



## **ADDENDUM NO. 3**

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Date: July 4, 2024

Project No. 2024-14-DEI

Project: Dominion & Lynn Reconstruction

To: All Bidders

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### **PRE-BID QUESTIONS**

1. Question: Drawings and specification show monolithic sidewalk. However, quantities are broken out between curb and sidewalk separately. Please confirm that both the curb and sidewalk items will be used to pay the monolithic sidewalk.

Answer: The listed quantities for concrete barrier curb and monolithic concrete curb and sidewalk are separate. The C100 drawing shows that on the northeast side, concrete barrier curb per OPSD 600.11 has been proposed, whereas on the southwest side, a monolithic curb and sidewalk have been proposed. The typical cross section detail on drawing C400 reflect it as well.

2. Question: Specifications reference EXP-9991 for excess soil management. It appears that this spec is missing from the tender package. Who is responsible for excess soil testing? Can contractors assume the excess soil meets Table 2.1 for reuse?

Answer: The section no. 22 has been deleted from the "Section E – Standard Provisions". Please see the revised Section E for Dominion and Lynn Street. Now, there is no reference to EXP-9991 as a specification for excess soil management.

- The contractor is required to work in such a manner to re-use as much soil as possible and minimize the amount of excess soil requiring off-site disposal. For any soil requiring off-site disposal, it will be the contractor's responsibility to retain a Qualified Person 'QP' as set out in Section 6 of O.Reg 153/04 to ensure any excess soil is managed in accordance with Ontario Regulation 406/19. 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.



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**TOWN OF RENFREW  
127 Raglan Street South  
Renfrew, Ontario  
K7V 1P8**

- For bidding purposes, in Dominion Street, a few line items have been added such as offsite disposal of excess soil of 500 m<sup>3</sup> soil meets Table 2.1 and 500 m<sup>3</sup> when exceeding Table 3.1. For Lynn Street, a few line items have been added such as offsite disposal of excess soil of 250 m<sup>3</sup> soil meets Table 2.1 and 250 m<sup>3</sup> when exceeding Table 3.1. Refer to attached revised schedule of items and prices.

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 Dominion Street and Lynn Street  
**Dominion Street:**

Item No.	Reference / Regulation Standards	Item Description	Estimated Quantities	Units	Unit Price	Amount
<b>A</b>		<b>General Requirements</b>				
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>B</b>		<b>Removals</b>				
1	OPSS.510	Asphalt Pavement including Driveway and Walkway Removal and Disposal	2,850	m <sup>2</sup>		
2	OPSS 510	300mm dia. Storm Sewers Removal and Disposal	315	m		
3	OPSS 510	150mm dia. Watermain, Valve and Valve Box Removal and Disposal	305	m		
4	OPSS 510	200mm dia. Sanitary Sewers removal and Disposal	245	m		
5	OPSS 510	Sanitary Service Lateral Removal and Disposal	90	m		
6	OPSS 510	Water Service Lateral and Standpost Removal and Disposal	135	m		
7	OPSS 510	Storm Service Lateral Removal and Disposal	10	m		
8	OPSS 510	Catchbasin and Catchbasin Lead Removal and Disposal	3	ea		
9	OPSS 510	Sanitary Maintenance Hole Removal and Disposal	3	ea		
10	OPSS 510	Storm Maintenance Hole Removal and Disposal	2	ea		
11	OPSS 510	Fire Hydrant, Lead, Valve and Valve Box Removal and Reuse	1	ea		
12	OPSS 510, 928	Concrete Curb Removal and Disposal Full Depth	595	m		
					Subtotal	\$ -
<b>C</b>		<b>Storm Sewers</b>				
1	OPSS 407	1200mm dia. Pre Cast Concrete Storm Maintenance Hole c/w Frame and Cover	2	ea		
2	OPSS 410	600x600 Pre Cast Concrete Catch Basin c/w Frame and Grate	3	ea		
3	OPSS 410	300mm dia. Class 140-D Reinforced Concrete Storm Pipe	150	m		
4	OPSS 410	200mm dia. PVC DR-35 Catch Basin Lead	15	m		
5	OPSS 410	Connection into Existing Storm Maintenance Hole	1	ea		\$ -
6	OPSS 441, OPSD 1109.030	Storm Sewer Rigid Board Insulation HI-40	400	m <sup>2</sup>		\$ -
					Subtotal	\$ -

<b>D</b>		<b>Sanitary Sewers</b>				
1	OPSS 407	1200mm dia. Pre Cast Concrete Sanitary Maintenance Hole c/w Frame and Cover	3	ea		
2	OPSS 407	200mm dia. PVC DR-35 Sanitary Pipe	311	m		
3	OPSS 410	150mm dia. PVC DR-28 Sanitary Service including Connection	135	m		
4	OPSS 410	Connection into Existing Sanitary Pipe	2	ea		
					Subtotal	\$ -
<b>E</b>		<b>Watermain</b>				
1	OPSS 701	150mm PVC DR-18 Watermain	305	m		
2	OPSS 441	150mm Gate Valve & Valve Box	2	ea		
3	OPSS 701	Connection into Existing Watermain	2	ea		
4	OPSD 1104.010	19mm Water Service c/w Main Stop, Curb stop and Stanpost including Connection	140	m		
5	OPSS 441, OPSP 1109.030	Water Service Rigid Board Insulation HI-40	84	m <sup>2</sup>		
6	OPSS 935, OPSP 1109.011	Cathodic Protection for Watermain, Hydrant Assembly, Water Service and Test Station	50	ea		
7	OPSS 441, OPSP 1105.010	Fire Hydrant Assembly including Valve, Valve Box, Marker and Appurtenances	2	ea		
					Subtotal	\$ -
<b>F</b>		<b>Roads</b>				
1	OPSS 353, 904	Reinforced Concrete Barrier Curb	315	m		
2	OPSS 310, 313	Asphalt Pavement(Light Duty) HL3 PG 58-34	268	Ton		
3	OPSS 310, 314	Asphalt Pavement (Heavey Duty) HL8 PG 58-34	335	Ton		
4	OPSS 314, 501, 1010	Roadway Granular A Base including Compaction	1,005	Ton		
5	OPSS 314, 501, 1010	Roadway Granular B Type II Subbase including Compaction	3,015	Ton		
6	OPSD 216.021	Roadway Perforated Pipe 150mm dia. Subdrain	615	m		
7	OPSS 351, 904	Monolithic Concrete Curb & Sidewalk including Granular A Base ( with TWS)	540	m <sup>2</sup>		
8	OPSS 802	100mm Topsoil Reinstatement	52	m <sup>3</sup>		
9	OPSS 803	Sodding including Watering and Maintenance	520	m <sup>2</sup>		
10	OPSS 710	Pavement Marking including Crosswalk Lines, Stop Bars and tails	1	LS		
11	OPSS 310, 314	Tack Coat	1	LS		
					Subtotal	\$ -
<b>G</b>		<b>Miscellaneous</b>				
1		Stop Sign and Post Removal, Salvage and Reinstallation	2	ea		
2	OPSS 310, 313, 1010	Asphalt HL3 PG58-34 Driveway and Walkway Reinstatement, including Granular A Base and Ganular B Subbase	90	m <sup>2</sup>		
3	OPSS 1010	Gravel Driveway Reinstatement, including Granular A Base and Granular B Subbase	30	m <sup>2</sup>		
4	OPSS 314, 355, 1010	Unit Paver Rreinstatement including Dust, Granular A Base and Granular B Subbase	6	m <sup>2</sup>		
5	OPSS 410	150mm dia. PVC DR-28 Storm Service Lateral including Connection	10	m		
6	OPSD 802.095	Trench Plug (All inclusive)	3.0	LS		
7	OPSS 310, 314, 1150	Temporary asphalt ramps at all driveways and at both the intersections with HL8 (after placement of first asphalt lift (HL8)	1.0	LS		
8		Town Allowance (For both, Dominion & Lynn Street)	1.0	LS	\$ 50,000.00	\$ 50,000.00
					Subtotal	\$ -
<b>H</b>		<b>Earthwork</b>				
1		Offsite Soil Disposal - Assuming Soil Meets Table 2.1	500	m <sup>3</sup>		
2		Offsite Soil Disposal - Assuming Soil Exceeds Table 3.1	500	m <sup>3</sup>		
					Subtotal	\$ -
<b>TOTAL TENDER AMOUNT (Excluding H.S.T.)</b>						<b>\$ -</b>

**Lynn Street:**

Item No.	Reference / Regulation Standards	Item Description	Estimated Quantities	Units	Unit Price	Amount
<b>A</b>		<b>General Requirements</b>				
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>B</b>		<b>Removals</b>				
1	OPSS.510	Asphalt Pavement including Driveway and Walkway Removal and Disposal	2,100	m <sup>2</sup>		
2	OPSS 510	200mm dia. Watermain, Valve and Valve Box Removal and Disposal	233	m		
3	OPSS 510	200mm dia. Sanitary Sewers removal and Disposal	174	m		
4	OPSS 510	Unkown 8 inch ductile iron pipe removal and disposal	74	m		
5	OPSS 510	Sanitary Service Lateral Removal and Disposal	113	m		
6	OPSS 510	Water Service Lateral and Standpost Removal and Disposal	140	m		
7	OPSS 510	Catchbasin and Catchbasin Lead Removal and Disposal	1	ea		
8	OPSS 510	Sanitary Maintenance Hole Removal and Disposal	2	ea		
9	OPSS 510	Fire Hydrant, Lead, Valve and Valve Box Removal and Reuse	1	ea		
10	OPSS 510, 928	Concrete Curb Removal and Disposal Full Depth	458	m		
					Subtotal	\$ -
<b>C</b>		<b>Sanitary Sewers</b>				
1	OPSS 407	1200mm dia. Pre Cast Concrete Sanitary Maintenance Hole c/w Frame and Cover	1	ea		
2	OPSS 407	200mm dia. PVC DR-35 Sanitary Pipe	238	m		
3	OPSS 410	125mm dia. PVC DR-28 Sanitary Service including Connection	140	m		
4	OPSS 410	Connection into Existing Sanitary Pipe	2	ea		
					Subtotal	\$ -
<b>D</b>		<b>Watermain</b>				
1	OPSS 701	150mm PVC DR-18 Watermain	243	m		
2	OPSS 441	150mm Gate Valve & Valve Box	2	ea		
3	OPSS 701	Connection into Existing Watermain	2	ea		
4	OPSD 1104.010	19mm Water Service c/w Main Stop, Curb stop and Stanpost including Connection	140	m		
5	OPSS 441, OPSD 1109.030	Water Service Rigid Board Insulation HI-40	84	m <sup>2</sup>		
6	OPSS 935, OPSD 1109.011	Cathodic Protection for Watermain, Hydrant Assembly, Water Service and Test Station	50	ea		
7	OPSS 441, OPSD 1105.010	Fire Hydrant Assembly including Valve, Valve Box, Marker and Appurtenances	2	ea		
					Subtotal	\$ -

<b>E</b>		<b>Roads</b>				
1	OPSS 353, 904	Reinforced Concrete Barrier Curb	240	m		
2	OPSS 310, 313	Asphalt Pavement(Light Duty) HL3 PG 58-34	205	Ton		
3	OPSS 310, 314	Asphalt Pavement (Heavey Duty) HL8 PG 58-34	255	Ton		
4	OPSS 314, 501, 1010	Roadway Granular A Base including Compaction	735	Ton		
5	OPSS 314, 501, 1010	Roadway Granular B Type II Subbase including Compaction	2,015	Ton		
6	OPSS 351, 904	Monolithic Concrete Curb & Sidewalk including Granular A Base ( with TWSI)	425	m <sup>2</sup>		
7	OPSS 802	100mm Topsoil Reinstatement	35	m <sup>3</sup>		
8	OPSS 803	Sodding including Watering and Maintenance	345	m <sup>2</sup>		
9	OPSS 710	Pavement Marking including Crosswalk Lines, Stop Bars and tails	1	LS		
10	OPSS 310, 314	Tack Coat	1	LS		
					Subtotal	\$ -
<b>F</b>		<b>Miscellaneous</b>				
1		Stop Sign and Post Removal, Salvage and Reinstallation	2	ea		
2	OPSS 310, 313, 1010	Asphalt HL3 PG58-34 Driveway and Walkway Reinstatement, including Granular A Base and Ganular B Subbase	100	m <sup>2</sup>		
3	OPSS 1010	Gravel Driveway Reinstatement, including Granular A Base and Granular B Subbase	45	m <sup>2</sup>		
4	OPSS 410	150mm dia. PVC DR-28 Storm Service Lateral including Connection	10	m		
5	OPSD 802.095	Trench Plug (All inclusive)	2.0	LS		
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)	1.0	LS		
					Subtotal	\$ -
<b>G</b>		<b>Earthwork</b>				
1	OPSS 206, 510	Rock Excavation and Disposal (all inclusive)	600	m <sup>3</sup>		
2		Offsite Soil Disposal - Assuming Soil Meets Table 2.1	250	m <sup>3</sup>		
3		Offsite Soil Disposal - Assuming Soil Exceeds Table 3.1	250	m <sup>3</sup>		
					Subtotal	\$ -
<b>TOTAL TENDER AMOUNT (Excluding H.S.T.)</b>						<b>\$ -</b>

# **SECTION “E” STANDARD PROVISIONS**

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## **1.0 DISPOSAL**

Payment for the disposal of all excavated material including asphalt, excess soil, etc. shall be deemed to be included in the bid price.

## **2.0 MUNICIPAL BY-LAW & PERMITS**

The Contractor must secure all necessary permits in compliance with all Municipal By-laws and pay necessary fees for trench inspection, roadway cuts, railway crossing, etc., before any work is proceeded with and must pay directly to the municipality, or any company concerned, the cost of replacement of roadway surfaces, sidewalks, right-of-way or any other structures except as otherwise provided.

## **3.0 SCHEDULE OF ITEMS AND PRICES**

With the quantities given in the Schedule of Items and Prices being estimated, the Tenderer agrees to accept final payment upon actual quantities measured during and upon completion of the work, at the unit price quoted in the Schedule of Items and Prices.

The Tenderer agrees, if his tender is accepted, to supply any additional materials and equipment to execute any additional work, or to deduct any work as may be required in strict conformity with the requirements of the Contract, and the prices applicable to additions to the work and to deductions therefrom shall be determined from the Schedule of Items and Prices, where applicable.

## **4.0 OCCUPATIONAL HEALTH AND SAFETY ACT, R.S.O 1990**

The attention of the Contractor is drawn to the Occupational Health & Safety Act, Revised Statutes of Ontario 1990, and amendments thereto. In order to avoid any misunderstanding as to the nature of the work to be performed under this Contract, the Contractor by executing this Contract unequivocally acknowledges that he is the Constructor within the meaning of the said Act.

## **5.0 LAYOUT**

Section GC3.05 of OPS General Conditions is amended by the addition of the following:

The Contractor will be responsible for all horizontal and vertical alignment. This shall include, but not limited to, the layout of all blasting, water mains, sewers, manholes, valves, chambers, culverts, roadwork, and other appurtenances or changes in alignment, as well as setting his own batterboards, offsets, grade stakes and site lines as required. The Contractor will be provided with benchmarks and sufficient legal survey pins to allow for complete layout in accordance with plans and municipal standards.

The total vertical and horizontal layout responsibility shall rest with the Contractor and be conducted at his cost.

It is emphasised that the Contractor must exercise extreme care in setting grades. The Contractor shall work to sufficient precision to ensure that every point will be set within a vertical tolerance of plus or minus 5 mm of the correct elevation. The Contractor shall also ensure that all appurtenances are located to municipal standards.

Should inspection by the Engineer or inspector reveal an error greater than the allowable tolerance, the Contractor shall, at his own expense, rectify such error to the satisfaction of the Engineer.

## **6.0 FIRST AID EQUIPMENT**

The Contractor shall provide and maintain the necessary First Aid items and equipment as called for under the First Aid Regulations of the Workplace Safety and Insurance Board.

## **7.0 SOIL CONDITIONS**

Certain borings, levels and test pits may have been taken by the Engineer for design purposes and may be shown on the Plans. Nevertheless, intending Contractors are specifically notified and warned that the accuracy or correctness of such levels and boring is in no way guaranteed by the Owner.

Tenderers are expected to make such additional examinations of the soils as they may feel necessary in order to satisfy themselves as to the conditions to be encountered. Moreover, the tenderers are expected to make exploratory digs for rocks.

## **8.0 COORDINATION MEETINGS**

The Contractor shall attend such meetings with the Engineer, Municipal and Utility Company authorities as may be required by the Engineer to co-ordinate services affected by the Contractor. The contractor to prepare and distribute weekly construction meetings minutes within three working days following the meeting.

## **9.0 USE OF WATER**

The contractor shall make all arrangements with the Town of Renfrew for any required water on-site for this contract.

All water used for mixing and curing of concrete or mortar shall conform to the requirements of OPS Specifications.

## **10.0 PROTECTION OF WATER PIPES**

The Contractor shall protect, at his own expense, all water and service pipes during the course of work on this contract. No blasting will be permitted within a distance of 3.65 meters on either side of any watermain. The material within this area shall be removed by hand. No additional compensation will be allowed the Contractor for this work.

Leaks and damage to water pipes must be reported immediately to the Town of Renfrew. The costs of insulating pipes, repairing damaged pipes, and the thawing of frozen water and service pipes shall be borne entirely by the Contractor.

#### **11.0 CONTRACTOR'S USE OF SITE**

The Contractor shall obtain the approval of the Owner prior to designating areas within the site for storage of his equipment and materials. The Contractor must maintain access to the site at all times, to allow for vehicle access for the duration of this contract.

On completion of the contract, the Contractor must remove any temporary measures and make good any damage caused during his activities.

#### **12.0 NOTIFICATION OF PROPERTY OWNERS**

The Contractor shall be responsible to provide each property owner on every street or road in which work will be carried out under this Contract with a letter concerning the project schedule and related temporary services.

#### **13.0 LEGAL SURVEY BARS AND MONUMENTS**

The Contractor shall be responsible to retain the professional services of an Ontario Legal Surveyor (OLS) for locating the property survey pins and bars prior to the work and for protecting and maintaining all legal survey pins, bars and monuments. If any survey bars or monuments are disturbed by the Contractor's operations, they shall be replaced by an Ontario Land Surveyor at the Contractor's expense.

#### **14.0 SUBSTITUTIONS**

The Engineer will consider proposals for substitution of materials equipment and methods only when such proposals are accompanied by full and complete technical data and all other information required by the Engineer to evaluate the proposed substitutions.

#### **15.0 CONSTRUCTION STAGING**

The works shall proceed according to the construction staging specified unless otherwise approved by the Engineer.

The Contractor shall submit a proposed sequence of construction in detail, in writing to the Engineer for review before the commencement of each stage of the work.

#### **16.0 CLEANING**

The Contractor shall conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws and provide on-site dump containers for collection of waste materials and rubbish. Street sweeping shall be performed on a regular basis to ensure no debris is tracked on to adjoining streets. The Contractor shall arrange to have this work performed, at his own costs, during the time he is on site. Any complaints received from the Town shall be rectified in a timely manner.

## **17.0 SUPPLY AND INSTALLATION OF MATERIALS**

All materials necessary for the proper completion of work shall be supplied by the Contractor, except materials to be supplied by the Owner as stated in the Special Provisions. Payment provided in the contract shall be deemed to include full compensation for the installation of all materials required to complete the contract work in all respects.

All materials supplied by the Contractor shall be of quality and manufacture acceptable to the Town of Renfrew, and the Engineer.

## **18.0 CLEANING OF ROADWAY PRIOR TO PAVING**

As a condition of this contract, it shall be the responsibility of the Contractor to clean all road surfaces to the satisfaction of the Engineer prior to the placing of asphalt pavement.

The contract prices for the supply and placing of asphalt shall be full compensation for the undertaking of the cleaning.

## **19.0 DUST CONTROL AND STREET CLEANING**

OPSS 506 shall apply except as amended and extended herein.

The supply and application of water and calcium chloride for compaction and/or dust control shall be included in the unit prices bid for the granular items in this contract. Roads shall be kept clean and free of debris and shall be scraped, swept or flushed as required by the Town of Renfrew, or the Engineer.

No separate payment shall be made for dust control or street cleaning as the cost of this work shall be deemed to have been included in the above tendered item.

## **20.0 TRAFFIC REGULATIONS**

The contractor shall comply with all statutory regulations regarding the transportation of materials on existing public roads. If roads are damaged as a result of lack of care, then the cost of repairs shall be at the contractor's expense to the satisfaction of the road authority and the owner.

## **21.0 GEOTECHNICAL TESTING**

The owner will cover the initial cost of all material testing. Any re-testing due to failure of the compaction testing, will be charged back to the Contractor. These re-testing charges will be detailed in the monthly progress payments.

## **22.0 CONTAMINATION OF GRANULARS**

The contractor shall be held responsible for contamination of sub-base and base material and damage to subgrade by his own forces. Consideration will be made for damage to the road base made by others. Scheduling of the asphalt works shall be performed shortly

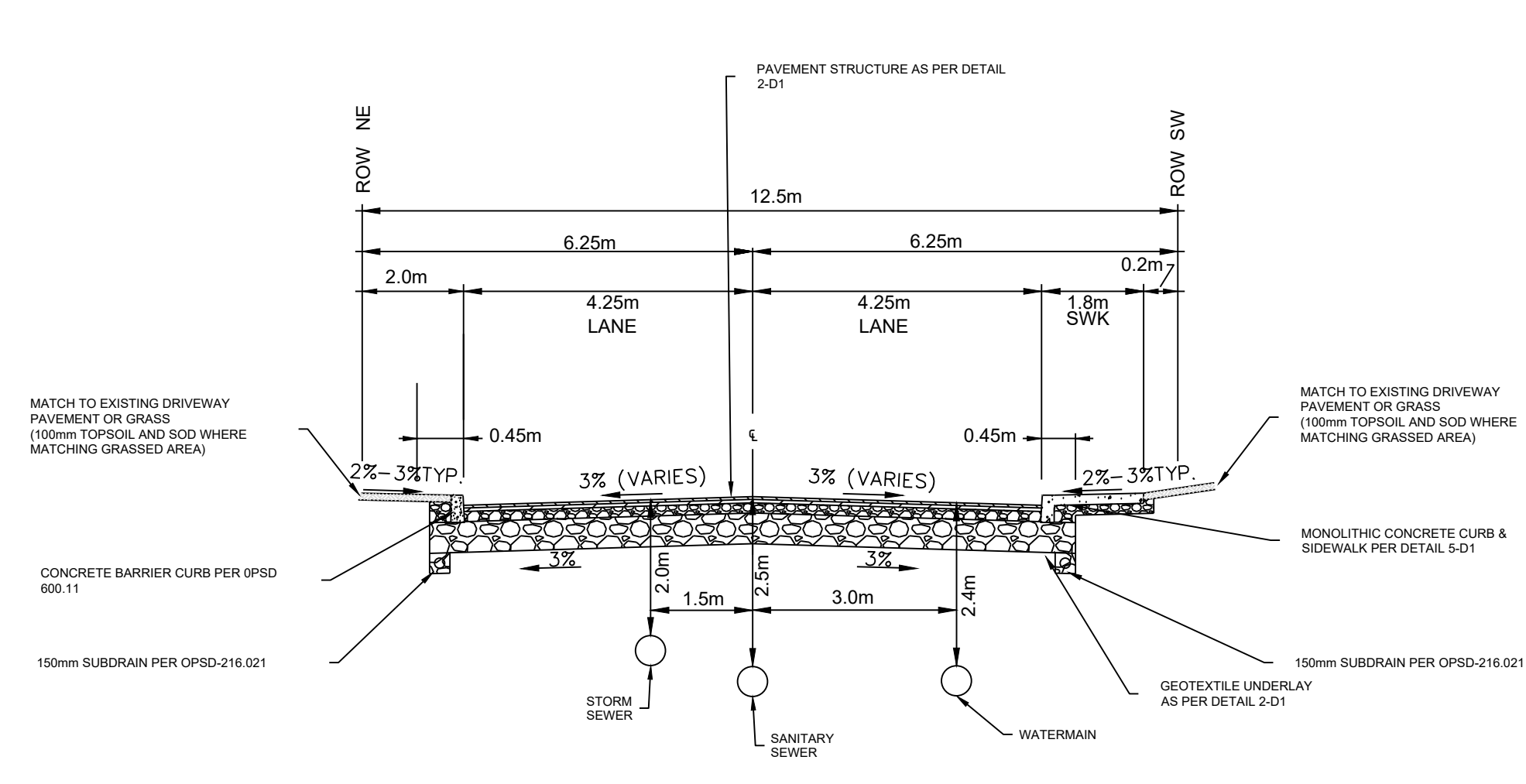
after road building operations, to minimize the potential damage.

### **23.0 TESTING REQUIREMENTS**

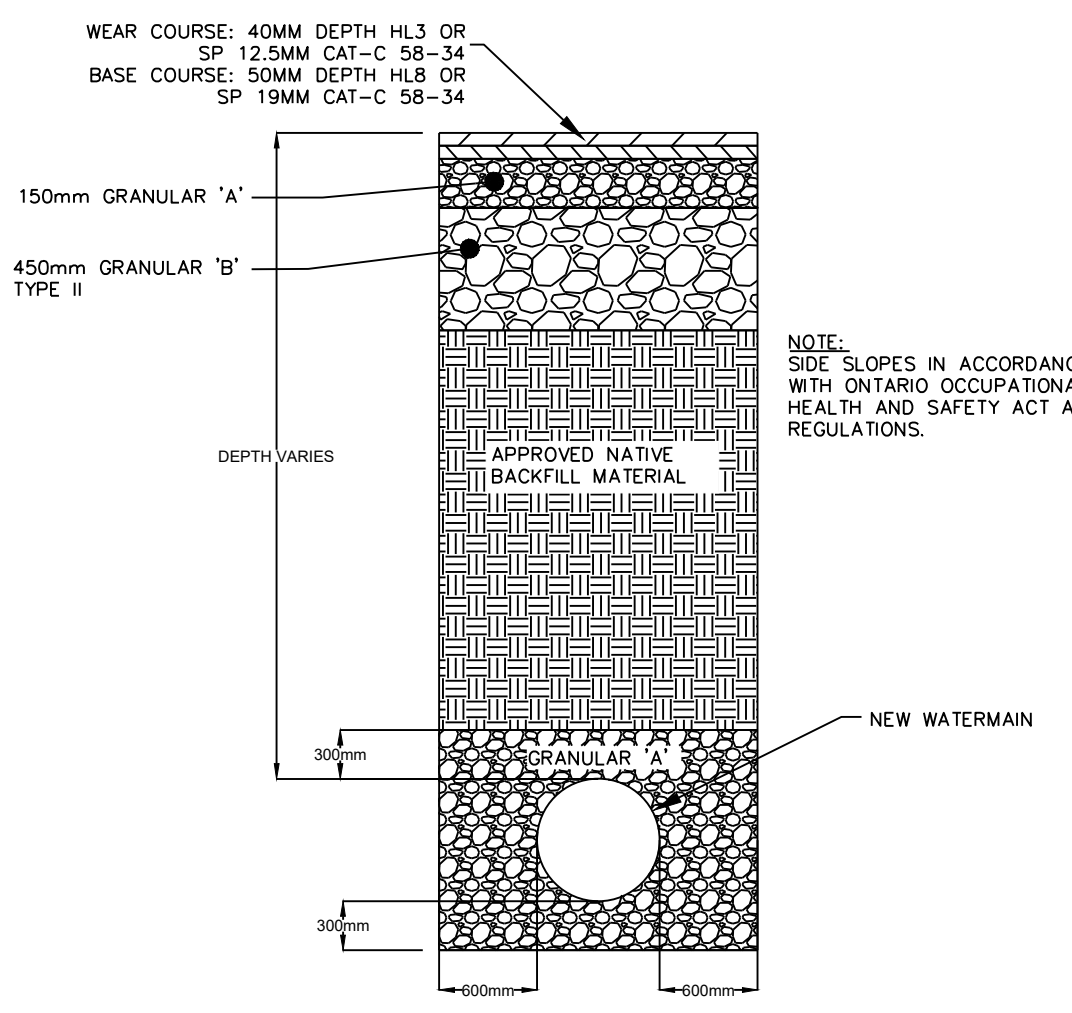
The Contractor shall be responsible to co-ordinate all testing requirements, such as, but not limited to, compaction, concrete and asphalt testing, with the Owners Geotechnical Engineer and Contract Administrator.

Testing requirements shall be to the Town of Renfrew specifications. All requirements, such as frequency, location, and items for testing shall conform to Town of Renfrew Standards for the specific item being tested.

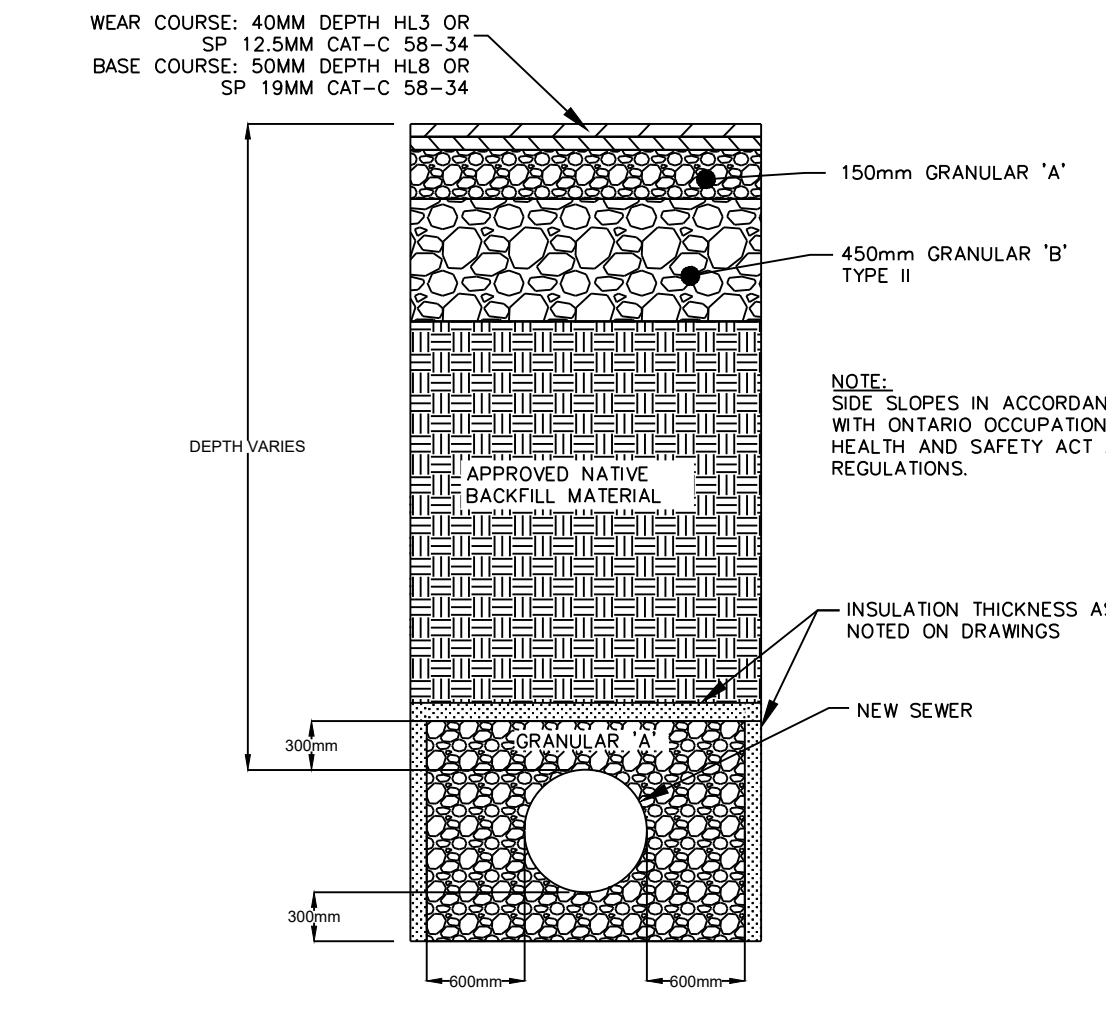




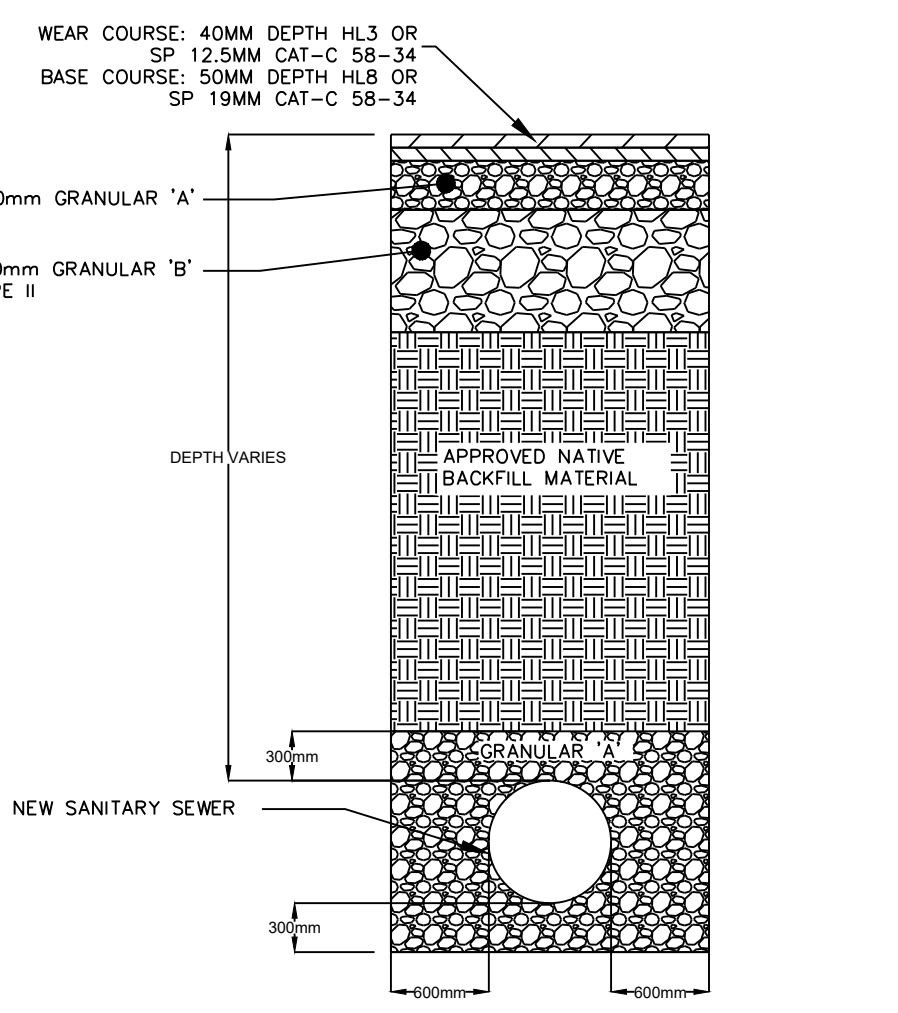
TYPICAL CROSS-SECTION DETAIL NOT TO SCALE



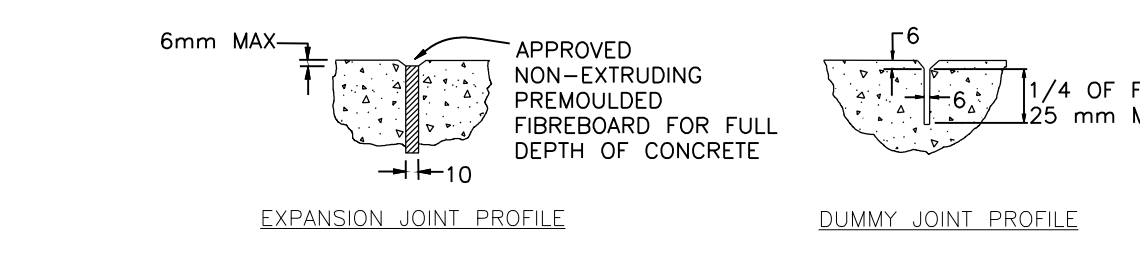
TYPICAL WATERMAIN TRENCH DETAIL NOT TO SCALE



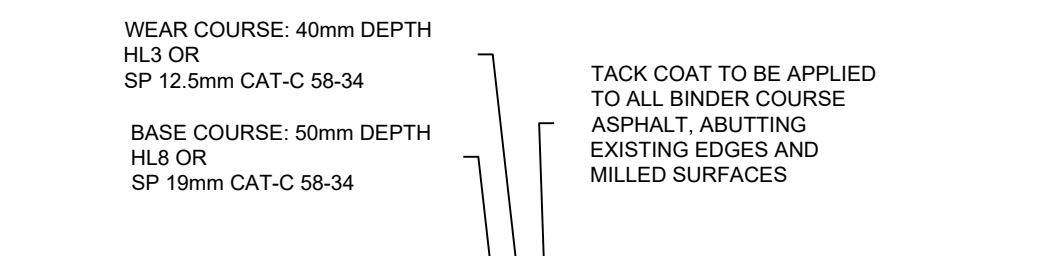
TYPICAL SEWER TRENCH DETAIL WITH INSULATION NOT TO SCALE



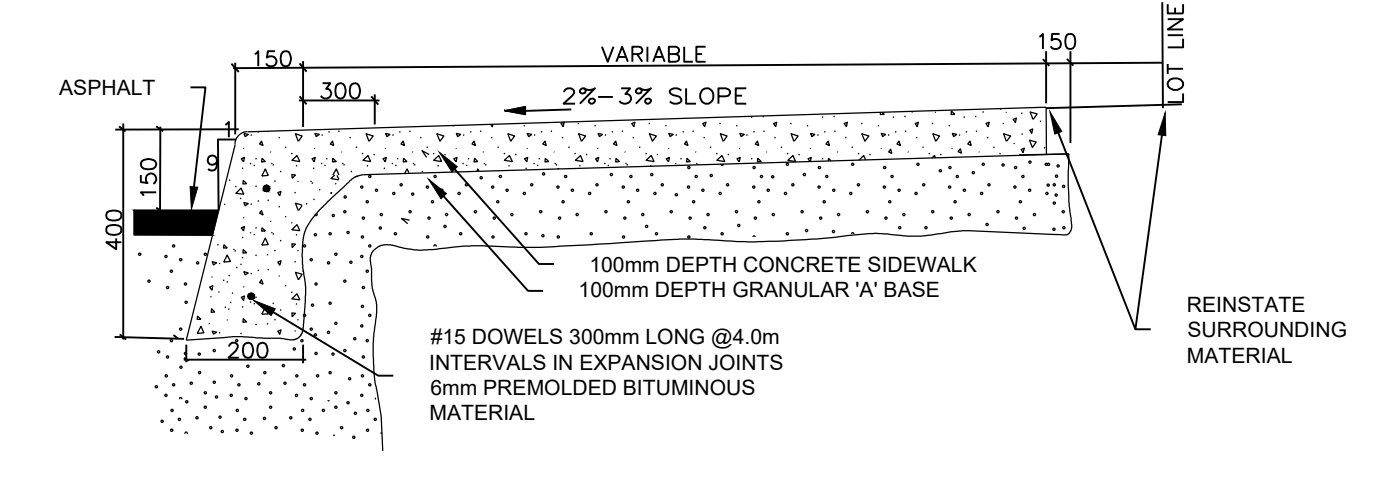
TYPICAL SEWER TRENCH DETAIL NOT TO SCALE



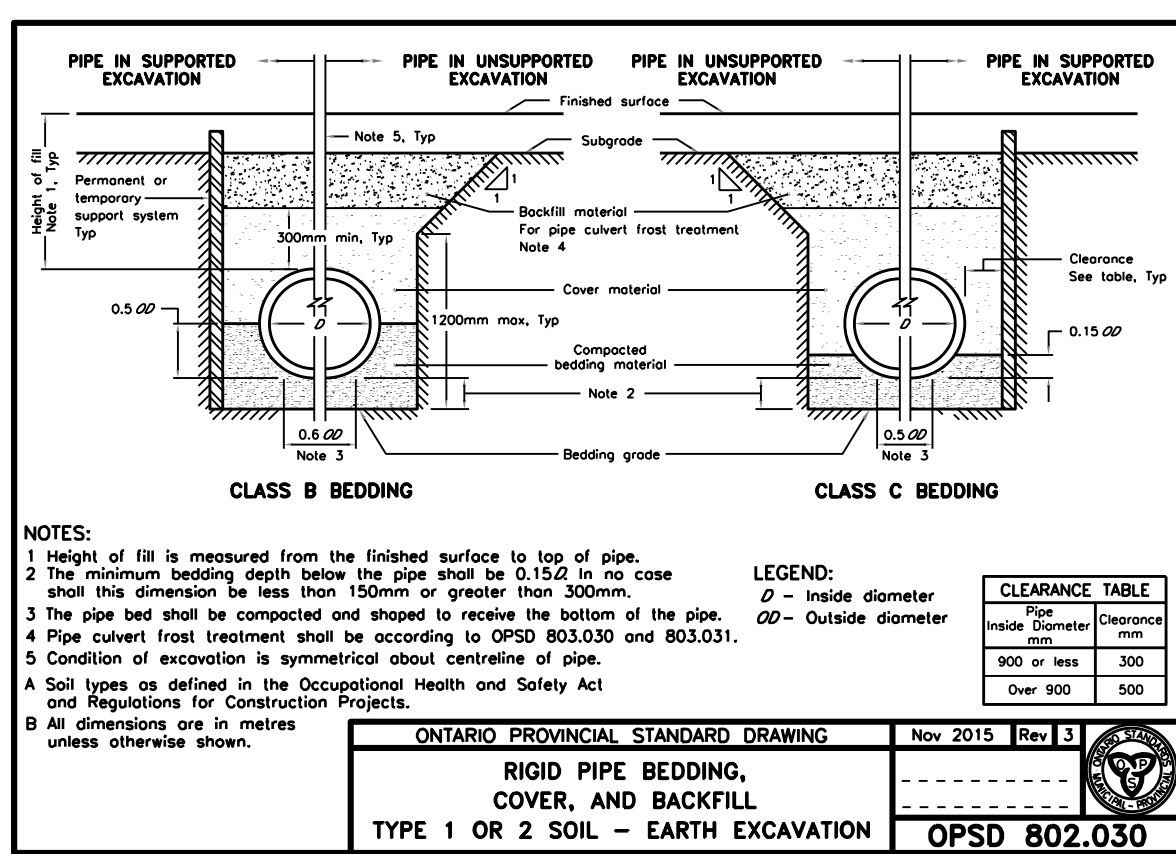
- NOTES:
- 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  - 2. SIDEWALK SLOPE OF 5% AND 6% MAY BE USED ONLY ON EXCEPTION BASIS AND ONLY FOR SHORT DISTANCES. THE MAXIMUM SLOPE IS NOT TO EXCEED 4% UNLESS ABSOLUTELY NECESSARY AS DETERMINED BY THE ENGINEER.



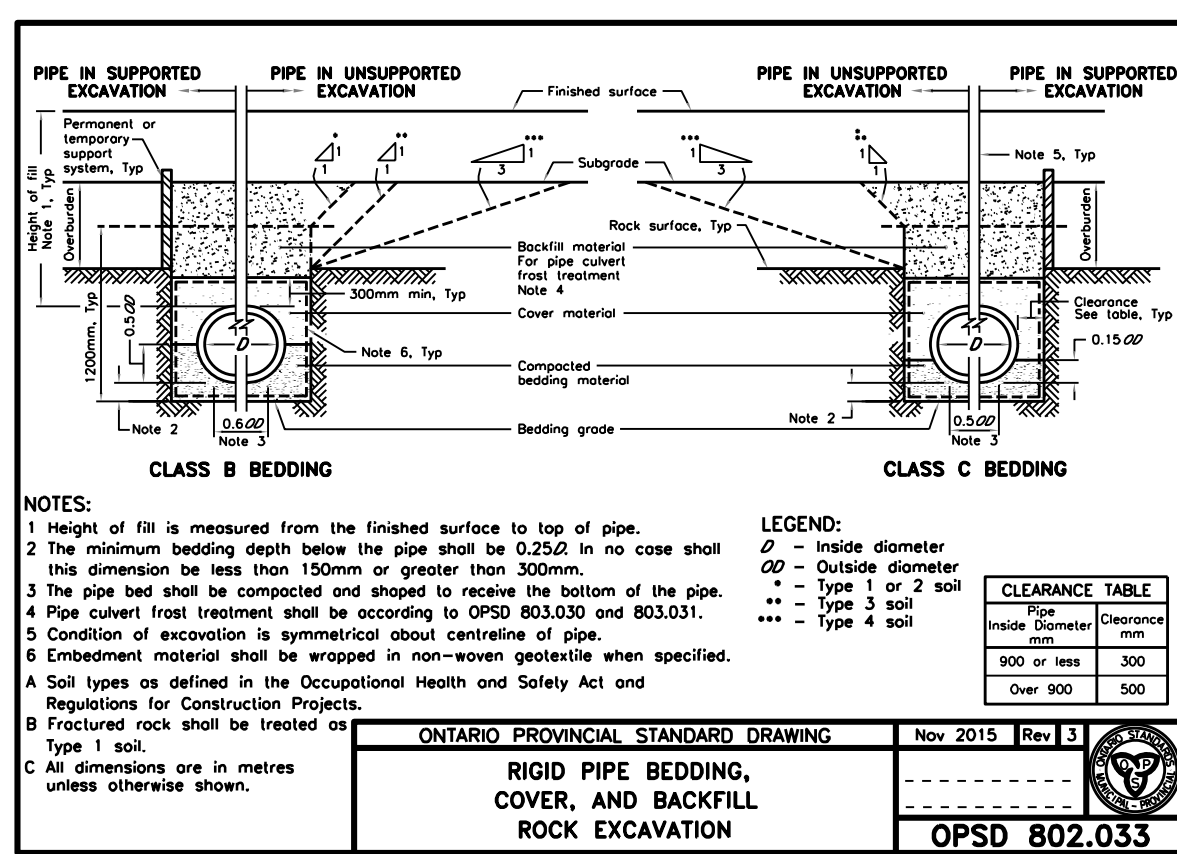
PAVEMENT STRUCTURE DETAIL 2-D1 N.T.S.



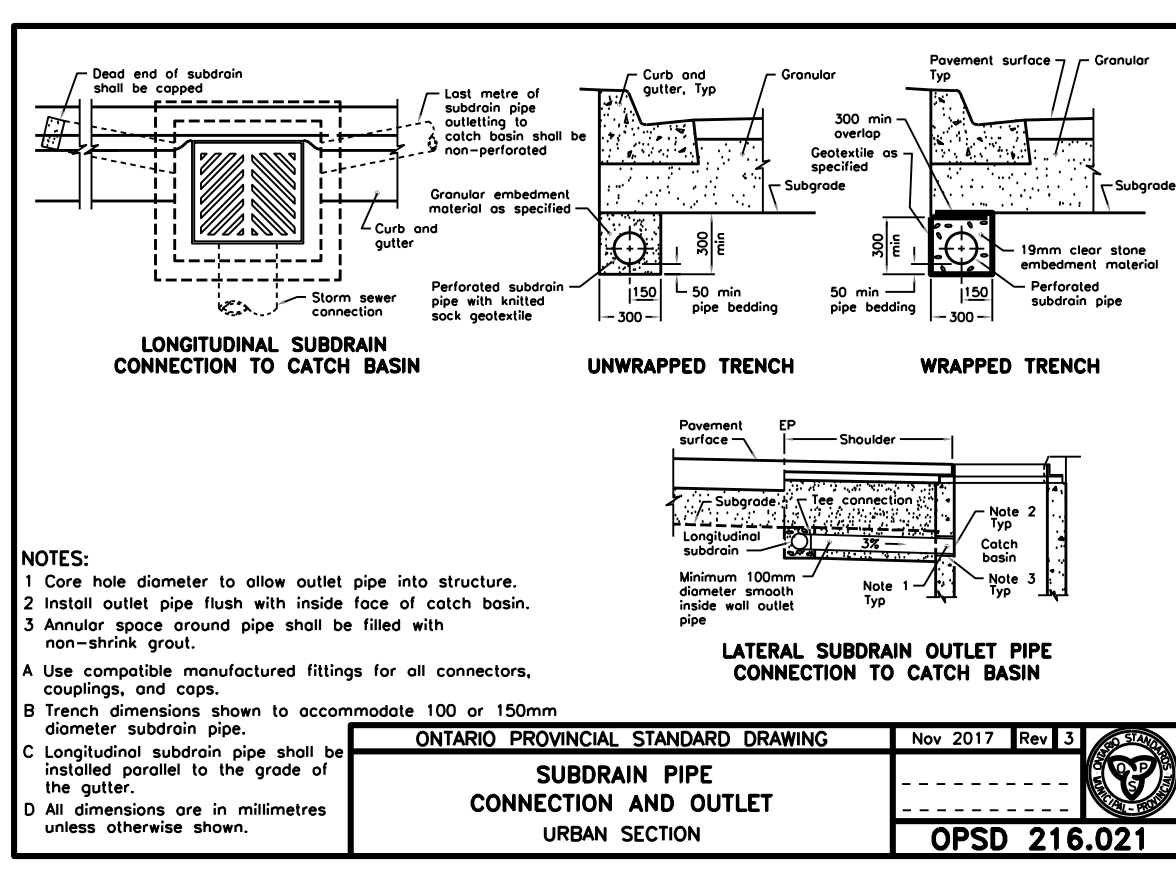
MONOLITHIC CURB & SIDEWALK DETAIL 5-D1 N.T.S.



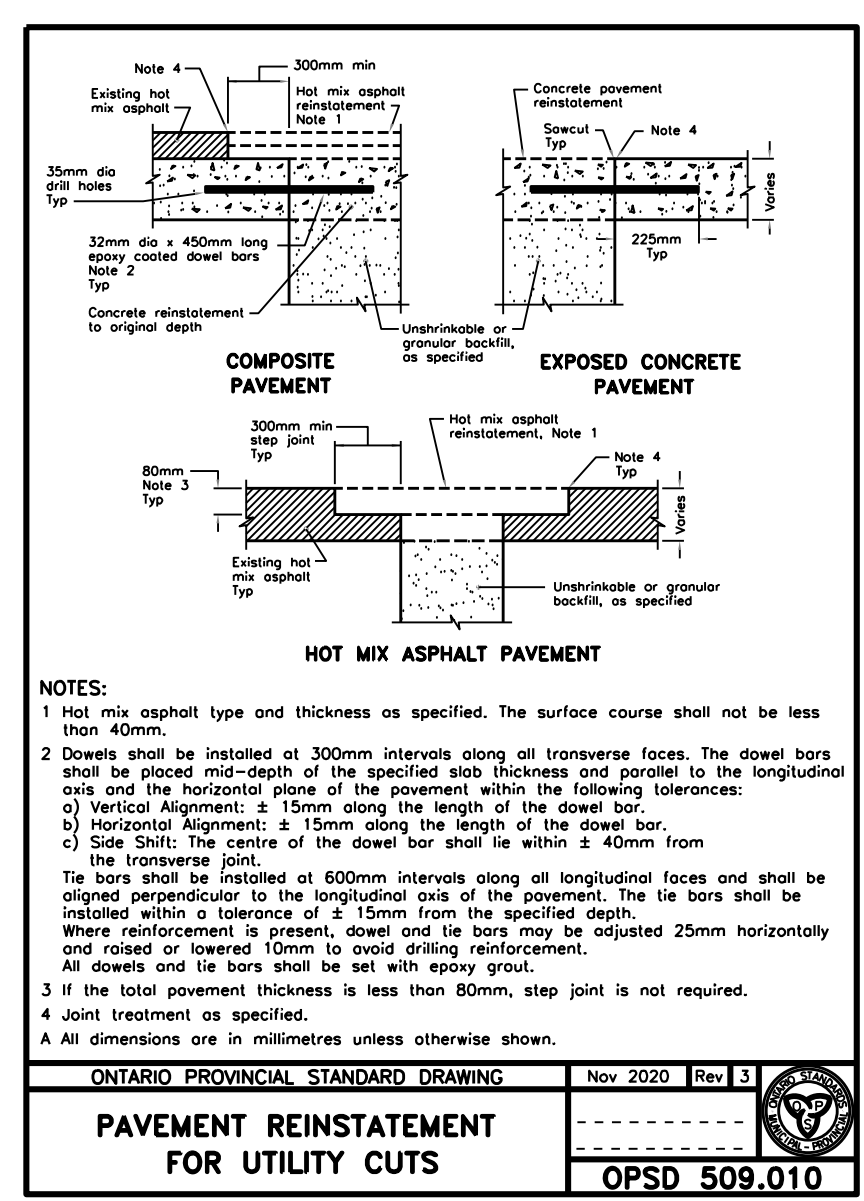
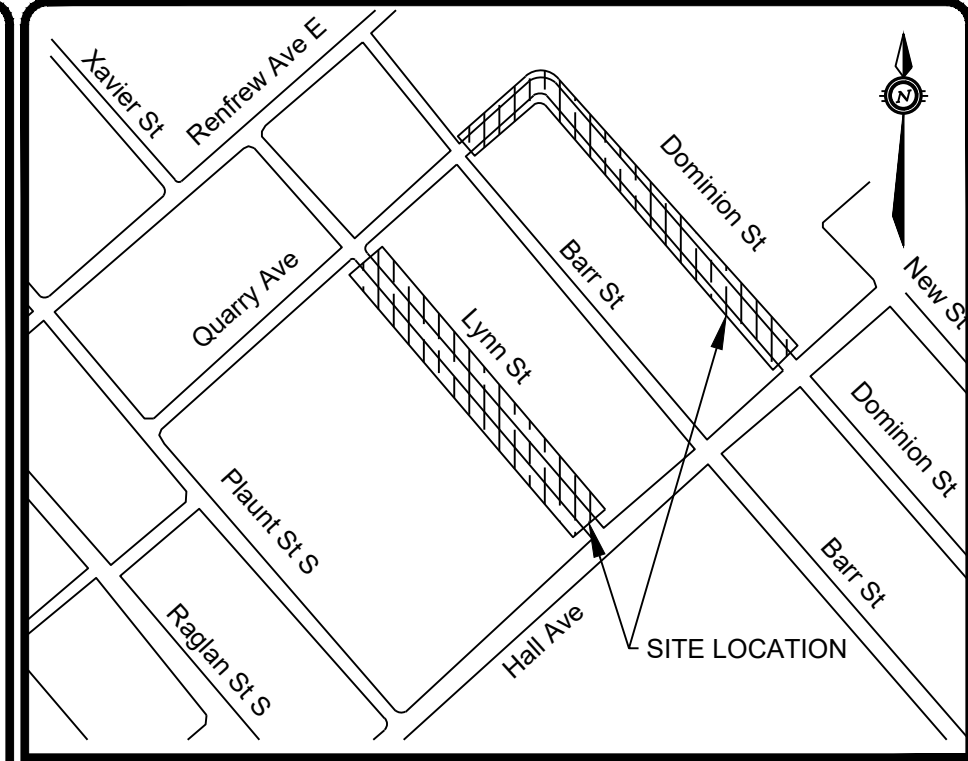
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3 RIGID PIPE BEDDING, COVER, AND BACKFILL TYPE 1 OR 2 SOIL - EARTH EXCAVATION OPSD 802.030



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3 RIGID PIPE BEDDING, COVER, AND BACKFILL ROCK EXCAVATION OPSD 802.033



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2017 Rev 3 SUBDRAIN PIPE CONNECTION AND OUTLET URBAN SECTION OPSD 216.021



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2020 Rev 1 PAVEMENT REINSTATEMENT FOR UTILITY CUTS OPSD 509.010

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.
2	ISSUED FOR TOWNSHIP REVIEW	FEB 2024	Y.A.	A.A.
1	ISSUED FOR TOWNSHIP REVIEW	JAN 2023	M.S.	Y.A.

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Renfrew

Location:  
 DOMINION STREET AND LYNN STREET  
 RENFREW, ONTARIO

Title:  
 DETAILS AND CROSS-SECTIONS PLAN

Designed By: Y.A. Drawn By: Y.A. Checked By: A.A.  
 Scale: N/A Date: JAN, 2023 Drawing No.:  
 Project No.: OTT-22020566-AO **C400**