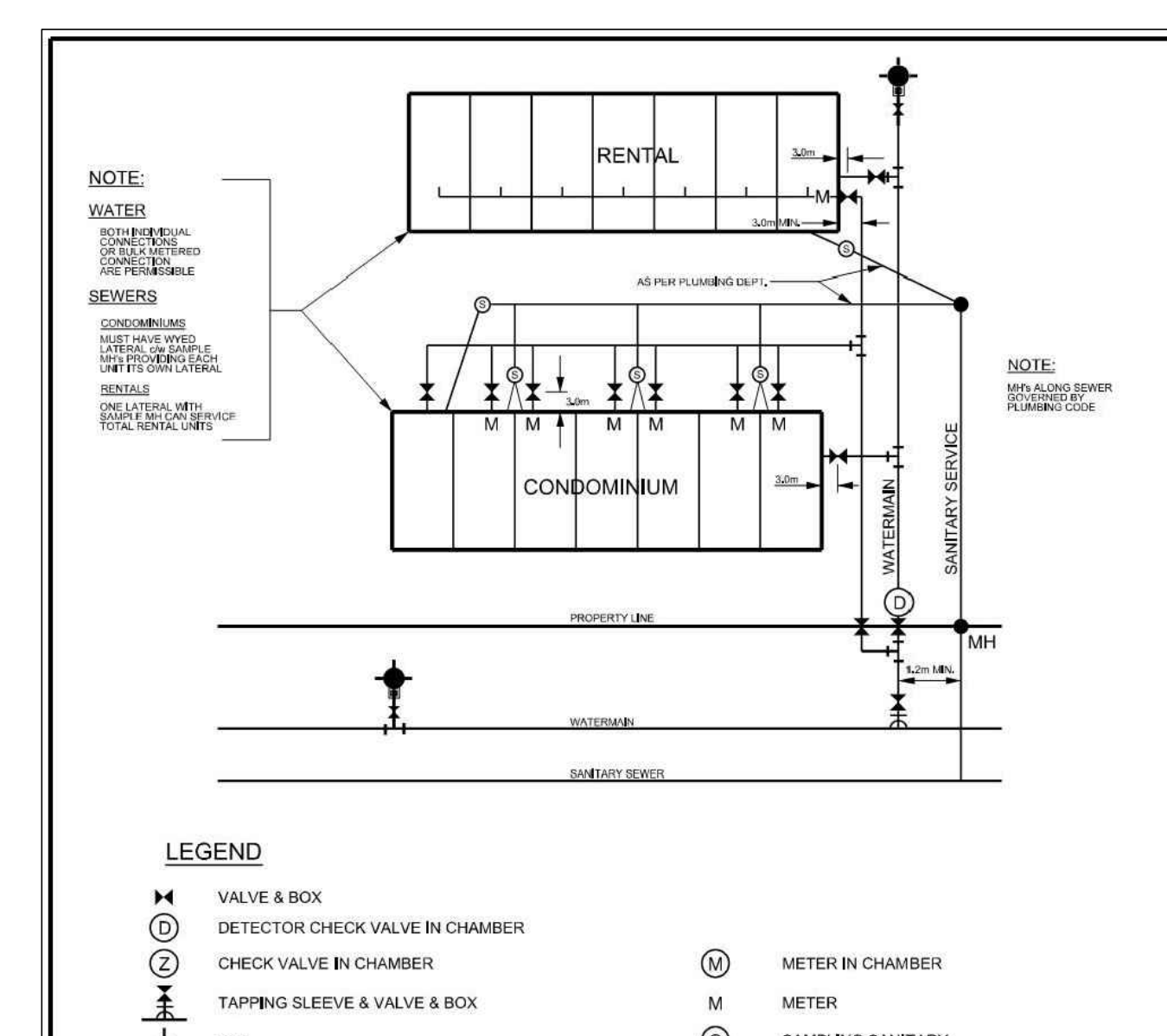
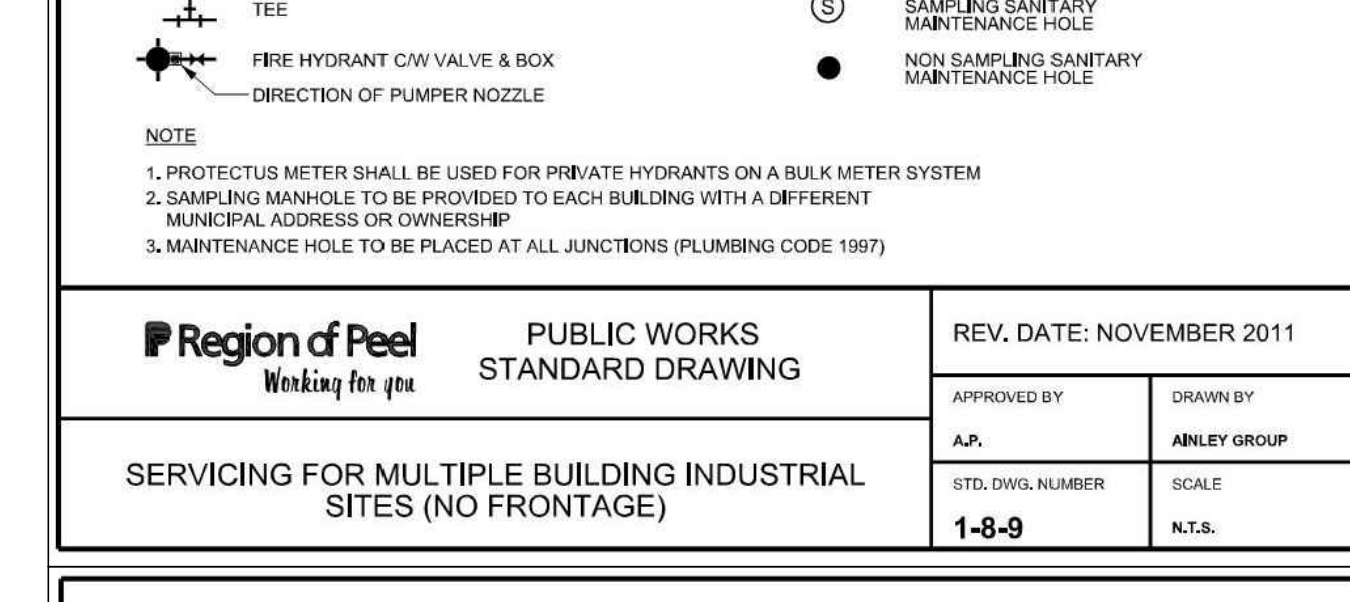


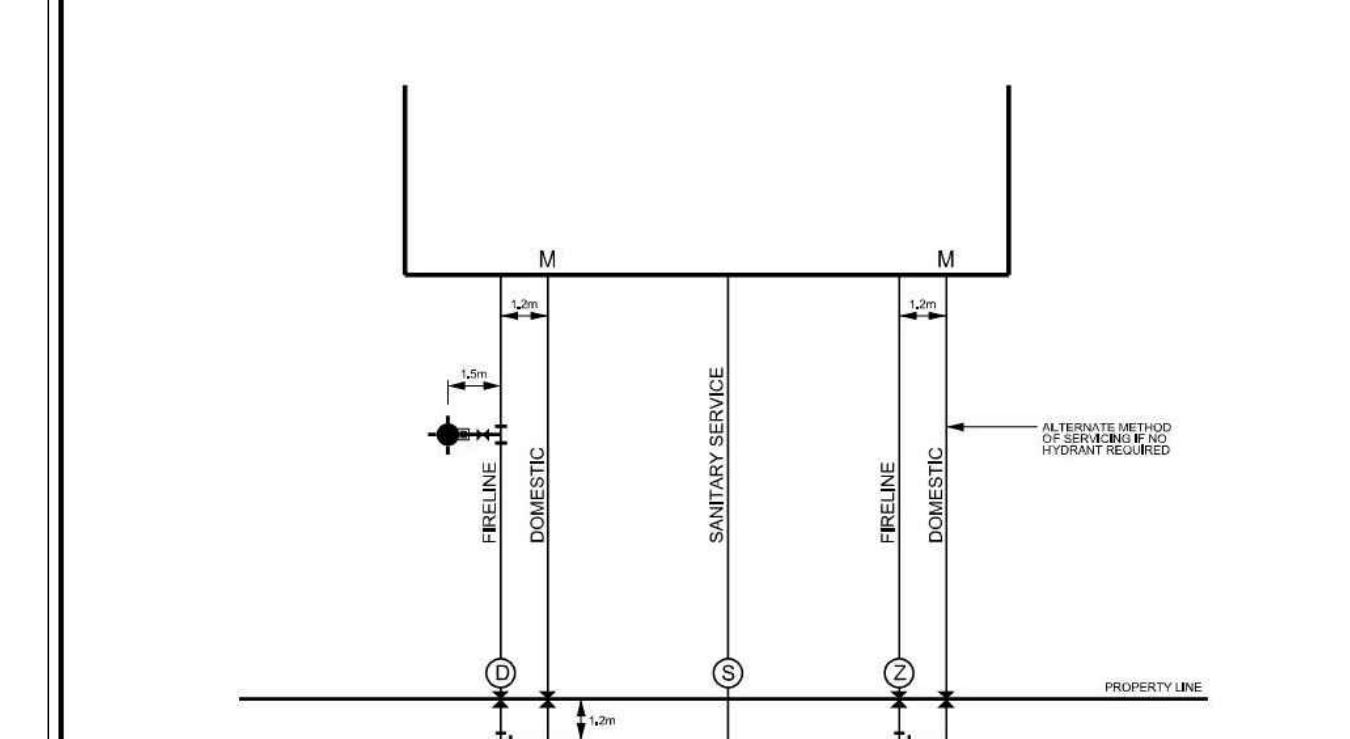
REGION OF PEEL NOTES:
 1. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
 2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING, EXPOSING, AND VERIFYING THE DEPTHS OF ALL EXISTING UTILITIES (UTILITY AND SEWER) LOCATED EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK AND RECORD SUCH ON THE PLAN OF WORK AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ONE (1) HOUR WITHIN NOTICE TO UTILITIES PRIOR TO PROCEEDING WITH UTILITIES FOR THE PURPOSE OF NOTIFICATION BY THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH NOTIFICATION.
 4. ALL PROPOSED WATER PIPING MUST BE INSTALLED THROUGH A TEMPORARY CONSTRUCTION TRENCH WHICH IS AN APPROVED CROSS-CROSSING POINT AT THE END OF THE CONSTRUCTION WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH NOTIFICATION.
 5. ALL PROPOSED WATER PIPING MUST BE INSTALLED THROUGH A TEMPORARY CONSTRUCTION TRENCH WHICH IS AN APPROVED CROSS-CROSSING POINT AT THE END OF THE CONSTRUCTION WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH NOTIFICATION.
WATERSHED NOTES:
 1. ALL WATER MAINS AND CONSTRUCTION METHODS MUST COMPLY WITH THE CURRENT REGION OF PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
 2. WATERSHED AND/OR WATER SERVICE MATERIALS AND LINES MUST BE 15% ABOVE THE AREA CIRCUMFERENCES. SIZE SHALL BE SMALLER TO COVER PIPE AS SET.
 3. WATERSHEDS AND/OR WATER SERVICES TO HAVE A MINIMUM COVER OF 1.2m. LINES TO BE INSTALLED AT 30mm ABOVE FINISHED GRADE AND ALL OTHER UTILITIES.
 4. CONSTRUCTION FOR PLUMBING WATER LINE FROM TO REMOVE ELEC. METERS BE PROTECTED WITH AT LEAST 30mm BUT NOT TO EXCEED 150mm. LARGER LINES TO BE PROTECTED WITH 100mm CONC. OR 150mm CONCRETE. THE SAME SHALL BE AT THE END THAT MUST ALSO BE PROTECTED ON PIPED TO ALLOW THE LINE TO BE OPENED UP FOR CLEANING AT 30mm OR 150mm. ALL PIPES (PLUMBING TO BE INSTALLED UNDER SEWER AND ALL OTHER UTILITIES WITH CROSSINGS) SHALL BE INSTALLED TO ALLOW PRESSURE TESTING AND COLOR-MARKING FROM EXISTING LINES IN ORDER TO AVOID PRESSURE TESTING AND COLOR-MARKING FROM EXISTING LINES.
 5. ALL EXISTING WATER MAINS AND OTHER UTILITIES SHALL BE INSTALLED TO BE INSTALLED THROUGH THE REGIONAL INSPECTOR ASSIGNED BY CONTACTING THE OPERATIONS & MAINTENANCE DIVISION.



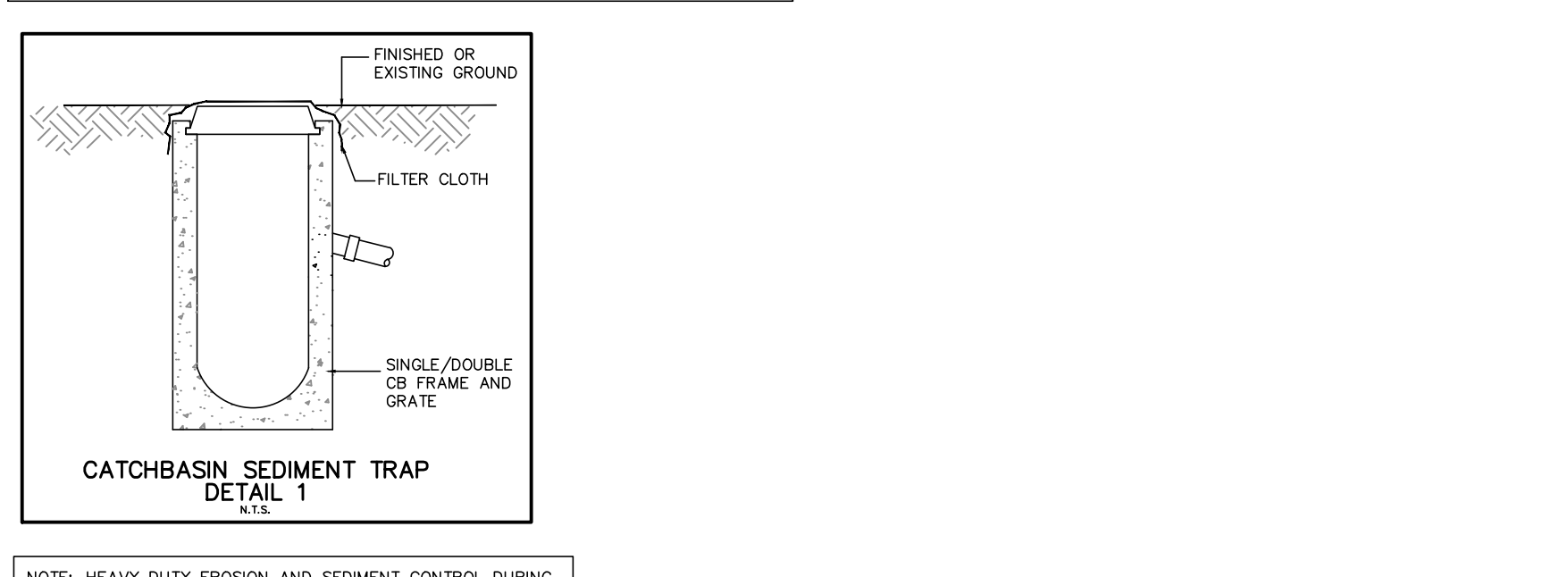
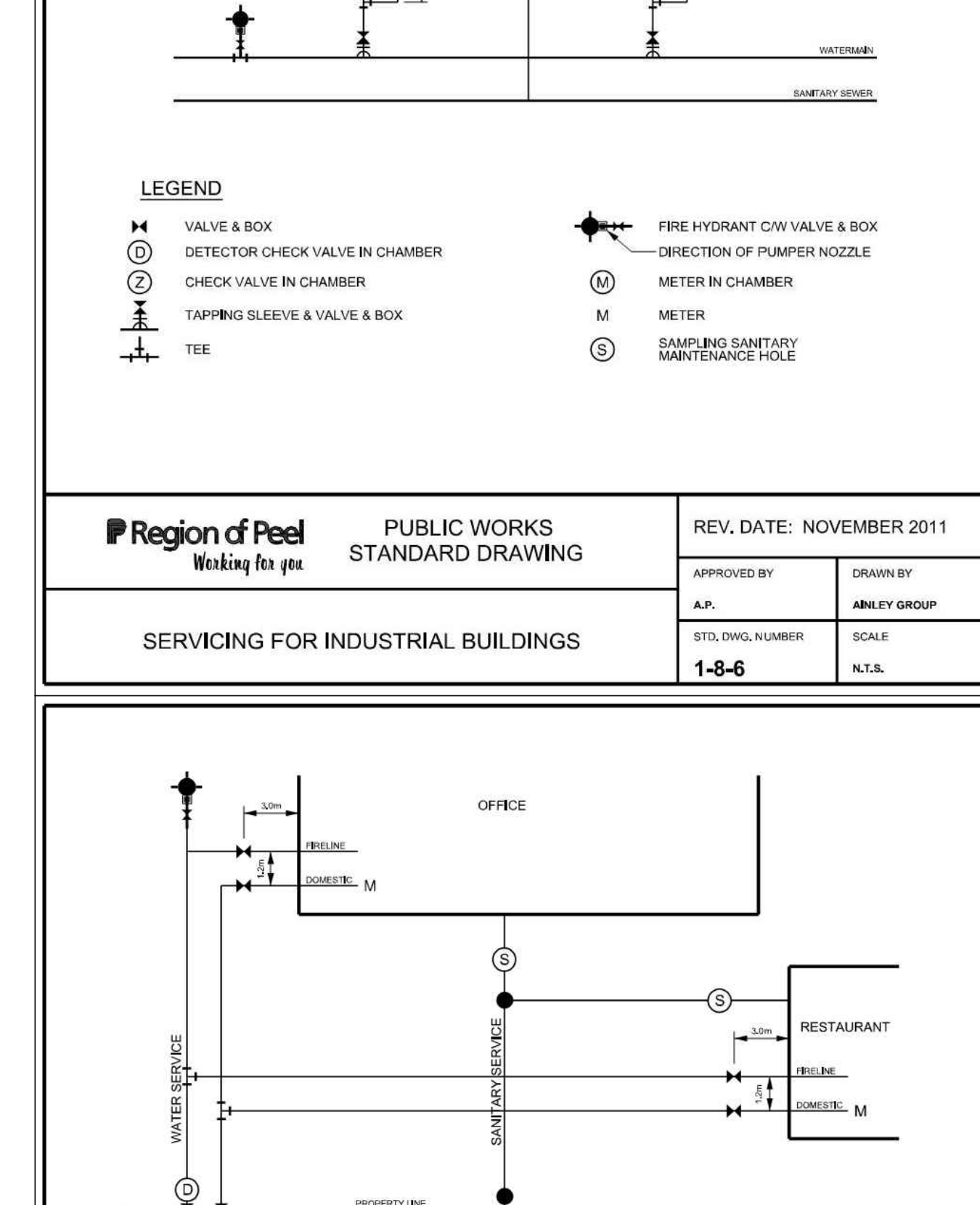
REGION OF PEEL - BIDDING/TENDERING NOTES:
 1. WHEN INSTALLING WATERMAIN OR SANITARY SEWER WITH STEEL LINERS, THE FOLLOWING SHALL APPLY:
 1. ALL CASING SPACERS ARE TO BE MADE OF T-304 STAINLESS STEEL.
 2. SPACING SURFACES (RINGS) SHALL BE WITH HIGH MOLECULAR WEIGHT POLYMER OR EQUIVALENT.
 3. POSITIONING OF SPACERS ALONG THE WATERMAIN IS TO BE AS PER THE MANUFACTURER'S SPECIFICATIONS.
 4. POSITION OF PIPE WITHIN LINE IS TO BE MAINTAINED BETWEEN THE CASING PIPE AND THE OUTSIDE CASING PIPE.
 5. THE WATERMAIN SHALL BE RESTRAINED LATERALLY FOR THE ENTIRE LENGTH OF THE LINE AND BEHIND WHEN STATED ON THE CONTRACT DRAWINGS.
 6. LATERAL BRANCHES SHALL BE MADE WITH A MINIMUM CLEARANCE OF 25mm OVER AND 30mm UNDER SEWER AND ALL OTHER UTILITIES WITH CROSSINGS.
 7. ALL PROPOSED WATER PIPING MUST BE INSTALLED THROUGH EXISTING LINES IN ORDER TO AVOID PRESSURE TESTING AND COLOR-MARKING FROM EXISTING LINES.
 8. ALL EXISTING WATER MAINS AND OTHER UTILITIES SHALL BE INSTALLED TO BE INSTALLED THROUGH THE REGIONAL INSPECTOR ASSIGNED BY CONTACTING THE OPERATIONS & MAINTENANCE DIVISION.
WHERE THE CONTRACT PROJECT MANAGER OR DESIGNER SPECIFIES SUPPLY MATERIALS TO THE WATERMAIN PIPE FROM THE CASING AND SHEET PILE SHALL BE INSTALLED TO BE INSTALLED THROUGH THE REGIONAL INSPECTOR ASSIGNED BY CONTACTING THE OPERATIONS & MAINTENANCE DIVISION.



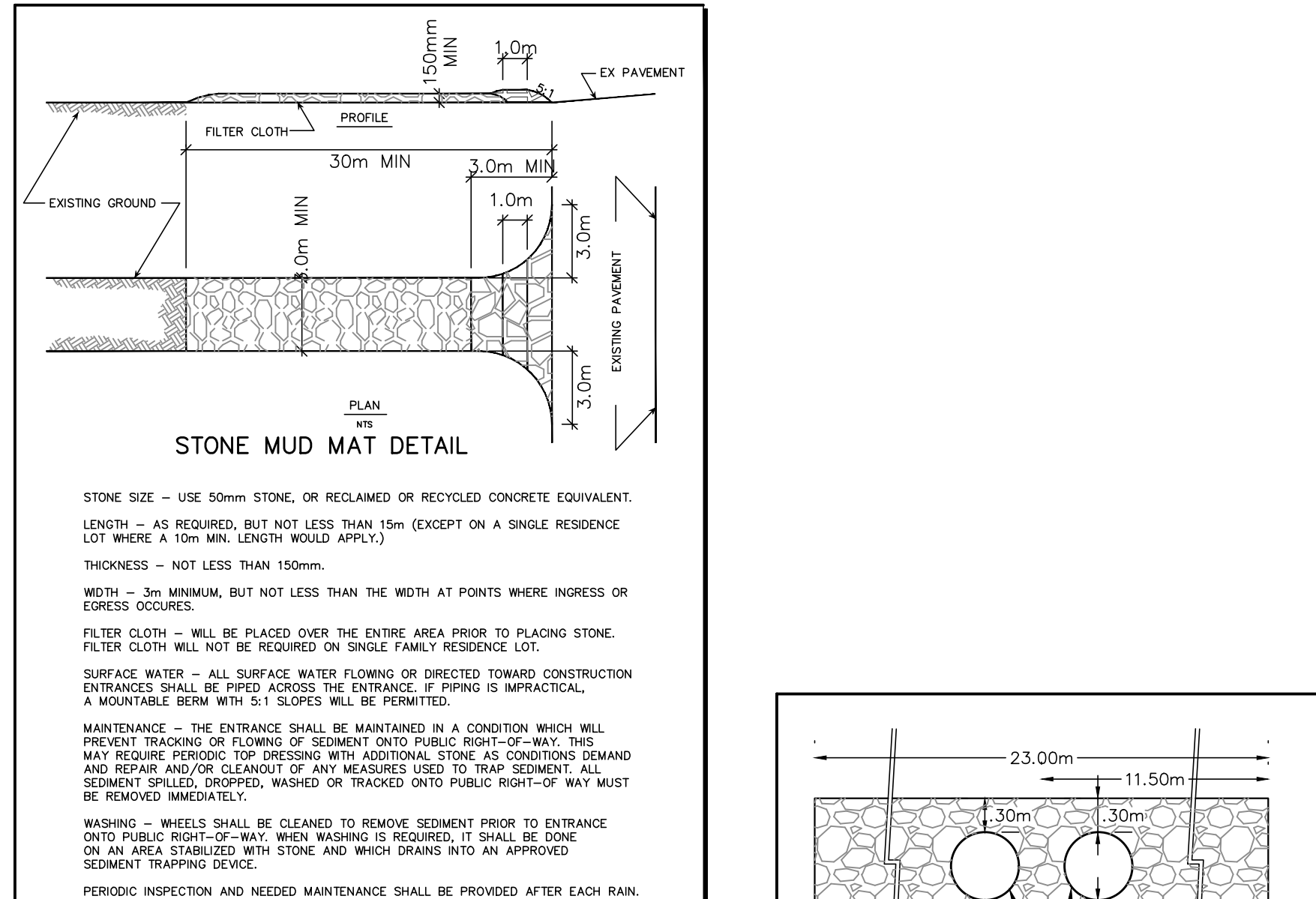
SEDIMENT & EROSION CONTROL NOTES:
 1. INSTALL ALL SEDIMENT & EROSION CONTROL MEASURES PRIOR TO ANY BREAK-GROUND OF THE WORK. CONSTRUCTION OF SEDIMENT TRAP AND INTERCEPTOR SHALL BE INSTALLED AS PER THE TOWN OF CALEDON. PUBLIC WORKS DEPARTMENT AND THE DESIGN PROFESSIONAL STANDARDS AND SPECIFICATIONS.
 2. SEDIMENT TRAP SHALL BE INSTALLED TO BE INSTALLED AS PER THE TOWN OF CALEDON. PUBLIC WORKS DEPARTMENT AND THE DESIGN PROFESSIONAL STANDARDS AND SPECIFICATIONS.
 3. TEMPORARY SEDIMENT BASIN TO BE INSTALLED AT 50mm ABOVE FINISHED GRADE AND SHALL BE INSTALLED AS PER THE TOWN OF CALEDON. PUBLIC WORKS DEPARTMENT AND THE DESIGN PROFESSIONAL STANDARDS AND SPECIFICATIONS.
 4. COMPLETE FREQUENT INSPECTIONS OF SEDIMENT AND EROSION CONTROL THROUGHOUT CONSTRUCTION PROCESS AND REPAIR/REPLACE AS REQUIRED UNTIL CONSTRUCTION IS COMPLETE.
TRUCK SEDIMENT & EROSION CONTROL NOTES:
 1. The erosion and sediment control strategies outlined on the plans are not static and may need to be adjusted/modified as the conditions change to maintain sediment loss runoff from leaving the work areas. If the prescribed measures do not appear to be effective in reducing the rate of sedimentation, additional measures shall be implemented immediately. The contractor shall be responsible for the installation of the measures to reduce potential sedimentation. The contractor shall be responsible for the installation of the measures to reduce potential sedimentation. The contractor shall be responsible for the installation of the measures to reduce potential sedimentation.
 2. At all activities including maintenance operations, all be controlled to prevent the entry of petroleum products, solvents, nitrates, caustics or other deleterious substances into the water. Sedimentation and maintenance shall be conducted a minimum of 30 m from the watercourse.



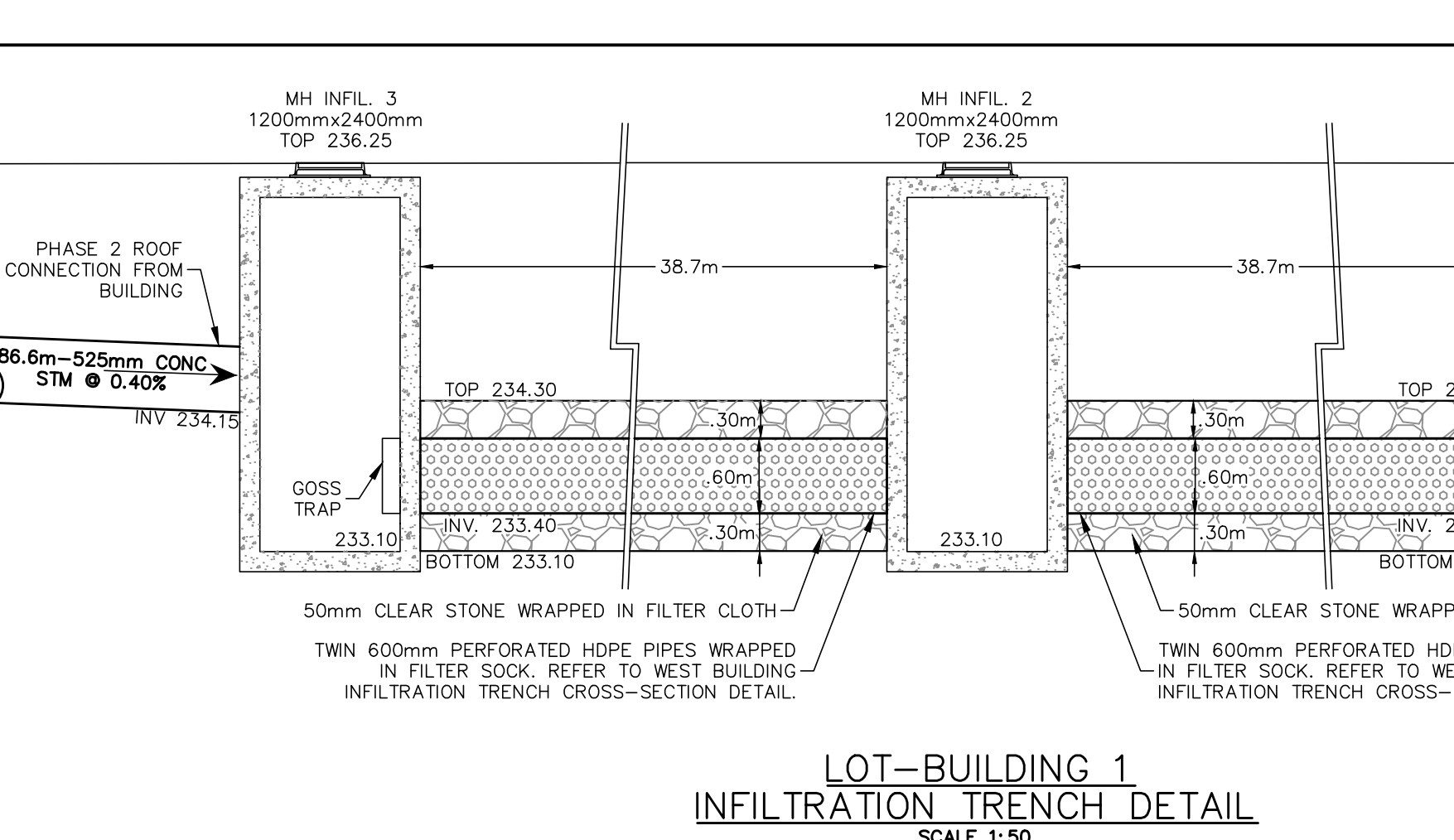
Grading and Drainage Notes:
 The following notes shall appear on the Grading and Drainage Plan(s).
 1. All proposed construction shall be carried out in accordance with the requirements of the Occupational Health and Safety Act and Regulations for construction projects.
 2. Within a minimum of forty-eight hours prior to commencing construction when the municipal right-of-way, the contractor must contact the following:
 The Town of Caledon Public Works Department 905-884-2272
 The Region of Peel 905-791-7800
 Emergency Contact Only 905-706-7924
 Highway One 916-941-1211
 Peel Corridor 416-226-1129
 Rogers Cable 905-897-3941
 4. All drainage to be self-contained and discharged to a location approved by the Public Health and Engineering Department.
 5. Sediment control devices are to be installed prior to any construction on the site and shall be inspected and maintained throughout the construction period to the satisfaction of the Town of Caledon and the appropriate Conservation Authority.
 6. A minimum of 1.0m clearance is to be provided from the limits of all sidewalks and adjacent to existing utility structures with the municipal right-of-way if the structures are not maintained, the structures shall be relocated at the applicant's expense.
 7. Street curbs are to be continuous within the proposed entrance.
 8. Multiple sidewalks shall be continuous through all entrances to the site and the curb shall be tapered back 600 mm. Sidewalks shall be completely removed and replaced with a 200 mm minimum concrete thickness. 300 mm and set to 75% of environment of all proposed industrial, commercial and institutional entrances.
 9. Any changes to grades or servicing from the original approved site plan must be approved by the Town of Caledon Public Works Department.
 10. Structural design of the fire route is required to support an 18-ton vehicle at each the driveway to its area areas of heavy asphalt and light asphalt on a 15 to provide design information.
 11. All sidewalks to be restored with 150mm minimum of topsoil and top to the satisfaction of the Town of Caledon Public Works Department.
 11. The minimum pavement detail for the asphalt driveway apart within the municipal road allowance shall be as follows:
 40mm H13 Asphalt
 100mm H18 Asphalt
 150mm Granular A
 100mm Granular B
 The contractor should review the above with respect to the expected usage.
 12. Service Connection Backfill to be discussed with the Town of Caledon



EROSION AND SEDIMENT CONTROLS ARE TO BE INSPECTED WEEKLY AND AFTER ANY RAIN/SNOWMELT EVENT AND REPAIRS WILL BE CARRIED OUT WITHIN 48 HOURS.
DAYLIGHTING IS REQUIRED FOR ALL UTILITY CROSSINGS PRIOR TO AND DURING CONSTRUCTION AND UNDER REGION OF PEEL INSPECTION SUPERVISION.

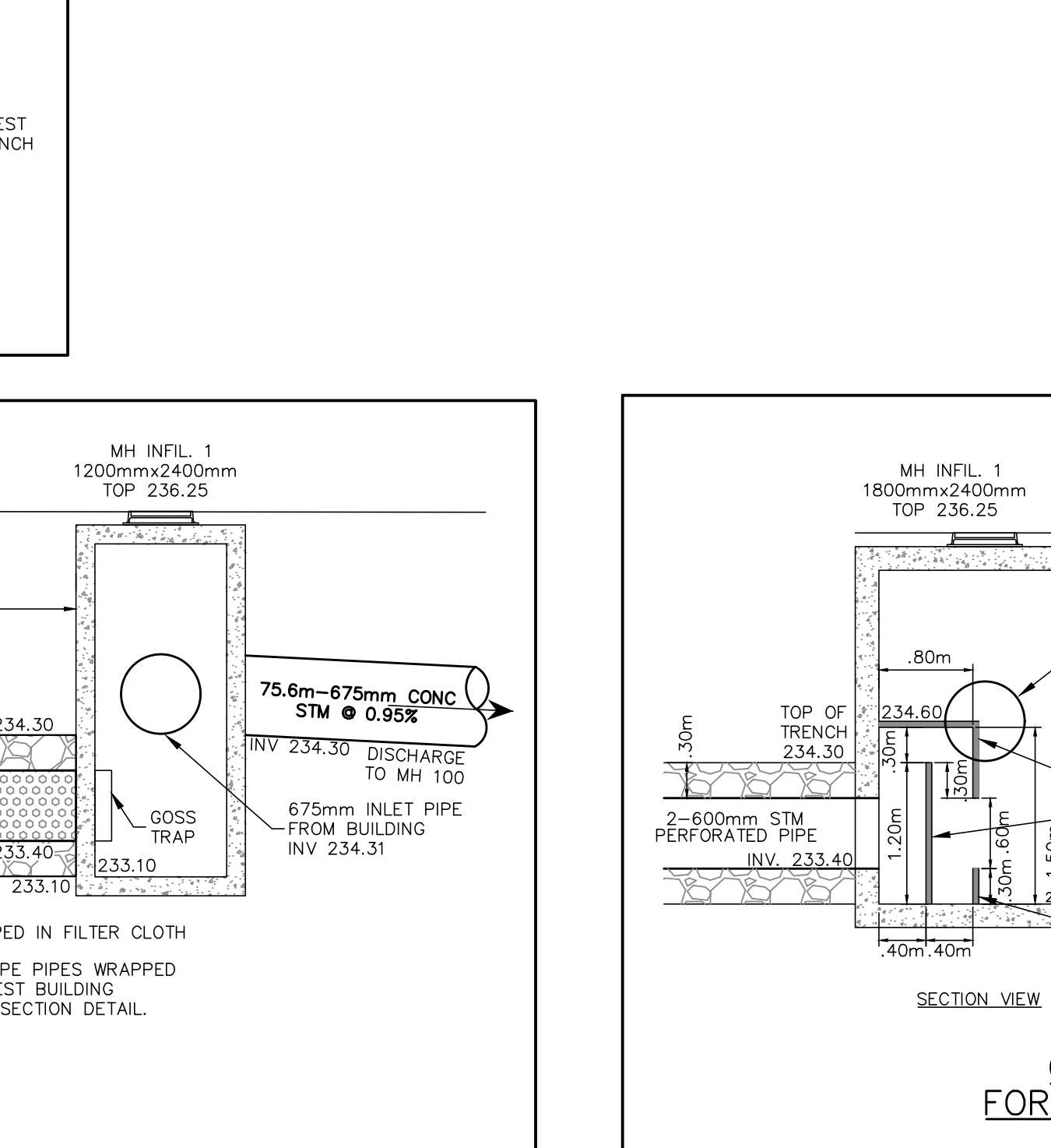
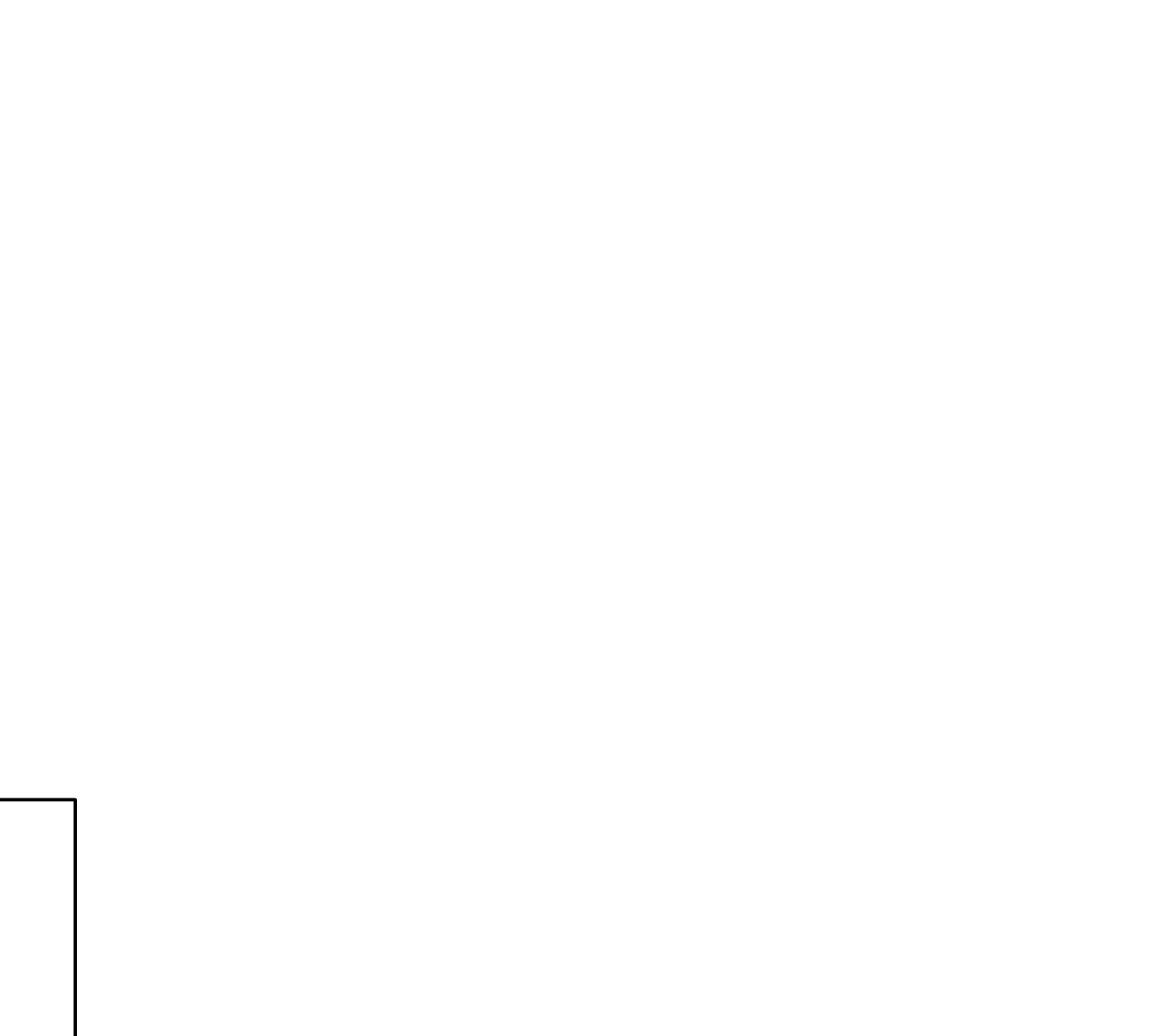
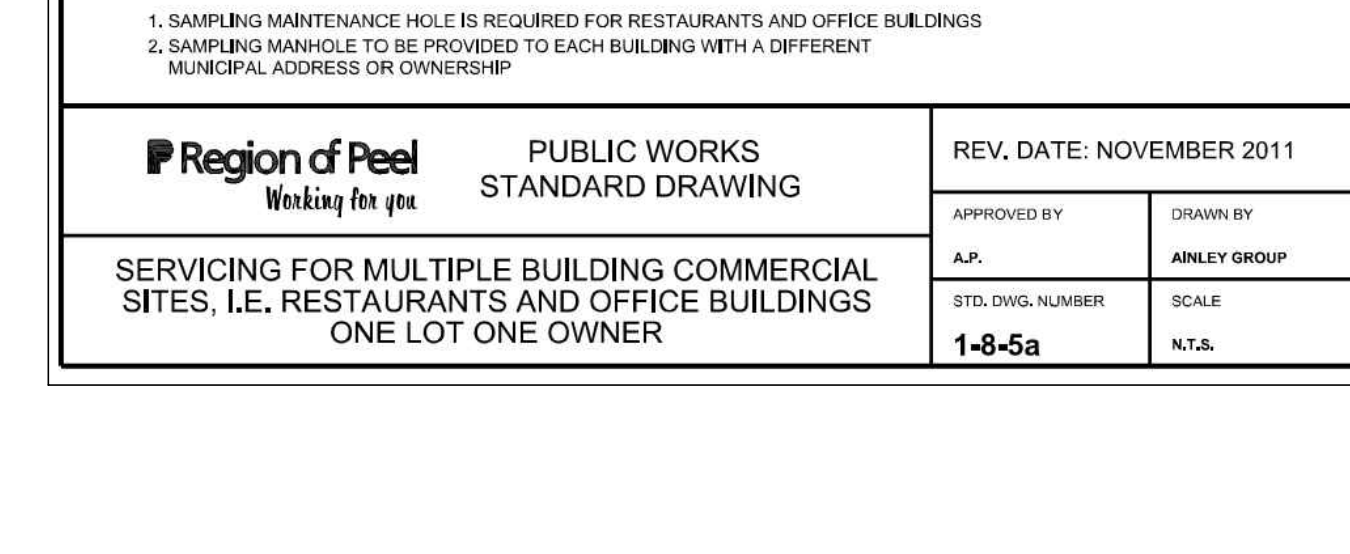
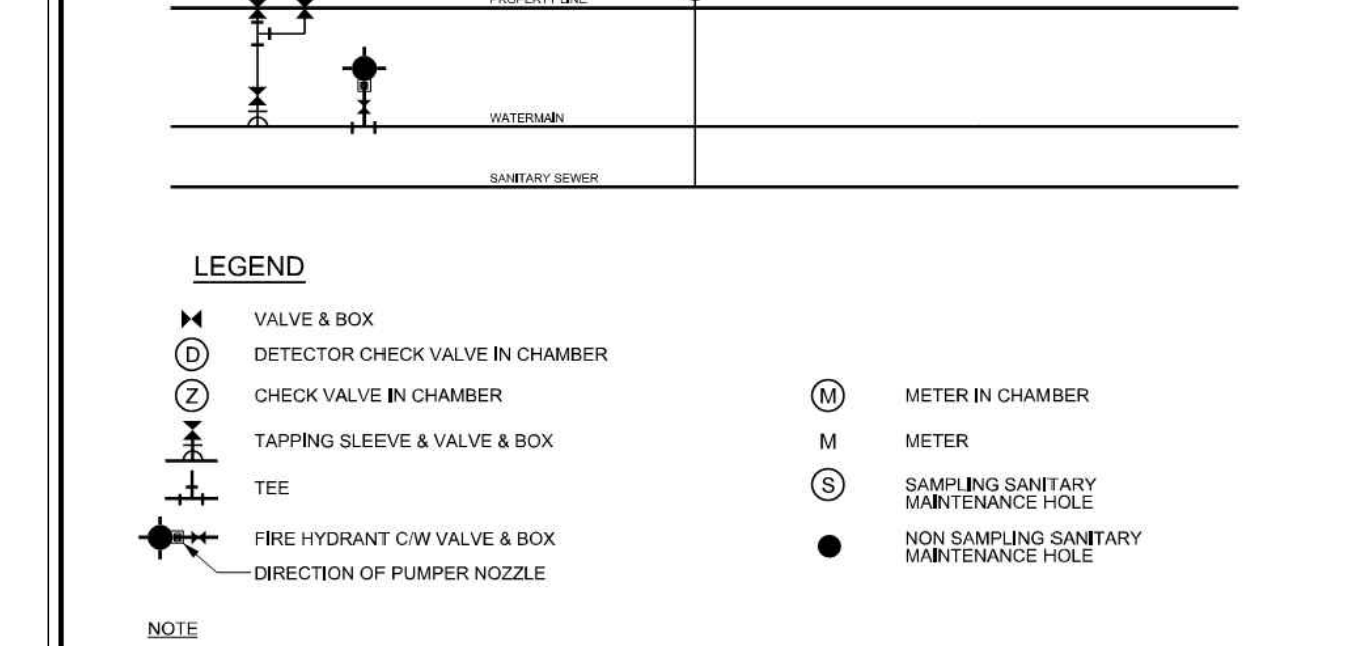


SERVICING NOTES:
 - ALL SERVICE CROSSINGS SHALL COMPLY WITH THE ARTICLE 7.3.5.7 OF O.B.C.
 - PROVIDE THURST STRAP FOR WATER SERVICE PIPE 4 INCH OR LARGER AT EACH CHANGE OF DIRECTION AND AT ALL TEES, PLUGS, CAPS AND BENDS OR REQUIRED IN ARTICLE 7.3.4.9 OF THE O.B.C.



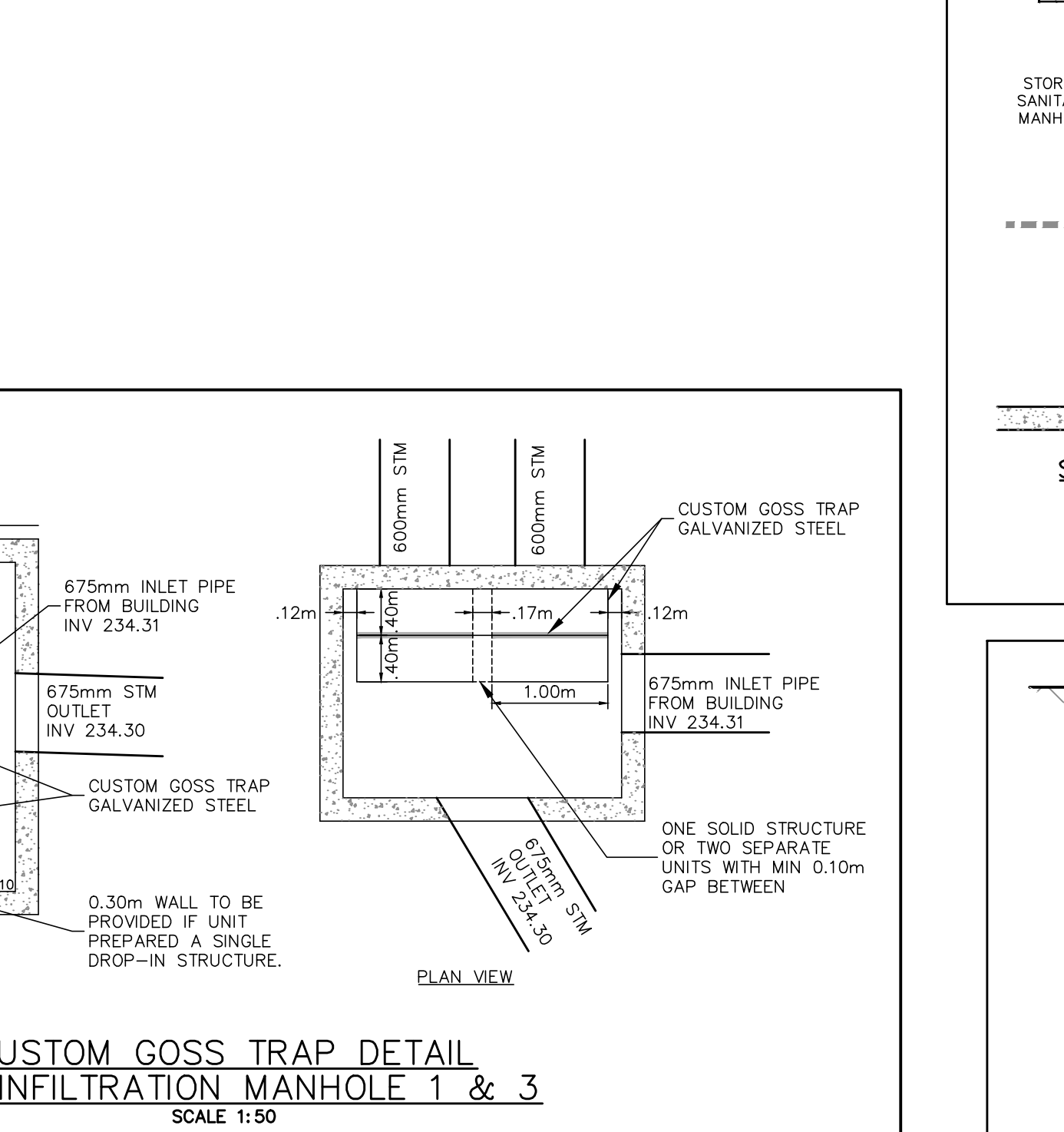
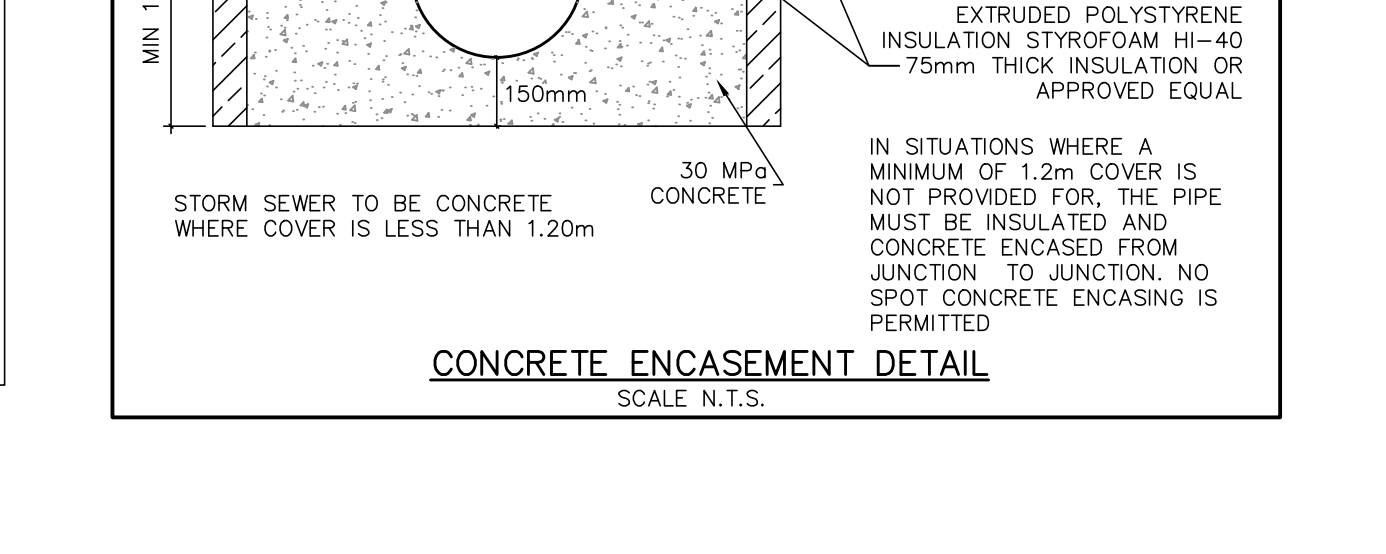
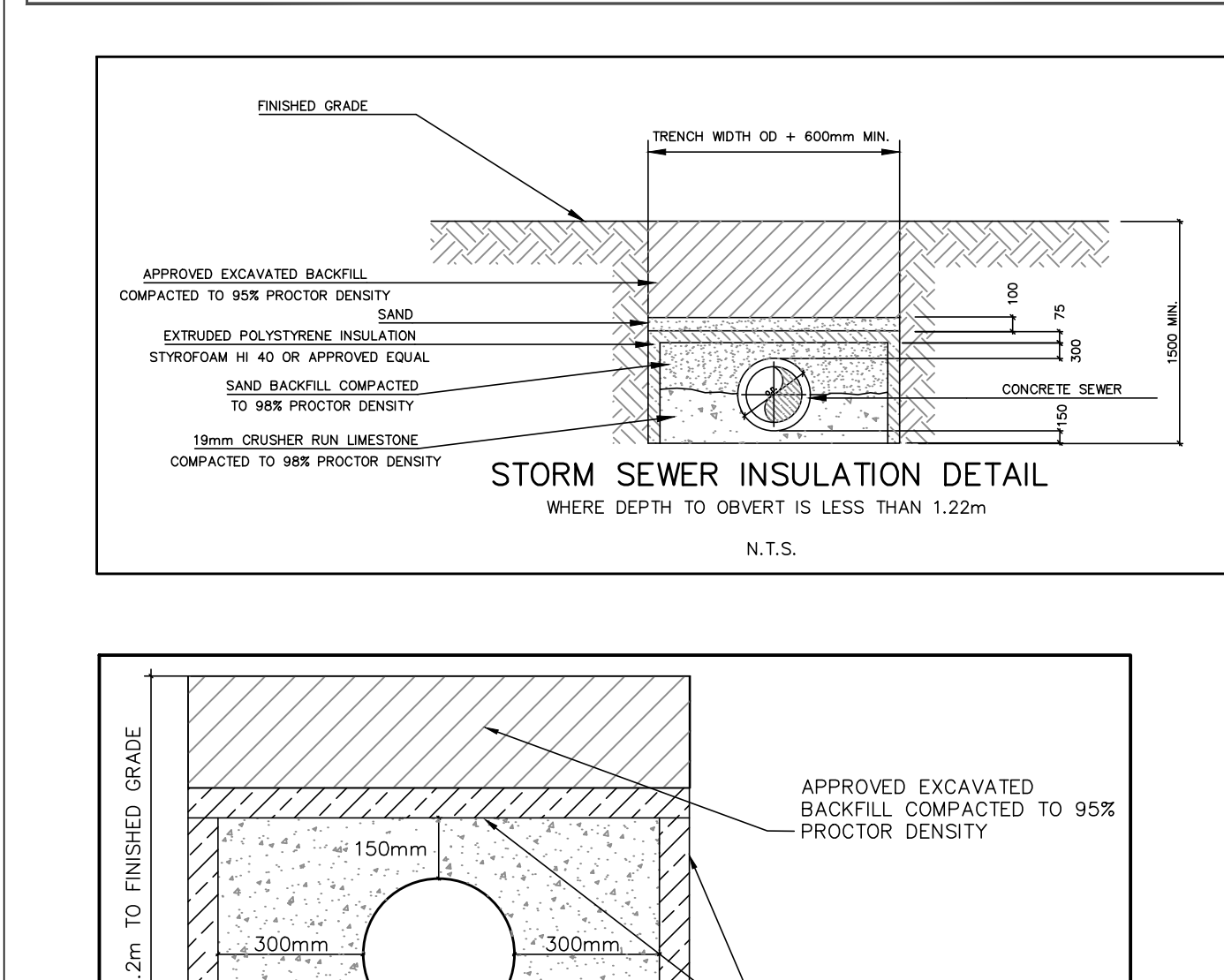
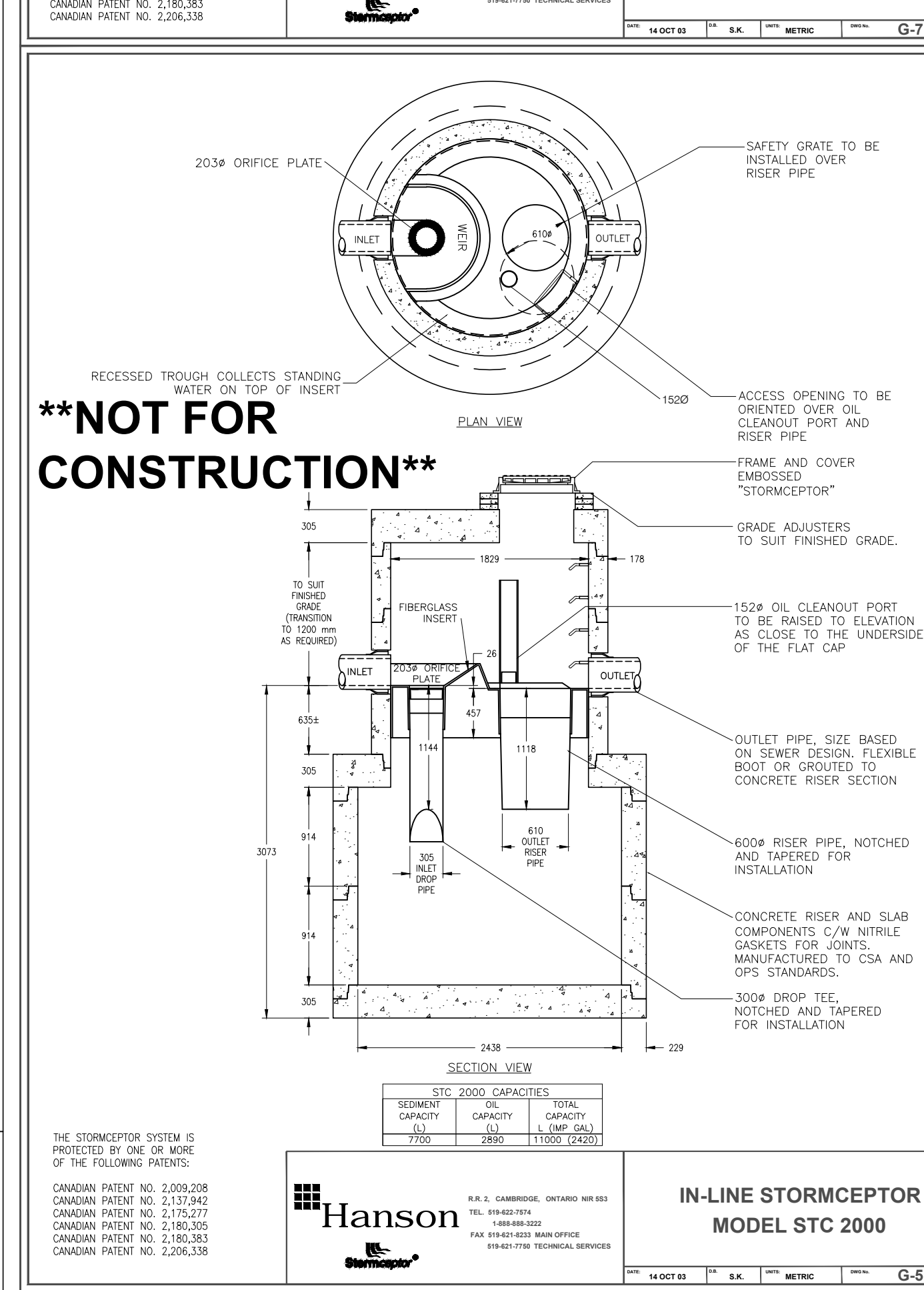
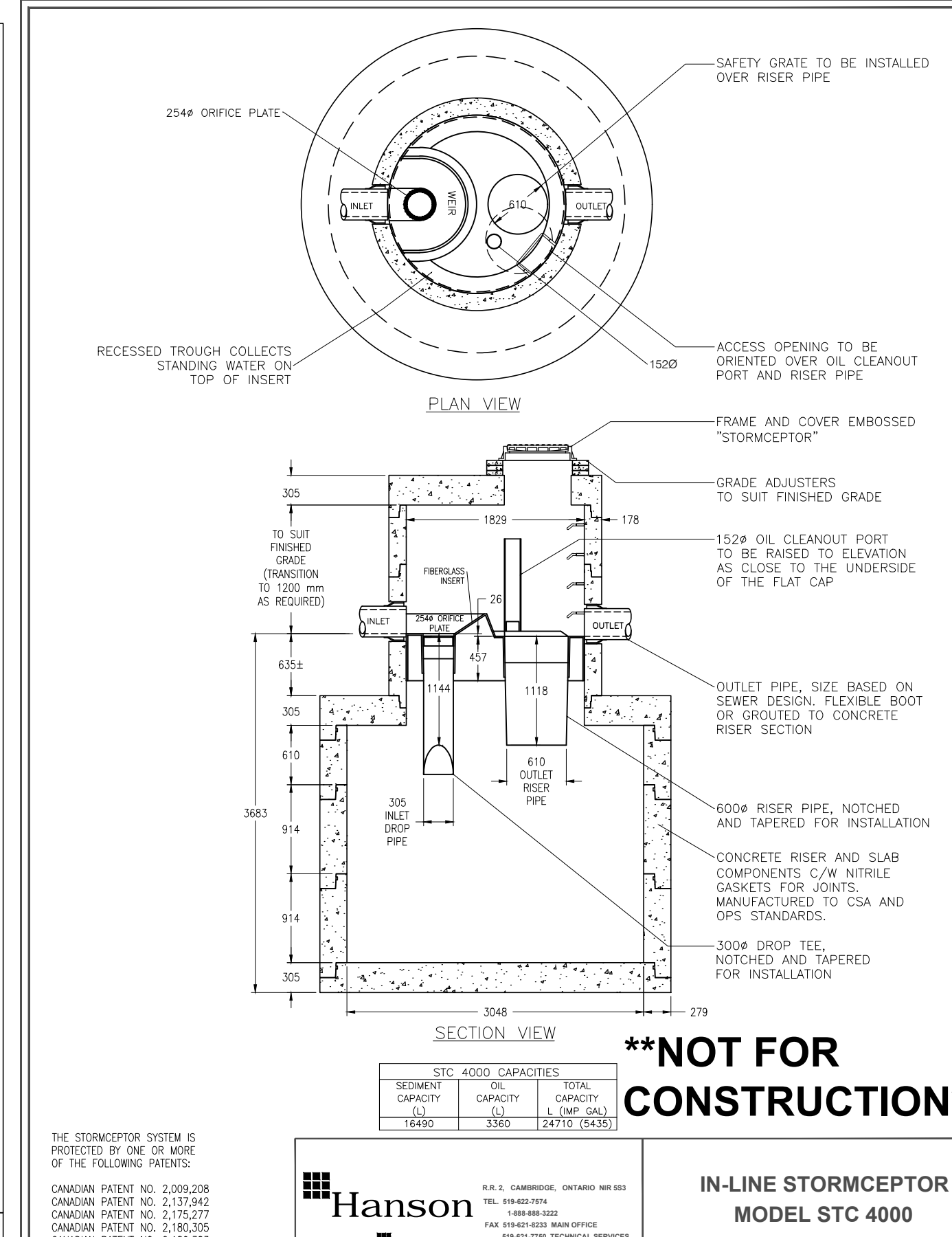
CONSTRUCTION DETAILS & NOTES

DATE	REVISIONS	REMARKS
2017-10-04	SUBMISSION	
2018-03-22	ISSUED TO TOWN OF CALEDON FOR SPA	
2018-10-02	ISSUED TO TOWN OF SPA	
2018-10-26	ISSUED FOR PERMIT	
2019-01-21	REV SITE PLAN, TOWN/REGION COMMENTS	
2019-04-02	ISSUED TO TOWN OF CALEDON	
2019-08-14	ISSUED FOR VARIANCE	
2019-08-14	REV STORM CONNECTION ADDED	
2020-06-15	REV SITE PLAN BLDG 1 RETAINING WALL	



CONSTRUCTION DETAILS & NOTES

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CONSTRUCTION DETAILS & NOTES

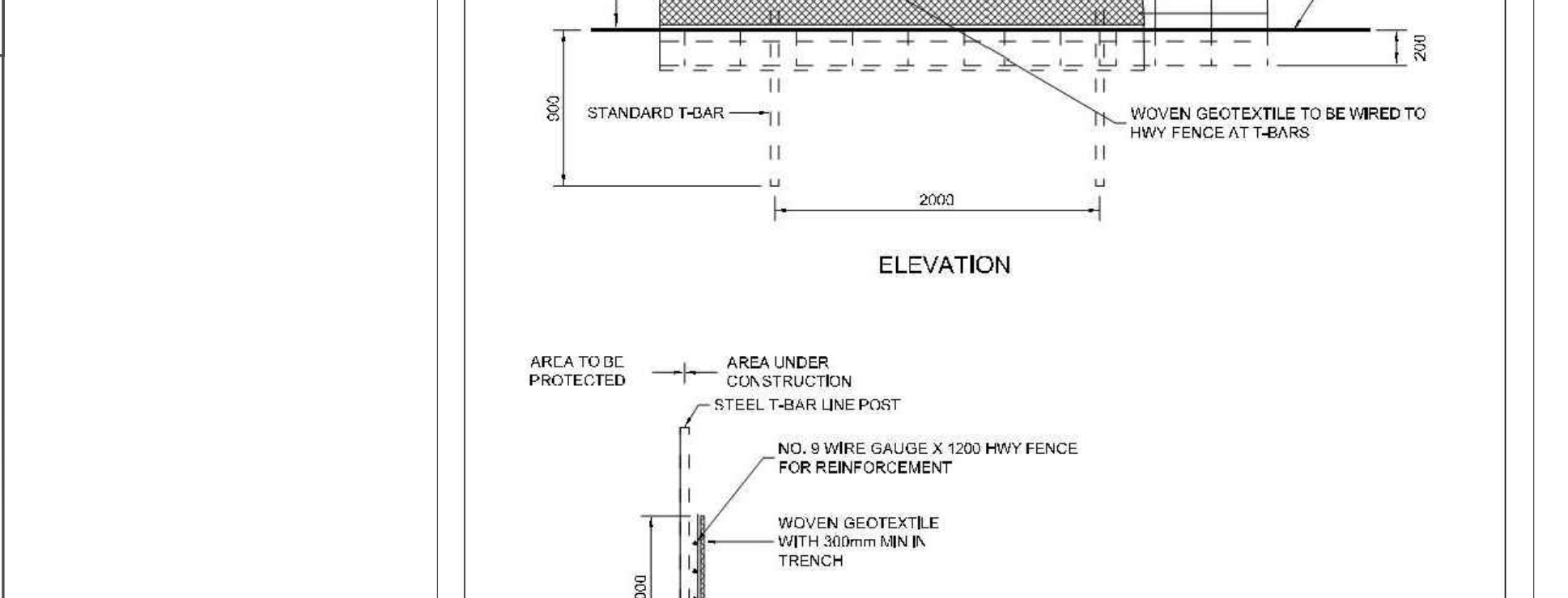
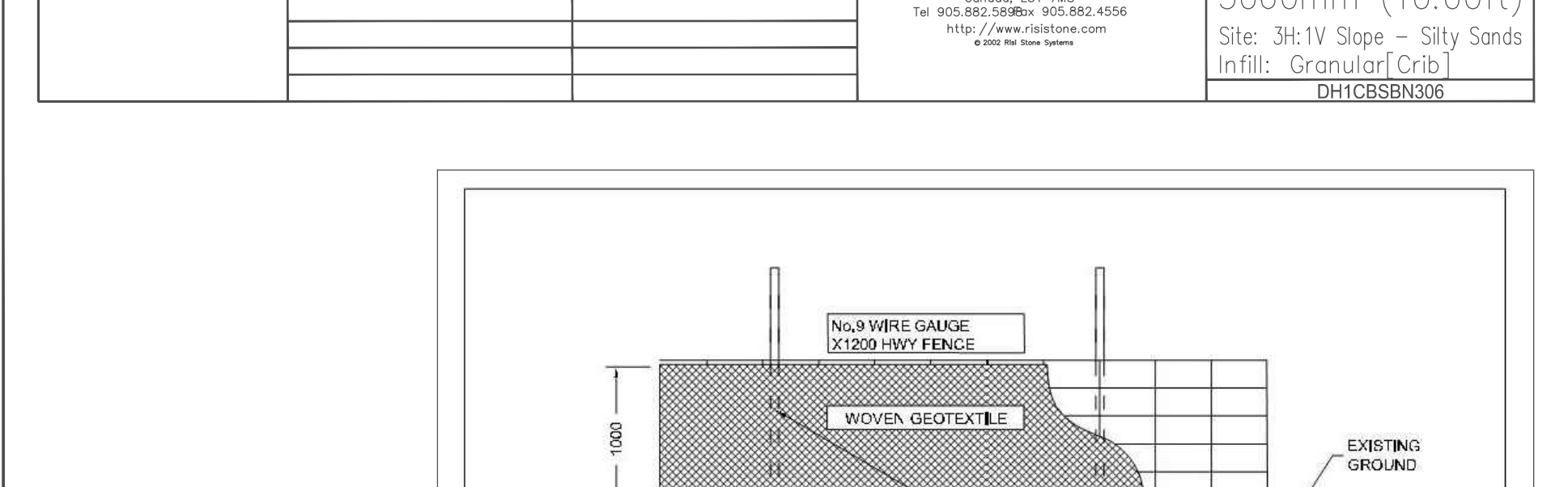
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Design Specific Geometric Information

Grading Material	DURA-HOLD Crb	Strength Class	N/A
Minimum Layer	3060 (120)	Color	Single Crb
Minimum Spacing	1.0m (3.94)	Minimum Crb	None
Minimum Thickness	None	Minimum Top Layer	3060 (120)
Minimum Width	712	Minimum Depth	305 (12)

Design Specific Soil Information

Soil Region	Infill	Retention	Foundation	Base	Drainage
Soil 1	SM	SM	SM	SM	see in fill
Soil 2	CL	CL	CL	CL	NR
Soil 3	ML	ML	ML	ML	NR
Soil 4	CL	CL	CL	CL	NR
Soil 5	ML	ML	ML	ML	NR
Soil 6	CL	CL	CL	CL	NR
Soil 7	ML	ML	ML	ML	NR
Soil 8	CL	CL	CL	CL	NR
Soil 9	ML	ML	ML	ML	NR
Soil 10	CL	CL	CL	CL	NR

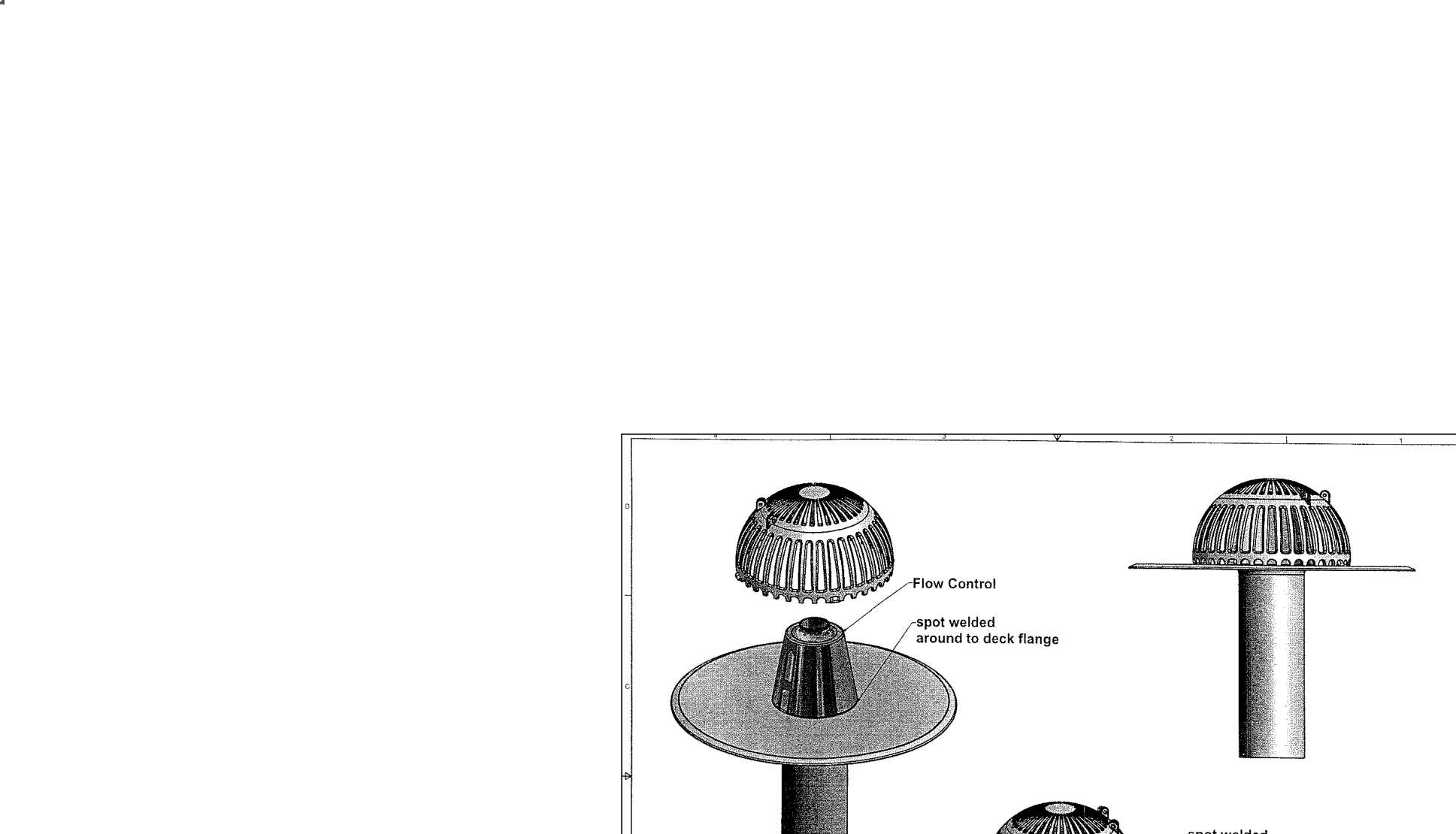


TOWN OF CALEDON

NO.	REVISION	APPROVED	DATE
1	NAME CHANGED TO STANDARD NO. 304	J.M.	JUN 03
2	SUPPLY FINISHES CHANGED TO HWY FINISH	J.M.	JUN 03

SEDIMENT CONTROL FENCE

DESIGNED BY: J.M. CHECKED BY: J.M.
 DRAWN BY: J.M. SCALE: N.T.S.

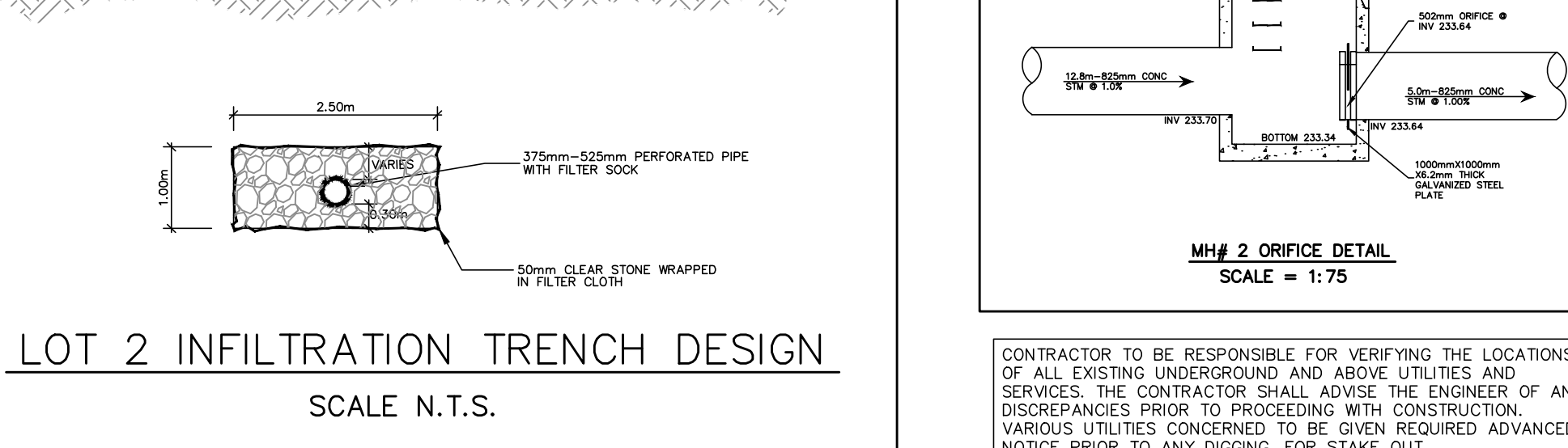
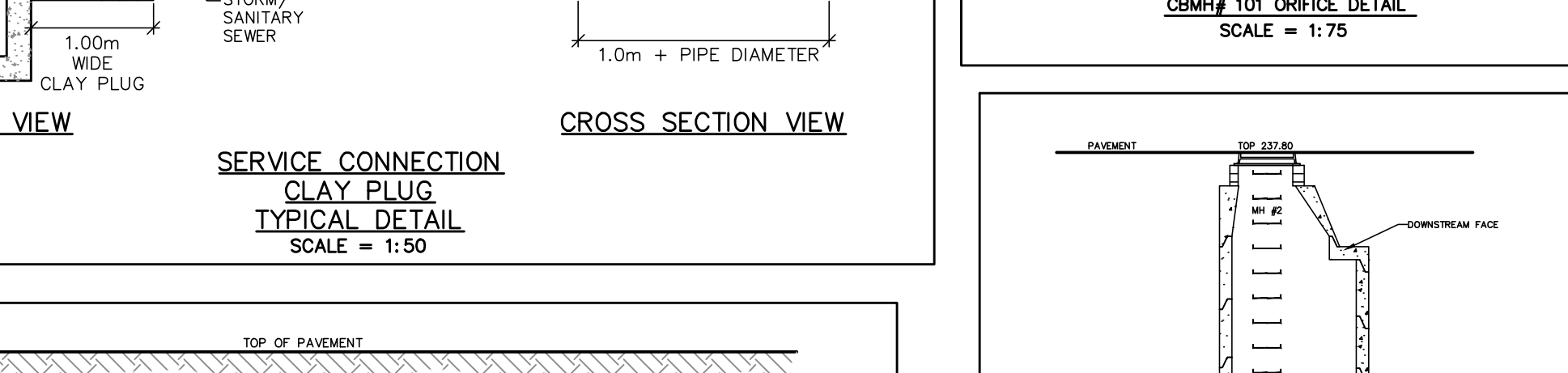
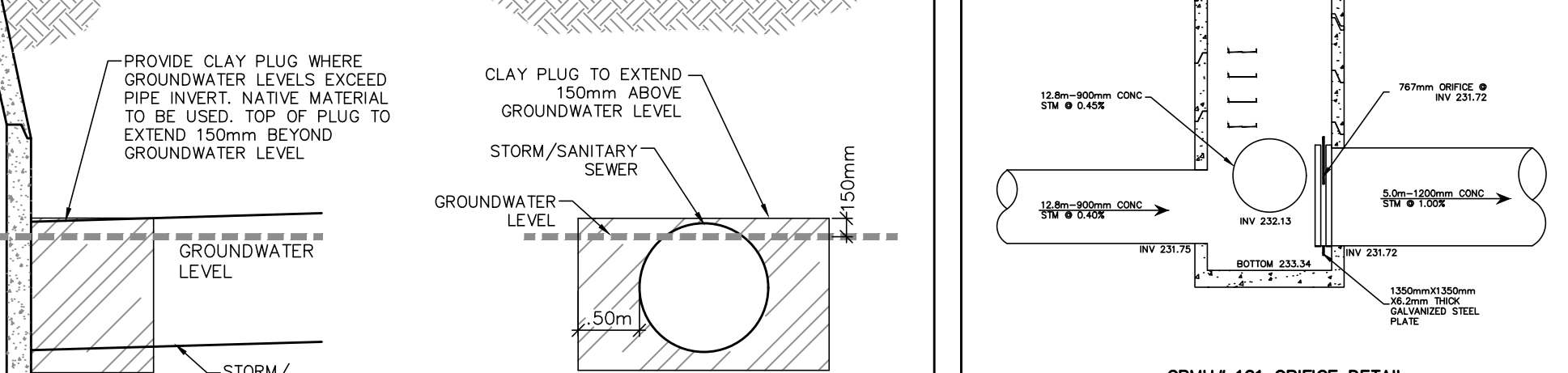


Infiltration & Goss Trap Maintenance Schedule
 Semi-annual inspection

- Check observation (MH1) manhole following 3 days of dry weather. Failure to percolate within this time period indicates clogging.
- Check goss trap for obstructions.
- Observe sediment accumulation within perforate pipes.
- Power flush perforated pipes separately by temporarily plugging adjacent perforate pipe and vacuum in direction of observation manhole. Vacuum any accumulated sediment from observation manhole (MH1).

Note: Heavy Duty erosion and sediment control during all phases of the development shall reflect the latest Town of Caledon, Conservation Authority and MOE Standards.

Sediment control devices are to be installed prior to any construction on the site and shall be inspected and maintained throughout the construction period to the satisfaction of the Town and the applicable conservation authority.



CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE-GROUND UTILITIES AND SERVICES. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY CHANGES PRIOR TO PROCEEDING WITH CONSTRUCTION. VARIOUS UTILITIES COVERED TO BE GIVEN REQUIRED ADVANCED NOTICE PRIOR TO ANY CONSTRUCTION FOR STAKE OUT.

A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

A.M. CANDARAS ASSOCIATES INC.
 180 Bass pro mills drive unit 103
 vaughan, ontario, L4K 5W4
 p 905.760.1221
 f 905.248.1344
 a business name of WMA INC.