

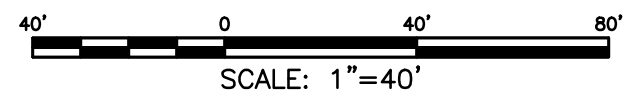
THE NEW ENGLAND CONSERVATION/WILDLIFE MIX PROVIDES A PERMANENT COVER OF GRASSES, WILDFLOWERS, AND LEGUMES. FOR BOTH GOOD EROSION CONTROL AND WILDLIFE HABITAT VALUE. THE MIX IS DESIGNED TO BE A NO MAINTENANCE SEEDING, AND IS APPROPRIATE FOR CUT AND FILL SLOPES, DETENTION BASIN SIDE SLOPES, AND DISTURBED AREAS ADJACENT TO COMMERCIAL AND RESIDENTIAL PROJECTS.

SPECIES: VIRGINIA WILD RYE (ELYMUS VIRGINICUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM (ANDROPOGON GERARDII), RED FESCUE (FESTUCA RUBRA), SWITCH GRASS (PANICUM VIRGATUM), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), PANICLEDEAF TICK TREFOIL (DESMODIUM PANICULATUM), INDIAN GRASS (SORGHASTRUM TANS), BLUE JERNAIN VERBENA (VERBENA MEXICANA), BLUE ASCLEPIAS (ASCLEPIAS GLAUCA), BLACK EYED SUSAN (RUBECALIA HIRTA), COMMON SNEEZEWEED (HELENIUM AUTUNALE), HEATH ASTER (ASTERILOPUS/SYMPHYOTRICHUM PILOSUM), EARLY GOLDENROD (SOLIDAGO JUNCEA), UPLAND BENTGRASS (AGROSTIS PERENNANS).

THE NEW ENGLAND WETMIX (WETLAND SEED MIX) CONTAINS A WIDE VARIETY OF NATIVE SEEDS THAT ARE SUITABLE FOR MOST WETLAND RESTORATION SITES THAT ARE NOT PERMANENTLY FLOODED. ALL SPECIES ARE BEST SUITED TO MOIST GROUND AS FOUND IN MOST WET MEADOWS, SCRUB SHRUB, OR FORESTED WETLAND RESTORATION AREAS. THE MIX IS WELL SUITED FOR DETENTION BASIN BORDERS AND THE BOTTOM OF DETENTION BASINS NOT GENERALLY UNDER STANDING WATER. THE SEEDS WILL NOT GERMINATE UNDER INUNDATED CONDITIONS. IF PLANTED DURING THE FALL MONTHS, THE SEED MIX WILL GERMINATE THE FOLLOWING SPRING. DURING THE FIRST SEASON OF GROWTH, MOST SPECIES WILL PRODUCE SEEDS WHILE OTHER SPECIES WILL PRODUCE SEEDS AFTER THE SECOND GROWING SEASON. NOT ALL SPECIES WILL GROW IN ALL WETLAND SITUATIONS. THIS MIX IS COMPRISED OF THE WETLAND SPECIES MOST LIKELY TO GROW IN CREATED/RESTORED WETLANDS AND SHOULD PRODUCE MORE THAN 75% GROUND COVER IN TWO FULL GROWING SEASONS.

SPECIES: FOX SEDGE (CAREX VULPINOIDEA), LURID SEDGE (CAREX LURIDA),
BLUNT BROOM SEDGE (CAREX SCOPARIA), BLUE VERVAIN (VERBENA HASTATA),
FOWL BLUEGRASS (POA PALUSTRIS), HOP SEDGE (CAREX LUPULINA), GREEN
BULRUSH (SCIRPUS ATROVIRENS), CREEPING SPIKE RUSH (ELEOCHARIS
PALUSTRIS), FRINGED SEDGE (CAREX CRINITA), SOUTHERN JUNCUS
(JUNCUS ERUS), RED JOEY WEED (EUPHORBIA MACULATA),
RATTLESHAKE GRASS (GLYCERIA CARADENSIS), SWAMP ASTER (ASTER
PUNICEUS), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS
INCARNATA), SQUARE STEMMED MONKEY FLOWER (MIMULUS RINGENS).

1. ALL SEDIMENTATION AND EROSION CONTROLS WILL BE INSPECTED BY A QUALIFIED INSPECTOR BEFORE THE RESTORATION WORK BEGINS.
2. TEMPORARY DEVICES AND STRUCTURE TO CONTROL EROSION AND SEDIMENTATION IN AND AROUND RESTORATION SITES SHALL BE PROPERLY MAINTAINED AT ALL TIMES. THE DEVICES AND STRUCTURES SHALL BE DISASSEMBLED AND DISPOSED OF NO LATER THAN NOVEMBER 1, THREE FULL GROWING SEASONS AFTER PLANTING. SEDIMENTS COLLECTED BY THESE DEVICES WILL BE REMOVED AND PLACED UPLAND IN A MANNER THAT PREVENTS ITS TRANSPORT INTO A WETLAND OR WATERWAY.
3. MILLINGS WILL BE STRIPPED FROM THE RESTORATION AREA AND STOCKPILED ON SITE FOR LATER RE-USE ON SITE IF NECESSARY.
4. THE FILL ADJACENT TO WETLAND FLAGS WF-2 THROUGH WF-10 AREA SHALL BE RE-WED AND ANY REMAINING COMPACTED SOIL WILL BE SCARIFIED AND WILL BE SEEDED AS DIRECTED BY THE ON-SITE WETLAND SCIENTIST AND AMENDED WITH 3 INCHES OF LEAF COMPOST.
5. ALL WETLAND AREAS WILL BE SEEDED WITH NEW ENGLAND WETMIX (NEW ENGLAND PLANTS, INC., AMHERST. MA, PH 413-256-1752) OR EQUIVALENT AT 1 LB PER 2500 S.F.
6. ALL UPLAND AREAS WILL BE SEEDED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX (NEW ENGLAND PLANTS, INC., AMHERST. MA, PH 413-256-1752) OR EQUIVALENT AT 1 LB PER 1750 S.F.
7. PLANTING AND SEEDING WILL TAKE PLACE IN THE SPRING OR FALL PLANTING PERIODS TO MAXIMIZE PLANT SURVIVAL AND SEED GERMINATION.
8. NO EQUIPMENT WILL BE STAGED IN THE EXISTING WETLANDS. EQUIPMENT WILL BE USED IN THE RESTORATION AREA ONLY AS NECESSARY FOR REMOVAL OF FILL AND GRADING.
9. TO REDUCE THE IMMEDIATE THREAT AND MINIMIZE THE LONG-TERM POTENTIAL OF DEGRADATION ONLY PLANT MATERIALS NATIVE AND INDIGENOUS TO THE REGION SHALL BE USED. SPECIES NOT SPECIFIED IN THE MITIGATION PLAN SHALL NOT BE USED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
10. A CERTIFIED SOIL SCIENTIST OR QUALIFIED WETLAND SCIENTIST WILL OVER-SEE THE MITIGATION WORK.
11. A CERTIFIED SOIL SCIENTIST OR QUALIFIED WETLAND SCIENTIST WILL LOCATE THE SITES FOR PLANTING THE SHRUBS AND TREES, SHRUBS AND TREES TO BE PLANTED BETWEEN SEPTEMBER 15 AND OCTOBER 14, 2022.
12. RESTORATION TO BE COMPLETED BY OCTOBER 14, 2022.
13. THE SITE WILL BE MONITORED FOR 2 YEARS FOLLOWING THE COMPLETION OF WORK AND CONTROLLED FOR INVASIVE SPECIES.



Restoration Area Planting Schedule			
Name	NWI Wetland Indicator Status	Quantity	Size
Trees			
Ar - Red maple (<i>Acer rubrum</i>)	Facultative Wetland	10	1" Caliper
Qp - Pin oak (<i>Quercus palustris</i>)	Facultative Wetland	10	1" Caliper
Shrubs			
Wh - Winterberry holly (<i>Ilex verticillata</i>)	Facultative Wetland	12	1 Gallon
Av - Arrowwood vibunum (<i>Viburnum recognitum</i>)	Facultative Wetland (-)	12	1 Gallon
Ac – <i>Amelanchier canadensis</i>	Facultative Wetland	14	1 Gallon
Am – <i>Aronia melanocarpa</i>	Facultative Wetland	10	1 Gallon
Vc - Highbush blueberry (<i>Vaccinium corymbosum</i>)	Facultative Wetland	12	1 Gallon
Seedmixes			
New England Wetmix	Variable	1 lb/2500 SF	
New England Conservation/Wildlife Mix	Variable	1 lb/1750 SF	

 BUFFER ZONE TO BE RESTORED = 26,187 S.F.

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