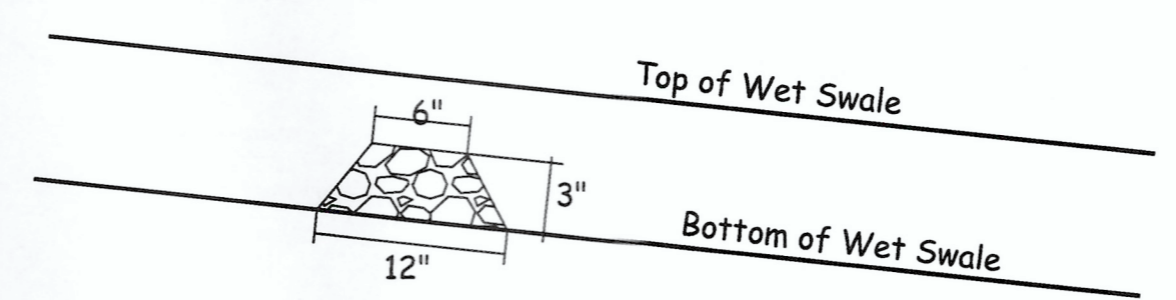


Soil Media Specification for Wet Swale  
High Organic Content with Silt and Clay comprising 60-70% by volume of Soil Media, balance of volume shall be fine sand or silt loam

Cross Section of Wet Swale  
Not to Scale



Stone Check dam - 1-1/4" washed crushed stone  
Spacing of check dams per plan

Detail of Stone Check Dam  
Not to Scale

NOTE: PROPERTY LINES WERE TAKEN FROM TOWN OF EAST HAMPTON GIS SYSTEM. TOPOGRAPHIC INFORMATION WAS OBTAINED IN THE FIELD BY DUBIEL ASSOCIATES AND TRINKAUS ENGINEERING, LLC. BENCH MARK IS SHOWN ON SITE PLAN

RESULTS OF SOIL TESTS BY TRINKAUS ENGINEERING, LLC  
DATE: NOVEMBER 28, 2018  
CLARK HILL ROAD (DT - A)  
0 - 12" TOPSOIL  
13 - 28" ORANGE BROWN FINE SAND AND SILT LOAM  
28 - 72" ORANGE BROWN MEDIUM TO FINE SAND  
LEGE > 72", NO MOTTILING, NO WATER, ROOTS TO 40"  
0 - 21" TOPSOIL  
21 - 48" ORANGE BROWN FINE SAND AND SILT LOAM  
48 - 72" ORANGE BROWN SANDY LOAM WITH LARGE ROUNDED ROCKS  
LEGE > 72", NO MOTTILING, NO WATER, ROOTS TO 48"  
BOULDER LANE (SOUTH) (DT - C)  
0 - 18" TOPSOIL  
18 - 47" ORANGE BROWN FINE SAND AND SILT LOAM  
47 - 72" ORANGE BROWN COARSE SAND AND GRAVEL  
LEGE > 72", NO MOTTILING, WATER AT 47", ROOTS TO 47"  
BOULDER LANE (NORTH) (DT - D)  
0 - 16" TOPSOIL  
16 - 48" ORANGE BROWN FINE SAND AND SILT LOAM  
48 - 71" ORANGE BROWN COARSE SAND AND GRAVEL  
LEGE > 72", NO MOTTILING, WATER AT 48", ROOTS TO 42"  
MOTT HILL ROAD (DT - E)  
0 - 12" TOPSOIL  
12 - 25" GREY BROWN COMPACT VERY SILTY SAND, SOME CLAY  
25 - 45" BROWN MEDIUM COMPACT SILTY LOAM  
LEGE > 45", MOTTILING AT 30", NO WATER, ROOTS TO 25"  
MOHICAN TRAIL (DT - F)  
0 - 13" TOPSOIL  
13 - 35" ORANGE BROWN FINE SANDY LOAM  
35 - 60" GREY BROWN MEDIUM COMPACT SILTY SAND  
60 - 73" GREY MEDIUM SAND  
LEGE > 73", NO MOTTILING, WATER AT 35", NO ROOTS

INFILTRATION TEST RESULTS  
CLARK HILL ROAD  
EQUIPMENT: TURF TECH INFILTRATOR  
DEPTH OF TEST = 23"  
TEST #1: 2 1/5 MINUTES (8 1/2"/HOUR)  
TEST #2: 1-3/4 1/5 MINUTES (7 1/2"/HOUR)  
TEST #3: 1-3/4 1/5 MINUTES (7 1/2"/HOUR)  
OLA AVENUE (DT - B)  
0 - 21" TOPSOIL  
21 - 48" ORANGE BROWN FINE SAND AND SILT LOAM  
48 - 72" ORANGE BROWN SANDY LOAM WITH LARGE ROUNDED ROCKS  
LEGE > 72", NO MOTTILING, NO WATER, ROOTS TO 48"  
BOULDER LANE (SOUTH) (DT - C)  
0 - 18" TOPSOIL  
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LEGE > 72", NO MOTTILING, WATER AT 48", ROOTS TO 42"  
MOTT HILL ROAD (DT - E)  
0 - 12" TOPSOIL  
12 - 25" GREY BROWN COMPACT VERY SILTY SAND, SOME CLAY  
25 - 45" BROWN MEDIUM COMPACT SILTY LOAM  
LEGE > 45", MOTTILING AT 30", NO WATER, ROOTS TO 25"  
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35 - 60" GREY BROWN MEDIUM COMPACT SILTY SAND  
60 - 73" GREY MEDIUM SAND  
LEGE > 73", NO MOTTILING, WATER AT 35", NO ROOTS

CONSTRUCTION SEQUENCE FOR WET SWALE SYSTEM:

- The limits of the wet swale shall be staked in the field by the contractor using the western edge of Mott Hill Road.
- The 6" Filtrexx Soxx shall be installed on the southwestern side of the Wet Swale as shown on the site plan.
- Contractor shall excavate for the Wet Swale in accordance with the elevations shown on the plan as well as the cross section shown on this plan.
- After the required subgrade has been achieved, the soil media for the Wet Swale shall be placed and a walk-behind vibratory tamper shall be used to compact the soil media to 75% Proctor Density.
- The side slopes shall be graded at this time also. A hand tamper shall be used to lightly compact the side slopes.
- The two stone check dams shall be installed in Wet Swale as shown in the plan view and in the cross section shown on this plan.
- The Wet Swale shall be seeded with New England Wetmix (Wetland Seed Mix) by New England Wetland Plants ([www.newp.com/data/2018/04/WETMIX2018.pdf](http://www.newp.com/data/2018/04/WETMIX2018.pdf)) as shown on this plan. Both the bottom of the Wet Swale and its side slopes shall be seeded with this mixture. The Grass Filter Strip shall be seeded with New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites ([www.newp.com/data/2018/08/Moist-site-mix.8132018-no-percent.pdf](http://www.newp.com/data/2018/08/Moist-site-mix.8132018-no-percent.pdf)) as specified on this plan. Both seed mixtures shall be installed in accordance with specifications provided by the seed provider.
- The Wet Swale must have vegetation established prior runoff being directed to it. After the Wet Swale has been installed, a 6" Filtrexx Soxx shall be installed across the uphill end of the Wet Swale to prevent runoff from entering until the vegetation has become established.

MAINTENANCE REQUIREMENTS FOR WET SWALE:

WET SWALES FUNCTION AT THEIR BEST WHEN THERE IS A NEW VEGETATIVE SYSTEM CONSISTING OF FACULTATIVE WETLAND PLANTS AND THERE IS A SATURATED CONDITION WITHIN THE SWALE. THESE DESIRABLE ATTRIBUTES ACTUALLY REDUCE THE MAINTENANCE REQUIREMENTS OF A WET SWALE.

- INSPECT WET SWALE TWICE A YEAR AND REMOVED WOODY DEBRIS WHICH MAY HAVE FALLEN INTO THE WET SWALE.
- THE INTRODUCTION OF COARSE AND FINE SEDIMENTS IN THE RUNOFF FROM MOTT HILL ROAD WILL HELP CREATE A WETTER ENVIRONMENT IN THE WET SWALE AND DO NOT NEED TO BE REMOVED. THE WETTER ENVIRONMENT IMPROVES THE POLLUTANT REMOVAL CAPABILITIES OF THE WET SWALE.
- HERBACEOUS VEGETATION IN THE WET SWALE DOES NOT NEED TO TRIMMED OR MAINTAINED. WOODY VEGETATION SHALL BE REMOVED BY HAND IF FOUND IN THE SWALE.

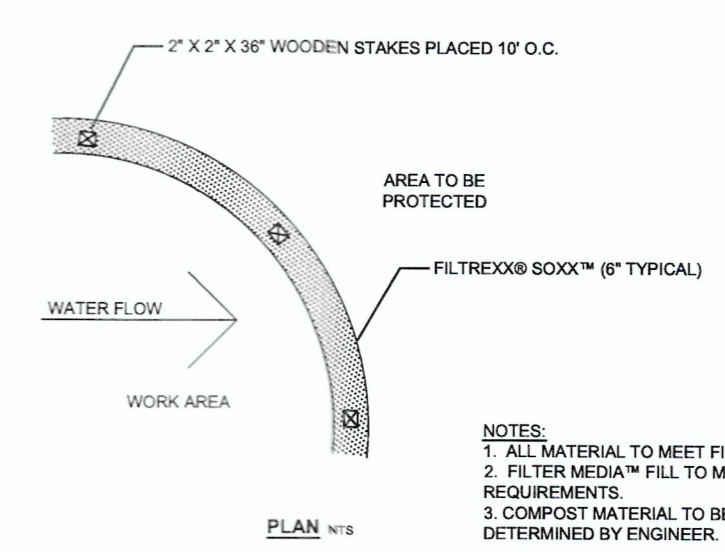
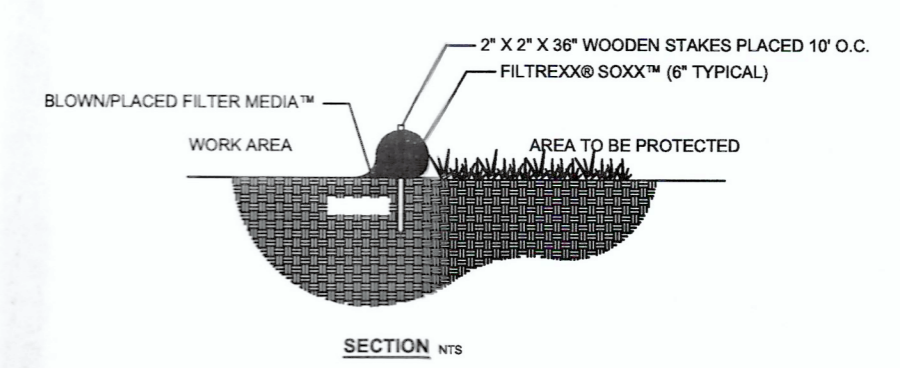
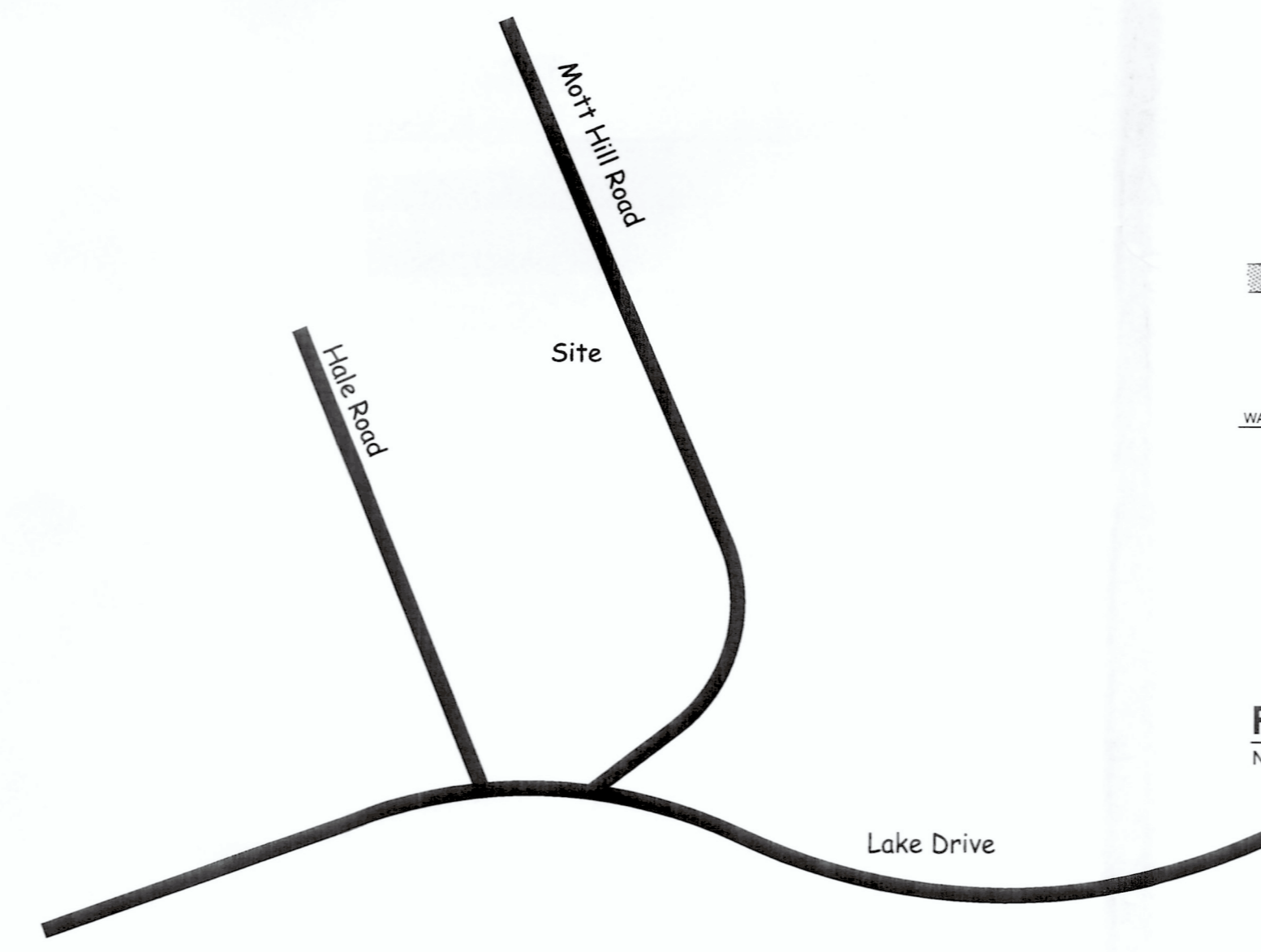
NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES:

Riverbank Wild Rye	Beggar Ticks
Little Bluestem	Spotted Joe Pye Weed
Red Fescue	Boneset
Big Bluestem	New England Aster
Switch Grass	Wool Grass
New York Ironweed	Soft Rush
Upland Bentgrass	

1 pound per 1,250 square feet (APPLICATION RATE)

NEW ENGLAND WETMIX (WETLAND SEED MIX)	
Fox Sedge	Fringed Sedge
Blunt Broom Sedge	New York Ironwood
Lurid Sedge	Soft Rush
Hop Sedge	Staved/Calico Aster
Fowl Bluegrass	Blue Flag
Beggar Ticks	American Mannagrass
Green Bulrush	Square Stemmed Monkey Flower
Swamp Milkweed	Spotted Joe Pye Weed

1 pound per 2,500 square feet (APPLICATION RATE)



NOTES:  
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.  
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.  
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX® SEDIMENT CONTROL  
NTS

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LOW IMPACT + SUSTAINABLE  
LSD  
DEVELOPMENT  
TRINKAUS ENGINEERING

LISD STORMWATER RETROFITS  
SHEET 3 of 4  
PROJECT #037-2018  
SCALE: 1" = 10'  
DATE: 5/14/19

PREPARED FOR  
TOWN OF EAST HAMPTON  
MOTT HILL ROAD  
EAST HAMPTON, CONNECTICUT