

Danielle Holmes, REHS/RS
 Senior Sanitarian
 Ledge Light Health District
 Dec 2, 2024

TP6 depth 70"
 0-4" Leaf litter & topsoil
 4-32" Orange to yellow brown very fine sandy loam
 32-70" Yellow brown coarse sand & gravel (50%) w/rocks
 Ledge/refusal @ 70"
 No GW
 No apparent redox
 Roots to 38"

TP7 depth 85"
 0-4" Leaf litter & topsoil
 4-23" Orange brown coarse sandy loam w/gravel
 23-85" Yellow brown layers of coarse stratified sand & gravel (40%) w/rocks
 NOTE: 23-44" was a layer of medium sand, mottled
 Ledge/refusal @ 85"
 No GW
 No apparent redox
 Roots to 20"

Perf. Testing on: 12/13/24
 PERCOLATION TEST DATA
 GERWICK-MEREEEN LLC

PT: 6
 DEPTH: 28"

TIME	MEAS. (m)	DROP (m)	RATE (min/in)
10:09	18 1/2	--	--
10:19	23	6 1/2	1.57
10:29	26 1/2	3 1/2	3.20
10:39	DRY		
10:49			

PT: 7
 DEPTH: 28"

TIME	MEAS. (m)	DROP (m)	RATE (min/in)
11:10	20 1/2	--	--
11:11	23 1/2	3	0.33
11:12	25 1/2	1 1/2	0.57
11:13	27 1/2	1 1/2	0.53
11:14	DRY		

**LOT 2
 SANITARY DESIGN CRITERIA**

- PROPOSED THREE BEDROOM. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
- 1,000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
- DESIGN PERCOLATION RATE: 10 MIN./IN.
- MINIMUM LEACHING SYSTEM SPREAD
 HF = RESTRICTIVE LAYER < 80" MLSS NOT REQUIRED
 FF = 1.5 THREE BEDROOM HOME
 PF = 1.0 PERC. RATE UP TO 10MIN./INCH
- EFFECTIVE LEACHING AREA REQUIRED PER CODE: 495 S.F.
 GST 6218 LEACHING SYSTEM DESIGN.
 EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 14 SF/LF
 MINIMUM LENGTH OF TRENCH REQUIRED: 495SF / 14 SF/LF = 35 LF
 EFFECTIVE LEACHING AREA PROVIDED:
 (1) 40' long 60" wide trenches - 14 SF/LF x 40 LF = 560 SF PROVIDED
- 100% RESERVE AREA REQUIRED AND PROVIDED.
- A BENCH MARK MUST BE SET IN THE AREA OF THE SYSTEM PRIOR AT THE TIME OF CONSTRUCTION.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

E & S plan is based on Connecticut Guidelines for Soil Erosion and Sediment Control"

Install Erosion Control silt fence as depicted on this plan
 All disturbed areas shall have erosion control installed down gradient to stop soil migration. After each rainfall event erosion control shall be inspected and repaired to insure silt fence integrity to stop silt migration off site.

Unnecessary clearing of any vegetation or ground cover will be avoided. Any disturbed area left unvegetated will be covered with a hay or straw mulch to minimize erosion material.

Following final grading, all disturbed areas will be covered with 6" loam and seeded as described below. If final grading occurs past October 15, disturbed areas will be seeded with winter rye- grass and mulched with hay or straw at a rate of 1.5 - 2 tons per acre.

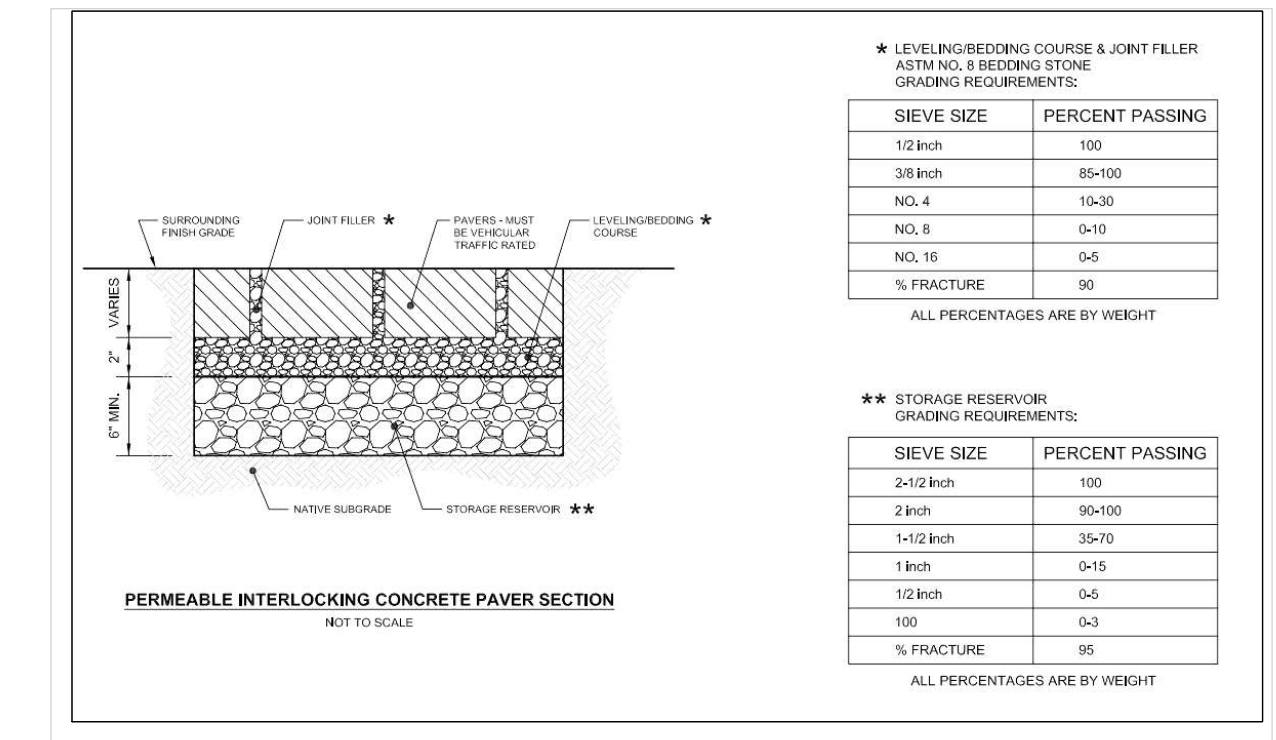
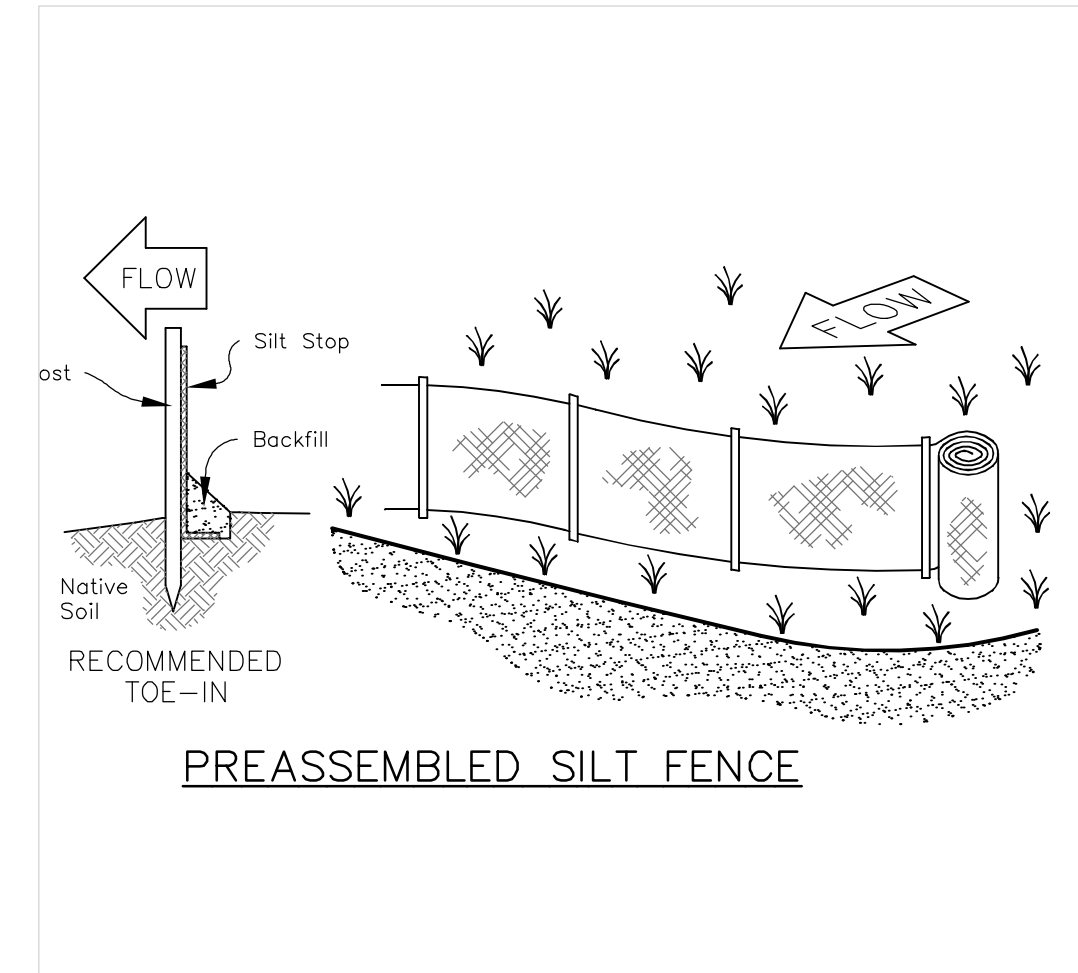
Seed Mixture	Seeding Rate	% by Wt. Lbs./Ac.
Red Fescue		75-100
Colonial Bentgrass-Exeter		5
Perennial Ryegrass		5
Birdsfoot Trefoil-Empire		15

Any proposed vegetation which has not survived one growing season will be replaced.

All suitable material excavated for roadway construction to be used elsewhere on site. Unsuitable material will be removed from the site and deposited in a suitable location.

All construction activity to occur between March 15 and October 15 to avoid adverse impacts on downstream flows.

Less than (1/2) of an acre of disturbance is proposed for each lot.



* LEVELING/BEDDING COURSE & JOINT FILLER
 ASTM NO. 8 BEDDING STONE
 GRADING REQUIREMENTS:

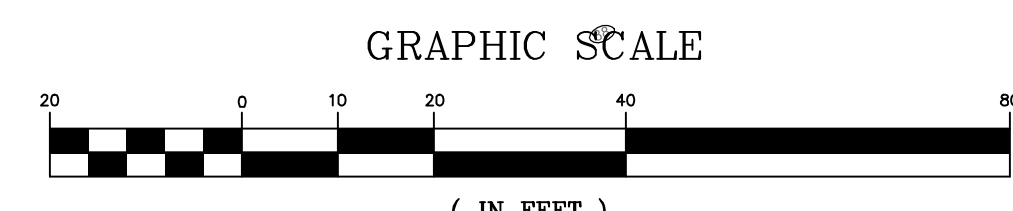
SIEVE SIZE	PERCENT PASSING
1/2 inch	100
3/8 inch	85-100
NO. 4	10-30
NO. 8	0-10
NO. 16	0-5
% FRACTURE	90

ALL PERCENTAGES ARE BY WEIGHT

** STORAGE RESERVOIR
 GRADING REQUIREMENTS:

SIEVE SIZE	PERCENT PASSING
2-1/2 inch	100
2 inch	90-100
1-1/2 inch	35-70
1 inch	0-15
1/2 inch	0-5
100	0-3
% FRACTURE	95

ALL PERCENTAGES ARE BY WEIGHT



- Legend:**
- Monument
 - Property Corner
 - Utility Pole
 - Erosion Control Silt Fence
 - Wetlands
 - Proposed Grading
 - Existing Spot Grade
 - Proposed Spot Grade
 - Stormwater Flow Direction



PLAN SHOWING
 PROPERTY OF
 PORTSIDE HOLDINGS, INC
 AND
 ENGLISH HARBOR CAPITAL PARTNERS, LLC
 TENNANTS IN COMMON
 HERITAGE ROAD
 EAST LYME, CONNECTICUT

Lot # 2
 Grading and Layout Plan

May Engineering LLC
 Civil Engineering and Site Planning
 1297 RT 163 Oakdale, CT 06370
 860 884-9671

**LAKE SHORE POINT
 SUBDIVISION**

SCALE: 1"=20'
 DATE: 06 JAN 2025 Rev 03/05/2025
 JOB NUMBER SHEET
 6 of 7