

SLOPE STABILIZATION GENERAL NOTES

- SLOPES SHALL BE PREPARED BY REMOVING LOOSE ROCKS AND DEBRIS. CARE SHOULD BE TAKEN TO MINIMIZE DISTURBANCE OF EXISTING TREES.
- PLACE 9"-12" OF LOAM OVER ENTIRE AREA TO COVER EXISTING ROOTS AND TO AUGMENT EXISTING POOR SOILS.
- USE AN APPLICATION OF NEW ENGLAND CONTROL/ RESTORATION MIX FOR DRY SITES The New England Erosion Control/Restoration Mix For Dry Sites provides an appropriate selection of native and naturalized grasses to ensure that dry and recently disturbed sites will be quickly re-vegetated and the soil surface stabilized. It is an appropriate seed mix for road cuts, pipelines, steeper slopes, and areas requiring quick cover during the ecological restoration process. 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 soil seed contact. Best results are obtained with a Spring or late Summer seeding. Late Spring through Mid-Summer seeding will benefit from a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering will be required. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free seed bed is necessary for optimal results.
- COVER NEWLY SEEDED SOIL WITH ECSC-2B DOUBLE NET STRAW/COCONUT BIODEGRADABLE ROLLED EROSION CONTROL PRODUCT BY EAST COAST EROSION CONTROL OR APPROVED EQUIVALENT.
- PLACE COIR (COCONUT) FIBER LOGS 10'-12', STAKE IN TO POSITION WITH WOOD STAKES - 10'-12' LONG, 100% coconut fiber "logs" with biodegradable netting. Coir fiber logs combined with appropriate plant installation have proven to be one of the most efficient and cost-effective methods to stabilize the banks of ponds, streams, rivers, and along the coast. Installation is easily accomplished with either earth anchors or wooden stakes and suitable plant material. Functional longevity 2-4 years depending upon site conditions. Available in 9", 12" and 16" diameters, both regular/standard and dense/premium fill. These logs work because they fill with soil deposited from up-slope which provides a suitable medium for plant root growth. Roots then fill the coir/soil medium as the coir begins to degrade, and ultimately the roots provide the stability to hold the soil in place and stop erosion. Plant installation is an integral part of the efficacy of coir logs.
- MARK ALL TREES 2" AND LARGER TO BE REMOVED FIVE WORKING DAYS BEFORE PLANNED REMOVAL. NOTIFY ENGINEERING DEPARTMENT ON THE DAY OF MARKING. THIS SHALL BE DONE DURING PHASE II.
- At minimum hydroseed with New England Control/Restoration Mix for Dry Sites on all unstabilized surfaces outside of the immediate construction zone by Sept 15.

SLOPE STABILIZATION DURING CONSTRUCTION - GENERAL NOTES:

PHASE I - INSTALL STRAW WATTLES w/ SILT FENCE ALONG DOWN GRADIENT PERIMETER OF SITE AS INDICATED ON PLAN.

PHASE II - MARK ALL BOULDERS (12" AND LARGER) TO BE RELOCATED FIVE WORKING DAYS PRIOR TO RELOCATION, NOTIFY ENGINEERING DEPT. UPON MARKING. REMOVE ALL BOULDERS AND LARGE STONES THAT POTENTIALLY COULD BECOME DISLODGED AND EITHER REMOVE OR PLACE CAREFULLY ON BASE SLOPES OF 10:1 OR LESS. BE CAREFUL TO MINIMIZE IMPACTS TO EXISTING STONE WALLS ALONG PERIMETER OF SITE. MARK ALL TREES 2" AND LARGER TO BE REMOVED FIVE WORKING DAYS BEFORE PLANNED REMOVAL. NOTIFY ENGINEERING DEPARTMENT ON THE DAY OF MARKING. REMOVE DEBRIS AND MARKED TREES.

PHASE III - KEEP EXISTING RETAINING WALL INTACT TO THE EXTENT PRACTICABLE AND CONSTRUCT 6' TO 8' OF NEW RETAINING WALL. IF EROSION BECOMES AN ISSUE DOWN GRADIENT OF NEW RETAINING WALL, EROSION CONTROL MATS SHALL BE PLACED ADJACENT TO NEW WALL. KEEP AT LEAST 50LF OF STRAW WATTLES AND SILT FENCING, AND 100SF OF EROSION CONTROL MATS ON SITE FOR REPAIRS DURING CONSTRUCTION. INSTALL THE PHASE V PERMANENT EROSION CONTROL MEASURES OUTSIDE OF THE RETAINING WALL LIMITS OF WORK AT START OF PHASE III.

PHASE IV - THE NEW PARTIALLY CONSTRUCTED RETAINING WALL WILL ACT AS BARRIER AGAINST EROSION WITHIN THE SITE. SEQUENCE CONSTRUCTION OF RETAINING WALL WITH INSTALLATION OF FOOTINGS FOR PROPOSED FOUNDATIONS.

PHASE V - INSTALL THE PERMANENT EROSION CONTROL OUTSIDE OF THE RETAINING WALL LIMITS OF WORK PRIOR TO PHASE III. IMMEDIATELY FOLLOWING THE COMPLETION OF THE RETAINING WALL IN PHASE III, COMPLETE THE PERMANENT EROSION CONTROL UP TO THE BASE OF NEWLY INSTALLED RETAINING.

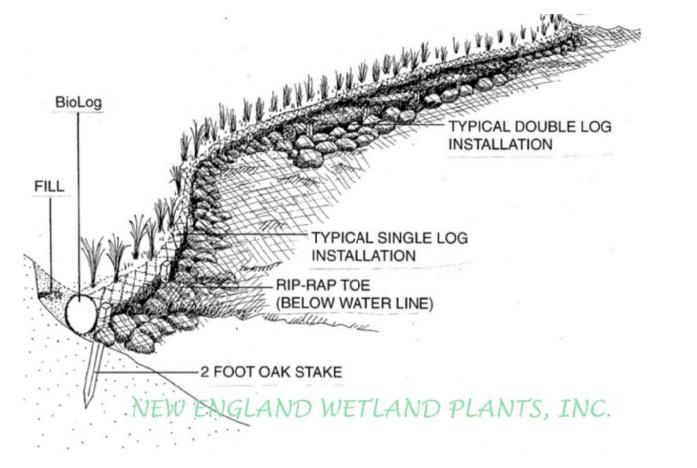
Hardwood stakes for securing straw wattles and coir logs in position. 2" x 2" x 36" hardwood (for coir logs)

2" x 2" x 48" hardwood (for coir logs)

1" x 1" x 36" hardwood (for straw wattles)

ROLLING BLANKET



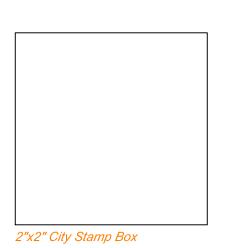


Erosion Control Plan

21 Eastman Rd.

SOMERVILLE





REFERENCES

Survey: Summit Surveying, INC., "Topographic Plan of Land", January 22, 2018 Architecture: Peter Quinn Architects, LLC

MATERIALS:

STORM DRAIN: 6" PVC SCH. 40 SIZE AS NOTED ON PLANS ROOF DRAINS: PVC SCH 40 (4" UNLESS OTHERWISE NOTED) 1.5" WATER SERVICE - COPPER (TYPE K)

MIN. 5' BELOW GRADE

#1 8-28-18 Somerville Engineering Comments

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#2	8-31-18	Somerville Engineering Comments
#3	9-09-18	Somerville Engineering Comments

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