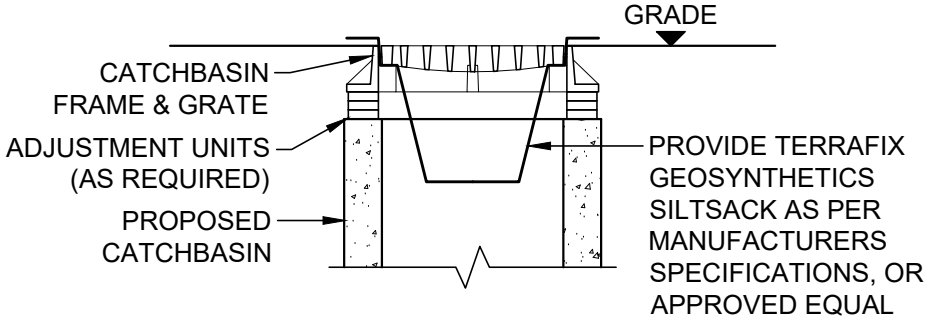
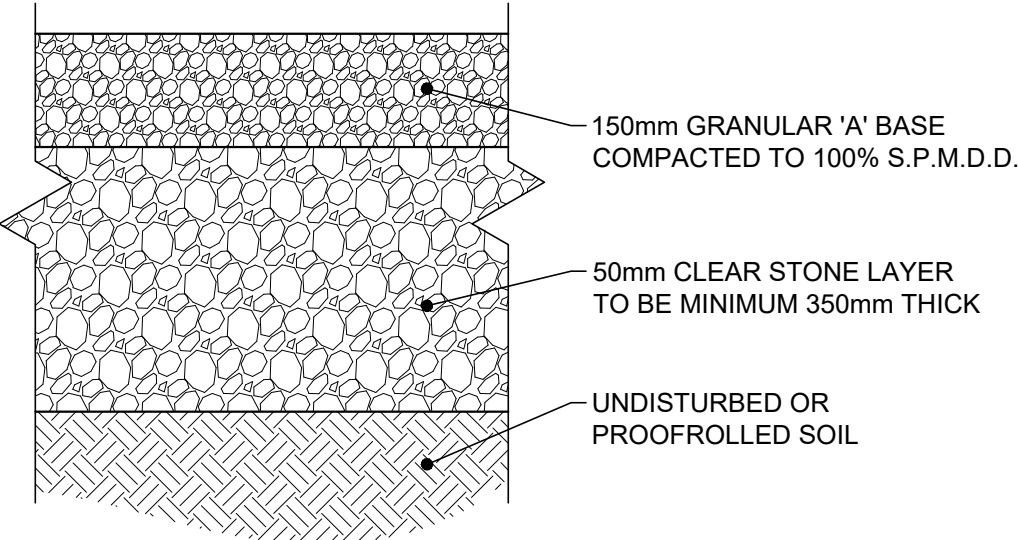


GEODETC BENCHMARK INFORMATION	
ELEVATIONS ARE BASED ON GPS OBSERVATIONS TO PERMANENT REFERENCE STATIONS IN THE NAD83 (CSRS-2010) COORDINATE SYSTEM AND HAVE BEEN CORRECTED TO ORTHOMETRIC ELEVATIONS ON THE CGVD28 DATUM (1978 ADJUSTMENT) WITH GEOID MODEL HTV2.0, AS SUPPLIED BY NATURAL RESOURCES CANADA.	
SITE TBM 1: NAIL IN HYDRO POLE, 457.36m SITE TBM 2: NAIL WASHER IN HYDRO POLE, 453.38m SITE TBM 3: NAIL IN HDYO POLE, 449.81m SITE TBM 4: CUT CROSS IN TRANSFORMER, 455.89m	
GENERAL NOTES:	
1.	READ ALL CIVIL DRAWINGS IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS, INCLUDING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, LANDSCAPE AND VENDOR DRAWINGS AS APPLICABLE.
2.	THE CONTRACTOR FOR ANY PORTION OF WORK SHALL VISIT THE SITE AND SHALL BE THOROUGHLY FAMILIAR WITH ALL THE PHYSICAL FEATURES THAT MAY AFFECT THE WORK IN ANY WAY.
3.	THE CONTRACTOR MUST FIELD CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO COMMENCEMENT OF ANY WORK.
4.	THE CONTRACTOR SHALL KEEP WORK SITES CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS DURING THE PROCESS OF CONSTRUCTION AND LEAVE THE SITE CLEAN UPON COMPLETION OF WORK OR PORTIONS OF THE WORK.
5.	CONSULTANT MUST APPROVE ALL DEVIATIONS FROM THE WORKING DRAWINGS. THE CONTRACTOR MUST KEEP AN ACCURATE RECORD OF ALL CHANGES FROM THE ORIGINAL INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS.
6.	THE LOCATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
7.	ALL AREAS DISTURBED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE WORKS SHOWN HEREIN SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AS DETERMINED BY PLANNING AND PUBLIC WORKS DEPARTMENT. ALL GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING 100mm OF TOPSOIL AND NO. 1 NURSERY SOD TO ESTABLISH A GRASS COVER TO THE SATISFACTION OF THE TOWN OF ORANGEVILLE UNLESS NOTED OTHERWISE.
8.	FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
9.	ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING: - OCCUPATIONAL HEALTH AND SAFETY ACT - ONTARIO REGULATION 213/91 - CONSTRUCTION PROJECTS - THE ONTARIO BUILDING CODE AND THE NATIONAL BUILDING CODE - THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS / DRAWINGS
10.	TOWN OF ORANGEVILLE AND REGION OF DUFFERIN COUNTY STANDARD DRAWINGS AND O.P.S.D. WITH REGIONAL AMENDMENTS FOR SANITARY SEWERS AND WATERMAINS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT.
11.	ALTERNATIVE MATERIALS MAY BE ACCEPTABLE, PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE TOWN OF ORANGEVILLE ENGINEER AND/OR THE REGIONAL COMMISSIONER OF PLANNING AND PUBLIC WORKS.
12.	NO BLASTING IS PERMITTED.
13.	ALL ELEVATIONS AND DIMENSIONS SHOWN ARE IN METERS, UNLESS NOTED OTHERWISE.
14.	ALL NEW GRADING AFFECTING EXISTING SITE FEATURES (TREES, FENCES, LANDSCAPING, FOUNDATION WALLS, RETAINING WALLS, SLABS, BELL PEDESTALS, UTILITY POLES ETC.) TO BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, LANDSCAPE AND VENDOR DRAWINGS AS APPLICABLE.
15.	PROVIDE APPROPRIATE SHORING FOR TRENCH EXCAVATION IN ACCORDANCE WITH THE LATEST REVISION OF THE OHSA GUIDELINE FOR CONSTRUCTION PROJECTS.
16.	ALL TRENCHES WITHIN EXISTING RIGHT-OF-WAY ARE TO BE BACKFILLED IN ACCORDANCE WITH TOWN OF ORANGEVILLE REQUIREMENTS.
17.	MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL BE 2.5m. MINIMUM VERTICAL CLEARANCE BETWEEN SEWERS AND WATER MAINS WHICH CROSS IS 500mm.
18.	FLEXIBLE PIPE TRENCH EXCAVATION AS PER OPSD 802.010 FOR EARTH EXCAVATION AND OPSD 802.013 FOR ROCK EXCAVATION, AS APPLICABLE
19.	GRADING IS NOT TO ADVERSELY AFFECT ADJACENT PROPERTIES.
20.	ALL WORK WITHIN MUNICIPAL RIGHT-OF-WAYS REQUIRES ROAD OCCUP. PERMIT.
21.	THE CONTRACTOR SHALL ENSURE ALL NEW AND EXISTING MANHOLES / CATCHBASINS / VALVES AND ANY OTHER APPURTENANCE WITHIN THE CONSTRUCTION AREA, TO MATCH FINISHED GRADE, AS REQUIRED.
22.	REMOVAL OF EXISTING FEATURES OF THE SITE ARE TO BE CARRIED OUT IN ACCORDANCE WITH OPSD 510 AS APPLICABLE.
23.	PRIOR TO CONCRETE INSTALLATIONS ON ANY PART OF TOWN PROPERTY (I.E. BOULEVARD AND ROAD ALLOWANCE), SITE ENGINEERING STAFF TO BE CONTACTED FOR INSPECTIONS OF CONCRETE FORMS AND FOR MONITORING CONCRETE POURS. SOILS CONSULTANTS TO PROVIDE REPORTS CONFIRMING THAT SLUMP TESTS AND COMPRESSIVE STRENGTH TESTS MEET TOWN OF ORANGEVILLE CRITERIA.
24.	ANY AREAS WITHIN R.O.W. WHICH REQUIRE FILL IN EXCESS OF 0.30m ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS MUST SHOW A MIN. COMPACTION OF 95% S.P.D.D. AT ALL DEPTHS.
25.	COMPACTION TESTS TO BE PROVIDED BY THE CONTRACTOR THROUGH A THIRD PARTY TESTING AGENCY.
26.	PROVIDE SILT FENCE PROTECTION ON ALL NEW AND EXISTING CATCH BASIN COVERS AND AROUND PERIMETER OF AREA OF WORK DURING CONSTRUCTION AND REMOVE UPON COMPLETION.
27.	NEW MAINTENANCE HOLES TO CONFORM TO OPSD 701.010 - 701.015 AS APPROPRIATE WITH TYP. MAINTANANCE HOLE BENCHING AS PER OPSD 701.021. ANY AVAILABLE TOWN OF ORANGEVILLE AND REGION OF DUFFERIN COUNTY STANDARD DRAWINGS ARE ALSO APPLICABLE.
28.	NEW CATCH BASINS TO CONFORM TO OPSD 705.010 WITH GRATES TO OPSD 400.100. ANY AVAILABLE TOWN OF ORANGEVILLE AND REGION OF DUFFERIN COUNTY STANDARD DRAWINGS ARE ALSO APPLICABLE.
32.	NEW DITCH INLET CATCH BASINS TO CONFROM TO OPSD 705.030, WITH GRATES TO OPSD 403.010. ANY AVAILABLE TOWN OF ORANGEVILLE AND REGION OF DUFFERIN COUNTY STANDARD DRAWINGS ARE ALSO APPLICABLE.
33.	THE ENGINEER'S REPRESENTATIVE SHALL BE PRESENT ON SITE DURING ALL CONSTRUCTION WITHIN THE MUNICIPAL R.O.W. ALL SUCH WORK MUST BE CERTIFIED BY THE ENGINEER UPON COMPLETION AND PRIOR TO THE RELEASE OF ANY APPLICABLE SECURITIES.
34.	THE CONTRACTOR SHALL CONTACT THE OFFICE OF INFRASTRUCTURE SERVICES TO ARRANGE A PRE-START UP MEETING BEFORE ANY WORK (ON-SITE AND OFF-SITE) BEGINS. ESC MEASURES MAY BE ISTALLED AFTER THE MEETING IF DIRECTED. NO OTHER CONSTRUCTION (SERVICING GRADING, ETC.) MAY BEGIN UNTIL THE TOWN HAS INSPECTED AND APPROVED ALL EROSION AND SEDIMENT CONTROLS. APPROVAL INCLUDES CONTROLS SHOWN ON THE PLANS, A STREET SWEEPING PROGRAM AND ANY ADDITIONAL MEASURES REQUIRED BY THE TOWN AT THAT TIME.



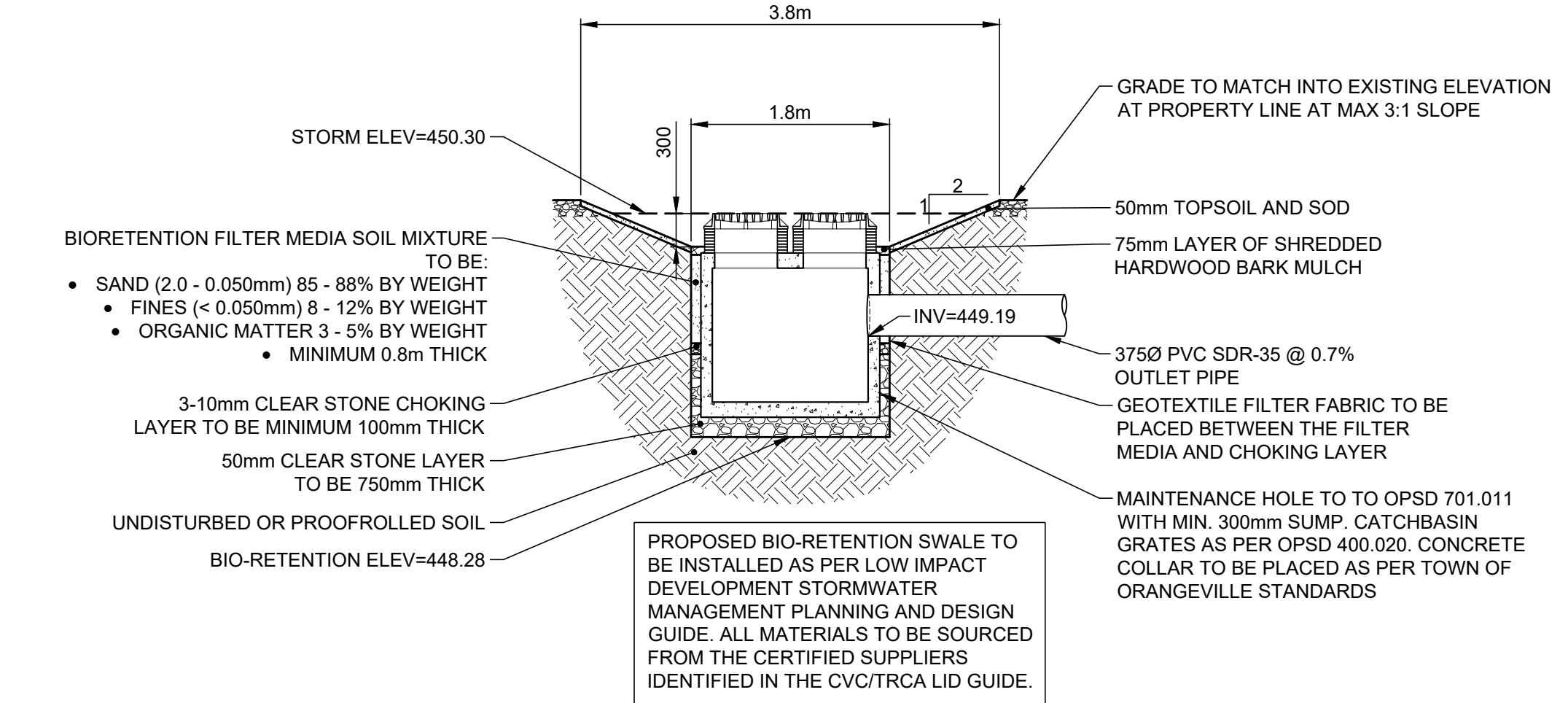
TYP. SEDIMENT TRAP

SCALE: 1:25



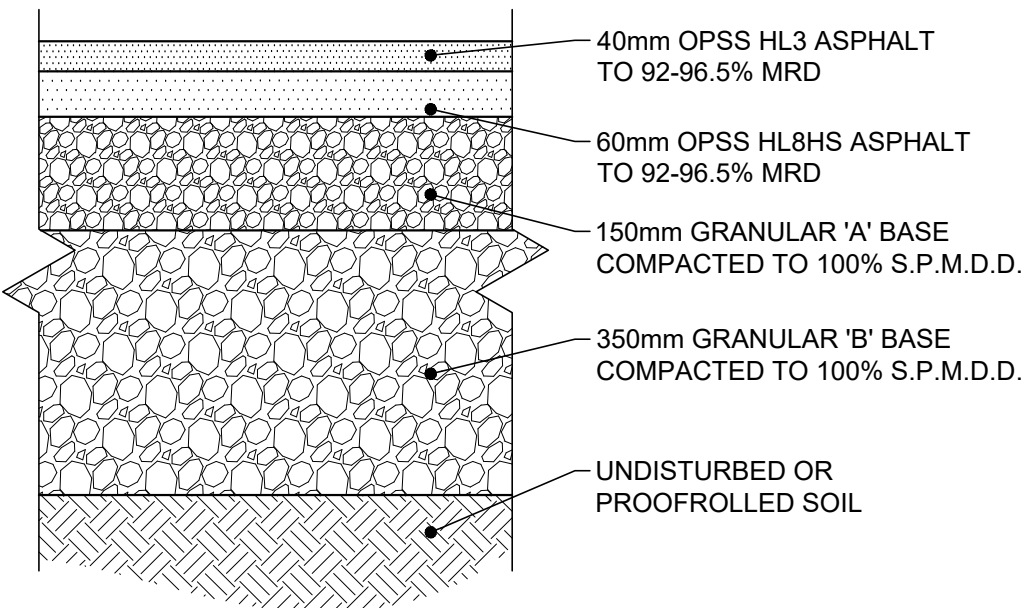
GRAVEL SURFACE DETAIL

SCALE: 1:10



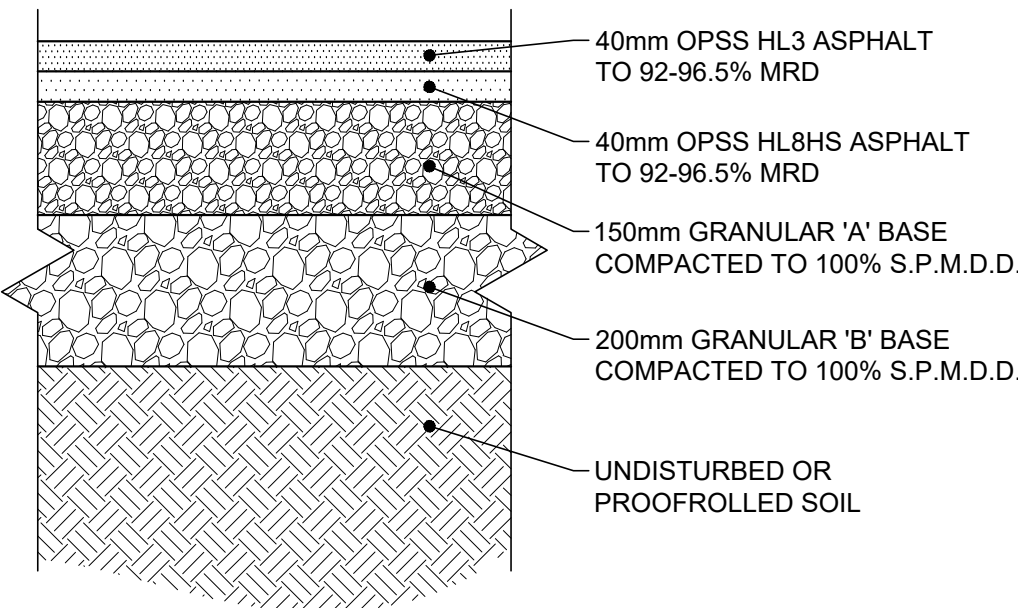
TYP. BIO-RETENTION SWALE CROSS SECTION

SCALE: 1:50



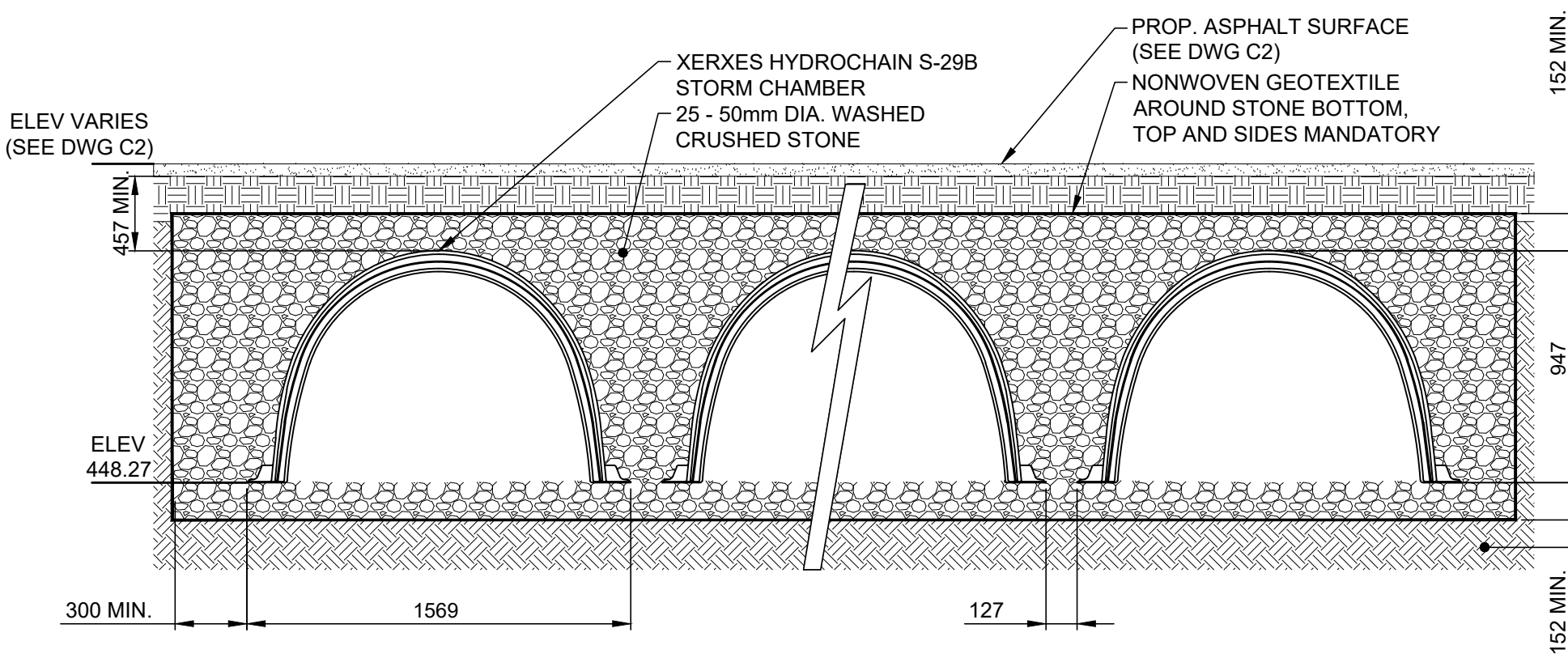
HEAVY DUTY ASPHALT DETAIL

SCALE: 1:10



LIGHT DUTY ASPHALT DETAIL

SCALE: 1:10



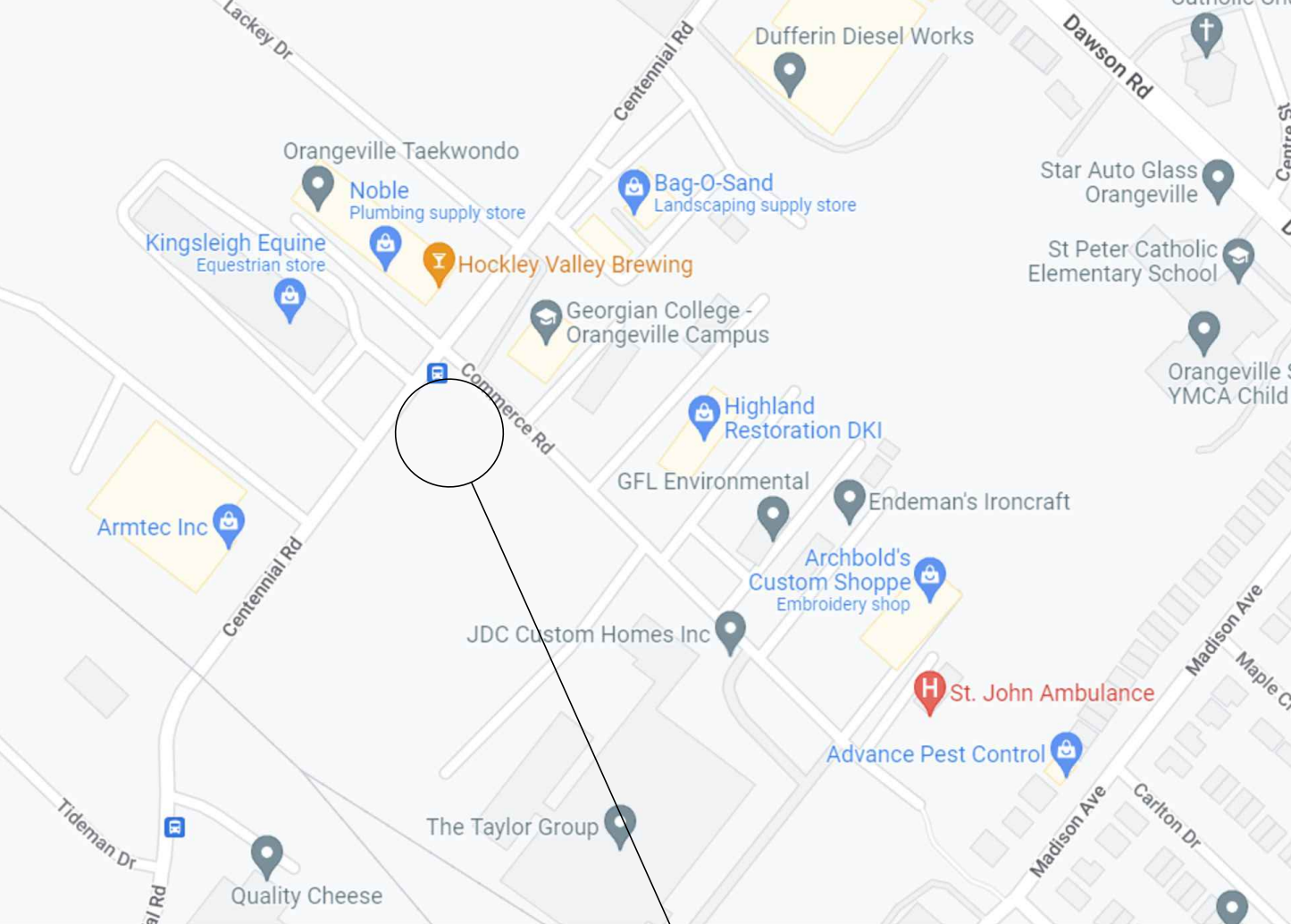
STORM CHAMBER TYPICAL DETAIL

SCALE: NTS

GENERAL NOTES

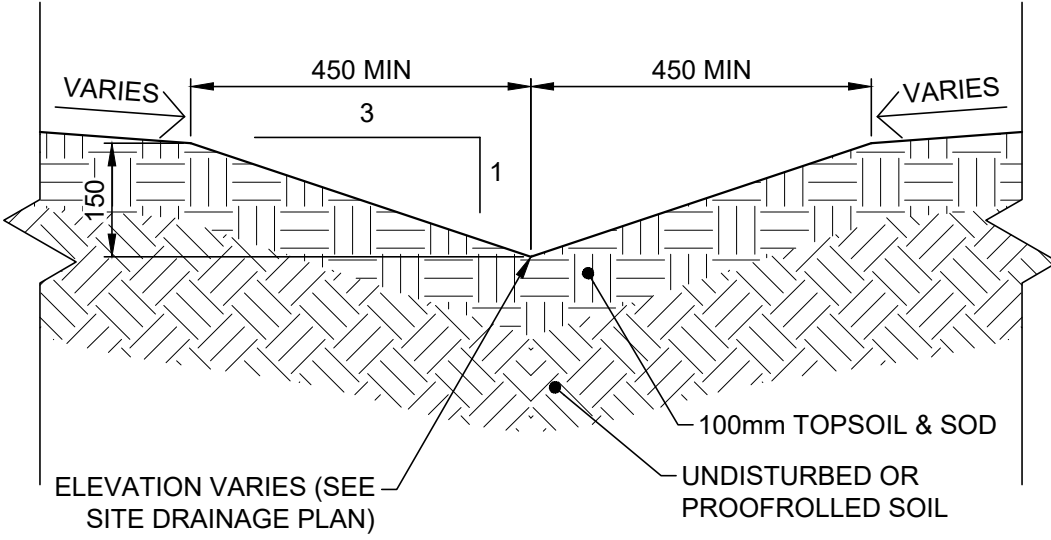
1. REFER TO TERRAFIX GEOSYNTHETICS INC'S CURRENT RECOMMENDED INSTALLATION GUIDELINES FOR XERXES HYDROCHAIN S-29B STORM CHAMBER COMPLETE WITH INSPECTION PORTS AT THE HEADER ROW.
2. INSPECTION PORTS TO BE INSTALLED WITH HDPE RISER, 914mmØX127mm THICK MINIMUM CONCRETE TOP SLAB AND OPSD 401.020 MANHOLE FRAME AND COVER AS PER THE TRITON STANDARD DETAILS DRAWING.
3. ALL XERXES HYDROCHAIN S-29B CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

THIRD PARTY SOILS CONSULTANT RESPONSIBLE FOR ENSURING THE REQUIRED BEARING CAPACITY OF SUB-GRADE SOILS (TYP.)



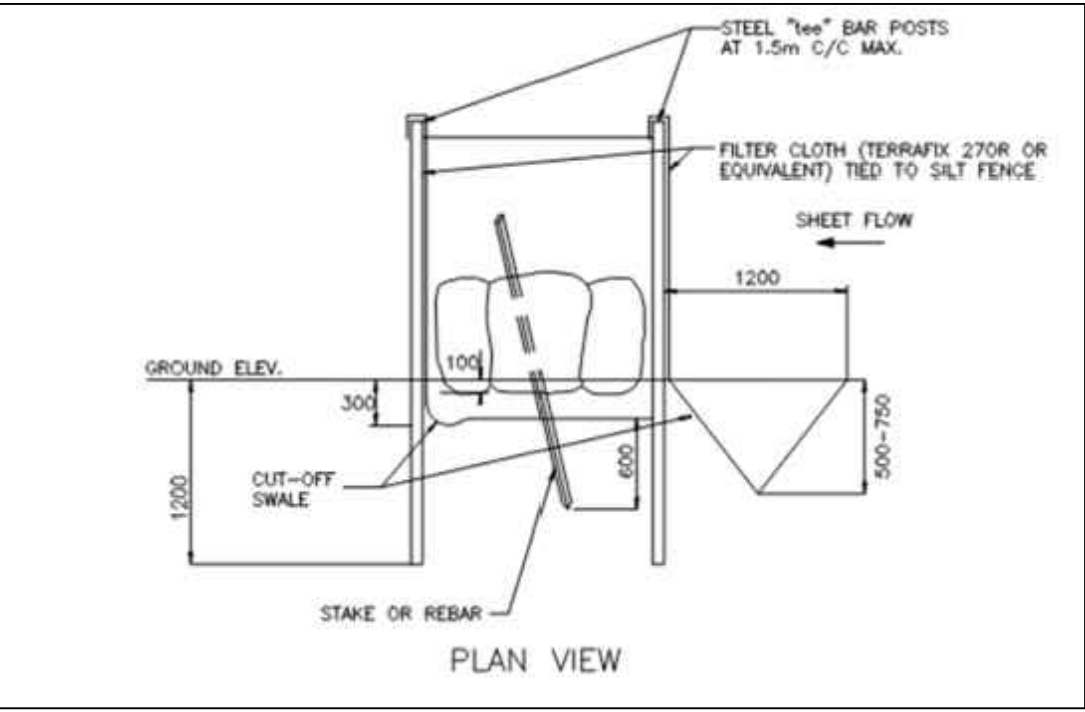
KEY PLAN

SCALE: NTS



TYP. SWALE DETAIL

SCALE: 1:10



MODIFIED HEAVY DUTY SILT FENCE DETAIL

SCALE: 1:10

HALLEX ENGINEERING LTD.
4999 Victoria Avenue,
Newmarket, ON L3Y 9K7
Tel: 905-881-1105 Fax: 905-881-1105

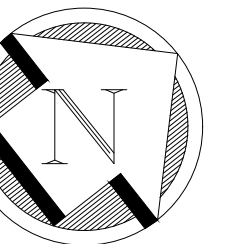
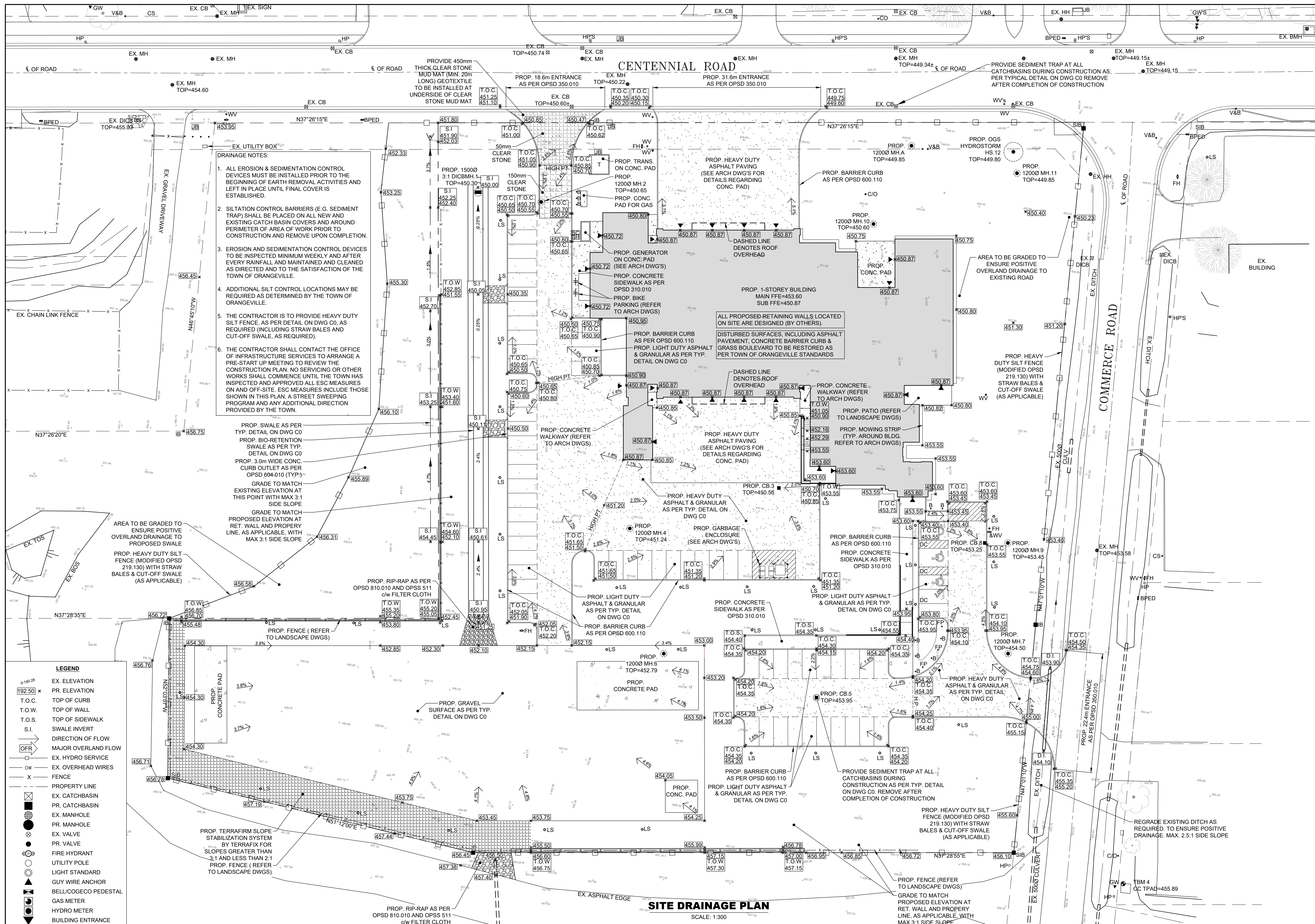
REV.	DRAWING REVISION	DATE
1	ISSUED FOR SITE PLAN APPROVAL	MAY 21, 2025
4	ISSUED FOR SITE PLAN APPROVAL	JUNE 24, 2025
5	ISSUED FOR SITE PLAN APPROVAL	JULY 30, 2025
6	ISSUED FOR TENDER	AUG 18, 2025
7	ISSUED FOR SITE PLAN APPROVAL	AUG 22, 2025
8	ISSUED FOR SITE PLAN APPROVAL	SEPT. 03, 2025
9	ISSUED FOR SITE PLAN APPROVAL / TENDER	OCT. 10, 2025

CLIENT:
ALAMO ARCHITECTURE INC.
202 - 8551 WESTON ROAD
L4L 9R4 WOODBRIDGE, ON

PROJECT:
PROPOSED ORANGEVILLE
FIRE STATION
10 COMMERCE ROAD
L9W 1P8 ORANGEVILLE, ON

SHEET TITLE:
GENERAL NOTES,
TYPICAL DETAILS
& KEY PLAN

DATE:	APRIL / 2025
SCALE:	AS SHOWN
DR. BY:	CA
CH. BY:	AI/JH
JOB No.:	220705
DWG.	REV.
C0	9



PROJECT: PROPOSED ORANGEVILLE FIRE STATION 10 COMMERCE ROAD L9W 1P8 ORANGEVILLE, ON		CLIENT: ALAIMO ARCHITECTURE INC. 202 - 8551 WESTON ROAD L4L 3R4 WOODBRIDGE, ON		DRAWING REVISION 3 ISSUED FOR SITE PLAN APPROVAL 4 ISSUED FOR SITE PLAN APPROVAL 5 ISSUED FOR SITE PLAN APPROVAL 6 ISSUED FOR TENDER 7 ISSUED FOR SITE PLAN APPROVAL 8 ISSUED FOR SITE PLAN APPROVAL 9 ISSUED FOR SITE PLAN APPROVAL / TENDER	DATE MAY 21, 2025 JUNE 24, 2025 JULY 30, 2025 AUG. 18, 2025 AUG. 22, 2025 SEPT. 03, 2025 OCT. 10, 2025
SHEET TITLE: SITE DRAINAGE PLAN		DATE: APRIL 1, 2025 SCALE: AS SHOWN DR. BY: CA CH. BY: AV/JH JOB No.: 220705		DWG. C2	REV. 9