







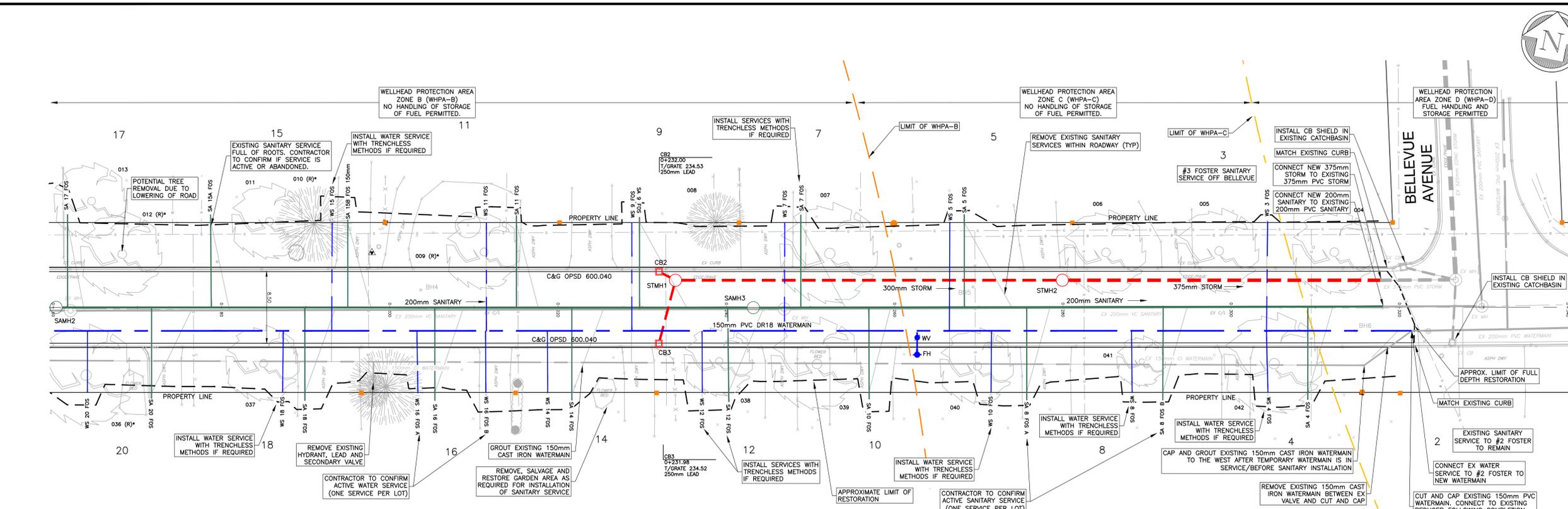
REV. No.	DATE	REVISION
0	2025/08/22	30% DESIGN REVIEW
1	2025/12/18	90% DESIGN REVIEW
2	2026/02/02	ISSUED FOR TENDER

**NOTE:**  
THE CONTRACTOR IS CAUTIONED THAT ALL OF THE EXISTING UTILITIES ARE NOT INDICATED ON THIS DRAWING. THE CONTRACTOR MUST ARRANGE FOR LOCATES FROM EACH AREA UTILITY COMPANY PRIOR TO ANY CONSTRUCTION OR EXCAVATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES INCLUDING THOSE NOT INDICATED ON THIS DRAWING. G. DOUGLAS VALLEE LTD. CAN NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO ANY EXISTING UTILITY WHICH MAY OR MAY NOT BE INDICATED ON THIS DRAWING.

**SURVEY INFORMATION:**  
LEGAL SURVEY COMPLETED BY JEWITT AND DIXON LTD. DATED 07/03/25. FOSTER STREET IN THE TOWN OF SIMCOE IN NORFOLK COUNTY

**TOPOGRAPHIC SURVEY COMPLETED BY G.D. VALLEE DATED 05/29/25 BASED ON THE FOLLOWING:**  
VERTICAL DATUM: 2010  
COORDINATE SYSTEM: UTM ZONE 17 NORTH

**SITE BENCHMARKS:**  
BM1: SOUTHWEST CORNER OF CONCRETE CANADA POST MAIL BOX PAD ON EAST SIDE OF BECKETT BOULEVARD AT #37 BECKETT BOULEVARD. ELEV: 232.12m  
BM2: SPIKE IN SOUTH FACE OF HYDRO POLE APPROX. 0.3M ABOVE GROUND SURFACE ON NORTH SIDE OF FOSTER STREET BETWEEN #19 AND #21 FOSTER STREET. ELEV: 235.78m  
BM3: TOP OF LARGE HYDRANT PUMPER ARM ON SOUTH SIDE OF FOSTER STREET AT #64 BELLEVUE AVENUE. ELEV: 233.33m



- NOTES**
- ALL EXISTING STORM, WATER, AND SANITARY TO BE REMOVED UNLESS OTHERWISE NOTED.
  - REFER TO DWG ON FOR RESTORATION DETAILS.
  - SERVICE LOCATIONS TO BE EXCAVATED USING HYDROVAC WHERE NEAR TREES, TO BE DETERMINED IN THE FIELD WHEN EXACT SERVICE LOCATIONS ARE CONFIRMED.
  - REFER TO DWG ON FOR WATERMAIN RESTRAINTS TABLE. ALL BENDS TO BE TIED-IN AND SHOWN ON AS-CONSTRUCTED DRAWINGS.
  - CONTRACTOR TO MAINTAIN 2.5m HORIZONTAL SEPARATIONS AND 0.5m VERTICAL SEPARATIONS BETWEEN WATERMAIN AND SANITARY/STORM SEWERS.
  - NEW SANITARY SERVICES TO EXTEND 1.0m BEYOND PROPERTY LINE.
  - ALL STORM WITH LESS THAN 1.0m COVER TO BE INSULATED PER OPSD 1109.030.
  - ALL WATER WITH LESS THAN 1.7m COVER TO BE INSULATED PER OPSD 1109.030.
  - ALL MANHOLES IN THE ROADWAY SHALL BE FITTED WITH SELF-LEVELING MANHOLE FRAMES AND COVERS AND ADJUSTED TO GRADE DURING SURFACE ASPHALT PLACEMENT.
  - ALL CATCHBASINS AND CATCHBASIN MANHOLES (UNLESS OTHERWISE NOTED) TO BE FITTED WITH CB SHIELD SYSTEM OR APPROVED EQUIVALENT SYSTEM.

# FOSTER STREET

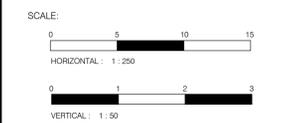
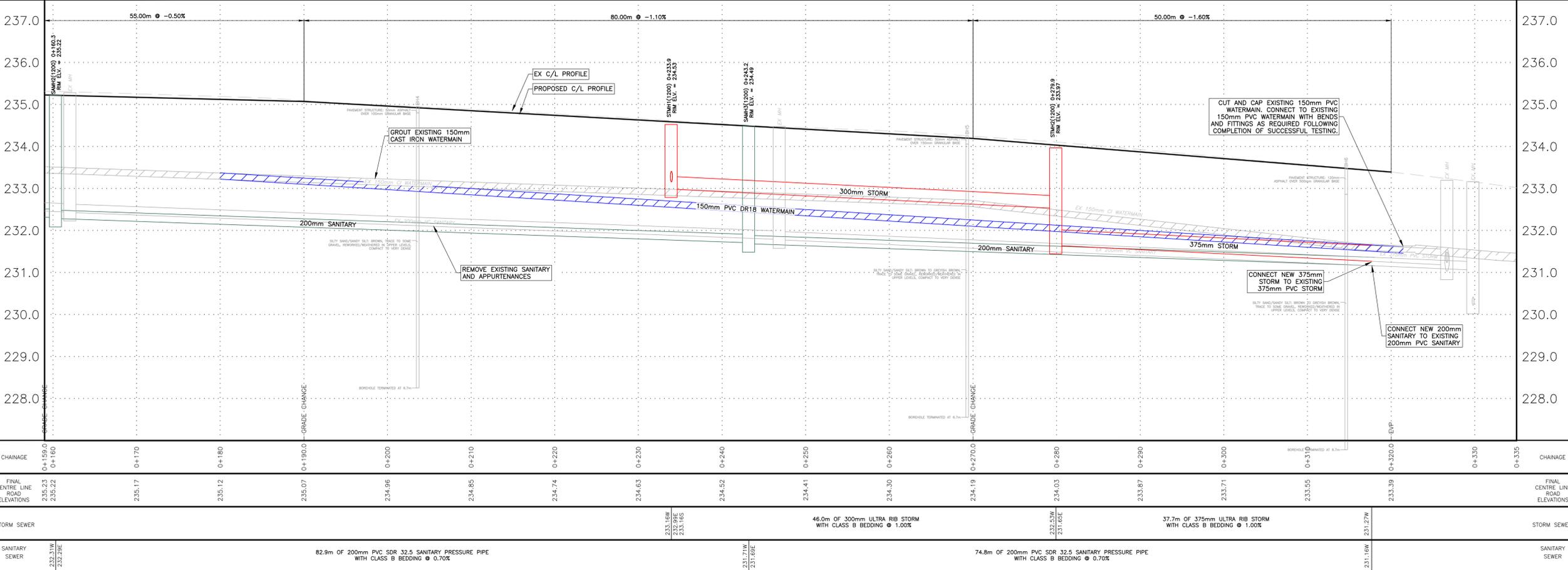
**SERVICE LABELS**

- WS/SA 01 JAM (100mm)
- SERVICE DIAMETER
- 1ST 3 LETTERS OF STREET
- MUNICIPAL STREET #
- WS - WATER SERVICE
- SA - SANITARY SERVICE
- LOCATION TO BE CONFIRMED BY CONTRACTOR IN FIELD

**TREE LABELS**

- 000 (R/P) (R)
- REVIEW BEFORE REMOVAL
- TO BE REMOVED/PRUNED
- TREE IDENTIFICATION NUMBER PER ARBORIST REPORT.

**NOTE:** REFER TO ARBORIST REPORT FOR SPECIFIC DETAILS.



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PROVINCE OF ONTARIO

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LICENSED PROFESSIONAL ENGINEER  
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PROVINCE OF ONTARIO

Project Title  
**PW-EAM-26-36**  
**FOSTER STREET RECONSTRUCTION**  
SIMCOE - NORFOLK COUNTY

Drawing Title  
**PLAN AND PROFILE 2**  
**STA. 0+160 - 0+335**

Designed by: NLO  
Checked by: TGS  
Drawing Scale: AS NOTED

Drawn By: RCS  
Date Started: February 2, 2026  
Drawing No. **02**

Project No. **25-099**

**GENERAL NOTES**

- PRIOR TO CLOSING ANY STREET, THE CONTRACTOR SHALL OBTAIN CLEARANCE BY FILLING OUT THE COUNTY'S NOTICE OF ROAD CLOSURE FORM AND NOTIFY SCHOOL BUS OPERATORS OF STREETS USED FOR DETOUR AND THE DURATION OF THE DETOUR. THE CONTRACTOR MUST SUPPLY AND MAINTAIN ADEQUATE LOCAL DETOUR SIGNS AND LIGHTS. THE CONTRACTOR MUST MAINTAIN MAXIMUM ACCESS TO ALL PROPERTIES AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY MEASURES TO CONTROL SILT ENTERING THE STORM DRAINAGE SYSTEM TO THE SPECIFICATIONS OUTLINED IN THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES PREPARED BY THE MINISTRY OF NATURAL RESOURCES. THESE MEASURES ARE TO BE INSTALLED PRIOR TO COMMENCING ANY CONSTRUCTION FOR THIS STREET AND ARE TO REMAIN IN PLACE UNTIL CONSTRUCTION HAS BEEN COMPLETED TO THE SPECIFICATIONS OF THE ENGINEER.
- THE CONTRACTOR IS TO MEET ALL THE REQUIREMENTS OF THE OWNERS OF THE UTILITIES ON THIS PLAN, AND MUST MAKE SATISFACTORY ARRANGEMENTS WITH THE UTILITY COMPANIES FOR CROSSING THEIR INSTALLATIONS AND FOR PROVIDING ADEQUATE PROTECTION DURING CONSTRUCTION. PRIOR TO COMMENCING ANY CONSTRUCTION, ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED AND MARKED. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- ALL ORGANIC, SUITABLE OR UNSUITABLE MATERIALS BENEATH THE ROAD ALLOWANCES MUST BE REMOVED AND THESE AREAS BACKFILLED WITH AN APPROVED FILL MATERIAL, ALL TO THE SATISFACTION OF THE ENGINEER.
- PRIOR TO COMMENCING ANY CONSTRUCTION, ALL EXISTING SEWER OUTLET INFORMATION, BENCHMARKS, DIMENSIONS, ELEVATIONS AND GRADES MUST BE CHECKED AND VERIFIED AND ANY DISCREPANCIES REPORTED TO THE ENGINEER IMMEDIATELY.
- PDC'S SHALL BE 100mm Ø PVC SDR26 PRESSURE PIPE WITH CLASS 'B' BEDDING. PDC'S SHALL BE LAID AT A 2% (min) GRADE c/w 22.5' OR 45' LONG RADIUS BENDS AS REQUIRED. PDC'S SHALL BE CONNECTED TO THE EXISTING PDC'S WITH APPROVED WATERTIGHT COUPLINGS. THE CONTRACTOR SHALL USE 22.5' OR 45' LONG RADIUS BENDS AND A MINIMUM 2% GRADE TO AVOID CONFLICTS WITH EXISTING SEWERS, WATERMANS AND UTILITIES.
- ALL CATCH BASIN LEADS FOR SINGLE CATCH BASINS SHALL BE 250mm Ø PVC SDR35 WITH CLASS 'B' BEDDING, UNLESS OTHERWISE NOTED. ALL CATCH BASIN LEADS FOR TWIN INLET CATCH BASINS SHALL BE 300mm Ø PVC SDR35 WITH CLASS 'B' BEDDING, UNLESS OTHERWISE NOTED.
- ALL PVC WATERMAIN SHALL HAVE TWU 10 COPPER TRACING WIRE LAID ALONG ENTIRE LENGTH. ALL COPPER SERVICES TO BE CONNECTED TO MAIN LINE TRACER WIRE PER COUNTY SPECIFICATIONS. ALL WATERMAIN SHALL HAVE 1.7m TO 1.9m COVER.
- ALL NEW WATER SERVICES SHALL BE CROSS-LINKED POLYETHYLENE (PEX) PIPE, CSA CERTIFIED TO CSA B137.5 CONFORMING TO AWWA C904 AND SHALL BE SDR9, PRESSURE RATED AT THE FOLLOWING:
  - 160 PSI AT 73.4°F (100 kPa at 23°C)
  - 100 PSI AT 180°F (690 kPa at 82°C)
  - 80 PSI AT 200°F (55 kPa at 93°C)
- NEW WATER SERVICE SIZE TO MATCH EXISTING SERVICE. MIN SIZE 25mm.
- TRACER WIRE SHALL BE TAPPED TO WATER SERVICE LINE 2.0m ON CENTER AND CONNECTED TO CURB STOP TAIL NUT AT PROPERTY LINE AND TO MAIN LINE TRACER WIRE WITH WATER TIGHT CONNECTIONS.
- WATERMAIN FITTINGS SHALL BE MECHANICAL JOINT OR PUSH-ON JOINT INSTALLED WITH APPROVED MECHANICAL THRUST RESTRAINTS.
- ALL MECHANICAL THRUST RESTRAINTS SHALL CONFORM TO CONTRACT DOCUMENT SPECIFICATIONS.
- ALL NON-COATED METAL SURFACES TO BE COMPLETELY WRAPPED IN DENSO TAPE.
- WATERMAIN TRACER BOXES TO BE SNAKE PIT LD14TP-ADJ (BLUE) BY COPPERHEAD INDUSTRIES AND LOCATED AT EACH FIRE HYDRANT.
- ALL INSULATED CONFLICTS TO BE SHOWN ON AS CONSTRUCTED PLANS.

**GENERAL SEDIMENT CONTROL MEASURES**

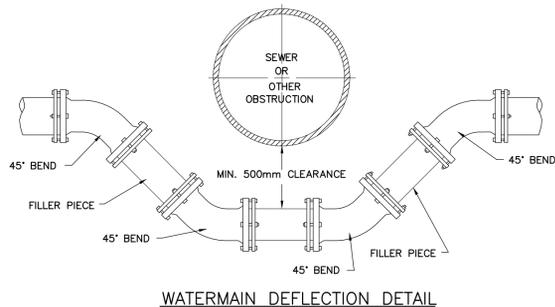
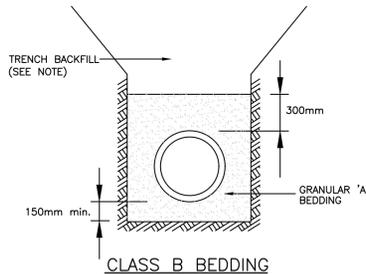
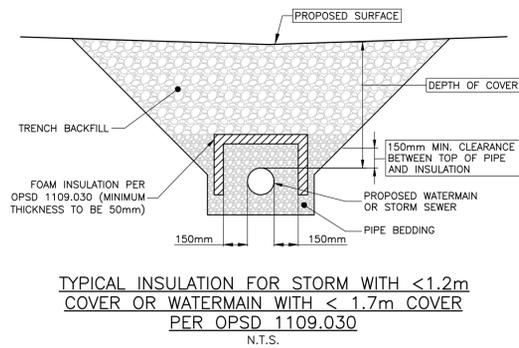
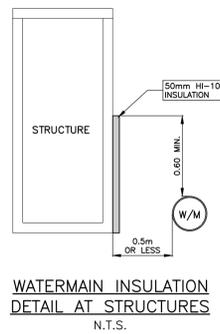
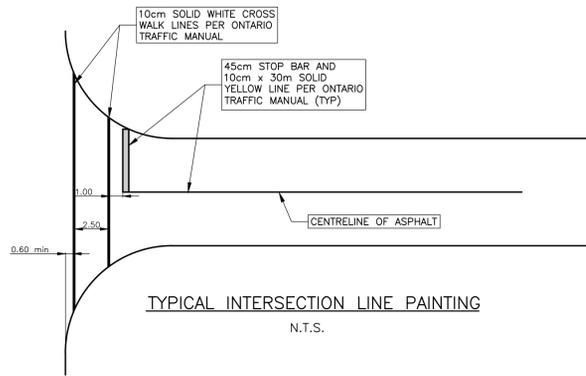
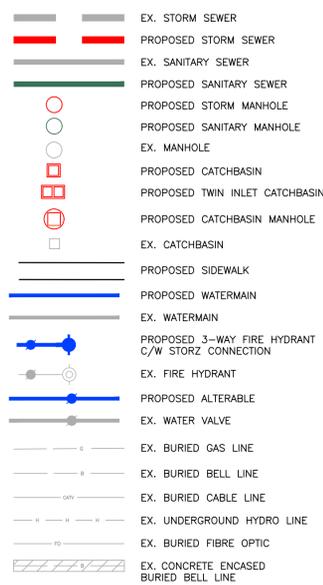
- PROTECT ALL EXPOSED SURFACES AND CONTROL ALL RUNOFF DURING CONSTRUCTION.
- ALL EROSION CONTROL MEASURES TO BE IN PLACE BEFORE STARTING CONSTRUCTION AND REMAIN IN PLACE UNTIL RESTORATION IS COMPLETE.
- MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION ALL COLLECTED SEDIMENT TO BE DISPOSED OF AT AN APPROVED LOCATION.
- MINIMIZE AREA DISTURBED DURING CONSTRUCTION
- ALL DEWATERING TO BE DISPOSED OF IN AN APPROVED SEDIMENTATION BASIN.
- PROTECT ALL CATCHBASINS, MANHOLES AND PIPE ENDS FROM SEDIMENT INTRUSION WITH GEOTEXTILE (TERRAFIX 270R OR APPROVED EQUIVALENT)
- KEEP ALL SLUMPS CLEAN DURING CONSTRUCTION .
- PREVENT WIND-BLOWN DUST.
- STRAW BALES TO BE USED IN LOCALIZED AREAS AS SHOWN AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION.

**ROAD & BOULEVARD RESTORATION**

ALL DISTURBED AREAS SHALL BE RESTORED AS FOLLOWS:

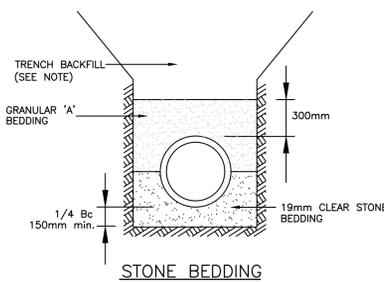
- ALL SIDE ROAD CUTS SHALL BE RESTORED WITH
  - 40mm HL3 SURFACE ASPHALT (97% MARSHALL)
  - 50mm HL8 BASE ASPHALT (97% MARSHALL)
  - 150mm GRANULAR "A" BASE (100% SPMD)
  - 450mm GRANULAR "B" TYPE 2 SUBBASE (100% SPMD) GRANULAR "B" TO BE EXTENDED 0.3m BEHIND BACK OF CURB
- ALL HIGHWAY ROAD CUTS SHALL BE RESTORED WITH
  - 50mm HL3 SURFACE ASPHALT (97% MARSHALL)
  - 100mm HL8 BASE ASPHALT (97% MARSHALL)
  - 150mm GRANULAR "A" BASE (100% SPMD)
  - 450mm GRANULAR "B" TYPE 2 SUBBASE (100% SPMD) GRANULAR "B" TO BE EXTENDED 0.3m BEHIND BACK OF CURB
- BOULEVARDS SHALL BE RESTORED WITH SOD OVER 100mm TOPSOIL (min) UNLESS OTHERWISE NOTED
- ASPHALT DRIVEWAYS SHALL BE RESTORED WITH 150mm OF GRANULAR "A" (100% SPMD) WITH 50mm OF HL3 ASPHALT (97% MARSHALL)
- GRAVEL DRIVEWAYS SHALL BE RESTORED WITH 150mm OF GRANULAR "A" (100% SPMD) WITH 50mm OF HL3 ASPHALT (97% MARSHALL)
- CONCRETE DRIVEWAYS SHALL BE RESTORED WITH 150mm OF GRANULAR "A" (100% SPMD) AND 150mm OF CONCRETE (CLASS C2) AT RESIDENTIAL DRIVEWAYS AND 200mm OF CONCRETE (CLASS C2) AT COMMERCIAL DRIVEWAYS.

**LEGEND**

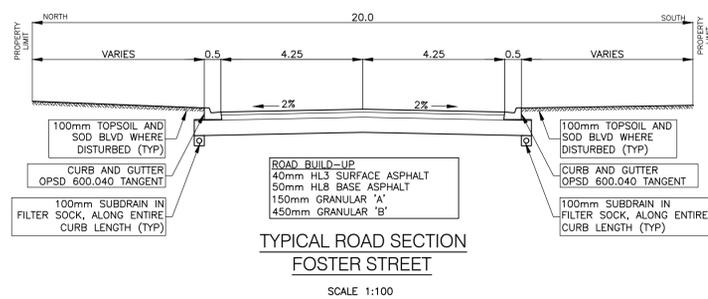
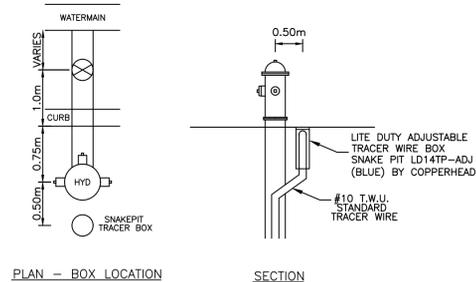
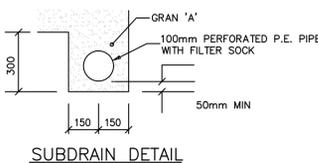


DIAMETER (mm)	MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTINGS (m)			
	11-1/4"	22-1/2"	45°	90° AND TEES DEAD END AND VALVES
100	4.0			4.0
150				5.5
200				7.0
250				8.5
300				10

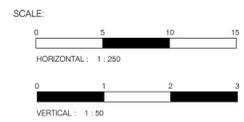
ALL JOINTS WITHIN DISTANCES SHOWN SHALL BE RESTRAINED WITH A MEG-A-LUG JOINT RESTRAINT



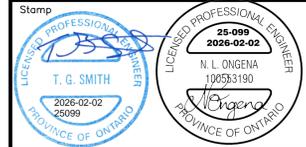
- NOTES:
- 19mm CLEAR STONE BEDDING SHALL BE USED IN PLACE OF THE STANDARD BEDDING WHERE HIGH HYDRAULIC GRADIENT CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION.



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**FOSTER STREET RECONSTRUCTION**  
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Drawing Title  
**GENERAL NOTES**

Designed by : \_\_\_\_\_ Drawn By : \_\_\_\_\_

Checked by : \_\_\_\_\_ Date Started : \_\_\_\_\_

Drawing Scale : AS SHOWN Drawing No. **GN**

Project No. **25-099**