OWN OF CALEDON PLANNING

REGION OF PEEL NOTES:

LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE 2. 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.

WATER

SEWERS CONDOMINIUMS

MUST HAVE WYED LATERAL OW SAMPLE MH'S PROVIDING EACH UNIT ITS OWN LATERAL

ONE LATERAL WITH SAMPLE MH CAN SERVICE TOTAL RENTAL UNITS

LEGEND

VALVE & BOX

(D) DETECTOR CHECK VALVE IN CHAMBER

TAPPING SLEEVE & VALVE & BOX

CHECK VALVE IN CHAMBER

← FIRE HYDRANT C/W VALVE & BOX

DIRECTION OF PUMPER NOZZLE

MUNICIPAL ADDRESS OR OWNERSHIP

Working for you

Region of Peel

VALVE & BOX

Region of Peel

LEGEND

✓ VALVE & BOX

DETECTOR CHECK VALVE IN CHAMBER

1. SAMPLING MAINTENANCE HOLE IS REQUIRED FOR RESTAURANTS AND OFFICE BUILDINGS

PUBLIC WORKS

STANDARD DRAWING

2, SAMPLING MANHOLE TO BE PROVIDED TO EACH BUILDING WITH A DIFFERENT

SERVICING FOR MULTIPLE BUILDING COMMERCIAL

SITES, I.E. RESTAURANTS AND OFFICE BUILDINGS

ONE LOT ONE OWNER

TAPPING SLEEVE & VALVE & BOX

CHECK VALVE IN CHAMBER

FIRE HYDRANT C/W VALVE & BOX DIRECTION OF PUMPER NOZZLE

MUNICIPAL ADDRESS OR OWNERSHIP

Region of Peel

D DETECTOR CHECK VALVE IN CHAMBER

TAPPING SLEEVE & VALVE & BOX

PUBLIC WORKS

STANDARD DRAWING

OFFICE

SERVICING FOR INDUSTRIAL BUILDINGS

DOMESTIC M

CHECK VALVE IN CHAMBER

1. PROTECTUS METER SHALL BE USED FOR PRIVATE HYDRANTS ON A BULK METER SYSTEM

PUBLIC WORKS

STANDARD DRAWING

2. SAMPLING MANHOLE TO BE PROVIDED TO EACH BUILDING WITH A DIFFERENT

3. MAINTENANCE HOLE TO BE PLACED AT ALL JUNCTIONS (PLUMBING CODE 1997)

SERVICING FOR MULTIPLE BUILDING INDUSTRIAL

SITES (NO FRONTAGE)

AŠ PER PLUMBING DEPT.

METER IN CHAMBER

APPROVED BY

1-8-9

TD. DWG. NUMBER

REV. DATE: NOVEMBER 2011

ALTERNATE METHOD OF SERVICING IF NO HYDRANT REQUIRED

FIRE HYDRANT C/W VALVE & BOX

DIRECTION OF PUMPER NOZZLE

REV. DATE: NOVEMBER 2011

RESTAURANT

DRAWN BY

AINLEY GROUP

METER IN CHAMBER

APPROVED BY

STD, DWG, NUMBER

1-8-6

METER IN CHAMBER

REV. DATE: NOVEMBER 2011

STD. DWG. NUMBER

1-8-5a

DRAWN BY

SCALE

AINLEY GROUP

METER

METER

DRAWN BY

AINLEY GROUP

CONDOMINIUM

NOTE:

MH's ALONG SEWER GOVERNED BY PLUMBING CODE

WATERMAIN NOTES:

ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT REGION OF PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS. WATERMAIN AND/OR WATER SERVICE MATERIALS 100mm AND LARGER MUST BE P.V.C. DR18 TO AWWA C900-16. SIZE 50mm OR SMALLER TO BE COPPER TYPE 'K' ASTM B88-49.

4. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION

THAT SHALL INCLUDE AN APPROPRIATE CROSS—CONNECTION CONTROL DEVICE, CONSISTANT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE

DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8

- WATERMAINS AND/OR WATER SERVICES TO HAVE A MINIMUM COVER OF 1.7m WITH A MINIMUM HORIZONTAL SPACING OF 1.2m FROM THEMSELVES AND ALL OTHER UTILITIES. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST 50mm OUTLET ON 100mm 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 ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING TO
- BE 100mm DIAMETER MINIMUM ON A HYDRANT. ALL CURB STOPS TO BE 3.0m OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION A AND B, 0.7m AND 0.9m AND TO HAVE PUMPER NOZZLE. WATERMAINS TO BE INSTALLED TO 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. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.15m OVER AND
- 0.50m UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING. ORDER TO ALLOW PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES I). ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS & MAINTENANCE DIVISION.

REGION OF PEEL — BORING/TUNNELING NOTES:

WHEN INSTALLING WATERMAIN OR SANITARY SEWER WITHIN STEEL LINERS, THE FOLLOWING SHALL APPLY:

- ALL CASING SPACERS ARE TO BE MADE OF T-304 STAINLESS STEEL. 2. BEARING SURFACES (RUNNERS) SHALL BE ULTRA 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 LINER TO BE CONTERED AND RESTRAINED, SUFFICIENT ENOUGH TO PROVIDE NO LESS THAN 19mm (3 INCH) CLEARANCE BETWEEN THE CASING PIPE AND THE OUTSIDE DIAMTER OF THE BELL: . THE WATERMAIN SHALL BE RESTRAINED LATERALLY FOR THE ENTIRE LENGTH OF THE
- 6. LINER TO BE SEALED USING WRAP AROUND RUBBER ENDS COMPLETE WITH STAINLESS STEEL (T-304) BANDING. CASING PIPE SHALL BE MANUFACTURED FROM STRUCTURAL GRADE STEEL CONFORMING TO CSA SPECIFICATION G-40.1 AND G-40.4 WITH ELECTRICALLY WELDED JOINTS.

 8. DAYLIGHTING IS REQUIRED FOR ALL UTILITY CROSSING PRIOR TO AND DURING CONSTRUCTION AND UNDER REGION OF PEEL INSPECTION SUPERVISION.

LINER AND BEYOND WHEN STATED ON THE CONTRACT DRAWINGS;

WHERE THE CONTRACT, PROJECT MANAGER OR DESIGNATE SPECIFIES, SUPPLY MATERIAL AND GROUT THE WATERMAIN PIPE INSIDE THE CASING. ASSURE THAT GROUT FILLS ALL SPACES BETWEEN THE WATERMAIN PIPE AND THE CASING SHOWN ON THE CONTRACT

SEDIMENT & EROSION CONTROL WORKS:

- INSTALL ALL SEDIMENT AND EROSION CONTROL WORKS PRIOR TO ANY PRE-GRADING OR SITE WORKS. INSTALL SILT FENCE, CONSTRUCTION ENTRANCE MUD AND CONSTRUCT TEMPORARY SEDIMENTATION BASIN AND RELATED BEGIN SITE WORKS, SITE TO BE ROUGH GRADED TO DRAIN TO INTERCEPTOR SWALE
- TEMPORARY SEDIMENT BASIN TO BE PHASED OUT AS STORM SEWERS ARE CATCHBASIN SEDIMENT BARRIERS TO BE INSTALLED ON ALL INLET TEMPORARY SEDIMENT BASIN TO BE REMOVED WHEN DISTURBED AREA IS LESS COMPLETE FREQUENT INSPECTIONS OF SEDIMENT AND EROSION CONTROLS THROUGHOUT CONSTRUCTION PROCESS AND REPAIR/REPLACE AS REQUIRED UNTIL
- TRCA SEDIMENT & EROSION CONTROL NOTES: The erosion and sediment control strategies outlined on the plans are not static and may need to be upgraded/amended as site conditions change to minimize sediment laden runoff from leaving the work areas. If the prescribed measures on the plans are not effective in preventing the release of deleterious substance, including sediment, then alternative measures must be implemented immediately
- to minimize potential ecological impacts. TRCA Enforcement Officer should be immediately contacted. Additional erosion and sediment control measures to be kept on site and used as necessary. . All activities, including maintenance procedures, will be controlled to prevent the entry of petroleum products, debris, rubble, concrete or other deleterious substances into the water. Vehicular refueling and maintenance will be conducted a minimum of 30 m from the watercourse.

<u>Grading and Drainage Notes</u>

- The following notes shall appear on the Grading and Drainage Plan(s): Construction for this project to comply with the most current version of the Development Standards, Policies and Guidelines, prepared by the Town of Caledon, Public Works Department and the Ontario Provincial Standards and 2. All proposed construction shall be carried out in accordance with the requirements of the Occupational Health and Safety Act and Regulations for construction projects. 3. Within a minimum of forty—eight hours prior to commencing construction within the municipal right—of—way, the contractor must contact the following: The Town of Caledon Public Works Department 905-584-2272
- The Region of Peel 905-791-7800 Enbridge Consumers Gas 905-758-7924 Hydro One 519-941-1211 Bell Canada 416-296-6929 Rogers Cable 905-897-3914
- by the Public Works and Engineering Department. 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 applicable Conservation Authority.

4. All drainage to be self—contained and discharged to a location approved

- 6. A minimum of 1.5m clearance is to be provided from the limits of all sidewalks and driveways to existing utility structures within the municipal right-of-way. If this clearance is not maintained, the structures shall be relocated at the applicant's expense.
- 7. Street curbs are to be continuous within the proposed entrance. Municipal 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

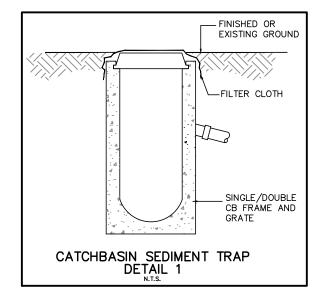
replaced with a 200 mm minimum concrete thickness, 30

Mpa and 5% to 7% air entrainment at all proposed

50mm HL8 Asphalt

- industrial, commercial and institutional entrances. 9. Any changes to grades or servicing from the originally 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. As such the drawing is to show areas of heavy asphalt and light asphalt and is to provide design information. 10. All boulevards to be restored with 150mm minimum of topsoil and sod to the satisfaction of the Town of Caledon Public Works Department.
- 11. The minimum pavement design for the asphalt driveway apron within the municipal road allowance shall be as follows: 40mm HL3 Asphalt

150mm Granular 'A' 300mm Granular 'B' The consultant should review the above with respect to the expected usage. 12. Service Connection Backfill to be discussed with the Town of Caledon

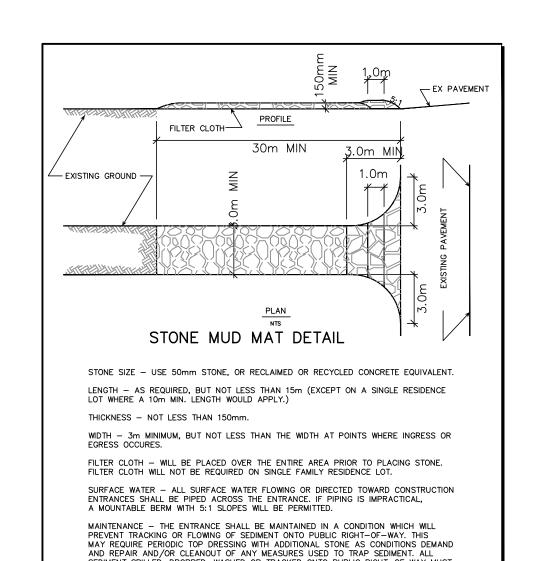


ALL PHASES OF THE DEVELOPMENT SHALL REFLECT THE LATEST TOWN OF CALEDON, CONSERVATION AUTHORITY SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON THE SITE AND SHALL BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO THE SATISFACTION OF THE

OF PEEL INSPECTION SUPERVISION.

TOWN AND THE APPLICABLE CONSERVATION AUTHORITY.

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



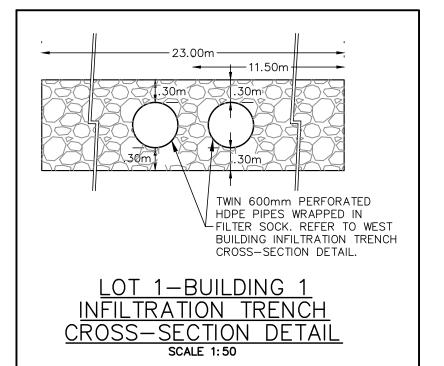
SERVICING NOTES: - ALL SERVICE CROSSINGS SHALL COMPLY WITH THE ARTICLE 7.3.5.7 OF O.B.C. - PROVIDE THRUST RESTRAIN OF WATER SERVICE PIPE 4 inch OR LARGER AT EACH CHANGE OF DIRECTION AND AT ALL TEES, PLUGS, CAPS AND BENDS OR

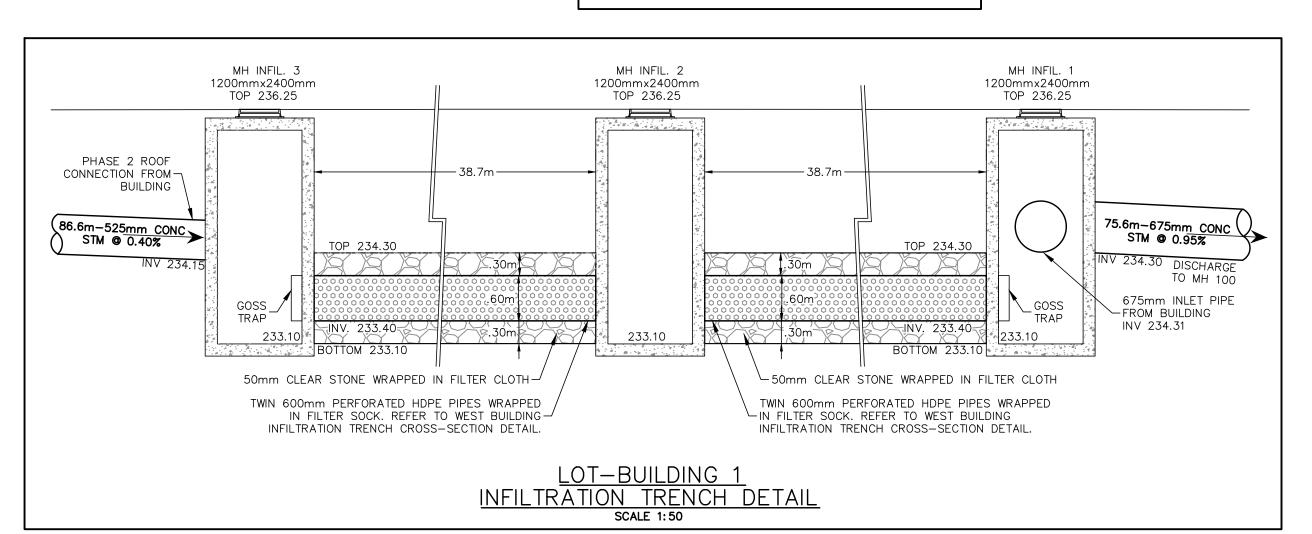
REQUIRED IN ARTICLE 7.3.4.9 OF THE O.B.C.

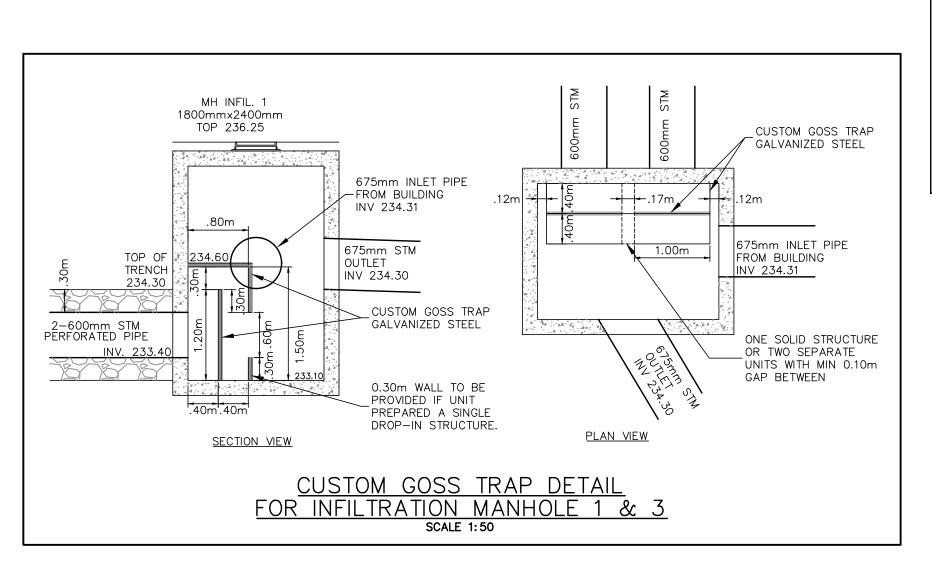
SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT—OF WAY MUS

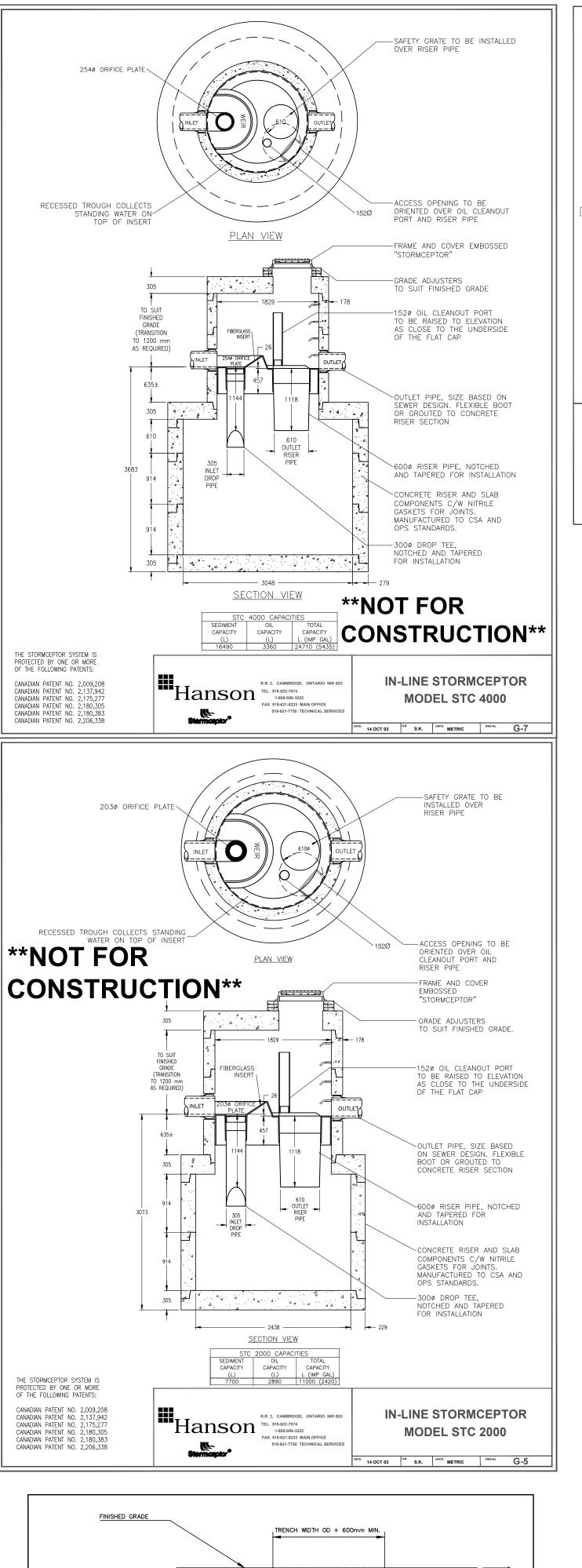
WASHING — WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

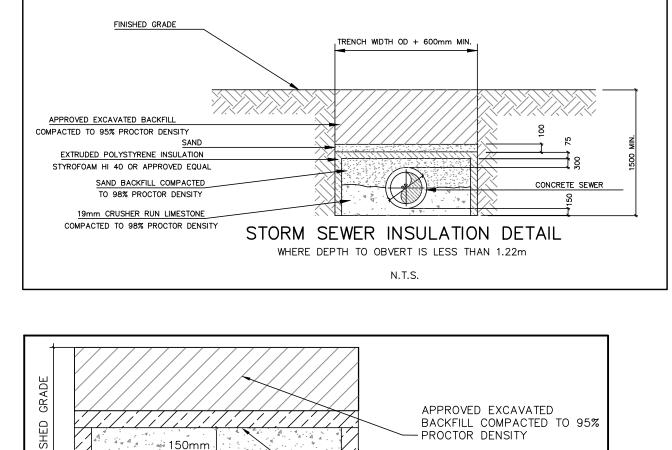
PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

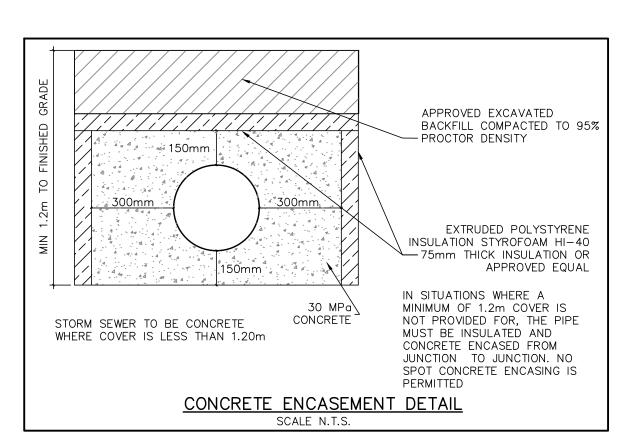


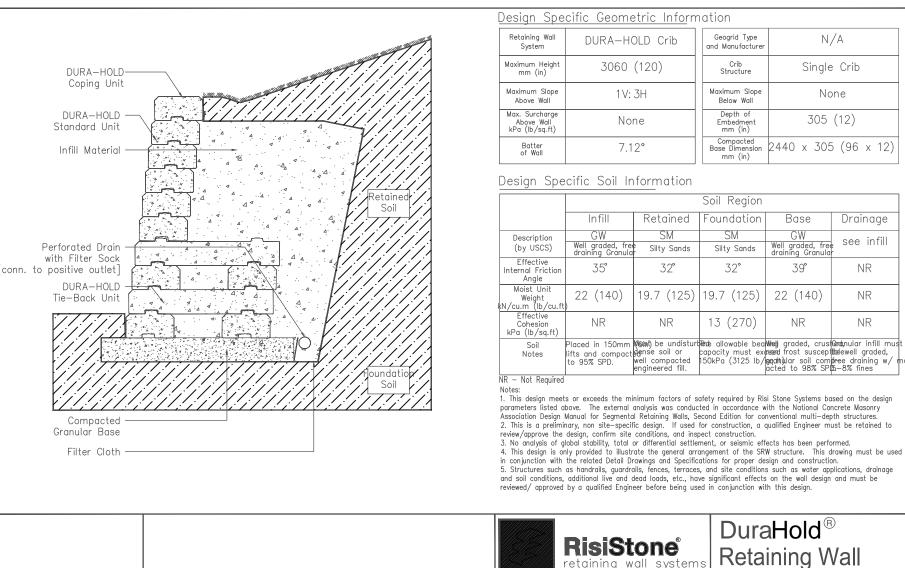












N/A

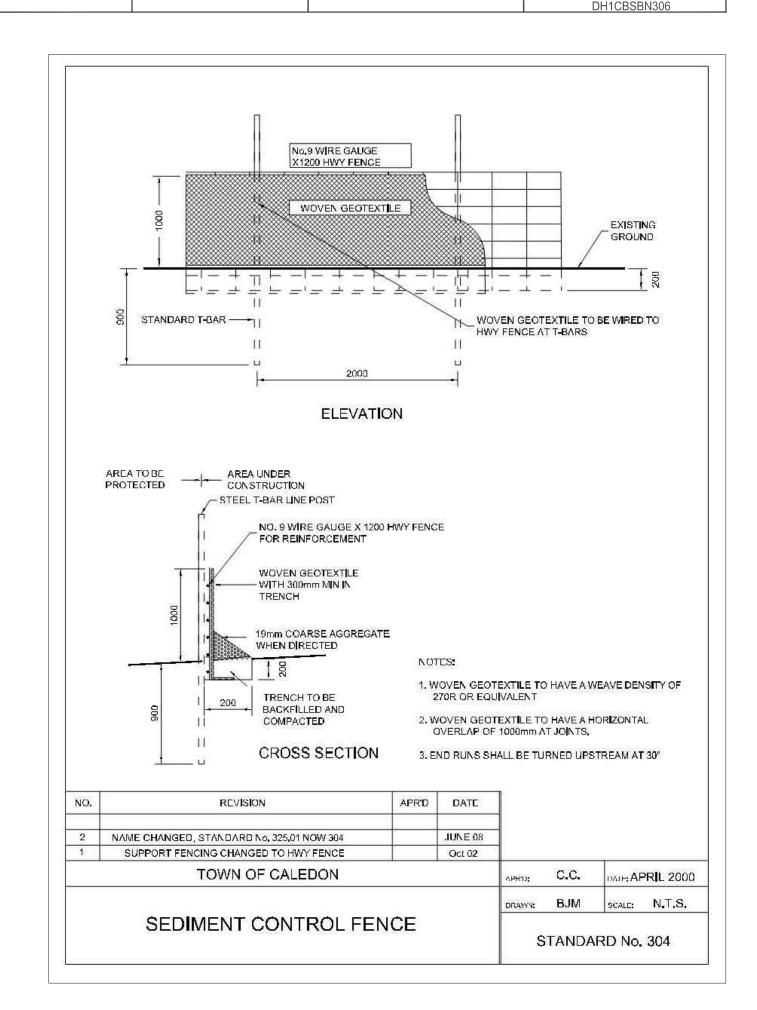
None

Crib Section

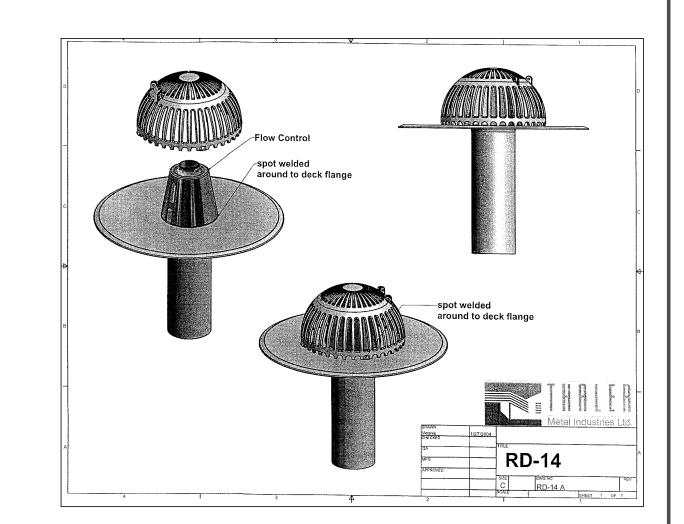
3060mm (10.00ft

Site: 3H:1V Slope — Silty Sands

Infill: Granular [Crib]



Tel 905.882.5898ax 905.882.4556



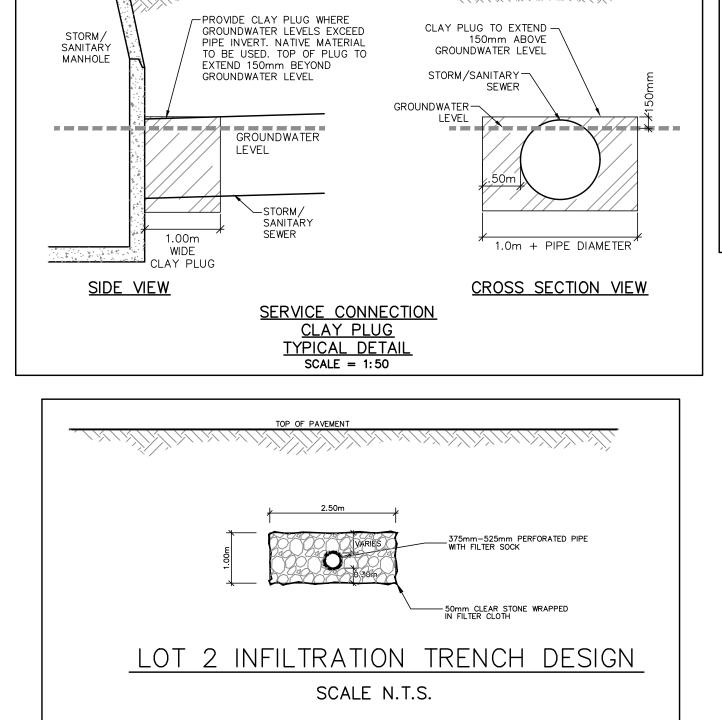
Infiltration & Goss Trap Maintenance Schedule <u>Semi-annual inspection</u>

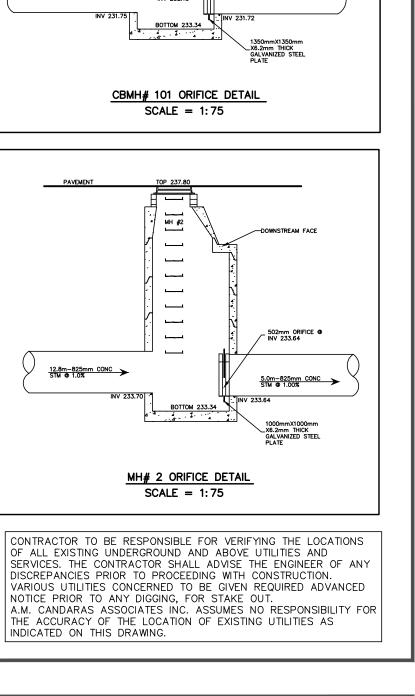
manhole (MH11).

- Check observation (MH11) 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 perforated pipe and flush in direction of observation

manhole. Vacuum any accumulated sediment from observation

- 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.





MH #101

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12.8m-900mm CONC _ STM @ 0.45%

12.8m-900mm CONC STM @ 0.40%

767mm ORIFICE © INV 231.72

RZ 19-06 / SPA 19-4-	J	JOB NO.:	SCALE:	DRAWN BY:	PA / PM:
	SHEET	1731	AS SHOV	F.P.	A.M.C.

	CONSTRUCTION DETAILS & NOTES						
	DATE REMARKS			DATE	REM <i>i</i>	ARKS	
	2017-10-04	1ST SUBMISSION	10	21-03-02	REV PER T	TOWN	COMMENTS
	2018-03-22	ISSUED TO TOWN OF CALEDON FOR SPA					
	2018-10-02	ISSUED TO TOWN FOR SPA					
	2018-10-26	ISSUED FOR PERMIT					
	2019-02-01	REV SITE PLAN, TOWN/REGION COMMENTS					
	2019-04-02 ISSUED TO TOWN OF CALEDON 2019-08-14 ISSUED FOR VARIANCE						
	2020-05-05	PH2 STORM CONNECTION ADDED					
9	2020-06-15	REV SITE PLAN BLDG 1/RETAINING WALL					

TRIOVEST REALTY ADVISORS BOLTCOL HOLDINGS NORTH **GEORGE BOLTON PARKWAY** BOLTON, ONTARIO, CANADA

VARIANCE SPA#: 19-44 / RZ 19-06

_ L	LEGEND		○ M.H.	EXISTING STM MANHOLE		CATCHBASIN SEDIMENT TRAP		П	
5	X 235.10	PROPOSED FIN. GRADE	☐ C.B	PROPOSED CATCH BASIN	→	OVERLAND FLOW DIRECTION		ı	
	T/C 235.10	PROPOSED TOP OF CURB	□□D.C.B.	PROPOSED DOUBLE CATCH BASIN	×	VALVE AND BOX		ı	
	250.65	EXISTING ELEVATION	О СВМН	PROPOSED CATCH BASIN MANHOLE	+ +	HYDRANT AND VALVE		ı	
	250.65/	EXISTING CONTOUR	© DСВМН	PROPOSED DOUBLE CATCH BASIN MANHOLE		LIMIT OF CONSTRUCTION		ı	
	∇	MAN DOOR LOCATIONS	● M.H. SAN	PROPOSED SANITARY MANHOLE	BH1/MW 1A/1B GWL 234.4/234.0	BOREHOLE/MONITOR WELL		ı	
	$\overline{\nabla}$	OVERHEAD DOOR LOCATIONS	O M.H. STM	PROPOSED STORM MANHOLE		GROUNDWATER CONTOUR		ı	
	▼	DRIVE IN DOOR		TEMPORARY STONE MUD MAT	WHD.	CLAY SERVICE PLUG		ı	•
	M .H.	EXISTING SAN MANHOLE	SILT	SILT FENCE				ı	





