

- SERVICING NOTES**  
UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING REQUIREMENTS SHALL APPLY TO THIS PROJECT:
- A. GENERAL**
- FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE STANDARD DRAWINGS REFERRED TO ON THESE DRAWINGS.
  - ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR FOR ACCURACY PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
  - ALL CONSTRUCTION INDICATED THIS  $\text{---} \text{---} \text{---}$  IS BY OTHERS UNLESS OTHERWISE NOTED.
  - ALL TIES ARE TO BE TAKEN TO THE CENTRE OF MANHOLES.
  - ALL TRENCHING TO BE DONE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT.
  - ALL RECONSTRUCTION, RESTORATION AND RELOCATION TO BE TO THE SATISFACTION OF THE COMMISSIONER OF WORKS OR DIRECTOR OF INFRASTRUCTURE THROUGHOUT.
  - FOR STORM SEWERS, CLASS B SEWER TRENCH BEDDING IS TO BE USED AS PER CITY STANDARD 2112.090. SEWER BEDDING AND COVER MATERIAL SHALL CONFORM WITH CITY STANDARD 2112.090 AND 2112.100 RESPECTIVELY. IF WATER IS PRESENT IN THE TRENCH EXCAVATION, THEN 150mm CLEAR STONE OR 50mm WASH CRUSHED GRAVEL IS TO BE USED FOR BEDDING IN ACCORDANCE WITH CITY STANDARDS 2112.110, RESPECTIVELY.
  - WHERE MET OF SEWER TRENCH SUB-GRADE CONDITIONS ARE ENCOUNTERED, FURTHER ON-SITE GEOTECHNICAL ASSESSMENT MAY BE REQUIRED TO DETERMINE OR RE-EXAMINE THE APPROPRIATE BEDDING IN ORDER TO STABILISE THE SUB-GRADE FOR SEWER CONSTRUCTION. INCREASE IN BEDDING THICKNESS, STONE IMMERSION TECHNIQUES, LEAK PROOFING OR WRAPPING OF SEWER PIPE (CLASS A BEDDING, ETC.).
  - TRENCH BACKFILLING SHALL COMPLY WITH THE CITY'S ENGINEERING POLICY STATEMENT, WHERE THE EXCAVATED INORGANIC NATIVE SUBSOIL IS USED FOR TRENCH BACKFILLING, THE BACKFILL SHOULD BE PLACED IN MAXIMUM 200mm LAYERS, AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
  - THE TOP 1000mm OF THE SUB-GRADE IS TO BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY 2 TO 3% OVER THAN OPTIMUM MOISTURE CONTENT.
  - SAND BACKFILL IS REQUIRED ADJACENT TO MANHOLES, CATCHBASINS AND SERVICE CONNECTIONS.
  - CONTRACTOR TO REMAIN ON SPECIFIED TRUCK ROUTE DURING CONSTRUCTION. THIS ROUTE IS TO BE VERIFIED WITH THE ENGINEER BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
  - PROVIDE PROTECTION TO CONTROL MONUMENTS.
  - DESIGN AND INSPECT SHORING, BRACING, AND UNDERPINNING REQUIRED FOR WORK.
  - REMOVAL OF EXISTING PIPE, STRUCTURE AND APPURTENANCES SHALL INCLUDE OFF SITE DISPOSAL.
  - CONTRACTOR TO SUPPLY ENGINEER WITH ALL UNDERGROUND STORM, SANITARY AND WATERMAIN "AS-BUILT" INFORMATION INCLUDING TOP OF APPURTENANCES.
  - ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
  - ALL SURFACE DRAINAGE WILL BE SELF CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
  - THE PORTIONS OF THE DRIVEWAY WITHIN THE MUNICIPAL BOULEVARD WILL BE PAVED BY THE APPLICANT.
  - AT THE ENTRANCE TO THE SITE, THE MUNICIPAL CURB AND SIDEWALK BE CONTINUOUS THROUGH THE DRIVEWAY AND A CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
  - ALL PROPOSED CURBING WITHIN THE MUNICIPAL BOULEVARD AREA FOR THE SITE IS TO SUIT AS FOLLOWS:
    - FOR ALL SINGLE FAMILY RESIDENTIAL PROPERTIES INCLUDING ON STREET TOWNHOUSES, ALL CURBING IS TO STOP AT THE PROPERTY LIMIT ON THE BACK OF THE MUNICIPAL SIDEWALK, WHICHEVER IS APPLICABLE, OR,
    - FOR ALL OTHER PROPOSALS INCLUDING INDUSTRIAL, COMMERCIAL, AND CONDOMINIUM DEVELOPMENTS, ALL ENTRANCE TO THE SITE ARE TO BE IN ACCORDANCE WITH OPSD 350.010.
  - ALL EXCESS EXCAVATED MATERIAL WILL BE REMOVED FROM THE SITE.
  - THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF ANY UTILITY RELOCATIONS NECESSITATED BY THE SITE PLAN.

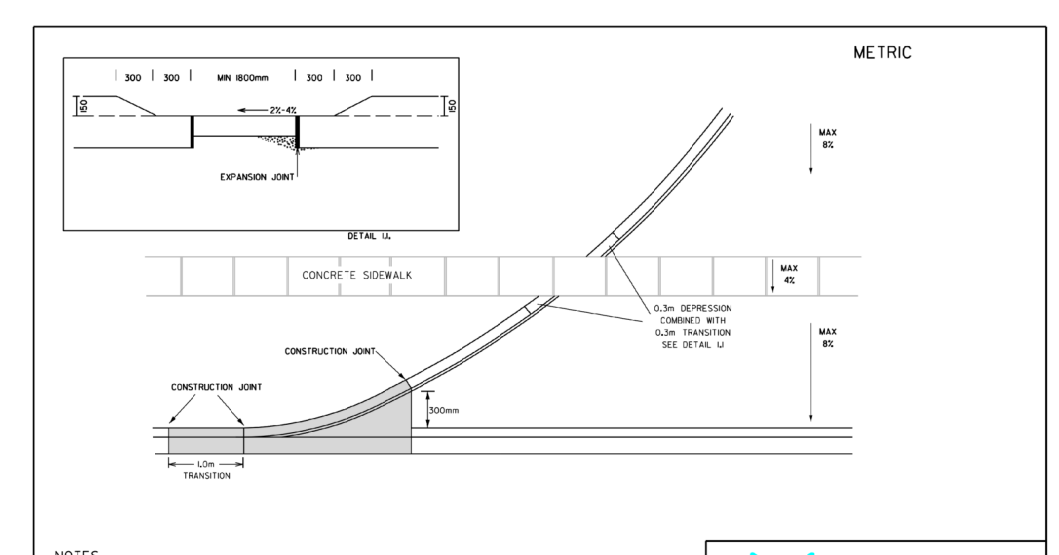
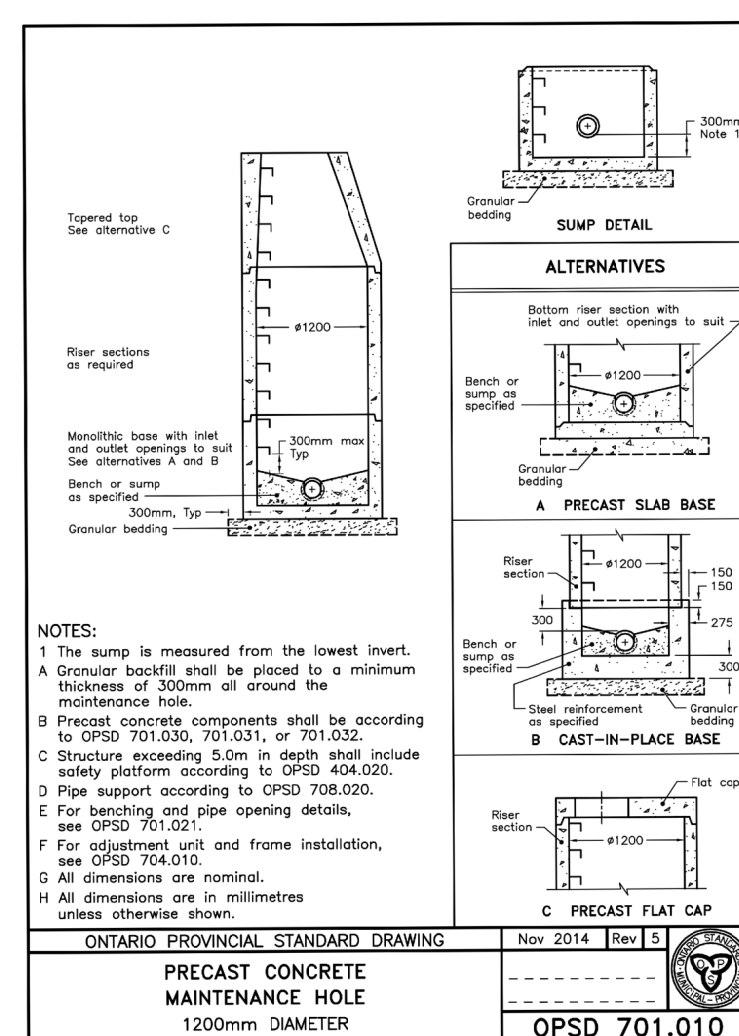
- B. STORM SEWERS (CITY)**
- ALL STORM SEWERS SHALL BE IN ACCORDANCE WITH THE CITY OF MISSISSAUGA SPECIFICATIONS AND DETAILS FOR STORM SEWERS.
  - ALL CONCRETE SEWER PIPE UP TO AND INCLUDING 375 mm DIAMETER SHALL BE EQUAL TO C.S.A. SPECIFICATION A251.1, CLASS 3, OR LATEST AMENDMENT.
  - ALL CONCRETE SEWER PIPE 450 mm TO 600 mm DIAMETER SHALL BE EQUAL TO C.S.A. SPECIFICATION A257.2, CLASS 65, OR LATEST AMENDMENT.
  - ALL CONCRETE SEWER PIPE 675 mm DIAMETER AND OVER SHALL BE EQUAL TO C.S.A. SPECIFICATION A257.2, CLASS 90, OR LATEST AMENDMENT OR AS SPECIFIED ON DRAWINGS.
  - ALL ROVAL KOB-FLO RIBBED SEWER PIPE SHALL BE EQUAL TO C.S.A. SPECIFICATION B-1821-02 AND A.S.T.M. SPECIFICATIONS D-3034-00 AND D-3322-REAC003 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
  - ALL CATCHBASIN LEADS SHALL BE FITTED WITH APPROVED RUBBER GASKET JOINTS.
  - ALL BACKFILL FOR SEWERS, WATERMANS AND UTILITIES WITHIN THE ROAD ALLOWANCE MUST BE MECHANICALLY COMPACTED TO 95% STANDARD PROCTOR DENSITY.
  - ALL STORM SEWERS SHALL BE CONSTRUCTED WITH BEDDING IN ACCORDANCE WITH CITY STD. 2112.090 CLASS 'B', UNLESS OTHERWISE NOTED.
  - IF THE ACTUAL TRENCH WIDTH EXCEEDS THE DESIGN WIDTH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED TO SUPPLY ADDITIONAL BEDDING AND/OR HIGHER CLASS PIPE INCLUDING ALSO THE CONSULTANT COSTS TO REDESIGN AND OBTAIN MUNICIPAL APPROVAL.
  - ALL SEWERS WITH GRADES OF 0.60% OR LESS TO BE CONSTRUCTED WITH LASER AND INSTRUMENT CHECKED PRIOR TO BACKFILLING.
  - WHERE CATCHBASINS ARE LOCATED ON BACKFILLED MATERIAL, DUE TO SEWER CONSTRUCTION, SUCH MATERIAL TO BE REPLACED WITH 15 mm CONCRETE TO SLOD GROUND.
  - SINGLE STREET CATCHBASINS TO BE OPSD 705.010 WITH OPSD. FRAME AND GRATE AS PER OPSD. 704.010. LEAD TO BE 250mm DIA. OR AS SPECIFIED.
  - DOUBLE STREET CATCHBASINS TO BE OPSD 705.020 WITH OPSD. FRAME AND GRATE AS PER OPSD. 704.010. LEAD TO BE 300mm DIA. OR AS SPECIFIED.
  - ALL STORM MANHOLES TO BE AS PER OPSD 701.010, 701.011, 701.012 AND 701.013.
  - ALL MANHOLES TO BE BENCHED THROUGHOUT TO THE OVERTOP OF ALL PIPES ON A VERTICAL PROJECTION FROM SPRINGLINE EXCEPT AS OTHERWISE NOTED.
  - ALL STORM MANHOLES TO HAVE OPSD. 401.010 COVERS.
  - HALF BULKHEADS TO BE INSTALLED IN STORM SEWER OUTLET MANHOLES PRIOR TO CONSTRUCTION AND MAINTAINED TO THE SATISFACTION OF THE CITY OF MISSISSAUGA.

**GENERAL NOTES FOR GRADING**

- A. GENERAL**
- THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN, ENGINEERING PLANS OR ELSEWHERE.
  - FOR EXACT LOCATION OF SERVICE CONNECTIONS, STREET APPURTENANCES, DRIVEWAY LOCATIONS AND CATCHBASINS AND LEADS, CONTRACTOR TO REFER TO ENGINEERING PLANS.
  - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCHBASIN OUTLETS ARE PROVIDED.
  - "EX" INDICATES THE FINAL GRADE AT A LOCATION TO BE THE SAME AS THE EXISTING GRADE.  
(A) BOUNDARY POINTS THE EXISTING GRADE IS TAKEN TO BE IMMEDIATELY ADJOINING THE DEVELOPMENT LANDS)
  - FINAL PERIMETER GRADES FOR THE SITE WHERE NOT OTHERWISE SHOWN HEREON SHALL BE COINCIDENT WITH THE ADJOINING PERIMETER GRADES OF AN ADJACENT LOT OR BLOCK WHICH SHALL HAVE BEEN PREVIOUSLY ESTABLISHED BY, OR CONSTRUCTED IN ACCORDANCE WITH A MUNICIPAL SITE PLAN APPROVAL OR DEVELOPER GRADING APPROVAL.
  - EMBANKMENTS FORMED DURING THE GRADING SHALL HAVE THE FOLLOWING MAXIMUM GRADES:
    - ADJACENT TO DRIVEWAYS, AND SWALE SIDESLOPES - 3:1 MAXIMUM SLOPE.
    - BETWEEN STRUCTURES IN ANY DIRECTION - 3:1 MAXIMUM SLOPE.
  - MAXIMUM DRIVEWAY AND PARKING AREA PAVEMENT GRADES TO BE 5.0%.
  - GRADING AND SODDING OF ADJACENT ROADWAY BOULEVARDS WILL BE PERFORMED IN ACCORDANCE WITH MUNICIPAL SPECIFICATIONS. ALL WATER BOXES, MANHOLE AND CHAMBER COVERS TO BE SET FLUSH WITH FINISHED SOD SURFACE.
  - DRIVEWAY APRON CONSTRUCTION BETWEEN CURB AND STREET LINE TO BE BY CONTRACTOR IN ACCORDANCE WITH MUNICIPAL SPECIFICATIONS.
  - THE BUILDER WILL CONFORM WITH THE CURB CUT LOCATION POLICIES OF THE MUNICIPALITY AND BE RESPONSIBLE FOR ALL RECTIFICATIONS WHICH MAY BE REQUIRED DUE TO DISCREPANCY.
  - ANY TOPSOIL OR ORGANIC MATERIAL CAPABLE OF PRODUCING METHANE WILL BE REMOVED FROM THE SITE OR STOCKPILED FOR LANDSCAPING PURPOSES ONLY.

**C. NOTES FOR REGION OF PEEL**

- GENERAL NOTES**
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
  - THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
  - THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
  - ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
  - WATERMAIN AND / OR WATER SERVICE MATERIALS 100 mm (4") AND SMALLER MUST BE PVC DR18 (AWWA C900) SIZE 50 mm (2") AND SMALLER MUST BE TYPE K SOFT COPPER (ASTM 888-49).
  - WATERMANS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 M (55') WITH A MINIMUM HORIZONTAL SPACING OF 1.2 M (4') FROM THEMSELVES AND ALL OTHER UTILITIES.
  - PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 mm (2") OUTLET ON 100 mm (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN INTO A PARKING LOT OR SOAK A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100 mm (4") DIAMETER MINIMUM ON A HYDRANT.
  - ALL CURB STOPS TO BE 3.0 M (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
  - HYDRANT AND VALVE SET TO REGION STANDARD 1 - 6 - 1 DIMENSION A AND B. 0.7 M (2') AND 0.9 M (3') AND TO HAVE PUMPER NOZZLE.
  - WATERMANS TO BE INSTALLED BEHIND GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
  - WATERMANS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3 M (12") OVER / 0.5 M (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
  - ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
  - ALL LINE TAPPING AND OPERATION OF RECORD WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
  - ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE GOVERNOR OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-1 OR 1-7-2.



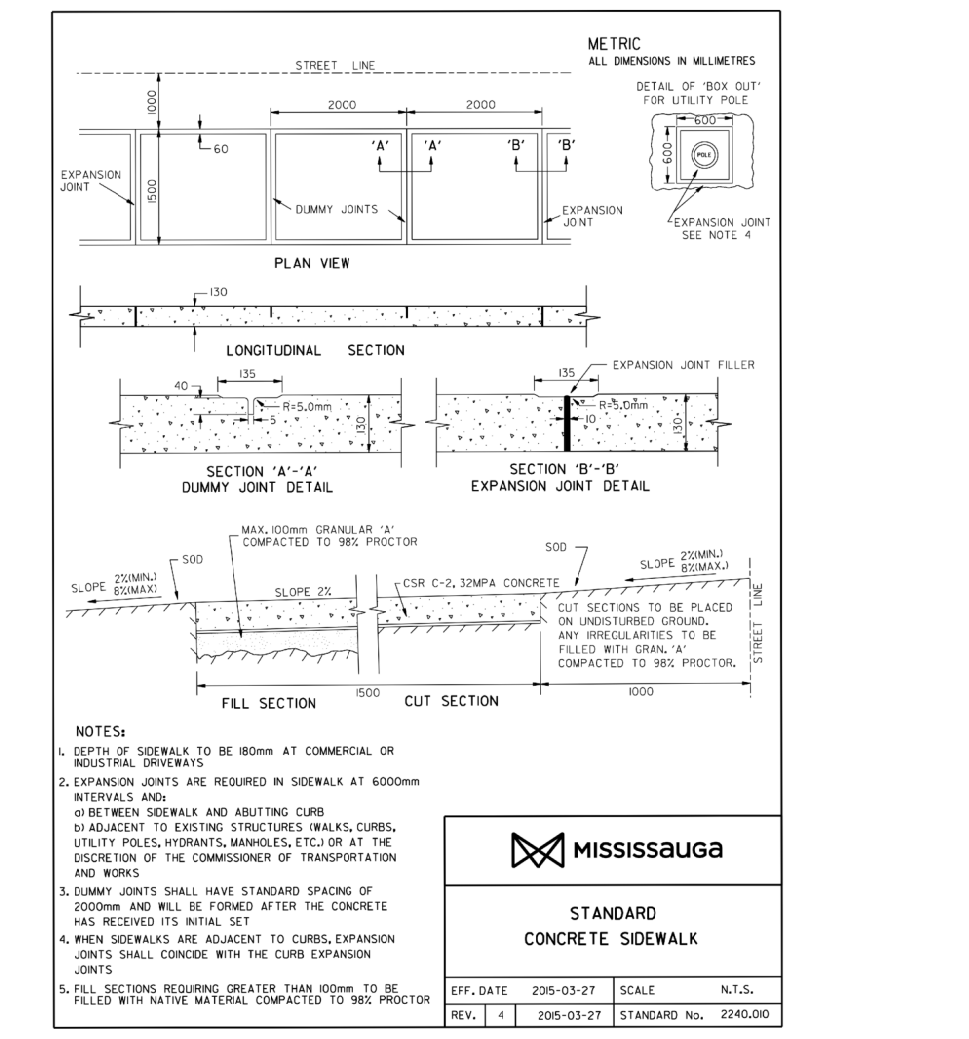
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**MISSISSAUGA**

COMMERCIAL, INDUSTRIAL,  
URBANE CURB RETURN  
AT STREET CURB

REV. DATE: AUGUST 2009



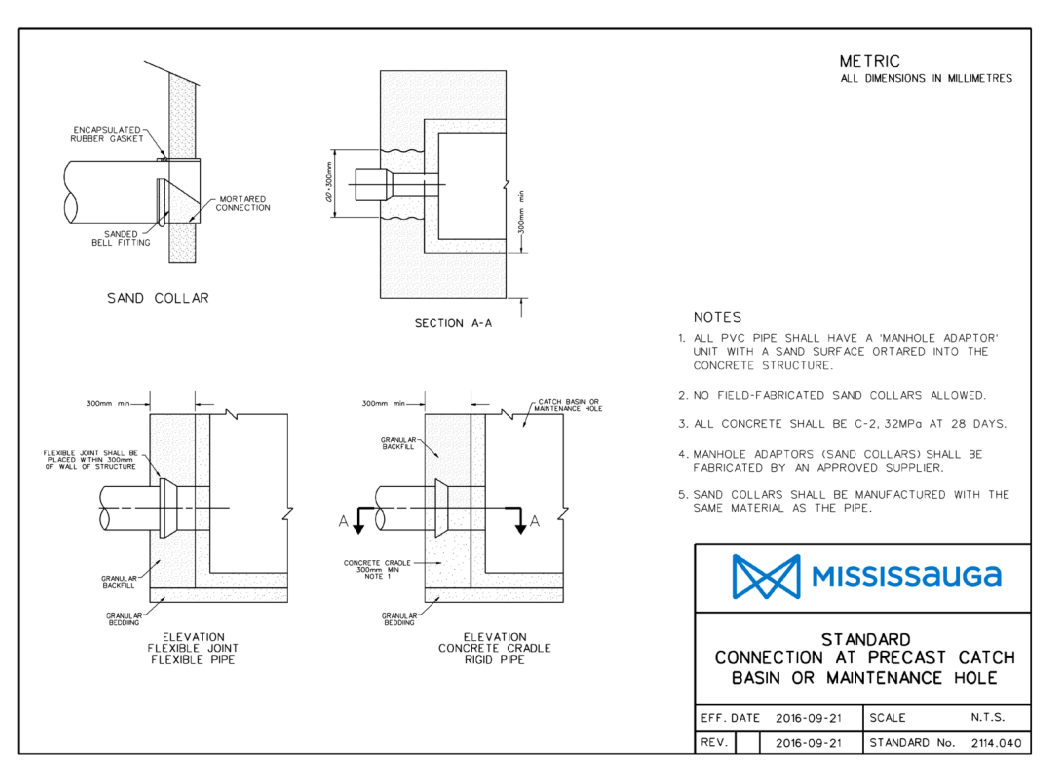
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CONCRETE DETAILS

REV. DATE: AUGUST 2009



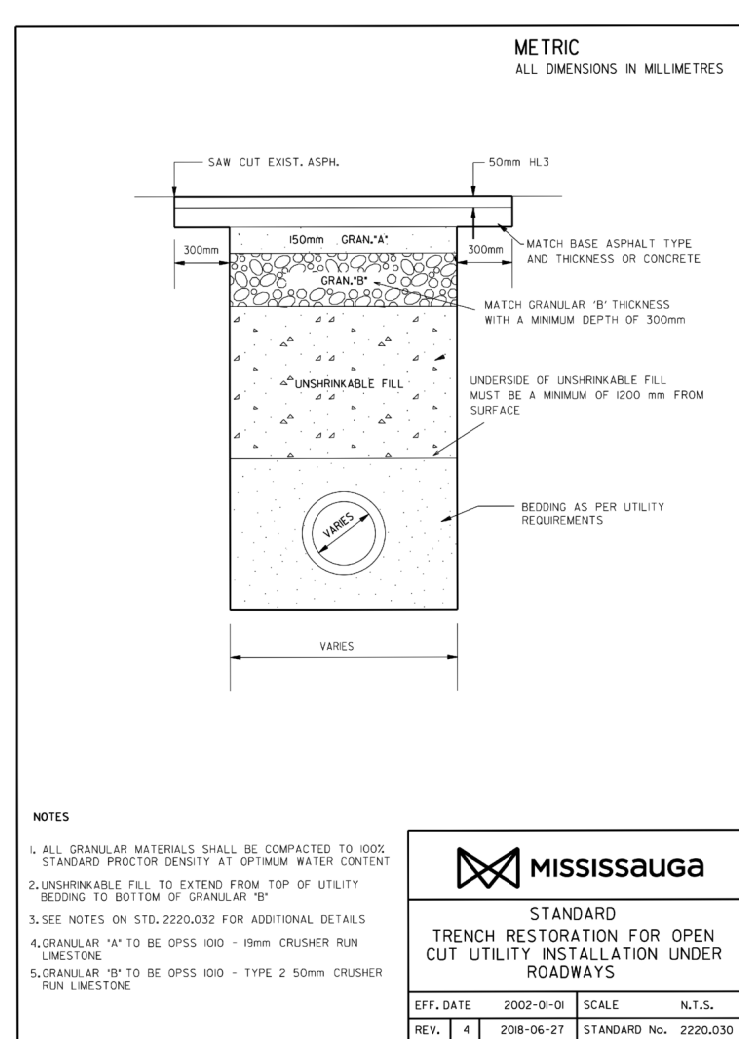
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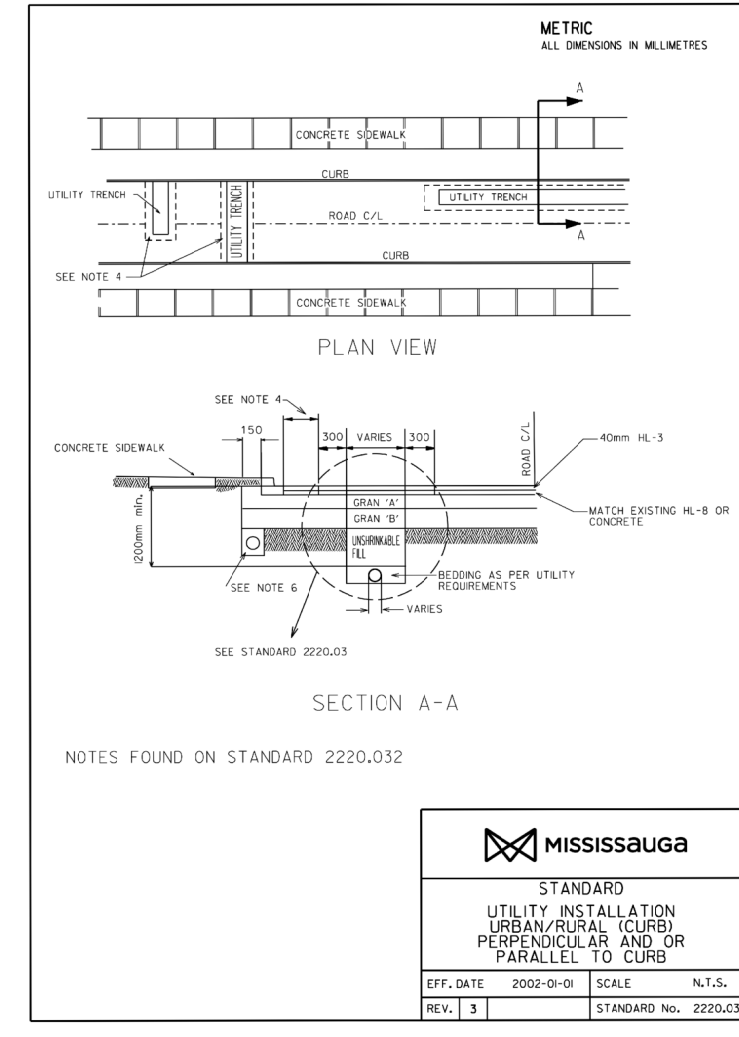
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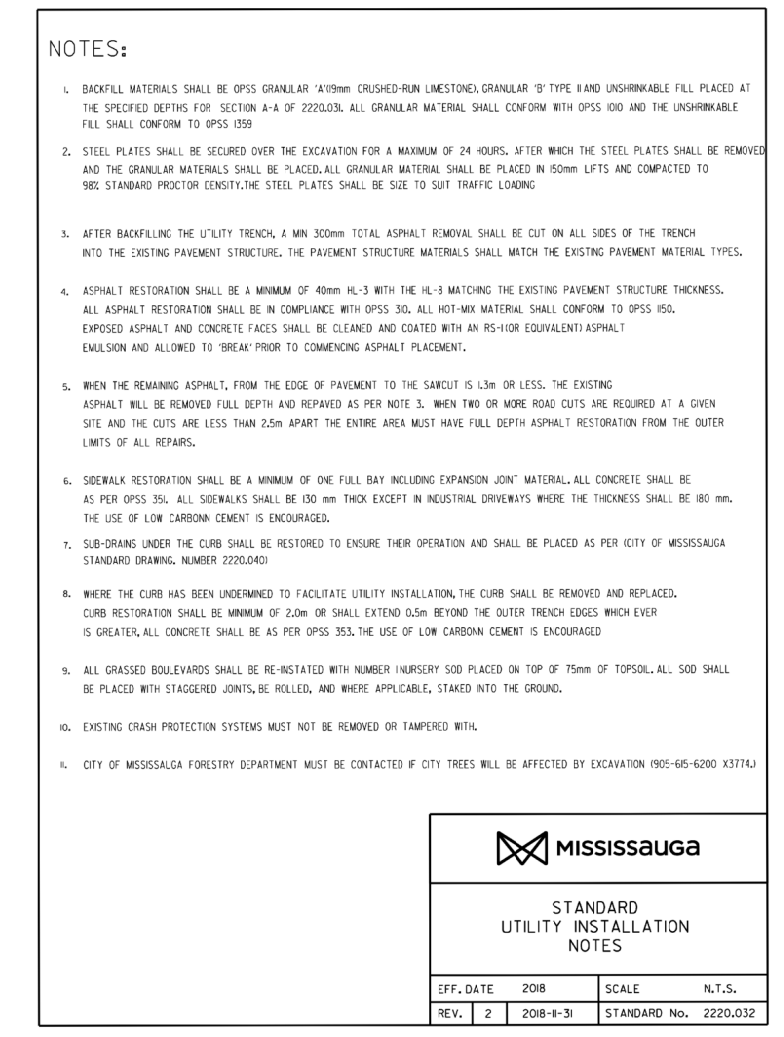
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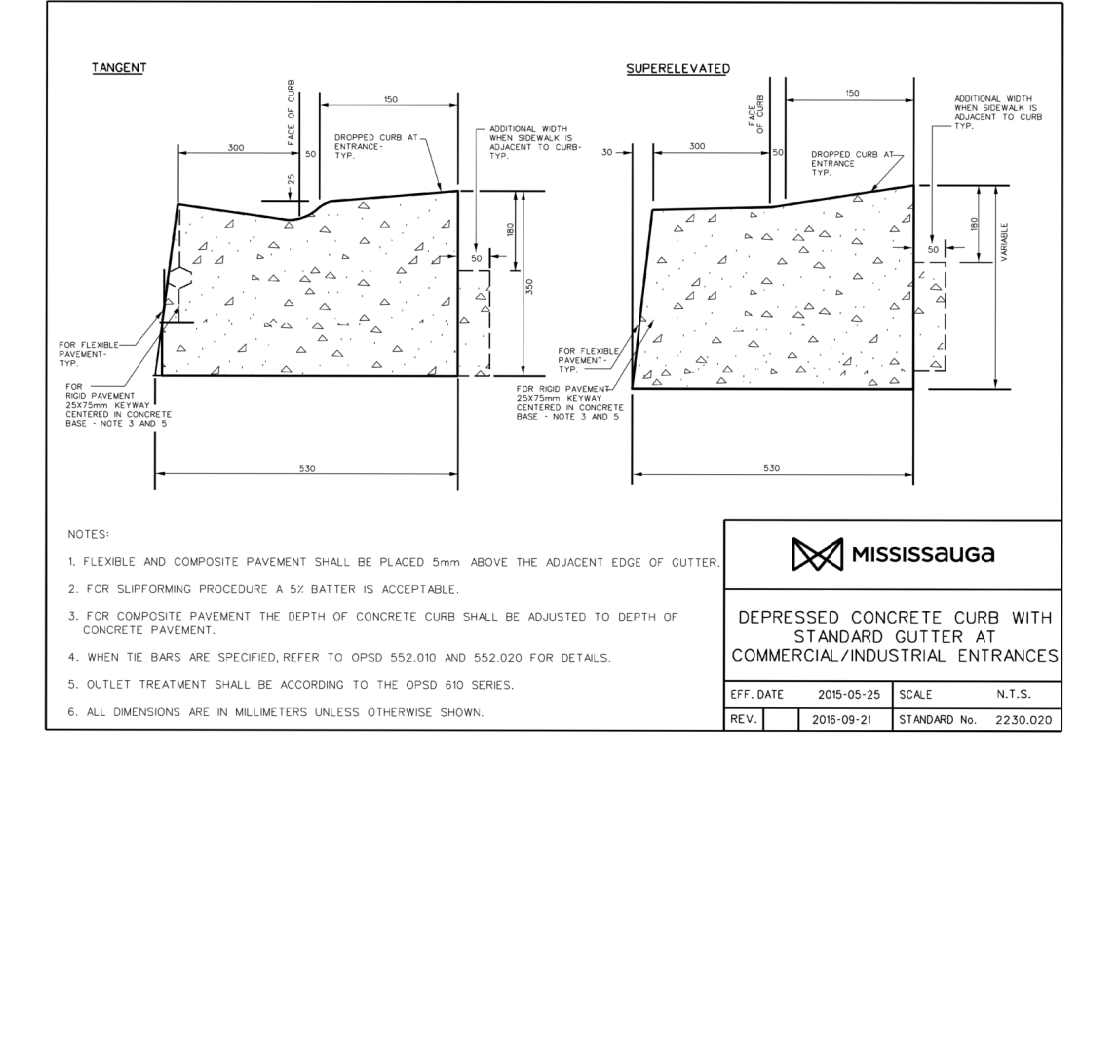
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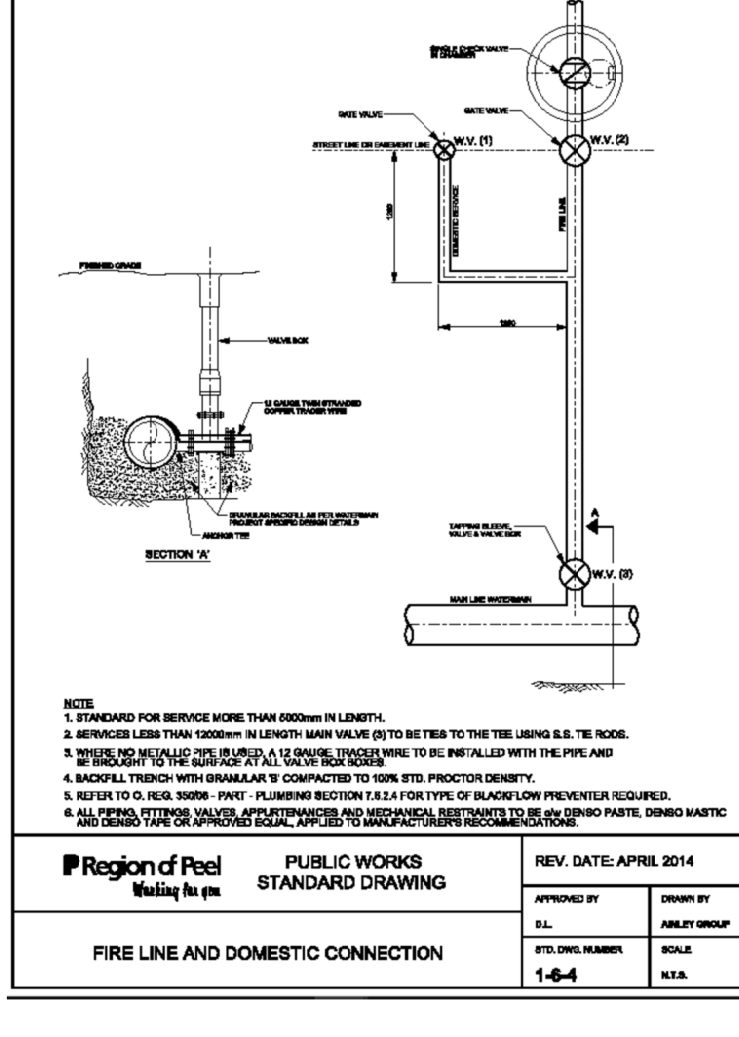
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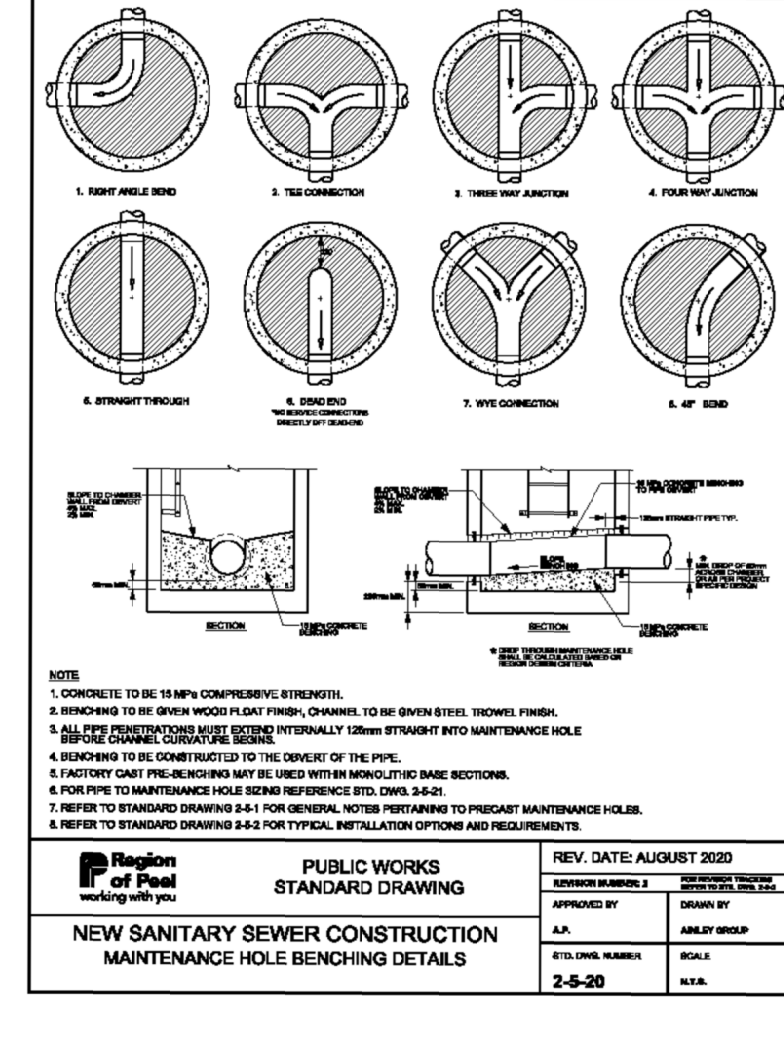
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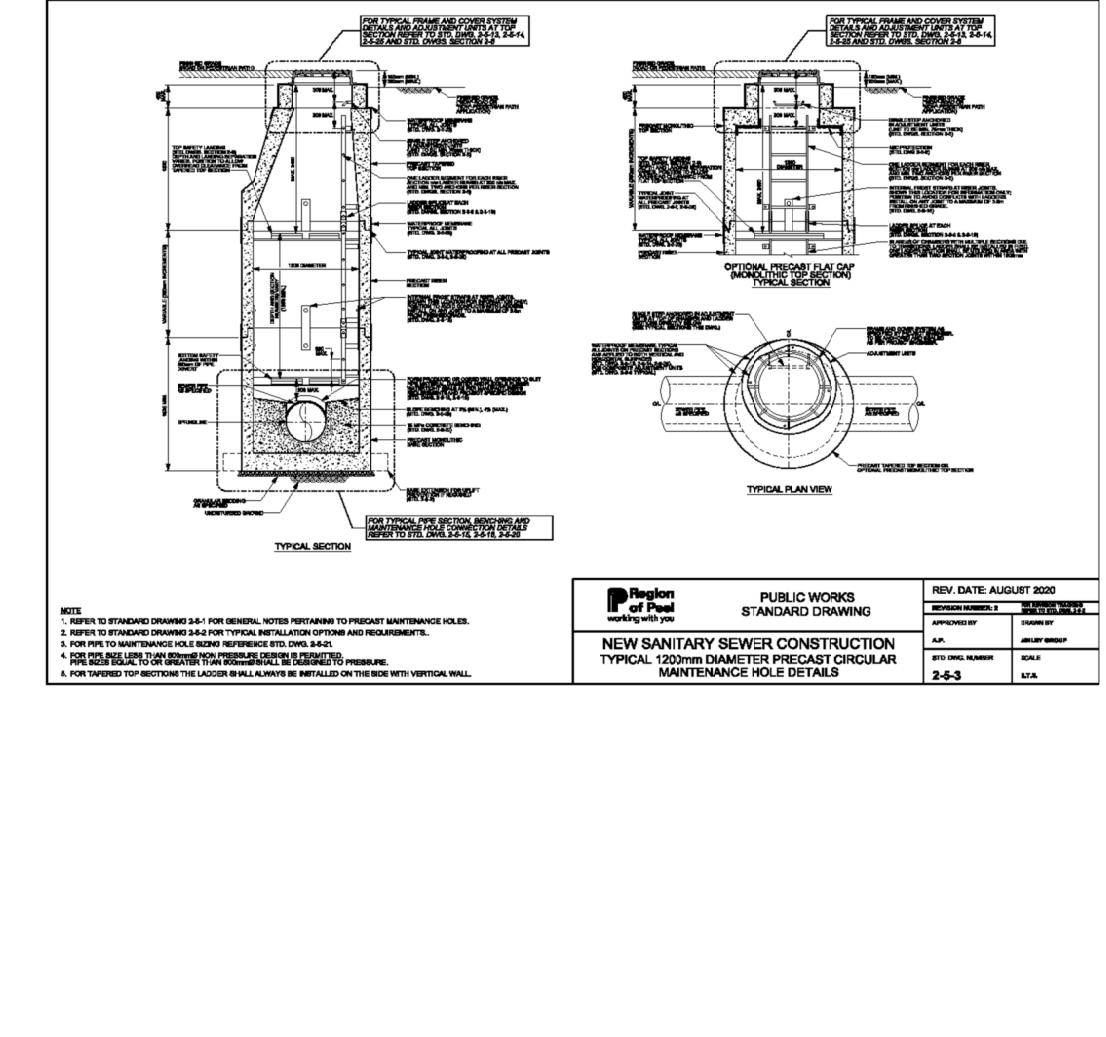
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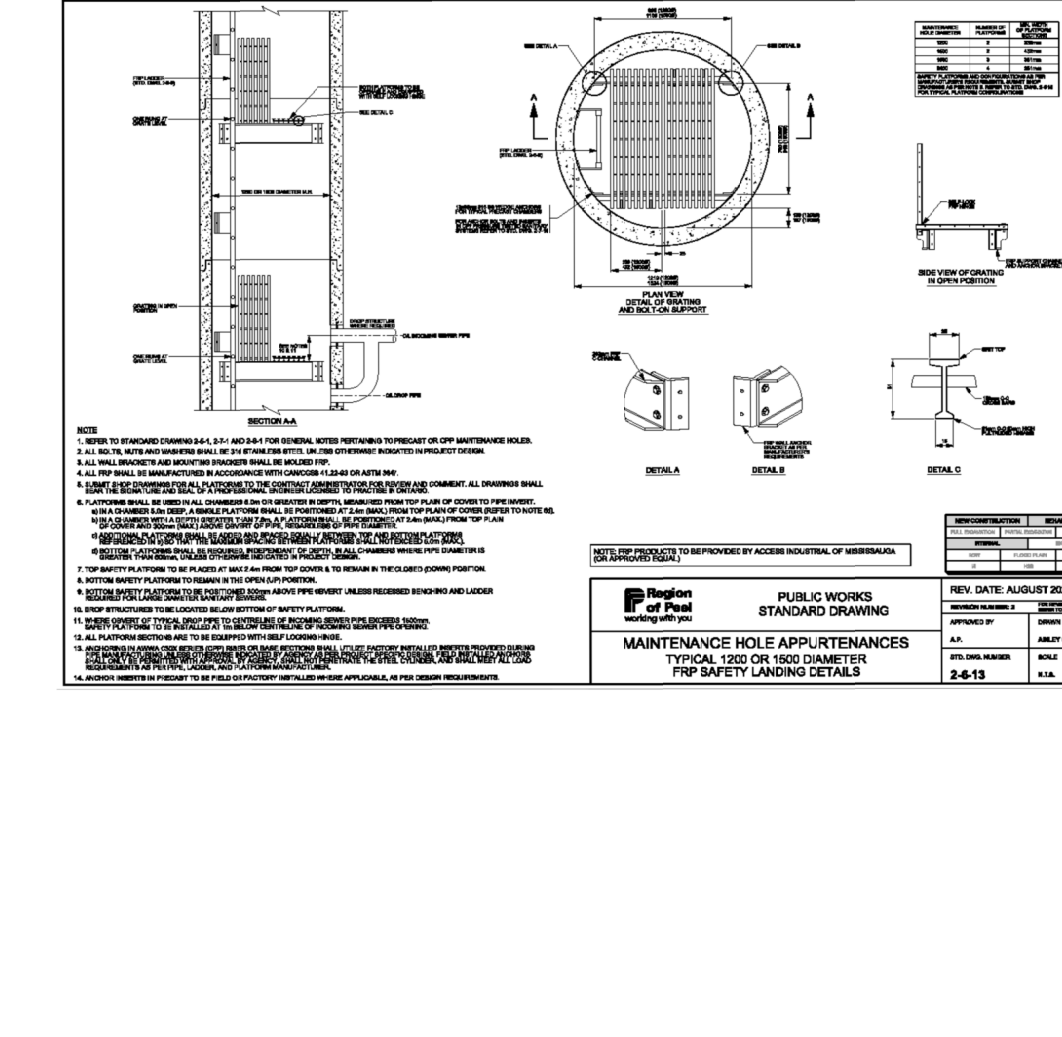
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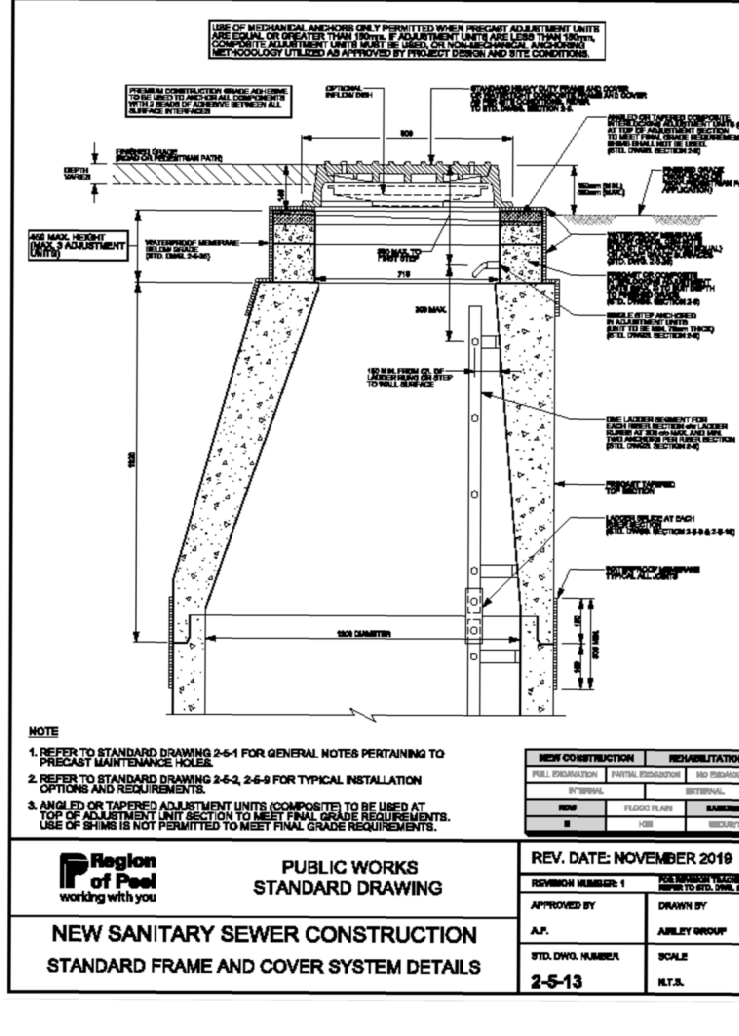
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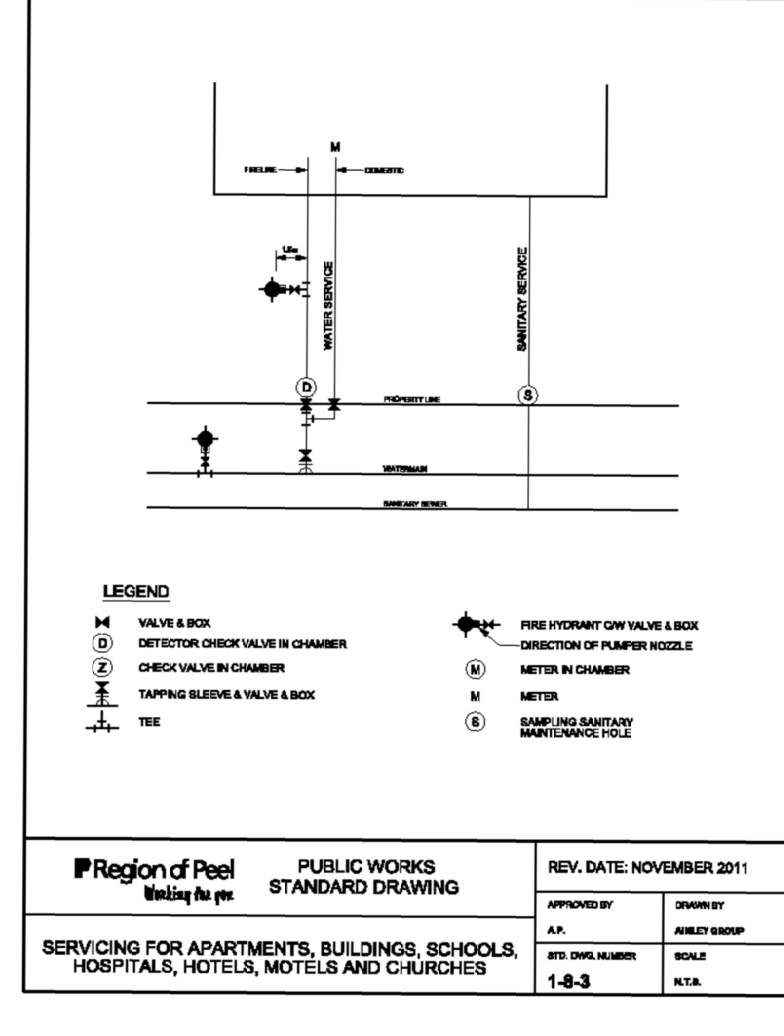
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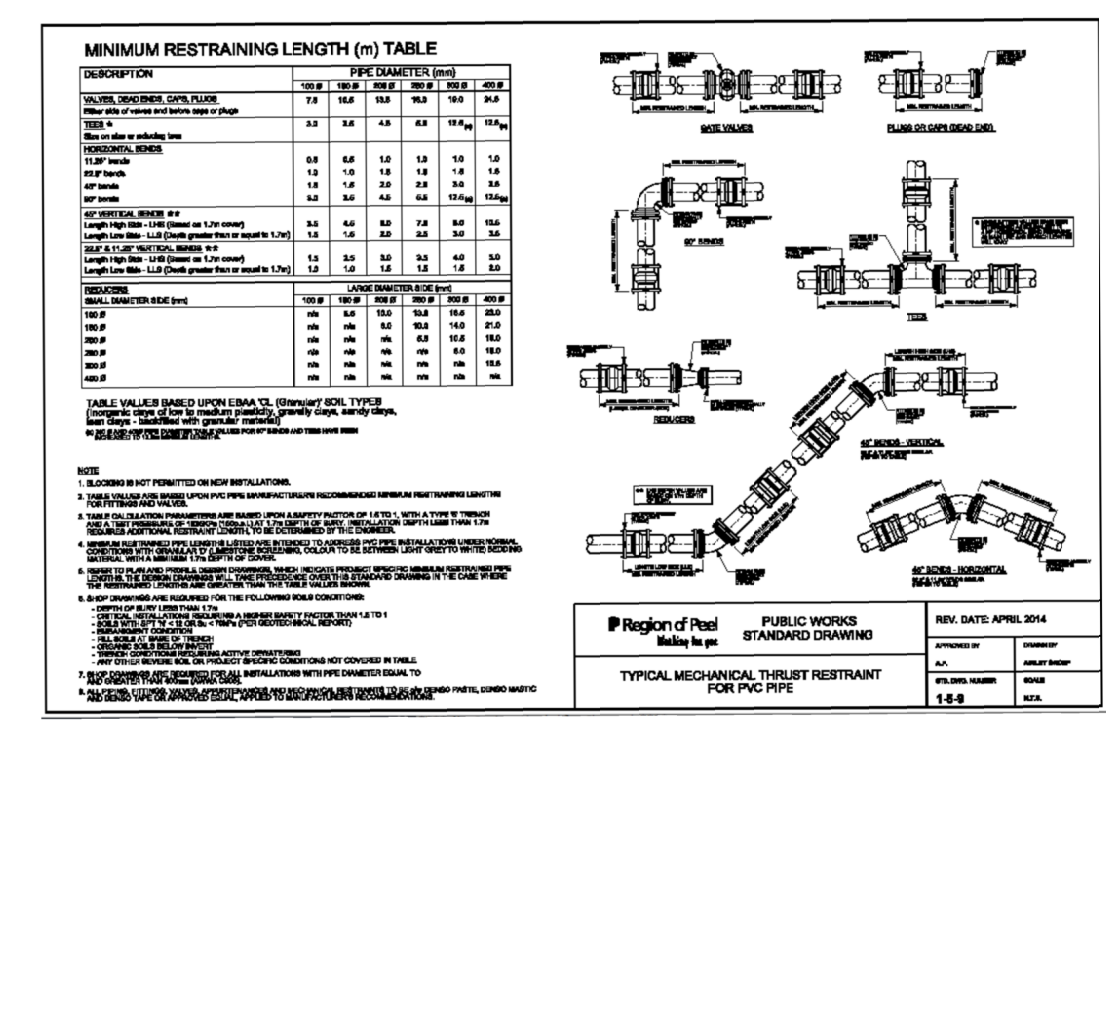
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QUEENCORP ERIN MILLS L.P.

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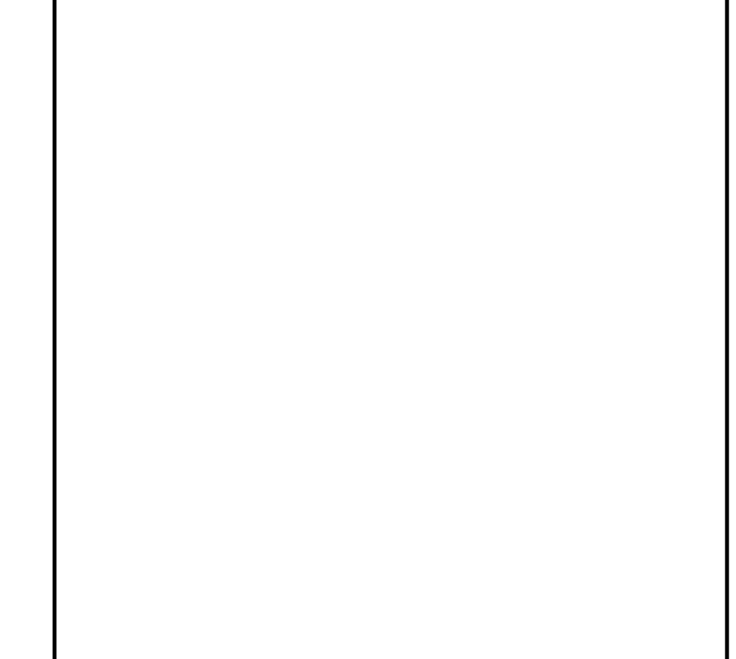
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**ISSUES**

NO.	DESCRIPTION	DATE
1.	ISSUE FOR 20A	JULY 22, 2022
2.		
3.		
4.		

**LEGEND**



**IBI GROUP**  
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**PROJECT**  
4099 ERIN MILL PKWY  
CITY OF MISSISSAUGA

**LIST OF DRAWINGS**

NO.	DESCRIPTION	DATE
ES-01	(SITE SERVICING PLANS)	
ES-02	(SITE GRADING PLAN)	
ES-03	(EROSION AND SEDIMENT CONTROL PLAN)	
XS-01	(CROSS SECTIONS)	
GS-01	(GENERAL NOTES AND DETAILS)	

**PROJECT INFORMATION**

NO.	DESCRIPTION	DATE
1.	ISSUE FOR 20A	JULY 22, 2022

**GENERAL NOTES AND DETAILS**

**SHEET NUMBER**  
DD-01

**ISSUE**  
01

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1.	ISSUE FOR 20A	JULY 22, 2022

**GENERAL NOTES AND DETAILS**

**SHEET NUMBER**  
DD-01

**ISSUE**  
01

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**PROJECT**  
4099 ERIN MILL PKWY  
CITY OF MISSISSAUGA

**LIST OF DRAWINGS**

NO.	DESCRIPTION	DATE
ES-01	(SITE SERVICING PLANS)	
ES-02	(SITE GRADING PLAN)	
ES-03	(EROSION AND SEDIMENT CONTROL PLAN)	
XS-01	(CROSS SECTIONS)	
GS-01	(GENERAL NOTES AND DETAILS)	

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