



ADDENDUM NO. 3

Date: July 4, 2024

Project No. 2024-19-DEI

Project: Eighth Reconstruction

To: All Bidders

PRE-BID QUESTIONS

1. Question: Could you confirm if the schedule of prices included in addendum 1 is the most recent? There appears to be no changes.

Answer: Please see the most recent schedule of items and prices attached.

2. Question: Earth Excavation is missing from the schedule of items and prices.

Answer: Separate item for excavation will not be provided.

3. Question: The contract drawings note tack coat however there is no item for this.

Answer: EXP has revised the line-item E-2 showing "Tack coat". Please see the revised schedule of items and prices attached.

4. Question: Also the answer to question 4, notes that as much material is to be re-used onsite as is possible. However, as there is little change to the profile grade and the project introducing 3,545 tonnes of granular A and B there will be considerable material to generated from this in addition to some sewer spoil. Is there another area that would potentially utilize this material? Without some soil test results, are we to allow for some of the material to be contaminated and disposed of as such?

Answer: For bidding purpose few line items have been added such as 250 m3 soil meets Table 2.1 and 250 m3 exceeds Table 3.1. Refer to attached schedule of items and prices.

5. Question: The existing watermain is shown as transite pipe. To confirm, will the Town be responsible for the removal, bagging, tagging, and disposal of the transite pipe from the cut in tees? If not, can you please provide a separate item for this?



Answer: Separate item for handling of transite pipe will not be provided. The contractor should include it in the price for the new fire hydrants installation.

6. Question: It's to our understanding that the entire road base will be excavated and replaced. We do not foresee a substantial quantity of soils to be reused other than backfilling of trenches. Will the Town be completing testing on the soils for disposal? For bidding purposes, should we assume a certain quality of soil, ie meeting Table 2.1 or 3.1?

Answer: Soil testing, to determine whether it meets Table 2.1 or exceeds Table 3.1, will be the responsibility of the contractor.

- Excess soil meeting Table 2.1 or exceeding Table 3.1 that cannot be reused on-site must be disposed off-site by the contractor in accordance with the applicable regulations.
 - For bidding purposes for Eighth Street, a few line items have been added such as offsite disposal of excess soil of 250 m³ soil meets Table 2.1 and 250 m³ when exceeding Table 3.1. Refer to attached revised schedule of items and prices.
7. Question: For the 'Connection to Existing Sanitary Sewer' item -2 each, could you clarify which connections these are referring to?

Answer: Please refer to the revised schedule of items and prices attached.

8. Question: Is PVC DR18 acceptable for watermain?

Answer: That shall be acceptable.

Please attach this addendum to your Tender document and be governed accordingly.
Bidders must acknowledge receipt of all addenda.

Schedule of Items and Prices

(AS APPENDED TO FORM OF TENDER)

The following are items and prices for: Rehabilitation Of Eighth Street - Barnet Boulevard to O'Brien Road

Item No.	Reference / Regulation Standards	Item Description	Estimated Quantities	Units	Unit Price	Amount
A		General Requirements				
1		Contract Initiation (2%)	1.0	LS		
2		Mobilization and Demobilization (4%)	1.0	LS		
3		Traffic Control Plan (TCP)	1.0	LS		
4		Pedestrian & Cyclist Control Plan (PCP)	1.0	LS		
5	OPSS 805	Erosion and Sedimentation Control Plan	1.0	LS		
6	OPSS 180	Soil Management Plan and Excess Soil Disposal Documentation per O. Reg. 406/19	1.0	LS		
7		Legal Survey of R.O.W. by an OLS Surveyor	1.0	LS		
8	OPSS 493	Temporary Water Supply (All inclusive)	1.0	LS		
9		Temporary Wastewater Bypass and Pumping (All inclusive)	1.0	LS		
10		Bonding and Insurance	1.0	LS		
					Subtotal	\$ -
B		Removals				
1	OPSS.510	Asphalt Pavement including Driveway and Walkway Removal and Disposal	3,460.00	m ²		
2	OPSS 510	Removal of Concrete Driveway and Disposal	41.00	m ²		
3	OPSS 510	Removal of Gravel Driveway and Disposal	156.00	m ²		
4	OPSS 510	200mm dia. Sanitary Sewers removal and Disposal	19.00	m		
5	OPSS 510	Sanitary Service Lateral Removal and Disposal	8.00	m		
6	OPSS 510	Sanitary Maintenance Hole Removal and Disposal	4.00	ea		
7	OPSS 510, 928	Concrete Curb Removal and Disposal Full Depth	45.00	m		
					Subtotal	\$ -
C		Storm Sewers				
1	OPSS 407	1200mm dia. Pre Cast Concrete Storm Catch Basin Maintenance Hole c/w Frame and Cover	3.00	ea		
2	OPSS 410	600x600 Pre Cast Concrete Catch Basin c/w Frame and Grate	1.00	ea		
3	OPSS 410	375mm dia. PVC DR-28 Storm Pipe	73.00	m		
4	OPSS 410	200mm dia. PVC DR-35 Catch Basin Lead	14.00	m		
5	OPSS 410	Connection into Existing Storm Maintenance Hole	1.00	ea		\$ -
6	OPSS 441, OPD 1109.030	Storm Sewer Rigid Board Insulation HI-40	90.00	m ²		\$ -
					Subtotal	\$ -

D		Sanitary Sewers				
1	OPSS 407	1200mm dia. Pre Cast Concrete Sanitary Maintenance Hole c/w Frame and Cover	4.00	ea		
2	OPSS 407	200mm dia. PVC DR-35 Sanitary Pipe	19.00	m		
3	OPSS 410	135mm dia. PVC DR-28 Sanitary Service including Connection	8.00	m		
					Subtotal	\$ -
E		Watermain				
1	OPSS 441, OPSS 1105.010	Fire Hydrant Assembly including Valve, Valve Box, Marker and Appurtenances	2.00	ea		
2	OPSS 935, OPSS 1109.011	Cathodic Protection for Watermain, Hydrant Assembly, and Test Station	4	ea		
					Subtotal	\$ -
E		Roads				
1	OPSS 353, 904	Reinforced Concrete Barrier Curb	625.00	m		
2	OPSS 310, 313	Asphalt Pavement(Light Duty) HL3 PG 58-34	330.00	Ton		
3	OPSS 310, 314	Asphalt Pavement (Heavy Duty) HL8 PG 58-34	395.00	Ton		
4	OPSS 314, 501, 1010	Roadway Granular A Base including Compaction	945.00	Ton		
5	OPSS 314, 501, 1010	Roadway Granular B Type II Subbase including Compaction	2,600.00	Ton		
6	OPSD 216.021	Roadway Perforated Pipe 150mm dia. Subdrain	600.00	m		
7	OPSS 351, 904	Monolithic Concrete Curb & Sidewalk including Granular A Base (with TWSI)	575.00	m ²		
8	OPSS 802	100mm Topsoil Reinstatement	91.00	m ³		
9	OPSS 803	Sodding including Watering and Maintenance	910.00	m ²		
10	OPSS 710	Pavement Marking including Crosswalk LineS, Stop Bars and Tails	1.00	LS		
11	OPSS 310, 314	Tack Coat	1.00	LS		
					Subtotal	\$ -
F		Miscellaneous				
1		Stop Sign and Post Removal, Salvage and Reinstallation	2.00	ea		
2		Street Sign and Post Removal, Salvage and Reinstallation	2.00	ea		
3	OPSS 310, 313, 1010	Asphalt HL3 PG58-34 Driveway and Walkway Reinstatement, including Granular A Base and Ganular B Subbase	680.00	m ²		
4	OPSS 1010	Gravel Driveway Reinstatement, including Granular A Base and Granular B Subbase	156.00	m ²		
5	OPSS 351, 904	Concrete Driveway Reinstatement, Granular A Base and Granular B Subbase	30.00	m ²		
6	OPSS 310, 314, 1150	Temporary asphalt ramps at all driveways and at both the intersections with HL8 (after placement of first asphalt lift (HL8)	1.00	LS		
7		Town Allowance	1.00	LS	\$ 50,000.00	\$ 50,000.00
					Subtotal	\$ -
H		Earthwork				
1		Offsite Soil Disposal - Assuming Soil Meets Table 2.1	250.00	m ³		
2		Offsite Soil Disposal - Assuming Soil Meets Table 3.1	250.00	m ³		
					Subtotal	\$ -
TOTAL TENDER AMOUNT (Excluding H.S.T.)						\$ -

SANITARY AND STORM MANHOLES

Spec. OPSS.MUNI 407

S.P. The work deemed to be included in the unit price for this item shall be as follows:

General

The contractor shall supply and install sanitary and storm maintenance holes in accordance with the Ontario Provincial Standard Specifications and Drawings, except where amended and extended herein.

Construction

Storm and sanitary sewers specifications are amended and extended as follows:

- a) All sanitary maintenance holes installation shall conform to OPSD 701.010 and drop structures shall be in accordance with OPSD 1003.031.
- b) All storm maintenance holes installation shall conform to OPSD 701.010.
- c) All sewer pipes and precast manholes shall have approved rubber gaskets on all joints.
- d) A “filter trap” constructed of a filter cloth shall be provided on all manhole frames and covers. The filter cloth shall be adequately secured such that construction dirt and materials are prevented from entering the sewers. The filter traps shall be maintained until the date of Substantial Completion.
- e) All manholes shall be constructed to an elevation flush with base course asphalt when they lie within the proposed driving surface. The frame and cover shall not exceed 300 mm from the precast manhole structure when adjusted to top course asphalt with spacers. All dimensions are to be top of the frame and cover.
- f) Frames and covers are to be adjusted to final course asphalt elevation or as noted otherwise on the drawings. Frames and covers shall be to the Ontario Provincial Standards, OPSDs 401.010.
- g) Sanitary manholes are to be benched and storm manholes shall have a sump to Ontario Provincial Standards, unless otherwise detailed on the contract drawings.
- h) All sanitary manholes shall be hydrostatically tested in accordance with OPSS 407.07.26. The field tests shall be performed in the presence of a certified professional engineer, who shall submit a certified copy of the test results to the Town of Renfrew.
- i) The unit price for manhole structures shall include all costs to supply and install precast manholes complete with frame and covers, concrete caps, landings, drop pipes, excavation, bedding, backfill, compaction all appurtenances and manufactured bulkheads where indicated on the drawings all as per applicable OPS standards. The work shall also include all necessary costs for hydrostatic testing and associated test results.

- j) Bedding requirements shall be consistent with OPSS specifications but shall be increased consistent with Geotechnical Investigation Report.

Measurement for Payment

Measurement will be made by each manhole unit installed.

Basis of Payment

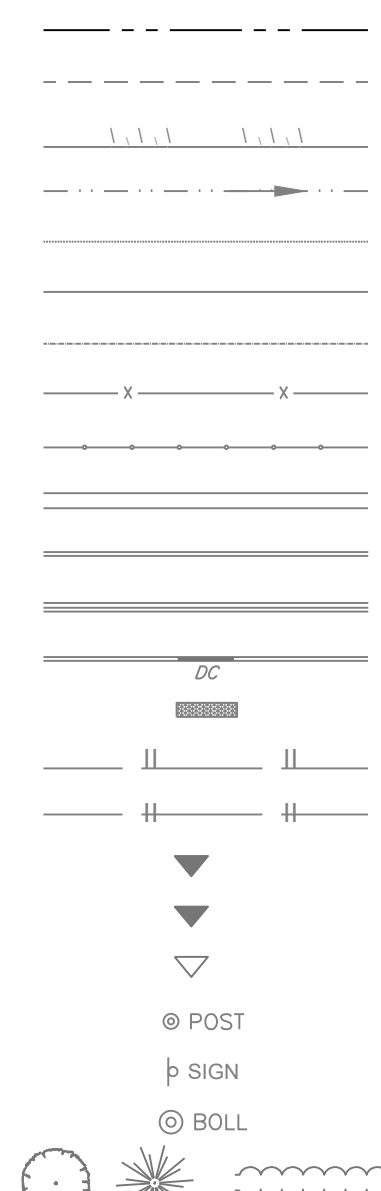
Payment at the Contract price for the tender item shall include full compensation for all labour, equipment and material required to do the work.

DESCRIPTION

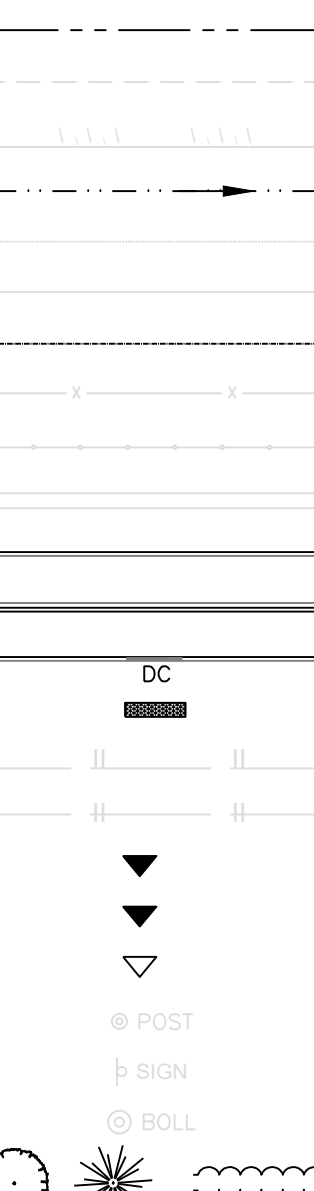
SITE FEATURES

- PROPERTY LINE
TOP OF SLOPE
TERRACING (3:1 TYPICAL)
DITCH/SWALE AND DIRECTION OF FLOW
EDGE OF SHOULDER
EDGE OF PAVEMENT
ROAD ALIGNMENT
CHAINLINK FENCE
POST AND RAIL FENCE
SIDEWALK (TYPE AS NOTED ON DRAWINGS)
BARRIER CURB (SC1.1)
MOUNTABLE CURB (SC1.3)
DEPRESSED CURB
TACTILE WALKING SURFACE INDICATOR 'TWSI' (SC7.3)
GUARDRAIL
JERSEY BARRIERS
BUILDING ENTRY/EXIT WITH RISERS
BUILDING ENTRY/EXIT BARRIER FREE
BUILDING ENTRY/EXIT OVERHEAD DOOR
POST
SIGN
BOLLARD
VEGETATION

EXISTING

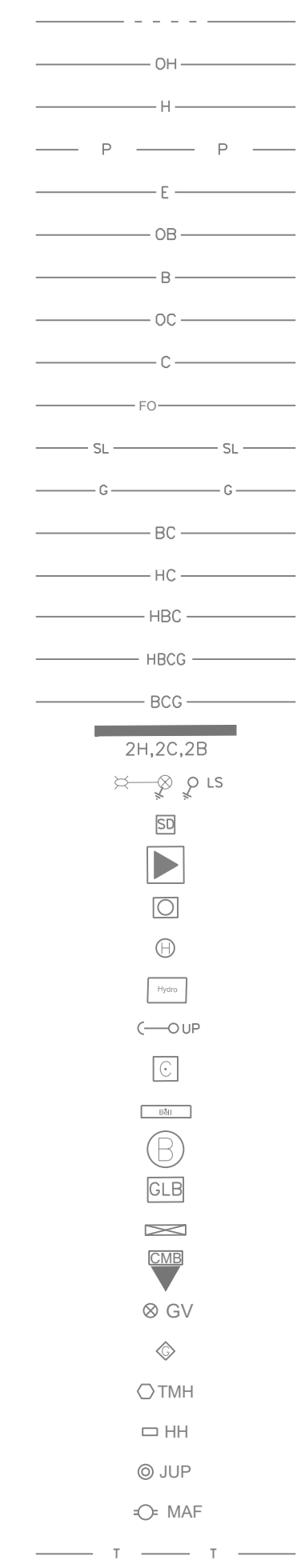


PROPOSED



UTILITY AND STRUCTURES

- JOINT UTILITY OVERHEAD LINE
HYDRO (OVERHEAD)
HYDRO
POWER
ELECTRICAL
BELL (OVERHEAD)
BELL
CABLE (OVERHEAD)
CABLE TV
FIBRE OPTIC
STREETLIGHT
GASMAIN
JOINT USE TRENCH - BELL/CABLE TV
JOINT USE TRENCH - HYDRO/CABLE TV
JOINT USE TRENCH - HYDRO/BELL/CABLE TV
JOINT USE TRENCH - HYDRO/BELL/CABLE TV/GAS
JOINT USE TRENCH - BELL/CABLE TV/GAS
DUCT CROSSING WITH NUMBER AND TYPE OF DUCTS
STREETLIGHT (c/w GROUND ROD WHERE REQUIRED)
STREETLIGHT DISCONNECT
HYDRO TRANSFORMER
HYDRO SWITCHING KIOSK
HYDRO MANHOLE
HYDRO METER
UTILITY POLE AND GUY WIRE
CABLE PEDESTAL
BELL PEDESTAL
BELL MANHOLE
BELL GROUND LEVEL BOX
ENDWALL
COMMUNITY MAILBOX
GAS VALVE
GAS METER
TRAFFIC MANHOLE
TRAFFIC HAND HOLE
TRAFFIC JOINT USE POLE
TRAFFIC MAST ARM
TRAFFIC CONDUIT

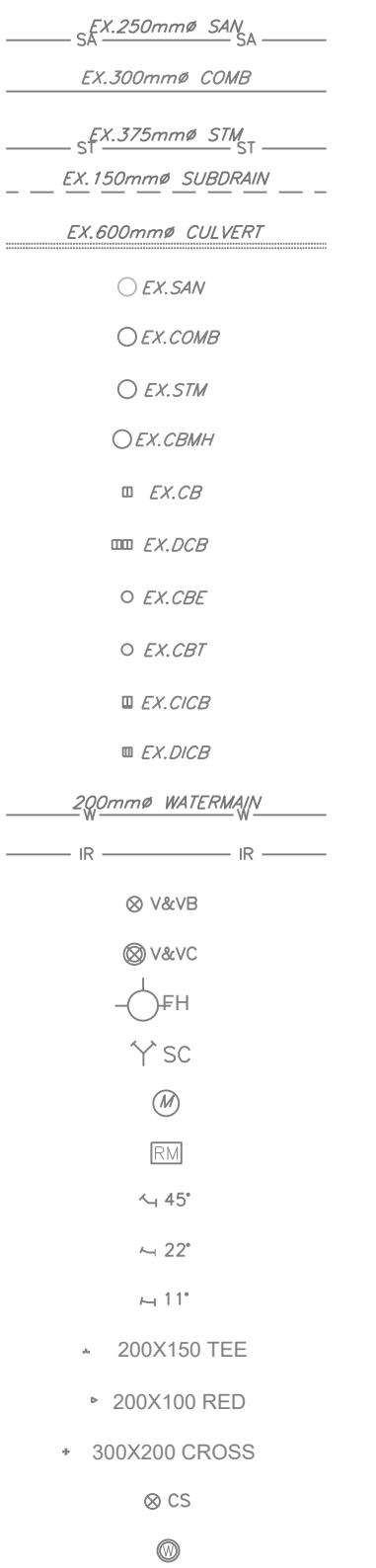


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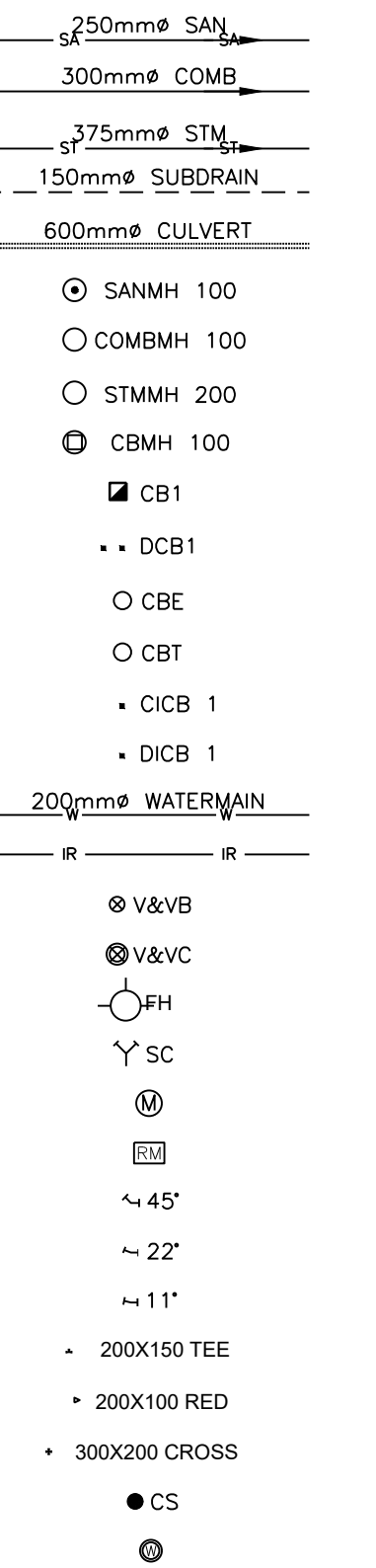
SERVICES AND STRUCTURES

- SANITARY SEWER
COMBINATION SEWER
STORM SEWER
STORM SUBDRAIN
STORM CULVERT
SANITARY MANHOLE
COMBINATION MANHOLE
STORM MANHOLE
CATCHBASIN MANHOLE
CATCHBASIN
DOUBLE CATCHBASIN
CATCHBASIN ELBOW (S30)
CATCHBASIN TEE (S31)
CURB INLET CATCHBASIN
DITCH INLET CATCHBASIN
WATERMAIN
IRRIGATION
VALVE AND VALVE BOX
VALVE AND VALVE CHAMBER
FIRE HYDRANT
SIAMESE CONNECTION
WATER METER
REMOTE WATER METER
45° BEND
22.5° BEND
11.25° BEND
TEE
REDUCER
CROSS
CURB STOP
WATER WELL

EXISTING

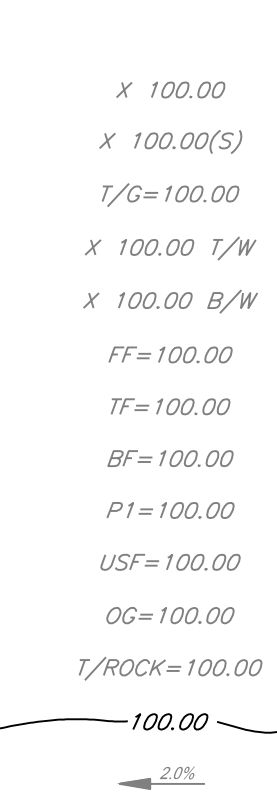


PROPOSED



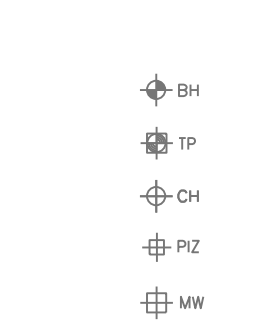
GRADING

- GROUND ELEVATION
SWALE ELEVATION
TOP OF GRATE ELEVATION
TOP OF WALL ELEVATION
BOTTOM OF WALL ELEVATION
FINISHED FLOOR ELEVATION
TOP OF FOUNDATION ELEVATION
BASEMENT FLOOR ELEVATION
PARKING LEVEL ELEVATION
UNDERSIDE OF FOOTING ELEVATION
ORIGINAL GROUND ELEVATION
TOP OF ROCK ELEVATION
CONTOUR LINES
SLOPE AND DIRECTION OF FLOW



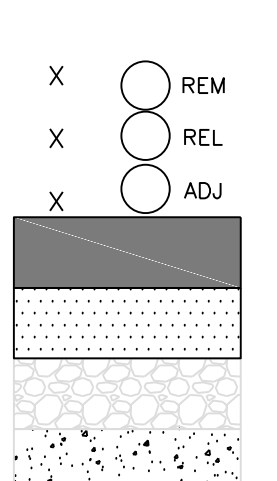
GEOTECHNICAL

- BOREHOLE
TEST PIT
COREHOLE
PIEZOMETER
MONITORING WELL



MISCELLANEOUS

- REMOVED
RELOCATED
ADJUSTED
ROAD REHABILITATION AREA
ASPHALT DRIVEWAY REINSTATEMENT AREA
GRAVEL DRIVEWAY REINSTATEMENT AREA
CONCRETE DRIVEWAY REINSTATEMENT AREA



GENERAL NOTES

- 1. ALL MATERIALS AND CONSTRUCTION METHODS TO THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARD DRAWINGS.
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION.
4. ALL UNITS ARE IN METERS OR MILLIMETERS UNLESS OTHERWISE NOTED.
5. ALL MUNICIPAL SERVICES TO BE CONSTRUCTED TO THE PROPERTY LINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED TO COMPLETE THIS WORK AND BEAR COST OF SAME.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND TRENCHING ALONG WITH BACKFILL TO STANDARDS SPECIFIED.
8. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL CONNECTIONS INTO THE EXISTING SEWERS AND WATERMANS.
9. SITE LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. AS-BUILT "SITE PLAN" WILL BE MAINTAINED ON SITE BY THE CONTRACTOR.
11. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' (EXTRA BEDDING) WITH UNDERLYING GEO-TEXTILE MATERIAL.
12. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FOUNDATION OF ADJACENT BUILDINGS DURING EXCAVATION AND CONSTRUCTION PERIOD.
13. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.
14. SOIL INFORMATION, IF SHOWN, IS NOT GUARANTEED. CONTRACTORS ARE ADVISED TO COLLECT ADDITIONAL SOIL INFORMATION AS DEEMED NECESSARY.
15. CONTRACTOR TO REMOVE ALL UNSUITABLE MATERIAL FROM THE SITE (i.e. STUMPS, LARGE ROOTS, ANY CONSTRUCTION DEBRIS, CONCRETE, ASPHALT, ROCK etc.).
16. THERMAL INSULATION TO BE INSTALLED AT OPEN STRUCTURES. (SEE DETAIL)
17. CONTRACTOR TO ADJUST EXISTING MANHOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES PER PLAN OR AS REQUIRED.
18. TRENCH EXCAVATIONS SHALL BE ACCORDING TO THE ONTARIO HEALTH AND SAFETY ACT CLAUSE 234.
19. THE CONTRACTOR MAY IMPORT GRANULAR MATERIAL, TO PROVIDE A WORKING AREA. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL IMPORTED MATERIALS AND RETURNING THE SITE TO ITS ORIGINAL GRADES, OR PROPOSED GRADES, AS SHOWN ON THE DRAWINGS.
20. ALL TWSIs SHOULD MATCH WITH THE CURB RADIUS. PROPOSED TWSIs SHALL BE AS PER OPSD 310.039 AND INSTALLATION SHALL BE DONE AS PER OPSD 310.033.

STORM AND SANITARY

- 21. ALL MANHOLES HAVING A GREATER DEPTH THAN 5.0 METERS FROM TOP OF GRATE ELEVATION TO THE CENTER OF PIPE OUTLET SHALL HAVE SAFETY PLATFORM INSTALLED AT MID POINT ELEVATION AS PER OPSD 404.020.
22. ALL SEWER SERVICES TO BE 100mm DIA. PVC SDR35, COLOUR WHITE, AND HAVE A MINIMUM SLOPE OF 2%, IF THE SIZE OF THE EXISTING SERVICE IS NOT 100mm, THE CONTRACTOR SHALL MAKE THE CONNECTION TO THE PROPOSED 100mm SERVICE USING A SLEEVE.
23. SEWER SECTIONS TO BE REPLACED ARE TO BE SPIGOT AND BELL TYPE.
24. SEWER MANHOLES SHALL BE PER OPSD 701.021, BENCHED FOR SANITARY, SUMP & STORM MANHOLE FRAME AND COVERS SHALL BE AS PER OPSD 401.010. OPEN FOR STORM AND CLOSED FOR SANITARY. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH OPSD 1003.010. CATCHBASINS SHALL BE PER OPSD 705.010. CATCHBASIN COVERS SHALL BE PER OPSD 400.100.
25. SEWERS SHALL BE VIDEO INSPECTED AFTER CONSTRUCTION.
26. WEAR COURSE ASPHALT TO BE PLACED AFTER A VIDEO INSPECTION OF SEWERS & RESULTING REPAIRS ARE CARRIED OUT AND PRIOR TO EXPIRATION OF 1 YEAR WARRANTY PERIOD.
27. SEWER TRENCH SHALL CONSIST OF A CLASS 'B' BEDDING CONSISTING OF 150mm OF GRANULAR 'A' BEDDING AND BACKFILLED WITH GRANULAR 'A' TO 300mm OVER SEWER. COMPACTION SHALL BE A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

GRADING

- 28. CONTRACTOR TO PRE-GRADE ROAD RIGHT-OF-WAY TO ABUTTING PROPERTIES, SO AS TO NOT CAUSE CHANNELIZED FLOWS.
29. THE CONTRACTOR SHALL COMPLETE ALL NECESSARY CLEARING AND GRUBBING. REVIEW WITH ENGINEER PRIOR TO CUTTING.
30. STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT. ALL JOINTS MUST BE SEALED.
31. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING ANY GRANULAR SUBBASE MATERIAL.
32. CONTRACTOR IS TO SUPPLY, PLACE AND COMPACT THE ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT. UPON REQUEST, CONTRACTOR WILL PROVIDE TO ENGINEER SAMPLES OF ASPHALT MATERIAL USED FOR THIS PROJECT AND IN SUFFICIENT QUANTITY TO ALLOW TESTING (GRADATION, ASPHALT CONTENT, ETC.) AND CERTIFICATION BY THE GEOTECHNICAL ENGINEER.

ROADWAY

- 33. GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
34. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.

ENVIRONMENTAL

- 35. FOR THE ENTIRE CONSTRUCTION PERIOD, MAINTAIN A FILTER FABRIC AROUND ALL MANHOLE TOPS.
36. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENT CONTROLS AND SILT FENCES TO CONTROL STORMWATER RUNOFF FROM THE CONSTRUCTION SITE.
37. THE CONTRACTOR SHALL ENSURE THAT THE SURFACE OF ALL ROADS ARE KEPT FREE OF MATERIAL FROM THE SITE.
38. DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE CONTRACTOR BY THE FOLLOWING TECHNIQUES:
a. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
b. RE-VEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
c. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
d. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL MANHOLES.
e. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
f. IN SOME CASES, BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
g. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED.
h. DURING THE COURSE OF CONSTRUCTION, IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL EROSION CONTROL METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
i. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENTATION CONTROLS TO COMPLY WITH THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) #577.

ROADWAY

- 37. ALL CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL BOOK 7 "TEMPORARY CONDITIONS."

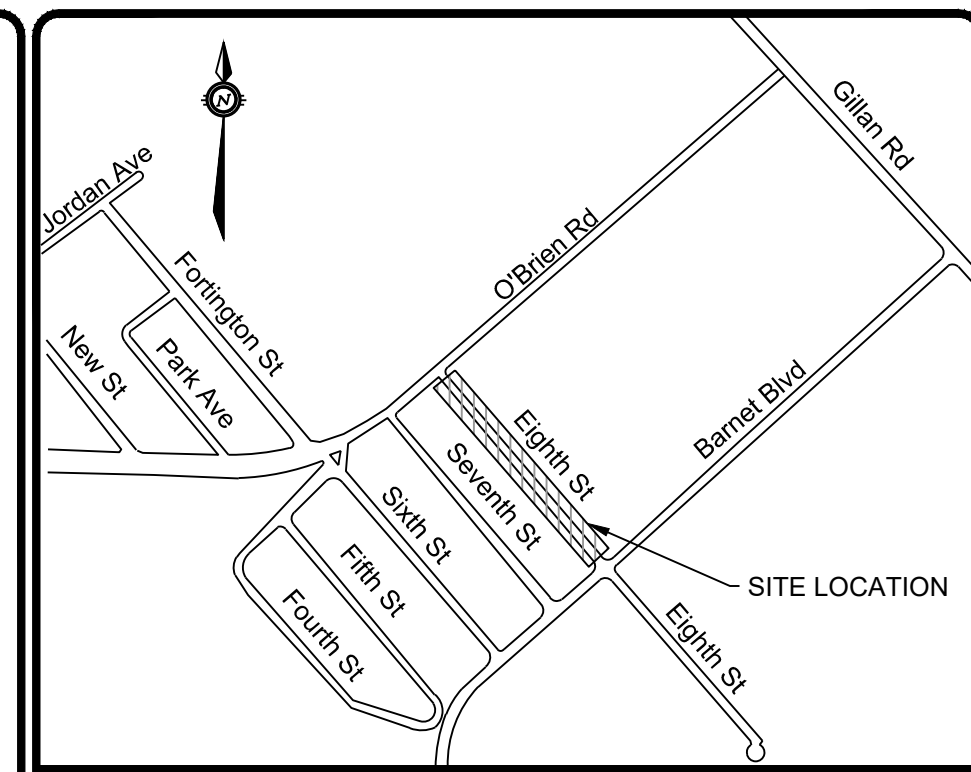


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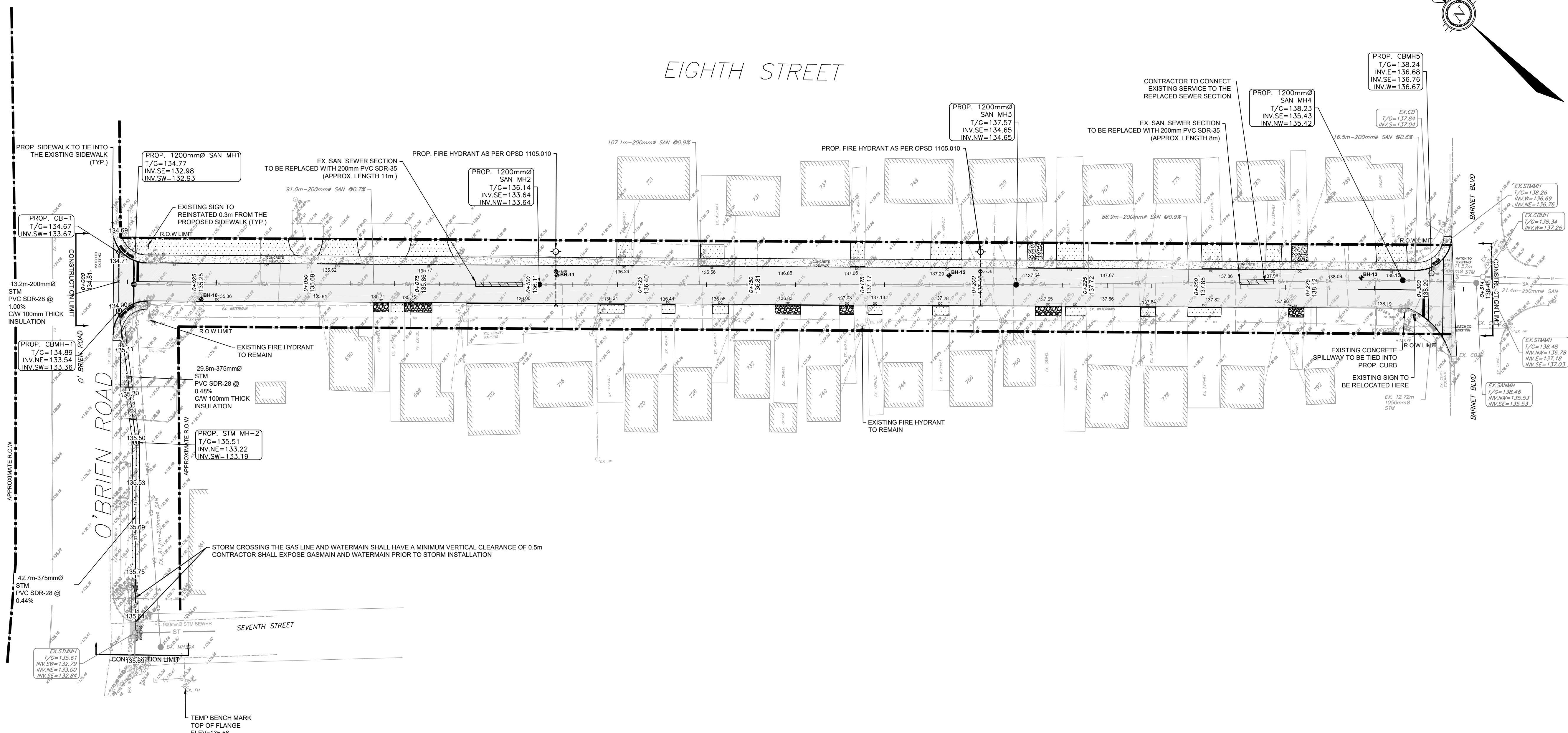
Renfrew logo and address: EIGHTH STREET RENFREW, ONTARIO

LEGENDS AND NOTES

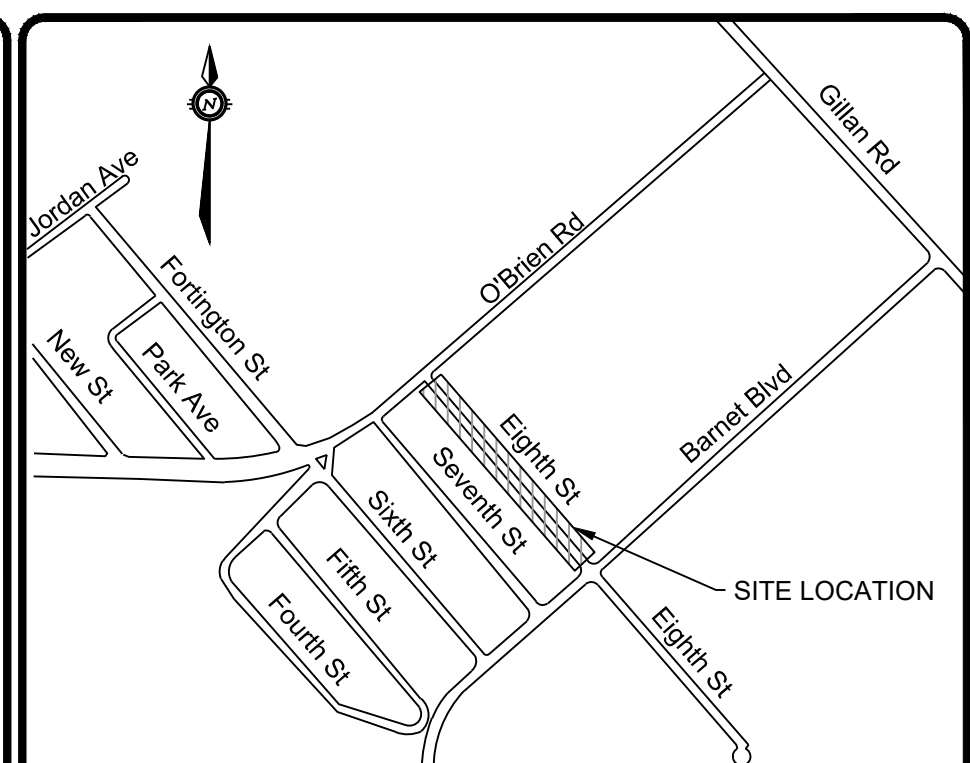
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DRAWING No. C300 - GRADING AND SERVICING PLAN FILE: E:\OTT\TT-22020563-A0160 Execution\65 Drawings\06-22020563-C300&400-Grading & Servicing PP-proposed.dwg



- NOTES:**
EXISTING BUILDINGS AND SURFACE FEATURES:
1. THE STREET SURVEY BARS ALONG THIS SEGMENT OF SEVENTH STREET AND O'BRIEN ROAD ARE NOT INDICATED ON THE DRAWINGS. FOR THIS REASON, THE ROAD RIGHT-OF-WAY (R.O.W.) IS APPROXIMATE ONLY.
 2. THE CONTRACTOR IS RESPONSIBLE TO CONDUCT, WITH THE TOWN, A CONDITION SURVEY OF EXISTING BUILDINGS, TREES AND OTHER PLANTS, LAWNS, FENCING, SERVICE POLES, WIRES, PAVEMENT, SURVEY BENCHMARKS AND MONUMENTS WHICH MAY BE AFFECTED BY WORK.
 3. PROTECT EXISTING BUILDINGS AND SURFACE FEATURES FROM DAMAGE WHILE WORK IS IN PROGRESS. IN EVENT OF DAMAGE, IMMEDIATELY MAKE REPAIR AS DIRECTED BY THE TOWN.
 4. WHERE REQUIRED FOR EXCAVATION, CUT ROOTS OR BRANCHES AS DIRECTED BY THE TOWN.



LEGEND

---	PROPERTY LINE
---	EXISTING WATERMAIN
---	EXISTING STORM SEWER
---	EXISTING SANITARY/COMBINED SEWER
---	EXISTING OVERHEAD UTILITY
---	EXISTING GAS LINE
---	PROPOSED STORM SEWER
---	PROPOSED WATERMAIN
○	EXISTING STORM MANHOLE
●	EXISTING SANITARY/COMBINED MANHOLE
□	EXISTING CATCHBASIN
○	EXISTING WATER VALVE
○	EXISTING UTILITY POLE
○	EXISTING SIGN
○	EXISTING FIRE HYDRANT
○	PROPOSED STORM MANHOLE
●	PROPOSED SANITARY/COMBINED MANHOLE
○	PROPOSED FIRE HYDRANT
○	PROPOSED SIGN
□	PROPOSED CATCHBASIN

No.	REVISIONS	Date	By	App.
4	ISSUED FOR ADDENDUM #1	JUL 03 2024	SVP	AA
3	ISSUED FOR TENDER	JUN 07 2024	S.V.P	A.A.
2	ISSUED FOR TOWNSHIP REVIEW	FEB. 2024	Y.A.	A.A.
1	ISSUED FOR TOWNSHIP REVIEW	DEC. 2022	M.S.	Y.A.

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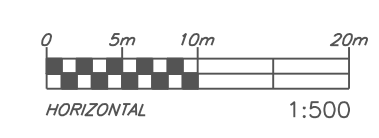
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 • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

Owner/Client:

Location:
**EIGHTH STREET
 RENFREW, ONTARIO**

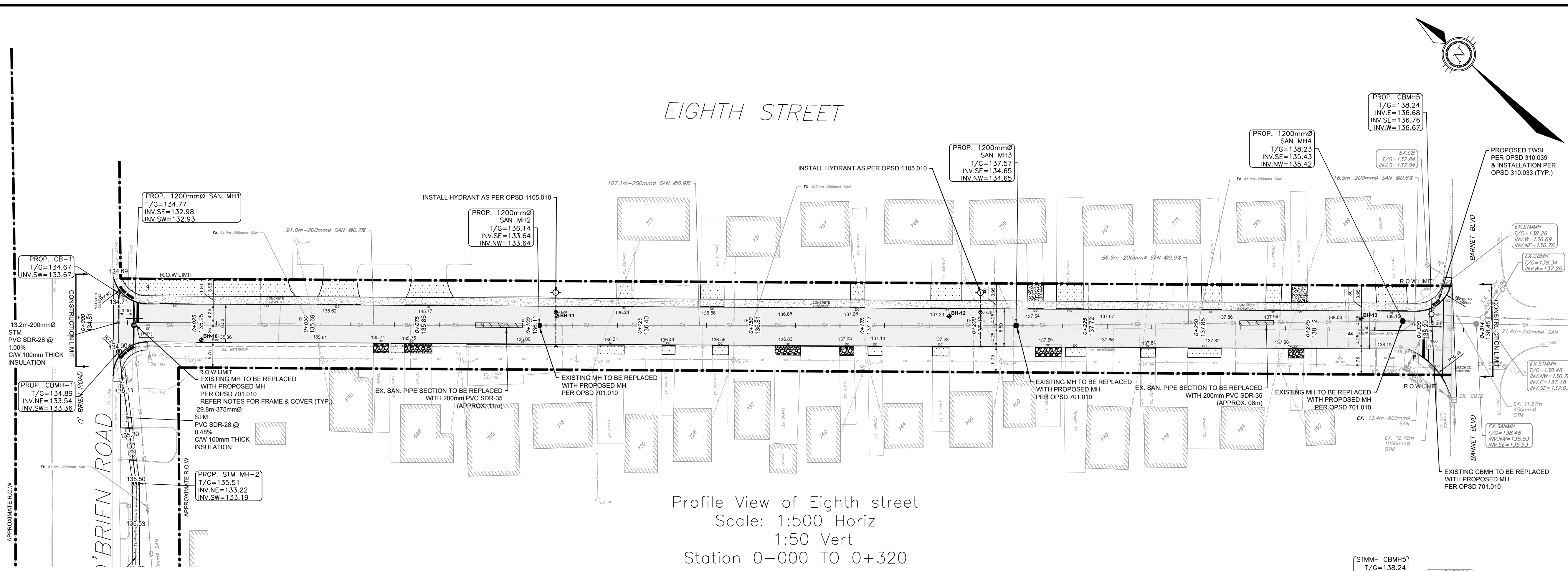
Title:
**GRADING AND SERVICING
 PLAN**

Designed By: Y.A.	Drawn By: Y.A.	Checked By: A.A.
Scale: 1:500	Date: MAY, 2024	Drawing No.:
Project No.: OTT-22020563-AO		C300

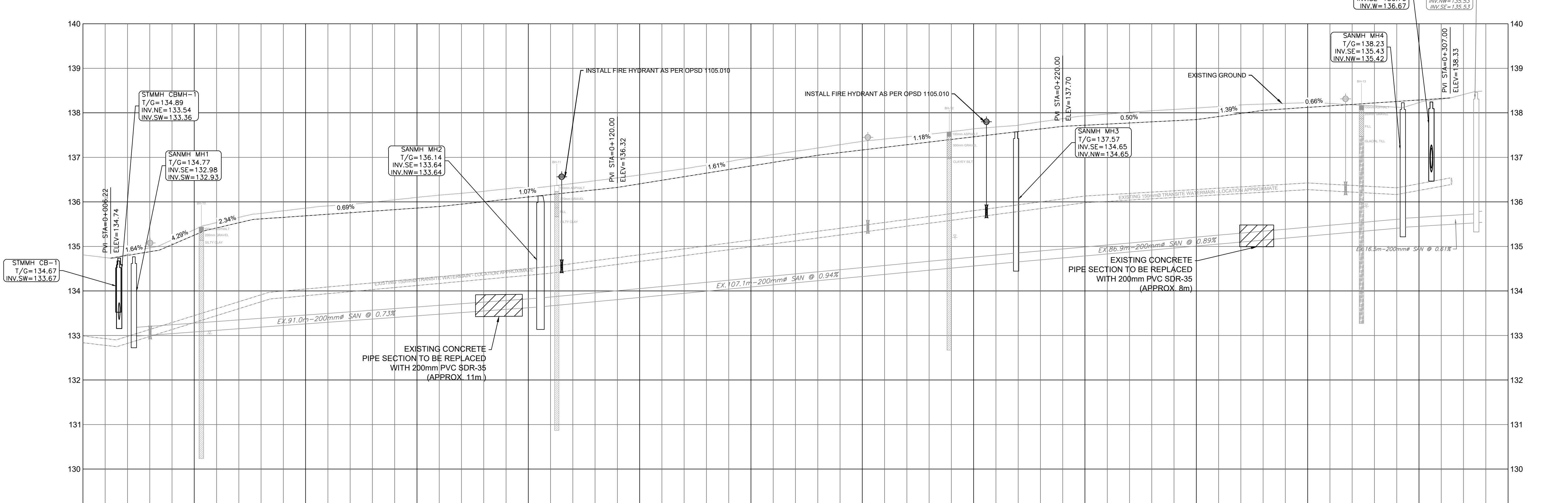


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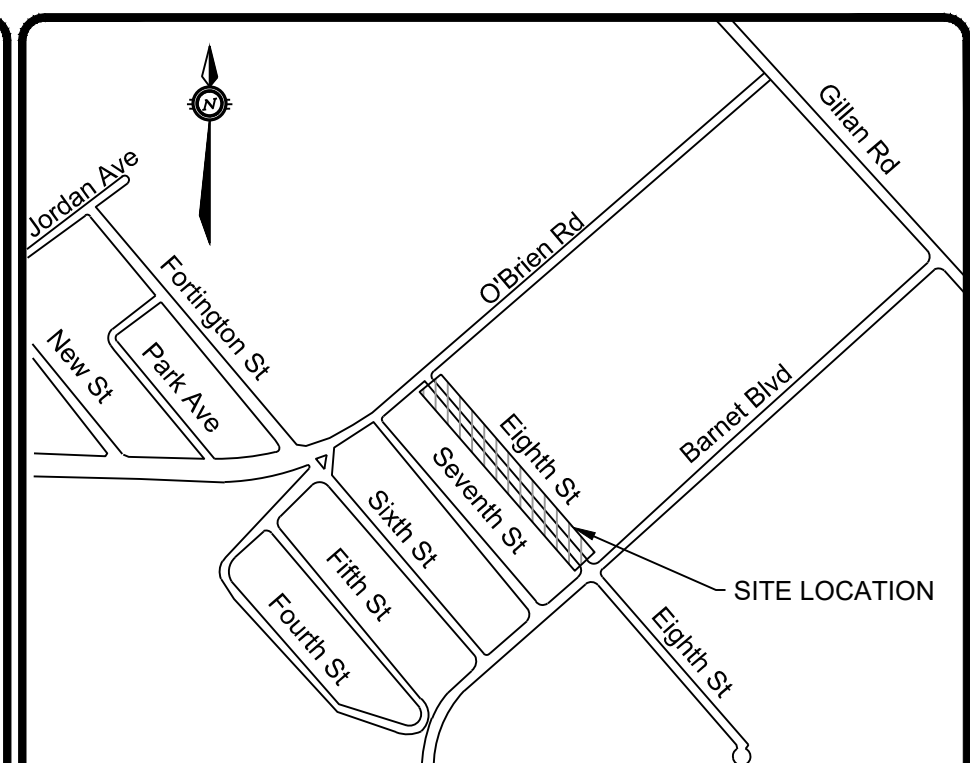
DRAWING No. C400 - PLAN AND PROFILE



Profile View of Eighth street
Scale: 1:500 Horiz
1:50 Vert
Station 0+000 TO 0+320



CHAINAGE	ELEVATIONS PROPOSED	TOP OF WATERMAIN	STORM SEWER INVERTS	SANITARY SEWER INVERTS
0+000	134.80	134.80		
0+011.4	134.88	134.88		132.98 SE
0+025	135.04	135.04		132.98 SE
0+050	135.25	135.25		
0+075	135.41	135.41		
0+100	135.53	135.53		133.65 SE
0+125	135.62	135.62		
0+150	135.65	135.65		
0+175	135.69	135.69		
0+200	135.72	135.72		
0+225	135.76	135.76		
0+250	135.79	135.79		
0+275	135.83	135.83		
0+300	135.86	135.86		
0+320	135.90	135.90		



LEGEND

---	PROPERTY LINE
---	EXISTING WATERMAIN
---	EXISTING STORM SEWER
---	EXISTING SANITARY/COMBINED SEWER
---	EXISTING OVERHEAD UTILITY
---	EXISTING OVERHEAD HYDRO
---	PROPOSED STORM SEWER
---	PROPOSED WATERMAIN
○	EXISTING STORM MANHOLE
○	EXISTING SANITARY/COMBINED MANHOLE
○	EXISTING CATCHBASIN
○	EXISTING WATER VALVE
○	EXISTING VALVE CHAMBER
○	EXISTING UTILITY POLE
○	EXISTING SIGN
○	EXISTING FIRE HYDRANT
○	PROPOSED STORM MANHOLE
○	PROPOSED SANITARY/COMBINED MANHOLE
○	PROPOSED FIRE HYDRANT
○	PROPOSED CATCHBASIN

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1	ISSUED FOR TOWNSHIP REVIEW	DEC. 2022	M.S.	Y.A.

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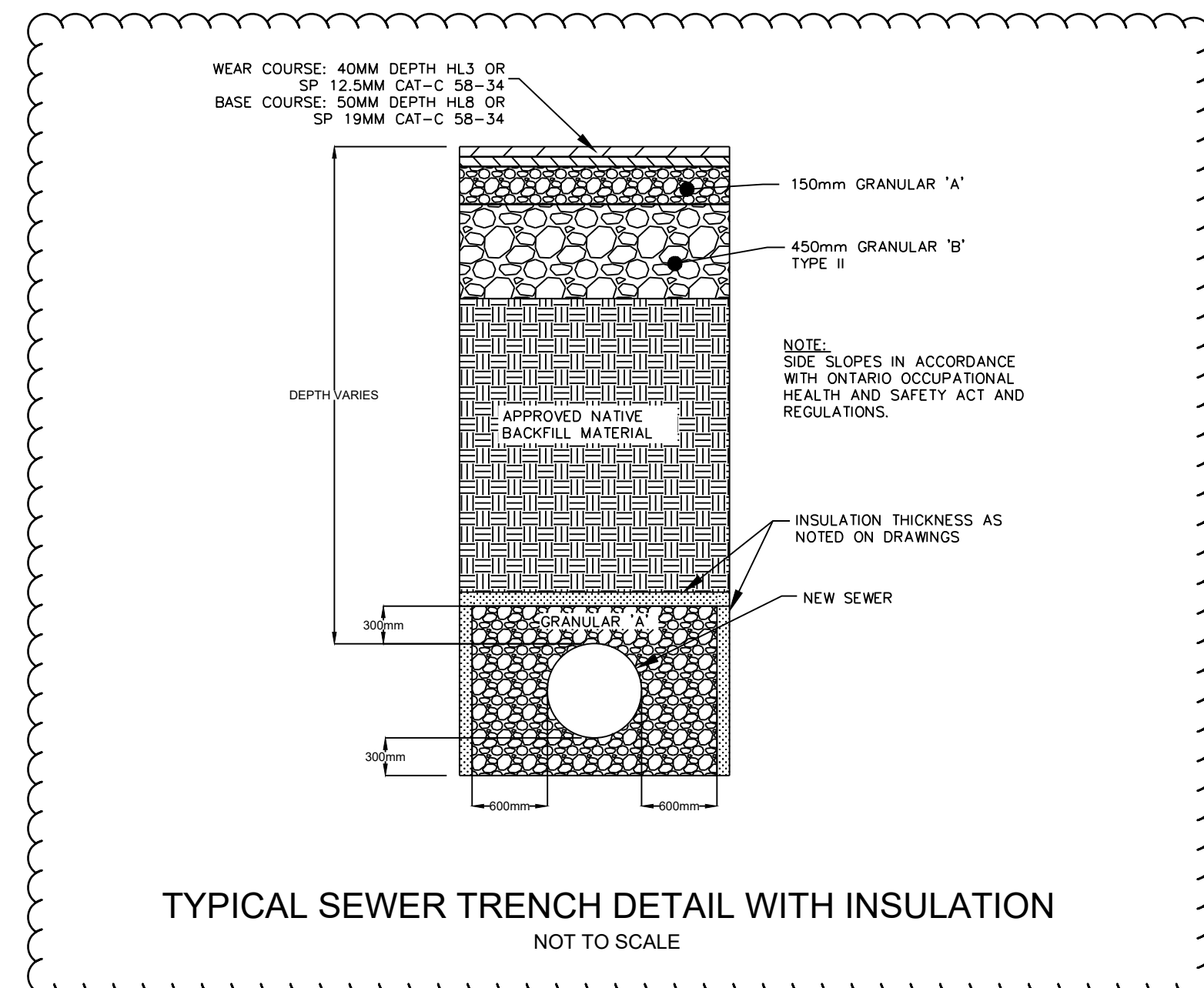
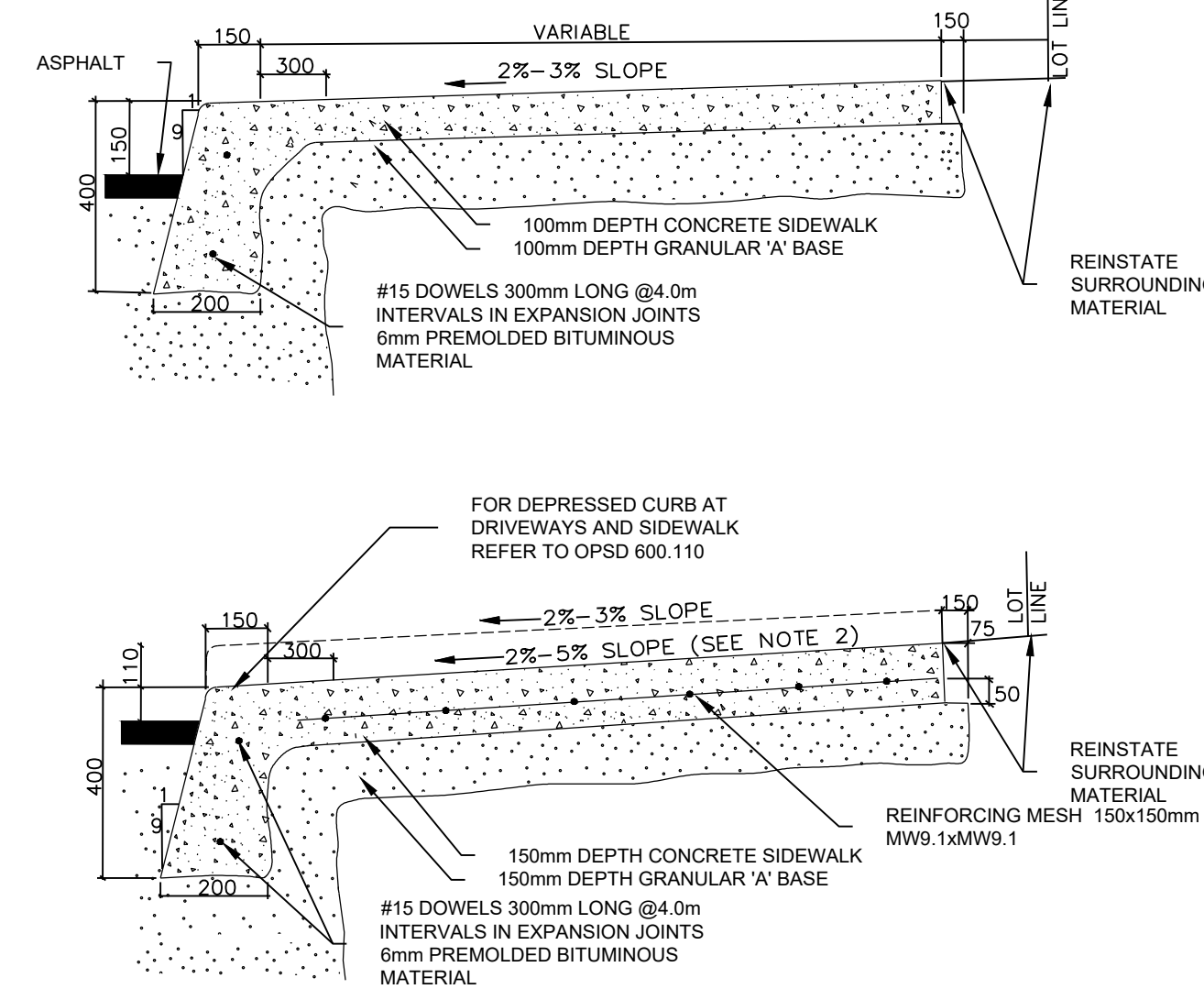
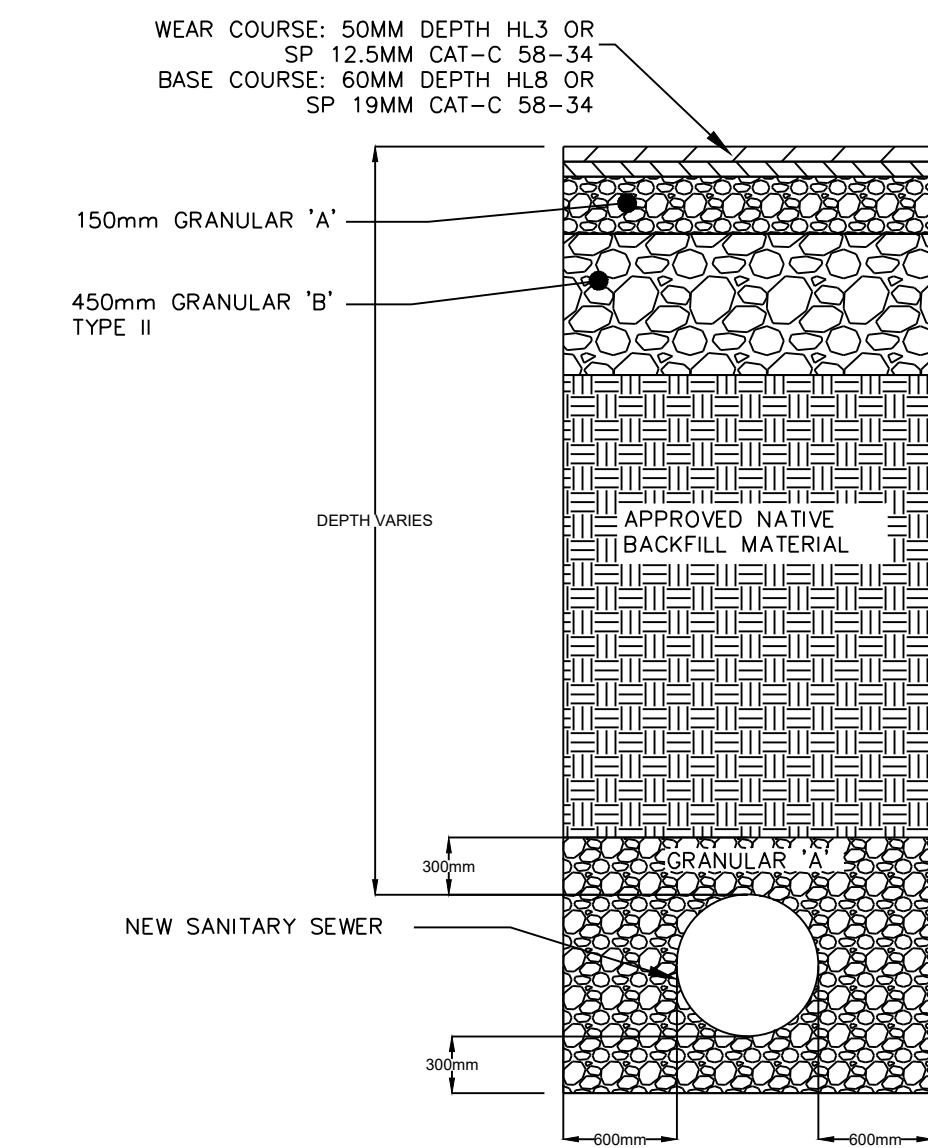
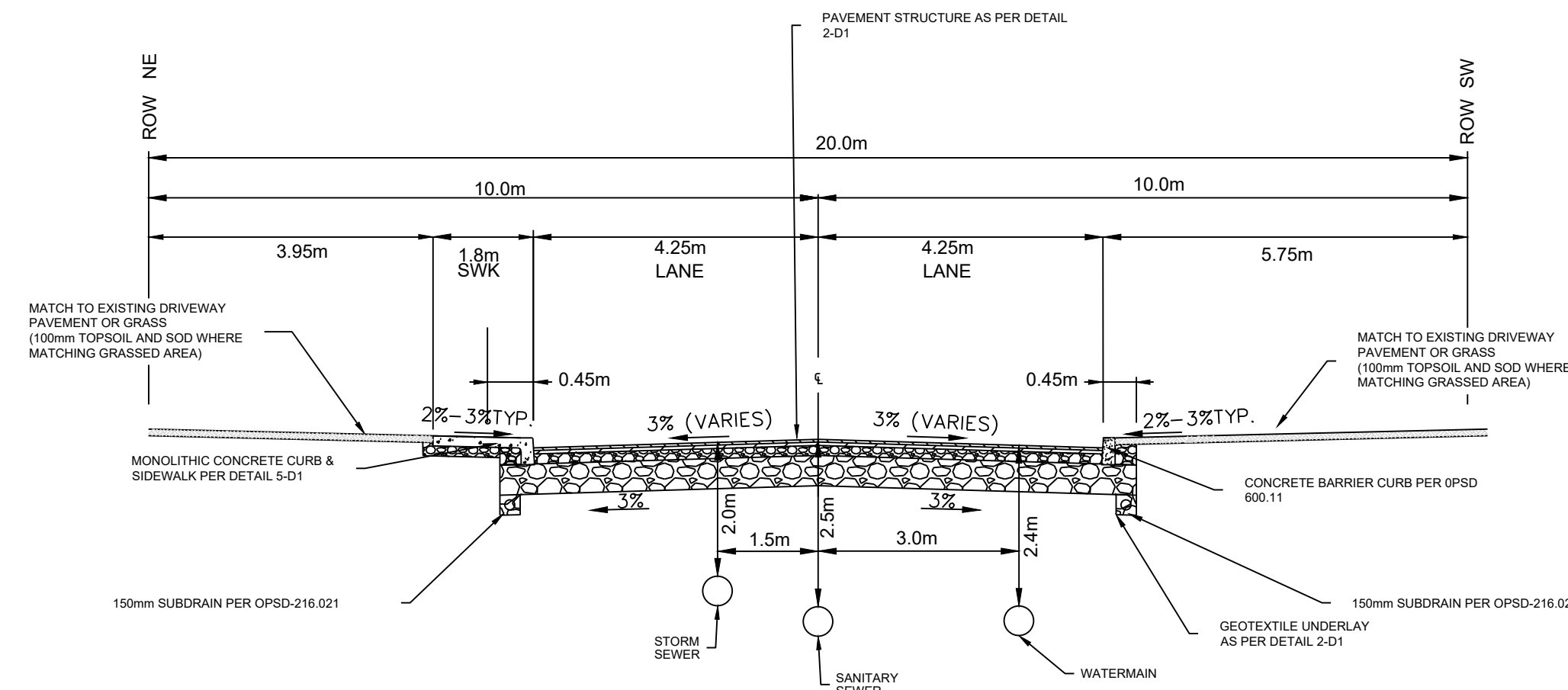
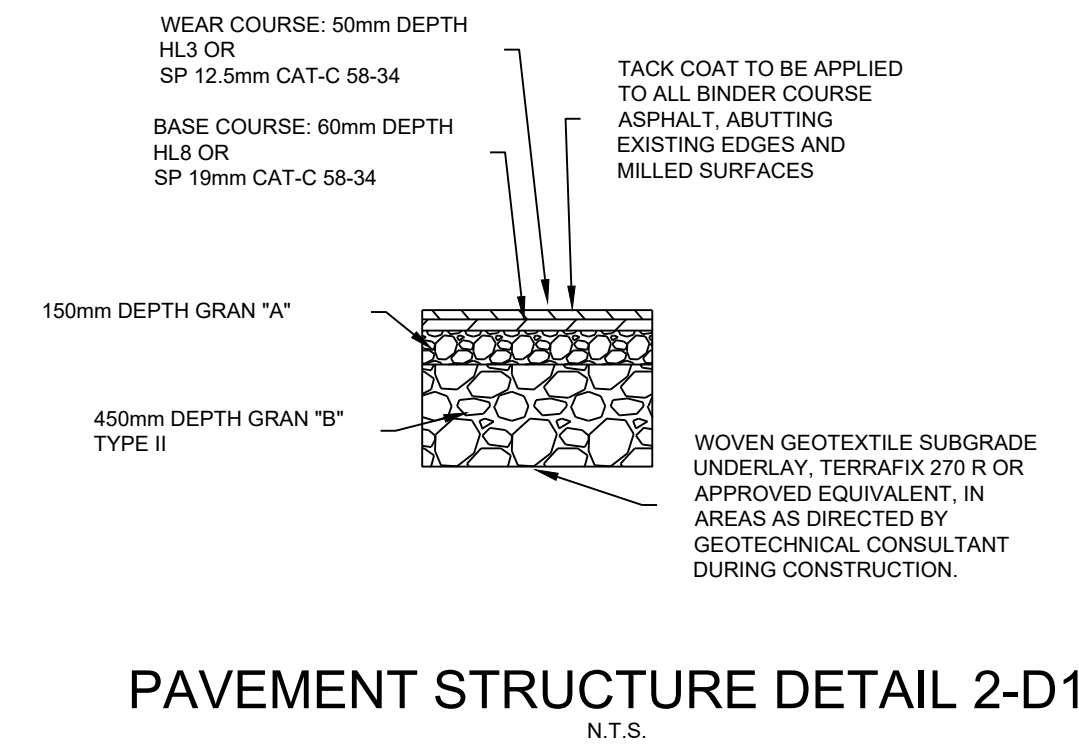
Owner/Client:

Renfrew

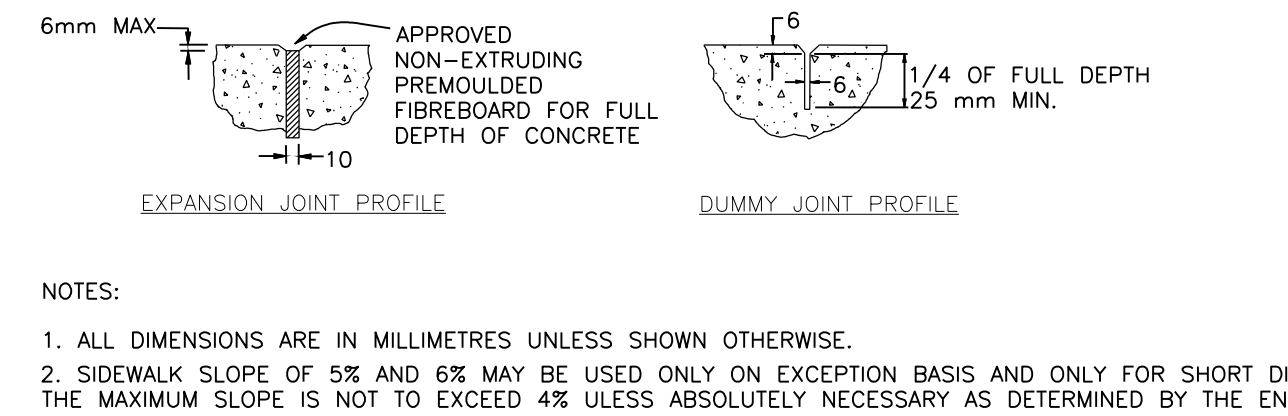
Location:
**EIGHTH STREET
 RENFREW, ONTARIO**

Title:
**EIGHTH STREET PLAN AND
 PROFILE DRAWING**

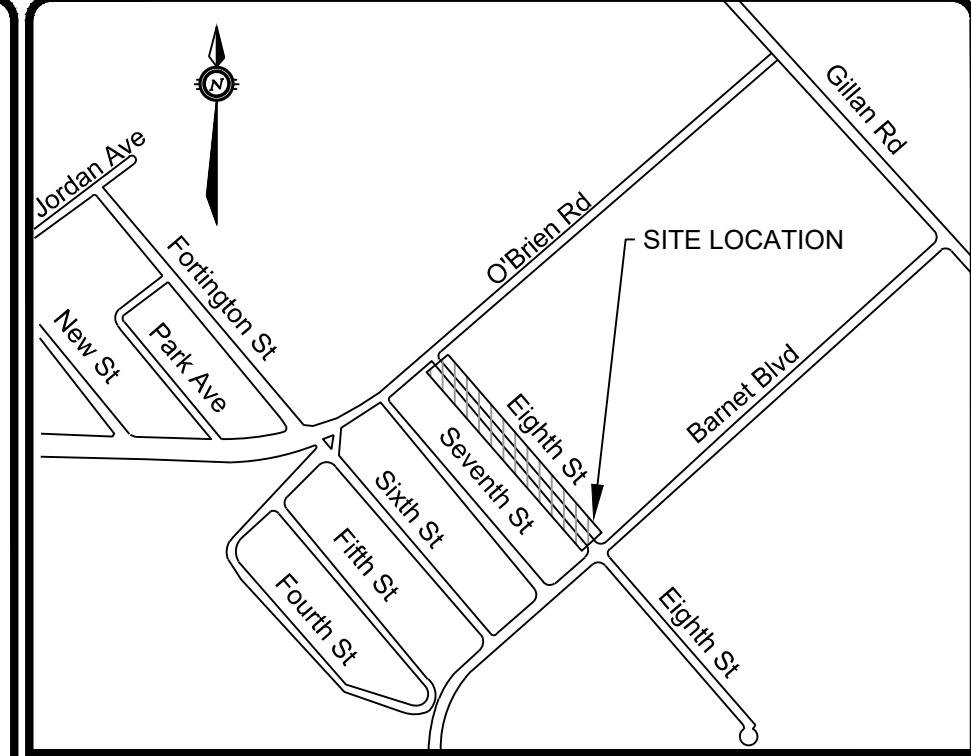
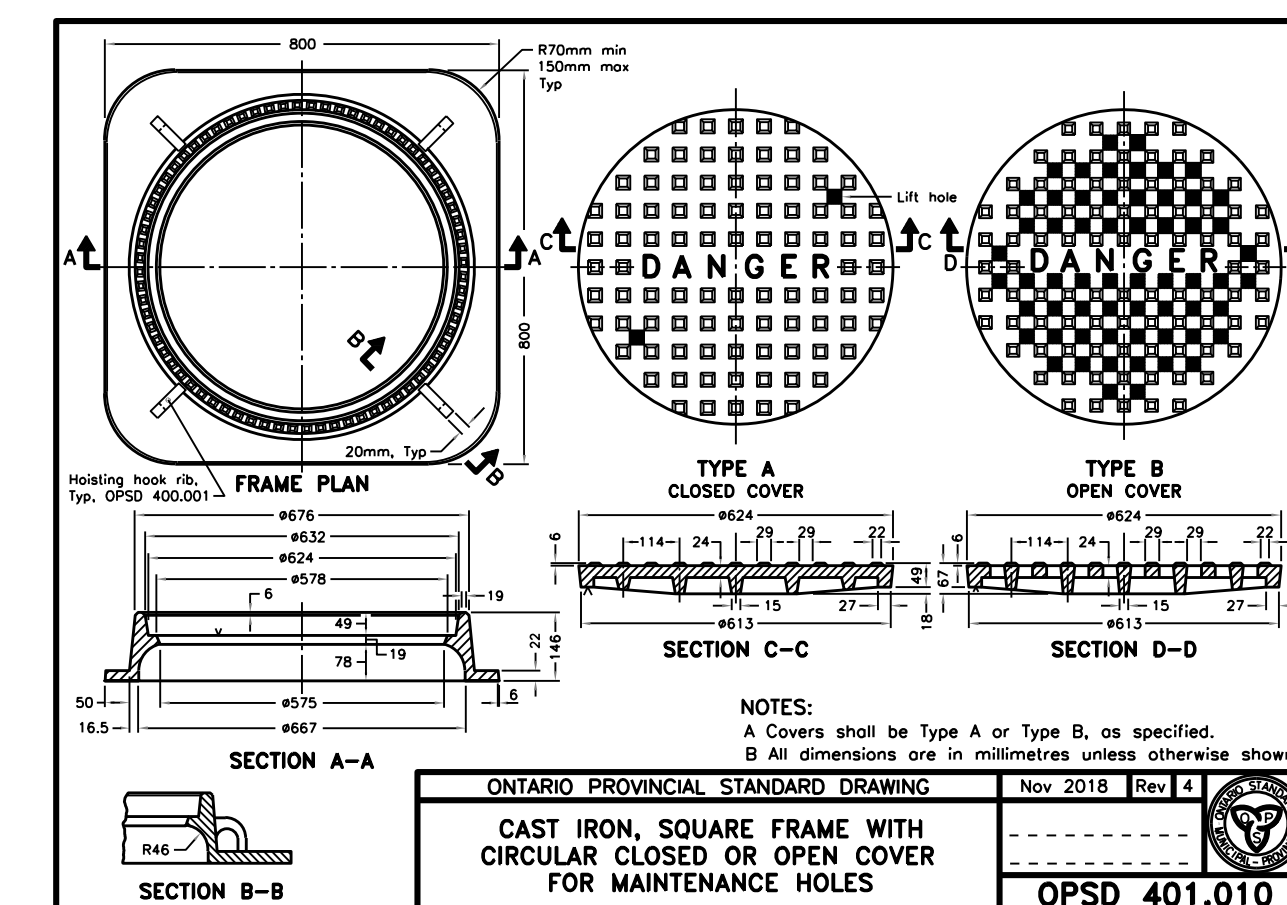
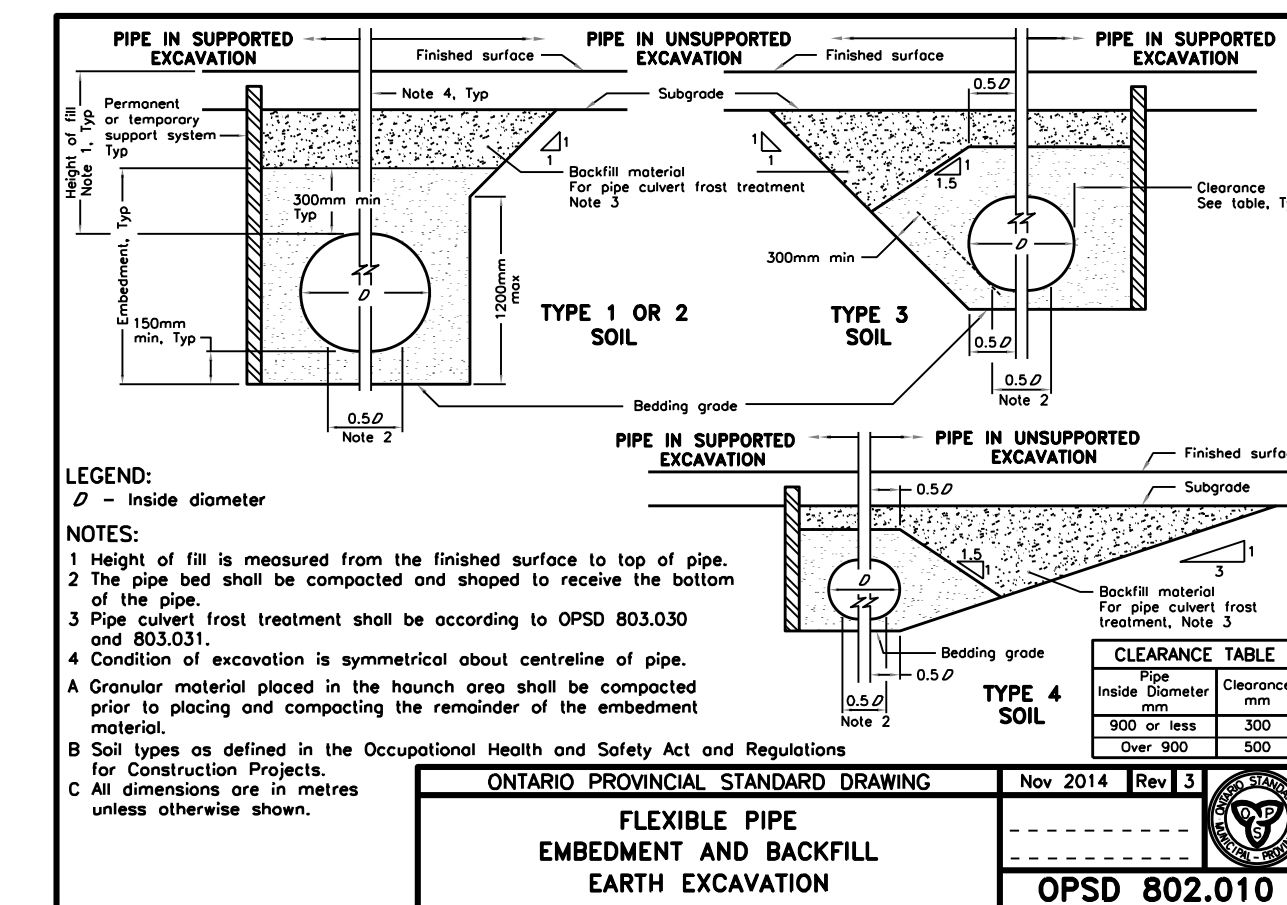
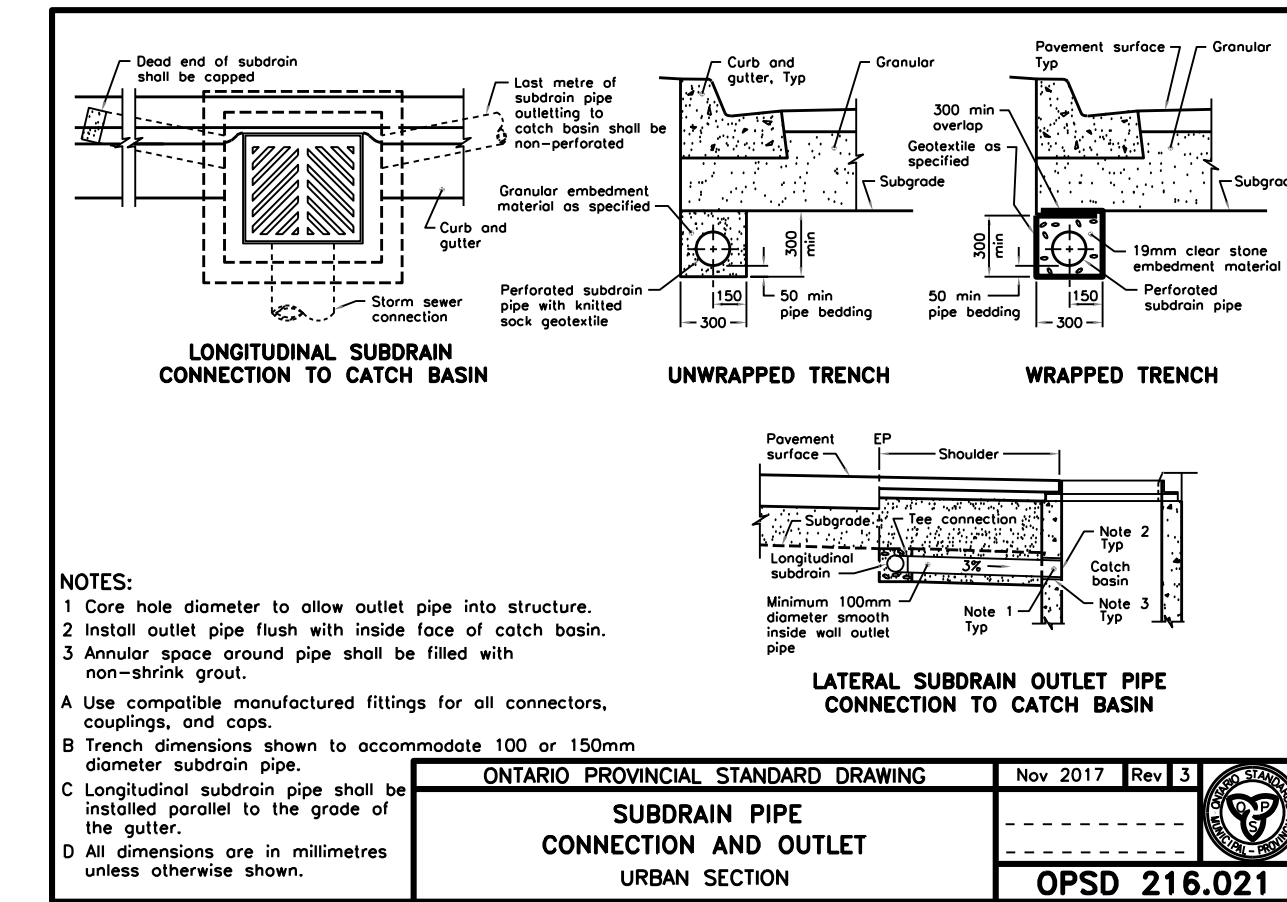
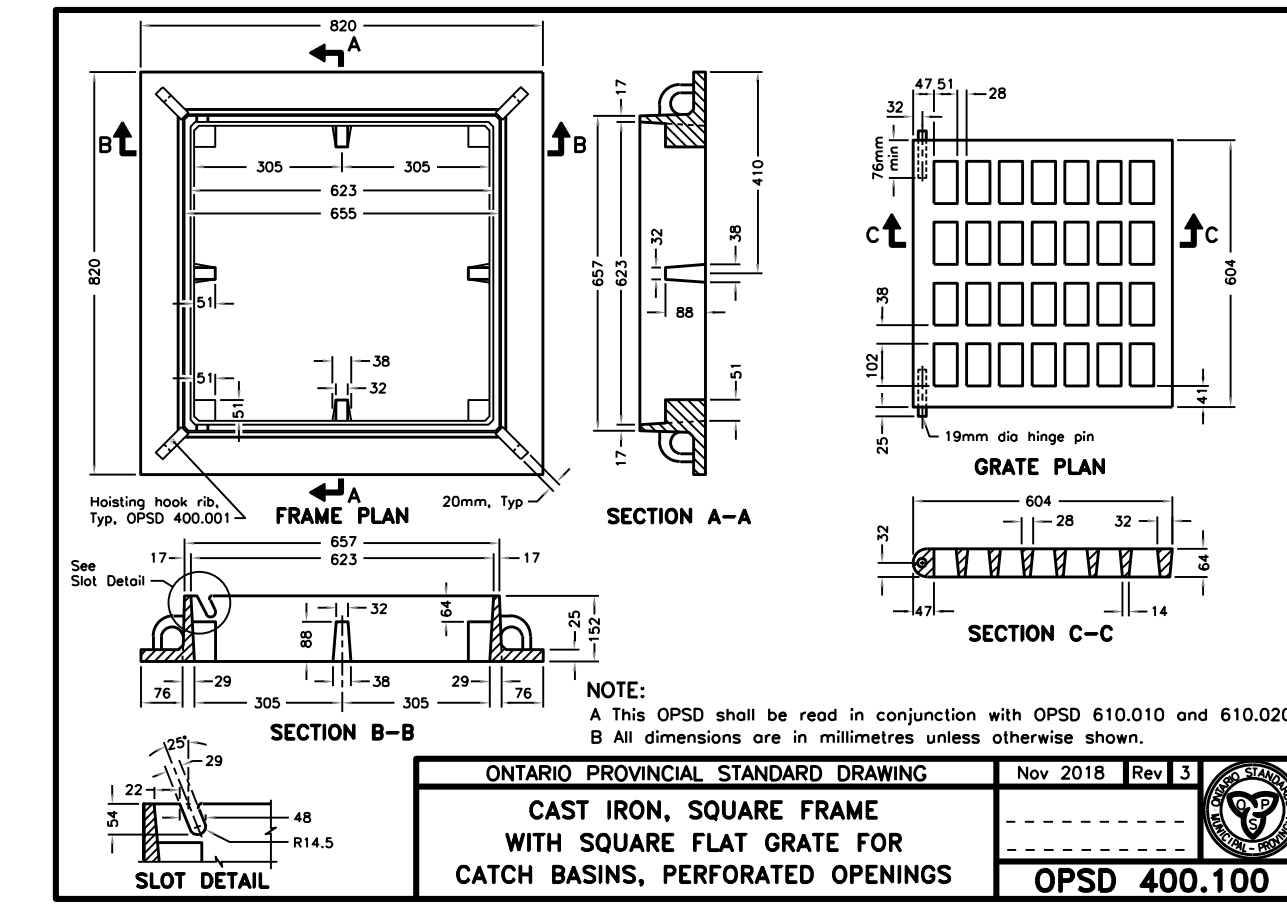
Designed By: Y.A. Drawn By: Y.A. Checked By: A.A.
 Scale: 1:500 Date: MAY, 2024 Drawing No.:
 Project No.: OTT-22020563-AO **C400**



MONOLITHIC CURB & SIDEWALK DETAIL 5-D1
N.T.S.



MONOLITHIC CURB & SIDEWALK DETAIL 5-D1
N.T.S.



No.	REVISIONS	Date	By	App.
4	ISSUED FOR ADDENDUM #1	JUL 03 2024	SVP	AA
3	ISSUED FOR TENDER	MAY 27 2024	S.V.P	A.A.
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Owner/Client:

Renfrew

Location:
EIGHTH STREET RENFREW, ONTARIO

Title:
DETAILS 1

Designed By: Y.A.	Drawn By: Y.A.	Checked By: A.A.
Scale: N/A	Date: MAY 27, 2024	Drawing No.: C500
Project No.: OTT-22020563-AO		