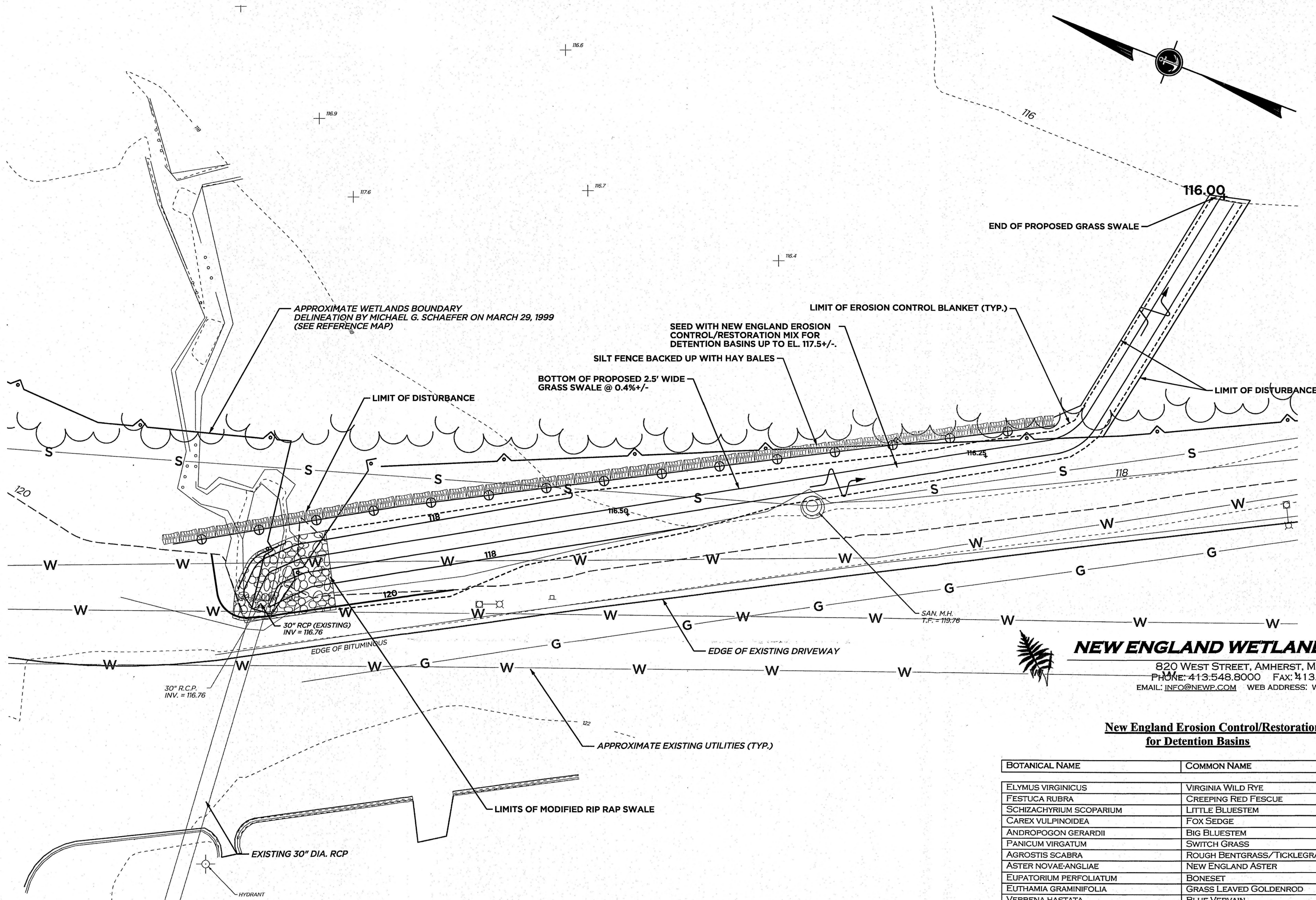




NEW ENGLAND WETLAND PLANTS, INC

820 WEST STREET, AMHERST, MA 01002
 PHONE: 413.548.8000 FAX: 413.549.4000
 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix for Detention Basins

BOTANICAL NAME	COMMON NAME	IND.
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	FACW-
FESTUCA RUBRA	CREeping RED FESCUE	FACU-
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	FACU
CAREX VULPINOIDEA	FOX SEDGE	OBL
ANDROPOGON GERARDII	BIG BLUESTEM	FAC
PANICUM VIRGATUM	SWITCH GRASS	FAC
AGROSTIS SCABRA	ROUGH BENTGRASS/TICKLEGRASS	FAC
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	FACW-
EUPATORIUM PERFORIATUM	BONESET	FACW
EUTHAMIA GRAMINIFOLIA	GRASS LEAVED GOLDENROD	FAC
VERBENA HASTATA	BLUE VERVAIN	FACW
SCIRPUS ATROVIRENS	GREEN BULRUSH	OBL
JUNCUS EFFUSUS	SOFT RUSH	FACW+
SCIRPUS CYPERINUS	WOOL GRASS	FACW

PRICE PER LB. \$26.00
 MIN. QUANTITY: 3 LBS.
 TOTAL \$78.00
 APPLY: 35 LBS./ACRE
 MINIMUM QUANTITY: 3 LBS

The New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an excellent seed mix for ecologically appropriate restorations on moist sites that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not normally hold standing water. Some plants in this mix can tolerate infrequent inundation, but not constant flooding. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Early-Mid Summer seeding will benefit with a light mulching of clean weed-free straw to conserve moisture. If conditions are drier than usual, watering will be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not recommended. Preparation of a clean weed free seed bed is necessary for optimal results.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged.
 Price is \$/bulk pound. FOB warehouse, plus S&H and applicable taxes.



THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES: "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT". IT IS A TOPOGRAPHIC SURVEY, CONFORMING TO TOPOGRAPHIC ACCURACY 1-2.
 TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
 MAREK KEMENY, C.T. No. 22894
 ANY ORIGINAL OR DUPLICATE OF THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE SURVEYOR WHOSE REGISTRATION APPEARS ABOVE NO OTHER CERTIFICATION OR WARRANTY IS EXPRESSED OR IMPLIED.

EROSION & SEDIMENTATION CONTROL NOTES:

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE TOWN PRIOR TO CONSTRUCTION.
2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", DATED 2002, AS AMENDED AND THE TOWN REGULATIONS.
3. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED OR REPLACED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD AS NECESSARY OR AS REQUIRED BY THE ENGINEER OR TOWN.
4. ALL ON-SITE EROSION AND SEDIMENT CONTROLS ARE REQUIRED TO BE INSPECTED WITHIN 24-HOURS AFTER A RAIN EVENT OF AT LEAST A HALF-INCH, AND MAINTAINED, REPLACED OR INCREASED AS REQUIRED BY SPECIFIC FIELD CONDITIONS.
5. SEDIMENT REMOVED FROM ANY CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
6. ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY OR REQUIRED BY THE ENGINEER OR TOWN.
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING ALL EROSION AND SEDIMENTATION CONTROL DEVICES AS SHOWN ON THESE PLANS OR AS ORDERED BY THE ENGINEER.
8. AREAS OUTSIDE OF RIP RAP SWALE ARE TO RECEIVE A MINIMUM 4" OF TOPSOIL.
9. THE FOLLOWING DATES FOR SEEDING SHALL BE USED:
 SPRING: APRIL 15 TO JUNE 15
 FALL: AUGUST 15 TO SEPTEMBER 15
10. THE FOLLOWING GRASS SEED MIXTURES SHALL BE APPLIED AT A RATE NO LESS THAN 100 LBS. PER ACRE:

SPECIES	PROPORTION BY WEIGHT (POUNDS)	MINIMUM PURITY (PERCENT)	MINIMUM GERMINATION (PERCENT)
CREeping RED FESCUE (FESTUCA REBRA)	50	98	85
K-31 TALL FESCUE (FESTUCA ARUNDINACEA VAR. KENTUCKY 31)	20	98	85
PERENNIAL RYE GRASS (LOLIUM PERENNE)	25	98	90
ALSIKE CLOVER (TRIFOLIUM HYBRIDUM)	5	96	85

11. TEMPORARY GRASS SEEDING, IF NECESSARY, SHALL BE PERENNIAL RYE GRASS (LOLIUM PERENNE) APPLIED AT A RATE OF 100 LBS. PER ACRE.

EROSION & SEDIMENTATION CONTROL PLAN:

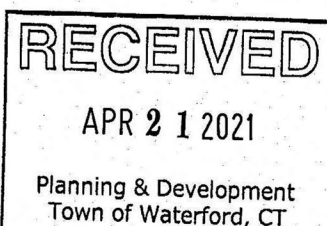
1. PROJECT IS ANTICIPATED TO BEGIN IN SUMMER 2021 AND BE COMPLETED WITHIN ONE MONTH WEATHER PERMITTING.
2. A PRE-CONSTRUCTION MEETING WITH TOWN STAFF (IE. TOWN PLANNER/ENVIRONMENTAL PLANNER) IS REQUIRED PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES. CONTRACTOR TO COORDINATE. RESPONSIBLE PARTIES TO BE IDENTIFIED AND EMERGENCY CONTACT INFORMATION TO BE PROVIDED AT SAID MEETING.
3. EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL KEEP THE AREA OF DISTURBANCE TO A MINIMUM AND ESTABLISH VEGETATION AND/OR COVER AS SOON AS PRACTICAL. ALL SOIL AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THESE PLANS AND THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL". THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
5. CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE TOWN STAFF.
6. CLEARING AND GRUBBING OF THE AREAS SHALL BE DONE AS SHOWN. TOPSOIL OR EXCAVATION MATERIAL TO BE REMOVED AND STOCKPILED SHALL BE DONE IN LOCATIONS AS APPROVED, OUTSIDE OF WETLAND REGULATED AREAS.
7. ALL DISTURBED AREAS OUTSIDE OF THE RIP RAP SWALE SHALL BE SEEDING AND MULCHED.
8. BMP, BEST MANAGEMENT PRACTICES (BMP), SHALL BE UTILIZED AT THE SITE TO ENSURE THAT NO LITTER, DEBRIS, BUILDING MATERIALS, OR SIMILAR MATERIALS ARE DISCHARGED TO WATERS OF THE STATE. THE SITE SHALL BE KEPT NEAT AND CLEAN AFTER EACH WORK DAY. A CONSTRUCTION WASTE DUMPSTER SHALL BE PROVIDED FOR PROPER DISPOSAL OF WASTE MATERIALS. IF NECESSARY, A PORTABLE SANITARY FACILITY SHALL BE PROVIDED AND MAINTAINED AT THE SITE DURING CONSTRUCTION.

SEQUENCE OF CONSTRUCTION:

1. COORDINATE AND COMPLETE A PRE- CONSTRUCTION MEETING WITH TOWN. RESPONSIBLE PARTIES TO BE IDENTIFIED AND EMERGENCY PHONE NUMBERS PROVIDED.
2. INSTALL EROSION CONTROL MEASURES AT LOCATIONS INDICATED ON PLANS.
3. CLEAR AND GRUB AS NECESSARY.
4. EXCAVATE AND ROUGH GRADE SWALE AREA.
5. FINE GRADE AND INSTALL RIPRAP SWALE.
6. FINE GRADE AND INSTALL GRASS SWALE.
7. APPLY PERMANENT SEEDING AND MULCH.
8. REMOVE SEDIMENT BARRIERS WHEN PERMANENT VEGETATIVE COVER IS ESTABLISHED.

MAP REFERENCE

1. SITE DEVELOPMENT PLAN OF WATERFORD MUNICIPAL COMPLEX 100 HARTFORD TURNPIKE, WATERFORD, CT 06385, PREPARED FOR TOWN OF WATERFORD, 15 ROPE FERRY ROAD WATERFORD, CT 06385 DATE: DECEMBER 13, 2017, REVISED THRU 3/12/18. SCALE: AS SHOWN. BY: ANCHOR ENGINEERING SERVICES, INC.

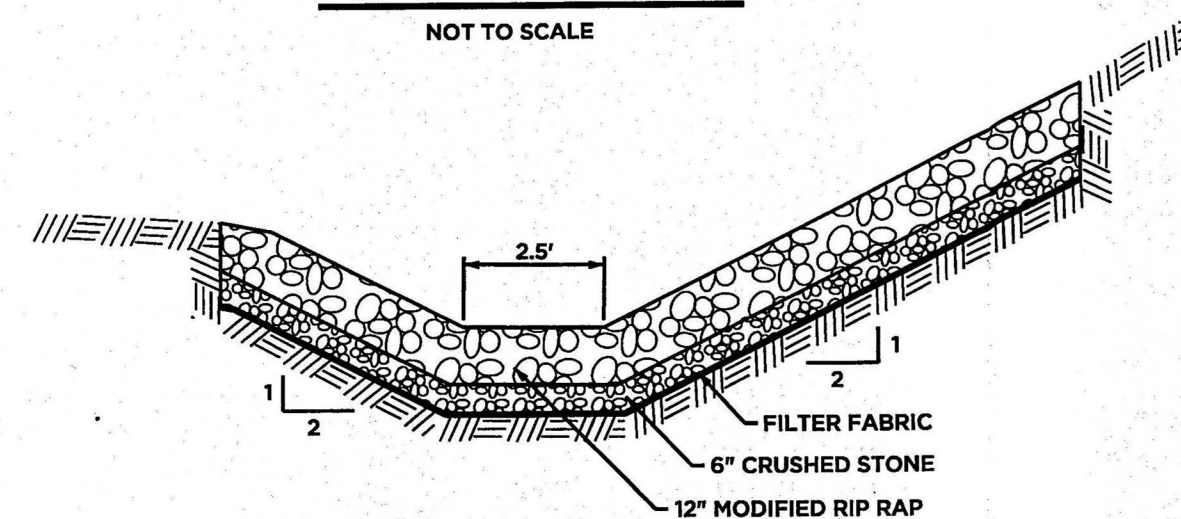


PERMIT PLAN SET NOT RELEASED FOR CONSTRUCTION

 41 Sequin Drive Glastonbury, CT 06033 Phone: (860) 633-8770 Fax: (860) 633-5971 www.bartloguidice.com		Civil Engineering • Environmental Consulting • Land Surveying • Construction Management	
		PROJ. ENGINEER DPL PROJ. MANAGER MLK OFFICE REVIEW MLK	
REVISIONS		DRAINAGE IMPROVEMENT PREPARED FOR TOWN OF WATERFORD MUNICIPAL COMPLEX	
SCALE: 1"= 10'		1000 HARTFORD TURNPIKE WATERFORD, CT PROJECT DATE 3261-46 04/20/21 SHEET NO. 1 OF 1	

SWALE DETAIL

NOT TO SCALE



RIP RAP SWALE DETAIL

NOT TO SCALE

WETLAND/WATERCOURSE PROTECTION

NOT TO SCALE

