



<p>Addendum No. 1</p> <p>City of Coquitlam Tender 85262 Saddle Street Sanitary Upgrades Issue Date: July 16, 2024 (Consists of 10 Pages)</p>

Revisions

1. Refer to: FORM OF TENDER

REMOVE: Appendix 1

REPLACE with: *Revised* - Appendix 1 - **Revision No. 1**

NOTE: Revisions shown in red.

2. Refer to: Agreement, Schedule 2, List of Drawings

Add: Appendix B: Supplemental Detail Drawings

Delete:

TITLE	SHEET NO.	REVISION NO.	DATE
TYPICAL CONSTRUCTION DETAILS	02 OF 03	A	2024/06/28
SADDLE STREET STA 1+000m TO STA 1+200m	03 OF 03	A	2024/06/28

Replace with:

TITLE	SHEET NO.	REVISION NO.	DATE
TYPICAL CONSTRUCTION DETAILS	02 OF 03	B	2024/07/12
SADDLE STREET STA 1+000m TO STA 1+200m	03 OF 03	B	2024/07/12

3. Refer to: SUPPLEMENTARY CONTRACT SPECIFICATIONS – Section 33 05 23S – Trenchless Pipe Bursting

ADD to: Clause 1.7.2

Note: The Contractor shall inspect existing service connections that are to be pipe burst by hand video prior to installing the IC. Based on the hand video result, City assessment or apparent condition of the pipe, repair/replacement is to be done. If the existing service is in good condition a Service Transfer

under Clause 1.7.3 of this Section will be conducted. Repair/replacement shall only be done as approved by Contract Administrator or City inspector

4. Refer to: SUPPLEMENTARY CONTRACT SPECIFICATIONS – Section 33 30 01S – Sanitary Sewers

DELETE: Clause 1.6 – Measurement and Payment

REPLACE with:

1.0 GENERAL

1.6 Measurement and Payment

Delete 1.6.1 and replace with

Payment for sanitary sewer will be made separately for various sections of sanitary sewer consistent with pipe materials, diameters and backfill requirements shown on the Contract Drawings and described under individual payment items in the Schedule of Quantities.

Delete 1.6.2 and replace with

Payment for sanitary sewers includes asphalt & concrete saw cutting, disposal of pavement, trench excavation, disposal of surplus excavated material, removal and disposal of existing pipes, supply and installation of all pipe, fittings and related materials, tie-ins other than noted in Clause 1.6.7, bedding and all import backfill material, approved native backfill, granular base, granular subbase, cleaning and flushing, testing (if applicable), all surface restoration under Section 31 23 01 – Sub-section 3.6 including permanent pavement restoration and all other work and materials necessary to complete installation as shown on Contract Drawings and specified under this Section; and

Payment for concrete driveway and curb & gutter will be made under Section 03 30 20S.

Native excavated material approved for re-use as trench backfill shall be used on boulevard and outside of paved roadway area and shall have all cobbles greater than 150 mm diameter removed and disposed off-site and shall be granular in nature and free of organic materials. Native excavated material shall not be used as trench backfill where the moisture content does not permit compaction to the specified density. Where native excavated material is unacceptable for use as trench backfill, imported trench

backfill shall be supplied, placed, and compacted to specified density. Imported trench backfill shall not be used without the prior approval of the Contract Administrator.

Payment includes by-pass pumping to include all pumps, labour and materials required to facilitate the work. Payment for the by-pass pumping will be incidental. Payment includes all applicable materials and work described in 1.6.4.1.

Measurement for sanitary sewer will be made along the ground from the start of new pvc pipe to the terminus of the new pvc pipe.

Delete 1.6.3 and
replace with

Payment for new service connections includes 150mm SDR28 PVC pipe unless otherwise specified, shear band couplers, bends, increaser, pvc wye, stubs, caps, sanded stubs, manhole preparation for connection, Le-Ron inspection chamber c/w locking collar and red lid and all related fittings and components specified and/or shown on Standard Detail Drawings. Payment includes all applicable service pipes, materials and work described in 1.6.2.

Measurement for service connection will be for each complete service installed, including the inspection chamber, length of service pipe installed and length of riser.

Add 1.6.3.1

Payment for sanitary service connection repair/replacement includes 100mm SDR28 PVC pipe, shear band couplers, bends, increaser, stubs and all related fittings and components specified and/or shown on Standard Detail Drawings. Payment includes all applicable service pipes, materials and work described in 1.6.2.

Measurement and payment for sanitary connection repair/replacement will be made for each sanitary service installed.

Add 1.6.4

Payment is to supply and install Le-Ron molded sanitary inspection chambers c/w locking collar & red lid including the riser as per COQ-S7A, COQ-S8A and MMCD S9 at each location. The tendered price is to include all labour, shear band couplers, 2m PVC SDR28 pipe stubs and all related fittings

and components specified and/or shown on Standard Detail Drawings and all such other items that may be required to complete the work as specified. Payment includes all applicable materials and work described in 1.6.2.

The Contractor shall inspect the existing service connection by hand video prior to installing the IC. Based on the hand video result, City assessment or apparent condition of the pipe, repair/replacement is to be done under Clause 1.6.3.1. Repair/replacement shall only be done as approved by Contract Administrator or City inspector.

NOTE: Depth specified on the utility connection record without an IC is typically measured from the top of the clean out wye.

Payment includes work as described in 1.6.4.1

Add 1.6.4.1

Remove and dispose of all trees, roots, vegetation, organic matter and stumps that are located in the right of way and which fall within the work area (including stripping of ditches). Trim small branches from trees or hedges as required and where necessary use an approved tree paint to repair damage to surviving vegetation where branches have been removed. Obtain the Contract Administrator's approval before trees are removed. Replace shrubs and trees that are located on private properties that are damaged during construction.

Materials removed from within the right of way are the property of the private property owner. Materials removed within private property remain the property of the private property owner.

Discard materials obtained from within the right of way and from adjacent private properties that are not suitable for reuse or not wanted by private owners at an approved dump site.

Where possible and as agreed with the *Contract Administrator*, reuse topsoil obtained from within the right of way.

Brooks Boxes with a steel lid are to be provided for inspection chambers located in driveways as necessary. Payment for the Brooks Boxes will be incidental.

Payment includes support of poles if necessary and manhole barrel preparation to accommodate the service connection.

Lump sum to include for all labour, materials, and equipment required to supply and install the work as specified and restore surface to its original conditions or better.

Add to Clause
1.6.7

Payment includes all applicable works in Clause
1.6.2

End of Addendum No. 1

Tenderers shall take into account the content of this Addendum in the preparation and submission of the Tender which will form part of the contract and should be acknowledged on the Tender form where indicated.

Upon submitting a Tender, Tenderers will be deemed to have received all addenda and considered the information for inclusion in the Tender submitted.

Issued by:

M. Pain
Procurement Manager
Email: bid@coquitlam.ca

Revised - APPENDIX 1 - Revision No.1
FORM OF TENDER

Contract 85262
Saddle Street Sanitary Upgrades

SCHEDULE OF QUANTITIES AND PRICES

(see paragraph 5.3.1 of the Instruction to Tenderers – Part II)

(All Tender and Contract Prices shall NOT include GST. GST will apply upon payment)

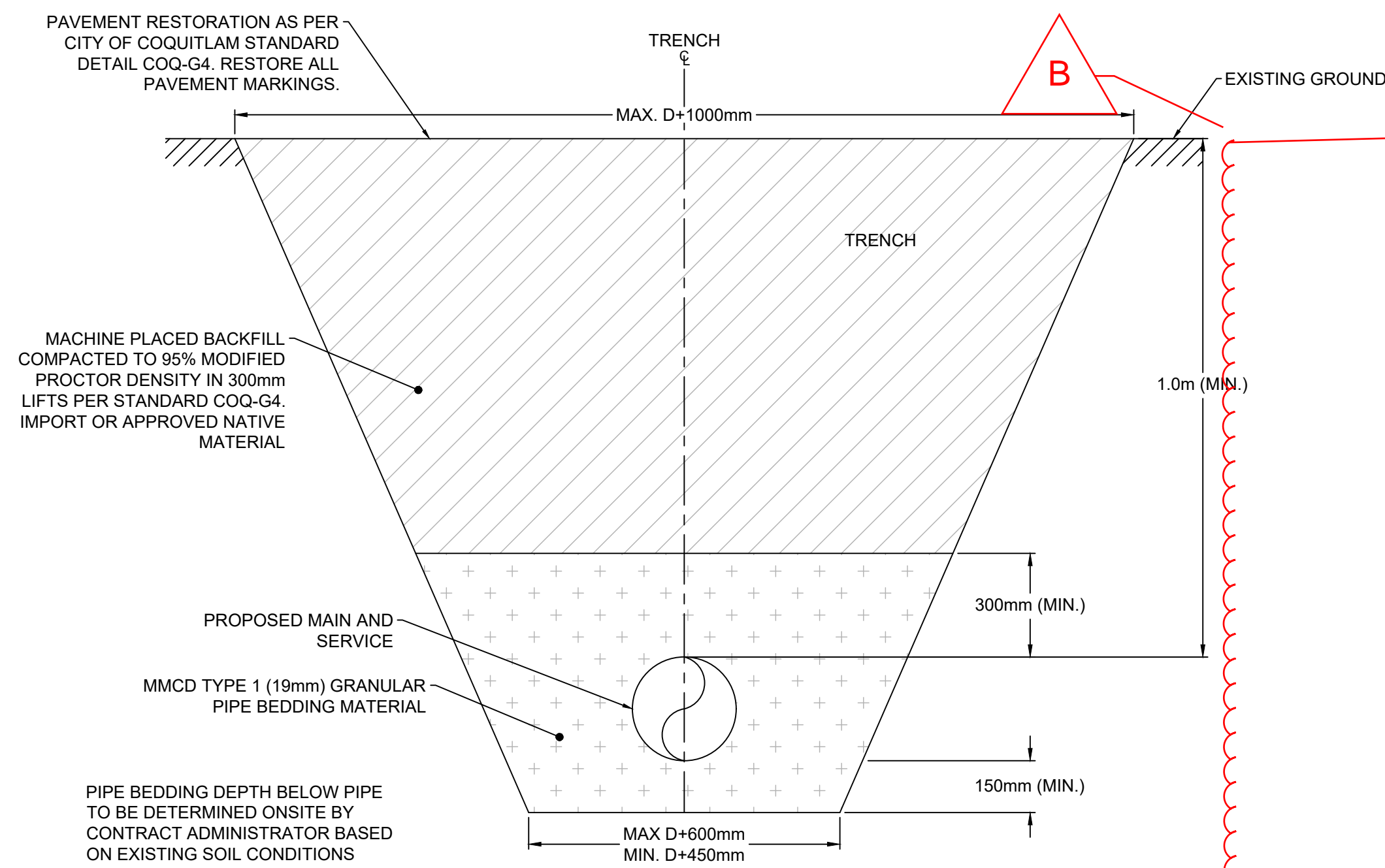
(Should there be any discrepancy in the information provided, the City’s original file copy shall prevail)

ITEM NO.	MMCD Ref. / (Supplementary Specifications)	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED AMOUNT
1.0	01 55 00S	TRAFFIC CONTROL, VEHICLE ACCESS AND PARKING				
1.01	(1.5.1)	Traffic Control and Management				Incidental to Contract
2.0	01 57 01S	ENVIRONMENTAL PROTECTION				
2.01	(1.6.1)	Environmental Protection				Incidental to Contract
3.0	01 58 01S	PROJECT IDENTIFICATION				
3.01	(1.3.1)	1.2m x 1.2m Construction Sign	each	2		
4.0	33 05 23S	TRENCHLESS SEWER PIPE BURSTING				
4.01	(1.7.2)	250mm DR17 HDPE Pipe Bursting	lin.m	165		
4.02	(1.7.2)	888 Saddle Street - 125mm dia. HDPE DR 17 Sanitary Service Pipe Bursting	LS	1		
4.03	(1.7.2)	830 Saddle Street - 125mm dia. HDPE DR 17 Sanitary Service Pipe Bursting	LS	1		
4.04	(1.7.2)	850 Saddle Street - 125mm dia. HDPE DR 17 Sanitary Service Pipe Bursting - Provisional	LS	1		
4.05	(1.7.3)	Sanitary Service Transfers (incl. wye)	each	9		
5.0	33 30 01S	SANITARY SEWERS				
5.01	(1.6.3.1)	821 Saddle Street - 100mm dia. PVC DR28	each	1		
5.02	(1.6.3.1)	841 Saddle Street - 100mm dia. PVC DR28 - Provisional	each	1		
5.03	(1.6.3.1)	881 Saddle Street - 100mm dia. PVC DR28 - Provisional	each	1		
5.04	(1.6.4)	Inspection Chamber - COQ-S8A, COQ-S7A, MMCD S9 - Provisional	each	6		

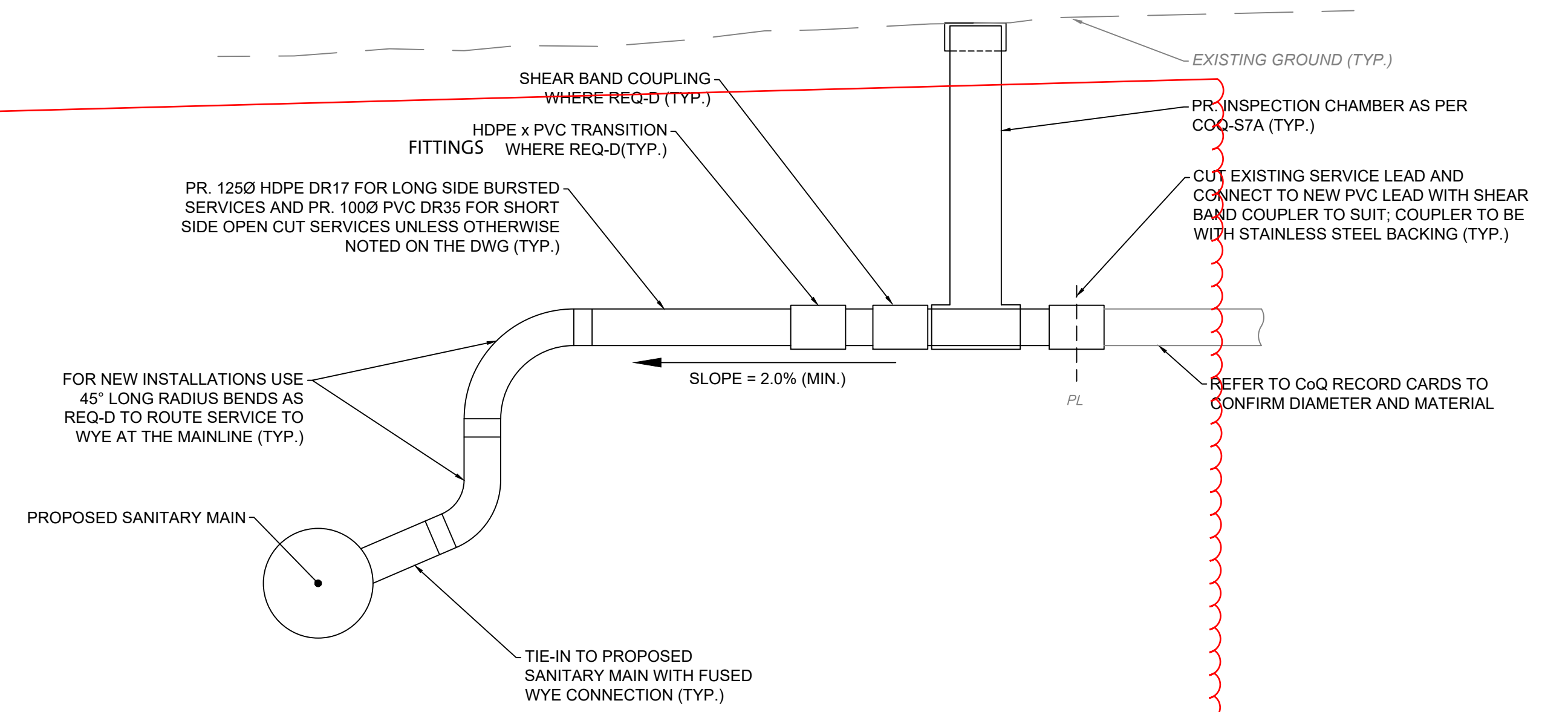
Total Tendered Price (exclude GST): \$ _____

(Transfer the amount to Form of Tender Summary Page 1)

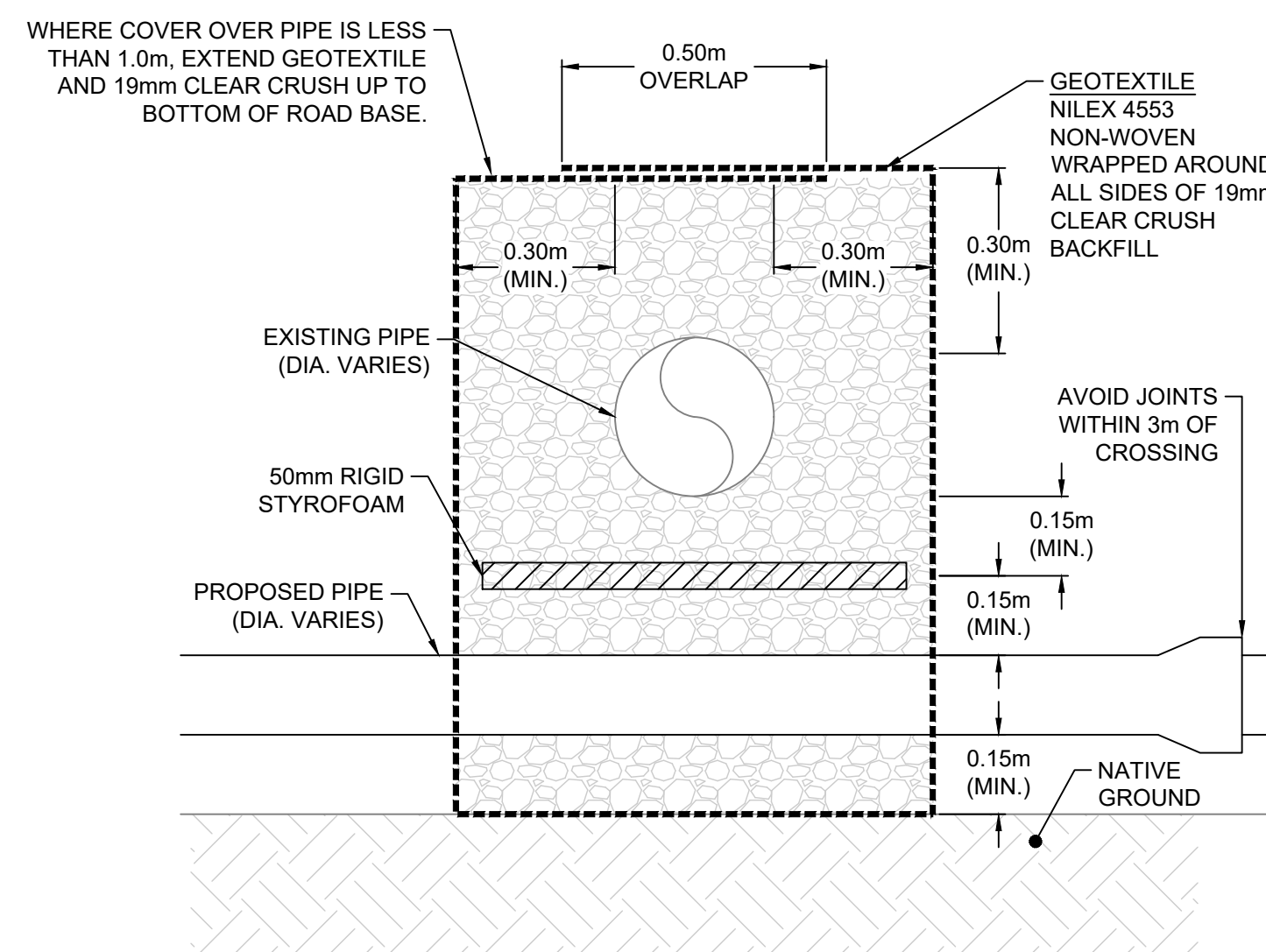
Name of Contractor: _____



DETAIL 1 - TYPICAL PIPE TRENCH
SCALE: NTS

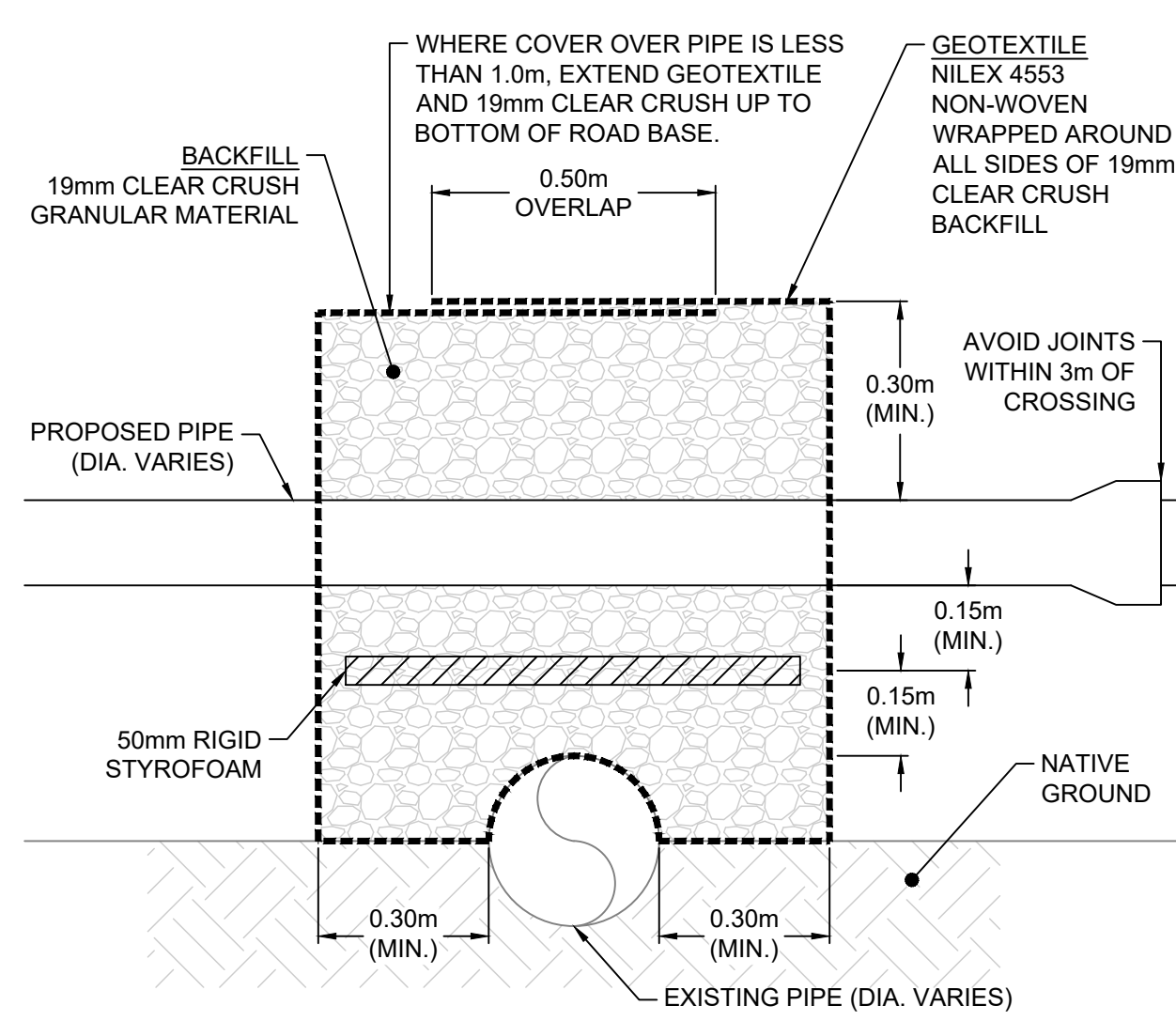


DETAIL 3 - NEW SANITARY SERVICE TIE-IN
SCALE: NTS



***WHERE VERTICAL GAP BETWEEN UTILITIES IS LESS THAN 300mm USE 100mm THICK RIGID STYROFOAM OR CONCRETE ENCASE PROPOSED PIPE PER MMCD STANDARD DETAIL G7.

BELOW



***WHERE VERTICAL GAP BETWEEN UTILITIES IS LESS THAN 300mm USE 100mm THICK RIGID STYROFOAM OR CONCRETE ENCASE EXISTING PIPE PER MMCD STANDARD DETAIL G7.

ABOVE

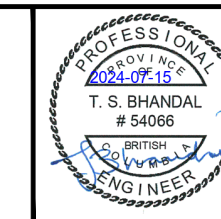
DETAIL 2 - TYPICAL UTILITY CROSSING
SCALE: NTS

File: C:\Users\jacob\OneDrive\Engineering and Land Services Ltd\33927\Project Files\2024\CADD\20_Drafting\202_Production\33927_Schedule_SH_PFL_CoverNotes.dwg

REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER	2024/06/28	AA	TSB
B	ISSUED FOR TENDER - REVISED	2024/07/12	AA	TSB



TYPICAL CONSTRUCTION DETAILS



ISSUED FOR TENDER

DESIGN NO.

33927



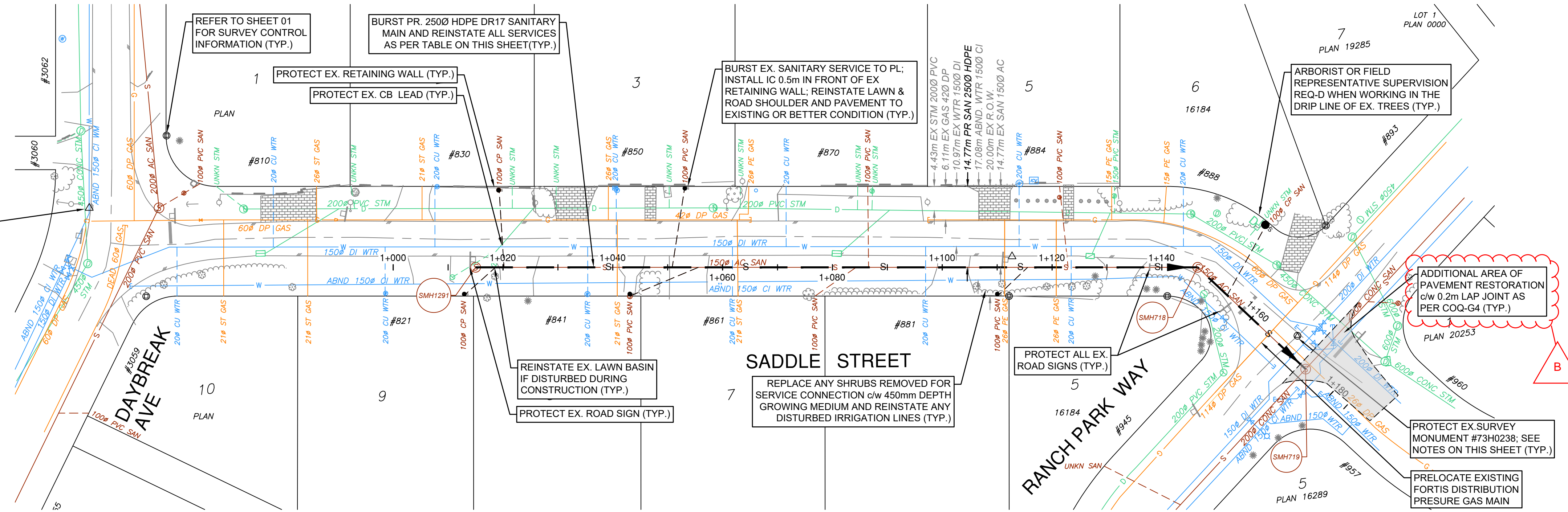
#201, 3999 Hemming Drive, Burnaby, B.C. V5C 6P9
T: (604) 293-2008 F: (604) 293-2008

SCALE	AS SHOWN	CREATION DATE	2024/06	DWG. NO.
DRAWN BY	AA	DESIGN BY	AA	02 OF
CHECKED BY	TSB	APPROVED BY	TSB	03
PLOT DATE	July 12, 2024			REV. B

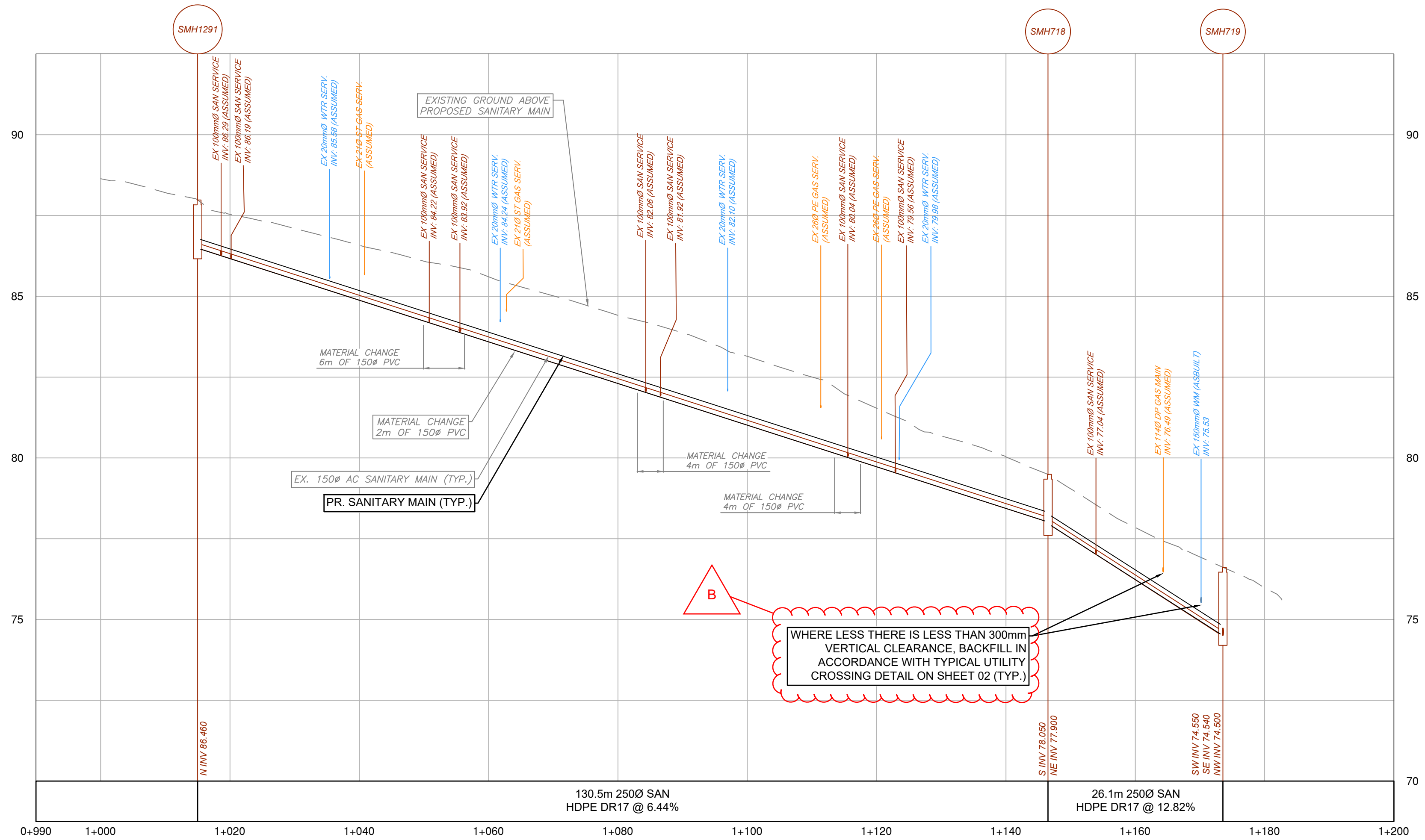
NOTES

- REFER TO COVER SHEET FOR SURVEY CONTROL.
- REFER TO SHEETS 01 AND 02 FOR SANITARY SEWER CONSTRUCTION NOTES AND DETAILS.
- ALL LONG SIDE SANITARY SERVICES TO BE BURSTED UNLESS NOTED OTHERWISE. ALL SHORT SIDE SERVICES TO BE OPEN CUT.
- ALL SERVICE CROSSINGS AND SIZES TO BE PRE-LOCATED PRIOR TO CONSTRUCTION AND ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES. CONTRACTOR TO CCTV ALL EXISTING SANITARY SERVICE CONNECTIONS AND PROVIDE TO CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION & TRANSFER OF NEW SEWER.
- CONDUITS AND DUCTS ARE TO BE PRE-LOCATED WITH HYDROVAC PRIOR TO CONSTRUCTION TO CONFIRM DEPTH OF COVER. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES.
- CONTRACTOR TO RETAIN EXISTING SANITARY MANHOLES.
- ALL PROPOSED SANITARY SEWER MAINLINE TO BE 250mm HDPE DR17.
- ALL LONG SIDE BURSTED SERVICE CONNECTIONS TO BE MINIMUM 125Ø HDPE DR17 AND ALL OPEN CUT SHORT SIDE CONNECTIONS TO BE 100Ø PVC DR35. SERVICES TO BE UPGRADED UP TO PROPERTY LINE (UNLESS NOTED OTHERWISE ON DRAWINGS) COMPLETE WITH INSPECTION CHAMBER PER MMCD S9 C/W CONCRETE BROOKS BOX WITH STEEL PLATE LID MARKED "SANITARY".
- ALL HYDRO POLES AND STREETLIGHT POLES TO BE SUPPORTED DURING EXCAVATION.
- FINAL LOCATION OF IC CHAMBERS TO BE CONFIRMED WITH CONTRACT ADMINISTRATOR OR FIELD REPRESENTATIVE PRIOR TO EXCAVATION.
- EXISTING SANITARY FLOW TO BE BYPASSED DURING CONSTRUCTION AS REQUIRED.
- EXISTING PVC SERVICES ARE TO BE TREATED AS OPTIONAL UPGRADES UNTIL PRE-CONSTRUCTION VIDEO IS REVIEWED BY CONTRACT ADMINISTRATOR OR FIELD REPRESENTATIVE. CITY WILL CONFIRM IF PVC SERVICES REQUIRE FULL UPGRADE OR INSPECTION CHAMBER INSTALLATION ONLY.

SURVEY CONTROL POINT (TYP.) SEE NOTES ON THIS SHEET FOR DETAILS.



SANITARY SERVICE LIST				
PROPERTY	EX. SERVICE	LOCATION (ASBUILT)	IC RIM ELEV	COMMENTS
888 SADDLE STREET	100Ø CP	10.67 S OF N PL	-	REPLACE
884 SADDLE STREET	100Ø PVC	11 m S OF N PL	±80.93m	TRANSFER
870 SADDLE STREET	100Ø PVC	10.65m S OF N PL	-	TRANSFER
850 SADDLE STREET	100Ø PVC	9.14m S OF N PL	-	REPLACE
830 SADDLE STREET	100Ø CP	9.14m S OF N PL	-	REPLACE
821 SADDLE STREET	100Ø CP	1.83m S OF N PL	-	REPLACE
841 SADDLE STREET	100Ø PVC	2.13m S OF N PL	-	REPLACE
861 SADDLE STREET	100Ø PVC	1.83m S OF N PL	-	TRANSFER
881 SADDLE STREET	100Ø PVC	2.13m S OF N PL	-	REPLACE



WHERE LESS THERE IS LESS THAN 300mm VERTICAL CLEARANCE BACKFILL IN ACCORDANCE WITH TYPICAL UTILITY CROSSING DETAIL ON SHEET 02 (TYP.)

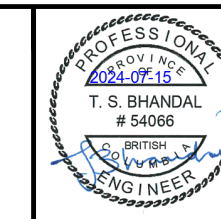
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REV NO.	REVISION DESCRIPTION	DATE	DRAWN	APPRD
A	ISSUED FOR TENDER	2024/07/12	AA	TSB
B	ISSUED FOR TENDER - REVISED	2024/07/12	AA	TSB



SANITARY SEWER

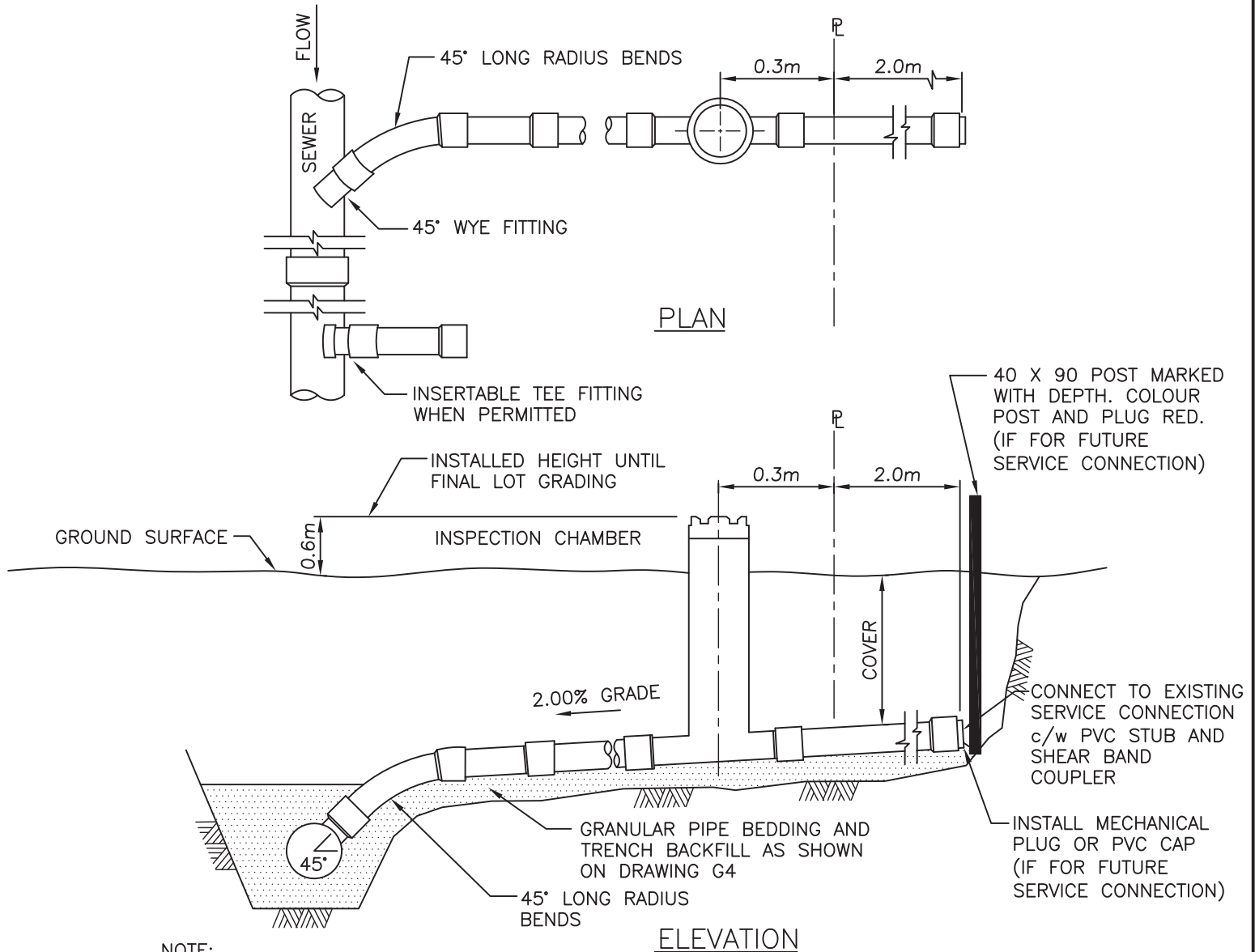
SADDLE STREET
STA 1+000m TO STA 1+200m



#201, 3998 Hemming Drive, Burnaby, B.C. V5C 6P9
T: (604)293-2598 F: (604)293-2598

ISSUED FOR TENDER		DESIGN NO.		33927	
SCALE	AS SHOWN	CREATION DATE	2024/06	DWG. NO.	03
DRAWN BY	AA	DESIGN BY	AA	OF	03
CHECKED BY	TSB	APPROVED BY	TSB	REV.	B
PLOT DATE	July 12, 2024				

***Appendix B -
Standard Detail Drawings***



NOTE:

1. CONNECTIONS TO BE 100mm PVC SDR28 OR AS SPECIFIED ON CONTRACT DRAWINGS OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
2. CONNECTION TO BE INSTALLED AT 2% GRADE FROM WYE AT MAIN TO PROPERTY LINE UNLESS OTHERWISE INDICATED ON THE CONTRACT DRAWINGS OR AS APPROVED BY CONTRACT ADMINISTRATOR. ONLY 45 DEGREE LONG RADIUS CAN BE USED FOR BENDS.
3. DISTANCE OF INSPECTION CHAMBER AND MARKER AS SHOWN OR AS SPECIFIED ON CONTRACT DRAWINGS OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
4. SEE DRAWING S9 FOR DETAILS OF INSPECTION CHAMBER AND INSTALLATION REQUIREMENTS.
5. IC LID (RED COLOR) TO BE 25mm BELOW THE BASE OF SOD FINAL ELEVATION.
6. LOCATION OF INSPECTION CHAMBER AND MARKER AS SHOWN OR AS SPECIFIED ON CONTRACT DRAWINGS UNLESS OTHERWISE DIRECTED BY CONTRACT ADMINISTRATOR.
7. IN DRIVEWAYS, INSPECTION CHAMBER IS TO BE INSTALLED WITH BROOKS BOX. BROOKS BOX WITH METAL LID IS TO BE INSTALLED PARALLEL TO THE DIRECTION OF THE FLOW.

PLOTTED: 13-Jul-20

SANITARY SEWER SERVICE CONNECTION

DATE:	JULY/2020
DRAWN:	REY
SCALE:	N.T.S.

DRAWING NUMBER:
COQ-S7A