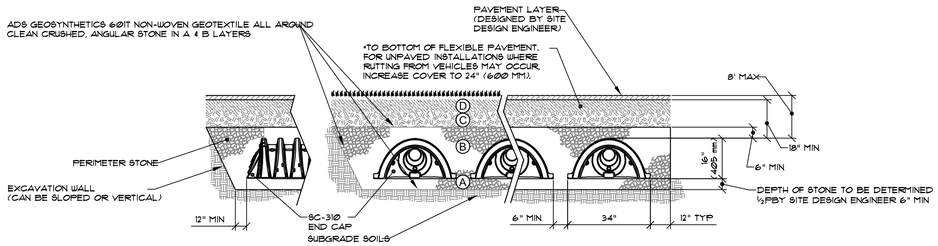


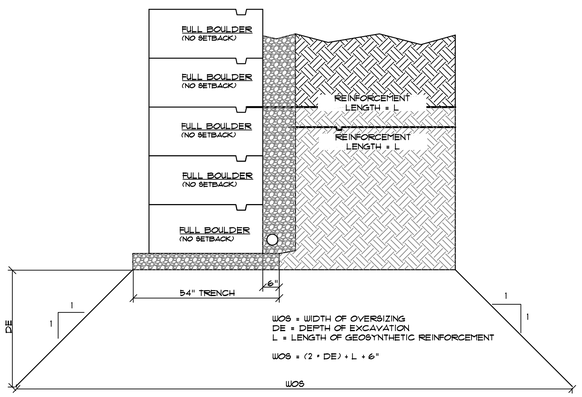
STORMTECH CHAMBER SC-310

NOT TO SCALE

1. THE STORMWATER CHAMBER SHALL BE A STORMTECH MC-3500 OR EQUIVALENT SUBSURFACE STORAGE CHAMBER APPROVED BY THE ENGINEER.
2. THE ENTIRE SUBSURFACE SYSTEM, INCLUDING THE CRUSHED STONE STORAGE VOLUME, THE FILTER MEDIA AND UNDERDRAIN MATERIALS, SHALL BE WRAPPED IN A NON-REINFORCED 30-MIL PVC LINER.
3. A STRIP OF WOVEN GEOTEXTILE THAT MEETS AASHTO M288 CLASS ONE REQUIREMENTS (MIRAFI FW404 OR EQUIVALENT) MUST BE PLACED BETWEEN THE BOTTOM OF THE CHAMBER AND ITS STONE FOUNDATION. THIS FABRIC TRAPS SEDIMENTS AND PROTECTS THE UNDERLYING CRUSHED STONE. A SECOND STRIP OF NON-WOVEN AASHTO M288 CLASS 2 GEOTEXTILE (MIRAFI 160N OR EQUIVALENT) SHALL BE DRAPED OVER THE ENTIRE LENGTH OF THE CHAMBERS. THIS FABRIC WILL ALSO TRAP SEDIMENTS AND PROVIDE SEPARATION BETWEEN THE CHAMBERS AND SURROUNDING STONE.
4. THE EMBEDMENT STONE SURROUNDING THE CHAMBERS SHALL BE A WASHED, ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4 INCH AND 2 INCH. THE BOTTOM 6 INCH LAYER OF STONE THAT ACTS AS THE FOUNDATION BELOW THE CHAMBERS SHALL BE COMPACTED TO ACHIEVE A 95% STANDARD PROCTOR DENSITY.
5. THE SAND FILTER MATERIAL SHALL BE A UNIFORM MIX, FREE OF STONES LARGER THAN 2 INCHES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS. THE MATERIAL SHALL MEET THE SPECIFICATIONS FOR MDOT AGGREGATE SAND (MDOT #703.01). HOWEVER, THIS AGGREGATE SAND SHALL BE MIXED WITH LOAM TO ACHIEVE A MATERIAL WITH BETWEEN 8% AND 10% PASSING THE #200 SIEVE. THE LOAM USED IN THIS MIXTURE SHALL HAVE A MINIMAL CLAY CONTENT. THIS 18 INCH LAYER OF SAND FILTRATION MEDIA SHALL BE PLACED TO ACHIEVE A LEVEL OF COMPACTION BETWEEN 92% AND 95% STANDARD PROCTOR DENSITY.

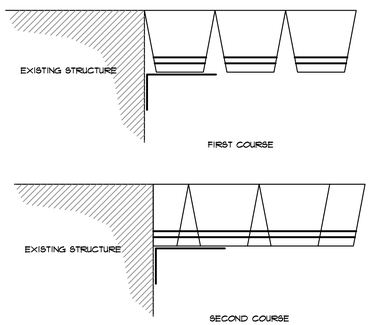
CONSTRUCTION OVERSIGHT NOTES FOR SUBSURFACE SAND FILER:

1. INSPECTIONS BY A PROFESSIONAL ENGINEER SHALL CONSIST OF WEEKLY VISITS TO THE SITE TO INSPECT THE CONSTRUCTION AND STABILIZATION OF THE PROPOSED SUBSURFACE CHAMBERS AND ITS FILTER COURSE MATERIAL TO BE BUILT ON THE SITE. INSPECTIONS SHALL CONSIST OF AN APPROPRIATE NUMBER OF VISITS TO THE SITE TO INSPECT THE INSTALLATION OF THE SUBGRADE, FILTER BED MATERIAL PLACEMENT, INSTALLATION OF STONE, ISOLATOR ROW AND CHAMBER, SURROUNDING STONE, FABRIC LAYMENT AND STORMWATER OVERFLOW BYPASS CONSTRUCTION FROM INITIAL GROUND DISTURBANCE TO FINAL PAVER PLACEMENT.



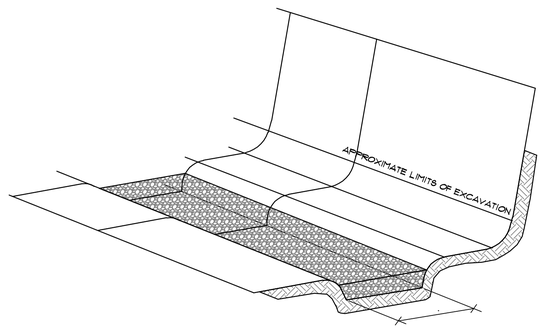
1:1 EXCAVATION OVERSIZING - REINFORCED WALLS

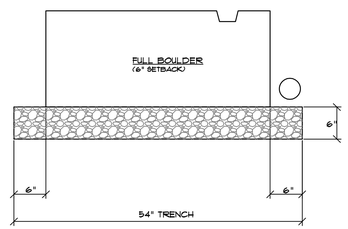
NOT TO SCALE



WALL ABUTTING EXISTING STRUCTURE

NOT TO SCALE





TYPICAL BASE PREPARATION

NOT TO SCALE

NOT FOR CONSTRUCTION

STATE OF MAINE
ROBERT A. McSORLEY
No. 8549
LICENSED
PROFESSIONAL ENGINEER

2-12-16

REV:	BY:	DATE:	STATUS:
A.	RAM	2-12-16	ISSUED TO GEOLOGIC FOR SUBMISSION

SEBAGO TECHNICS
WWW.SEBAGOTECHNICS.COM
75 John Roberts Rd., Suite 1A
South Portland, ME 04106
Tel. 207-200-2100

2 Lowell Rd., Suite B
Lewiston, ME 04240
Tel. 207-783-3566

PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
				JAR

DETAILS
OF:
97 CUMBERLAND AVENUE
97 CUMBERLAND AVENUE
PORTLAND, MAINE
FOR:
PETER DUGAS
243 STATE STREET
PORTLAND, MAINE

DATE	SCALE
03/24/14	N.T.S.

SHEET 6 OF 6

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