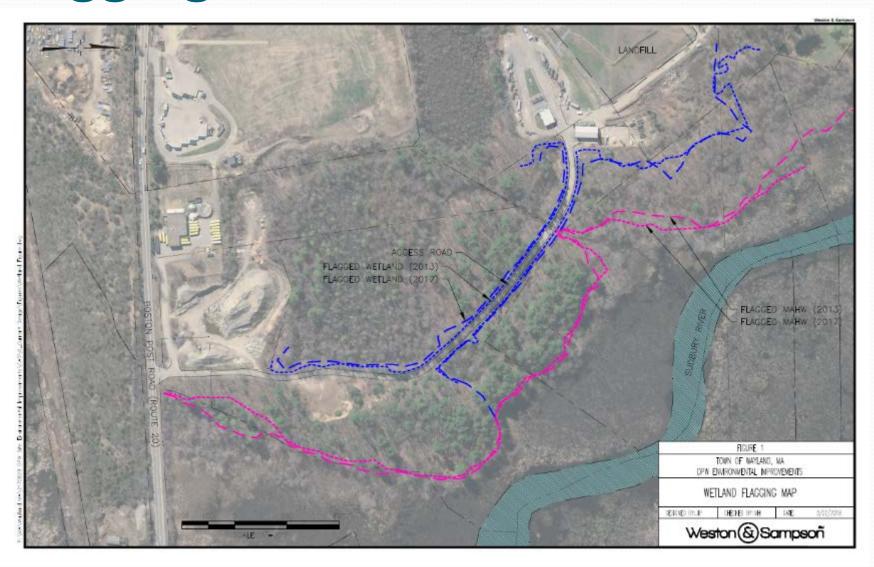
Conservation Commission

March 29, 2018 DPW Site Conservation Improvements Paul Brinkman, Town Engineer



Flagging



Project Elements



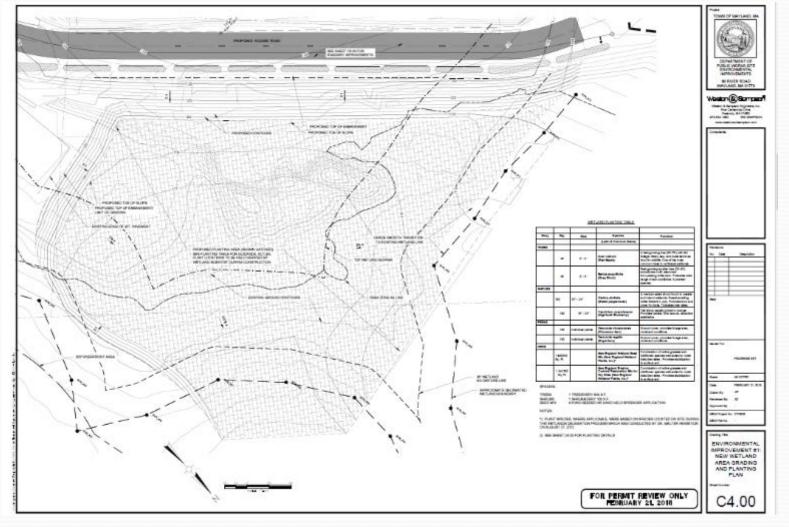
Water Main



Wetland Restoration



Conservation Improvement



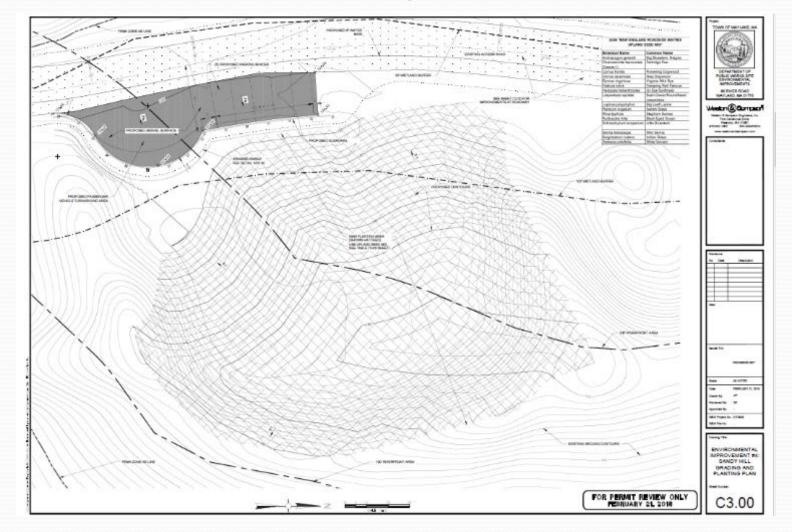
WETLAND PLANTING TABLE

Story	Qty.	Size	Species	Function
			(Latin & Common Name)	
TREES				
	45	3' - 5 '	Acer rubrum (Red Maple)	A fast-growing tree (60-75') with fall foliage. Seed, sap, and buds serve as food for wildlife. One of the most common trees in northeast wetlands.
	45	3' - 5 '	Betula populifolia (Gray Birch)	Fast-growing smaller tree (20-40'), sometimes multi- stemmed. Non-peeling white bark. Tolerates wide range of soil conditions. A pioneer species.
SHRUBS				
	180	18" – 24"	Clethra alnifolia (Sweet pepperbush)	A medium-sized shrub found in coastal and inland wetlands. Sweet-smelling white flowers in July. Provides food and cover for birds. Tolerates drier sites.
	180	18" - 24"	Vaccinium corymbosum (Highbush Blueberry)	Tall shrub usually grows in clumps. Provides habitat, food source, attractive aesthetics.
FERNS				
	150	Individual plants	Osmunda cinnamomea (Cinnamon fern)	Ground cover, provides forage area, moist soil conditions
	150	Individual plants	Osmunda regalis (Royal fern)	Ground cover, provides forage area, moist soil conditions.
HERB				
	1 lb/2500 Sq. Ft.		New England Wetland Seed Mix (New England Wetland Plants, Inc.)*	Combination of native grasses and wildflower species well suited to moist disturbed sites. Provides stabilization to surface soil.
	1 lb/1250 Sq. Ft.		New England Erosion Control/ Restoration Mix for Dry Sites (New England Wetland Plants, Inc.)*	Combination of native grasses and wildflower species well suited to moist disturbed sites. Provides stabilization to surface soil.

Surface Reestablishment



Conservation Improvement



2009 "NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX"

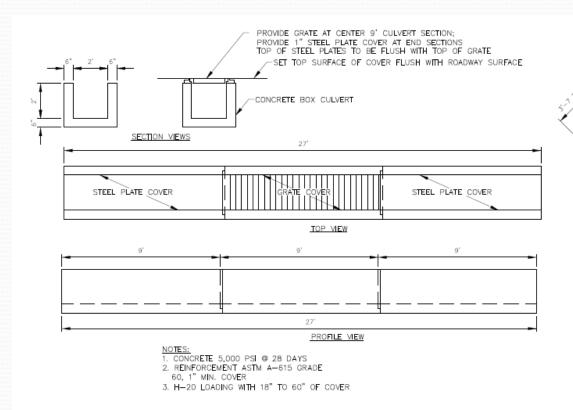
Botanical Name	Common Name	
Andropogon gerardii	Big Bluestem, Niagra	
Chamaecrista fasciculata	Partridge Pea	
(Cassia f.)		
Cornus florida	Flowering Dogwood	
Cornus racemosa	Grey Dogwood	
Elymus virginicus	Virginia Wild Rye	
Festuca rubra	Creeping Red Fescue	
Heliopsis helianthoides	Ox Eye Sunflower	
Lespedeza capitata	Bush Clover/Roundhead	
	Lespedeza	
Lupinus polyphyllus	Big Leaf Lupine	
Panicum virgatum	Switch Grass	
Rhus typhina	Staghorn Sumac	
Rudbeckia hirta	Black Eyed Susan	
Schizachyrium scoparium	Little Bluestem	
Senna hebecarpa	Wild Senna	
Sorghastrum nutans	Indian Grass	
Verbena urticifolia	White Vervain	

Critter Passage





Conservation Improvement



DESIGNED FOR H-20 LOADING 4. WINGWALL PER MHD SPEC 206.6.0 5. AREA SURROUNDING WINGWALL SHALL BE GRADED

1. CONCRETE 5,000 PSI @ 28 DAYS 2. REINFORCEMENT ASTM A-615 GRADE

60, 1" MIN. COVER

TO MATCH EXISTING GROUND AND SHALL SLOPE AWAY FROM BOX FLOOR, 5% SLOPE MIN/5:1 SLOPE MAX TO PROMOTE WILDLIFE USAGE

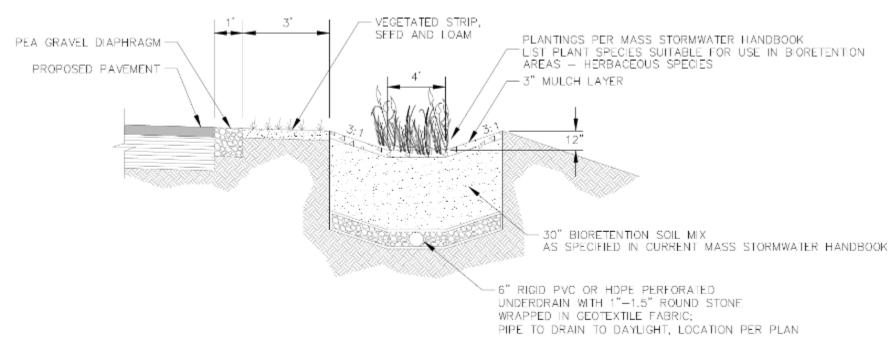
AMPHIBIAN CROSSING WINGWALL

N.T.S.

AMPHIBIAN CROSSING STRUCTURE



Stormwater Management



5 BIORETENTION AREA WITH VEGETATED FILTER STRIP

Salt Shed







Construction Protection

