

GENERAL NOTES:

- 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 SPECIFICATIONS.
- ALL PROPOSED CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- 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 ENGINEERING DEPARTMENT: 905-584-2272
 - THE REGION OF PEE: 905-791-7800
 - ENBRIDGE CONSUMERS GAS: 905-758-7924
 - HYDRO ONE: 519-496-1211
 - BELL CANADA: 416-296-6969
 - ROGERS CABLE: 905-897-3914
- ALL DRAINAGE TO BE SELF CONTAINED AND DISCHARGED TO A LOCATION APPROVED BY THE PUBLIC WORKS & 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.
- 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 CONTRACTORS EXPENSE.
- ANY CHANGES TO GRADES OR SERVING FROM THE ORIGINALLY APPROVED SITE PLAN MUST BE APPROVED BY THE TOWN OF CALEDON PUBLIC WORKS & ENGINEERING DEPT
- ROAD OCCUPANCY / ACCESS PERMIT MUST BE OBTAINED 48 HOURS PRIOR TO COMMENCING ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE.

LOCATES AND LIABILITY:

- THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO THE ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE REGION AND OR TOWN.
- THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY, AND WHERE SHOWN ON THE DRAWING(S) THE ACCURACY OF THE LOCATION OF SUCH UTILITIES ARE NOT GUARANTEED, THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES BY CONSULTING THE APPROPRIATE AUTHORITIES OR UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OR RESTORATION.
- THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY CONFLICTS WITH EXISTING SERVICES.
- ANY RELOCATION OF UTILITIES REQUIRED BY THE DEVELOPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

ROADS, SIDEWALKS AND WALKWAYS:

- ENTRANCE WIDTH AT THE PROPERTY LINE TO BE AT LEAST 3.0 METRES, BUT NOT MORE THAN 9.0 METRES IN WIDTH. WITH A MINIMUM CENTRE LINE RADIUS OF 12 METRES FOR COMMERCIAL AND INDUSTRIAL DEVELOPMENTS.
- CATCHBASIN, MAINTENANCE HOLE AND VALVE CHAMBER COVERS SHALL BE SET FLUSH TO BASE COURSE ASPHALT LEVEL AND ADJUSTED TO GRADE PRIOR TO INSTALLING TOP COURSE OF ASPHALT.
- ALL CONCRETE FOR CURBS TO BE BARRIERS PER O.P.S.D. 600.110.
- SIDEWALKS TO BE CONTINUOUS THROUGH INDUSTRIAL, COMMERCIAL AND INSTITUTIONAL DRIVEWAYS.
- STREET CURBS ARE TO BE CONTINUOUS WITHIN THE PROPOSED ENTRANCE.
- SIDEWALKS SHALL BE AS PER O.P.S.D. 310.010 WITH CONCRETE TO CONFORM TO O.P.S.S. 351
- 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 IS TO PROVIDE DESIGN INFORMATION.
- NATIVE SUBGRADE SHALL HAVE A CROSS-FALL OF 3.0% AND THE MATERIAL SHALL BE APPROVED BY A SOILS CONSULTANT AND IS SUBJECT TO APPROVAL BY THE TOWN.
- NATIVE SUBGRADE TO BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND SHALL BE PROOF ROLLED.
- ASPHALT PAVEMENT STRUCTURE SHALL BE CONFIRMED BY A SOILS CONSULTANT.
- SERVICE CONNECTION BACKFILL TO BE DISCUSSED WITH THE TOWN OF CALEDON
- THE PORTION OF THE DRIVEWAY WITHIN THE MUNICIPAL BOULEVARD MUST BE PAVED WITH 40mm HL3 AND 50mmHL8. SUB BASE TO BE 150mm GRANULAR "A" (OR 150mm OF 20mm CRUSHER RUN LIMESTONE) AND 300mm GRANULAR "B" COMPACTED TO SOIL CONSULTANTS RECOMMENDATIONS. PAVEMENT TO BE REMOVED AND REPLACED SHOULD THE EXISTING PAVEMENT DOES NOT MEET THIS MINIMUM.

PAVEMENT STRUCTURE:

- BACKFILL LIFT THICKNESS SHALL BE NO GREATER THAN 300mm AND COMPACTED TO MIN 98% SPD OR PER RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER.
- SUB-GRADE TO BE PROOF ROLLED AND CERTIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO THE INSTALLATION OF ANY GRANULAR MATERIALS. ASPHALT STRUCTURE DESIGN SHALL BE CONFIRMED BY A GEOTECHNICAL CONSULTANT.
- UNLESS OTHERWISE SPECIFIED BY THE SOILS CONSULTANT, SUB-GRADE TO BE COMPACTED TO 98% SPMD. GRANULAR GAS AND SUB-BASE TO BE COMPACTED TO 100% SPMD AND ASPHALT PAVEMENT IS TO BE COMPACTED IN ACCORDANCE WITH OPSS 310.
- WHERE NEW ASPHALT MATCHES EXISTING ASPHALT, EXISTING ASPHALT SHALL BE GRINDED A MINIMUM OF 30mm WIDE AND 40mm DEEP FOR KEYING. HOT RUBBER SEALING COMPOUND IN ACCORDANCE WITH OPSS 1212 AND EMULSIFIED ASPHALT AT ALL JOINTS WILL BE APPLIED.
- WHERE ASPHALT PAVEMENT IS SPECIFIED THE PAVEMENT STRUCTURE SHALL ADHERE TO THE TOWN OF CALEDON REQUIREMENTS FOR ASPHALT APRONS. (SEE GENERAL NOTES)
- THE PAVEMENT STRUCTURE SHALL BE AS INDICATED UPON DRAWING NO. 18107-SG1 SITE GRADING PLAN USED UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL CONSULTANT.

GRADING NOTES:

- ALL GRADING MUST COMPLY WITH TOWN CRITERIA AND STANDARDS.
- ALL DRAINAGE TO BE SELF CONTAINED AND DISCHARGED TO A LOCATION APPROVED BY THE PUBLIC WORKS & ENGINEERING DEPARTMENT PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- ANY CHANGES TO GRADES OR SERVING FROM THE ORIGINALLY APPROVED SITE PLAN MUST BE APPROVED BY THE TOWN OF CALEDON PUBLIC WORKS DEPARTMENT.
- FILL AREAS SHALL BE GRADED AND COMPACTED TO 98% STD. PROCTOR DENSITY, FREE OF DEPRESSIONS.
- THE SUITABILITY AND COMPACTOR OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOILS CONSULTANT TO THE TOWN ENGINEER PRIOR TO THE INSTALLATION OF THE ROAD BASE.
- PROVIDE MINIMUM 5.0m CURB RETAINMENT AT ALL ENTRANCES.
- WHERE MAXIMUM GRADES ARE NOT ACHIEVABLE, GRADING TO BE MADE UP WITH SLOPES NOT STEEPER THAN 3:1 (H:V) RETAINING WALLS OR USE LOW MAINTENANCE LANDSCAPING IF THIS REQUIREMENT CANNOT BE MET.
- GRADE AREAS TO:
 - PROVIDE PROPER SURFACE DRAINAGE AND MAXIMUM USABLE LAND AREA.
 - PRESERVE EXISTING TREES WHERE POSSIBLE.
 - DIRECT FLOWS AWAY FROM BUILDINGS.
- MINIMUM GRASSED AREA GRADE 2.0% DESIRABLE, MAXIMUM 5.0%
- MINIMUM PAVED AREA GRADE MINIMUM 0.5%, 1.0% DESIRABLE, MAXIMUM 6.0%
- TOPSOIL AND NURSERY SOD IN ALL DISTURBED GRASSED AREAS TO THE SATISFACTION OF THE TOWN OF CALEDON ENGINEERING DEPARTMENT.
- FLOWS CARRIED AROUND THE BUILDING AREA TO BE CONFINED TO DEFINED SWALES LOCATED AS FAR FROM THE BUILDING AS POSSIBLE.
- FOOTINGS TO BE FOUND IN UNDISTURBED NATIVE SOIL OR, IF LOCATED IN ENGINEERED FILL, FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF, AND CERTIFIED IN THE FIELD BY, A GEOTECHNICAL ENGINEER.
- GRADING OF SITE TO BE CHECKED AND CERTIFIED BY ENGINEER PRIOR TO PLACEMENT OF TOPSOIL AND SODDING/SEEDING.
- ALL BOULEVARD AREAS TO BE RESTORED WITH 150mm MINIMUM OF TOPSOIL AND SOD TO THE SATISFACTION OF THE TOWN OF CALEDON PUBLIC WORKS DEPARTMENT.
- ALL DISTURBED AREAS ARE TO BE RESTORED WITH TOPSOIL AND SEED IMMEDIATELY.
- ALL DRIVEWAY CURBS TO BE PER OPSS 600.110 (32 MPa, C-2)

STORM / SANITARY NOTES:

- CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ADDITIONAL BEDDING AND/OR STRONGER PIPE IF ACTUAL TRENCH WIDTHS EXCEED THE DESIGN WIDTHS.
- FOR MAXIMUM TRENCH WIDTH (SEPARATE TRENCH) AT TOP OF PIPE, SHALL CONFORM TO THE CURRENT TOWN STANDARDS.
- THE SUITABILITY AND COMPACTING OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A SOIL CONSULTANT TO THE CITY ENGINEER PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIALS.
- ALL MANHOLES TO BE 1200mm DIA. UNLESS OTHERWISE NOTED.
- SEWERS TO HAVE CLASS "B" BEDDING TO CURRENT TOWN STANDARDS AND SPECIFICATIONS.
- SURROUND ALL MANHOLES WITH A MINIMUM OF 1.0m COMPACTED GRANULAR BACKFILL.
- STORM/SANITARY SEWER SMALLER THAN 525mm DIAMETER SHALL BE PVC SDR35 CONFORMING TO CSA B182.2 OR B182.4 OR LATEST REVISION THEREOF.
- STORM/SANITARY SEWER 525mm DIAMETER OR LARGER SHALL BE CONCRETE MINIMUM C76-650, OR HIGH DENSITY POLYETHYLENE CONFORMING TO CSA B 182.4 (EOPSS 2003)
- ALL STORM MANHOLES TO BE PRE-CAST CONCRETE AS PER OPSS 701.010.
- ALL CATCHBASINS AND CBMH COVERS LOCATED IN PAVED AREAS SHALL BE OPSS 400.100
- ALL CATCHBASINS AND CBMH COVERS LOCATED IN LANDSCAPED AREAS SHALL BE BEEHIVE TYPE FRAME AND GRATE PER TOWN STANDARD 503.
- SUBDRAINS TO BE PROVIDED AT ALL CATCHBASINS AND SHALL BE 100mm DIA. PERFORATED PVC W/GEOTEXTILE, 5.0m UPSTREAM OF CATCHBASIN.
- SOIL CONDITIONS UNDER SEWERS, (ALL FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY)
- THE SERVICE CONNECTION TRENCH IN THE TRAVELED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ROAD OCCUPANCY / ACCESS PERMIT APPLICATION.
- WITHIN THE TOWN'S RIGHT OF WAY STORM SEWERS AND STORM SEWER CONNECTIONS MUST BE CONCRETE, OR APPROVED EQUAL, WITH "B" BEDDING THROUGHOUT. THE STRENGTH OF THE CONCRETE PIPE MUST BE AS PER CURRENT TOWN STANDARDS. AS FOLLOWS: MINIMUM 65-R FOR REINFORCED PIPE AND MINIMUM ES FOR NON-REINFORCED PIPE.
- THE MINIMUM CATCHBASIN LEAD DIMETER ALLOWED IS 200mm.
- STORM SEWER PIPES CONNECTING TO TOWN STORM SEWER SHALL NOT BE SMALLER THAN 200mm.
- ALL CATCHBASIN MANHOLES AND MANHOLES WITH INLET CONTROL DEVICES MUST HAVE A MINIMUM 0.3m SUMP AND TOP PER MUNICIPAL STANDARDS.
- FOUNDATION DRAINS SHALL NOT BE CONNECTED TO THE STORM SEWER ON SITES WITH STORMWATER MANAGEMENT CONTROL.
- TOP OF MANHOLE COVER TO BE SET TO BASE COURSE ASPHALT GRADE AND THEN ADJUSTED TO FINAL GRADE WITH MAXIMUM OF 3 MODULOC RINGS AS PER OPSS 704.010 WHEN TOP LIFT OF ASPHALT IS PLACED.

SUBDRAINS:

- SUB-DRAINS TO BE INSTALLED UNDER ALL CURBS ON SITE
- SUB-DRAINS TO BE MINIMUM 100mm PERFORATED HDPE PIPE COMPLETE WITH GEOTEXTILE SOCK AS PER OPSS 405 AND OUTLET TO SWALES OR TO DITCHES ONSITE.
- SUB-DRAINS TO EXTEND A MINIMUM 5.0m UPSTREAM ON EITHER SIDE ALONG THE SURFACE DRAINAGE PATH AND OUTLET TO CB, DCB, CBMH'S OR STORM MANHOLES.
- ALL SUB-DRAINS SHALL BE BACKFILLED WITH GRANULAR MATERIAL.
- SUB-DRAIN INSTALLATION TO BE CARRIED OUT IN ACCORDANCE, OPSS, OPSS, LOCAL MUNICIPAL STANDARDS AND ONTARIO BUILDING CODE.

EROSION CONTROL NOTES:

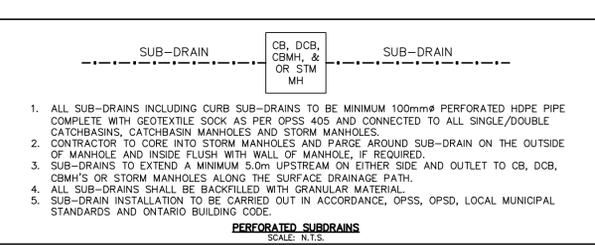
- PRIOR TO ANY EARTH MOVING / CONSTRUCTION ACTIVITIES, CONSTRUCTION ENTRANCE MUD MAT, SILT FENCE, TEMPORARY INTERCEPTOR SWALES AND ROCK CHECK DAMS MUST BE INSTALLED.
- DIXIE ROAD TO BE MAINTAINED FREE OF MUD, DEBRIS ETC. THROUGH AN ONGOING PROGRAM OF STREET SWEEPING, CLEANING AND SCRAPING AS REQUIRED.
- THE CATCHBASIN SEDIMENT PROTECTION DEVICES MUST BE INSPECTED A MINIMUM OF ONCE EVERY TWO WEEKS AND IMMEDIATELY FOLLOWING A SIGNIFICANT RAINFALL EVENT (RAINFALL 10M OR GREATER)
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED, AS REQUIRED BY THE CONTRACTOR, TO THE SATISFACTION OF THE TOWN OF CALEDON AND THE SITE ENGINEER.
- ALL EROSION AND SEDIMENT CONTROL PLANS TO BE MAINTAINED AND WHILE THE EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AS SHOWN ON THIS PLAN, THEY ARE ALSO TO BE MAINTAINED AND MODIFIED AS NECESSARY OVER THE CONSTRUCTION PERIOD TO PREVENT THE RELEASE OF SEDIMENT FROM THE CONSTRUCTION AREA.
- SHOULD NUISANCE Dewatering BE REQUIRED FOR EXCAVATIONS SILT SACS MUST BE USED BY THE CONTRACTOR.
- TYPICAL MAINTENANCE REQUIREMENTS OF THE CATCHBASIN PROTECTION DEVICES MAY INCLUDE:
 - CLEANING/REPAIRING/REPLACEMENT OF WOVEN GEOTEXTILE MATERIAL
 - ALL SEDIMENT CONTROL FENCING TO BE ERCTED PRIOR TO COMMENCEMENT OF ANY GRADING OPERATIONS (AS PER TOWN STD. 325.01) SEDIMENT PROTECTION BARRIER TO BE INSPECTED AND MAINTAINED ON A REGULAR BASIS OR TO THE SATISFACTION OF THE TOWN OF CALEDON.
 - ALL CATCHBASINS WITHIN LANDSCAPED AREAS TO HAVE SEDIMENT CONTROLS PER TOWN STD. 320.03 AND SHALL BE ERCTED IMMEDIATELY AFTER CB INSTALLATION. SEDIMENT PROTECTION BARRIER TO BE MAINTAINED ON A REGULAR BASIS OR TO THE SATISFACTION OF THE TOWN OF CALEDON.
 - ALL ROADSIDE CATCHBASINS TO HAVE SEDIMENT PROTECTION AS PER TOWN STANDARD 320.02 INSTALLED IMMEDIATELY AFTER CB INSTALLATION. SEDIMENT PROTECTION BARRIER TO BE MAINTAINED ON A REGULAR BASIS OR TO THE SATISFACTION OF THE TOWN OF CALEDON.
 - THE STORM DRAINAGE DITCH AT THE REAR OF THE PROPERTY SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS WITH RESPECT TO PROPOSED GRADES, VEGETATION GROWTH, SEDIMENT PROTECTION DEVICES, AND SEDIMENT REMOVAL.

REGION OF PEE WATER SERVICE NOTES:

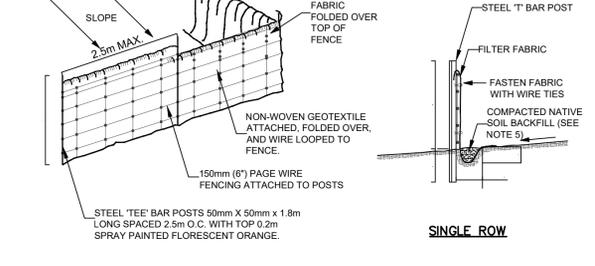
- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEE PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- WATERMANS AND / OR WATER SERVICE MATERIALS 100 MM (4") AND LARGER MUST BE DR 18 PIPE MANUFACTURED TO A.W.W.A. SPEC. 990-16 SPEC COMPLETE WITH TRACER WIRE, SIZE 50 MM (2") AND SMALLER MUST BE TYPE K SOFT COPPER PIPE PER A.S.T.M. B88-49 SPECIFICATION.
- WATERMANS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 M (5'6") WITH A MINIMUM HORIZONTAL CLEARANCE 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. THE MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN 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 0.9M (3") AND TO HAVE PUMPER NOZZLE.
- WATERMANS 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.
- 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 REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
- 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 THEIR WORK WHEN 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 THE 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 PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEE STANDARDS 1-7-7R / 1-7-8.

PERFORATED SUBDRAINS
SCALE: N.T.S.

- ALL SUB-DRAINS INCLUDING CURB SUB-DRAINS TO BE MINIMUM 100mm PERFORATED HDPE PIPE COMPLETE WITH GEOTEXTILE SOCK AS PER OPSS 405 AND CONNECTED TO ALL SINGLE/DOUBLE CATCHBASINS, CATCHBASIN MANHOLES AND STORM MANHOLES.
- CONTRACTOR TO CORE INTO STORM MANHOLES AND PARGE AROUND SUB-DRAIN ON THE OUTSIDE OF MANHOLE AND INSIDE FLUSH WITH WALL OF MANHOLE, IF REQUIRED.
- SUB-DRAINS TO EXTEND A MINIMUM 5.0m UPSTREAM ON EITHER SIDE AND OUTLET TO CB, DCB, CBMH'S OR STORM MANHOLES ALONG THE SURFACE DRAINAGE PATH.
- ALL SUB-DRAINS SHALL BE BACKFILLED WITH GRANULAR MATERIAL.
- SUB-DRAIN INSTALLATION TO BE CARRIED OUT IN ACCORDANCE, OPSS, OPSS, LOCAL MUNICIPAL STANDARDS AND ONTARIO BUILDING CODE.



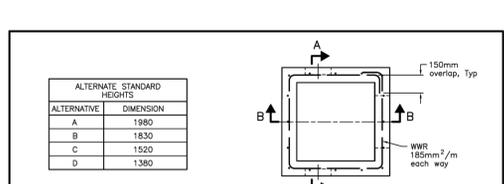
TOWN OF CALEDON		CATCH BASIN SEDIMENT BARRIER	
NO.	REVISION	APPROVED DATE	STANDARD NO. 303
1	STANDARD No. 303.02 NOV 3/03	JUNE 08	



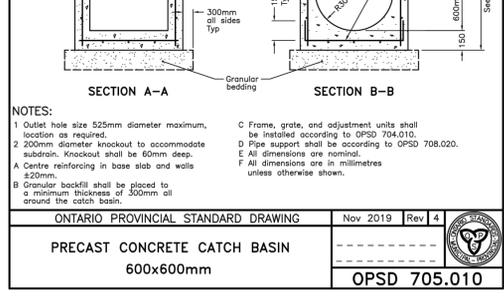
DOUBLE ROW
SILTATION AND EROSION CONTROL PROJECT

NOTES:

- CONTROL FENCE SHOULD BE ALIGNED WITH CONTOURS FOR SHEET OVERLAND FLOW.
- SILTATION CONTROL FENCE IS TO BE LOCATED IN AREAS OF LOW SEDIMENT YIELD ON SLOPES THAT CONFORM TO MTO DRAINAGE MANUAL VOLUME 2 (CHART FA-3C TOPOGRAPHIC FACTOR L3 BASED ON SLOPE LENGTH AND GRADIENT)
- SILTATION CONTROL FENCE SHALL BE CONSTRUCTED WITH 100mm DIA. FILTER FABRIC TIED INTO A MIN. OF 300mm BY EITHER STATIC SLICING OR TRENCH METHODS WITH COMPACTING OF TRENCH MATERIAL MEETING 95% STANDARD PROCTOR DENSITY.
- STEEL T-BAR POSTS ARE TO BE SPACED MAX. 2.5m ON CENTER.
- FROZEN GROUND CONDITIONS REQUIRE FILTER FABRIC TO BE BACKFILLED IN TRENCH WITH CLEAR STONE.
- STRAW BALES ARE TO BE PLACED BETWEEN POSTS UNLESS OTHERWISE SPECIFIED.
- GEOTEXTILE FABRIC TO BE COMPRISED OF NON-WOVEN U.V. STABILIZED MATERIAL. FABRIC TO BE FOLDED OVER TOP OF FENCE MIN. 300mm AND WIRE FASTENED.



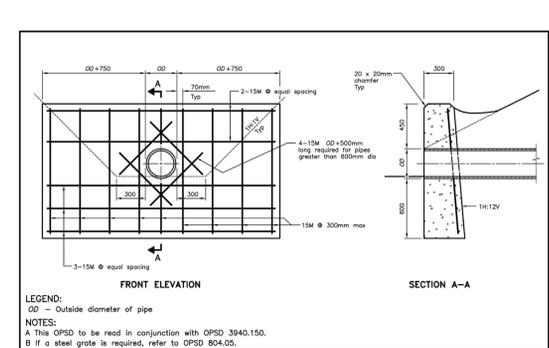
ALTERNATE STANDARD HEIGHTS	
ALTERNATIVE	DIMENSION
A	1830
B	1520
C	1520
D	1360



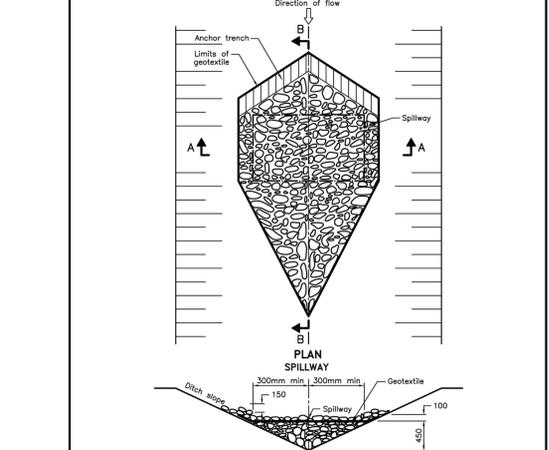
ONTARIO PROVINCIAL STANDARD DRAWING		Nov 2019 Rev 4	
PRECAST CONCRETE CATCH BASIN		600x600mm	
		OPSD 705.010	



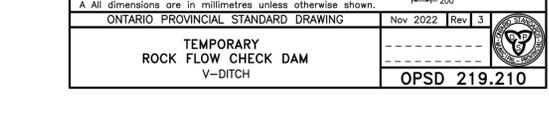
TOWN OF CALEDON		CATCH BASIN SEDIMENT BARRIER	
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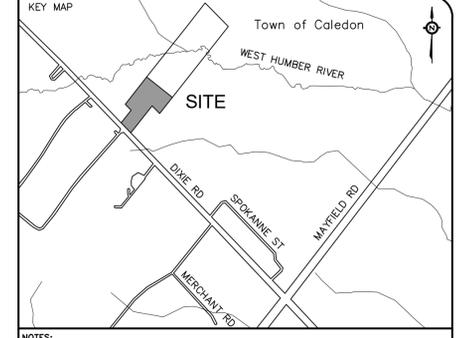
ONTARIO PROVINCIAL STANDARD DRAWING		Nov 2017 Rev 2	
CONCRETE HEADWALL		FOR PIPE LESS THAN 900mm DIAMETER	
		OPSD 804.030	



ONTARIO PROVINCIAL STANDARD DRAWING		Nov 2022 Rev 3	
TEMPORARY ROCK FLOW CHECK DAM		V-DITCH	
		OPSD 219.210	



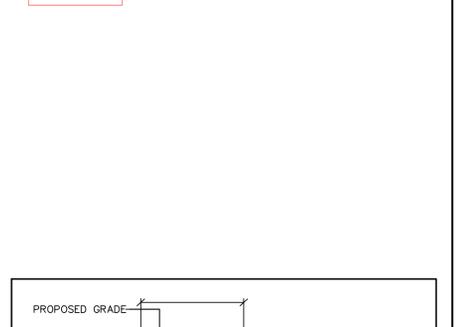
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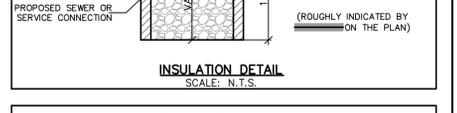
NOTES:

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. SURVEY PREPARED BY: VAN HARTEN SURVEYING INC. O.L.S. DATED: OCTOBER 24, 2022.
- DO NOT SCALE DRAWINGS.
- REPORT ALL ERRORS, OMISSIONS OR DISCREPANCIES TO URBAN WATERSHED GROUP LIMITED IMMEDIATELY UPON DISCOVERY.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
- THE DRAWINGS ARE THE PROPERTY OF URBAN WATERSHED GROUP LIMITED AND MUST BE RETURNED ON COMPLETION OF THE PROJECT. ANY UNAUTHORIZED USE OF THIS PLAN IS PROHIBITED.

TOWN OF CALEDON
PLANNING RECEIVED
December 5, 2025



TOWN OF CALEDON		CATCH BASIN SEDIMENT BARRIER	
NO.	REVISION	APPROVED DATE	STANDARD NO. 303
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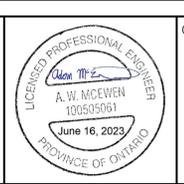
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NO.	ISSUED FOR SITE PLAN APPROVAL	X.Z.	2023/08/16
1.	ISSUED FOR SITE PLAN APPROVAL	X.Z.	2023/08/16

BENCHMARK:
BENCHMARK #1: NAIL APPROX. 18m IN GRAVEL SOUTH FROM SOUTH WEST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 263.42 METRES.
BENCHMARK #2: NAIL IN GRAVEL APPROX. 42.5m SOUTH FROM SOUTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 263.60 METRES.

BEARING NOTE:
BEARINGS ARE GRID BEARINGS AND ARE DERIVED FROM GPS OBSERVATIONS AND ARE REFERRED TO THE UTM PROJECTION, ZONE 17, NAD 83 (CSRS-2010) ADJUSTMENT.

LEGEND:	PROPERTY LINE	EXISTING VALVE & BOX	PROPOSED VALVE & BOX	EXISTING HYDRANT & VALVE	PROPOSED HYDRANT & VALVE	PROPOSED FIRE DEPARTMENT CONNECTION (FDC)	PROPOSED CHECK VALVE IN CHAMBER	308 WATER METER IN MECHANICAL ROOM PER R.O.P. STD. 1-4-5 (REFER TO MECH. PLANS)	EXTERIOR MAIN DOOR	OVERHEAD DOOR	R.O.P.	REGION OF PEE	
○	EXISTING STORM MANHOLE	○	PROPOSED STORM MANHOLE	○	PROPOSED CATCHBASIN MANHOLE	○	EXISTING SINGLE/DOUBLE CATCHBASIN	○	PROPOSED SINGLE/DOUBLE CATCHBASIN	○	EXISTING SANITARY MANHOLE	○	PROPOSED SANITARY MANHOLE
○	EXISTING SANITARY MANHOLE	○	PROPOSED SANITARY MANHOLE	○	EXISTING OVERHEAD DOOR	○	PROPOSED OVERHEAD DOOR	○	EXISTING OVERHEAD DOOR	○	PROPOSED OVERHEAD DOOR	○	EXISTING OVERHEAD DOOR



CONSULTANT

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DESIGNED BY:	A. MCEWEN	DATE:	DEC 01, 2022
DRAWN BY:	X. ZHANG	SURVEYED BY:	VAN HARTEN SURVEYING INC.
CHECKED BY:	P. ELLIS	DWG. NO.	2011-CN1
SCALE:	1:400		

PROJECT NAME:
PROPOSED TRANSPORTATION DEPOT

12633 DIXIE ROAD
TOWN OF CALEDON, ONTARIO

DRAWING NAME:
CONSTRUCTION NOTES & DETAILS PLAN