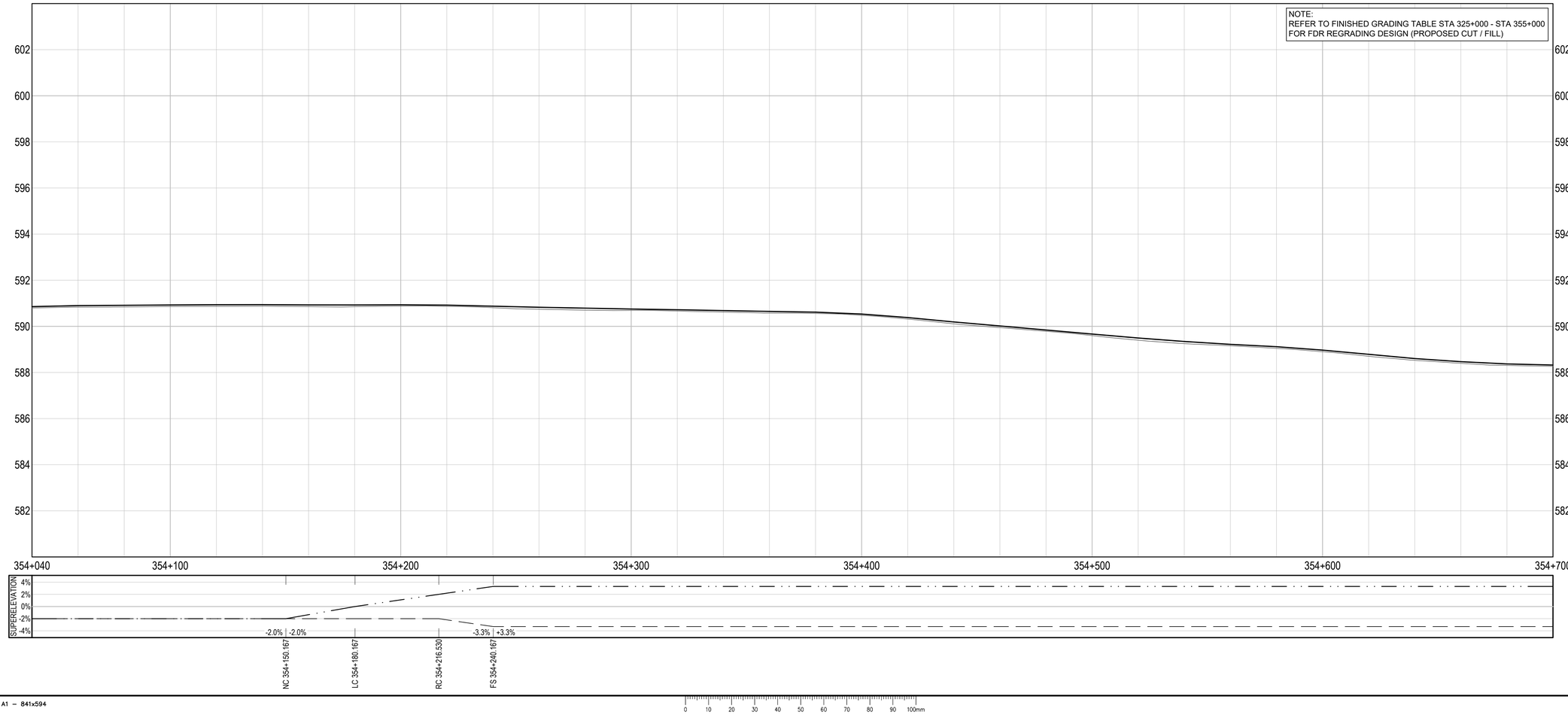


NOTE:
REFER TO FINISHED GRADING TABLE STA 325+000 - STA 355+000
FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)



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PWGSC – A1 – 841x594

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Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XXX+XXX

PROFESSIONAL ENGINEER PROV. OF BRITISH COLUMBIA S. LI # 22760

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
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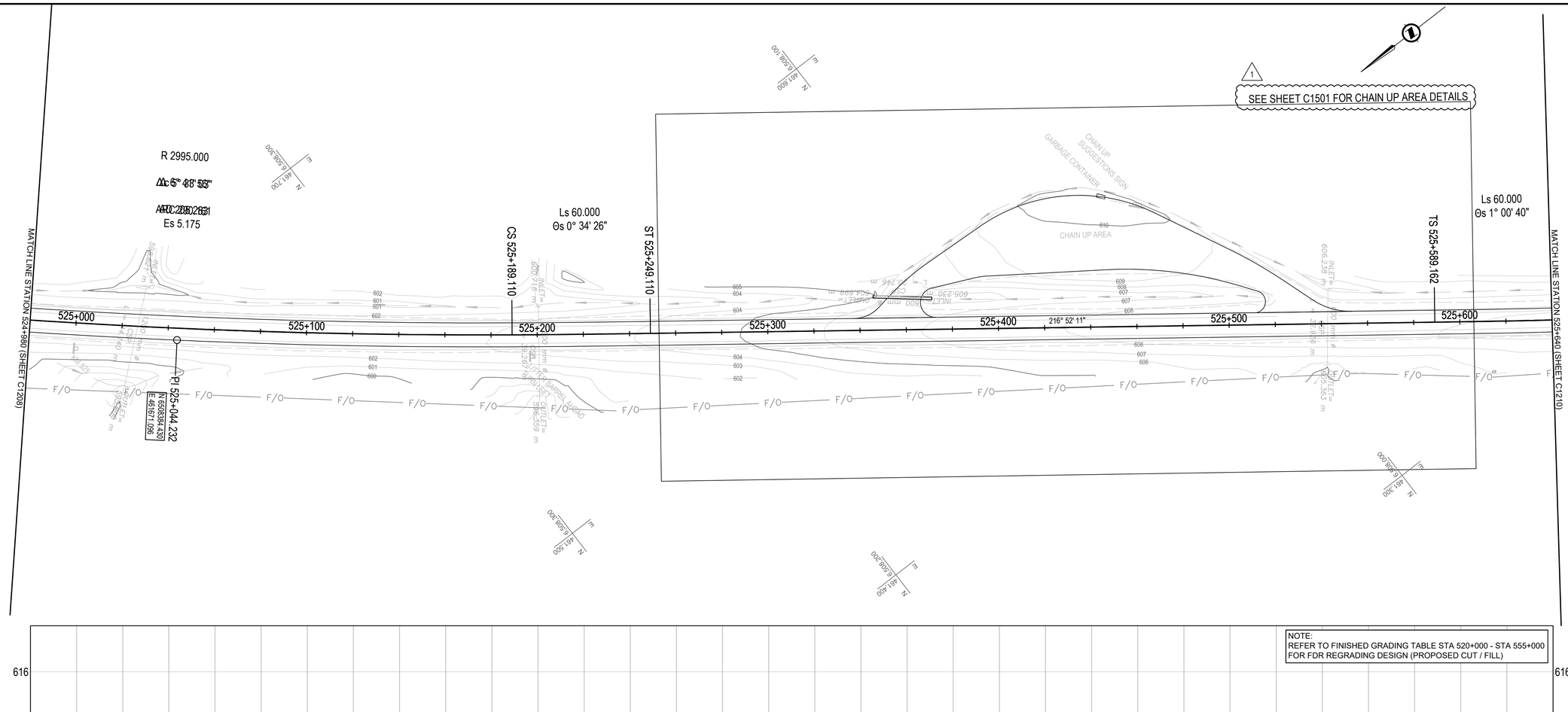
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 354+040 TO STA. 354+700

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1146 OF	1



Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1201-1210 PLAN PROFILES.dwg [C1209], May 11, 2021 - 5:53:02 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22760
2021/05/11
SIGNATURE
VETTED

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

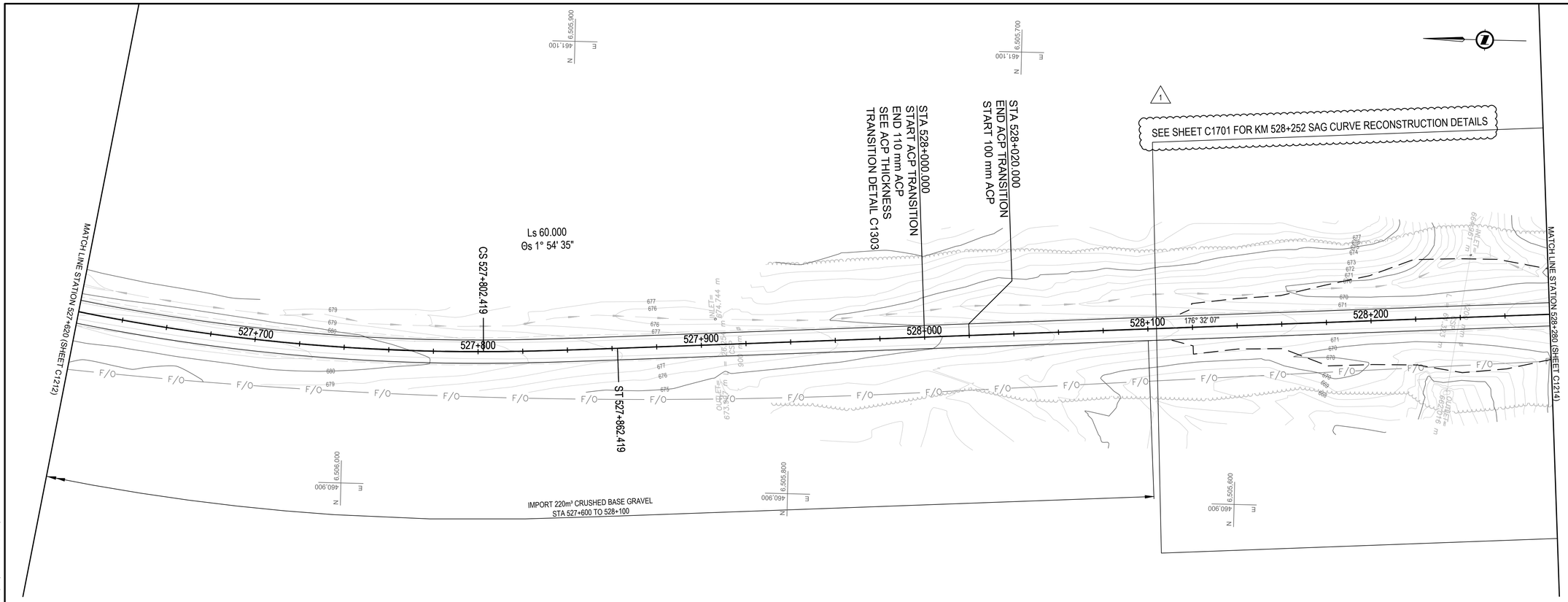
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

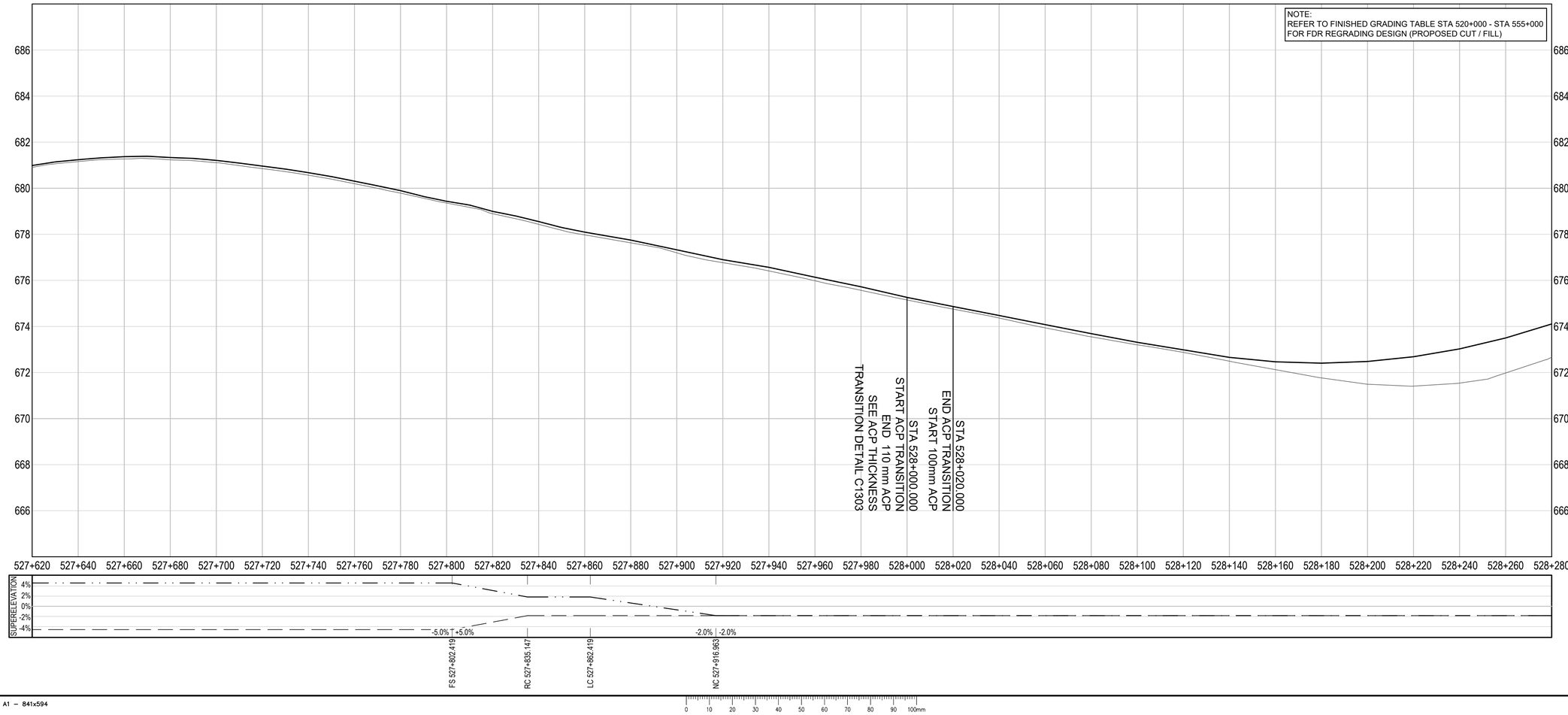
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

PLAN / PROFILE
STA. 524+980 TO STA. 525+640

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1209 OF	1





Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

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FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22760
CANADA
21 MAY 11

Horiz. Scale: 1: 1000 (metres) (0, 50)
Vert. Scale: 1: 100 (metres) (0, 5)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

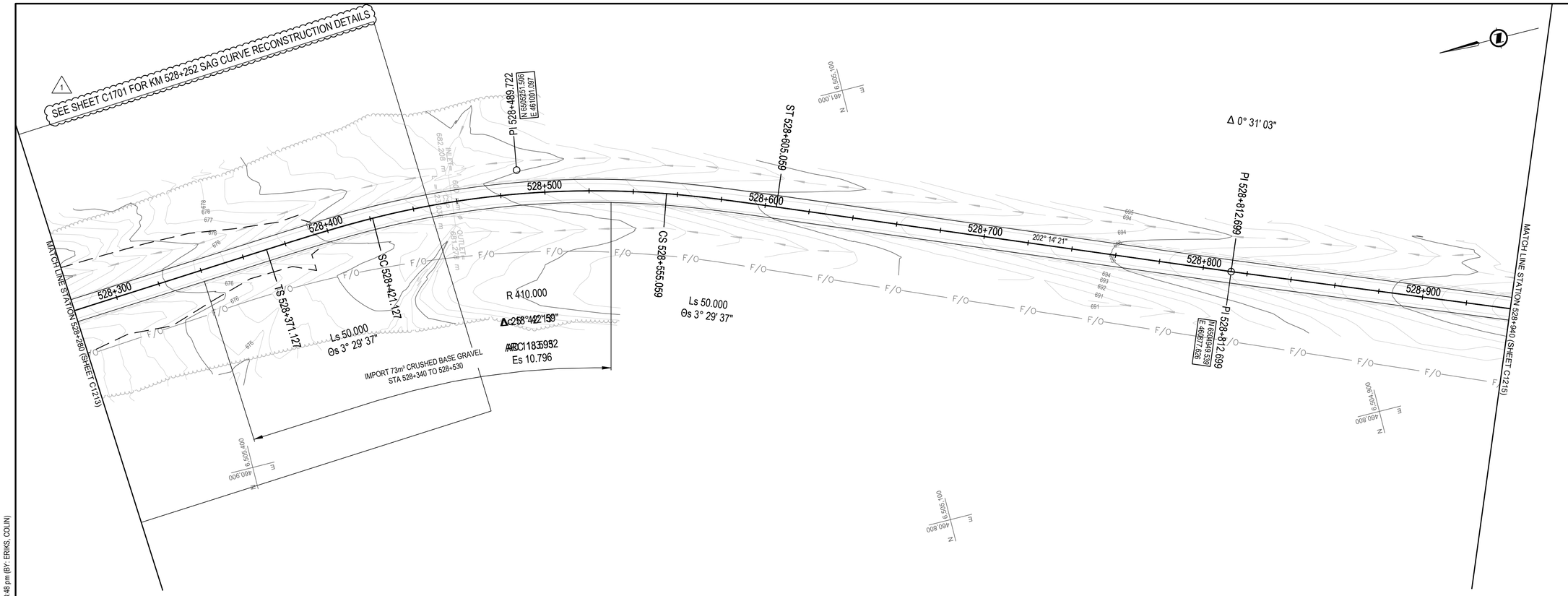
Drawing title/Titre du dessin

PLAN / PROFILE STA. 527+620 TO STA. 528+280

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1213 OF	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1211-1220 PLAN PROFILES.dwg [C1213] May 11, 2021 - 7:18:24 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594



NOTE:
REFER TO FINISHED GRADING TABLE STA 520+000 - STA 555+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

PROFESSIONAL ENGINEER
PROV. OF BRITISH COLUMBIA
S. G. LI
22760
2021 MAY 12

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

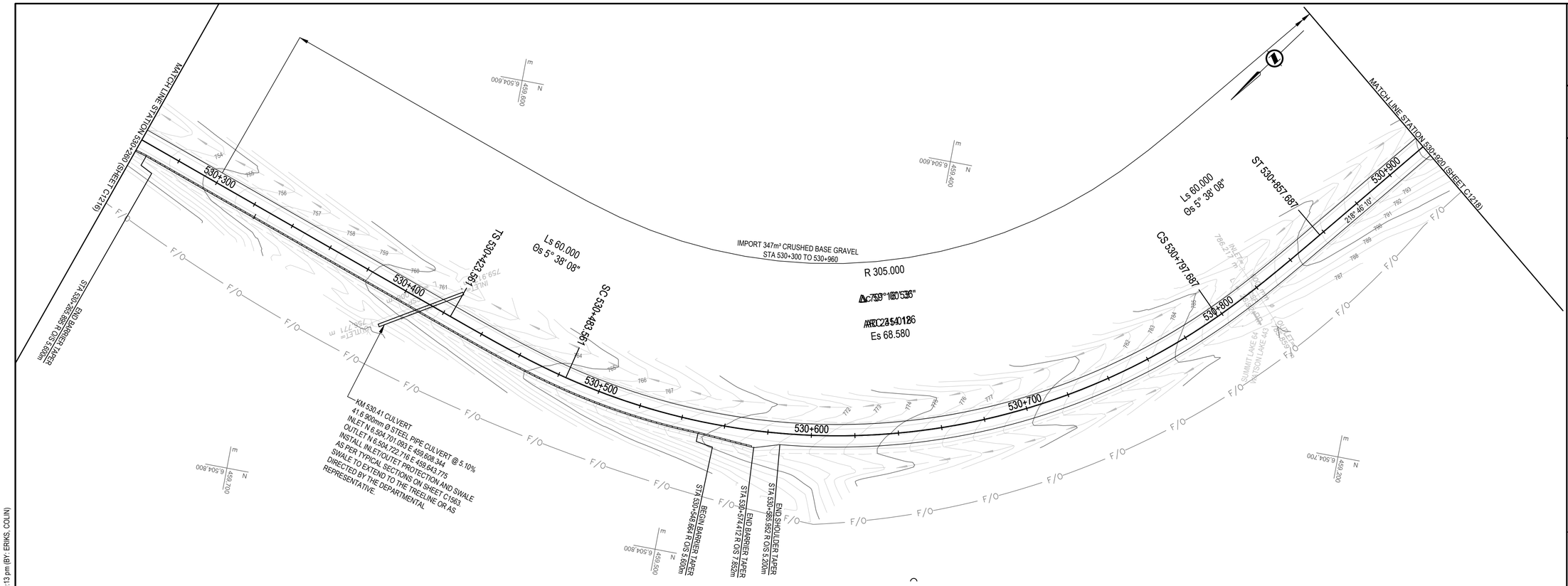
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 528+280 TO STA. 528+940

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1214 OF	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1211-1220 PLAN PROFILES.dwg [C1214] May 11, 2021 - 7:18:48 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594



Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX+XXX

PROFESSIONAL ENGINEER
PROV. OF BRITISH COLUMBIA
S. G. LI
22760
May 11, 2021

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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Client/client
Public Services and Procurement Canada

TETRA TECH

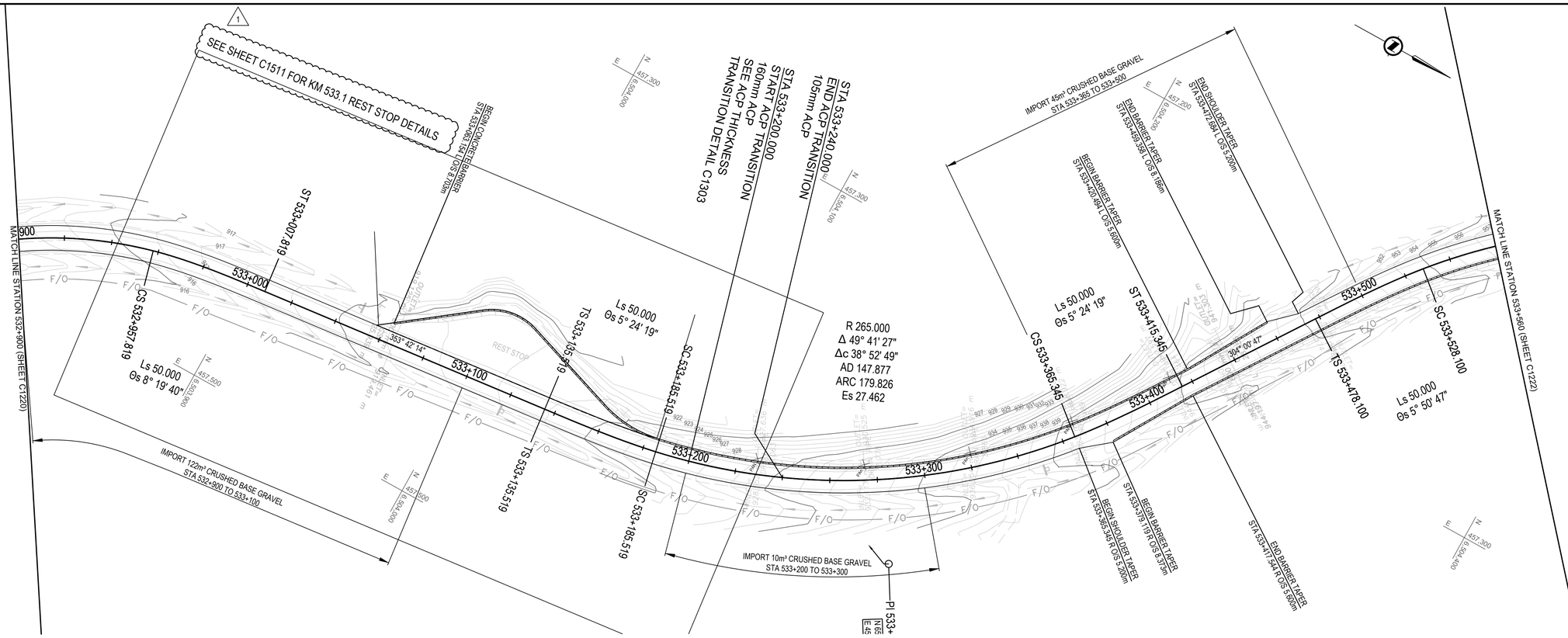
Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

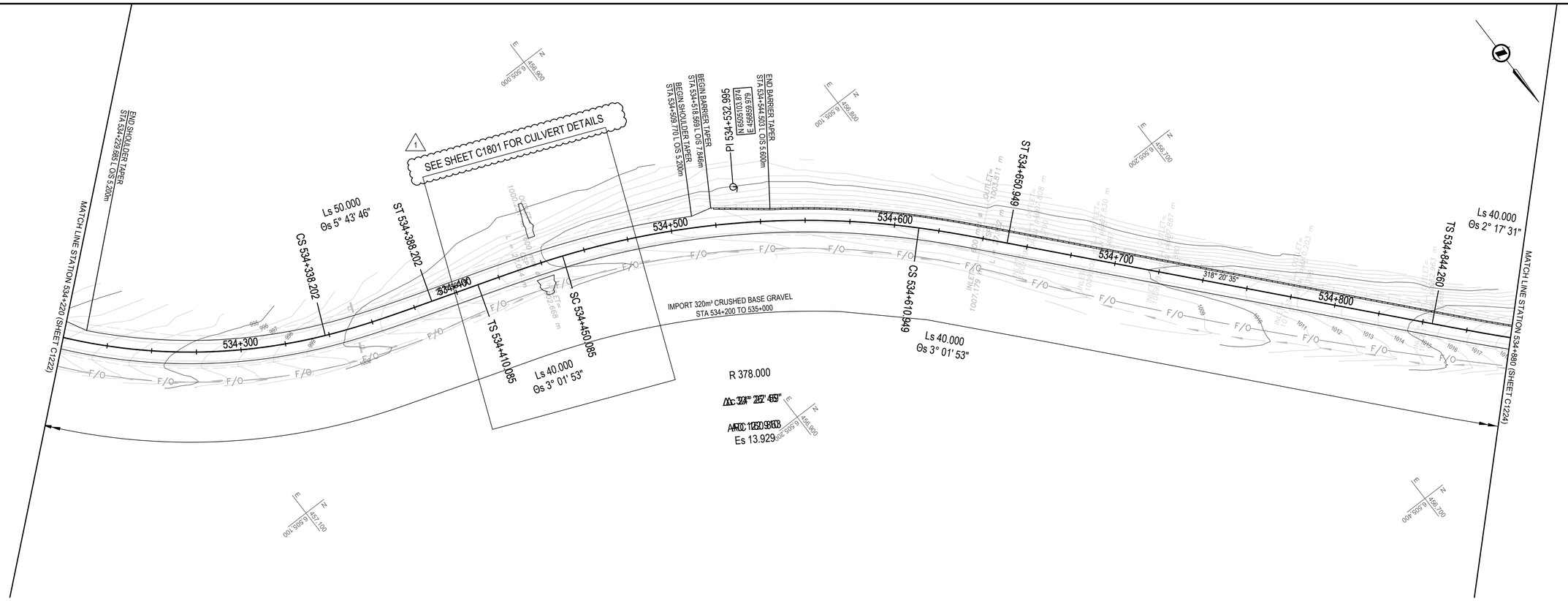
Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**
Drawing title/Titre du dessin: **PLAN / PROFILE STA. 530+260 TO STA. 530+920**

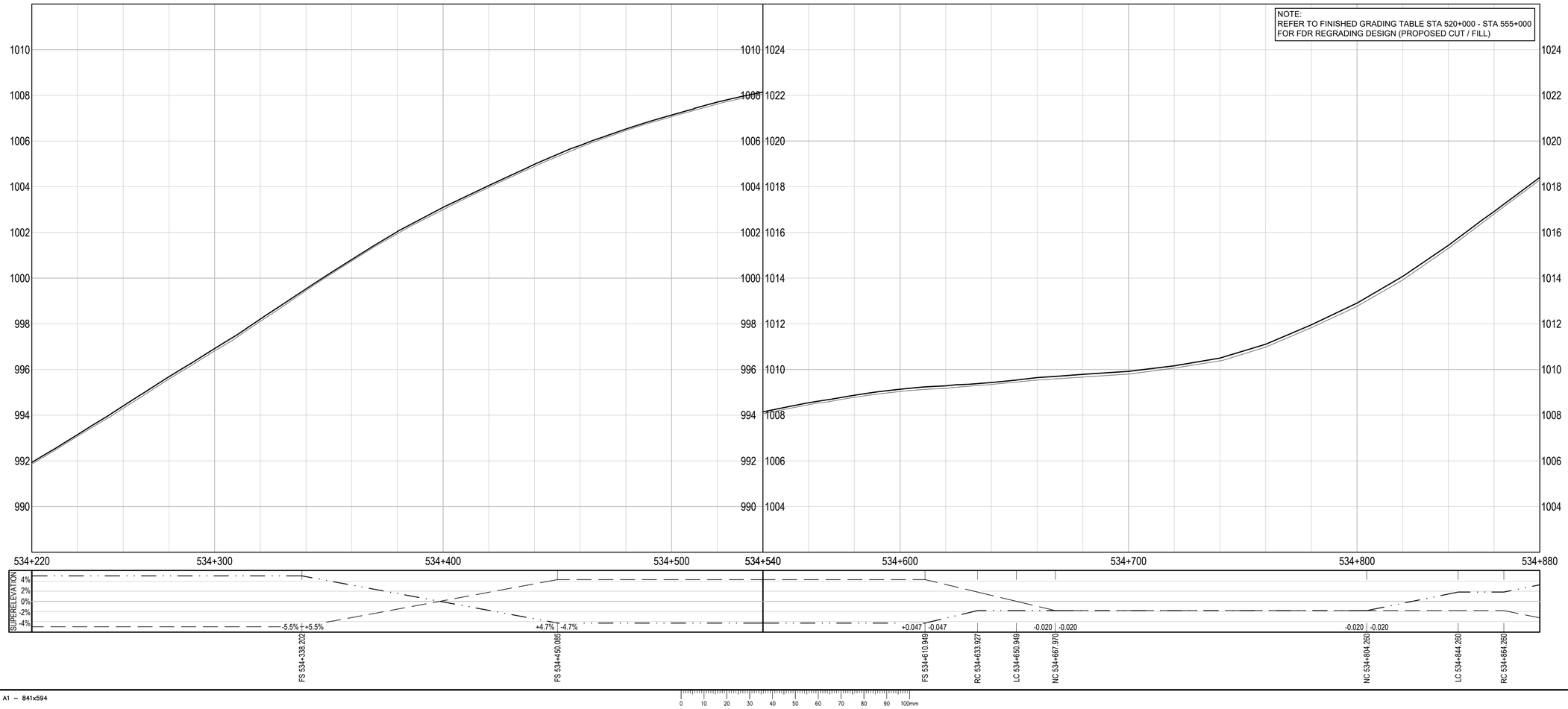
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1217 OF	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1211-1220 PLAN PROFILES.dwg [C1217] May 11, 2021 - 7:19:13 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594


SEE SHEET C1511 FOR KM 533.1 REST STOP DETAILS
BEGIN CONCRETE BARRIER STA 532+961.181 LOS 8.810m
STA 533+207.819
CS 532+957.819
Ls 50.000
Θs 8° 19' 40"
533+000
533+100
TS 533+135.519
Ls 50.000
Θs 5° 24' 19"
353° 42' 14"
533+200
SC 533+185.519
533+300
STA 533+200.000
START ACP TRANSITION
160mm ACP
SEE ACP THICKNESS
TRANSITION DETAIL C1303
STA 533+240.000
END ACP TRANSITION
105mm ACP
R 265.000
Δ 49° 41' 27"
Δc 38° 52' 49"
AD 147.877
ARC 179.826
Es 27.462
REST STOP
IMPORT 122m³ CRUSHED BASE GRAVEL
STA 532+900 TO 533+100
IMPORT 10m³ CRUSHED BASE GRAVEL
STA 533+200 TO 533+300
PI 533+
N 63
E 45
IMPORT 45m³ CRUSHED BASE GRAVEL
STA 533+365 TO 533+500
BEGIN BARRIER TAPER
STA 533+420.894 L OS 5.600m
END BARRIER TAPER
STA 533+459.359 L OS 8.106m
END SHOULDER TAPER
STA 533+417.894 L OS 5.200m
CS 533+365.345
Ls 50.000
Θs 5° 24' 19"
ST 533+415.345
304° 00' 47"
533+400
533+500
TS 533+478.100
Ls 50.000
Θs 5° 50' 47"
SC 533+528.100
MATCH LINE STATION 533+560 (SHEET C1222)
BEGIN SHOULDER TAPER
STA 533+365.345 R OS 5.200m
BEGIN BARRIER TAPER
STA 533+379.119 R OS 8.373m
END BARRIER TAPER
STA 533+417.345 R OS 5.600m
MATCH LINE STATION 532+900 (SHEET C1220)
NORTHBOUND
SOUTHBOUND
X.XX% | X.XX%
XXX.XXX+XXX





NOTE:
REFER TO FINISHED GRADING TABLE STA 520+000 - STA 555+000
FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
S. G. LI
22760
2021 MAY 12

0 50
Horiz. Scale: 1: 1000 (metres)
0 5
Vert. Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE
STA. 534+220 TO STA. 534+880

Project No./No. du projet	Sheet/Feuille	Revision no./ Le Révision no.
R.116050.001	C1223 OF	1

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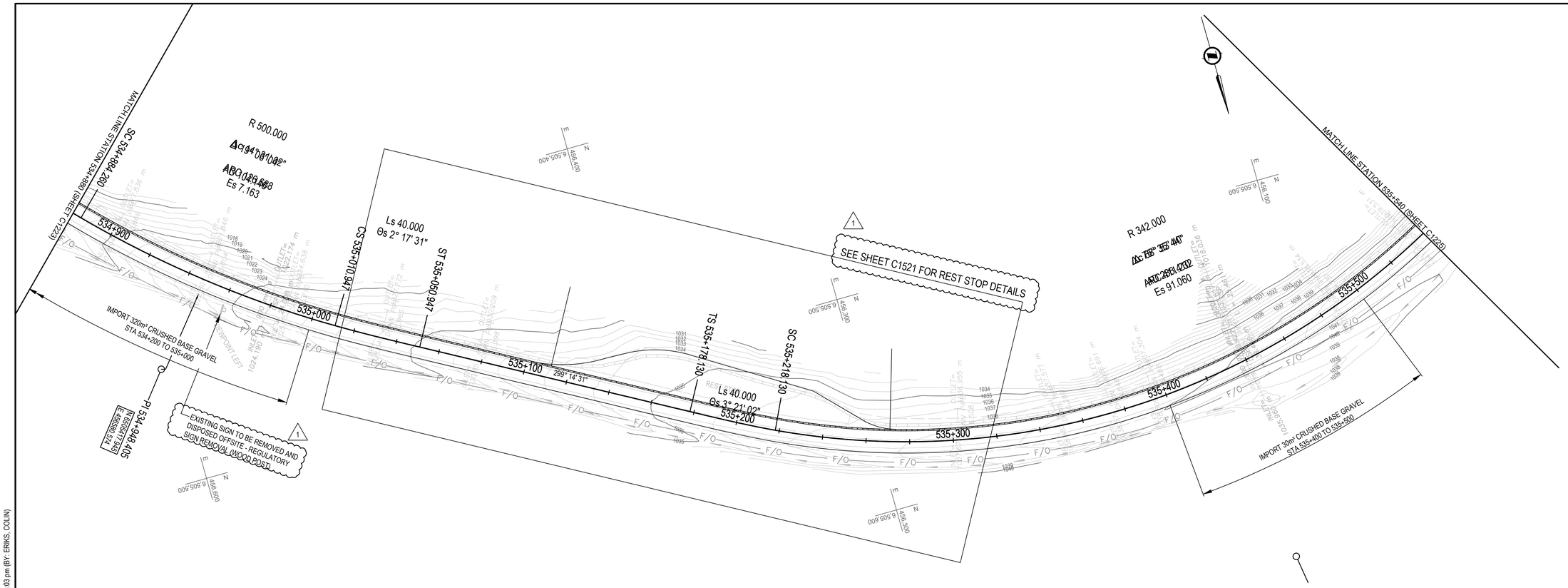
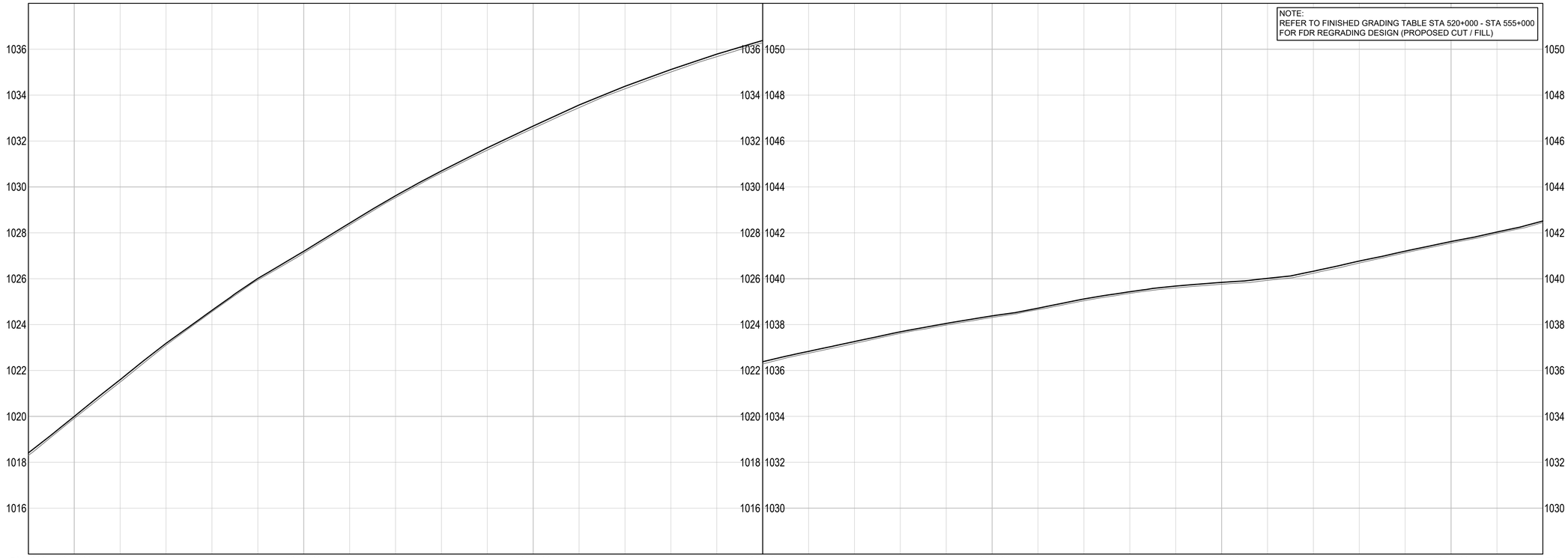
PWGSC – A1 – 841x594





Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX.XXX

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
S. G. LI
22760
SIGNATURE
2021

0 50
Horiz. Scale: 1: 1000 (metres)
0 5
Vert. Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

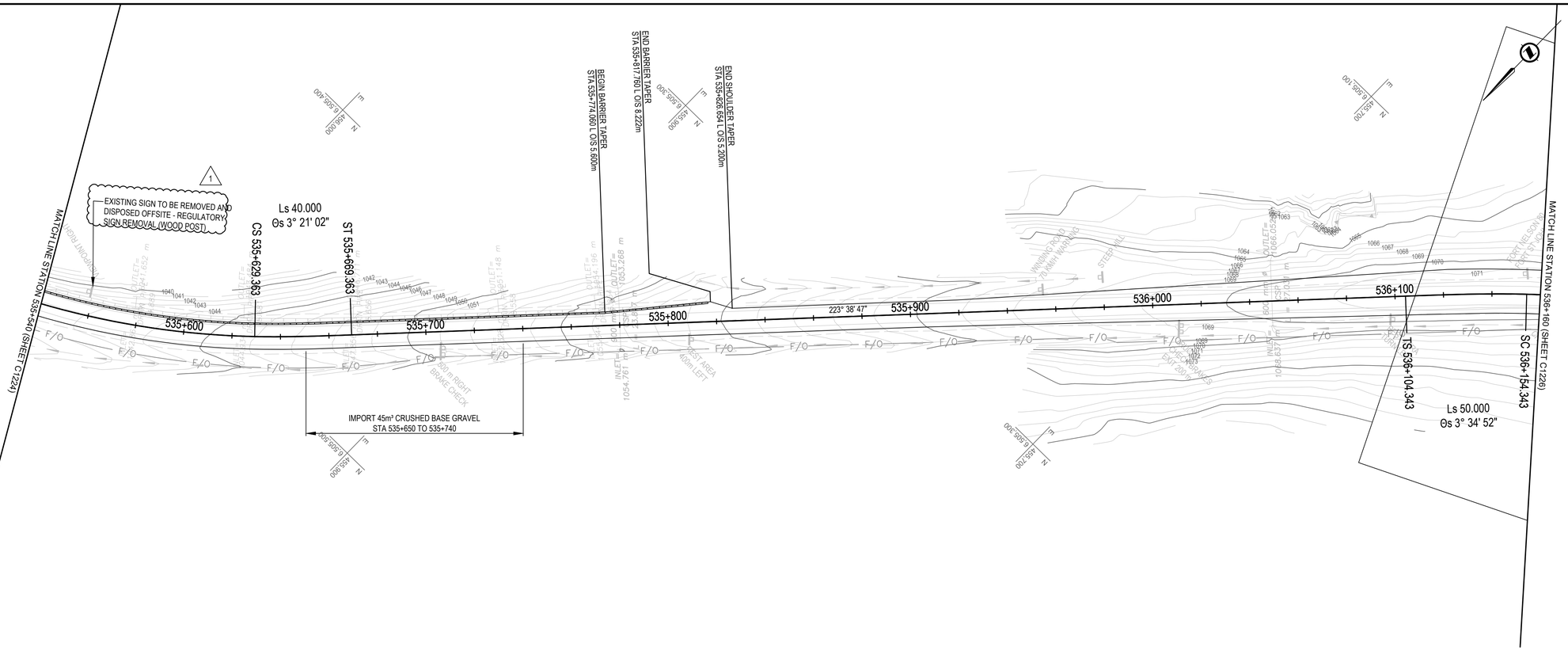
Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

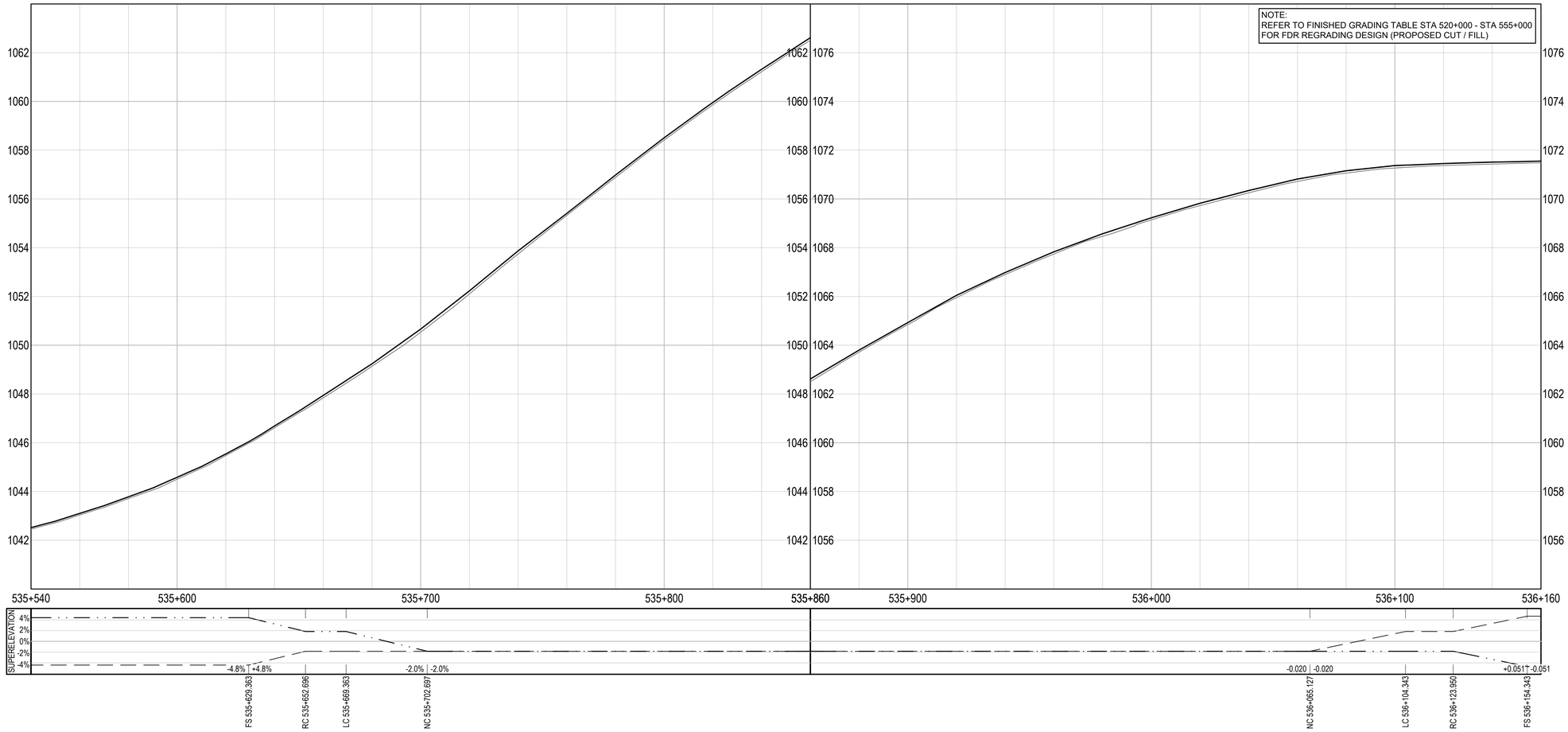
Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
PLAN / PROFILE STA. 534+880 TO STA. 535+540

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1224 OF	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1221-1230 PLAN PROFILES.dwg [C1224] May 11, 2021 - 6:56:03 pm (BY: ERIKS, COLIN)





Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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(PROFILE / SUPERELEVATION)

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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

PROFESSIONAL ENGINEER PROV. OF B.C. S. LI # 22760 — May 11, 2021

Horiz. Scale: 1: 1000 (metres) (0, 50)
Vert. Scale: 1: 100 (metres) (0, 5)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
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Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

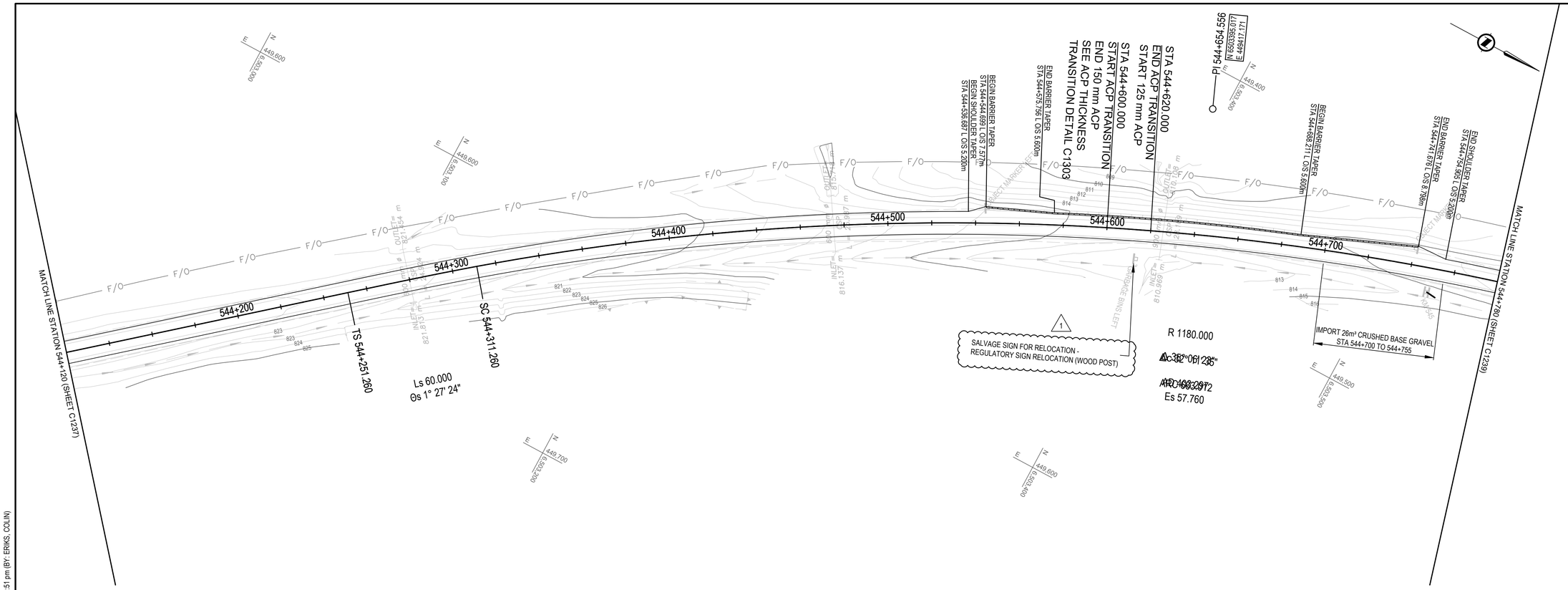
Drawing title/Titre du dessin
PLAN / PROFILE STA. 535+540 TO STA. 536+160

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1225 OF	1

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1221-1230 PLAN PROFILES.dwg [C1225] May 11, 2021 - 6:56:25 pm (BY: ERIKS, COLIN)



NOTE:
REFER TO FINISHED GRADING TABLE STA 520+000 - STA 555+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

PROFESSIONAL ENGINEER
PROV. OF BRITISH COLUMBIA
S. LI
22760
2021 MAY 12

Horiz. Scale: 1: 1000 (metres) (0, 50)
Vert. Scale: 1: 100 (metres) (0, 5)

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Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

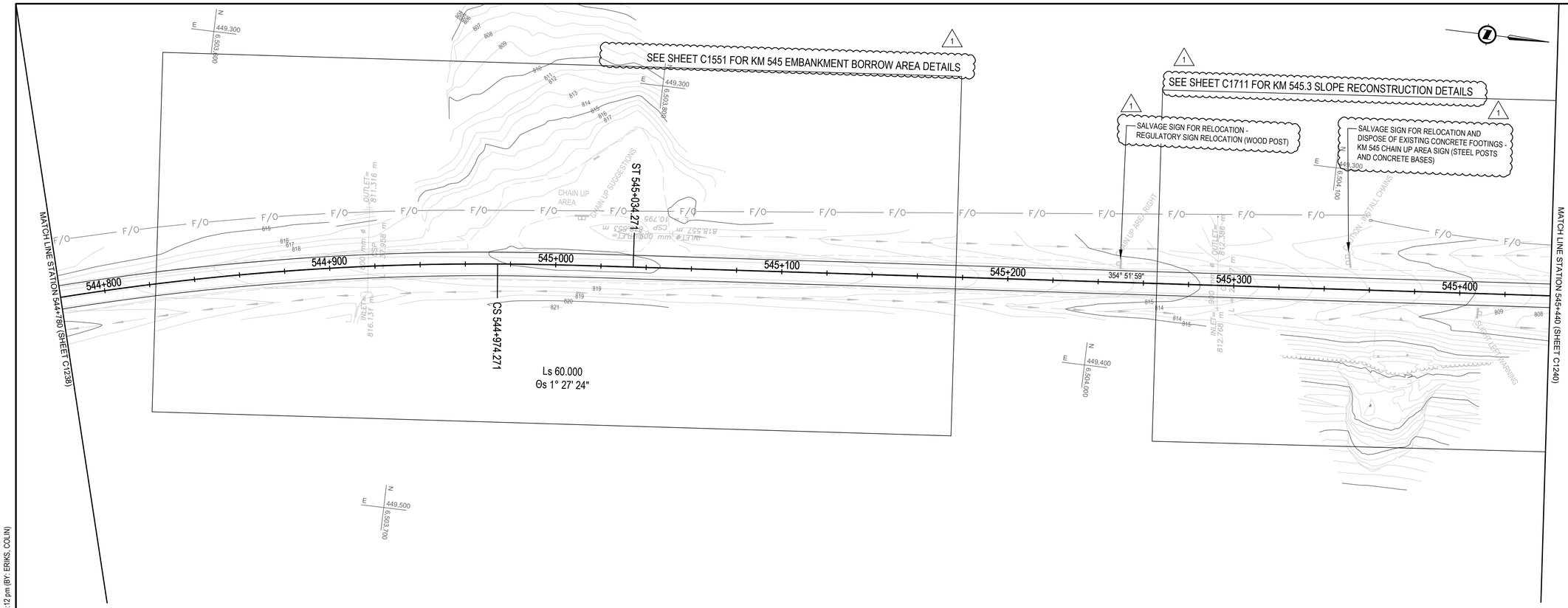
Drawing title/Titre du dessin
PLAN / PROFILE STA. 544+120 TO STA. 544+780

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1238 OF	1

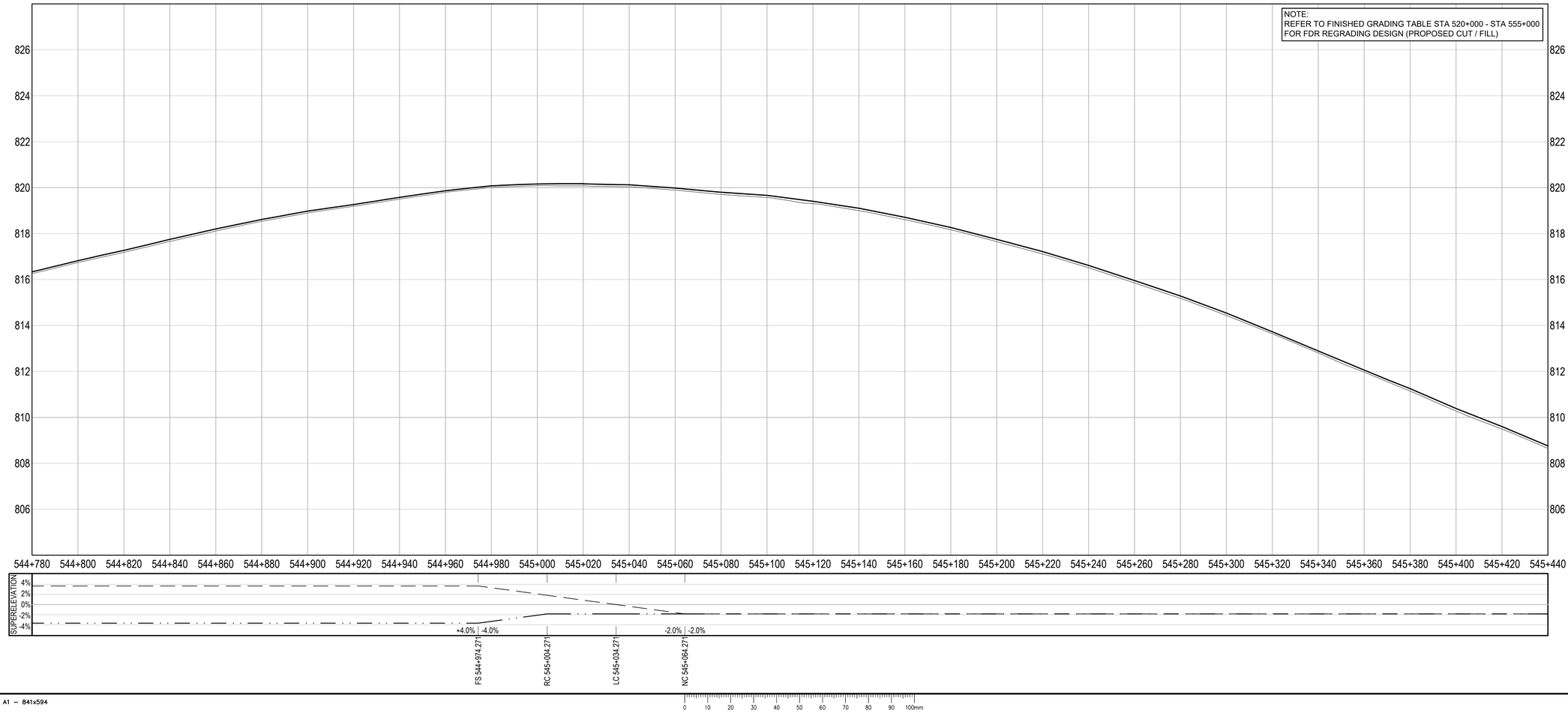
PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

Q:\Vancouver\Transportation\TRN\.VHWY\Projects\TRN\.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1231-1240 PLAN PROFILES.dwg [C1238] May 11, 2021 - 7:52:51 pm (BY: ERIKS, COLIN)



NOTE:
REFER TO FINISHED GRADING TABLE STA 520+000 - STA 555+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)



LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX.XX+XXX

Horiz. Scale: 1: 1000 (metres)
Vert. Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 544+780 TO STA. 545+440

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1239 OF	1

Public Services and Procurement Canada / Services publics et Approvisionnement Canada
REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

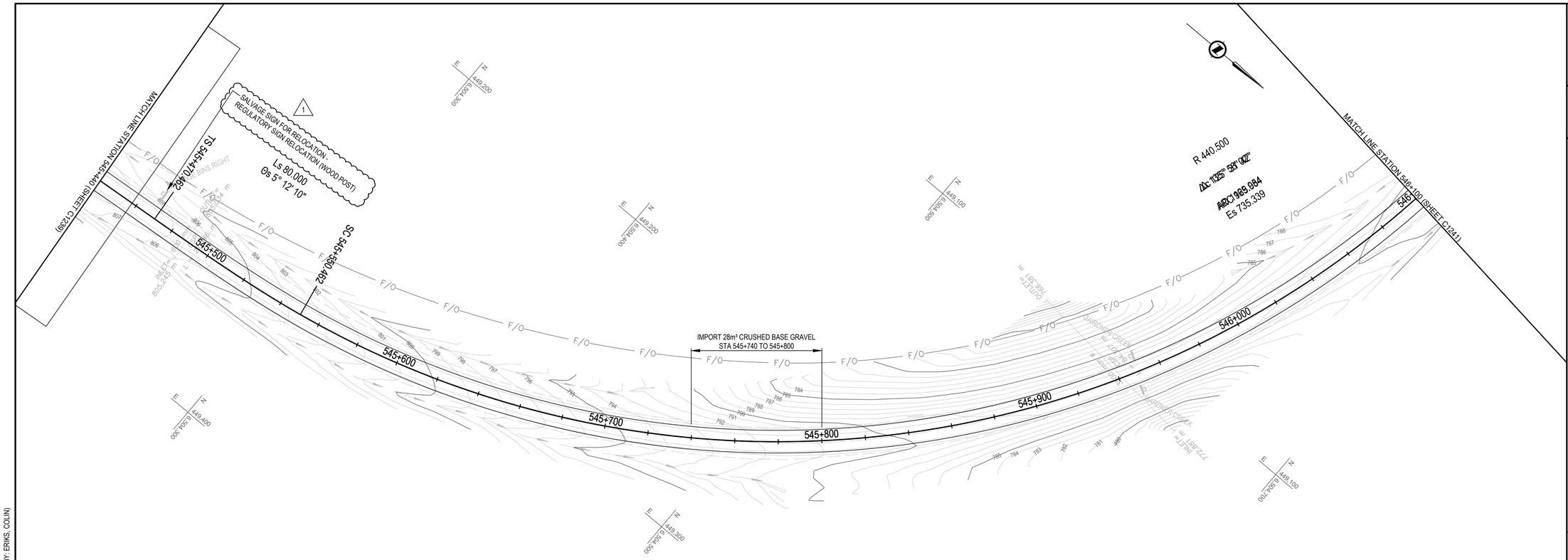
ISSUED FOR AMENDMENT 001

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

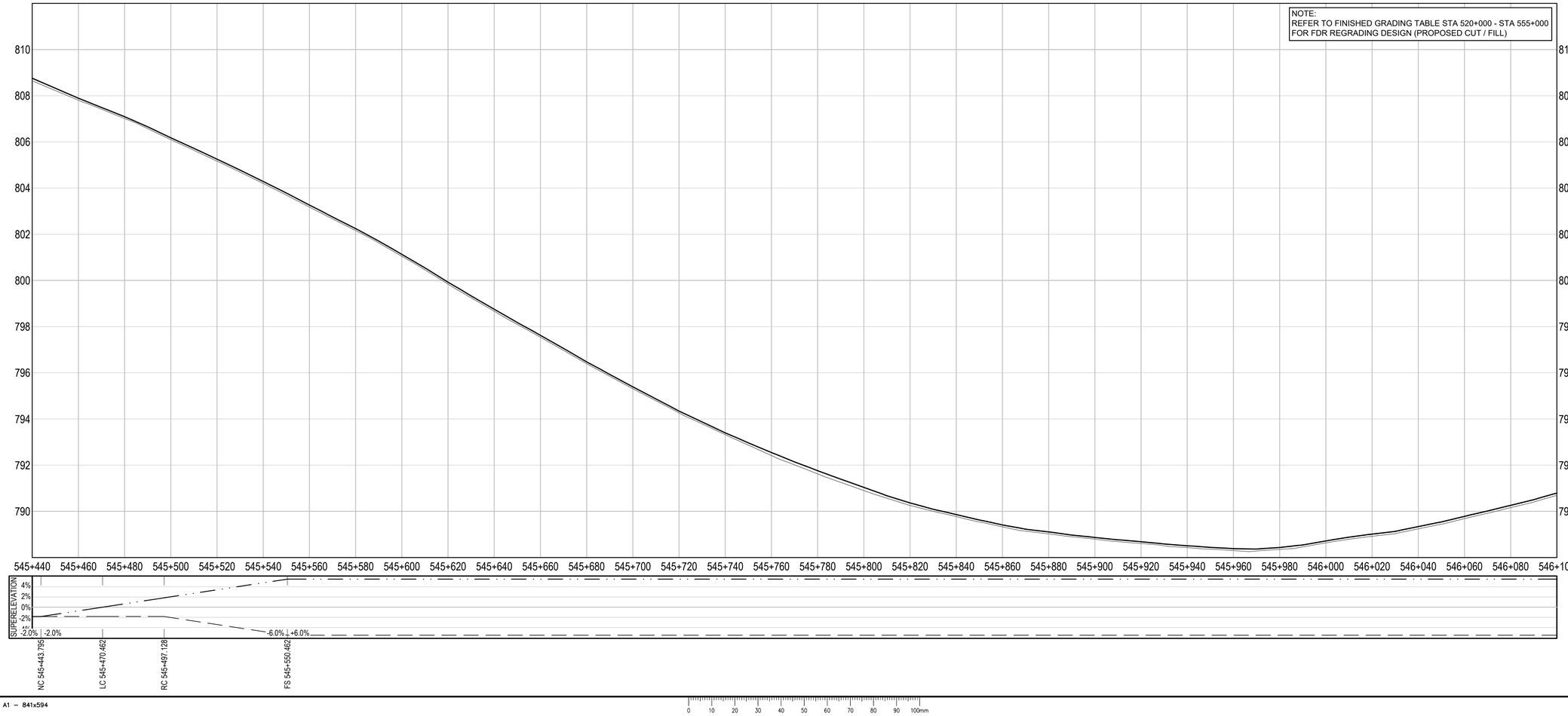
PROFESSIONAL ENGINEER PROV. OF B.C. S. LI # 22760 BRITISH COLUMBIA

Q:\Vancouver\Transportation\TRN\VHWYProjects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1231-1240 PLAN PROFILES.dwg [C1239] May 11, 2021 - 7:53:12 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594



NOTE:
REFER TO FINISHED GRADING TABLE STA 520+000 - STA 555+000 FOR FDR REGRADING DESIGN (PROPOSED CUT / FILL)



PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1231-1240 PLAN PROFILES.dwg [C1240] May 11, 2021 - 7:53:35 pm (BY: ERIKS, COLIN)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX.XXX

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. G. LI
22760
BRITISH COLUMBIA
ENGINEER

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

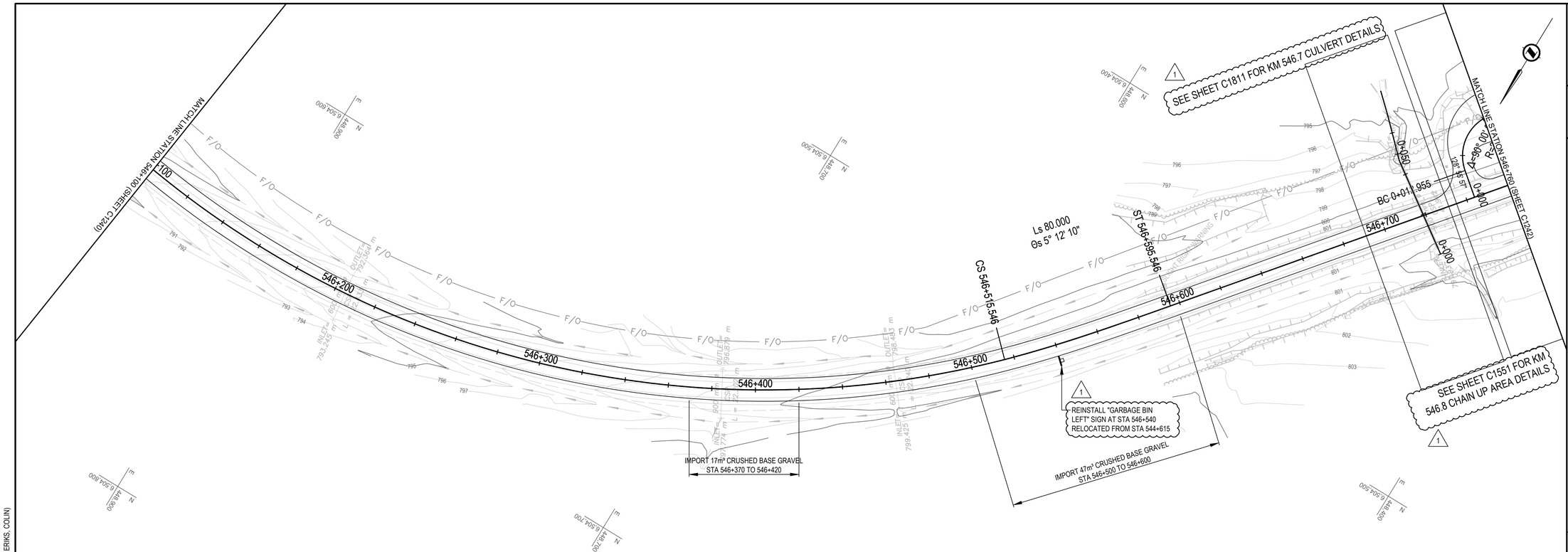
PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

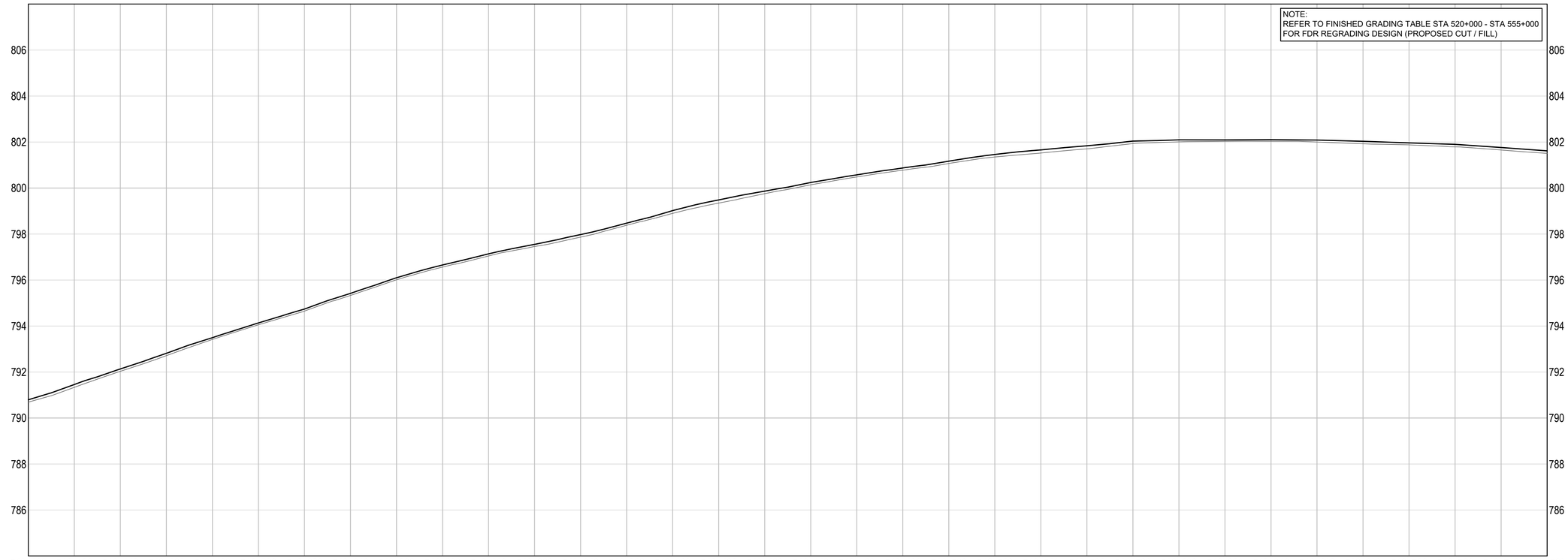
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 545+440 TO STA. 546+100

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1240 OF	1





0 10 20 30 40 50 60 70 80 90 100mm

PWGSC – A1 – 841x594

Q:\Vancouver\Transportation\TRN\.VHWYProjects\TRN\.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1241-1250 PLAN PROFILES.dwg [C1241] May 11, 2021 - 8:07:59 pm (BY: ERIKS, COLIN)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX.XXX

PROFESSIONAL ENGINEER PROV. OF B.C. S. LI # 22760 SIGNATURE

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

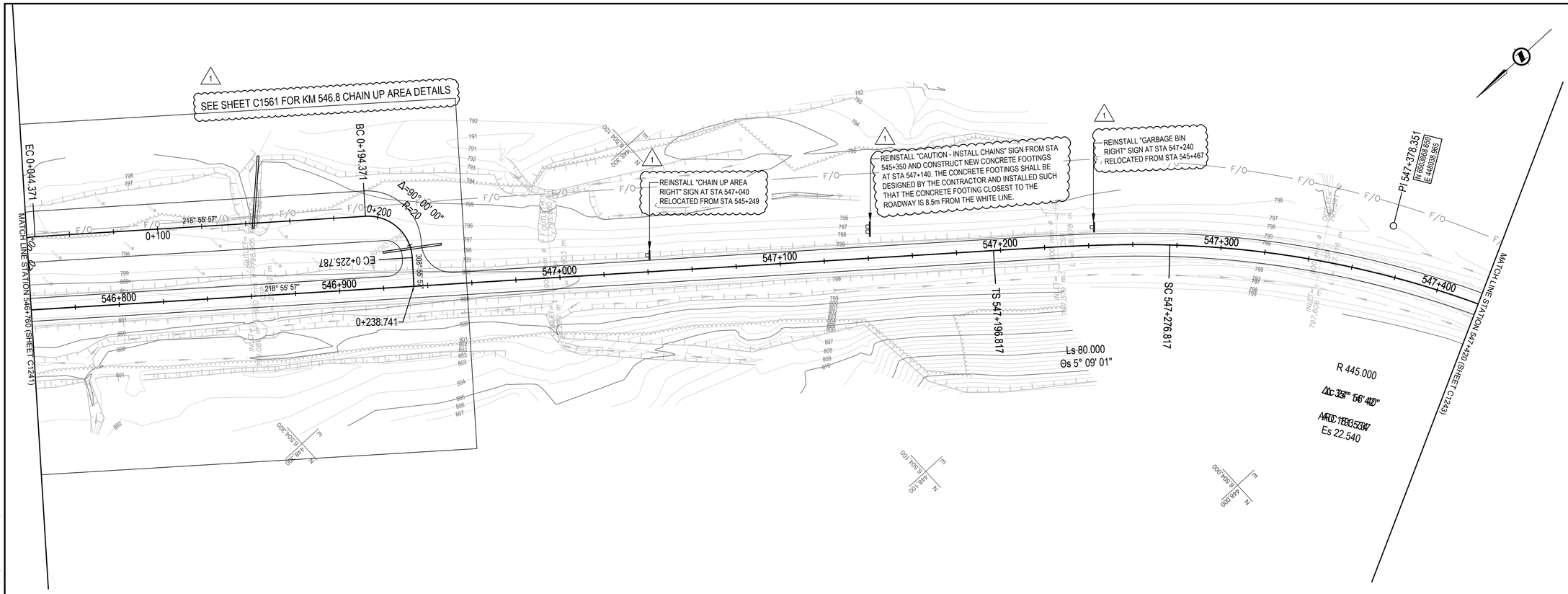
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

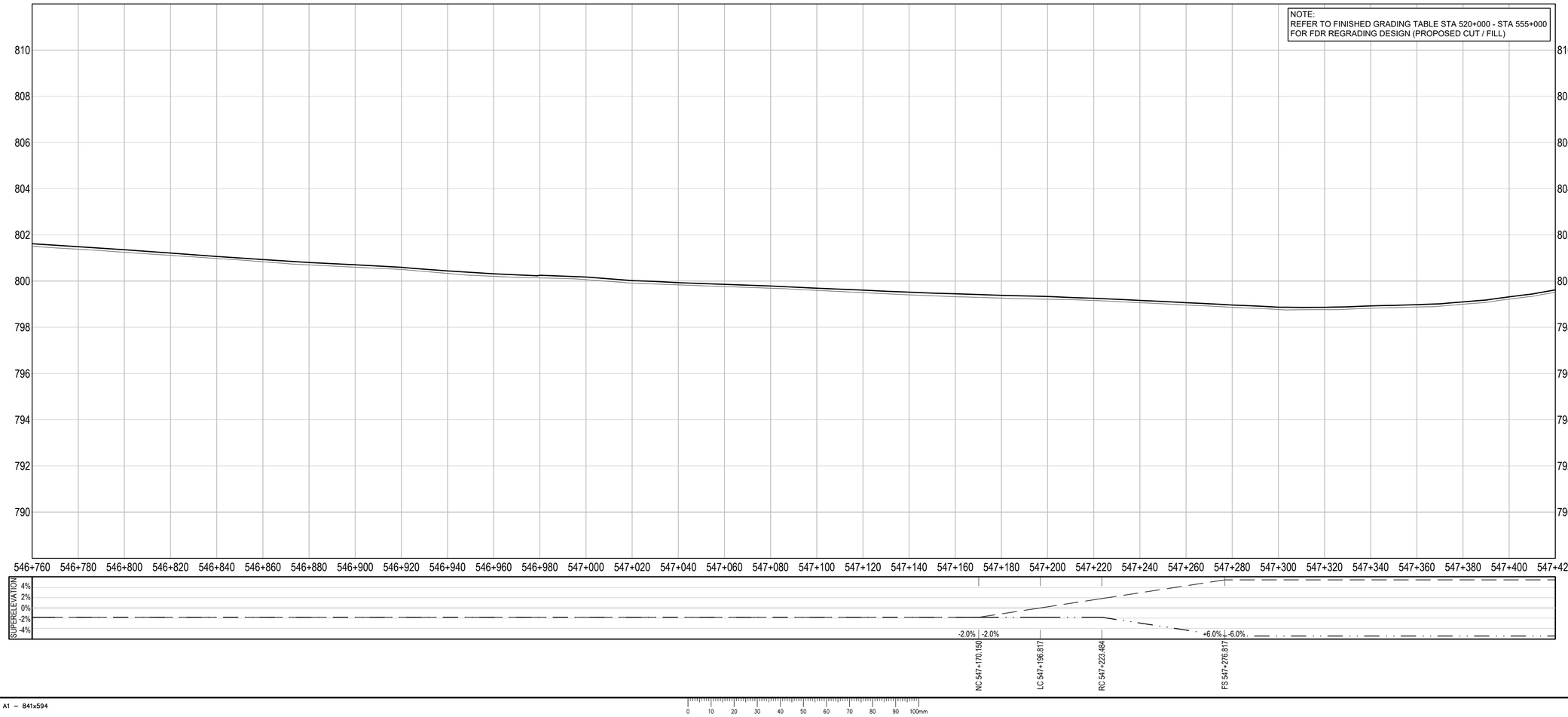
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

PLAN / PROFILE STA. 546+100 TO STA. 546+760

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1241 OF	1





Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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LEGEND
(PROFILE / SUPERELEVATION)

NC = NORMAL CROWN
LC = LEVEL CROWN
RC = REVERSE CROWN
FS = FULL SUPERELEVATION

SOUTHBOUND | NORTHBOUND
X.XX% | X.XX%
XXX+XXX+XXX

PROFESSIONAL ENGINEER PROV. OF B.C. S. LI # 22760 REGISTERED

Horiz. Scale: 1: 1000 (metres) 0 50
Vert. Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

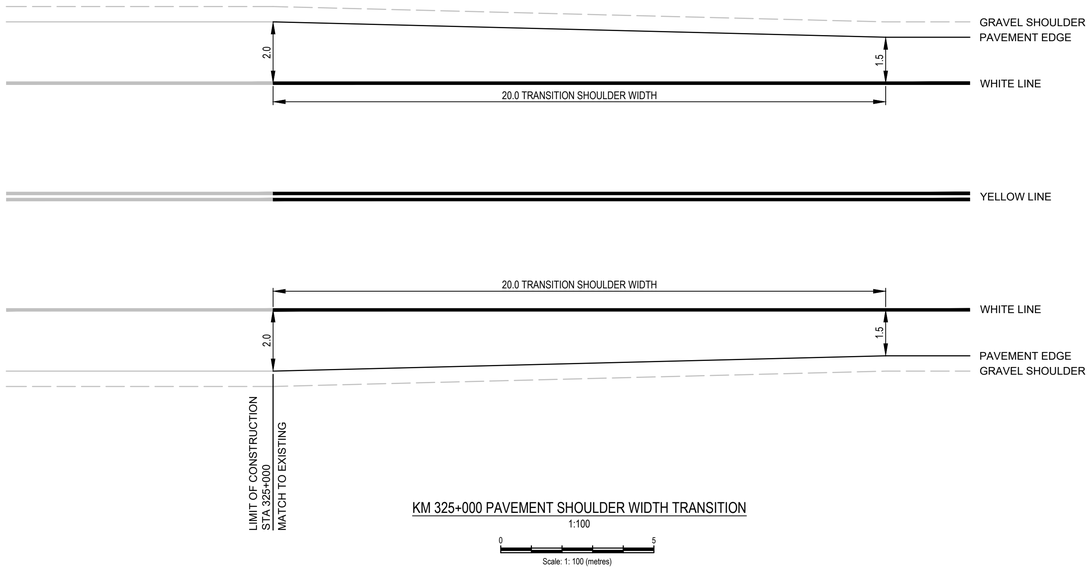
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PLAN / PROFILE STA. 546+760 TO STA. 547+420

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1242 OF	1

Q:\Vancouver\Transportation\TRN\.VHWY\Projects\TRN\.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1241-1250 PLAN PROFILES.dwg [C1242] May 11, 2021 - 8:08:22 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

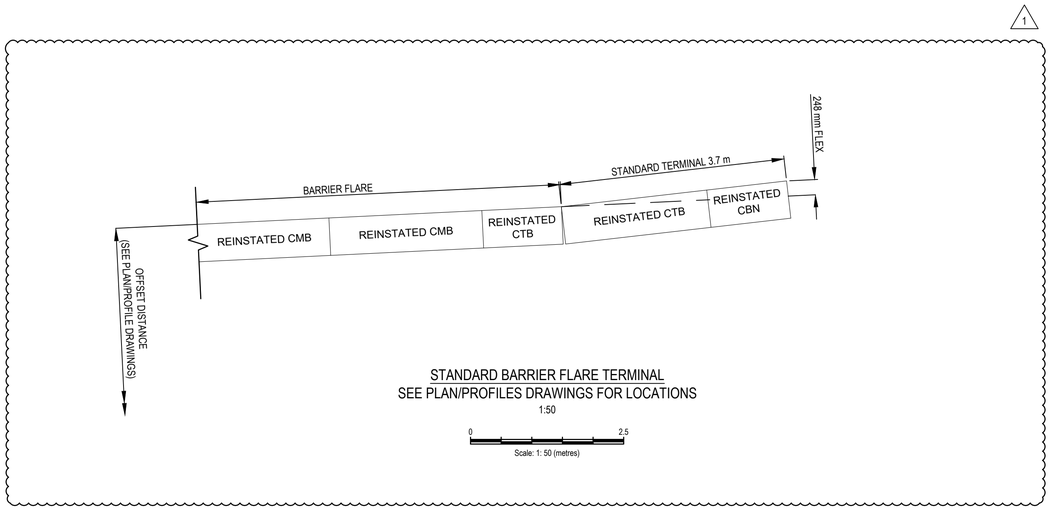


KM 325+000 PAVEMENT SHOULDER WIDTH TRANSITION

1:100

0 5

Scale: 1: 100 (metres)



STANDARD BARRIER FLARE TERMINAL
SEE PLAN/PROFILES DRAWINGS FOR LOCATIONS

1:50

0 2.5

Scale: 1: 50 (metres)

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780
REGISTERED
2021 MAY 11

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

TYPICAL SECTIONS - KM 325 PAVEMENT SHOULDER WIDTH TRANSITION & STANDARD BARRIER FLARE TERMINAL

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1302	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1301-C1307 TYPICAL ROADWAY SECTIONS & DETAILS.dwg [C1302] May 11, 2021 - 1:22:56 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

CENTERLINE LINE PAINTINGS - KM 325 - 355

START STATION	END STATION	LENGTH	LINETYPE	COLOUR	COMMENT
325+000	326+440	1,440	BROKEN	YELLOW	MATCH AT START OF PROJECT
326+440	327+000	560	BROKEN LT / SOLID RT	YELLOW	
327+000	327+220	220	DOUBLE SOLID	YELLOW	
327+220	327+480	260	SOLID LT / BROKEN RT	YELLOW	
327+480	328+220	740	BROKEN	YELLOW	
328+220	328+640	420	BROKEN LT / SOLID RT	YELLOW	
328+640	328+660	20	DOUBLE SOLID	YELLOW	
328+660	329+060	400	SOLID LT / BROKEN RT	YELLOW	
329+060	331+600	2,540	BROKEN	YELLOW	
331+600	332+080	480	BROKEN LT / SOLID RT	YELLOW	
332+080	333+720	1,640	DOUBLE SOLID	YELLOW	
333+720	334+140	420	SOLID LT / BROKEN RT	YELLOW	
334+140	334+840	700	BROKEN	YELLOW	
334+840	335+240	400	BROKEN LT / SOLID RT	YELLOW	
335+240	335+420	180	BROKEN	YELLOW	
335+420	335+700	280	SOLID LT / BROKEN RT	YELLOW	
335+700	336+280	580	DOUBLE SOLID	YELLOW	
336+280	336+660	380	SOLID LT / BROKEN RT	YELLOW	
336+660	336+720	60	BROKEN	YELLOW	
336+720	337+160	440	BROKEN LT / SOLID RT	YELLOW	
337+160	337+300	140	DOUBLE SOLID	YELLOW	
337+300	337+720	420	SOLID LT / BROKEN RT	YELLOW	
337+720	338+300	580	BROKEN	YELLOW	
338+300	338+720	420	BROKEN LT / SOLID RT	YELLOW	
338+720	339+660	940	DOUBLE SOLID	YELLOW	
339+660	339+900	240	SOLID LT / BROKEN RT	YELLOW	
339+900	340+460	560	BROKEN	YELLOW	
340+460	340+860	400	BROKEN LT / SOLID RT	YELLOW	
340+860	341+100	240	BROKEN	YELLOW	
341+100	341+500	400	SOLID LT / BROKEN RT	YELLOW	
341+500	341+540	40	BROKEN	YELLOW	
341+540	341+960	420	BROKEN LT / SOLID RT	YELLOW	
341+960	342+260	300	BROKEN	YELLOW	
342+260	342+380	120	SOLID LT / BROKEN RT	YELLOW	
342+380	343+440	1,060	DOUBLE SOLID	YELLOW	
343+440	344+040	600	BROKEN LT / SOLID RT	YELLOW	
344+040	344+100	60	DOUBLE SOLID	YELLOW	
344+100	344+440	340	SOLID LT / BROKEN RT	YELLOW	
344+440	345+060	620	BROKEN	YELLOW	
345+060	345+480	420	BROKEN LT / SOLID RT	YELLOW	
345+480	347+860	2,380	DOUBLE SOLID	YELLOW	
347+860	348+420	560	SOLID LT / BROKEN RT	YELLOW	
348+420	349+440	1,020	BROKEN	YELLOW	
349+440	349+880	440	BROKEN LT / SOLID RT	YELLOW	
349+880	350+180	300	DOUBLE SOLID	YELLOW	
350+180	350+360	180	SOLID LT / BROKEN RT	YELLOW	
350+360	350+780	420	BROKEN	YELLOW	
350+780	351+200	420	SOLID LT / BROKEN RT	YELLOW	
351+200	354+320	3,120	BROKEN	YELLOW	
354+320	354+720	400	SOLID LT / BROKEN RT	YELLOW	
354+720	355+000	280	BROKEN	YELLOW	MATCH AT END OF PROJECT

CENTERLINE LINE PAINTINGS - KM 520 - 555

START STATION	END STATION	LENGTH	LINETYPE	COLOUR	COMMENT
520+010	520+340	340	SOLID LT / BROKEN RT	YELLOW	MATCH AT START OF PROJECT
520+340	520+680	340	DOUBLE SOLID	YELLOW	
520+680	520+780	100	BROKEN LT / SOLID RT	YELLOW	
520+780	521+000	220	BROKEN	YELLOW	
521+000	521+400	400	SOLID LT / BROKEN RT	YELLOW	
521+400	521+660	260	BROKEN	YELLOW	
521+660	522+040	380	BROKEN LT / SOLID RT	YELLOW	
522+040	522+300	260	BROKEN	YELLOW	
522+300	522+340	40	BROKEN LT / SOLID RT	YELLOW	
522+340	522+700	360	DOUBLE SOLID	YELLOW	
522+700	522+960	260	BROKEN LT / SOLID RT	YELLOW	
522+960	523+420	460	DOUBLE SOLID	YELLOW	
523+420	524+080	660	SOLID LT / BROKEN RT	YELLOW	
524+080	524+360	280	BROKEN	YELLOW	
524+360	524+580	220	BROKEN LT / SOLID RT	YELLOW	
524+580	524+980	400	BROKEN	YELLOW	
524+980	525+180	200	DOUBLE SOLID	YELLOW	
525+180	525+320	140	BROKEN LT / SOLID RT	YELLOW	
525+320	525+540	220	BROKEN	YELLOW	
525+540	525+980	440	SOLID LT / BROKEN RT	YELLOW	
525+980	526+020	40	BROKEN	YELLOW	
526+020	526+360	340	BROKEN LT / SOLID RT	YELLOW	
526+360	527+600	1,240	DOUBLE SOLID	YELLOW	
527+600	528+140	540	SOLID LT / BROKEN RT	YELLOW	
528+140	528+200	60	BROKEN	YELLOW	
528+200	528+480	280	BROKEN LT / SOLID RT	YELLOW	
528+480	528+680	200	BROKEN	YELLOW	
528+680	528+920	240	SOLID LT / BROKEN RT	YELLOW	
528+920	529+080	160	BROKEN	YELLOW	
529+080	529+320	240	SOLID LT / BROKEN RT	YELLOW	
529+320	529+540	220	DOUBLE SOLID	YELLOW	
529+540	529+940	400	SOLID LT / BROKEN RT	YELLOW	
529+940	530+240	300	BROKEN	YELLOW	
530+240	530+620	380	BROKEN LT / SOLID RT	YELLOW	
530+620	537+220	6,600	DOUBLE SOLID	YELLOW	
537+220	537+400	180	SOLID LT / BROKEN RT	YELLOW	
537+400	537+640	240	DOUBLE SOLID	YELLOW	
537+640	537+980	340	BROKEN LT / SOLID RT	YELLOW	
537+980	541+400	3,420	DOUBLE SOLID	YELLOW	
541+400	541+680	280	SOLID LT / BROKEN RT	YELLOW	
541+680	541+860	180	DOUBLE SOLID	YELLOW	
541+860	542+440	580	BROKEN LT / SOLID RT	YELLOW	
542+440	547+180	4,740	DOUBLE SOLID	YELLOW	
547+180	547+640	460	BROKEN LT / SOLID RT	YELLOW	
547+640	549+320	1,680	DOUBLE SOLID	YELLOW	
549+320	549+420	100	SOLID LT / BROKEN RT	YELLOW	
549+420	550+920	1,500	BROKEN	YELLOW	
550+920	551+560	640	BROKEN LT / SOLID RT	YELLOW	
551+560	552+380	820	DOUBLE SOLID	YELLOW	
552+380	552+760	380	BROKEN LT / SOLID RT	YELLOW	
552+760	553+140	380	DOUBLE SOLID	YELLOW	
553+140	553+920	780	SOLID LT / BROKEN RT	YELLOW	
553+920	554+640	720	BROKEN	YELLOW	
554+640	554+680	40	BROKEN LT / SOLID RT	YELLOW	MATCH AT END OF PROJECT

SHOULDER (WHITE) LINE PAINTING

START STATION	END STATION	LENGTH	LINETYPE	COLOUR	COMMENT
325+000	355+000	60,000	SOLID	WHITE	LEFT AND RIGHT WHITE LINE TO MATCH TO EXISTING WHITE LINES AT START & END OF PROJECT
520+010	554+680	69,340	SOLID	WHITE	

LINE TYPE	PATTERN	USE
SOLID	℄	WHITE EDGE LINES
DOUBLE SOLID	℄	YELLOW DIRECTIONAL DIVIDING LINES
SIMULTANEOUS SOLID AND BROKEN	℄ 5.0 3.0 3.0	YELLOW DIRECTIONAL DIVIDING LINES PROHIBITING PASSING FROM LANE BOUNDED BY SOLID LINE
BROKEN	℄ 5.0 3.0 3.0	YELLOW DIRECTIONAL DIVIDING LINES PERMITTING PASSING

TYPICAL LONGITUDINAL PAVEMENT MARKINGS
NTS

NOTES:
1. ALL PAINT LINES TO BE 110 mm WIDE
2. WIDTH BETWEEN YELLOW DIRECTIONAL DIVIDING LINES SHALL BE 110 mm
3. PAVEMENT MARKINGS TO BE INSTALLED PER LOCATIONS SHOWN ON TABLE. BREAKS IN PAINT LINES AT INTERSECTIONS SHALL BE AS PER TYPICAL ACCESS ROAD PAVEMENT MARKING DETAIL, C1305
4. REFER TO SHEET C1531-C1534 FOR LINE PAINTING DETAILS AT KM 536 REST STOP AND STEAMBOAT MAINTENANCE YARD INTERSECTION

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROV. OF B.C. — S. G. LI — # 22780

1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12
Revision/ Revision	Description/Description	Date/Date

Client/client
Public Services and Procurement Canada

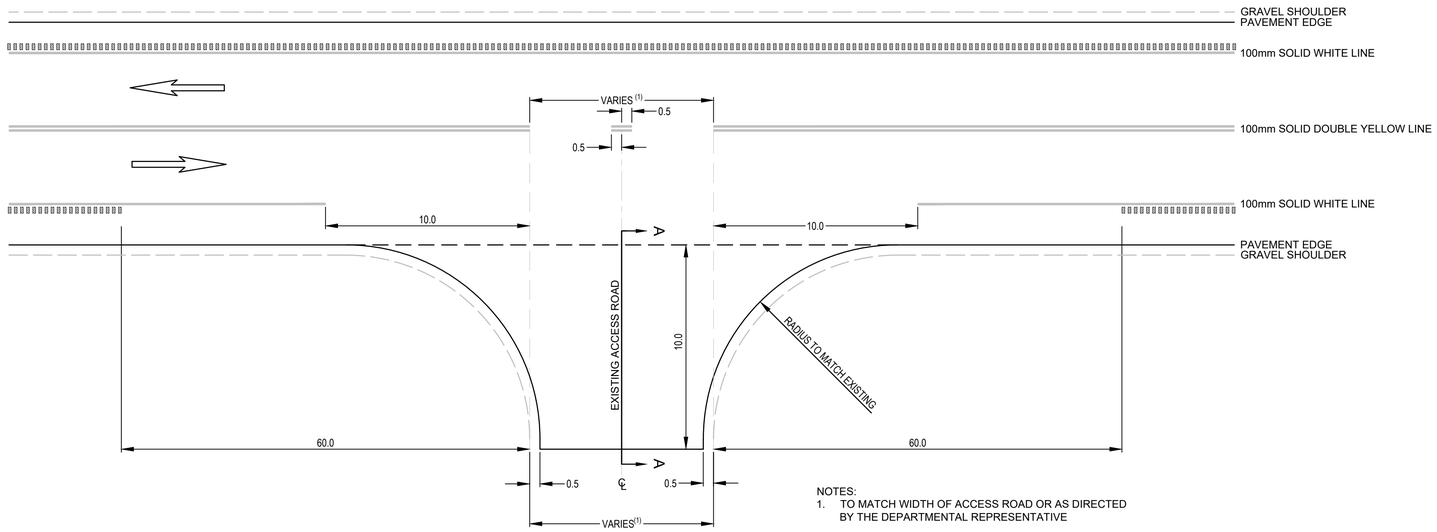
TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**
Drawing title/Titre du dessin: **PAINT MARKING DETAILS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1304	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1301-C1307 TYPICAL ROADWAY SECTIONS & DETAILS.dwg [C1304] May 11, 2021 - 1:22:56 pm (BY: ERIKS, COLIN)



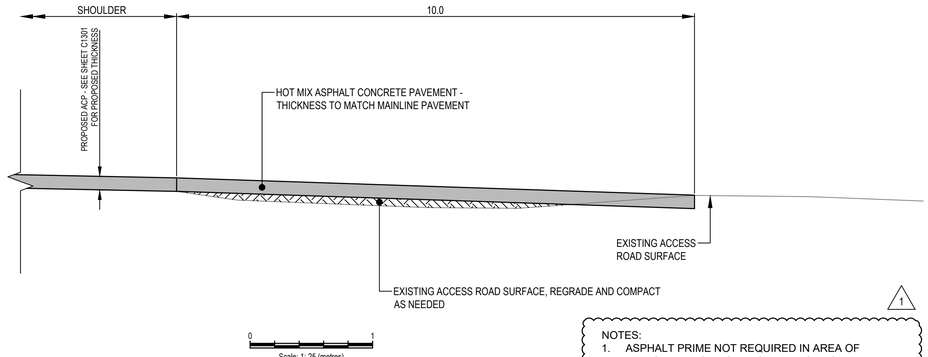
NOTES:
1. TO MATCH WIDTH OF ACCESS ROAD OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE

TYPICAL ACCESS ROAD PAVEMENT MARKING & LETDOWN DETAIL
NTS

ACCESS ROAD LOCATIONS - KM 325 - 355	
STATION	SIDE
328+260	RIGHT
332+650 (MILE 209 ROAD)	RIGHT
336+240	LEFT
338+230	LEFT
345+320	LEFT
346+860	LEFT
349+240	LEFT
351+830	RIGHT
353+560	LEFT

1

ACCESS ROAD LOCATIONS - KM 520 - 555	
STATION	SIDE
525+350	LEFT (2)
525+530	LEFT (2)
527+465	RIGHT
527+590	RIGHT
529+430	RIGHT
533+100	LEFT (2)
533+710	LEFT
546+740	LEFT (2)
546+935	LEFT (2)
548+660	RIGHT
550+860 (TETSA RIVER RD)	LEFT



SECTION A
TYPICAL ACCESS ROAD PROFILE

1

NOTES:
1. ASPHALT PRIME NOT REQUIRED IN AREA OF LETDOWN PRIOR TO PLACEMENT OF ACP
2. SECTION A PROFILE DOES NOT APPLY TO REST STOP AREAS (REFER TO REST STOP AREAS DRAWINGS FOR DETAILS)

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER
PROV. OF B.C.
22780
ALEXANDER G. LI
ENGINEER

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11
0	ISSUED FOR TENDER	21/02/12

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
ACCESS ROAD DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1305	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1301-C1307 TYPICAL ROADWAY SECTIONS & DETAILS.dwg [C1305] May 11, 2021 - 1:22:57 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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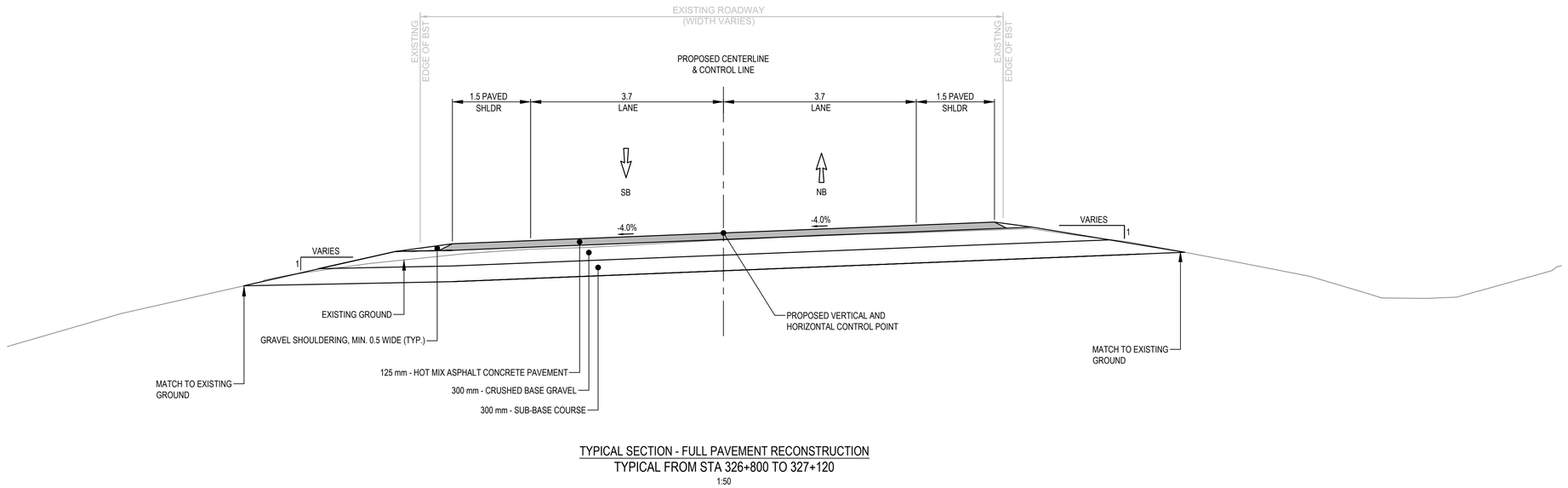

TYPICAL SECTION - FULL PAVEMENT RECONSTRUCTION
TYPICAL FROM STA 326+800 TO 327+120
1:50

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780
REGISTERED

0 2.5
Scale: 1: 50 (metres)

Revision/ Révision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

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Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
TYPICAL SECTIONS - FULL PAVEMENT RECONSTRUCTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1307	1

Q:\Vancouver\1Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1301-C1307 TYPICAL ROADWAY SECTIONS & DETAILS.dwg [C1307] May 11, 2021 - 1:22:58 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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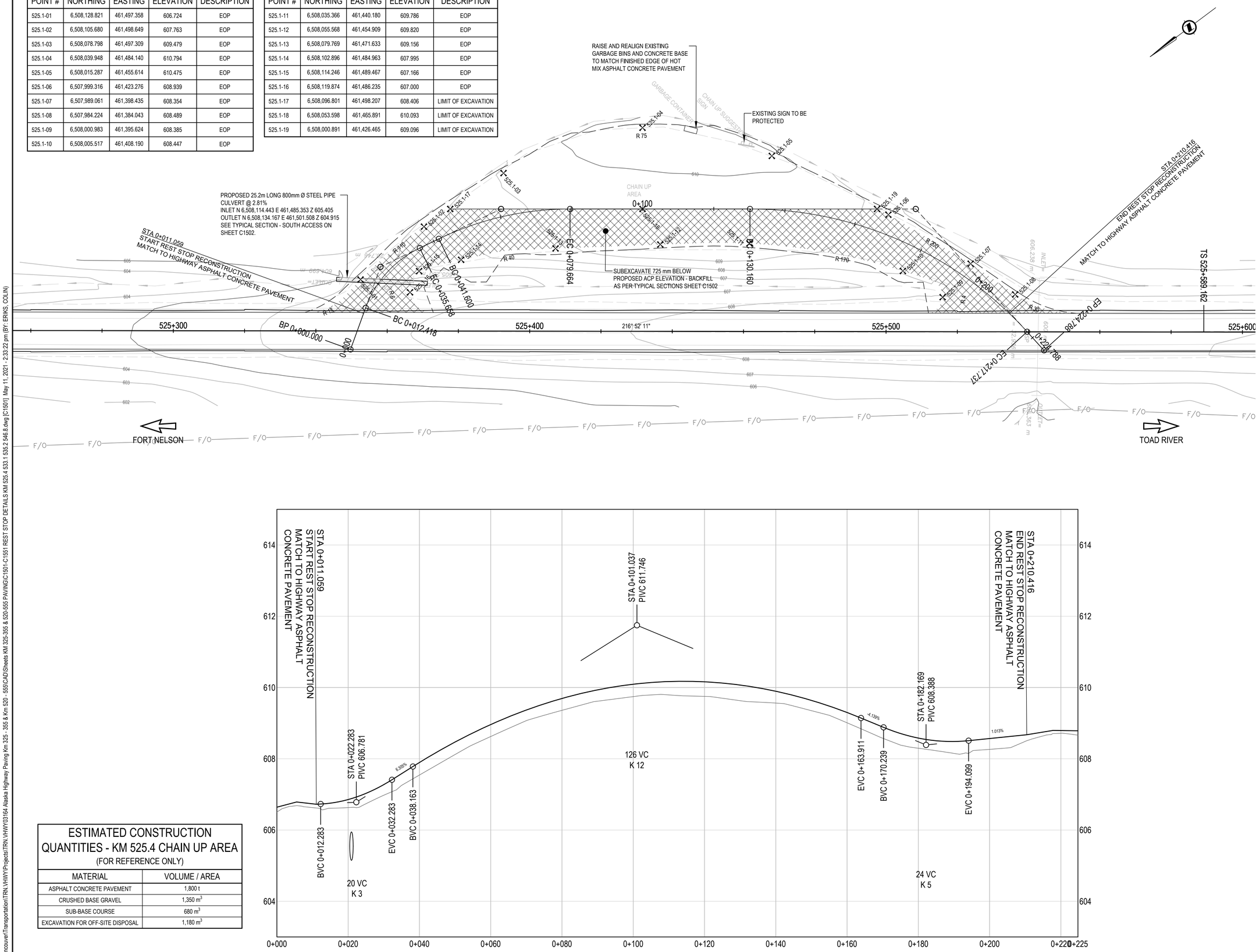
LAYOUT POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
525.1-01	6,508,128.821	461,497.358	606.724	EOP
525.1-02	6,508,105.680	461,498.649	607.763	EOP
525.1-03	6,508,078.798	461,497.309	609.479	EOP
525.1-04	6,508,039.948	461,484.140	610.794	EOP
525.1-05	6,508,015.287	461,455.614	610.475	EOP
525.1-06	6,507,999.316	461,423.276	608.939	EOP
525.1-07	6,507,989.061	461,398.435	608.354	EOP
525.1-08	6,507,984.224	461,384.043	608.489	EOP
525.1-09	6,508,000.983	461,395.624	608.385	EOP
525.1-10	6,508,005.517	461,408.190	608.447	EOP

LAYOUT POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
525.1-11	6,508,035.366	461,440.180	609.786	EOP
525.1-12	6,508,055.568	461,454.909	609.820	EOP
525.1-13	6,508,079.769	461,471.633	609.156	EOP
525.1-14	6,508,102.896	461,484.963	607.995	EOP
525.1-15	6,508,114.246	461,489.467	607.166	EOP
525.1-16	6,508,119.874	461,486.235	607.000	EOP
525.1-17	6,508,096.801	461,498.207	608.406	LIMIT OF EXCAVATION
525.1-18	6,508,053.598	461,465.891	610.093	LIMIT OF EXCAVATION
525.1-19	6,508,000.891	461,426.465	609.096	LIMIT OF EXCAVATION



ESTIMATED CONSTRUCTION QUANTITIES - KM 525.4 CHAIN UP AREA (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
ASPHALT CONCRETE PAVEMENT	1,800 t
CRUSHED BASE GRAVEL	1,350 m^3
SUB-BASE COURSE	680 m^3
EXCAVATION FOR OFF-SITE DISPOSAL	1,180 m^3

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760 — S. LI

Horiz. Scale: 1: 500 (metres) 0 25
Vert. Scale: 1: 50 (metres) 0 2.5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 525.4 CHAIN UP AREA PLAN / PROFILE

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1501	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1501] May 11, 2021 - 2:33:22 pm (BY: ERIKS, COLIN)

PWGSC — A1 — 841x594

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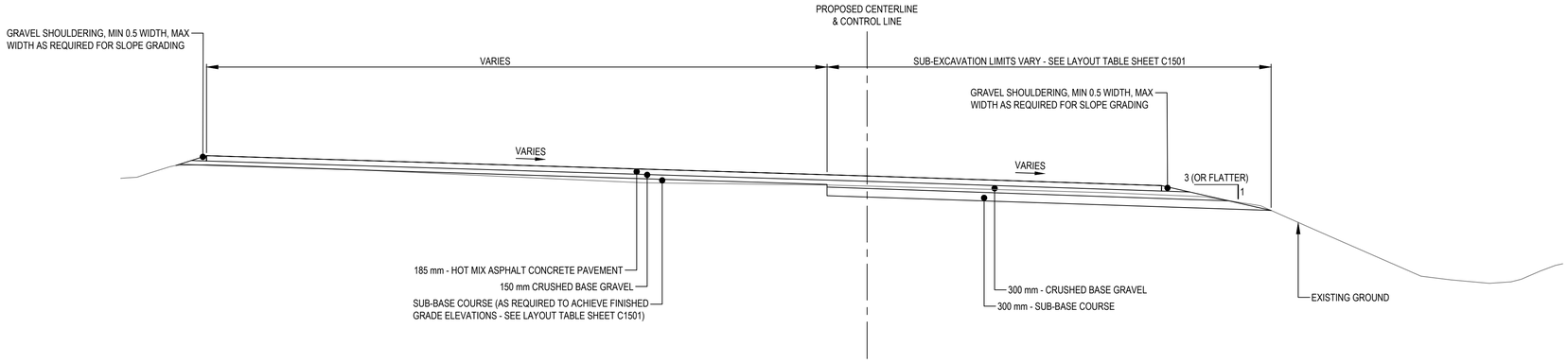
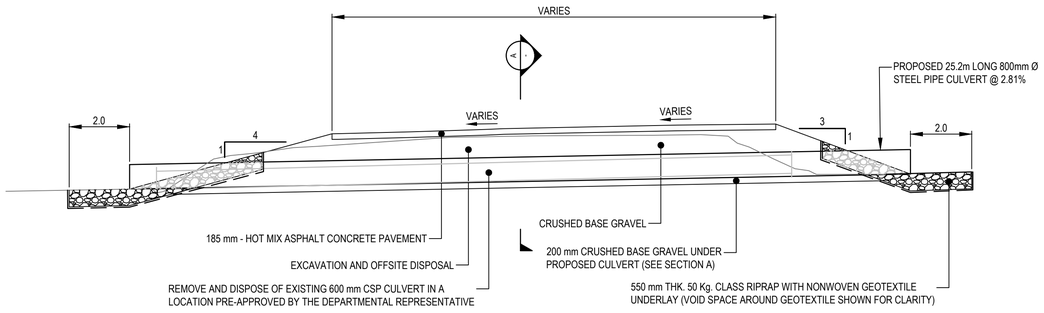
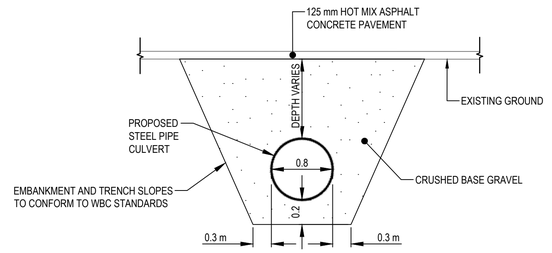


TYPICAL SECTION - KM 525 REST STOP
1:100



TYPICAL SECTION - KM 525 SOUTH ACCESS
1:100



SECTION A
SCALE N.T.S.

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHAWN G. LI
22760

0 5
Scale: 1: 100 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 525.4 CHAIN UP AREA TYPICAL SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1502	1

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PWGSC – A1 – 841x594

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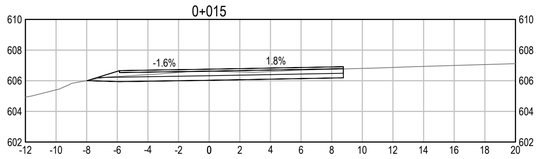

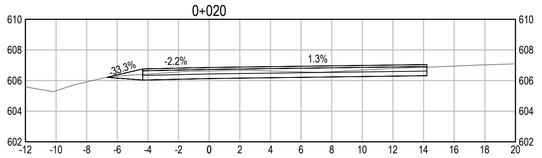

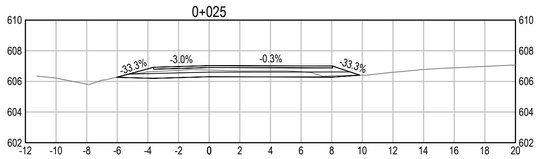

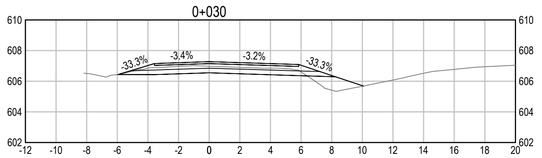

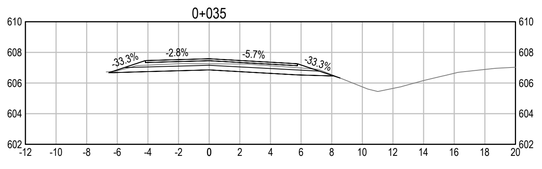

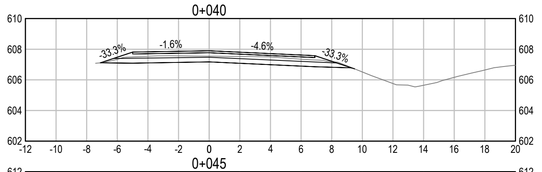

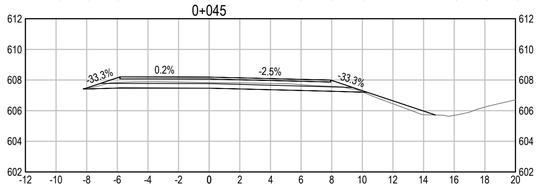

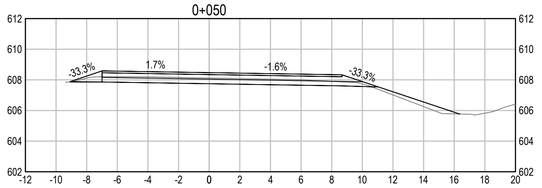

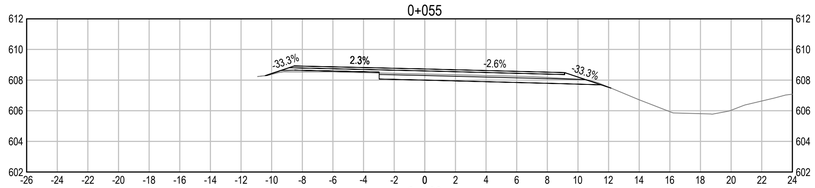

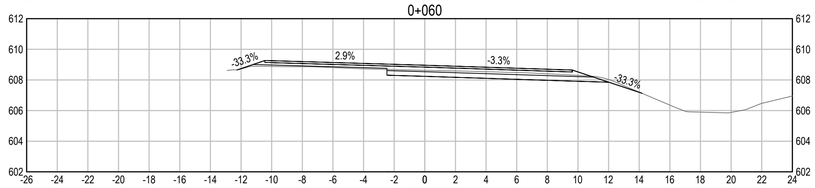

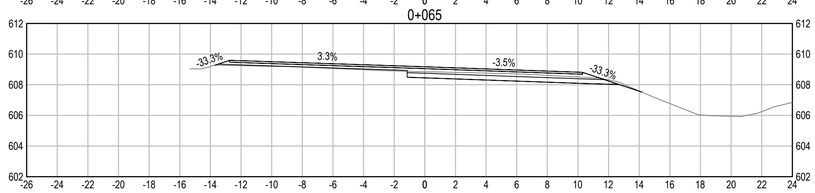

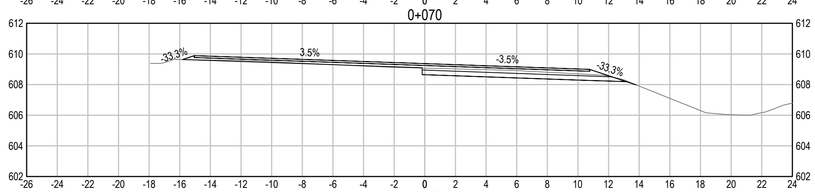

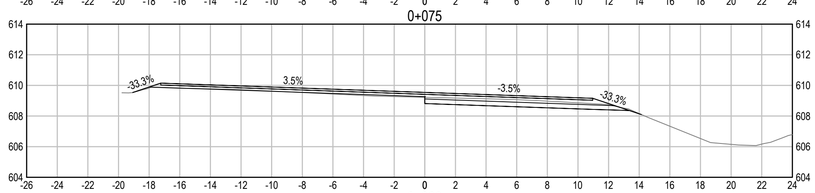

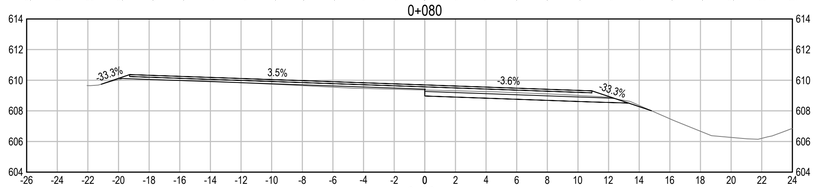

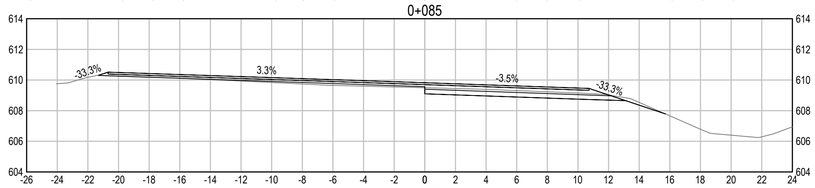

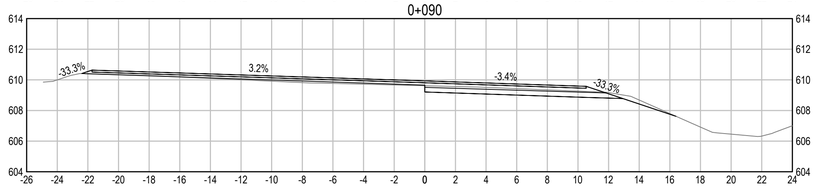

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHUANG LI — # 22760

Scale: 1: 200 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 525.4 CHAIN UP AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1503	1

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PWGSC – A1 – 841x594

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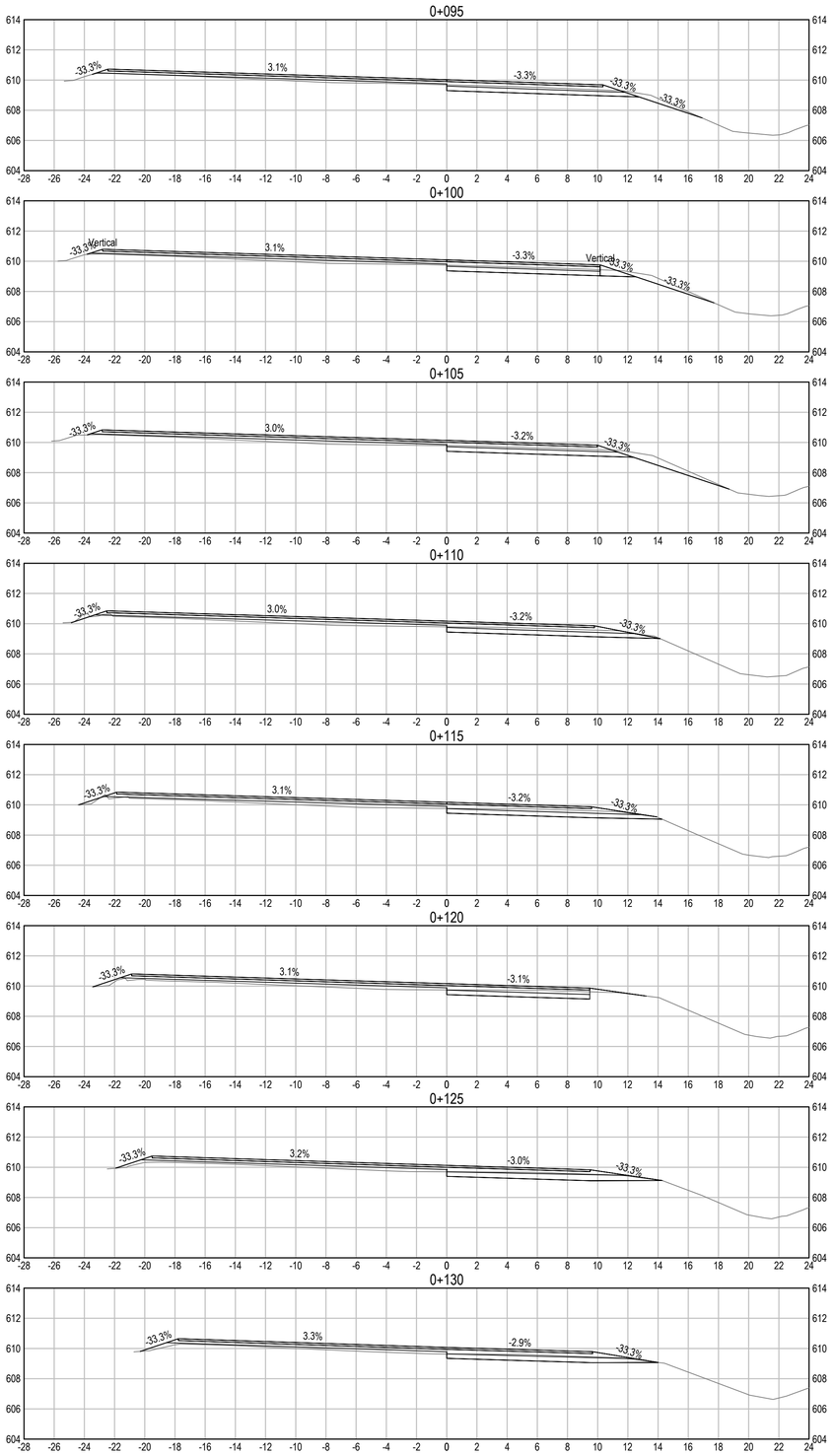

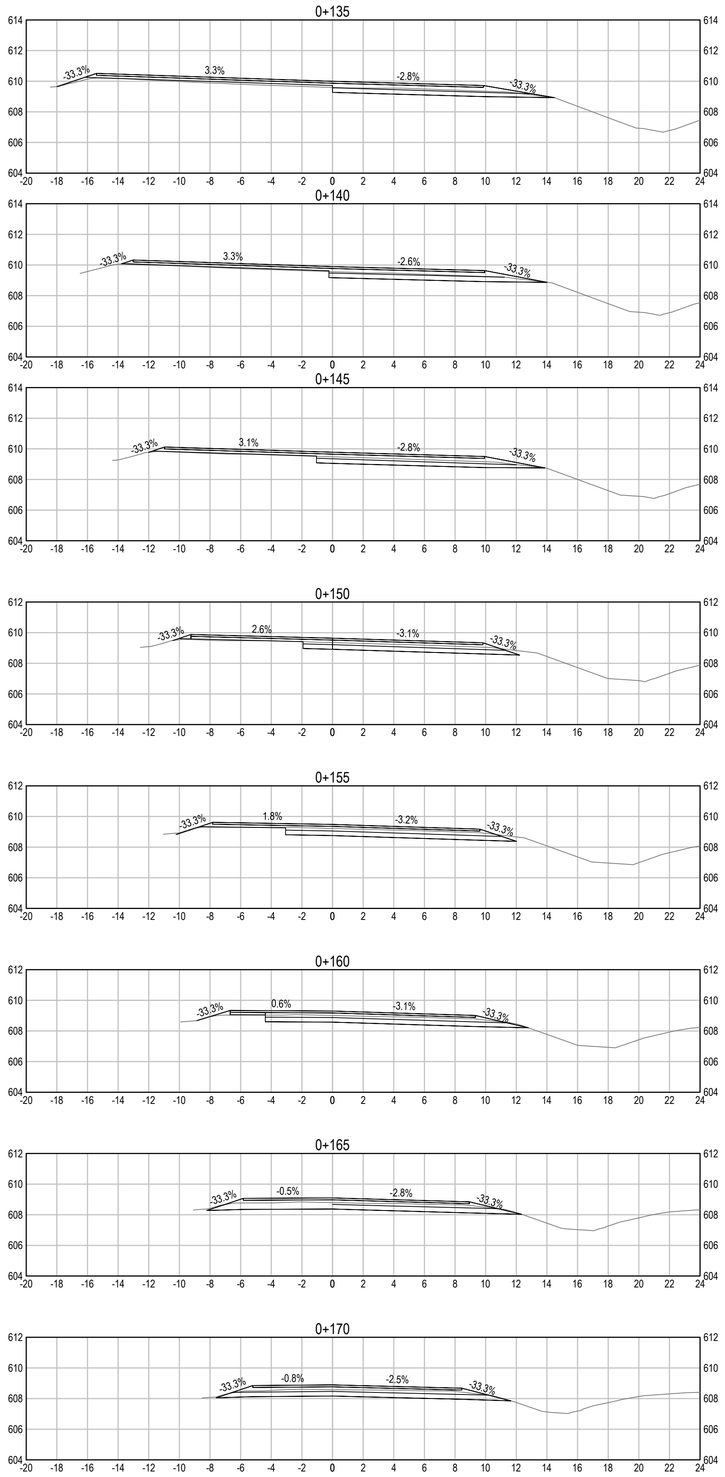

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
ALEXANDER DEEPWELL
22760

Scale: 1: 200 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 525.4 CHAIN UP AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1504	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1504] May 11, 2021 - 2:34:24 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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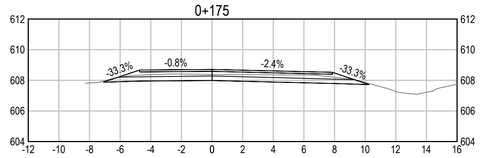

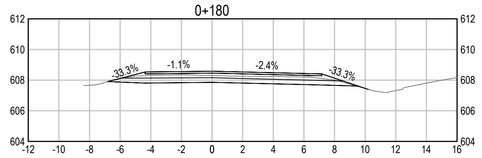

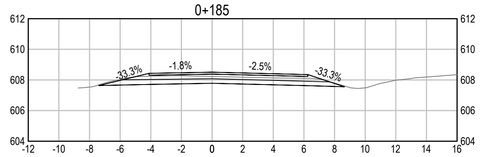

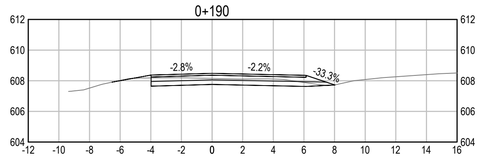

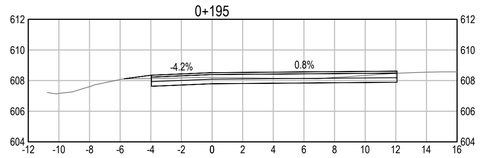

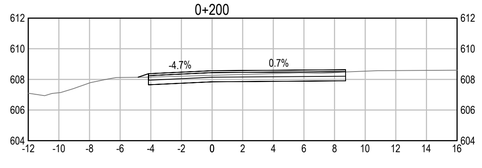

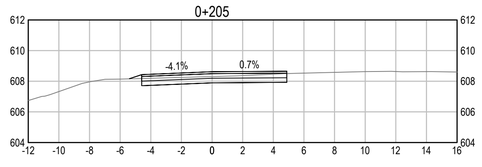

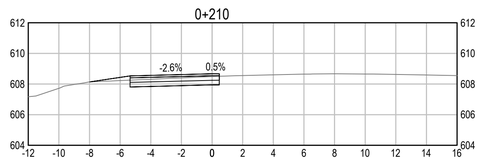

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
ALEX G LI
22760

0 10
Scale: 1: 200 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 525.4 CHAIN UP AREA CROSS SECTIONS

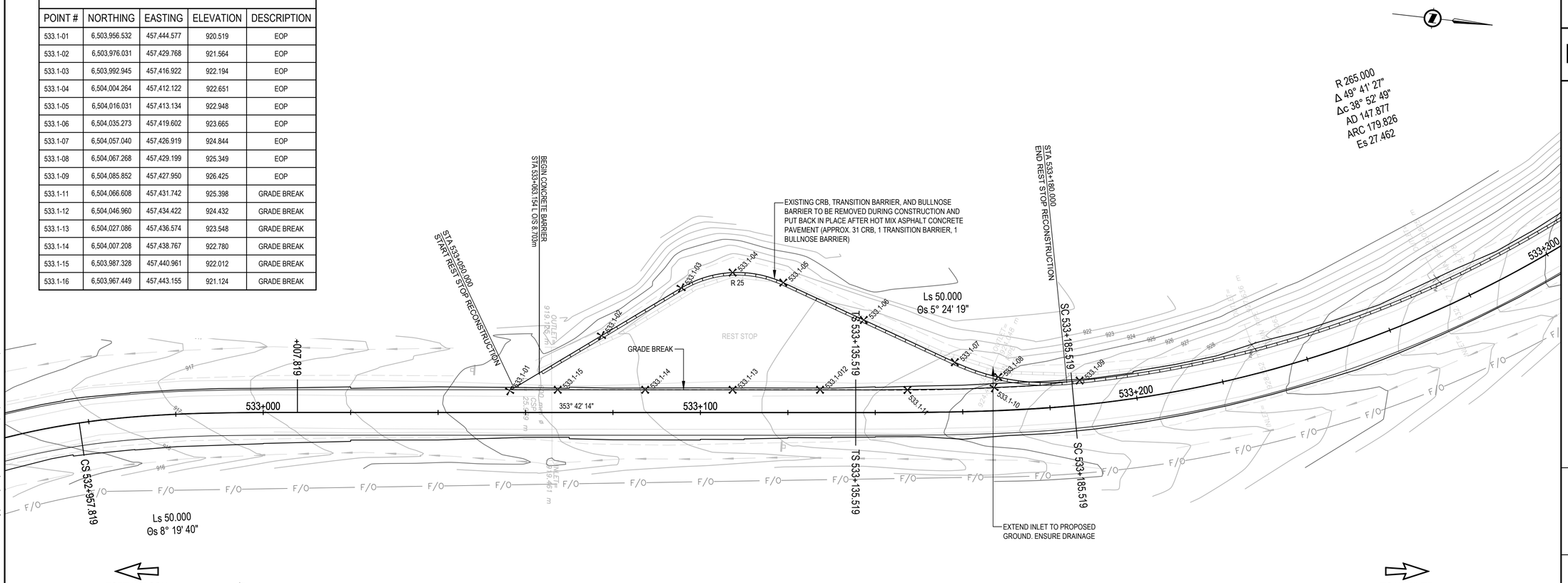
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1505	1

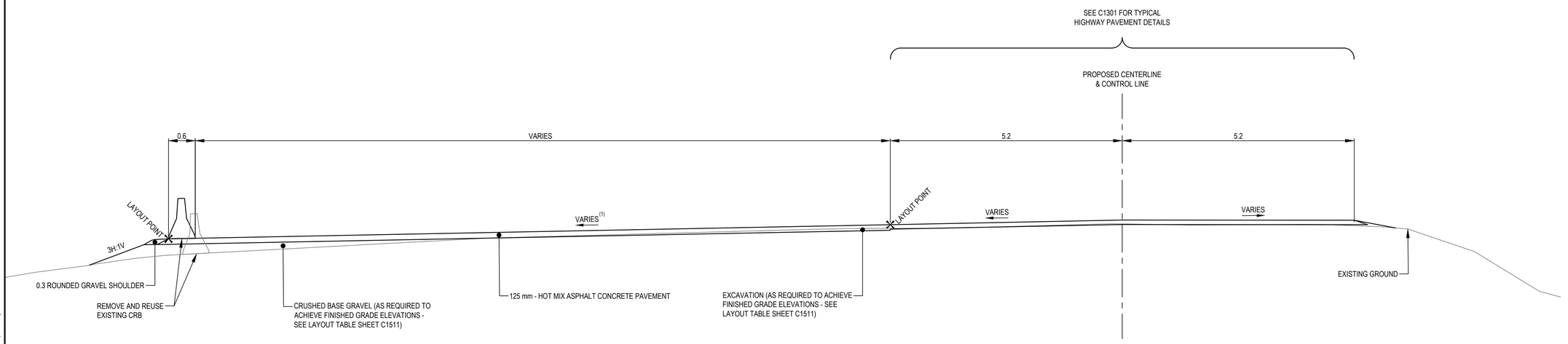
Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1505] May 11, 2021 - 2:34:38 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

LAYOUT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
533.1-01	6,503,956.532	457,444.577	920.519	EOP
533.1-02	6,503,976.031	457,429.768	921.564	EOP
533.1-03	6,503,992.945	457,416.922	922.194	EOP
533.1-04	6,504,004.264	457,412.122	922.651	EOP
533.1-05	6,504,016.031	457,413.134	922.948	EOP
533.1-06	6,504,035.273	457,419.602	923.665	EOP
533.1-07	6,504,057.040	457,426.919	924.844	EOP
533.1-08	6,504,067.268	457,429.199	925.349	EOP
533.1-09	6,504,085.852	457,427.950	926.425	EOP
533.1-11	6,504,066.608	457,431.742	925.398	GRADE BREAK
533.1-12	6,504,046.960	457,434.422	924.432	GRADE BREAK
533.1-13	6,504,027.086	457,436.574	923.548	GRADE BREAK
533.1-14	6,504,007.208	457,438.767	922.780	GRADE BREAK
533.1-15	6,503,987.328	457,440.961	922.012	GRADE BREAK
533.1-16	6,503,967.449	457,443.155	921.124	GRADE BREAK





TYPICAL SECTION - KM 533 REST STOP
1:50

NOTES:
(1) REST STOP GRADE VARIES ACCORDING TO EXISTING CONDITIONS. SEE LAYOUT TABLE ON SHEET C1511 FOR FINISHED GRADE ELEVATIONS.

ESTIMATED CONSTRUCTION QUANTITIES - KM 533.1 REST STOP (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
ASPHALT CONCRETE PAVEMENT	520 t
CRUSHED BASE GRAVEL	120 m^3
EXCAVATION	170 m^3

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHUN LI # 22760

0 25
Plan Scale: 1: 500 (metres)
0 2.5
Typical Scale: 1: 50 (metres)

Revision/ Révision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**
Drawing title/Titre du dessin: **KM 533.1 REST STOP PLAN / TYPICAL SECTION**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1511	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1511] May 11, 2021 - 2:35:16 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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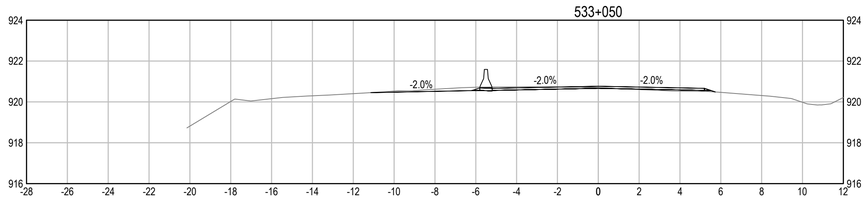

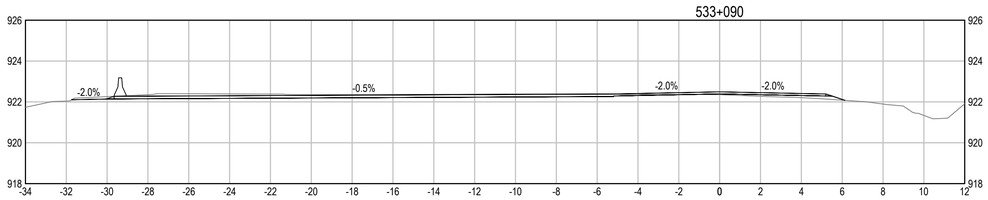

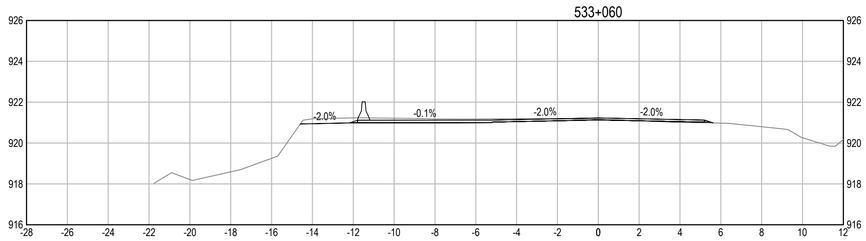

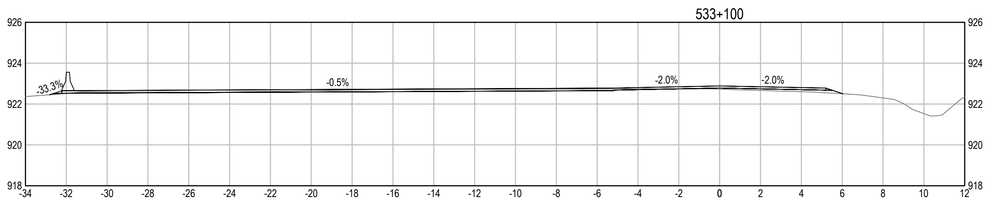

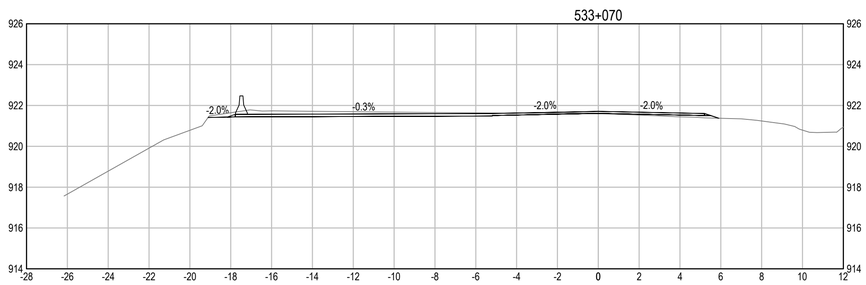

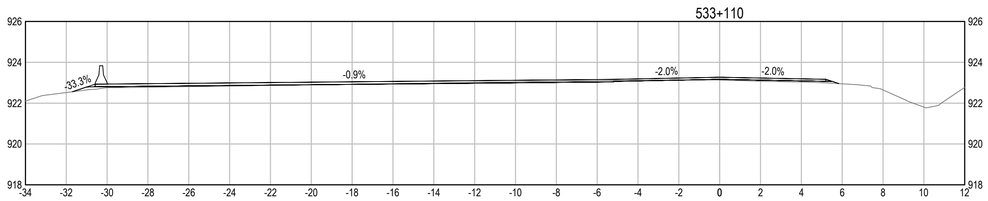

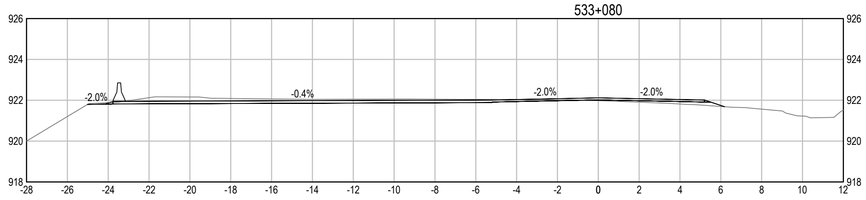

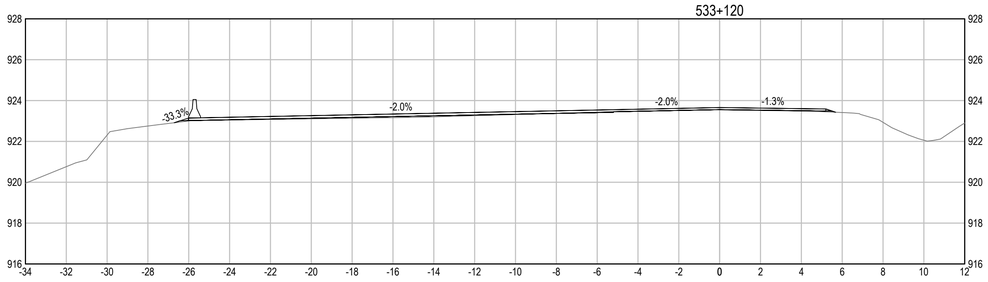

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
ALEX G LI
22760

Scale: 1: 150 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

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Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 533.1 REST STOP CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1512	1

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PWGSC – A1 – 841x594

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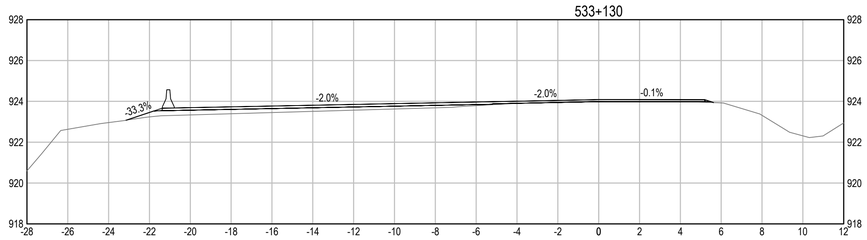

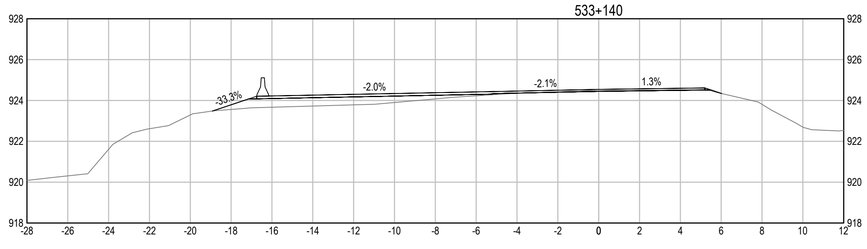

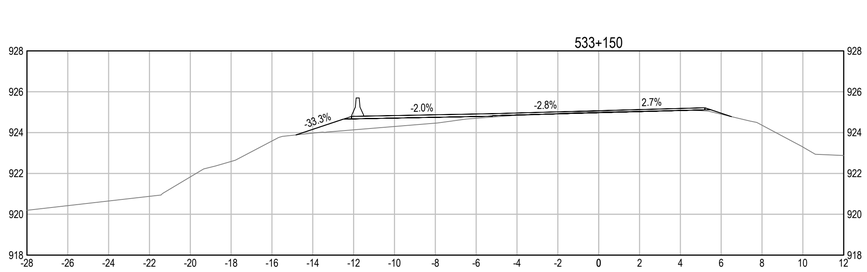

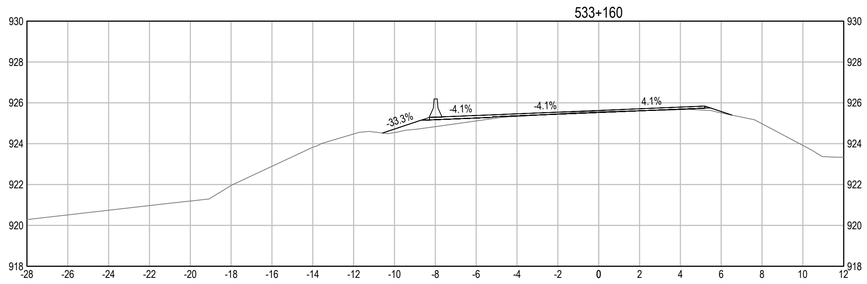

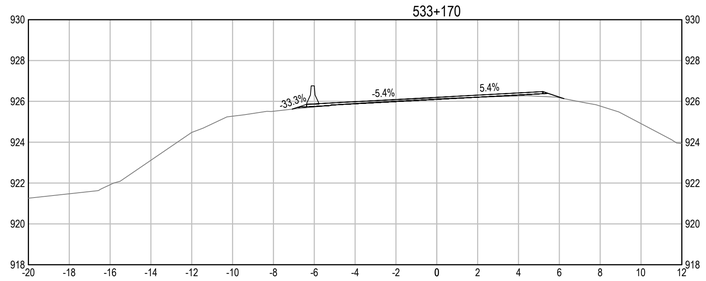

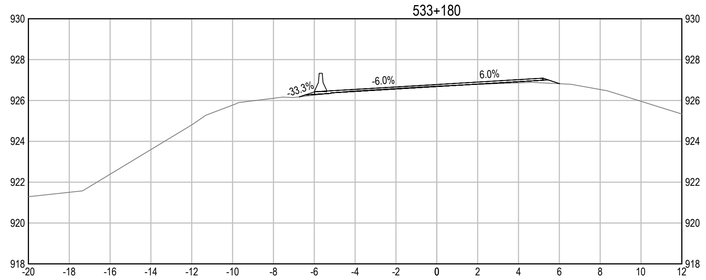

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

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SERVICES IMMOBILIERS
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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
22760

Scale: 1: 150 (metres)

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Drawn by/Dessine par
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A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 533.1 REST STOP CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1513	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1513] May 11, 2021 - 2:35:48 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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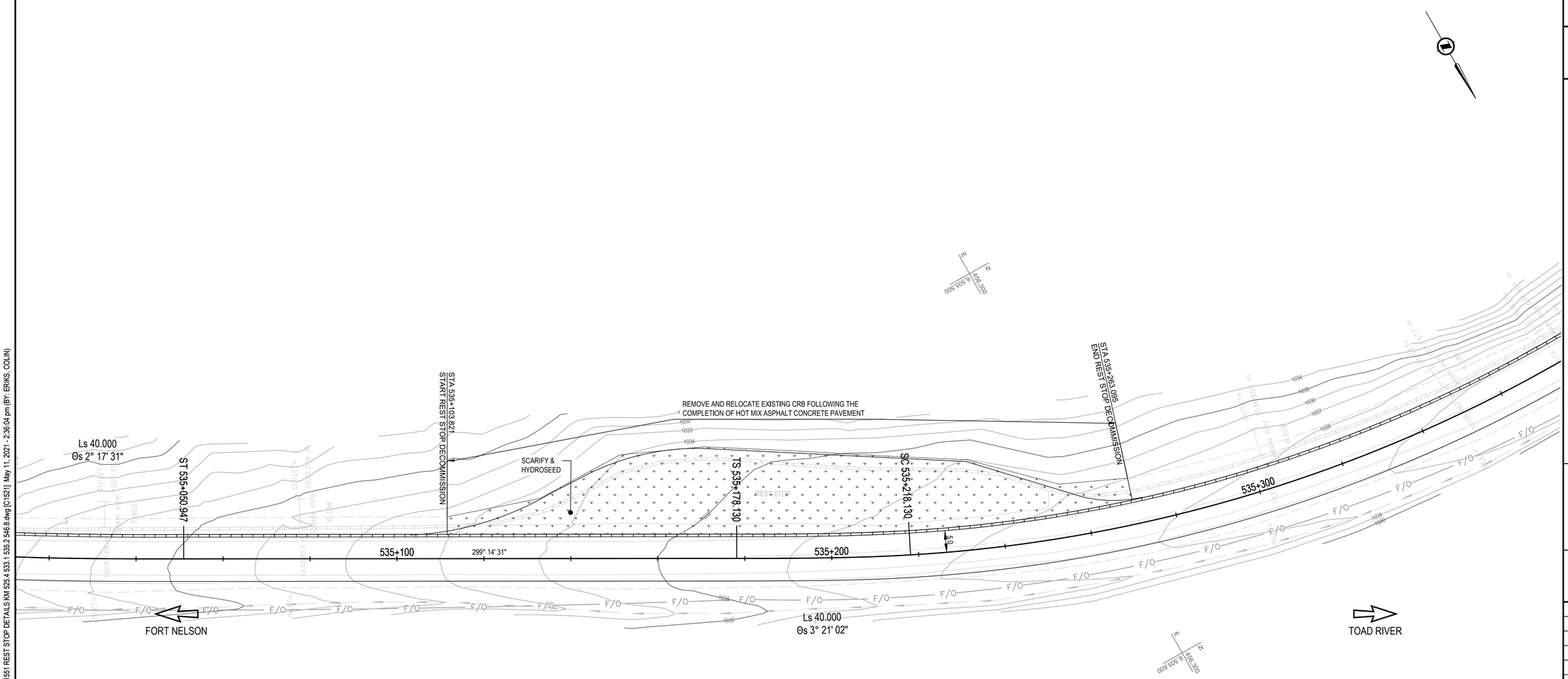

ESTIMATED CONSTRUCTION QUANTITIES - KM 535.2 REST STOP (FOR REFERENCE ONLY)	
MATERIAL	COUNT
CRB FOR REUSE ONSITE	64
CRB FOR OFFSITE DISPOSAL	1

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

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PROFESSIONAL ENGINEER — PROV OF BRITISH COLUMBIA — S LI # 22760

0 25
Scale: 1: 500 (metres)

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Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 535.2 REST STOP DECOMMISSIONING PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1521	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1521] May 11, 2021 - 2:36:04 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

LIMITS OF BORROW SOURCE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
545-01	6,503,705.063	449,292.453	805.081	BORROW SOURCE LIMIT
545-02	6,503,707.811	449,271.253	802.416	BORROW SOURCE LIMIT
545-03	6,503,727.191	449,246.594	798.848	BORROW SOURCE LIMIT
545-04	6,503,748.844	449,244.470	797.866	BORROW SOURCE LIMIT
545-05	6,503,770.681	449,253.085	799.619	BORROW SOURCE LIMIT
545-06	6,503,794.020	449,287.271	808.007	BORROW SOURCE LIMIT
545-07	6,503,818.001	449,330.694	816.069	BORROW SOURCE LIMIT
545-08	6,503,823.285	449,332.323	816.659	BORROW SOURCE LIMIT

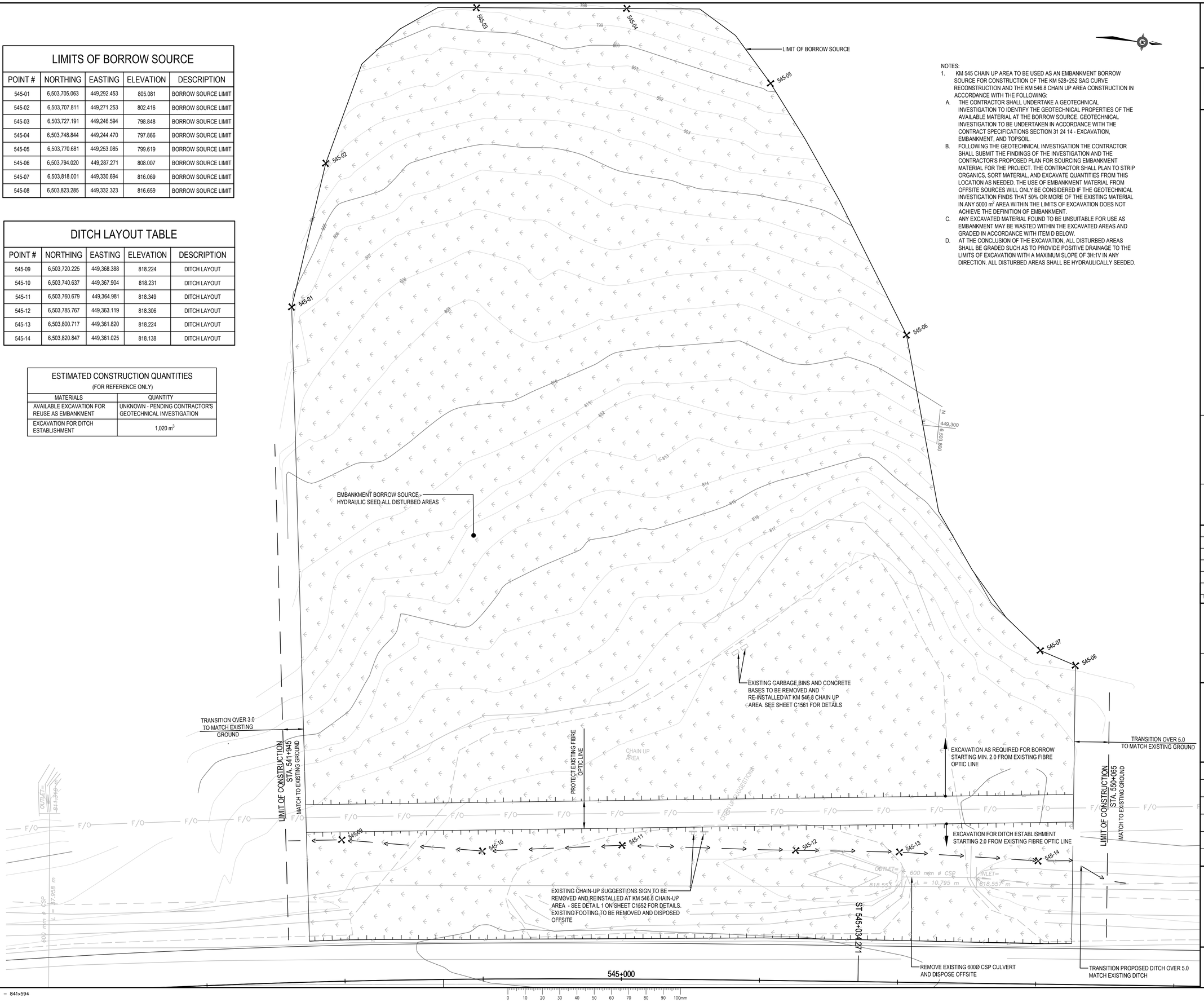
DITCH LAYOUT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
545-09	6,503,720.225	449,368.388	818.224	DITCH LAYOUT
545-10	6,503,740.637	449,367.904	818.231	DITCH LAYOUT
545-11	6,503,760.679	449,364.981	818.349	DITCH LAYOUT
545-12	6,503,785.767	449,363.119	818.306	DITCH LAYOUT
545-13	6,503,800.717	449,361.820	818.224	DITCH LAYOUT
545-14	6,503,820.847	449,361.025	818.138	DITCH LAYOUT

ESTIMATED CONSTRUCTION QUANTITIES

(FOR REFERENCE ONLY)

MATERIALS	QUANTITY
AVAILABLE EXCAVATION FOR REUSE AS EMBANKMENT	UNKNOWN - PENDING CONTRACTOR'S GEOTECHNICAL INVESTIGATION
EXCAVATION FOR DITCH ESTABLISHMENT	1,020 m^3



NOTES:

1. KM 545 CHAIN UP AREA TO BE USED AS AN EMBANKMENT BORROW SOURCE FOR CONSTRUCTION OF THE KM 528+252 SAG CURVE RECONSTRUCTION AND THE KM 546.8 CHAIN UP AREA CONSTRUCTION IN ACCORDANCE WITH THE FOLLOWING:
   - A. THE CONTRACTOR SHALL UNDERTAKE A GEOTECHNICAL INVESTIGATION TO IDENTIFY THE GEOTECHNICAL PROPERTIES OF THE AVAILABLE MATERIAL AT THE BORROW SOURCE. GEOTECHNICAL INVESTIGATION TO BE UNDERTAKEN IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS SECTION 31 24 14 - EXCAVATION, EMBANKMENT, AND TOPSOIL.
   - B. FOLLOWING THE GEOTECHNICAL INVESTIGATION THE CONTRACTOR SHALL SUBMIT THE FINDINGS OF THE INVESTIGATION AND THE CONTRACTOR'S PROPOSED PLAN FOR SOURCING EMBANKMENT MATERIAL FOR THE PROJECT. THE CONTRACTOR SHALL PLAN TO STRIP ORGANICS, SORT MATERIAL, AND EXCAVATE QUANTITIES FROM THIS LOCATION AS NEEDED. THE USE OF EMBANKMENT MATERIAL FROM OFFSITE SOURCES WILL ONLY BE CONSIDERED IF THE GEOTECHNICAL INVESTIGATION FINDS THAT 50% OR MORE OF THE EXISTING MATERIAL IN ANY 5000 m^2 AREA WITHIN THE LIMITS OF EXCAVATION DOES NOT ACHIEVE THE DEFINITION OF EMBANKMENT.
   - C. ANY EXCAVATED MATERIAL FOUND TO BE UNSUITABLE FOR USE AS EMBANKMENT MAY BE WASTED WITHIN THE EXCAVATED AREAS AND GRADED IN ACCORDANCE WITH ITEM D BELOW.
   - D. AT THE CONCLUSION OF THE EXCAVATION, ALL DISTURBED AREAS SHALL BE GRADED SUCH AS TO PROVIDE POSITIVE DRAINAGE TO THE LIMITS OF EXCAVATION WITH A MAXIMUM SLOPE OF 3H:1V IN ANY DIRECTION. ALL DISTURBED AREAS SHALL BE HYDRAULICALLY SEEDED.

GENERAL NOTES:

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Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

PROFESSIONAL ENGINEER — PROVINCE OF B.C. — S. LI — # 22780 — BRITISH COLUMBIA — 2021 MAY 11

Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

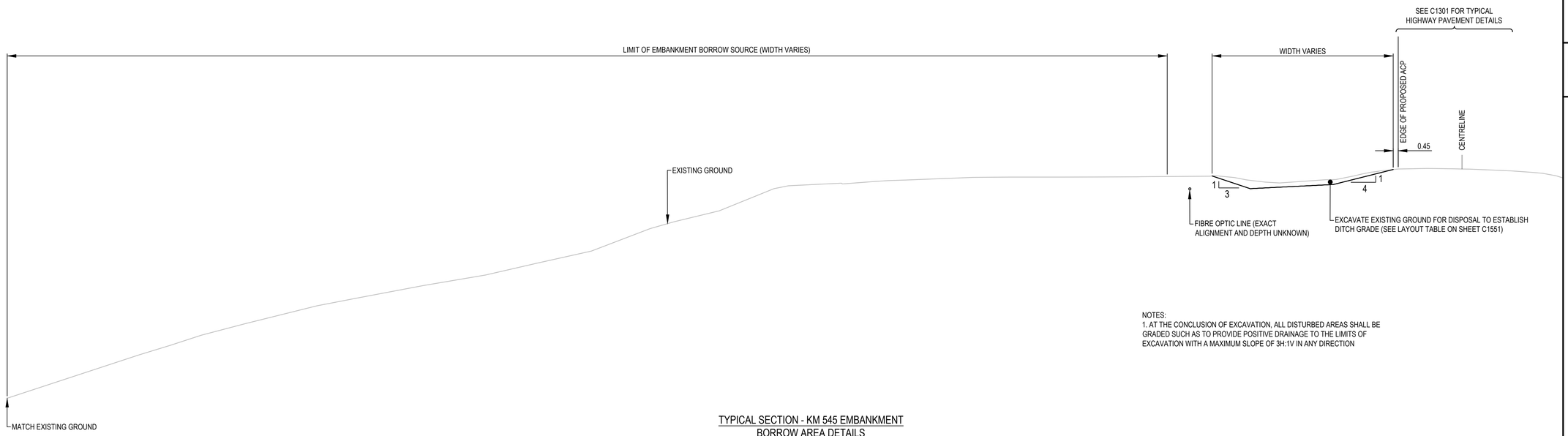
Drawing title/Titre du dessin

KM 545 EMBANKMENT BORROW AREA PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1551	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1551 REST STOP DETAILS KM 545.dwg [C1551] May 11, 2021 - 2:13:00 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594



NOTES:
1. AT THE CONCLUSION OF EXCAVATION, ALL DISTURBED AREAS SHALL BE GRADED SUCH AS TO PROVIDE POSITIVE DRAINAGE TO THE LIMITS OF EXCAVATION WITH A MAXIMUM SLOPE OF 3H:1V IN ANY DIRECTION

TYPICAL SECTION - KM 545 EMBANKMENT
BORROW AREA DETAILS
1:200

DETAIL 1 - KM 545 CHAIN UP AREA SIGNAGE REMOVAL
SCALE N.T.S.

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. LI — # 22760

0 10
Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 545 EMBANKMENT BORROW AREA TYPICAL SECTION AND DETAIL

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1552	1

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PWGSC – A1 – 841x594

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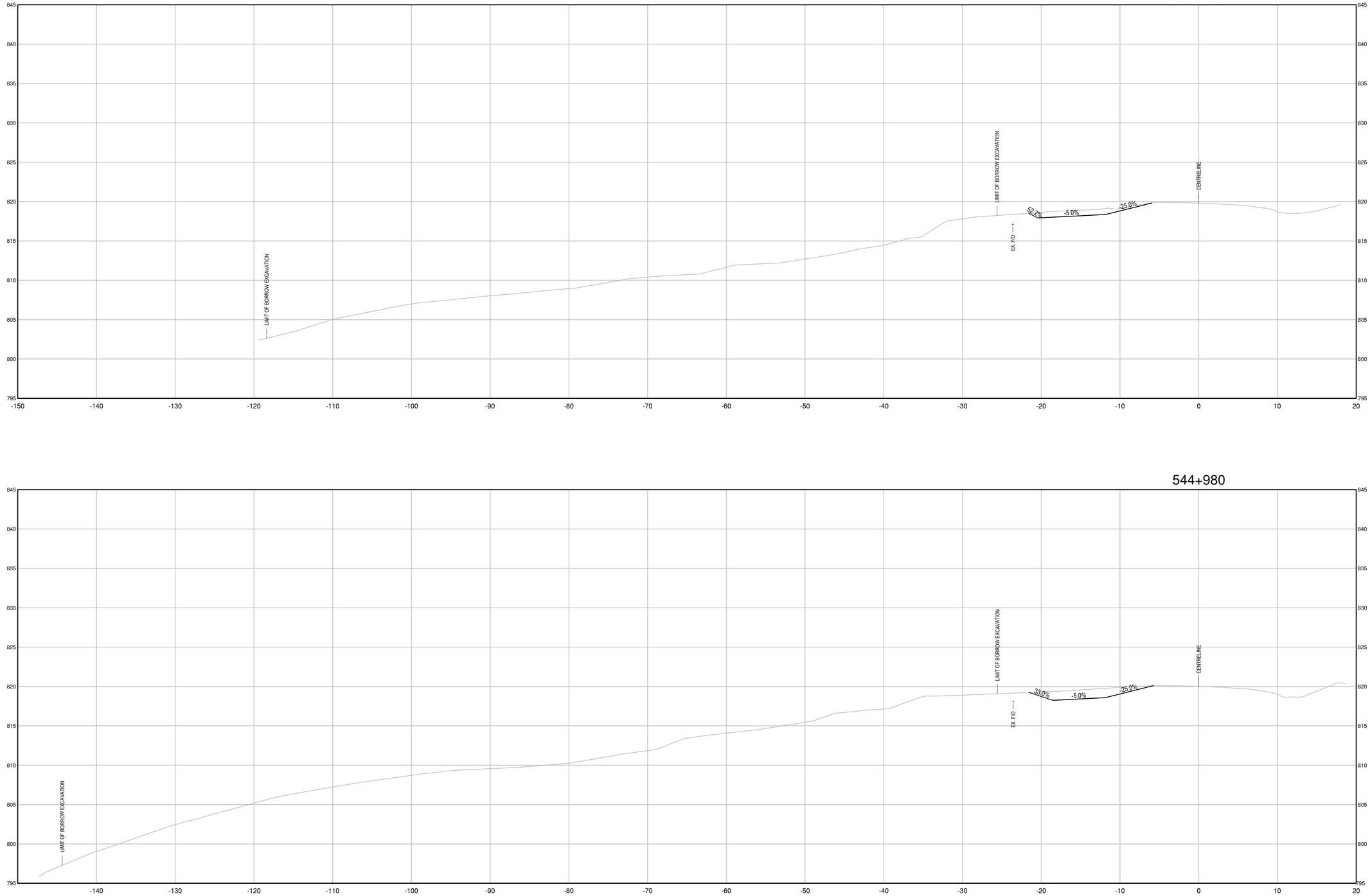

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHAWN G. LI — # 22760

0 10
Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545 EMBANKMENT BORROW AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1553	1

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PWGSC – A1 – 841x594

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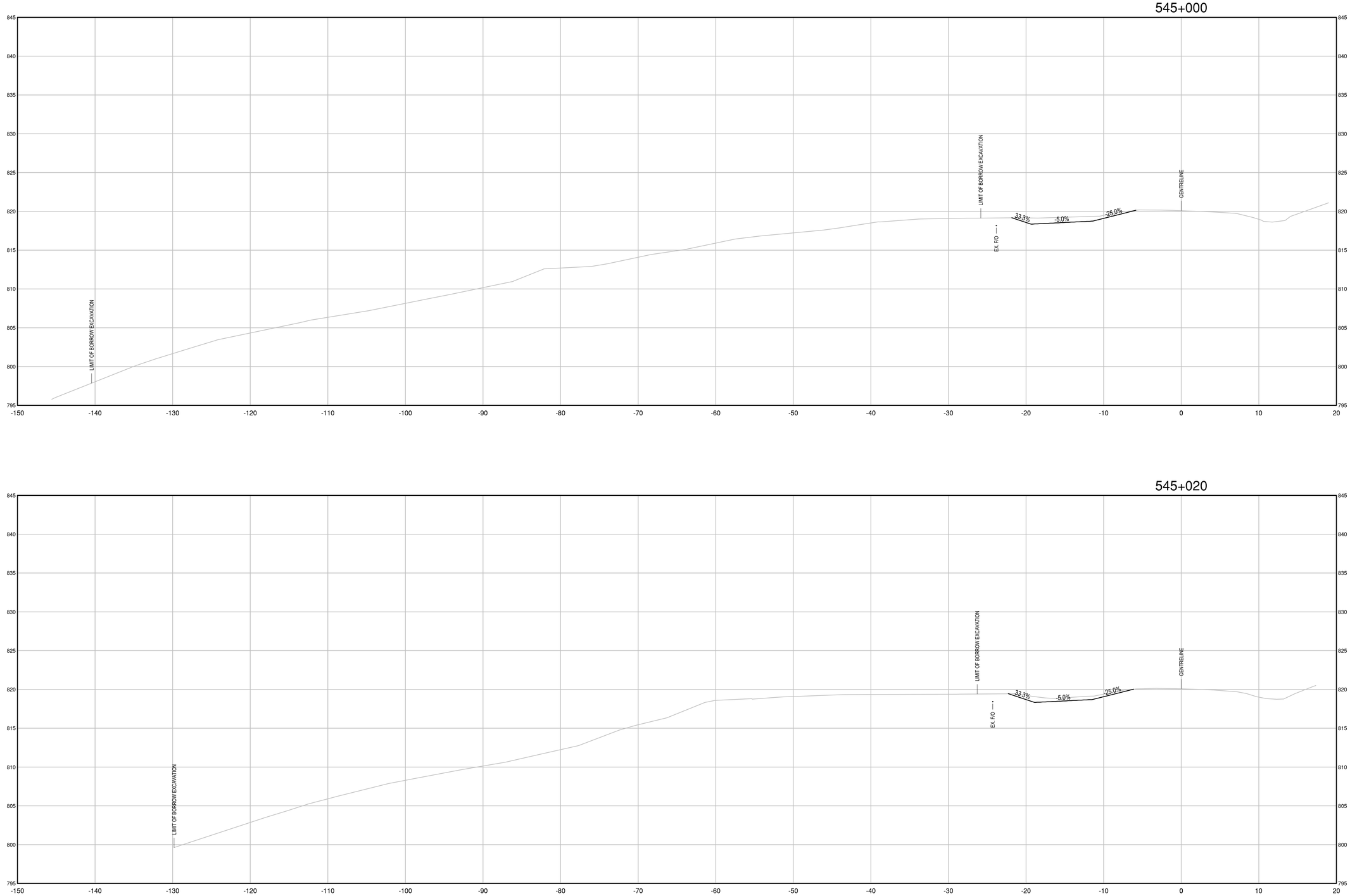

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REAL PROPERTY SERVICES
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PROFESSIONAL ENGINEER — PROV. OF B.C. — SHUANG G. LI — # 22760

0 10
Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545 EMBANKMENT BORROW AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1554	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1551 REST STOP DETAILS KM 545.dwg [C1554] May 11, 2021 - 2:15:24 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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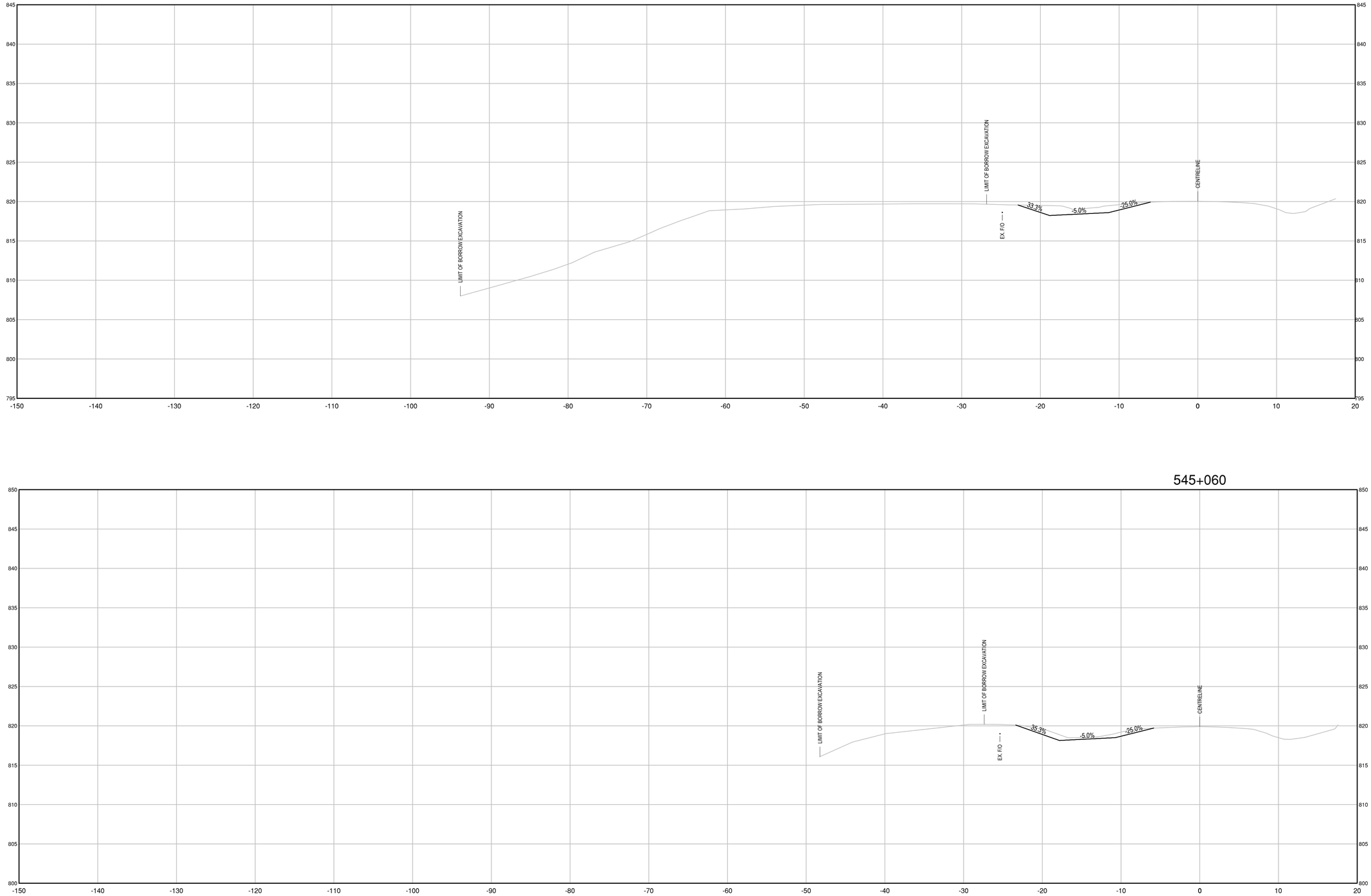

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. LI # 22760

Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
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PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

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PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545 EMBANKMENT BORROW AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1555	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1551 REST STOP DETAILS KM 545.dwg [C1555] May 11, 2021 - 2:16:09 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

LIMIT OF CLEARING AND GRUBBING

TOE OF SLOPE

SEE SHEET C1811 FOR KM 546.7 CULVERT DETAILS

REINSTALL CHAIN UP SUGGESTIONS SIGN RELOCATED FROM KM 545 CHAIN UP AREA. SEE DETAILS 1 AND 2 ON SHEET C1562 FOR DETAILS.

RELOCATE CONCRETE BASES AND GARBAGE BINS FROM KM 545 CHAIN UP AREA OUTSIDE LIMIT OF HOT MIX ASPHALT CONCRETE PAVEMENT. ALIGN TOP OF CONCRETE BASE TO TOP OF HOT MIX ASPHALT CONCRETE PAVEMENT.

EXTEND FROM EXISTING PERFORATED PIPE WITH 33.0m LONG 600mm / 800mm Ø CSP CULVERT AT 4.32%. INSTALL 2.0 RIPRAP END PROTECTION - SEE SHEET C1563.
OUTLET N 6,504,226.761 E 448,409.574 Z 793.646
KM 546.8 CHAIN UP AREA CULVERT EXTENSION (600mm / 800mm).
THE CONTRACTOR SHALL CONFIRM THE DIAMETER OF THE EXISTING CULVERT PRIOR TO ORDERING MATERIALS.

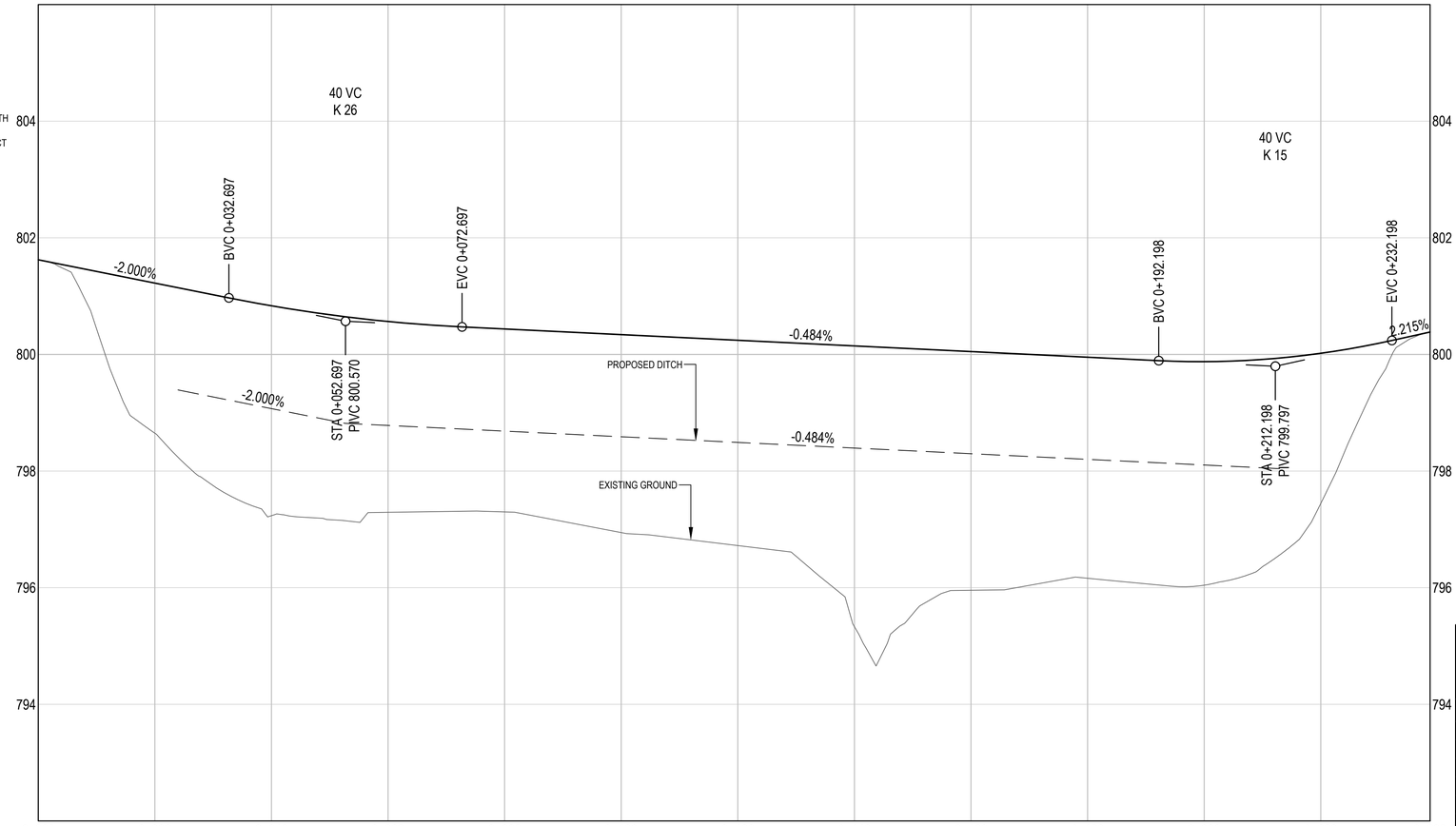
LENGTH AND ALIGNMENT OF BURIED EXISTING CULVERT UNKNOWN

PROPOSED 26.7m LONG 800mm Ø STEEL PIPE CULVERT @ 2.71%
INLET N 6,504,214.481 E 448,339.134 Z 798.124
OUTLET N 6,504,192.450 E 448,324.089 Z 797.402
KM 546.8 CHAIN UP AREA ACCESS CULVERT - 800mm.

INSTALL 0.3 m DEEP SWALE TO ENSURE POSITIVE DRAINAGE AWAY FROM TOE OF PROPOSED CHAIN UP AREA - SEE SHEET C1563

EC 0+044.371
BC 0+012.955
BC 0+194.371
EC 0+225.787
0+000
0+100
0+200
0+238.741
24.0
218° 55' 57"
128° 55' 57"
308° 55' 57"
Δ=90° 00' 00"
R=20
R=25
R=14
R=7
546+700
546+800
546+900
547+000
FORT NELSON
TOAD RIVER
INLET
OUTLET
900mm Ø CSP L = 11.942 m
600mm Ø CSP L = 16.862 m
800mm Ø CSP L = 29.903 m
INLET N 6,504,214.481 E 448,339.134 Z 798.124
OUTLET N 6,504,192.450 E 448,324.089 Z 797.402
OUTLET N 6,504,226.761 E 448,409.574 Z 795.680 m
INLET N 6,504,219.6** E 448,3**.*** Z 797.***
OUTLET N 6,504,2**.*** E 448,4**.*** Z 795.***
TOPSOIL
DITCH
F/O

NOTES:
1. THE EMBANKMENT SHALL BE SOURCED IN ACCORDANCE WITH THE CONTRACTOR'S PROPOSED PLAN AS PER THE REQUIREMENTS DESCRIBED ON SHEET C1551 AND CONTRACT SPECIFICATIONS SECTION 31 24 14 - EXCAVATION, EMBANKMENT, AND TOPSOIL.



ESTIMATED CONSTRUCTION QUANTITIES - KM 546.8 REST STOP
(FOR REFERENCE ONLY)

MATERIAL	QUANTITY
ASPHALT CONCRETE PAVEMENT	2,120 t
CRUSHED BASE GRAVEL	1,420 m³
SUB-BASE COURSE	2,100 m³
EXCAVATION	400 m³
EMBANKMENT	18,700 m³
CLEARING AND GRUBBING	7,050 m²

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

Horiz. Scale: 1: 500 (metres) 0 25
Vert. Scale: 1: 50 (metres) 0 2.5

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 546.8 CHAIN UP AREA PLAN / PROFILE

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1561	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1561] May 11, 2021 - 2:36:28 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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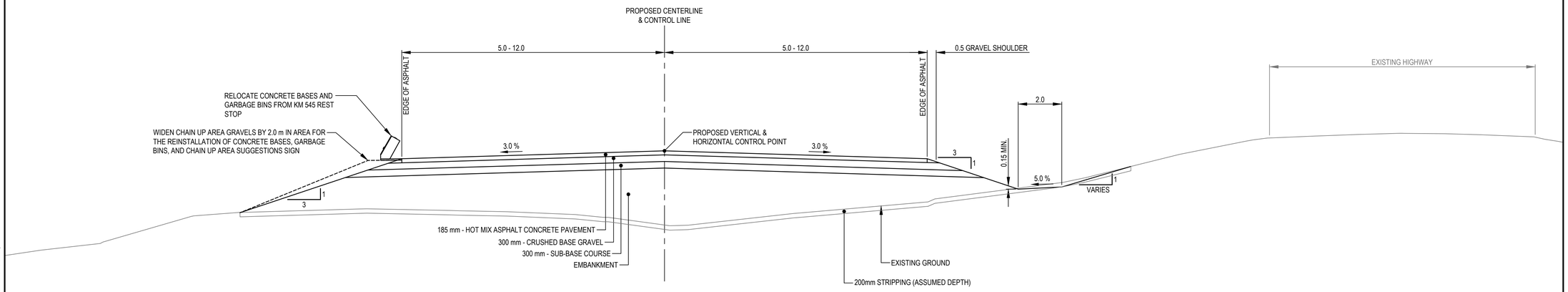
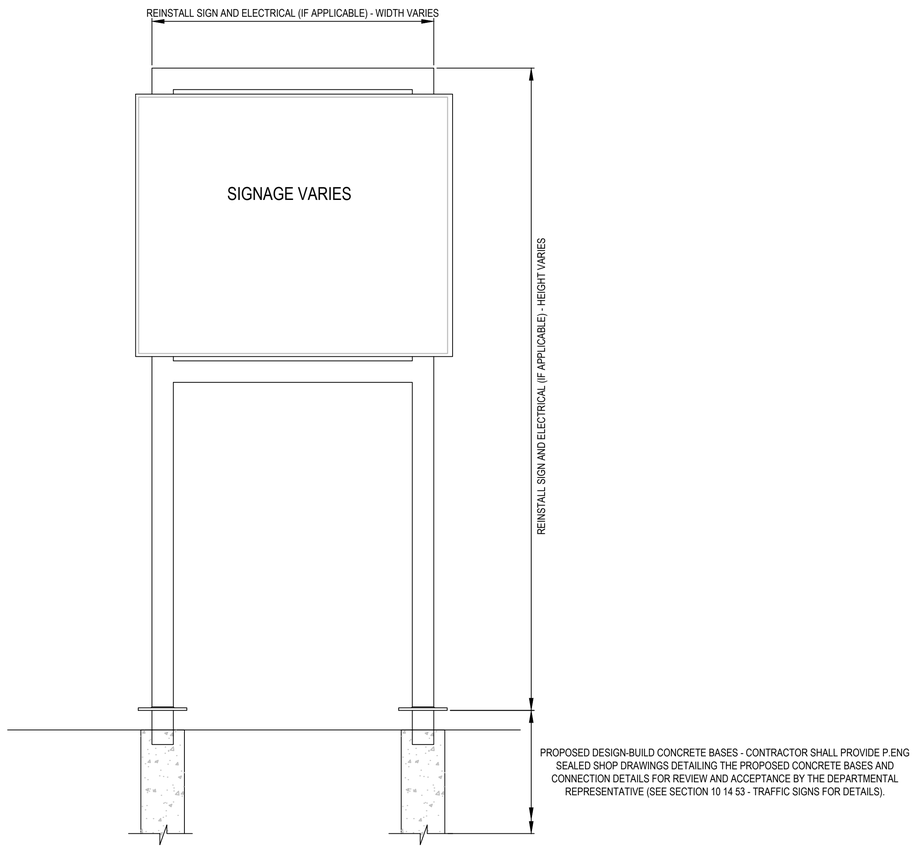


TYPICAL SECTION - KM 546.8 CHAIN UP AREA
TYPICAL FROM STA. 0+005.200 TO STA. 0+231.490
1:100



DETAIL 1 - KM 545 CHAIN UP AREA SIGNAGE REMOVAL
SCALE N.T.S.

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHUANG LI — # 22760

SCALE AS SHOWN

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 546.8 CHAIN UP TYPICAL SECTION AND DETAIL

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1562	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1562] May 11, 2021 - 2:36:54 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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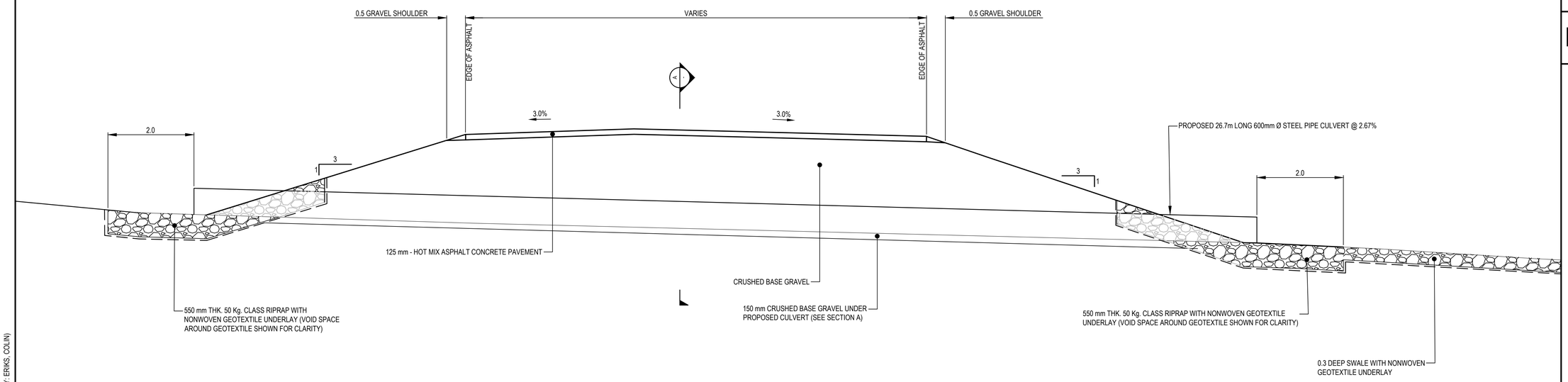
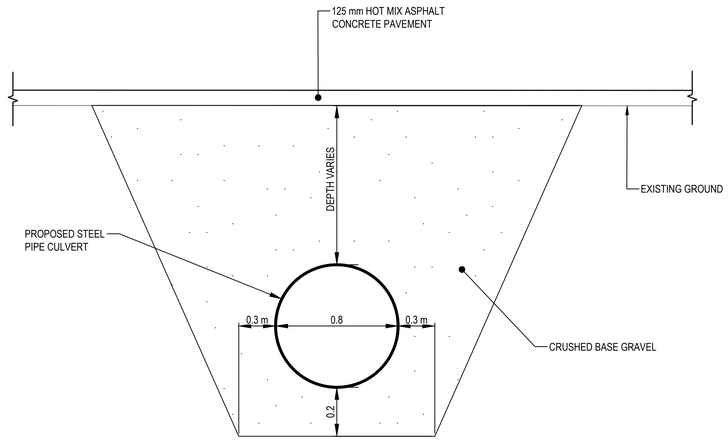
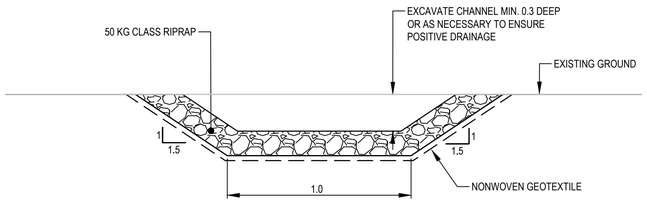


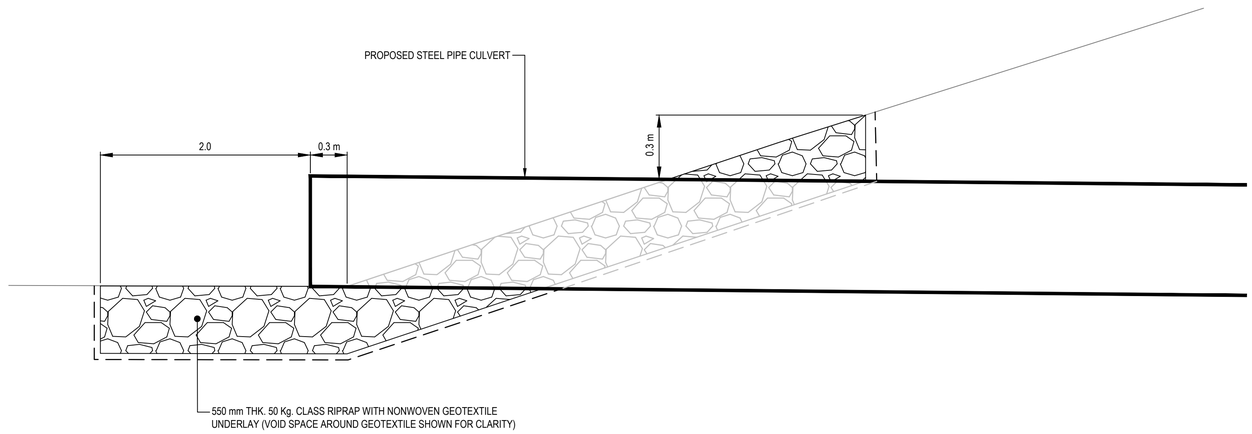
TYPICAL SECTION - KM 546.8 CHAIN UP AREA ACCESS CULVERT
1:50



SECTION A
SCALE N.T.S.



TYPICAL SECTION - SWALE CONSTRUCTION
1:25



TYPICAL RIPRAP END PROTECTION
SCALE 1:25

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA S. LI # 22760

SCALE AS SHOWN

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 546.8 CHAIN UP AREA TYPICAL SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1563	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1563] May 11, 2021 - 2:38:01 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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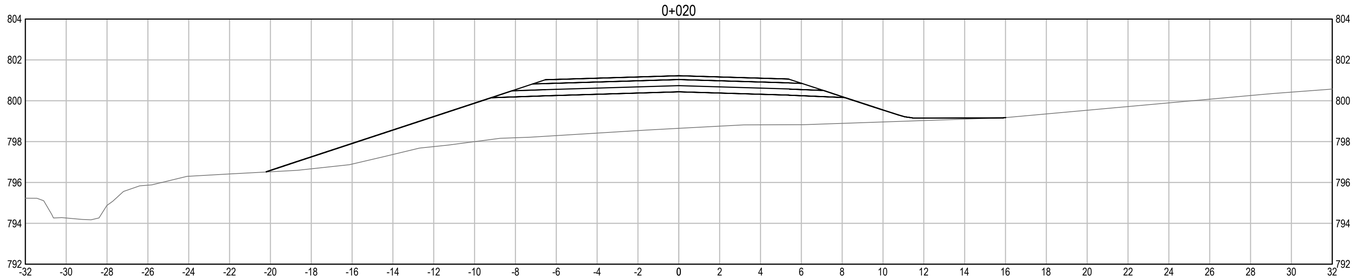

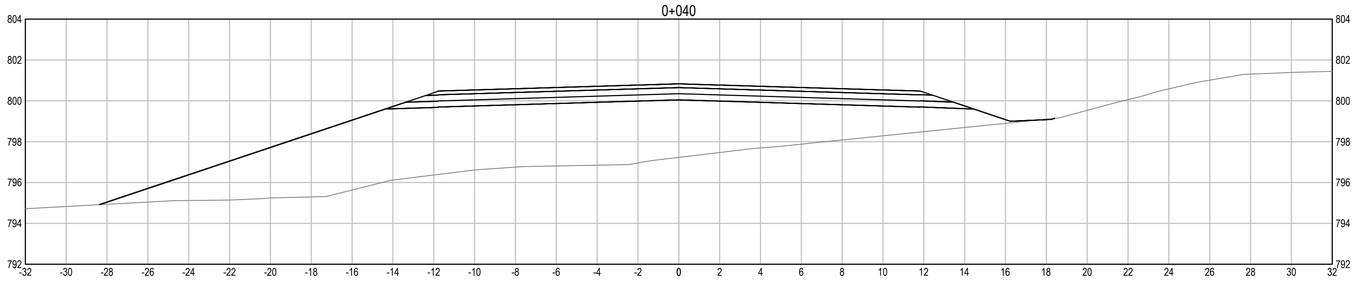

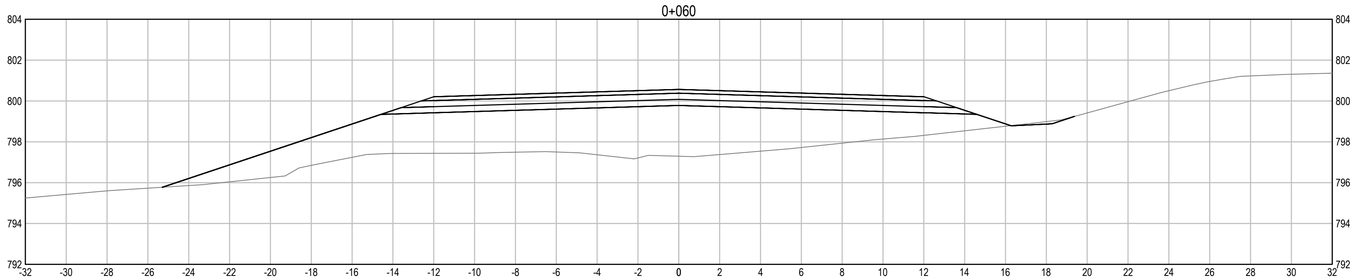

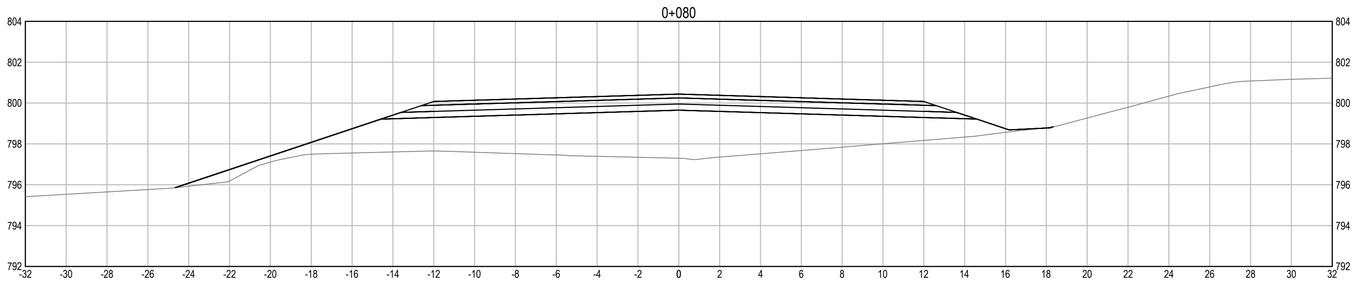

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
22760

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 546.8 CHAIN UP AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1564	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1564] May 11, 2021 - 2:38:15 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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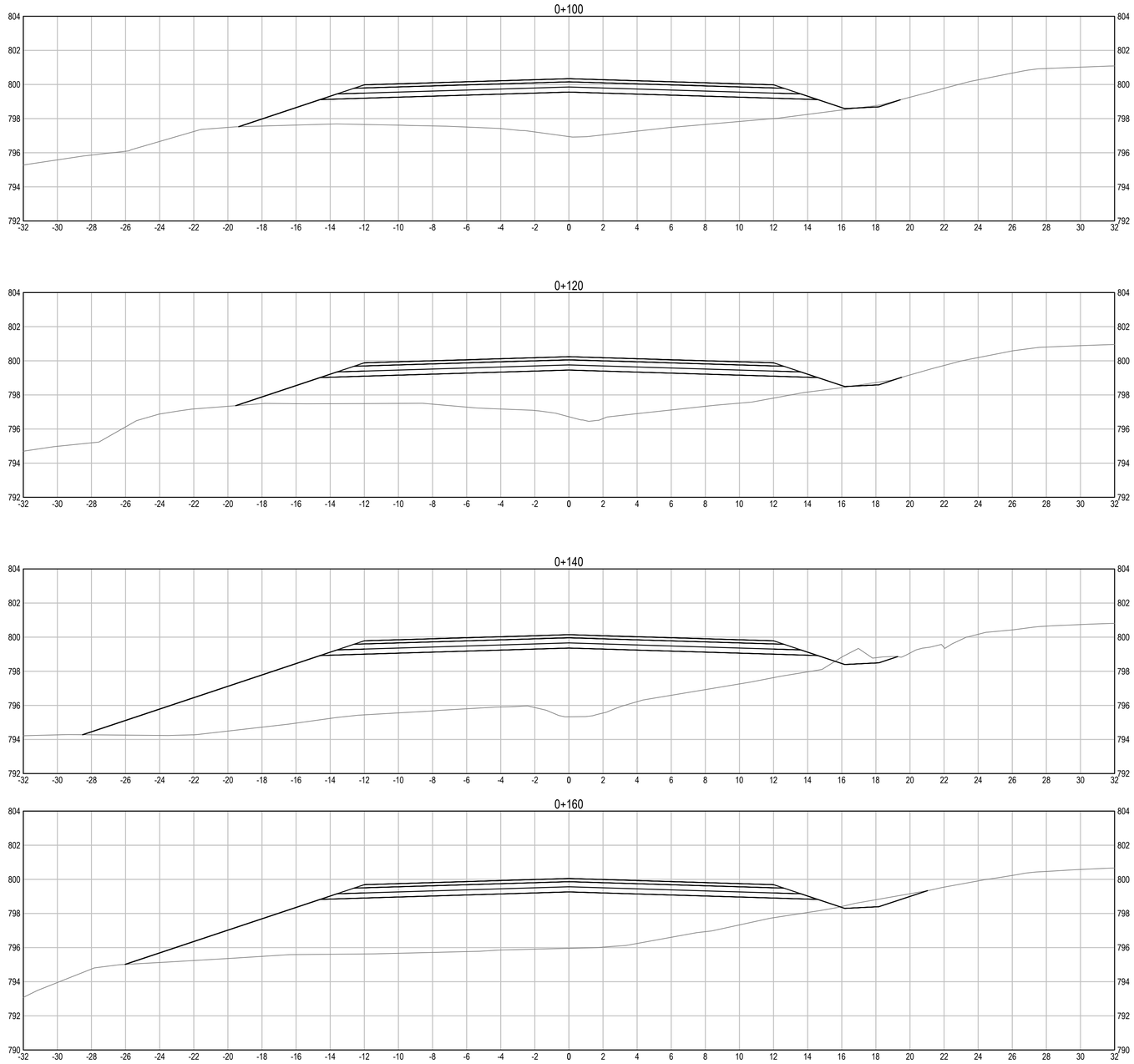

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHUANG LI
22760

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Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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A.DEEPWELL / H.ONG

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PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 546.8 CHAIN UP AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	**C1565**	**1**

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1565] May 11, 2021 - 2:38:29 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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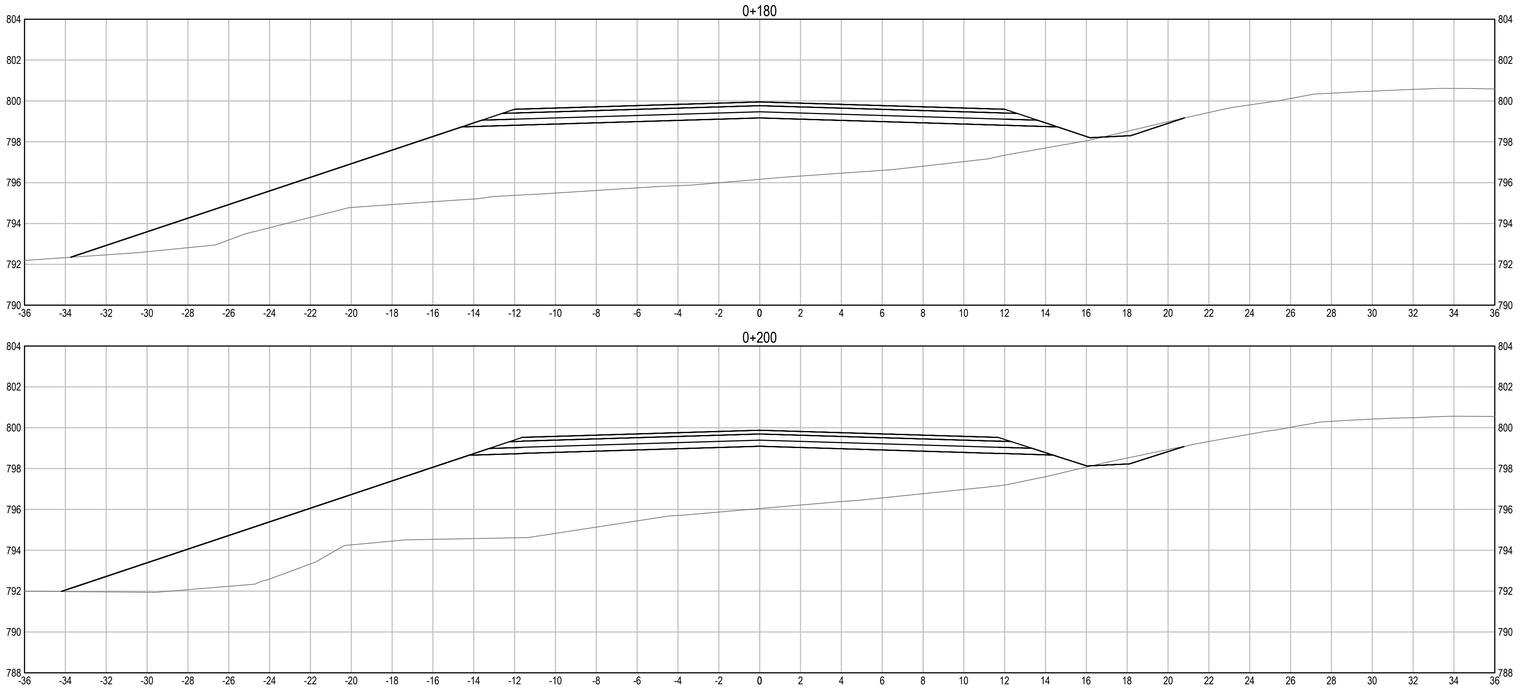

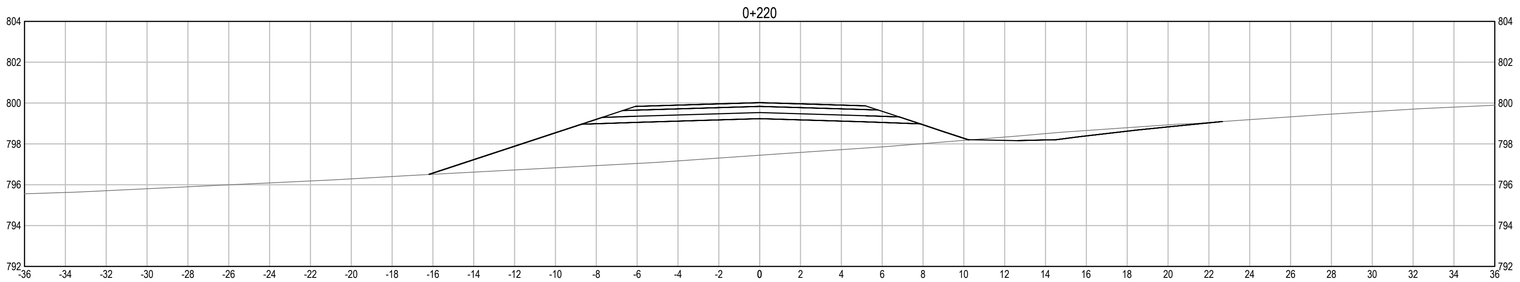

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHI X G LI
22760

Scale: 1: 150 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 546.8 CHAIN UP AREA CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1566	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1501-C1551 REST STOP DETAILS KM 525.4 533.1 535.2 546.8.dwg [C1566] May 11, 2021 - 2:38:43 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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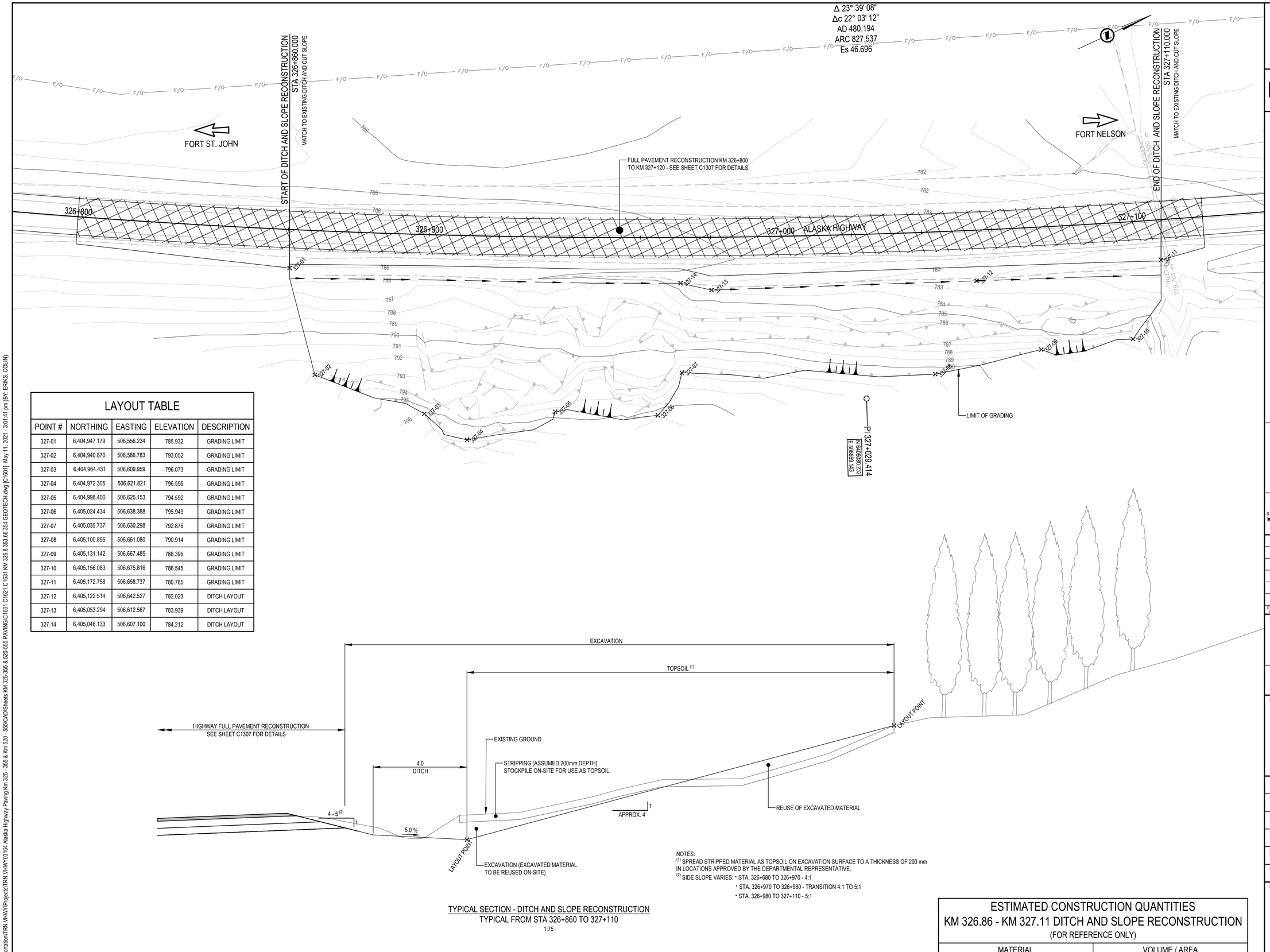

LAYOUT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
327-01	6,404,947.179	506,556.234	785.932	GRADING LIMIT
327-02	6,404,940.870	506,586.783	793.052	GRADING LIMIT
327-03	6,404,964.431	506,609.959	796.073	GRADING LIMIT
327-04	6,404,972.305	506,621.821	796.556	GRADING LIMIT
327-05	6,404,998.400	506,625.153	794.592	GRADING LIMIT
327-06	6,405,024.434	506,638.388	795.949	GRADING LIMIT
327-07	6,405,035.737	506,630.298	792.876	GRADING LIMIT
327-08	6,405,100.895	506,661.080	790.914	GRADING LIMIT
327-09	6,405,131.142	506,667.485	788.395	GRADING LIMIT
327-10	6,405,156.083	506,675.816	786.545	GRADING LIMIT
327-11	6,405,172.758	506,658.737	780.785	GRADING LIMIT
327-12	6,405,122.514	506,642.527	782.023	DITCH LAYOUT
327-13	6,405,053.294	506,612.567	783.939	DITCH LAYOUT
327-14	6,405,046.133	506,607.100	784.212	DITCH LAYOUT

NOTES:
(1) SPREAD STRIPPED MATERIAL AS TOPSOIL ON EXCAVATION SURFACE TO A THICKNESS OF 200 mm IN LOCATIONS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
(2) SIDE SLOPE VARIES: • STA. 326+680 TO 326+970 - 4:1
• STA. 326+970 TO 326+980 - TRANSITION 4:1 TO 5:1
• STA. 326+980 TO 327+110 - 5:1

TYPICAL SECTION - DITCH AND SLOPE RECONSTRUCTION
TYPICAL FROM STA 326+860 TO 327+110
1:75

ESTIMATED CONSTRUCTION QUANTITIES KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
STRIPPING	1,430 m^3
EXCAVATION	1,750 m^3
REUSE/PLACEMENT OF EXCAVATED MATERIAL	1,750 m^3
TOPSOIL	1,430 m^3

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REAL PROPERTY SERVICES
Pacific Region
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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHAWN G. LI
22760
ASSOCIATE ENGINEER

0 25 0 2.5
Plan Scale: 1: 500 (metres) Section Scale: 1: 75 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION PLAN / TYPICAL SECTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1601	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1601 C1621 C1631 KM 326.8 353.66 354 GEOTECH.dwg [C1601] May 11, 2021 - 3:01:41 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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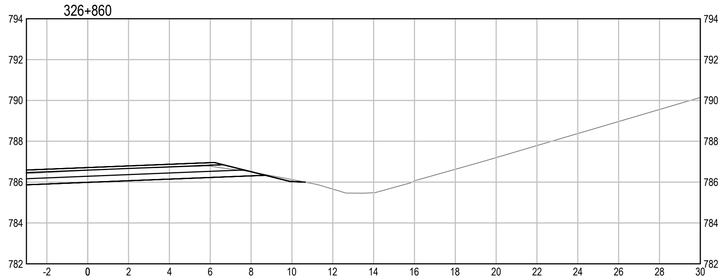

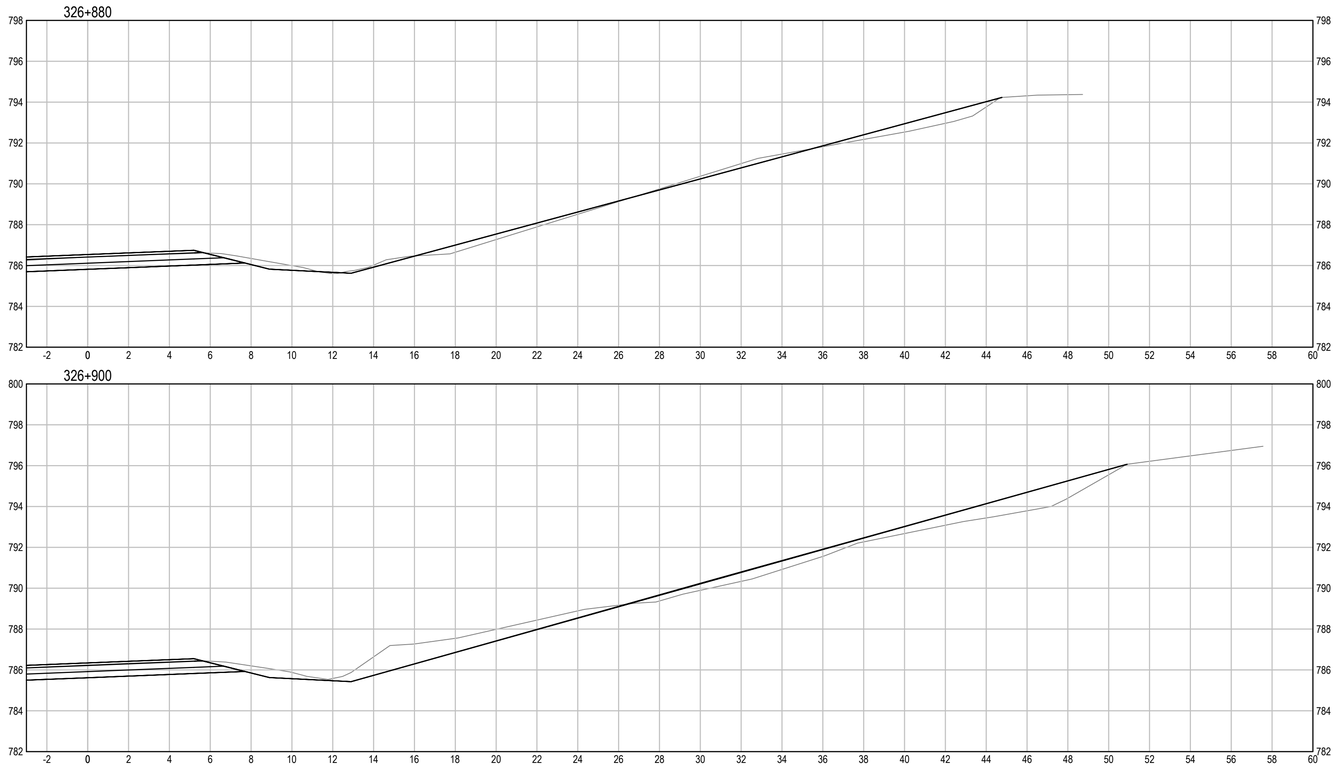

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PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA S. G. LI # 22760

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Drawn by/Dessine par
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A.TAHERI

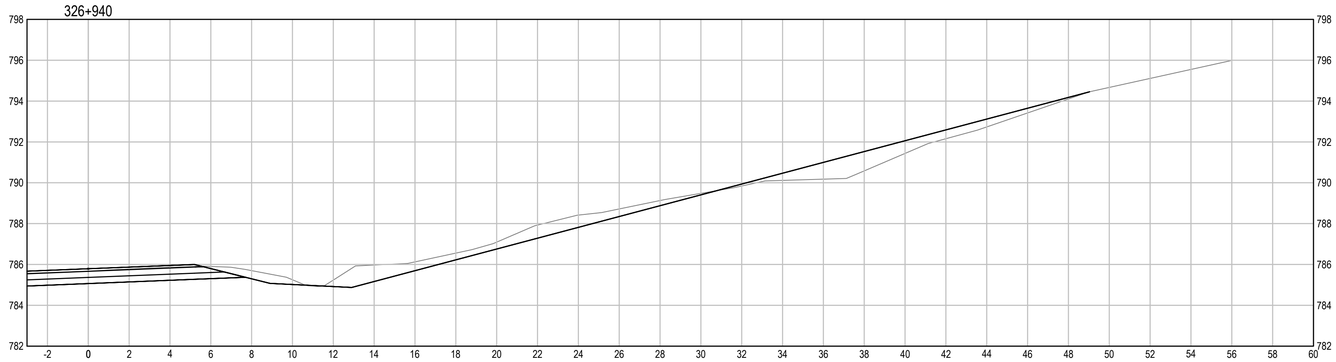
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

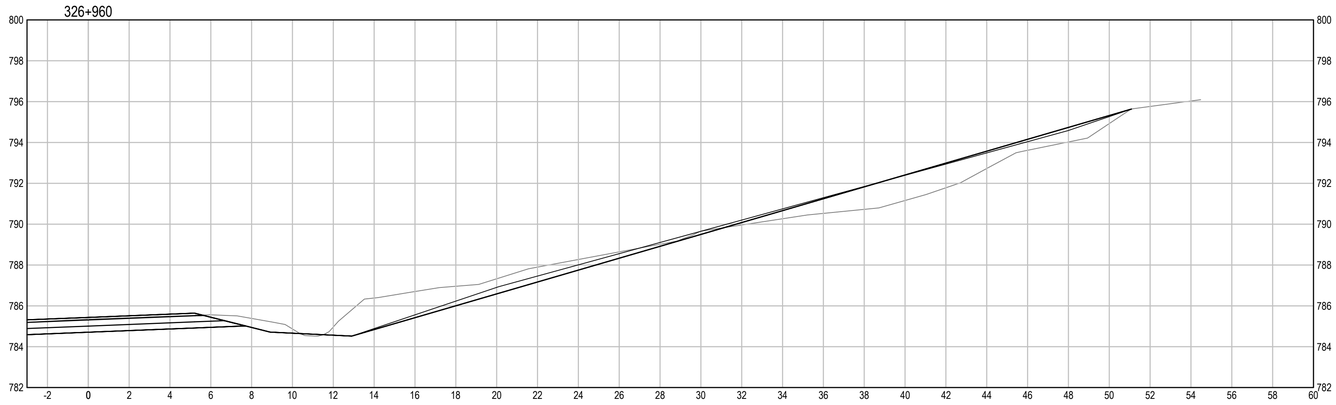
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

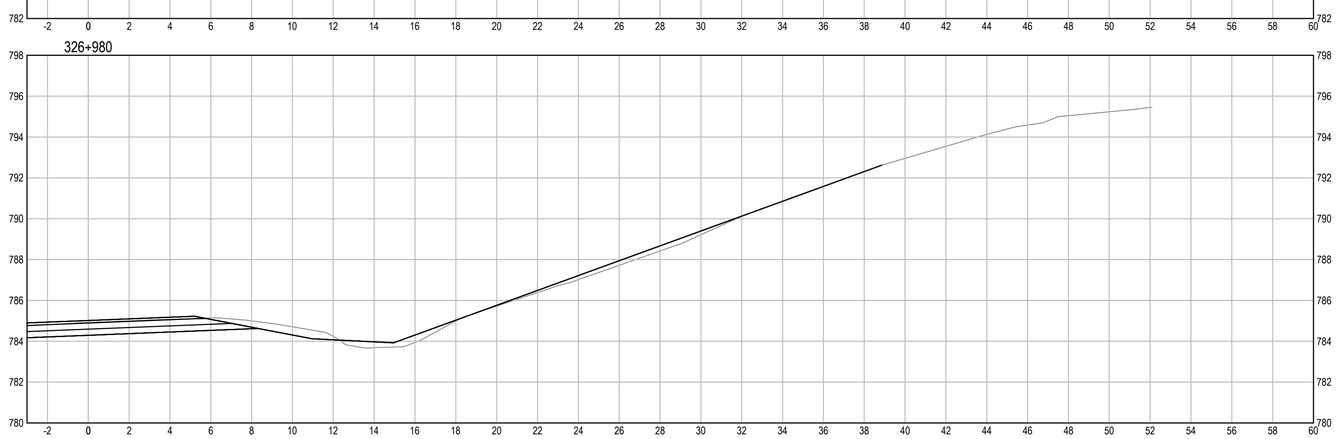
Drawing title/Titre du dessin

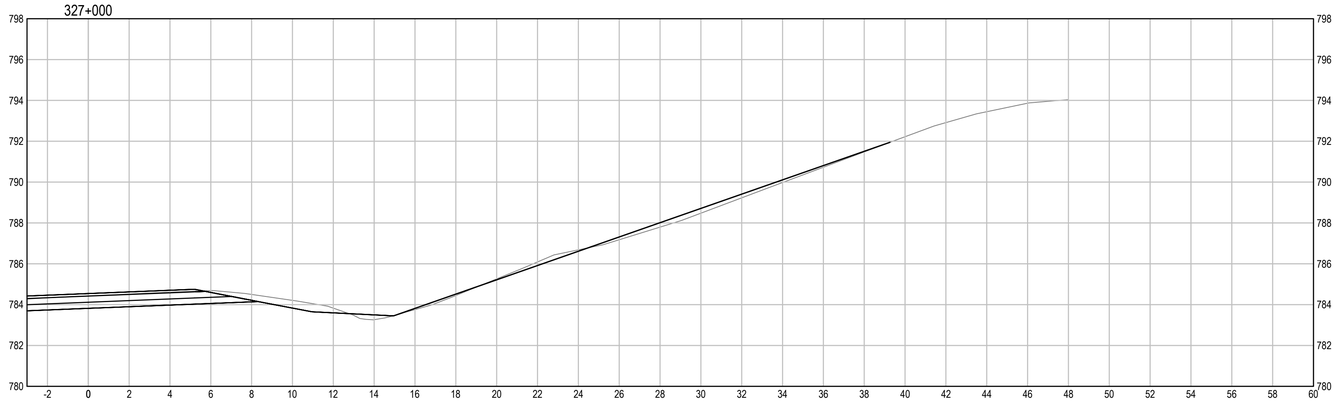
KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1602	1









Public Services and Procurement Canada
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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHUANG LI
22760

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

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Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1603	1

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PWGSC – A1 – 841x594

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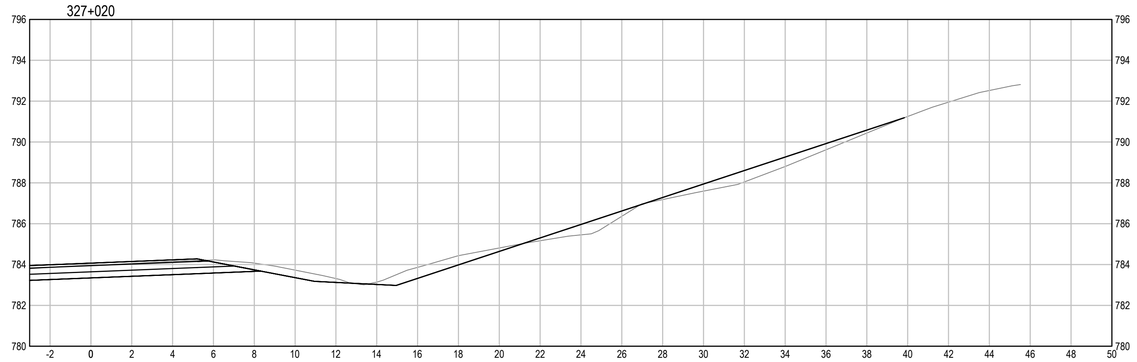

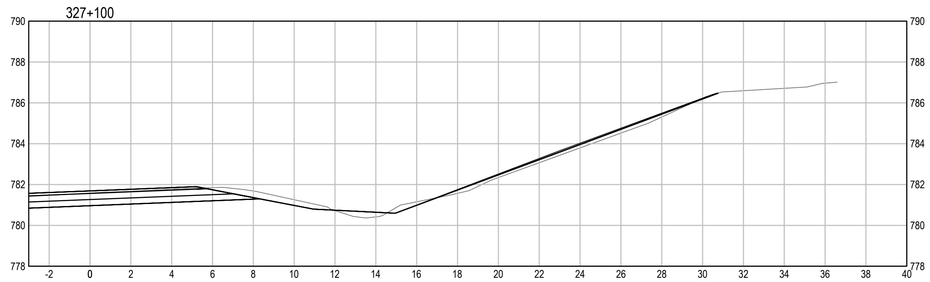

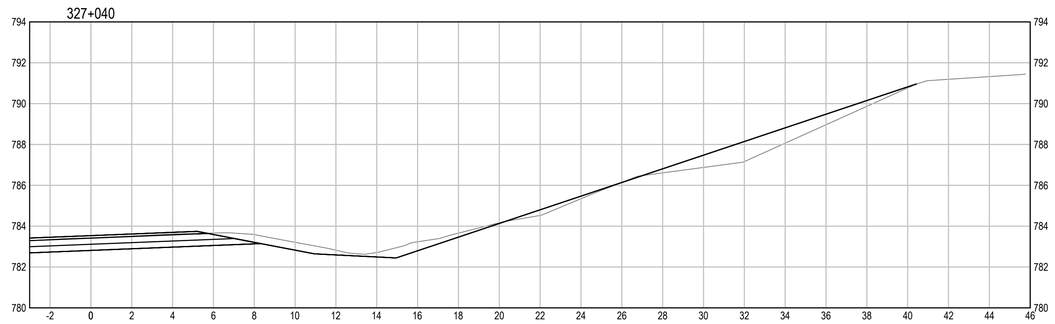

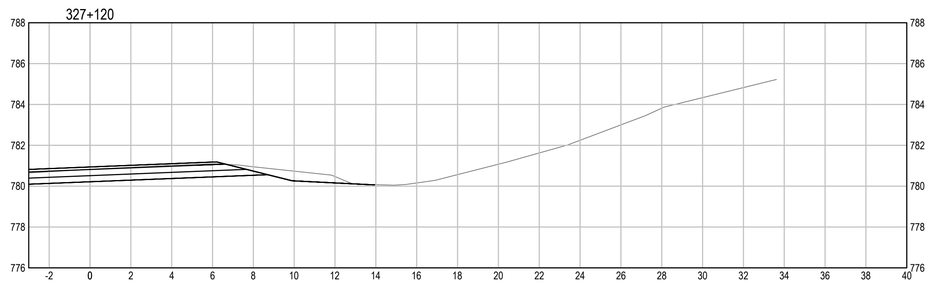

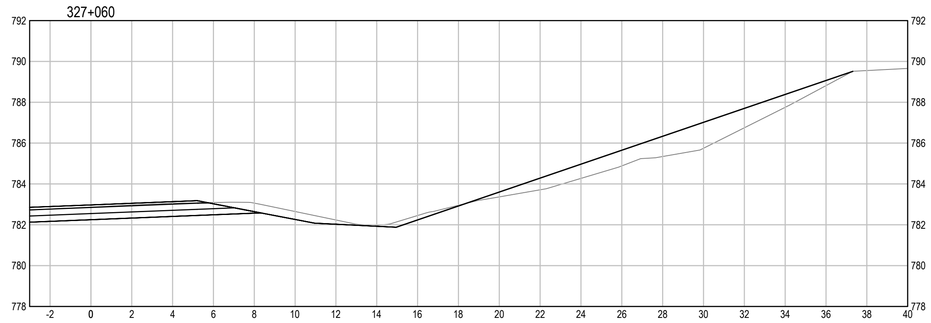

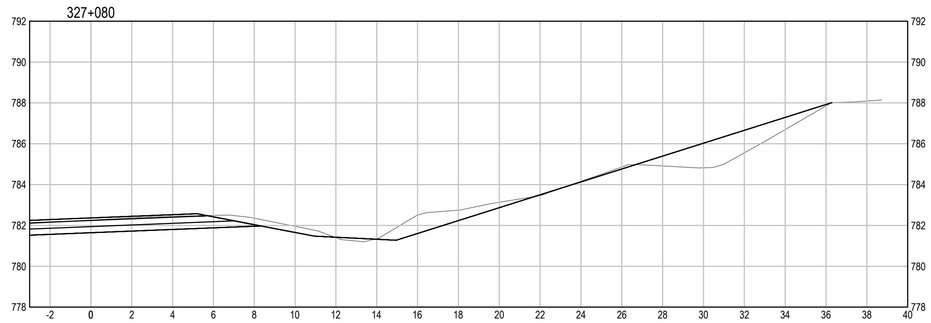

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
22760
ALEXANDER LI
ASSOCIATE

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 326.86 - KM 327.11 DITCH AND SLOPE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1604	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1601 C1621 C1631 KM 326.8 353.66 354 GEOTECH.dwg [C1604] May 11, 2021 - 3:02:29 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

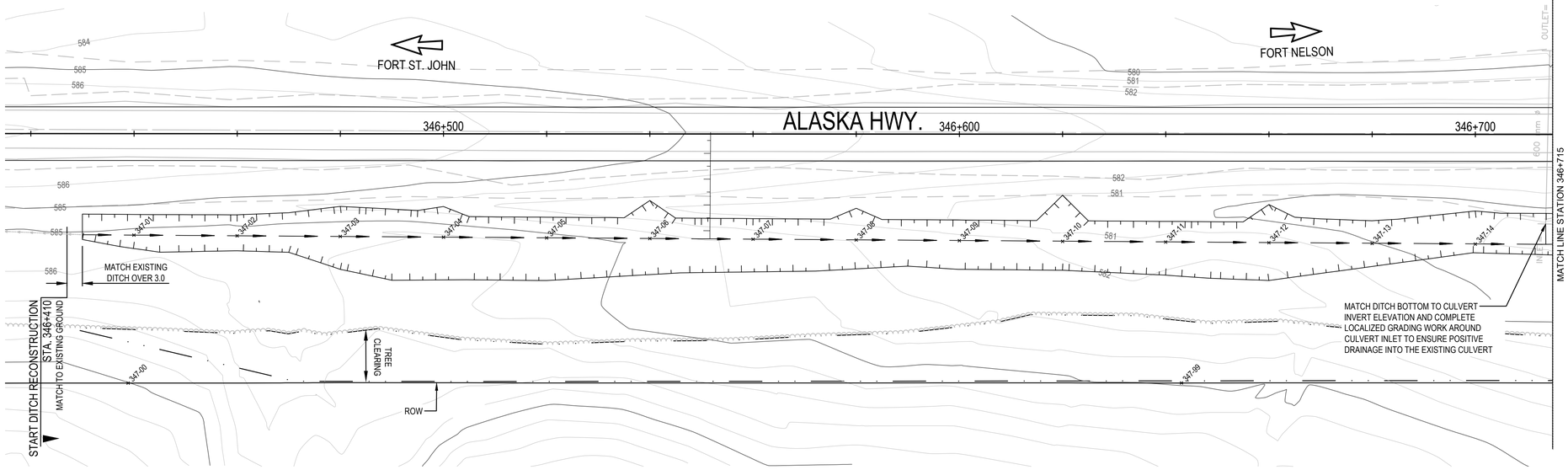
0 10 20 30 40 50 60 70 80 90 100mm

ESTIMATED CONSTRUCTION QUANTITIES KM 346+412 TO KM 346+715 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	2,460 m^3
TREE CLEARING	2,900 m^2

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-01	6,423,268.642	511,404.228	584.252	DITCHLINE
347-02	6,423,282.942	511,418.210	584.030	DITCHLINE
347-03	6,423,297.243	511,432.193	584.075	DITCHLINE
347-04	6,423,311.543	511,446.176	583.572	DITCHLINE
347-05	6,423,325.844	511,460.158	583.107	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-06	6,423,340.144	511,474.141	582.620	DITCHLINE
347-07	6,423,354.445	511,488.123	581.989	DITCHLINE
347-08	6,423,368.745	511,502.106	581.368	DITCHLINE
347-09	6,423,383.046	511,516.088	580.809	DITCHLINE
347-10	6,423,397.346	511,530.071	580.287	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-11	6,423,411.647	511,544.053	580.029	DITCHLINE
347-12	6,423,425.947	511,558.036	579.753	DITCHLINE
347-13	6,423,440.248	511,572.018	579.349	DITCHLINE
347-99	6,423,394.899	511,565.839	585.088	ROW
347-00	6,423,247.925	511,424.080	590.025	ROW

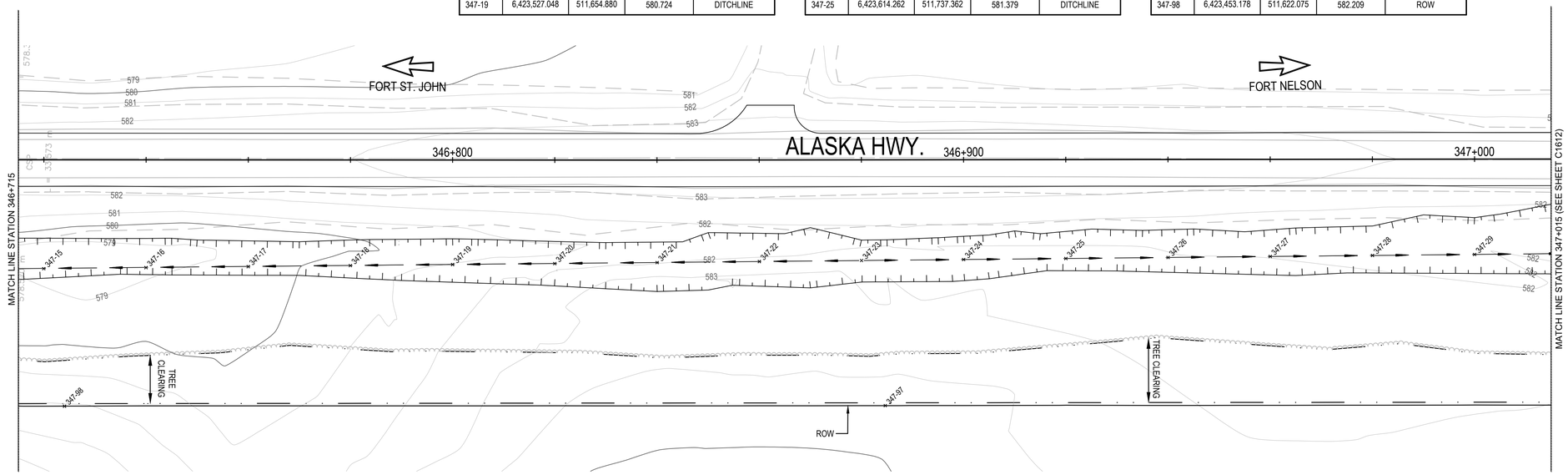


ESTIMATED CONSTRUCTION QUANTITIES 346+715 TO KM 347+015 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	970 m^3
TREE CLEARING	3,200m^2

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-14	6,423,454.548	511,586.001	578.757	DITCHLINE
347-15	6,423,468.922	511,599.908	578.711	DITCHLINE
347-16	6,423,483.454	511,613.651	578.803	DITCHLINE
347-17	6,423,497.985	511,627.394	578.937	DITCHLINE
347-18	6,423,512.517	511,641.137	579.435	DITCHLINE
347-19	6,423,527.048	511,654.880	580.724	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-20	6,423,541.580	511,668.624	581.159	DITCHLINE
347-21	6,423,556.136	511,682.390	581.346	DITCHLINE
347-22	6,423,570.668	511,696.133	581.507	DITCHLINE
347-23	6,423,585.199	511,709.876	581.498	DITCHLINE
347-24	6,423,599.730	511,723.619	581.478	DITCHLINE
347-25	6,423,614.262	511,737.362	581.379	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-26	6,423,628.793	511,751.105	581.274	DITCHLINE
347-27	6,423,643.324	511,764.848	581.137	DITCHLINE
347-28	6,423,657.856	511,778.591	581.000	DITCHLINE
347-29	6,423,672.387	511,792.334	580.862	DITCHLINE
347-97	6,423,568.855	511,733.506	584.356	ROW
347-98	6,423,453.178	511,622.075	582.209	ROW



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROV. OF B.C. — S. LI — # 22760

0 25
Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

PLAN
STA. 346+415 TO STA. 347+015

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1611	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1611 KM 346-348 GEOTECH.dwg [C1611] May 11, 2021 - 2:38:42 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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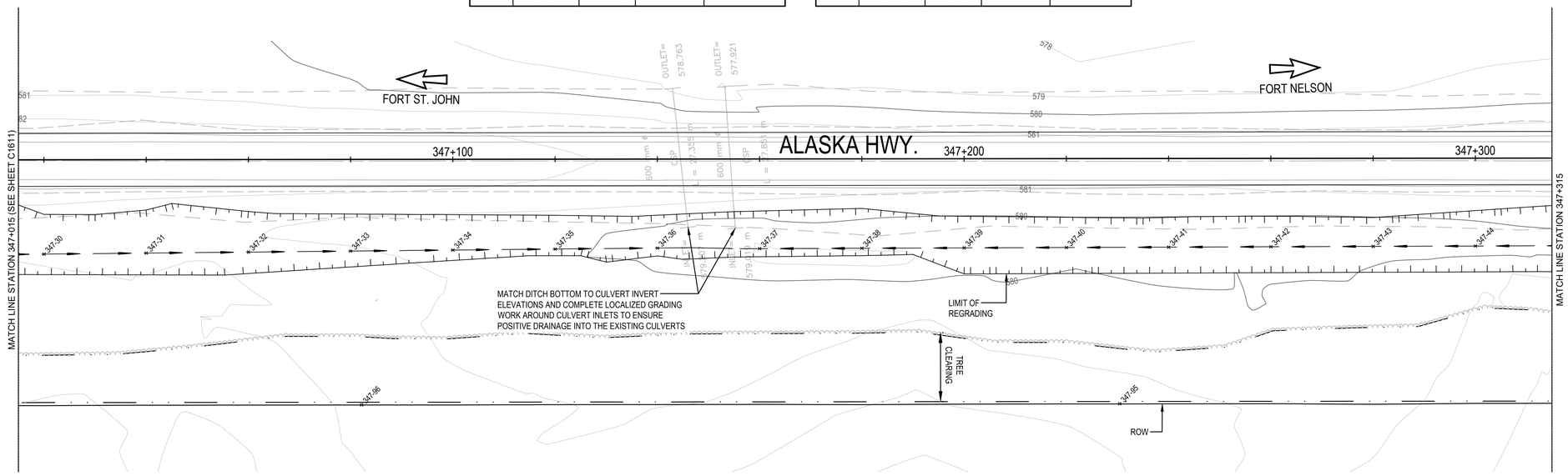
ESTIMATED CONSTRUCTION QUANTITIES KM 347+015 TO KM 347+315 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	750 m^3
TREE CLEARING	3,900 m^2

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-30	6,423,686.918	511,806.077	580.729	DITCHLINE
347-31	6,423,701.450	511,819.820	580.617	DITCHLINE
347-32	6,423,715.981	511,833.563	580.497	DITCHLINE
347-33	6,423,730.513	511,847.306	580.324	DITCHLINE
347-34	6,423,745.044	511,861.049	580.125	DITCHLINE
347-35	6,423,759.575	511,874.792	579.769	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-36	6,423,774.107	511,888.535	579.414	DITCHLINE
347-37	6,423,788.422	511,902.503	579.134	DITCHLINE
347-38	6,423,802.867	511,916.336	579.195	DITCHLINE
347-39	6,423,817.311	511,930.169	579.256	DITCHLINE
347-40	6,423,831.756	511,944.002	579.317	DITCHLINE
347-41	6,423,846.201	511,957.835	579.379	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-42	6,423,860.645	511,971.668	579.440	DITCHLINE
347-43	6,423,875.090	511,985.501	579.501	DITCHLINE
347-44	6,423,889.535	511,999.334	579.562	DITCHLINE
347-95	6,423,818.013	511,973.242	581.417	ROW
347-96	6,423,711.174	511,870.450	581.771	ROW

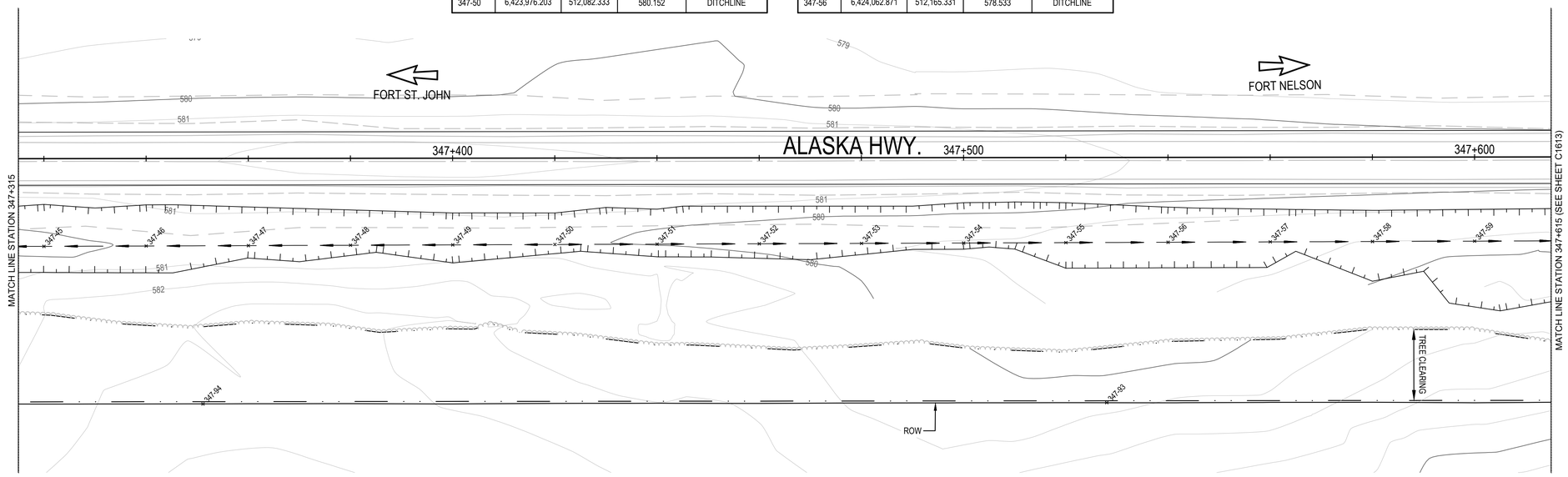


ESTIMATED CONSTRUCTION QUANTITIES KM 347+315 TO KM 347+615 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	875 m^3
TREE CLEARING	3,950 m^2

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-45	6,423,903.979	512,013.167	579.623	DITCHLINE
347-46	6,423,918.424	512,027.000	579.697	DITCHLINE
347-47	6,423,932.869	512,040.833	579.851	DITCHLINE
347-48	6,423,947.313	512,054.666	579.999	DITCHLINE
347-49	6,423,961.758	512,068.500	580.103	DITCHLINE
347-50	6,423,976.203	512,082.333	580.152	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-51	6,423,990.648	512,096.166	579.876	DITCHLINE
347-52	6,424,005.092	512,109.999	579.593	DITCHLINE
347-53	6,424,019.537	512,123.832	579.275	DITCHLINE
347-54	6,424,033.982	512,137.665	578.970	DITCHLINE
347-55	6,424,048.426	512,151.498	578.748	DITCHLINE
347-56	6,424,062.871	512,165.331	578.533	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-57	6,424,077.316	512,179.164	578.367	DITCHLINE
347-58	6,424,091.760	512,192.997	578.211	DITCHLINE
347-59	6,424,106.205	512,206.830	578.120	DITCHLINE
347-93	6,424,032.447	512,179.592	580.719	ROW
347-94	6,423,904.980	512,056.959	583.374	ROW



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROV. OF B.C. — # 22760

0 25
Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

PLAN
STA. 347+015 TO STA. 347+615

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1612	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1611 KM 346-348 GEOTECH.dwg [C1612] May 11, 2021 - 2:39:42 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

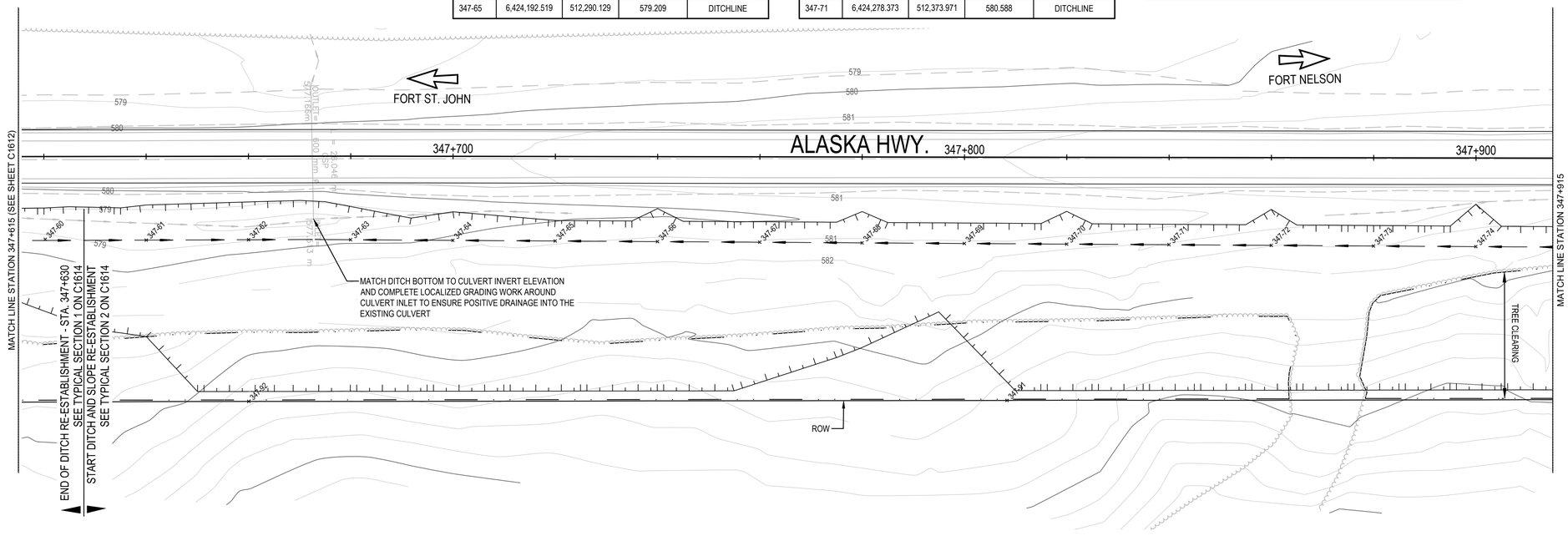
0 10 20 30 40 50 60 70 80 90 100mm

ESTIMATED CONSTRUCTION QUANTITIES KM 347+615 TO KM 347+915 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	8,150 m^3
TREE CLEARING	3,420 m^2
STRIPPING	1,850 m^3
TOPSOIL	1,850 m^3

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-60	6,424,120.997	512,220.663	578.029	DITCHLINE
347-61	6,424,135.094	512,234.496	577.865	DITCHLINE
347-62	6,424,149.539	512,248.329	577.711	DITCHLINE
347-63	6,424,163.901	512,262.182	577.966	DITCHLINE
347-64	6,424,178.210	512,276.156	578.853	DITCHLINE
347-65	6,424,192.519	512,290.129	579.209	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-66	6,424,206.828	512,304.103	579.539	DITCHLINE
347-67	6,424,221.137	512,318.077	579.689	DITCHLINE
347-68	6,424,235.446	512,332.050	579.848	DITCHLINE
347-69	6,424,249.755	512,346.024	580.079	DITCHLINE
347-70	6,424,264.064	512,359.997	580.315	DITCHLINE
347-71	6,424,278.373	512,373.971	580.588	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-72	6,424,292.682	512,387.945	580.852	DITCHLINE
347-73	6,424,306.991	512,401.918	581.054	DITCHLINE
347-74	6,424,321.300	512,415.892	581.244	DITCHLINE
347-91	6,424,234.471	512,373.885	587.398	ROW
347-92	6,424,127.632	512,271.094	586.828	ROW

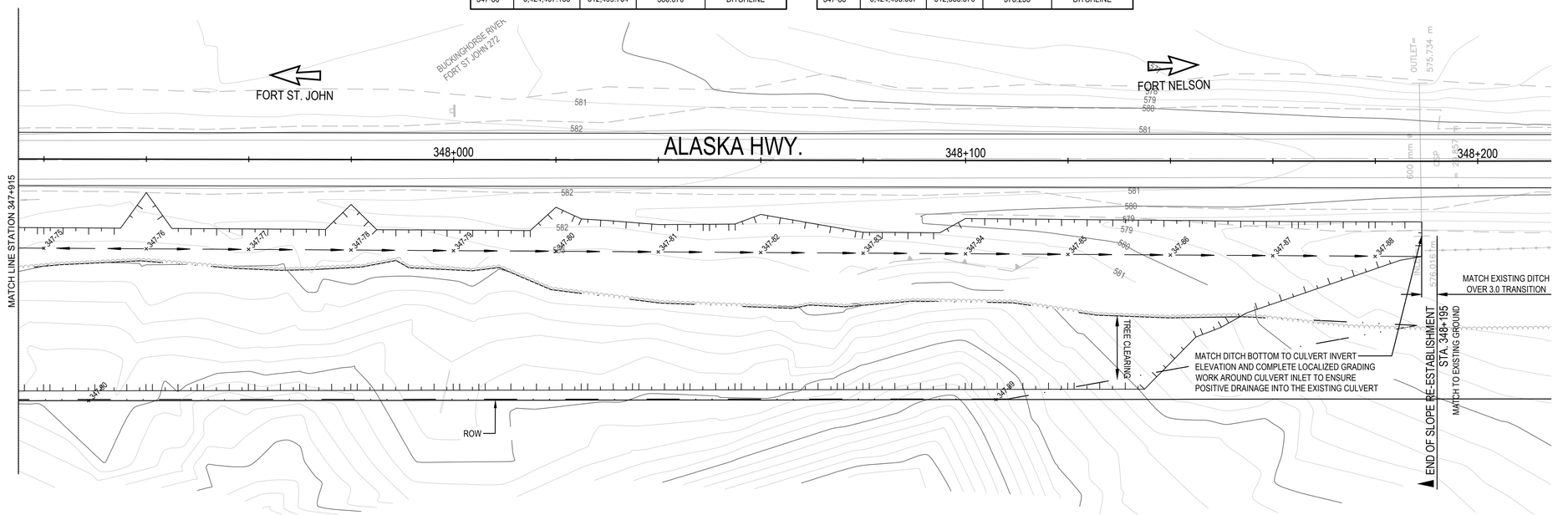


ESTIMATED CONSTRUCTION QUANTITIES KM 347+915 TO KM 348+195 (FOR REFERENCE ONLY)	
MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	10,200 m^3
TREE CLEARING	5,700 m^2
STRIPPING	1,600 m^3
TOPSOIL	1,600 m^3

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-75	6,424,335.609	512,429.866	581.344	DITCHLINE
347-76	6,424,349.918	512,443.839	581.420	DITCHLINE
347-77	6,424,364.226	512,457.813	581.329	DITCHLINE
347-78	6,424,378.535	512,471.787	581.214	DITCHLINE
347-79	6,424,392.844	512,485.760	580.942	DITCHLINE
347-80	6,424,407.153	512,499.734	580.670	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-81	6,424,421.462	512,513.707	580.404	DITCHLINE
347-82	6,424,435.771	512,527.681	580.123	DITCHLINE
347-83	6,424,450.080	512,541.655	579.733	DITCHLINE
347-84	6,424,464.389	512,555.628	579.328	DITCHLINE
347-85	6,424,478.698	512,569.602	578.823	DITCHLINE
347-86	6,424,493.007	512,583.576	578.253	DITCHLINE

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
347-87	6,424,507.316	512,597.549	577.242	DITCHLINE
347-88	6,424,521.625	512,611.523	576.306	DITCHLINE
347-89	6,424,448.905	512,580.236	591.703	ROW
347-90	6,424,321.229	512,457.369	589.339	ROW



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER PROV. OF B.C. S. G. LI # 22760 — 2021/05/11

0 25
Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 346 - KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

PLAN STA. 347+615 TO STA. 348+190

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1613	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1611 KM 346-348 GEOTECH.dwg [C1613] May 11, 2021 - 2:40:44 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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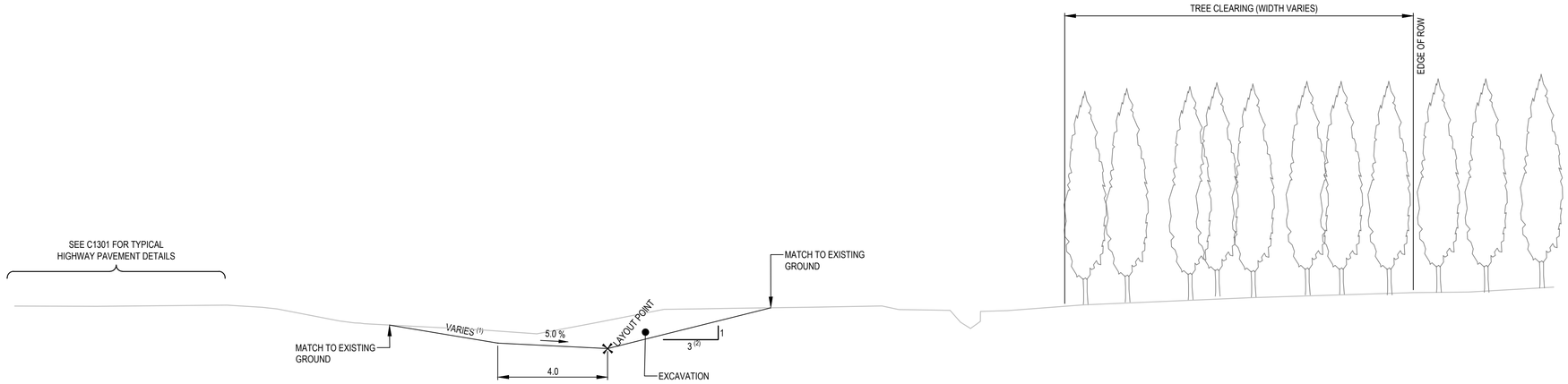


TYPICAL SECTION - DITCH RE-ESTABLISHMENT
STA. 346+410 TO STA. 347+630
1:100

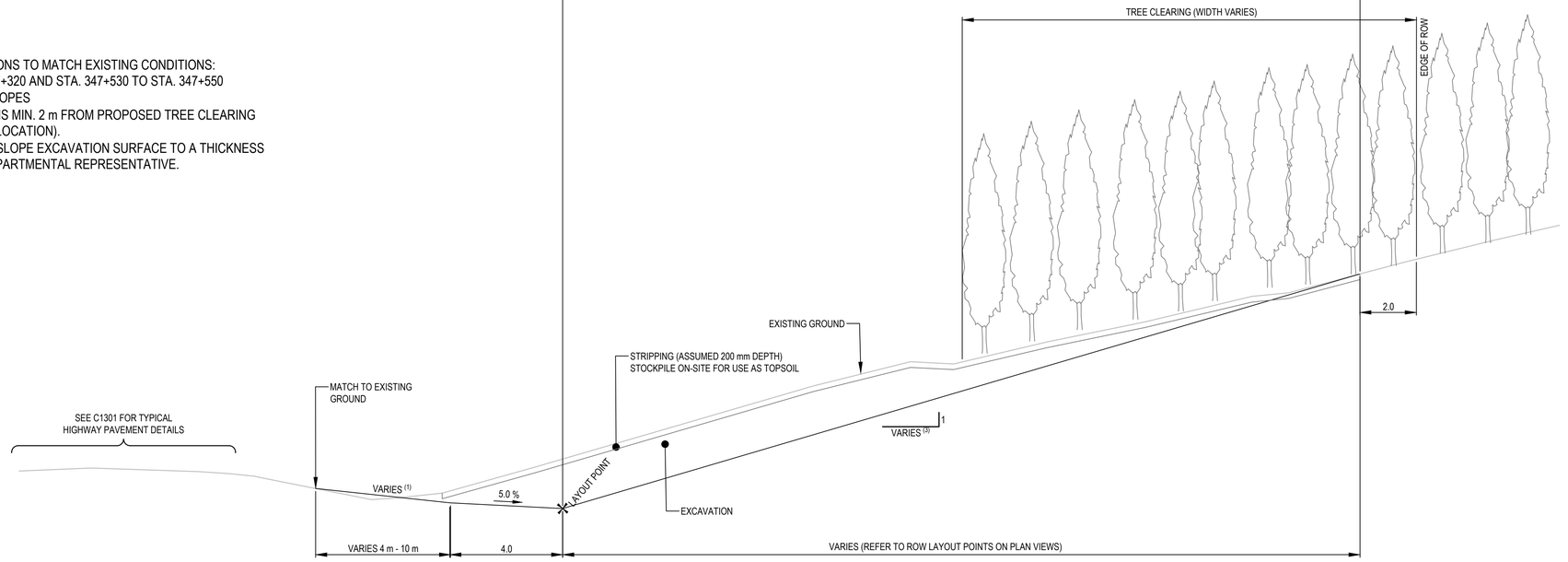
NOTES:

(1) SLOPE VARIES TO TIE INTO EXISTING EMBANKMENT. TRANSITION SLOPES OVER MIN. 10 m.
- STA. 346+460 TO STA. 347+110 - 6:1
- STA. 347+120 TO STA. 347+200 - 3:1
- STA. 347+210 TO STA. 347+310 - 5:1
- STA. 347+320 TO STA. 347+480 - 4:1
- STA. 347+490 TO STA. 347+680 - 3:1
- STA. 347+690 TO STA. 348-195 - 10:1

(2) SLOPE VARIES FROM 3H:1V IN SELECT LOCATIONS TO MATCH EXISTING CONDITIONS: 5H:1V - 10H:1V FROM STA. 347+170 TO STA. 347+320 AND STA. 347+530 TO STA. 347+550 REFER TO CROSS SECTIONS FOR APPROX. SLOPES

(3) SLOPE VARIES TO ENSURE LIMIT OF GRADING IS MIN. 2 m FROM PROPOSED TREE CLEARING LIMIT/ROW (REFER TO LAYOUT TABLE FOR ROW LOCATION).

(4) SPREAD STRIPPED MATERIAL AS TOPSOIL ON SLOPE EXCAVATION SURFACE TO A THICKNESS OF 200 mm IN LOCATIONS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.



TYPICAL SECTION - DITCH AND SLOPE RE-ESTABLISHMENT
STA. 347+630 TO STA. 348+195
1:100

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
1. DIMENSIONS, COORDINATES, ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE
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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760 — S.G. LI

0 5
Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

TYPICAL SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1614	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1611 KM 346-348 GEOTECH.dwg [C1614] May 11, 2021 - 2:41:11 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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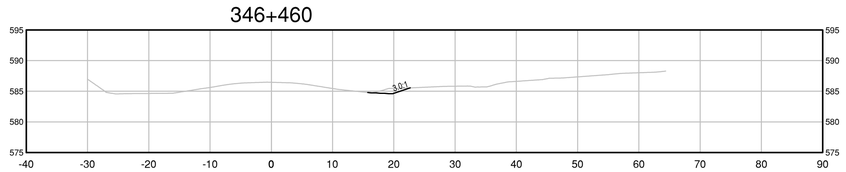

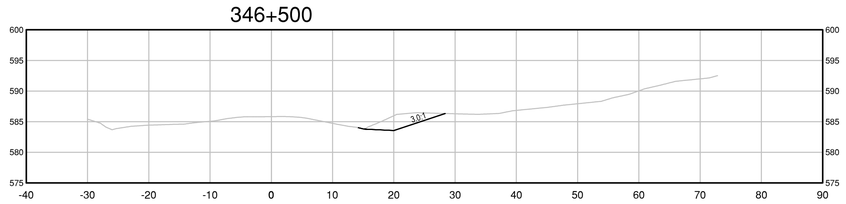

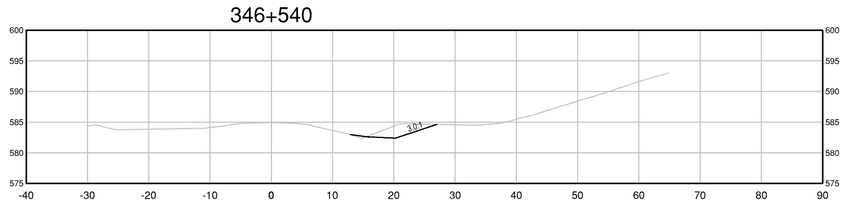

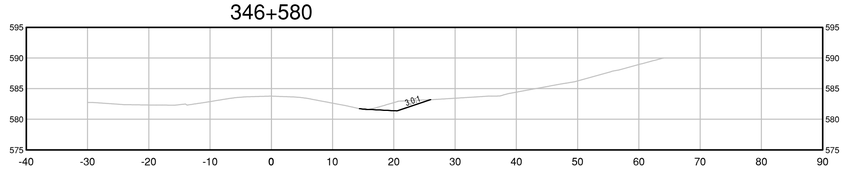

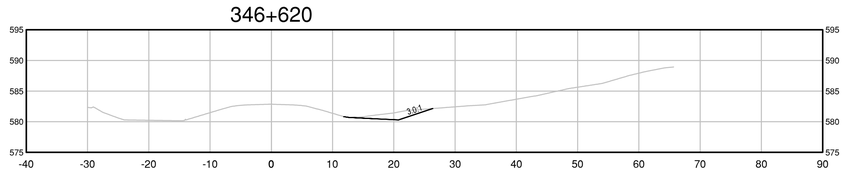

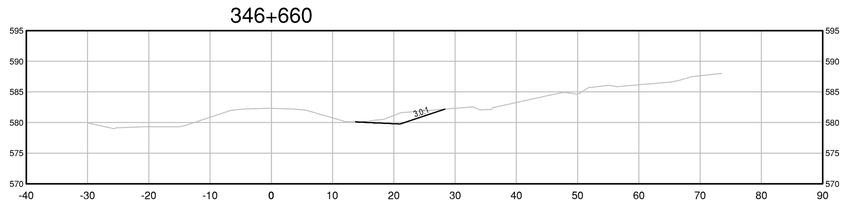

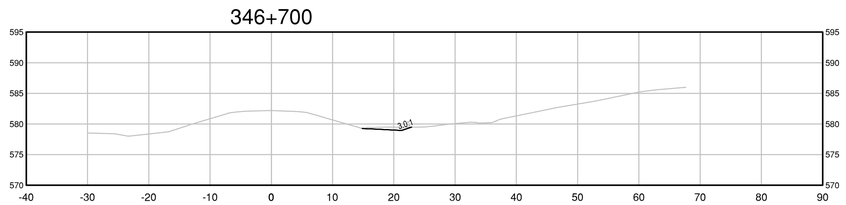

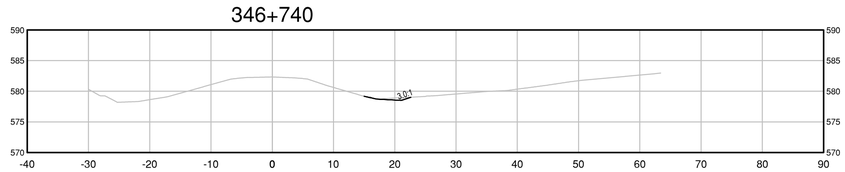

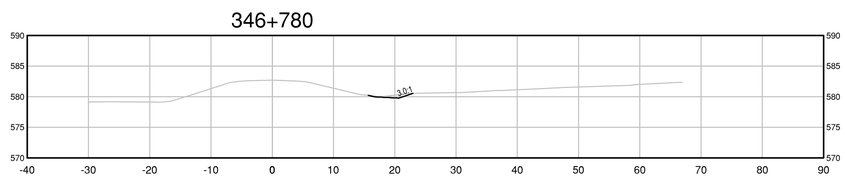

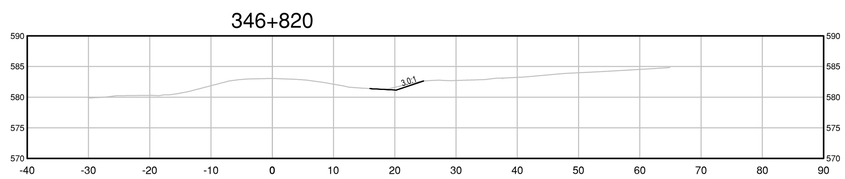

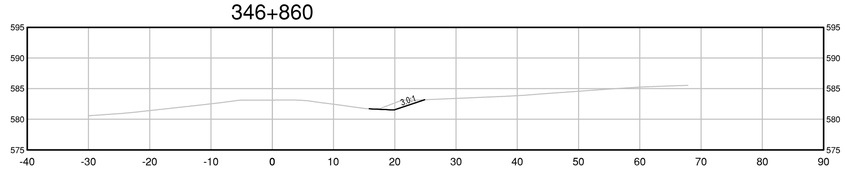

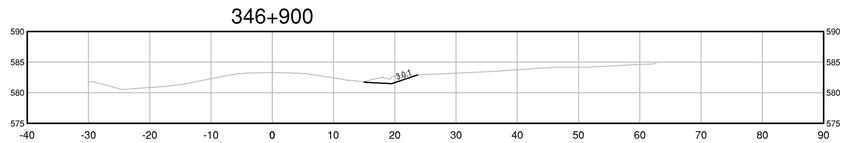

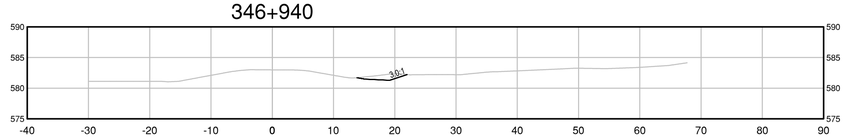

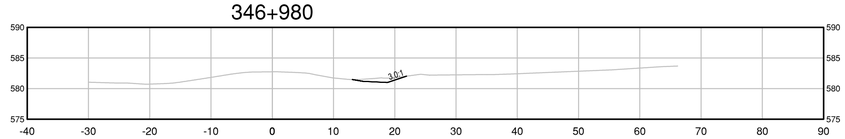

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROV. OF B.C. — ALEX G. LI — # 22760 — BRITISH COLUMBIA — 2021

Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1615	1

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PWGSC – A1 – 841x594

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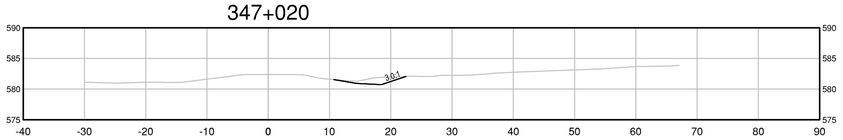

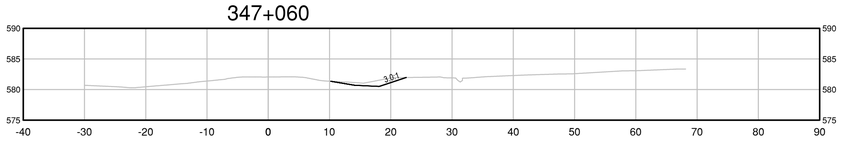

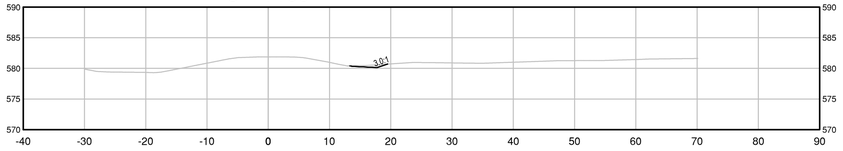

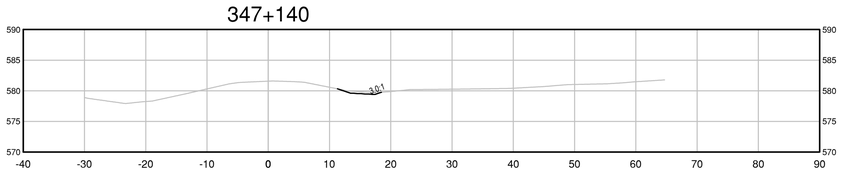

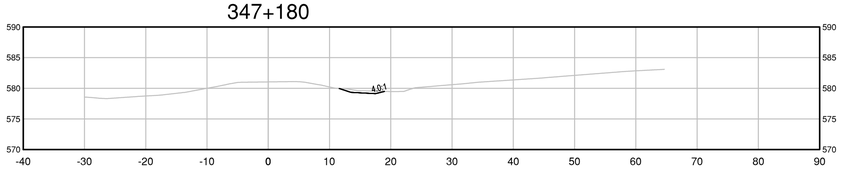

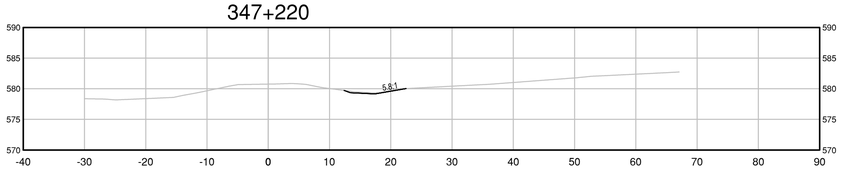

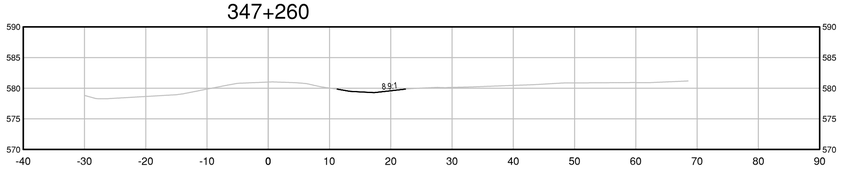

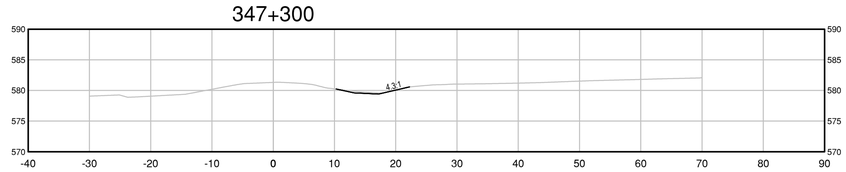

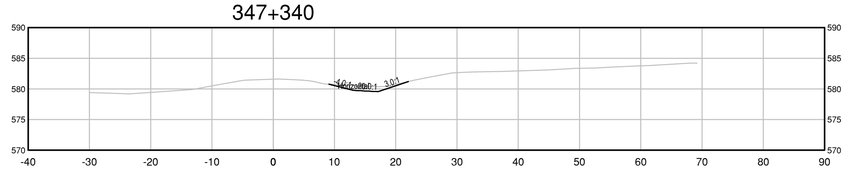

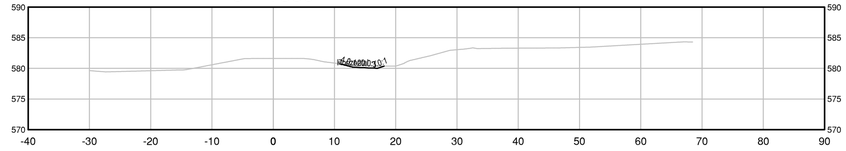

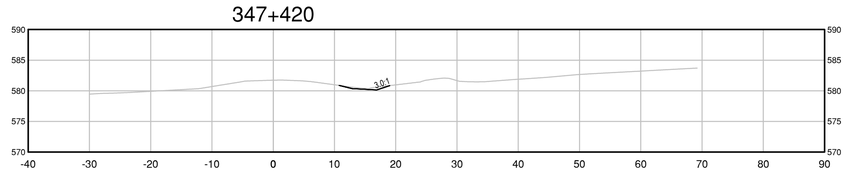

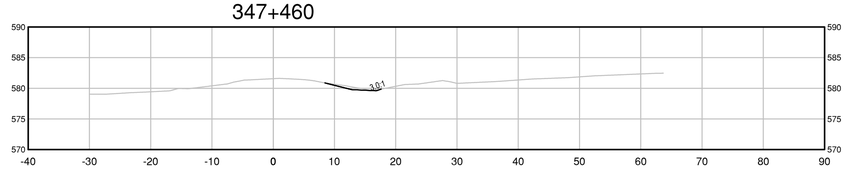

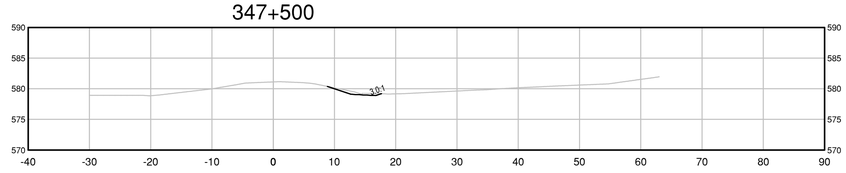

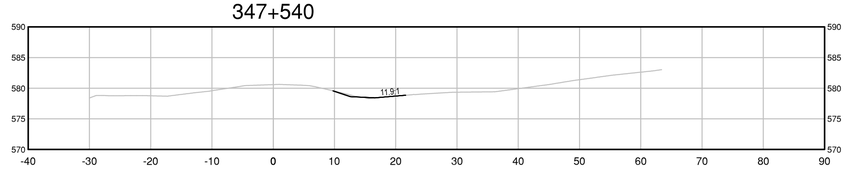

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. G. LI
22760

0 25
Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Designed by/Concept par
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Drawn by/Dessine par
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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1616	1

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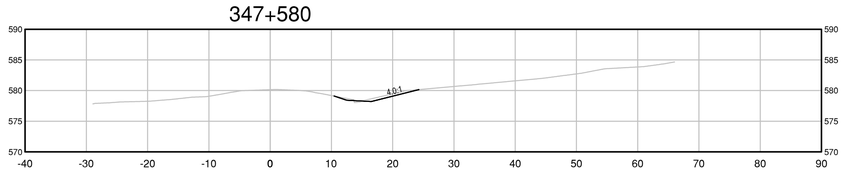

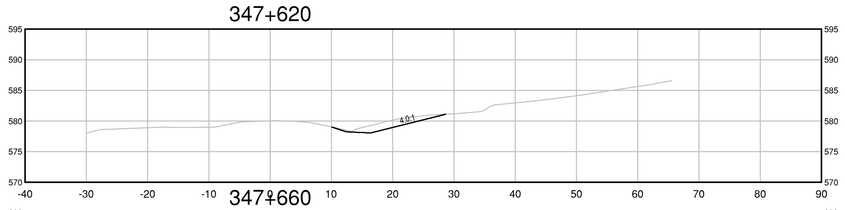

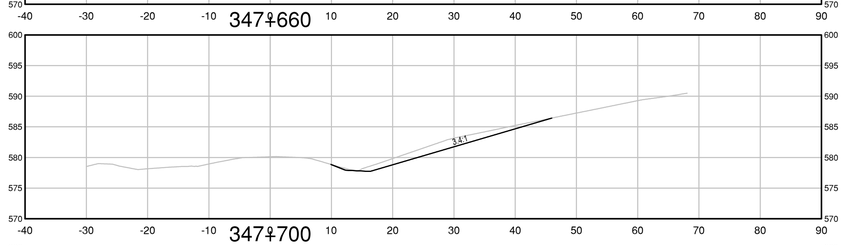

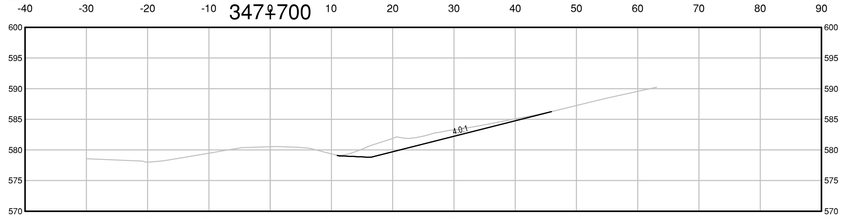

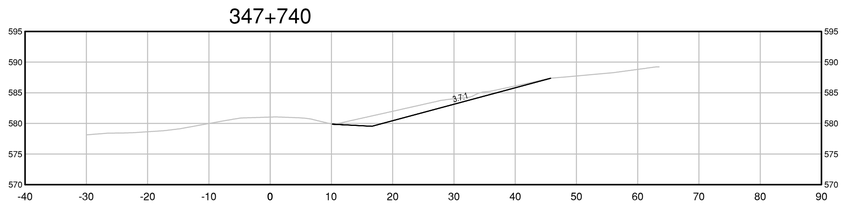

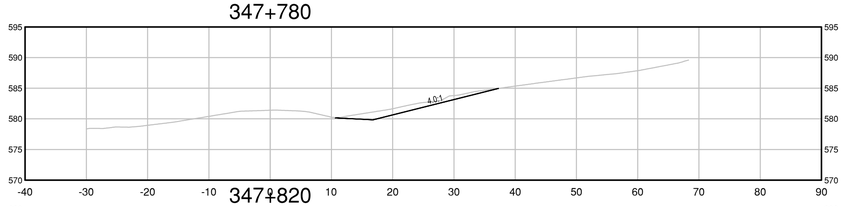

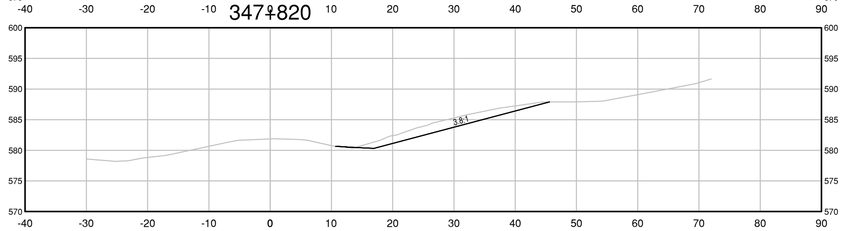

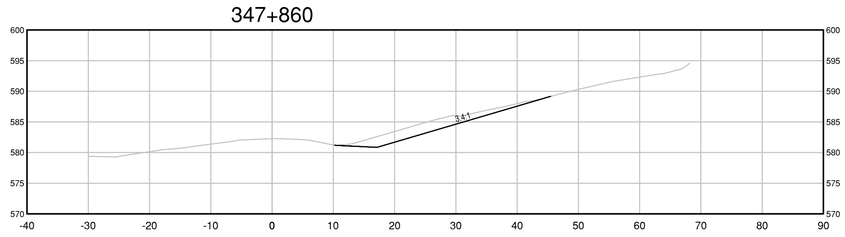

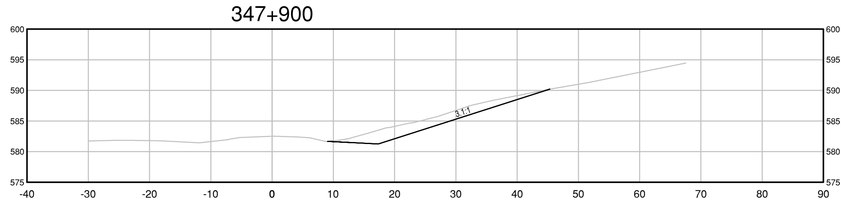

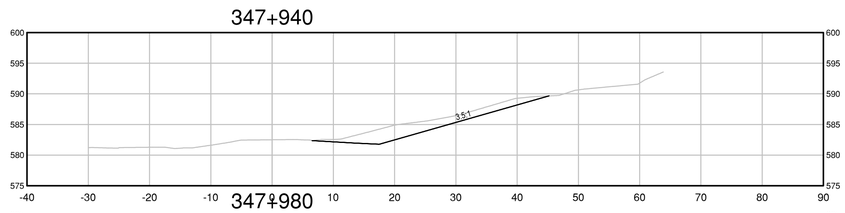

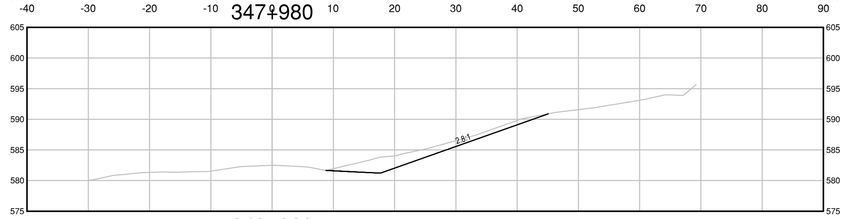

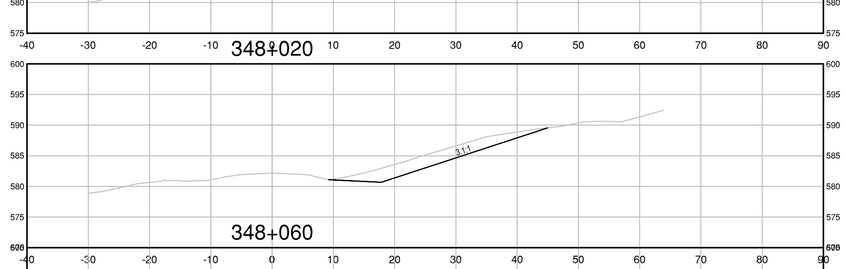

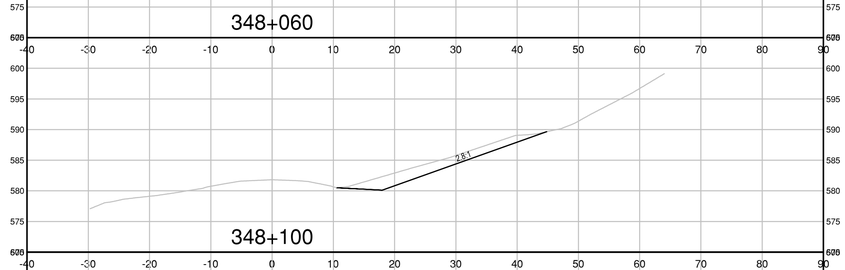

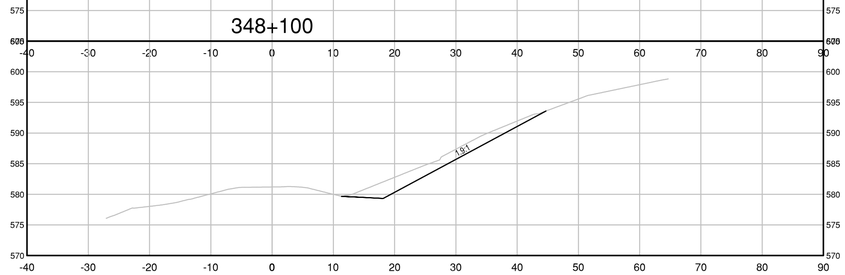

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. G. LI — # 22760

0 25
Scale: 1: 500 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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PSPC Project Manager/Administrateur de Projets TPSGC
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PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 346 - KM 348 TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	**C1617**	**1**

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PWGSC – A1 – 841x594

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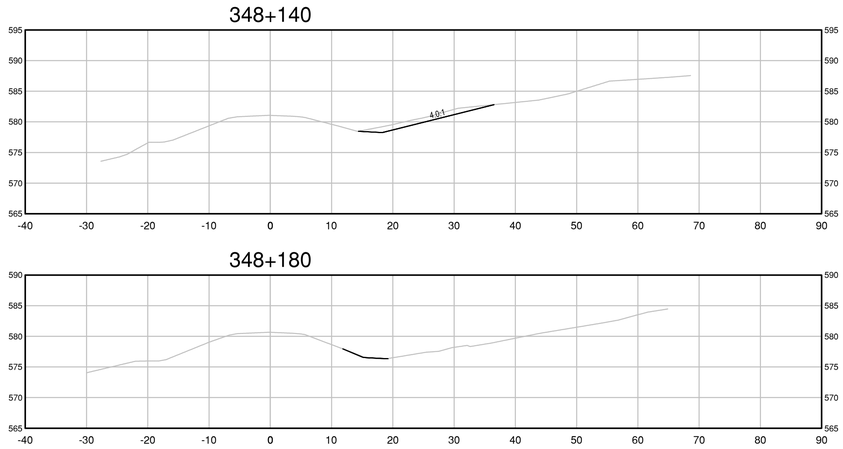

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PROFESSIONAL ENGINEER — PROV. OF B.C. — SHUNXIANG G. LI — # 22760

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Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 346 - KM 348
TREE CLEARING, DITCH, AND SLOPE RE-ESTABLISHMENT

CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1618	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1611 KM 346-348 GEOTECH.dwg [C1618] May 11, 2021 - 2:42:45 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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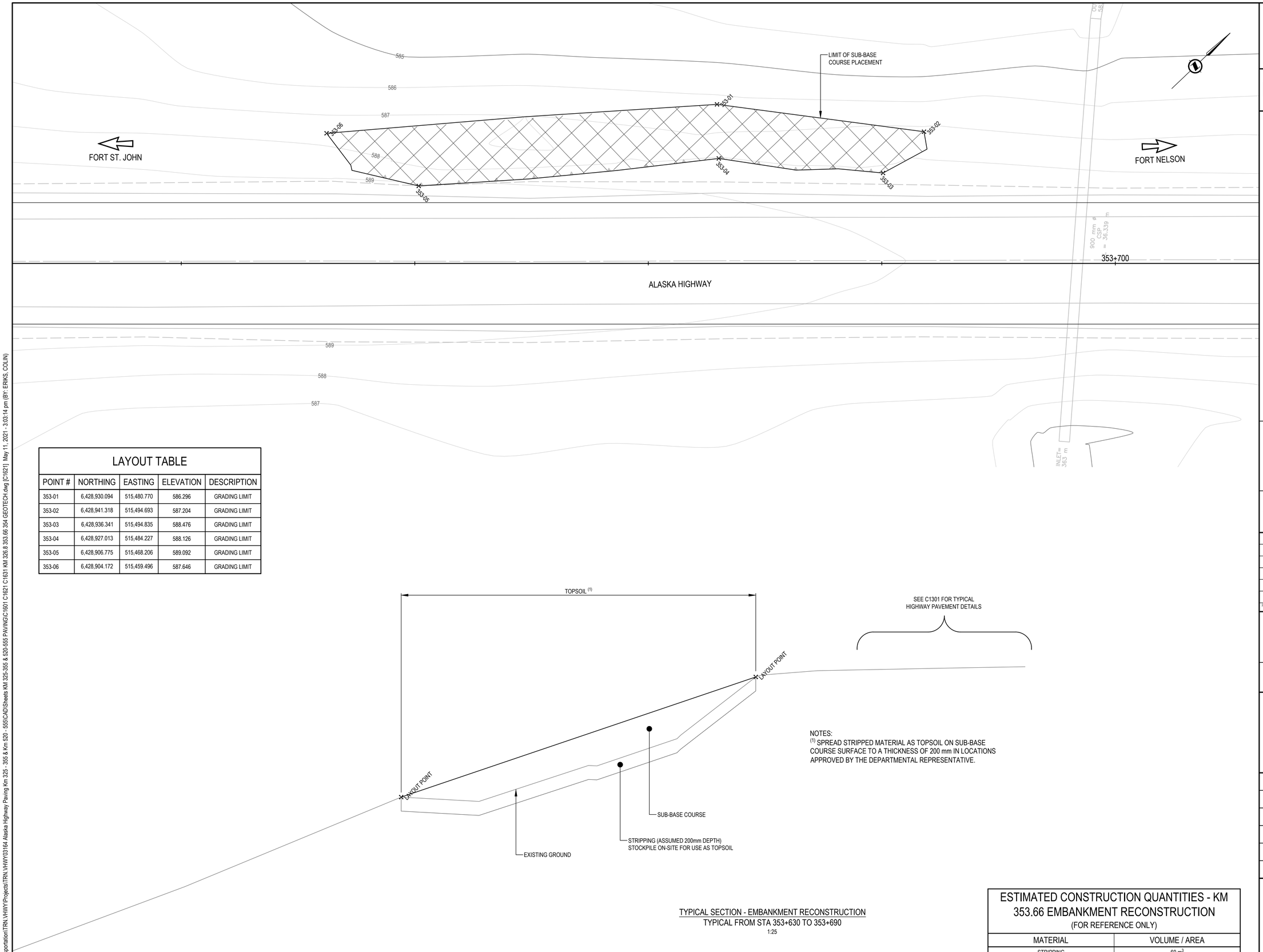

LAYOUT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
353-01	6,428,930.094	515,480.770	586.296	GRADING LIMIT
353-02	6,428,941.318	515,494.693	587.204	GRADING LIMIT
353-03	6,428,936.341	515,494.835	588.476	GRADING LIMIT
353-04	6,428,927.013	515,484.227	588.126	GRADING LIMIT
353-05	6,428,906.775	515,468.206	589.092	GRADING LIMIT
353-06	6,428,904.172	515,459.496	587.646	GRADING LIMIT

NOTES:
(1) SPREAD STRIPPED MATERIAL AS TOPSOIL ON SUB-BASE COURSE SURFACE TO A THICKNESS OF 200 mm IN LOCATIONS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.

TYPICAL SECTION - EMBANKMENT RECONSTRUCTION
TYPICAL FROM STA 353+630 TO 353+690
1:25

ESTIMATED CONSTRUCTION QUANTITIES - KM 353.66 EMBANKMENT RECONSTRUCTION
(FOR REFERENCE ONLY)

MATERIAL	VOLUME / AREA
STRIPPING	60 m^3
SUB-BASE COURSE	130 m^3
TOPSOIL	60 m^3

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHAWN LI — # 22760

0 10 Plan Scale: 1: 250 (metres)
0 1 Typical Scale: 1: 25 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
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Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 353.66 EMBANKMENT RECONSTRUCTION PLAN / TYPICAL SECTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1621	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1601 C1621 C1631 KM 326.8 353.66 354 GEOTECH.dwg [C1621] May 11, 2021 - 3:03:14 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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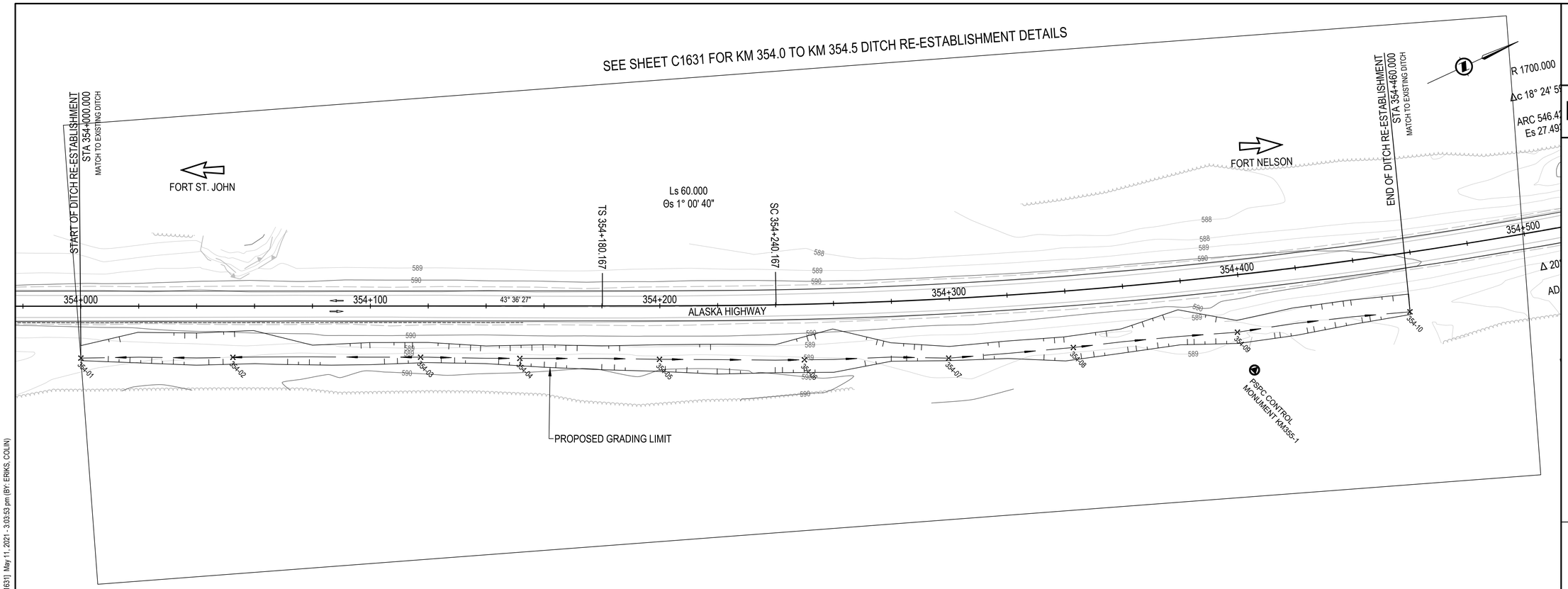
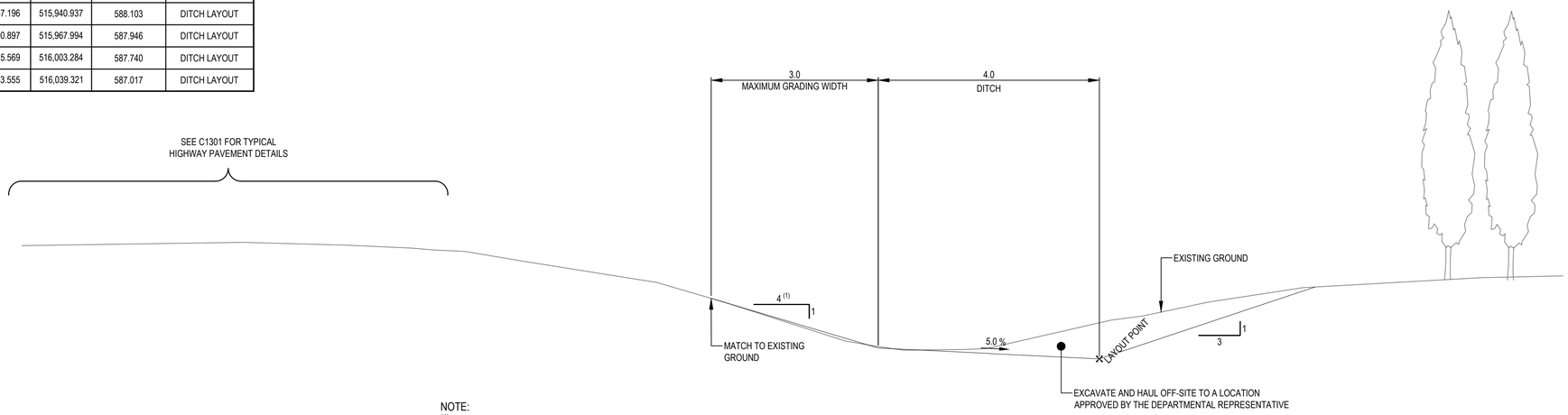
SEE SHEET C1631 FOR KM 354.0 TO KM 354.5 DITCH RE-ESTABLISHMENT DETAILS



LAYOUT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
354-01	6,429,150.267	515,734.059	588.223	DITCH LAYOUT
354-02	6,429,188.454	515,770.105	588.614	DITCH LAYOUT
354-03	6,429,235.408	515,814.811	588.863	DITCH LAYOUT
354-04	6,429,259.933	515,838.772	588.778	DITCH LAYOUT
354-05	6,429,294.623	515,872.296	588.637	DITCH LAYOUT
354-06	6,429,330.731	515,906.948	588.450	DITCH LAYOUT
354-07	6,429,367.196	515,940.937	588.103	DITCH LAYOUT
354-08	6,429,400.897	515,967.994	587.946	DITCH LAYOUT
354-09	6,429,445.569	516,003.284	587.740	DITCH LAYOUT
354-10	6,429,493.555	516,039.321	587.017	DITCH LAYOUT



NOTE:
(1) STEEPEN SLOPE TO 3H:1V FROM STA.354+360 TO STA. 354+400. TRANSITION FROM 4H:1V TO 3H:1V OVER MIN. 10 m.

TYPICAL DITCH RE-ESTABLISHMENT
TYPICAL FROM STA 354+000 TO 354+460
1:50

ESTIMATED CONSTRUCTION QUANTITIES
KM 354.0 - KM 354.6 DITCH RE-ESTABLISHMENT
(FOR REFERENCE ONLY)

MATERIAL	VOLUME / AREA
EXCAVATION FOR OFF-SITE DISPOSAL	875 m^3

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

0 25 0 2.5
Plan Scale: 1: 750 (metres) Section Scale: 1: 50 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 354.0 TO KM 354.6 DITCH RE-ESTABLISHMENT PLAN / TYPICAL SECTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1631	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1601 C1621 C1631 KM 326 & 353.66 354 GEOTECH.dwg [C1631] May 11, 2021 - 3:03:53 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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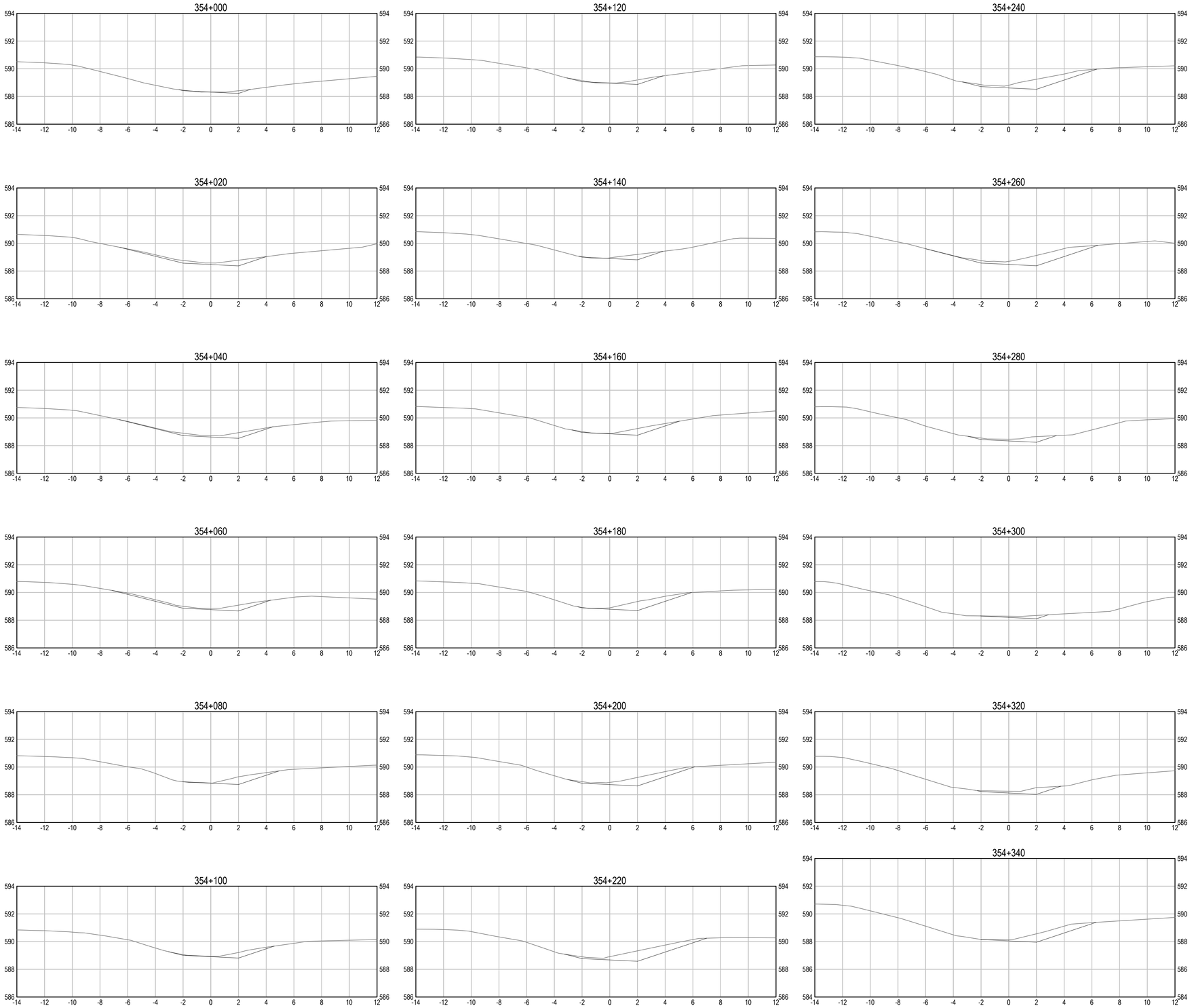

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PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHUANG LI
22760

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

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Drawn by/Dessine par
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A.TAHERI

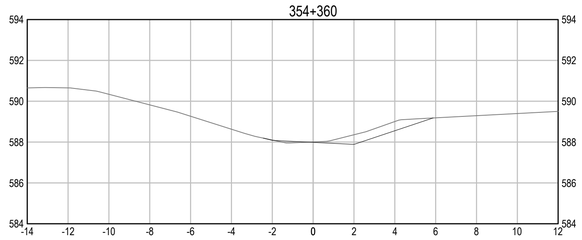
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

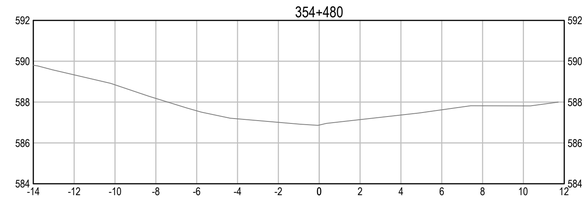
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

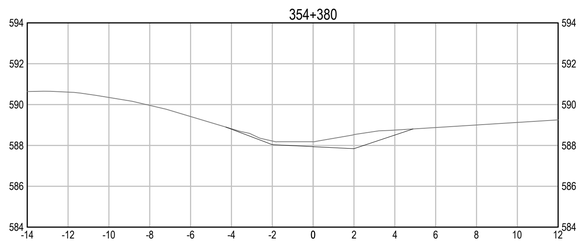
Drawing title/Titre du dessin

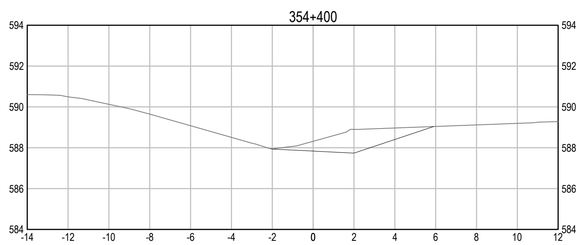
KM 354.0 - KM 354.6 DITCH RE-ESTABLISHMENT CROSS SECTIONS

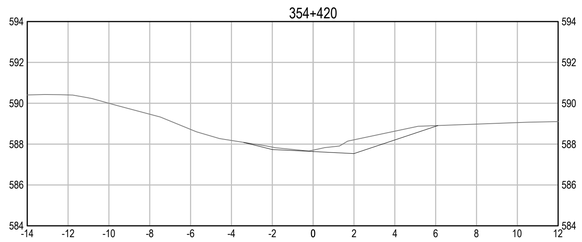
Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1632	1

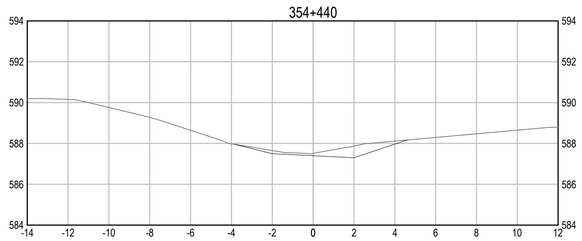


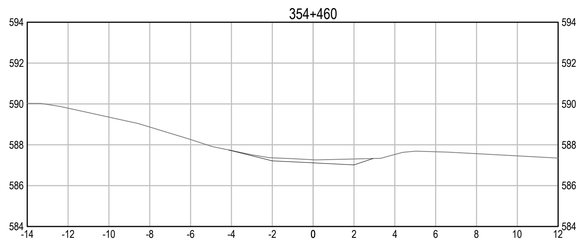












Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. LI
22760
ENGINEER

0 5
Scale: 1: 150 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

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S.LI

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Drawn by/Dessine par
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A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 354.0 - KM 354.6 DITCH RE-ESTABLISHMENT CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1633	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1601 C1621 C1631 KM 326.8 353.66 354 GEOTECH.dwg [C1633] May 11, 2021 - 3:04:27 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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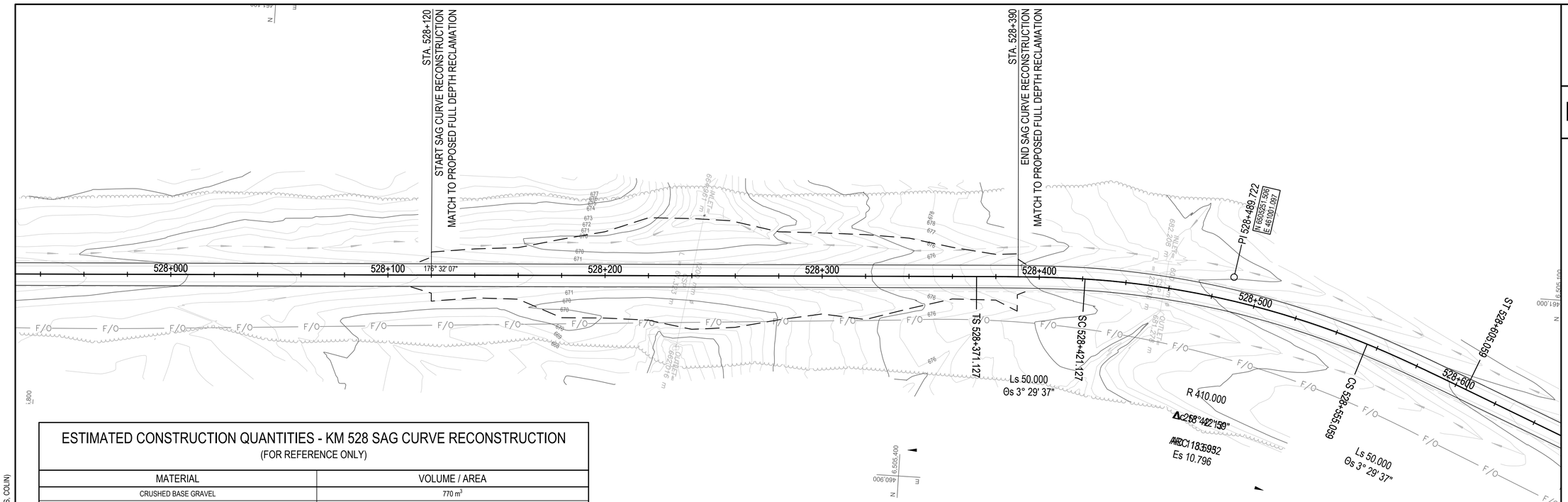
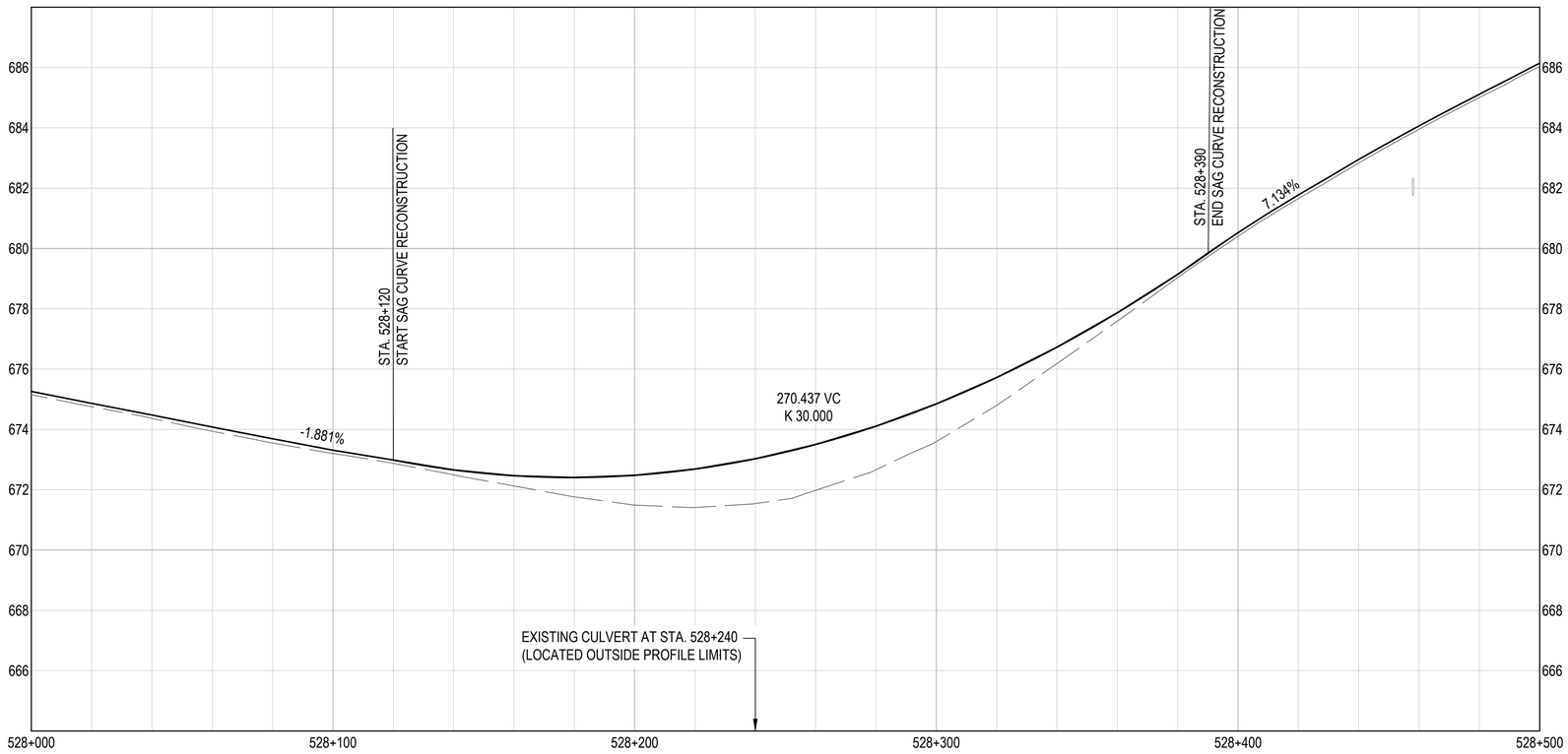


ESTIMATED CONSTRUCTION QUANTITIES - KM 528 SAG CURVE RECONSTRUCTION

(FOR REFERENCE ONLY)

MATERIAL	VOLUME / AREA
CRUSHED BASE GRAVEL	770 m^3
SUB-BASE COURSE	930 m^3
EMBANKMENT	4,320 m^3
STRIPPING	1,400 m^3
TOPSOIL	1,400 m^3



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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0 50
Horiz. Scale: 1: 1000 (metres)
0 5
Vert. Scale: 1: 100 (metres)

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780
PROFESSIONAL ENGINEER

Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

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PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingenierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 528.2 SAG CURVE RECONSTRUCTION PLAN / PROFILE

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1701	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1701] May 11, 2021 - 3:34:21 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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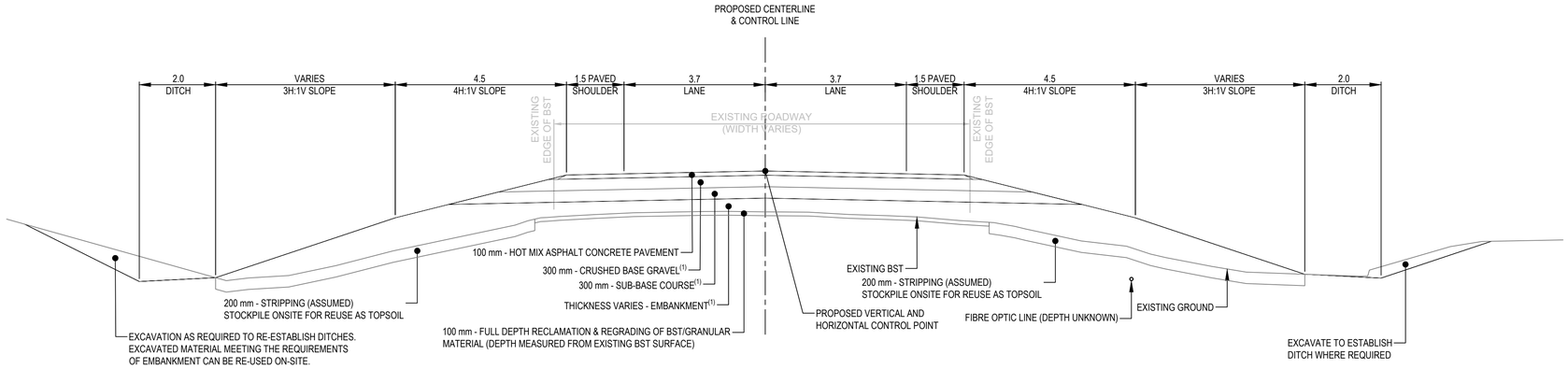

TYPICAL SECTION - SAG CURVE RECONSTRUCTION

1:75

NOTES:

(1)EXCAVATION TO ACHIEVE THE SHOWN THICKNESS' IS NOT REQUIRED. IN LOCATIONS WHERE THE DESIGN PROFILE REQUIRES LESS THICKNESS THAN SHOWN, THE MATERIAL THICKNESS' SHALL BE REDUCED IN THE FOLLOWING ORDER: EMBANKMENT, SUB-BASE COURSE, AND THEN CRUSHED BASE GRAVEL.

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REAL PROPERTY SERVICES
Pacific Region
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0 10
Scale: 1 : 200 (metres)

PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780

Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

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PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 528.2 SAG CURVE RECONSTRUCTION TYPICAL SECTION

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1702	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1702] May 11, 2021 - 3:34:34 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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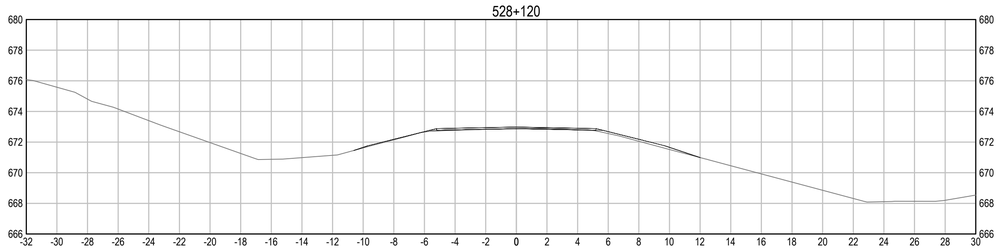

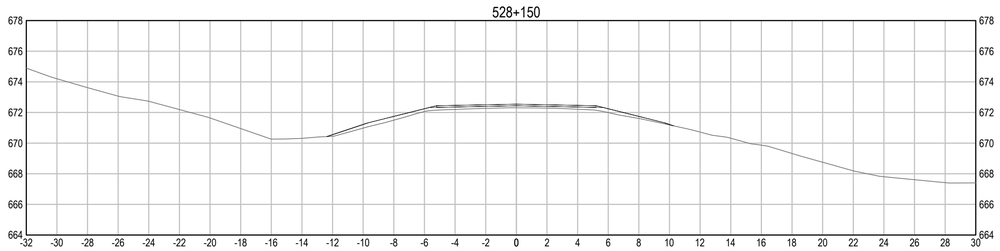

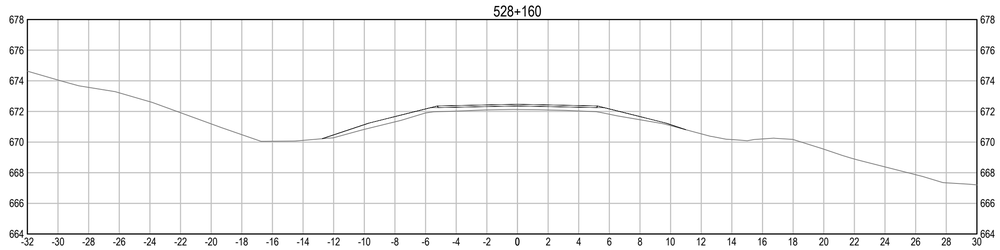

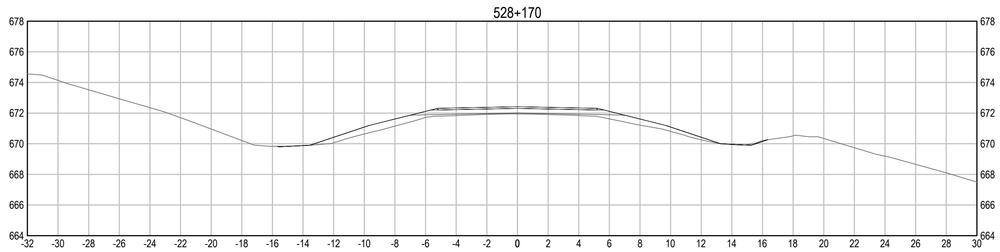

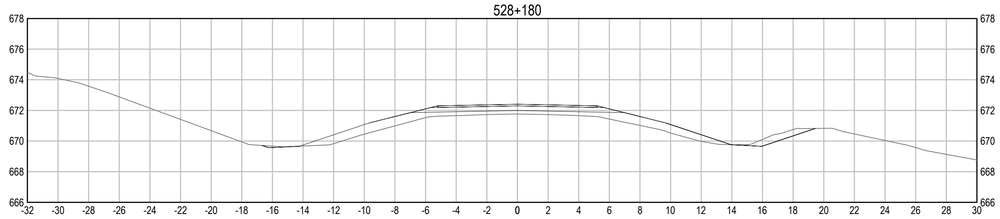

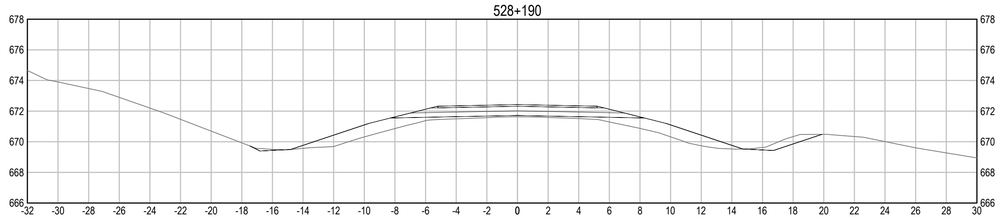

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION

0 10
Scale: 1 : 200 (metres)

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
S. X. G. LI
22780

Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 528.2 SAG CURVE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1703	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1703] May 11, 2021 - 3:34:47 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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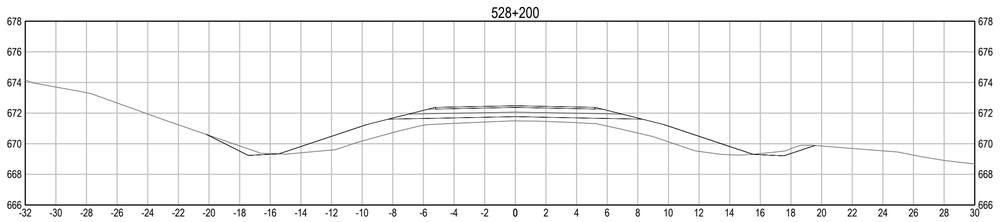

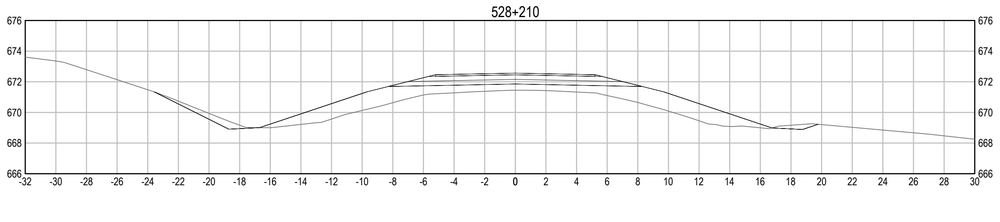

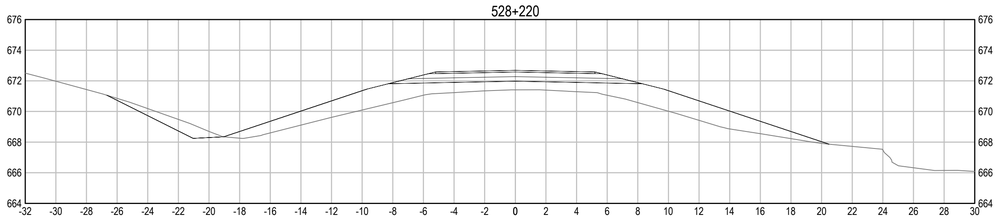

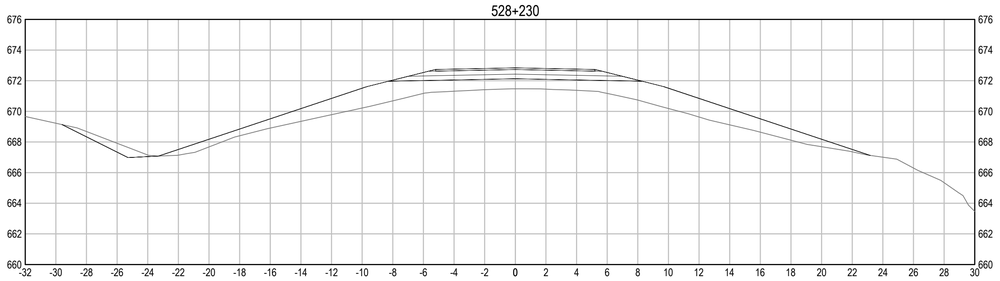

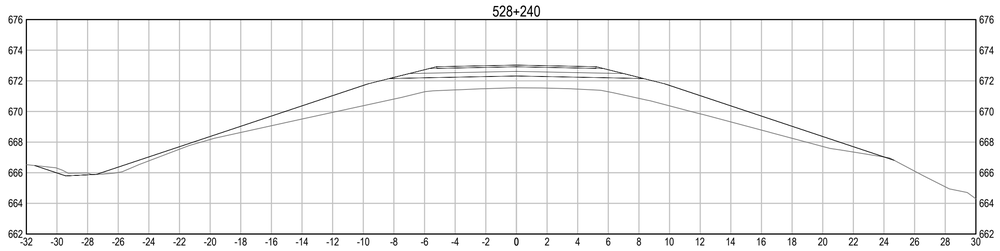

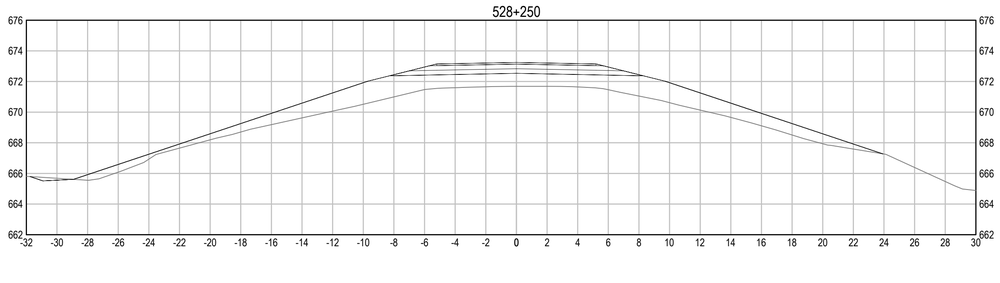

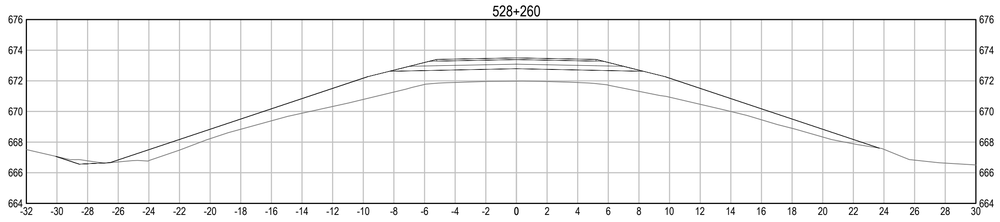

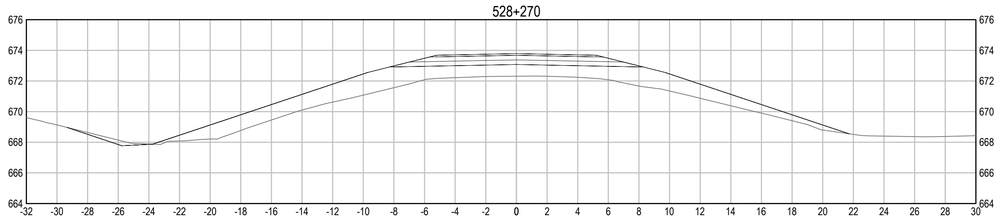

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780

Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
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Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
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PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingenierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 528.2 SAG CURVE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	**C1704**	**1**

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1704] May 11, 2021 - 3:55:00 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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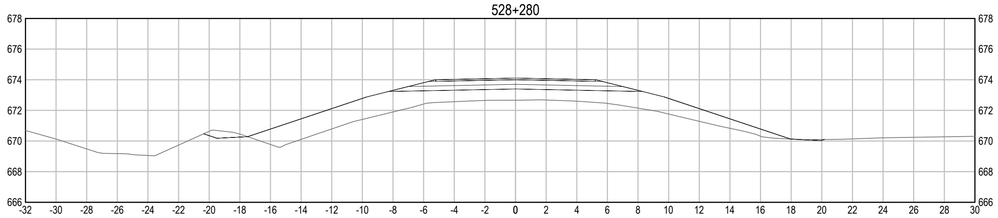

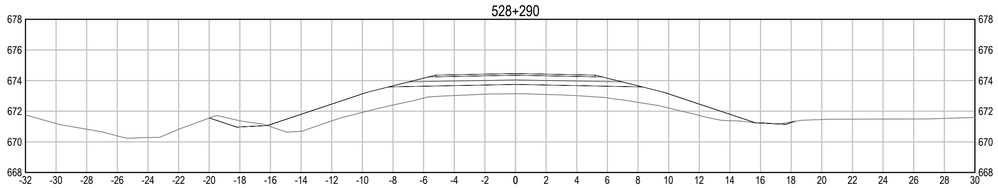

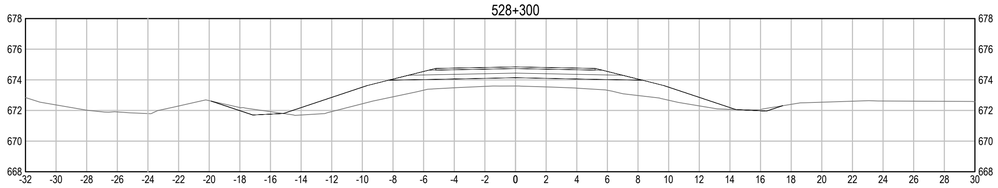

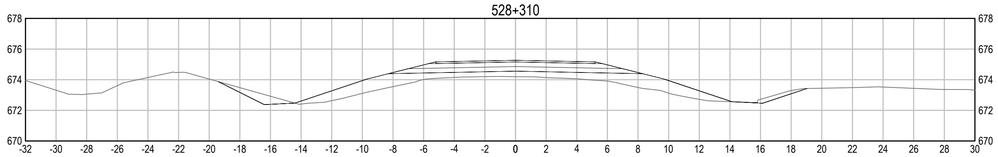

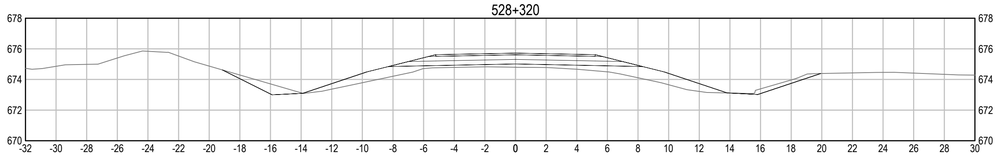

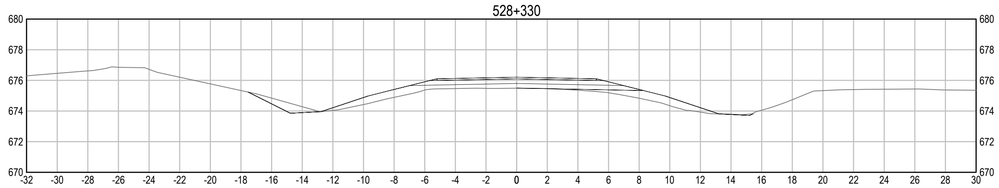

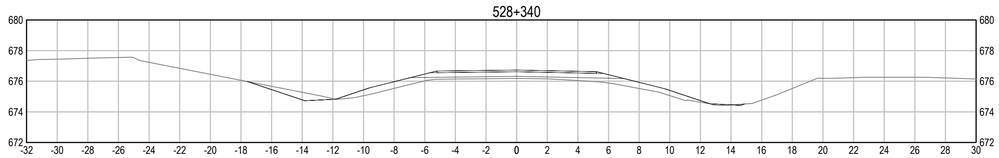

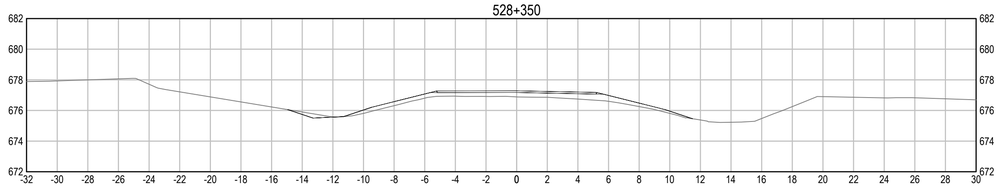

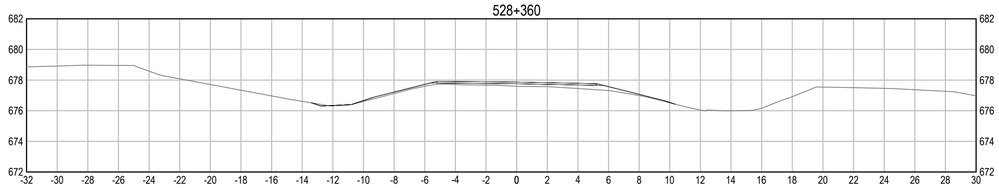

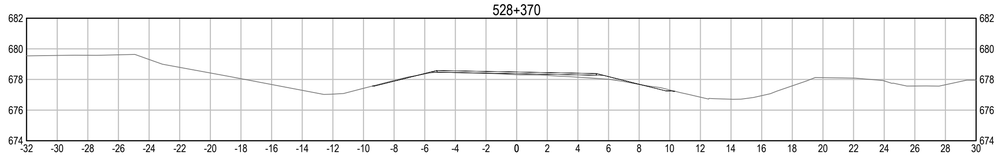

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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0 10
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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
S. X. G. LI
22780

Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 528.2 SAG CURVE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1705	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1705] May 11, 2021 - 3:55:13 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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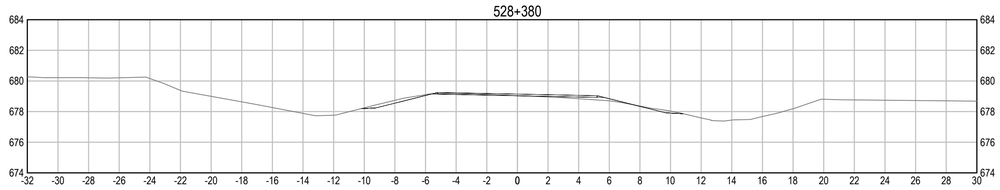

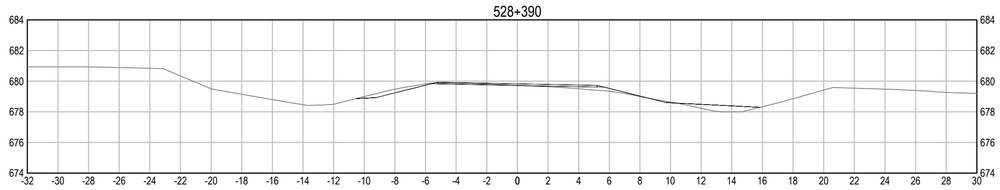

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22780

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Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingenierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
KM 528.2 SAG CURVE RECONSTRUCTION CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	**C1706**	**1**

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1701 KM 528 SAG RECONSTRUCTION.dwg [C1706] May 11, 2021 - 3:55:26 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

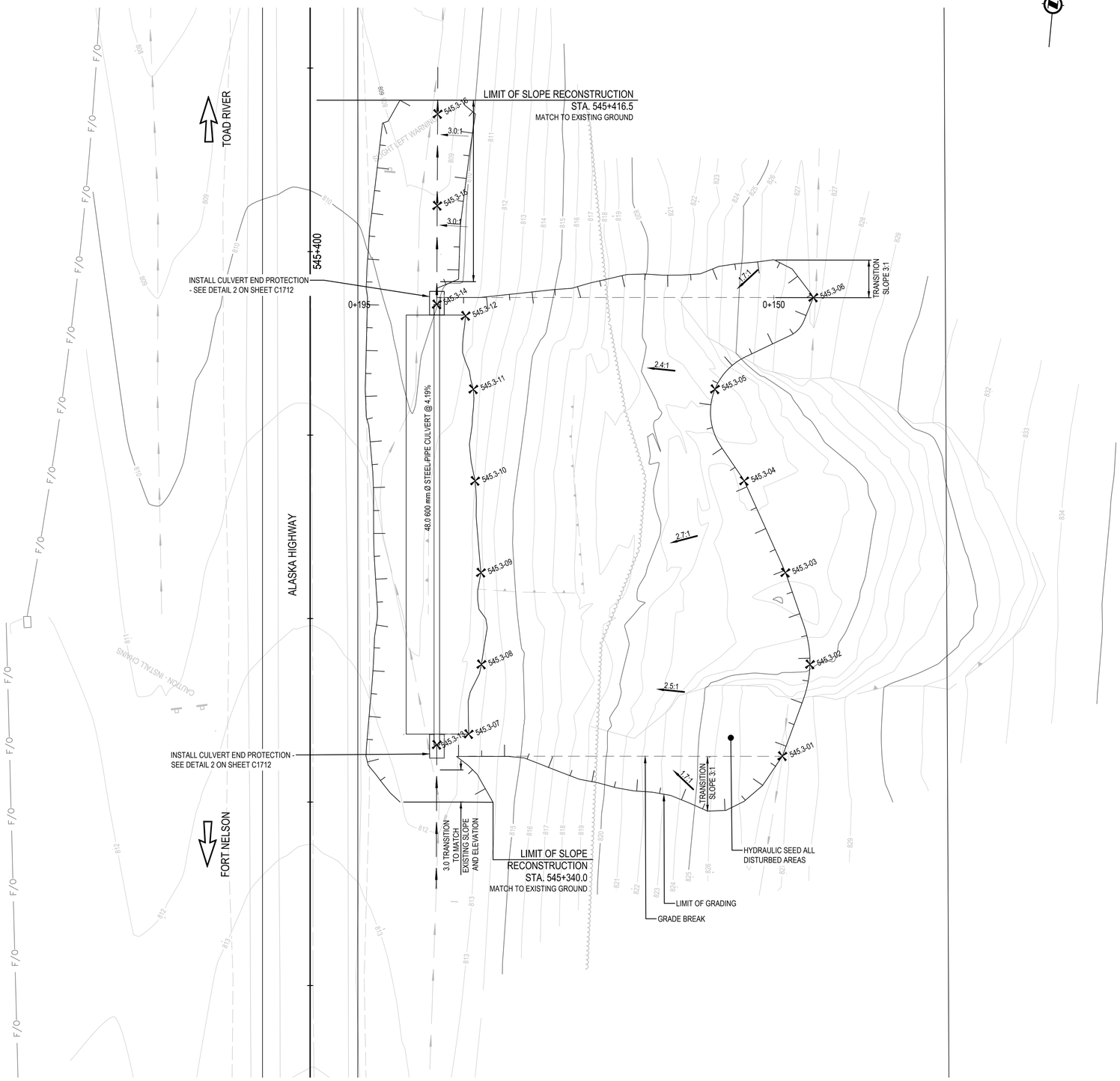
0 10 20 30 40 50 60 70 80 90 100mm

LAYOUT POINTS

POINT ID	STATION	OFFSET FROM HIGHWAY CL	ELEVATION	DESCRIPTION
545.3-01	545+345.000	51.473	826.867	GRADING LIMIT
545.3-02	545+355.000	54.487	824.795	GRADING LIMIT
545.3-03	545+365.000	51.803	823.554	GRADING LIMIT
545.3-04	545+375.000	47.318	822.534	GRADING LIMIT
545.3-05	545+385.000	44.128	821.246	GRADING LIMIT
545.3-06	545+395.000	54.855	826.914	GRADING LIMIT
545.3-07	545+347.407	17.285	812.502	COVER LIMIT
545.3-08	545+355.000	18.671	812.418	COVER LIMIT
545.3-09	545+365.000	18.619	811.994	COVER LIMIT
545.3-10	545+375.000	17.982	811.473	COVER LIMIT
545.3-11	545+385.000	17.792	811.026	COVER LIMIT
545.3-12	545+393.000	16.948	810.553	COVER LIMIT
545.3-13	545+346.243	13.805	811.106	INLET INVERT
545.3-14	545+394.245	13.805	809.093	OUTLET INVERT
545.3-15	545+405.000	13.851	808.880	DITCH LAYOUT
545.3-16	545+415.000	13.894	808.690	DITCH LAYOUT

ESTIMATED CONSTRUCTION QUANTITIES
(FOR REFERENCE ONLY)

MATERIAL	QUANTITY
EXCAVATION FOR REUSE AS EMBANKMENT	2,390 m^3



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 545.3 SLOPE RECONSTRUCTION PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1711	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1711] May 11, 2021 - 3:57:36 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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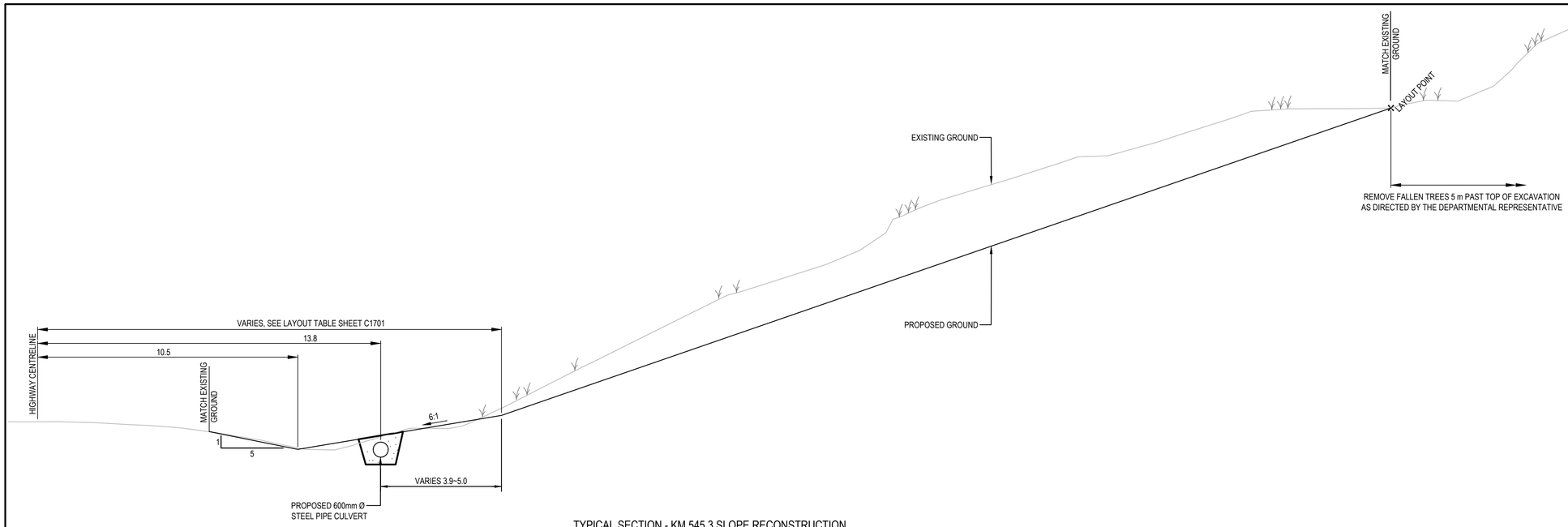
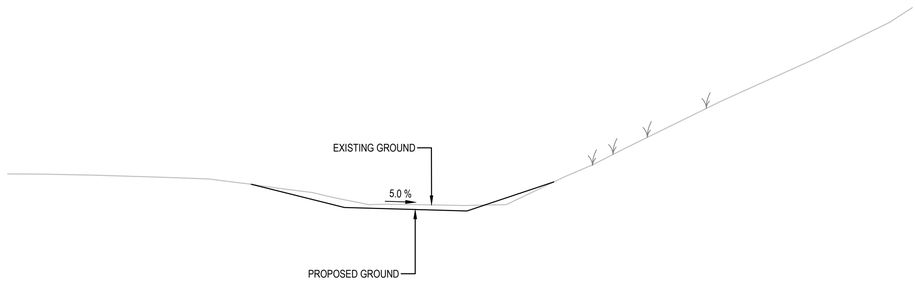
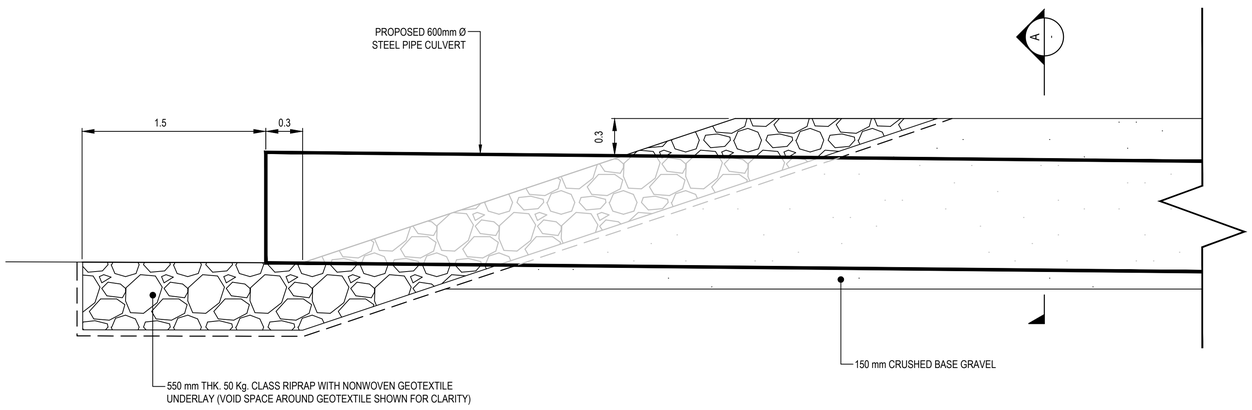


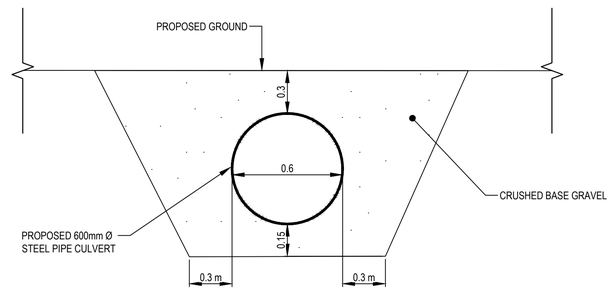
TYPICAL SECTION - KM 545.3 SLOPE RECONSTRUCTION
TYPICAL FROM STA. 545+346 TO STA. 545+395
1:100



TYPICAL SECTION - KM 545.3 SLOPE RECONSTRUCTION
TYPICAL FROM STA. 545+340 TO STA. 545+346 AND STA. 545+394 TO STA. 545+417
1:100



DETAIL 2 - CULVERT INLET / OUTLET PROTECTION
1:25



SECTION A
SCALE N.T.S.

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER — PROV. OF B.C. — S. G. LI — # 22760

1	ISSUED FOR AMENDMENT 001	21/05/11
Revision/ Revisión	Description/Description	Date/Date

Client/client
Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet
KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**
Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**
Drawn by/Dessine par: **A.DEEPWELL / H.ONG**
PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**
PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC:
Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin
KM 545.3 SLOPE RECONSTRUCTION TYPICAL SECTIONS AND DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1712	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1712] May 11, 2021 - 3:58:56 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. X. G. LI
22760

Scale: 1: 250 (metres)

Revision/ Revisions	Description/Description	Date/Date
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Public Services and Procurement Canada

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PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545.3
SLOPE RECONSTRUCTION
CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1713	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1713] May 11, 2021 - 3:59:31 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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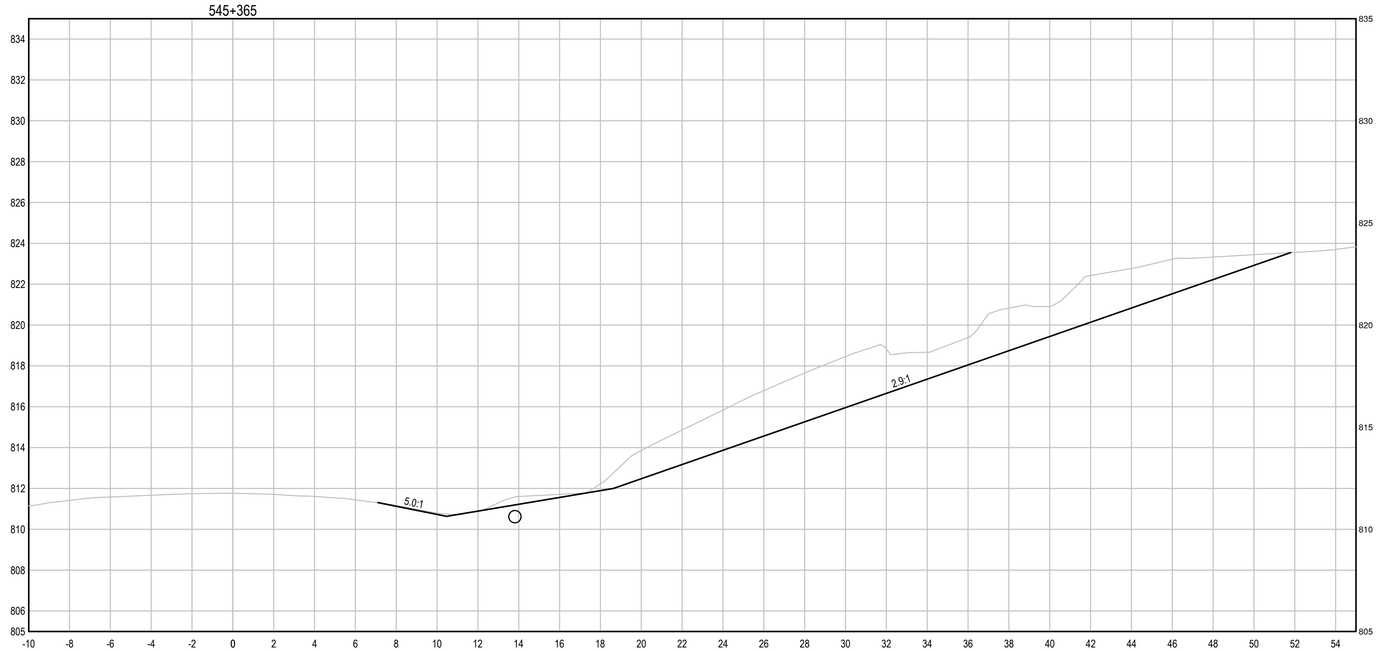

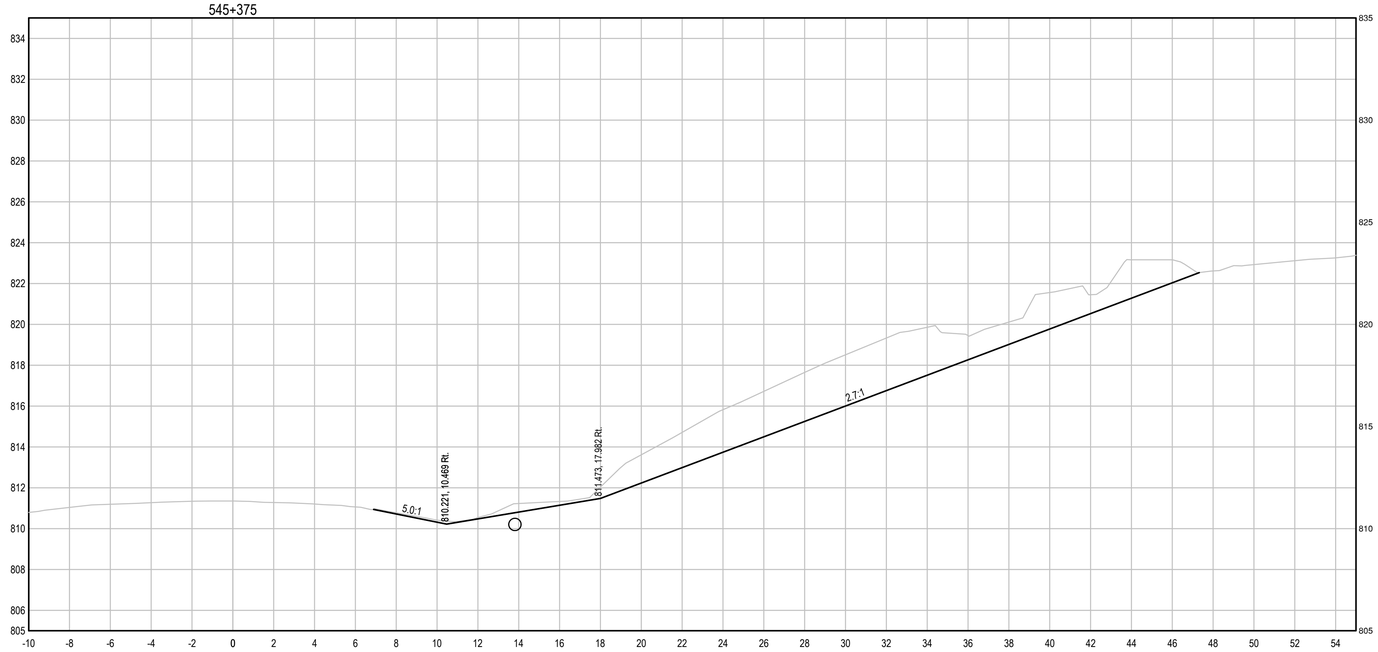

Public Services and Procurement Canada | Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. G. LI — # 22760

Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545.3
SLOPE RECONSTRUCTION
CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1714	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1714] May 11, 2021 - 4:00:05 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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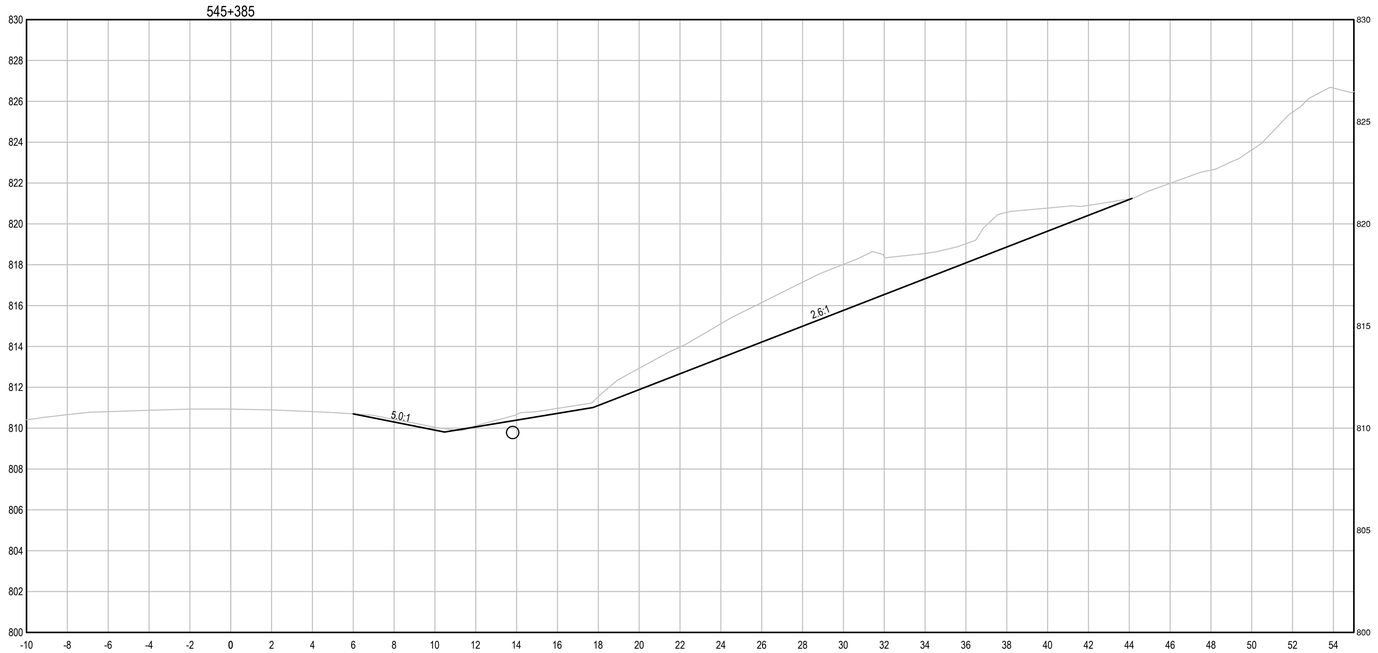

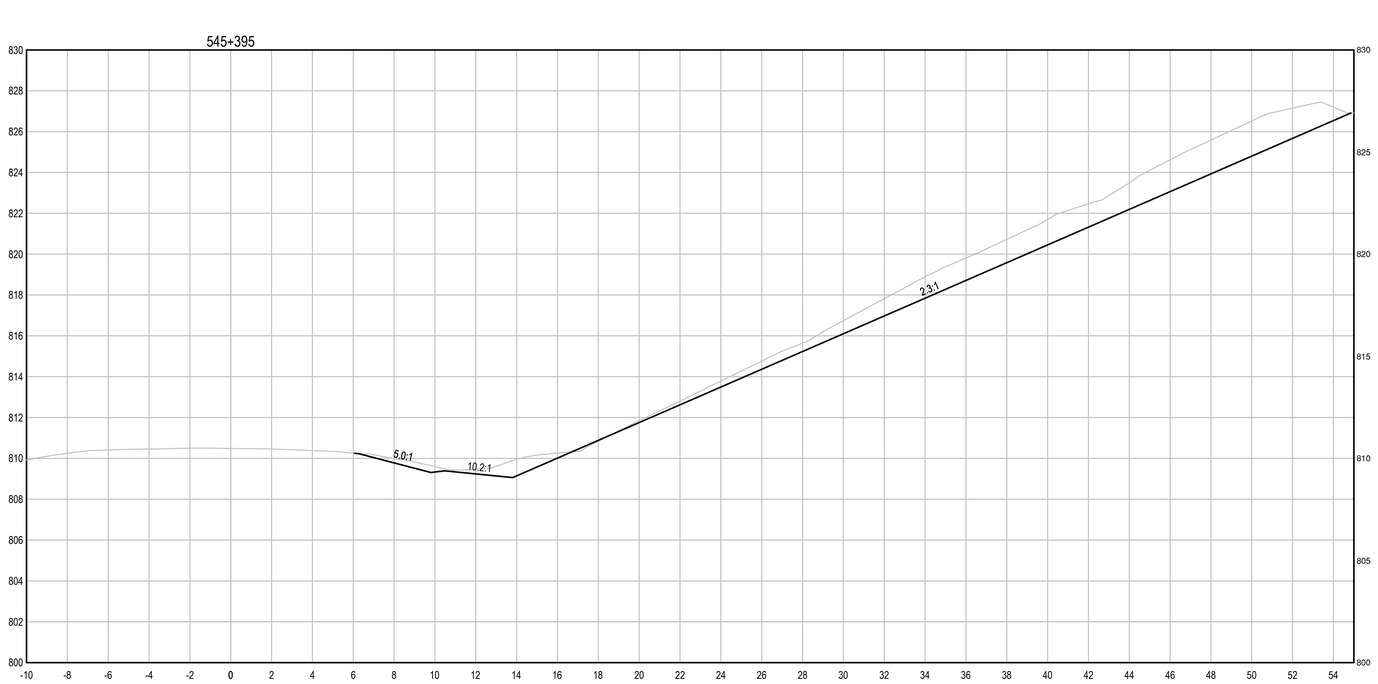

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — S. LI — # 22760

0 10
Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545.3
SLOPE RECONSTRUCTION
CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1715	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1715] May 11, 2021 - 4:01:08 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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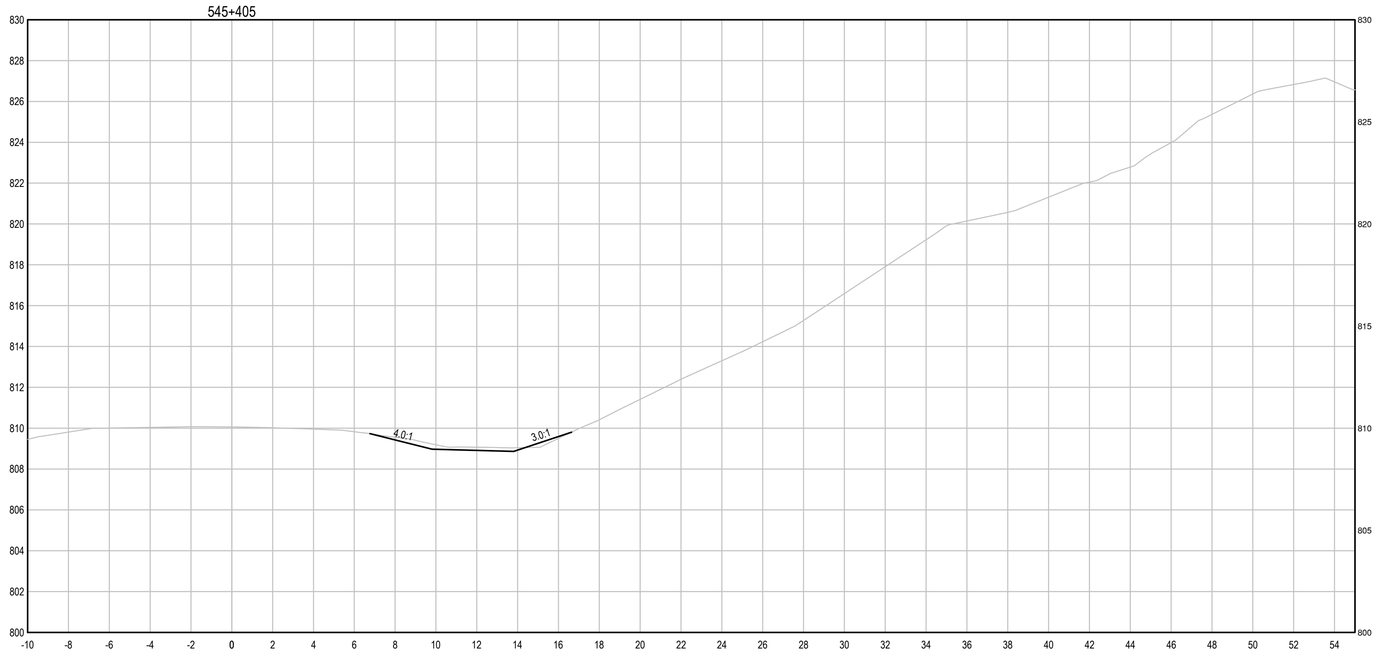

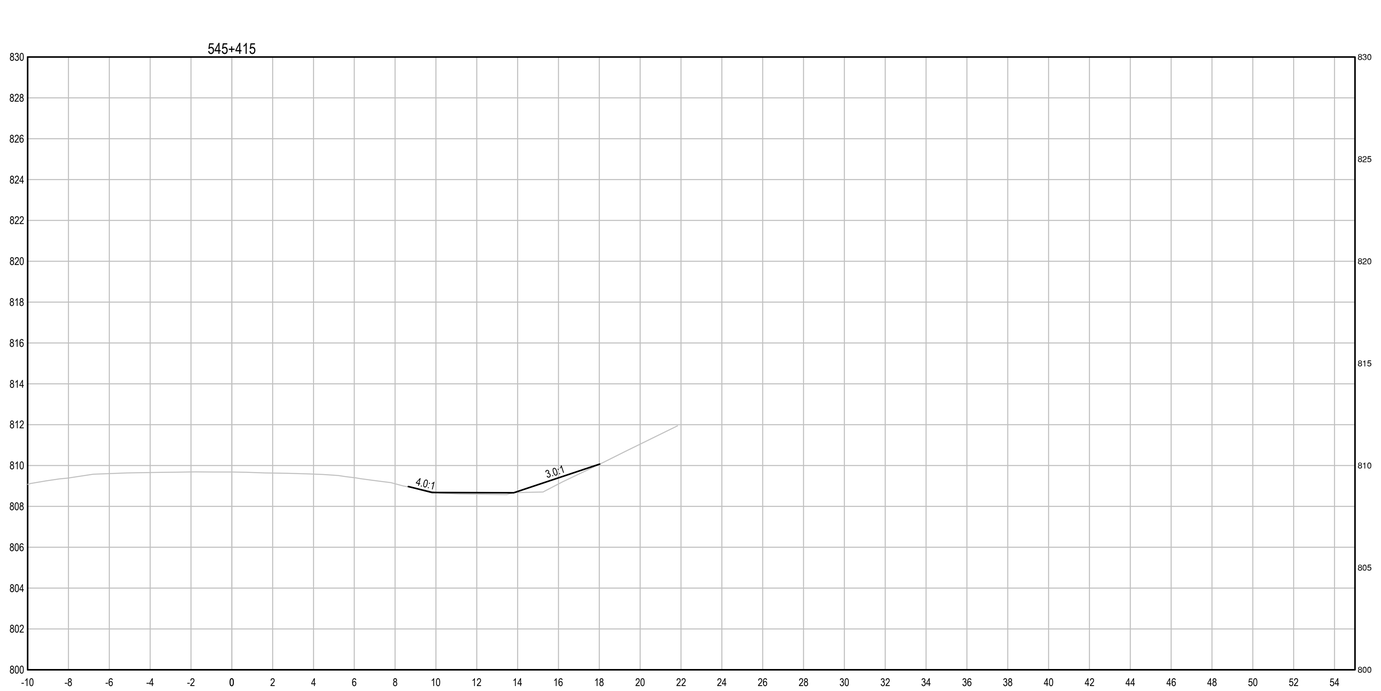

Public Services and Procurement Canada
Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROV. OF B.C.
S. G. LI
22760
CANADA

0 10
Scale: 1: 250 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 545.3
SLOPE RECONSTRUCTION
CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1716	1

Q:\Vancouver\Transportation\TRN\VHWY\Projects\TRN\VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1711 SLOPE RECONSTRUCTION KM 545.3.dwg [C1716] May 11, 2021 - 4:01:57 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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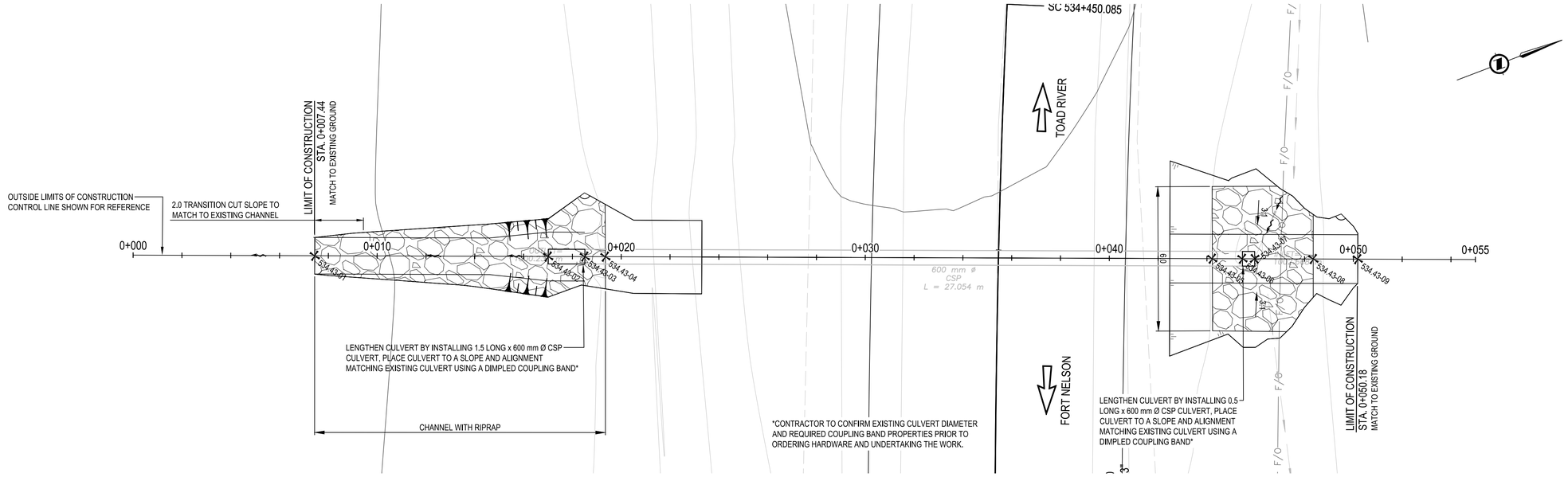
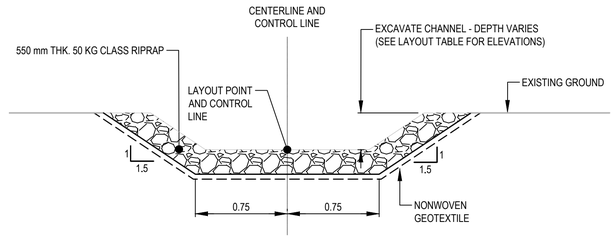


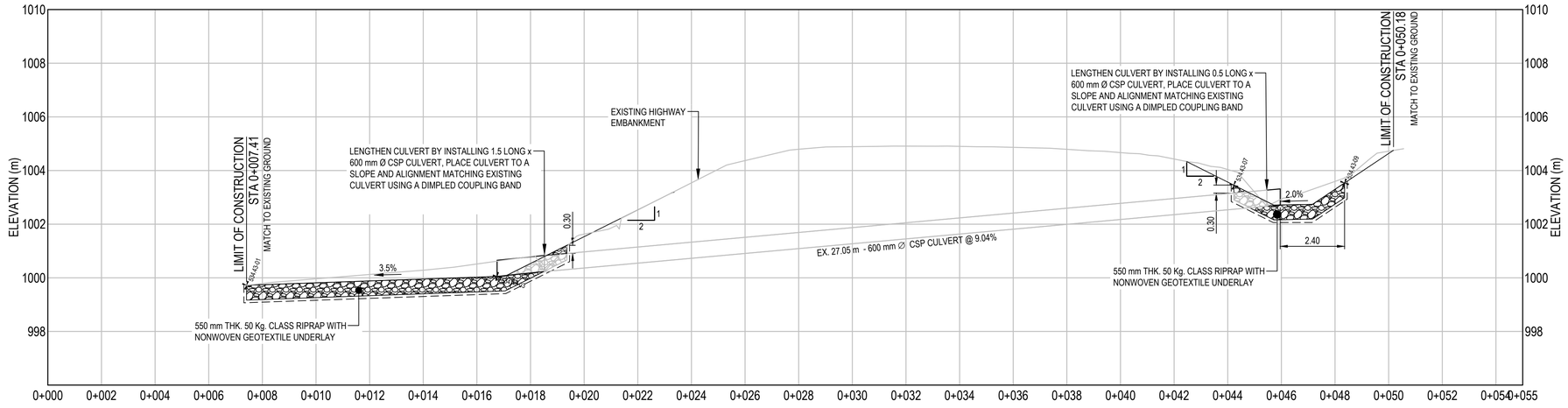


TYPICAL CHANNEL OUTLET DITCHING SECTION

TYP. FROM STA. 0+007.41 TO STA. 0+019.36

KM 534.43 CULVERT LAYOUT POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
534.43-01	6,505,048.891	456,940.010	999.725	CONSTRUCTION LIMIT
534.43-02	6,505,057.967	456,943.039	1000.095	PROPOSED OUTLET INVERT
534.43-03	6,505,059.391	456,943.510	1000.110	EXISTING OUTLET INVERT
534.43-04	6,505,060.187	456,943.775	1001.210	RIPRAP LIMIT
534.43-05	6,505,083.781	456,951.640	1003.458	RIPRAP LIMIT
534.43-06	6,505,084.953	456,952.031	1002.668	EXISTING INLET INVERT
534.43-07	6,505,085.427	456,952.189	1002.713	PROPOSED INLET
534.43-08	6,505,087.708	456,952.950	1003.538	RIPRAP LIMIT
534.43-09	6,505,089.434	456,953.525	1004.748	CONSTRUCTION LIMIT



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

GENERAL NOTES:
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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHUANG LI — # 22760

Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 534.43 CULVERT PLAN / PROFILE / TYPICAL

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1801	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1801 C1811 CULVERTS KM 534.43 KM 546.7.dwg [C1801] May 11, 2021 - 4:27:38 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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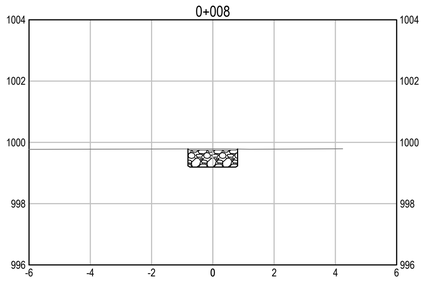

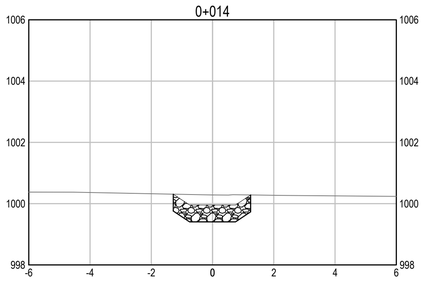

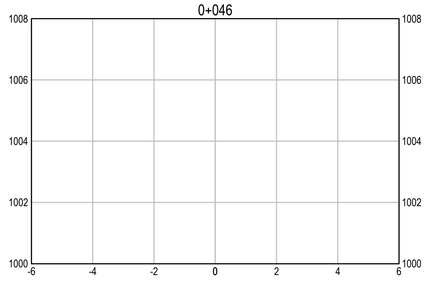

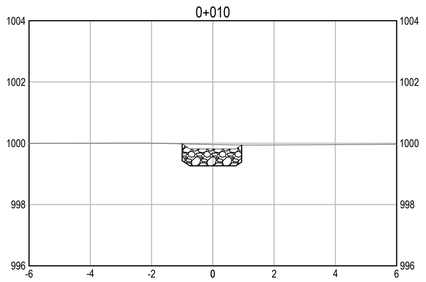

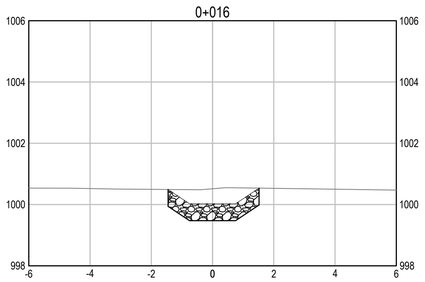

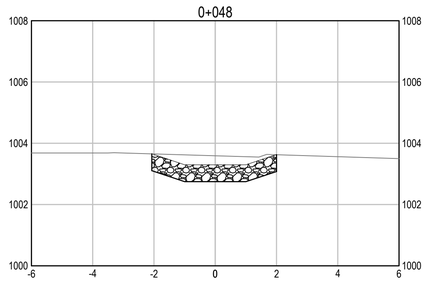

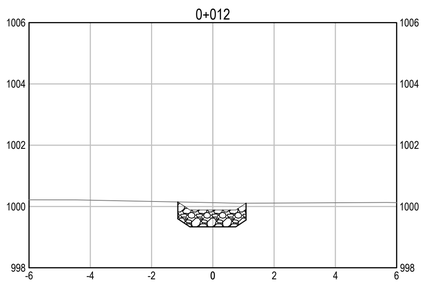

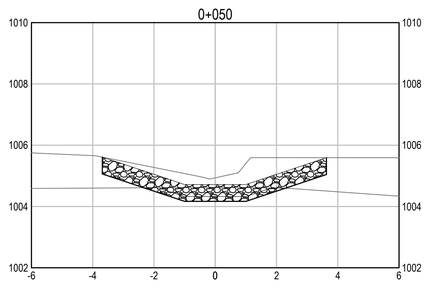

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PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHUN G LI
22760

0 5
Scale: 1: 100 (metres)

Revision/ Revisions	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 534.43 CULVERT CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1802	1

546+700

FORT NELSON

TOAD RIVER

900 mm ø CSP = 41.942 m

SEE TYPICAL SECTION 1 SHEET C1812

TRANSITION RIPRAP CHANNEL WIDTH FROM 8 m TO 5 m OVER 2 m

SEE TYPICAL SECTION 2 SHEET C1812

LIMIT OF CONSTRUCTION STA. 0+040.81 MATCH TO EXISTING GROUND

EXISTING CULVERT OUTLET

GRADE BREAK

546.7-01

546.7-02

546.7-03

0+050

546.7-04

LIMIT OF CONSTRUCTION STA. 0+068.812 MATCH TO EXISTING GROUND

2.0 TRANSITION CUT SLOPE TO MATCH TO EXISTING CHANNEL

546.05

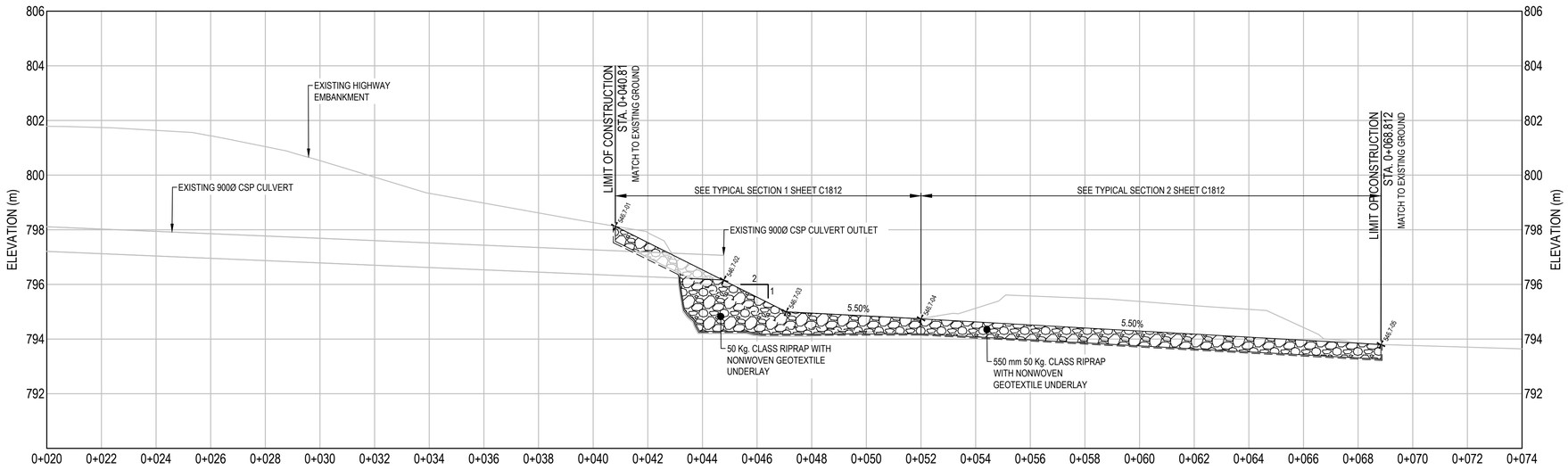
50 Kg CLASS RIPRAP WITH NONWOVEN GEOTEXTILE UNDERLAY

OUTSIDE LIMITS OF CONSTRUCTION CONTROL LINE SHOWN FOR REFERENCE

F/O

KM 546.7 CULVERT LAYOUT POINTS

	POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	546.7-01	6,504,369.398	448,470.976	798.127	RIPRAP LIMIT
2	546.7-02	6,504,367.129	448,474.243	796.163	EX. CULVERT OUTLET
3	546.7-03	6,504,365.830	448,476.114	795.028	GRADE BREAK
4	546.7-04	6,504,362.278	448,479.543	794.794	RIPRAP TRANSITION
5	546.7-05	6,504,350.652	448,491.688	793.784	LIMIT OF CONSTRUCTION



Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA ALEXANDER GILADI # 22760

0 5
Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

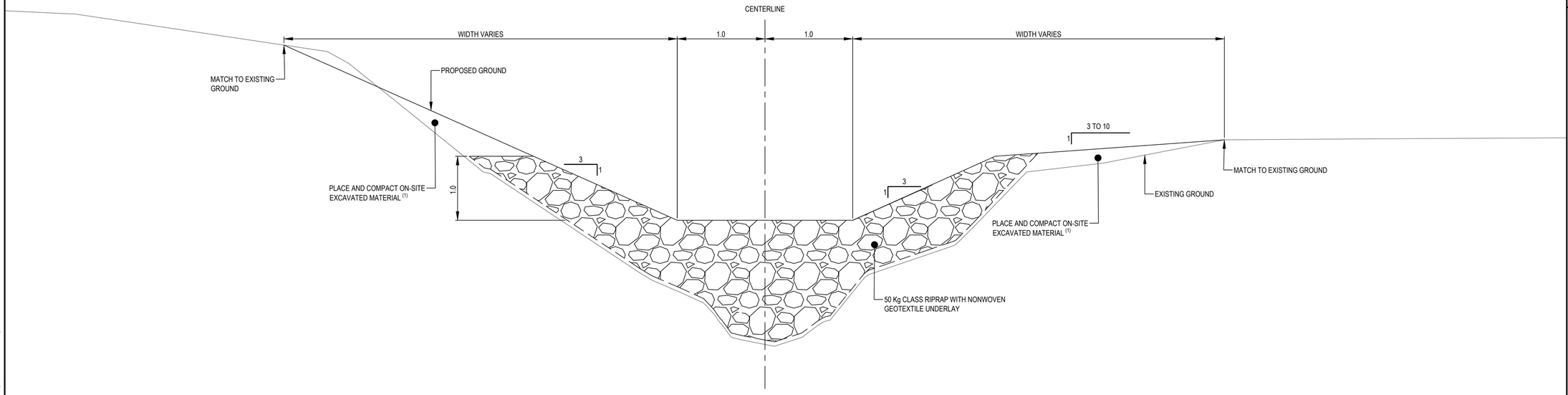
KM 546.7 CULVERT PLAN / PROFILE

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1811	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY\03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1801 C1811 CULVERTS KM 534.43 KM 546.7.dwg [C1811] May 11, 2021 - 4:28:27 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

0 10 20 30 40 50 60 70 80 90 100mm



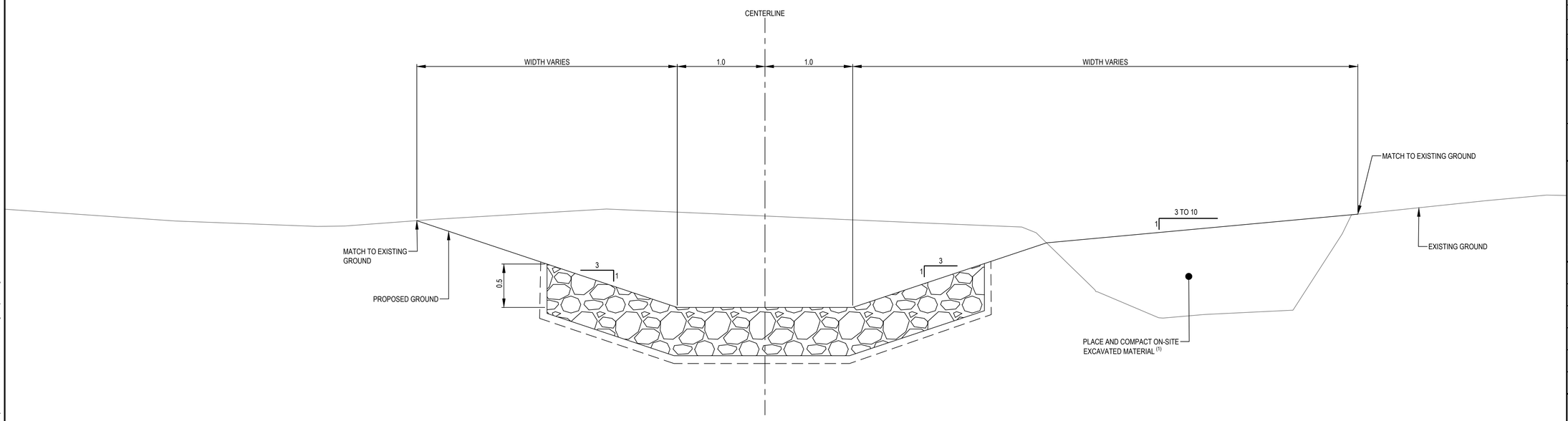
TYPICAL CHANNEL DITCHING SECTION 1

STA. 0+041 TO 0+051

SCALE 1:25

NOTE:

(1) ONSITE EXCAVATED MATERIAL SHALL BE PLACED TO RECONSTRUCT CHANNEL DITCHING AS SHOWN IN THE TYPICAL SECTION OR PLACED OUTSIDE OF THE CHANNEL AND WITHIN THE RIGHT OF WAY. MATERIAL SHALL BE PLACED IN LOCATIONS WHICH DO NOT CREATE PONDING OR ADVERSELY AFFECT DRAINAGE. ALL MATERIAL SHALL BE SPREAD AND FLATTENED TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE WITH A MAXIMUM THICKNESS OF 0.5 m. ALL EXCAVATED MATERIAL AND DISTURBED AREAS SHALL BE HYDROSEEDED.



TYPICAL CHANNEL DITCHING SECTION 2

STA. 0+053 TO 0+069

SCALE 1:25

Public Services and Procurement Canada / Services publics et Approvisionnement Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

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PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — # 22760

Scale: 1: 100 (metres) 0 5

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 546.7 CULVERT TYPICAL SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1812	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY03164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1801 C1811 CULVERTS KM 534.43 KM 546.7.dwg [C1812] May 11, 2021 - 4:28:46 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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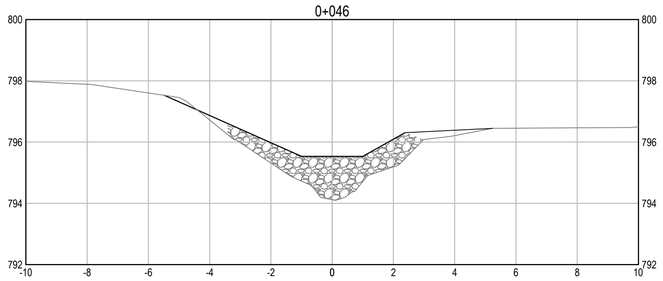

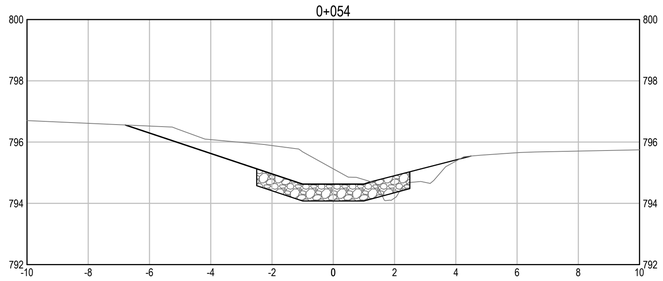

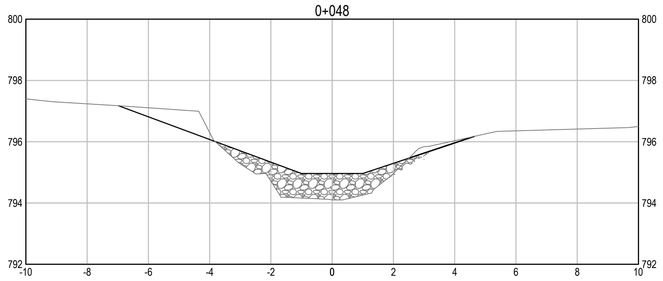

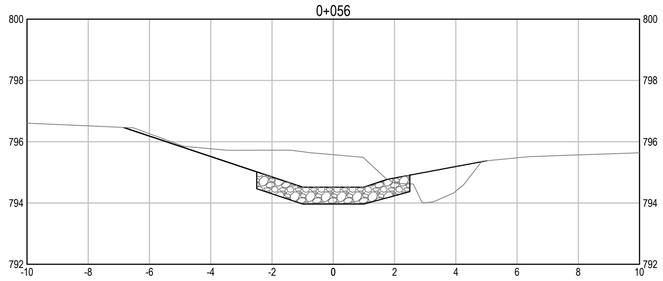

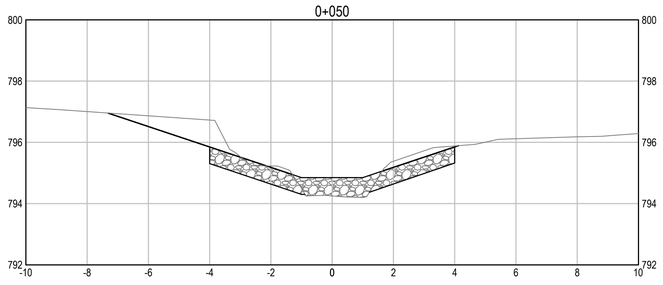

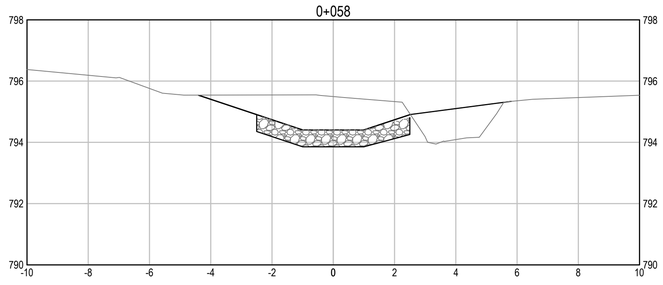

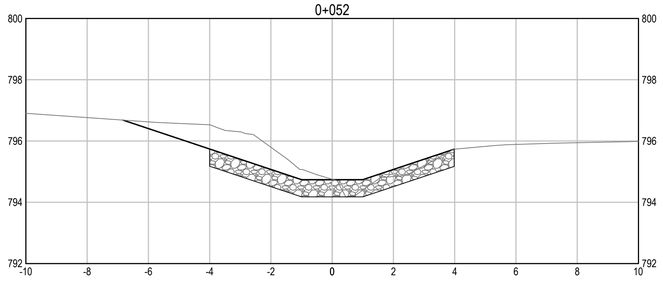

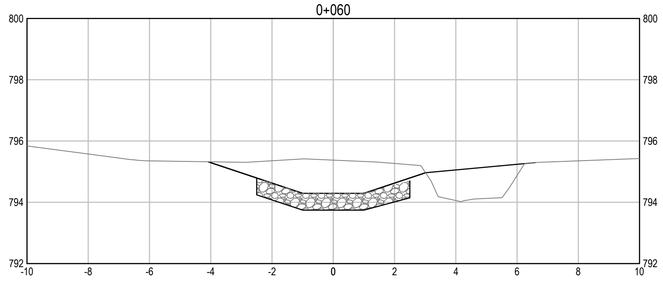

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REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région du Pacifique

ISSUED FOR AMENDMENT 001

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

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — SHUNLI GU — # 22760

0 5
Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par
S.LI

Designed by/Concept par
A.DEEPWELL / C.ERIKS / H.ONG

Drawn by/Dessine par
A.DEEPWELL / H.ONG

PSPC Project Manager/Administrateur de Projets TPSGC
A.TAHERI

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

KM 546.7 CULVERT CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	**C1813**	**1**

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PWGSC – A1 – 841x594

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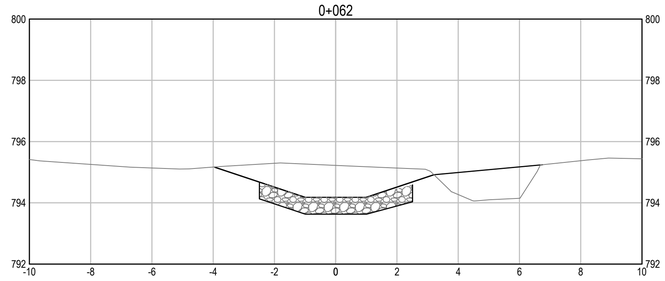

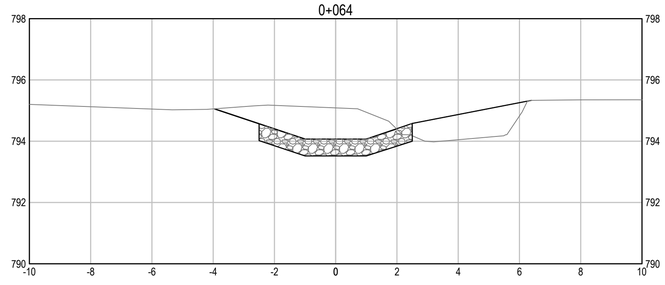

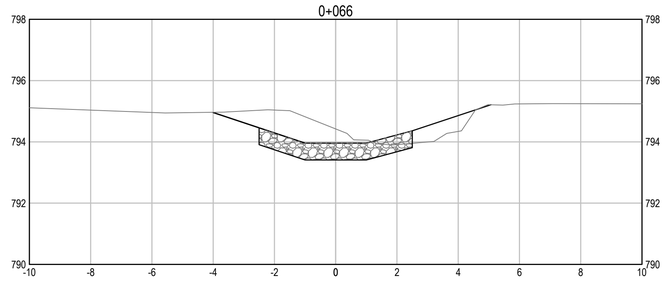

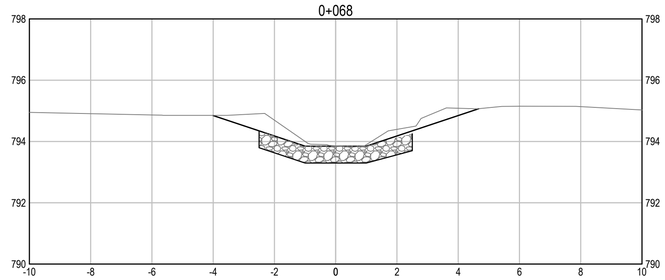

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REAL PROPERTY SERVICES
Pacific Region
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ISSUED FOR AMENDMENT 001

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PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
SHUANG LI
22760

Scale: 1: 100 (metres)

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR AMENDMENT 001	21/05/11

Client/client

Public Services and Procurement Canada

TETRA TECH

Project title/Titre du projet

KM 325 - 355 & KM 520 - 555 PAVEMENT REPLACEMENT & MISCELLANEOUS WORKS ALASKA HIGHWAY, BC

Approved by/Approuve par: **S.LI**

Designed by/Concept par: **A.DEEPWELL / C.ERIKS / H.ONG**

Drawn by/Dessine par: **A.DEEPWELL / H.ONG**

PSPC Project Manager/Administrateur de Projets TPSGC: **A.TAHERI**

PSPC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client: **PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin

KM 546.7 CULVERT CROSS SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.116050.001	C1814	1

Q:\Vancouver\Transportation\TRN.VHWY\Projects\TRN.VHWY033164 Alaska Highway Paving Km 325 - 355 & Km 520 - 555\CAD\Sheets KM 325-355 & 520-555 PAVING\C1801 C1811 CULVERTS KM 534.43 KM 546.7.dwg [C1814] May 11, 2021 - 4:29:17 pm (BY: ERIKS, COLIN)

PWGSC – A1 – 841x594

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