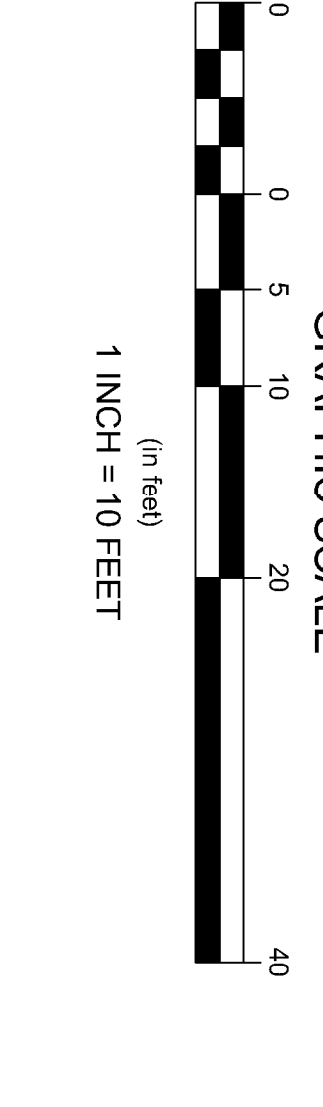
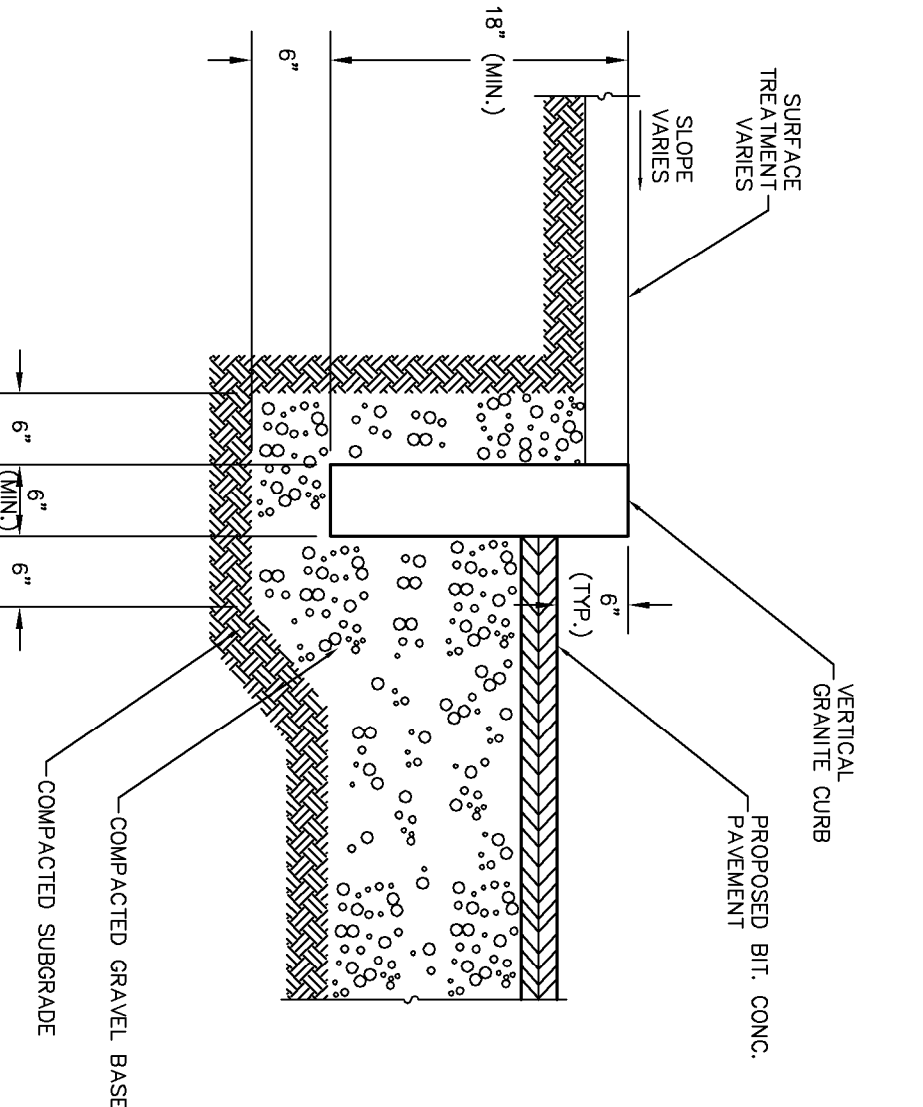
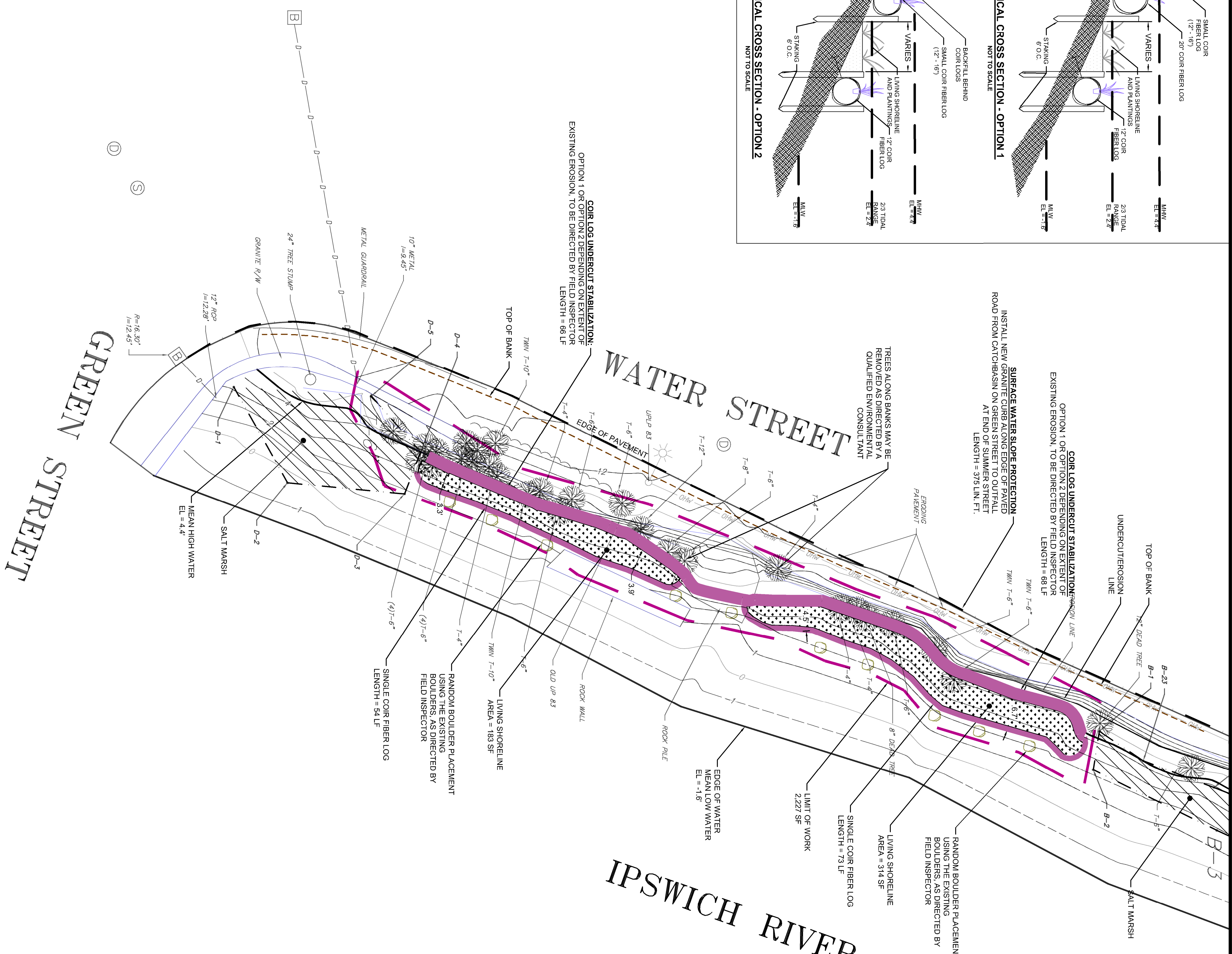


NOTES:

1. MEAN HIGH WATER WAS DETERMINED BASED ON FIELD INDICATORS. THE NEAREST NOAA TIDAL DATUM STATION WITH DATUMS BASED ON THE LATE ST. 19-YEAR TIDAL EPOCH IS SOUTH PLUM ISLAND SOUND, WHICH IS TOO FAR AWAY FOR REFERENCE AT THIS SITE.
2. PROPOSED DEPTH OF LIVING SHORELINE WILL BE NO MORE THAN 12" OF CLEAN SANDY LOAM FILL.
3. THE TOPOGRAPHICAL SURVEY, EXISTING CONDITIONS BASE MAP WERE PROVIDED BY CONEGO ENGINEERS AND SCIENTISTS AND TAKEN FROM THE PLAN ENTITLED "9881 AOC 1" SURVEY WAS PERFORMED APRIL 2017.
4. THE ELEVATIONS DEPICTED HEREON WERE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
5. SALT MARSH WAS DELINEATED IN THE FIELD BY IPSWICH CONSERVATION AGENT ALICIA GREEN APRIL 2017.

Living Shoreline Plant List

Key Botanical Name	Common Name	Size	Spacing
DS <i>Distichlis spicata</i>	Saltgrass	Bare Root	12" O.C.
JS <i>Juncus gerardi</i>	Saltmeadow Rush	Bare Root	18" O.C.
L <i>Limnium carolinianum</i>	Carolina Sea-Lavender	#1	24" O.C.
SD <i>Salicornia depressa</i>	Common Glasswort	#1	24" O.C.
SPPA <i>Spartina alterniflora</i>	Smooth Cordgrass	Z-plugs	18" O.C.
SPP <i>Spartina patens</i>	Saltmeadow Cordgrass	Z-plugs	18" O.C.



Project Number: 16127 Sheet: 1 of 2 Sheet Number: C-1	Survey Provided By: Horsley Witten Group, Inc. 90 Route 6A Sandwich, MA 02563 Phone: (508) 833-6600 Fax: (508) 833-3150 Dated: MONTH 2010	Prepared For: Town of Ipswich 25 Green Street Ipswich, MA 01938 Phone: (508) ***** Fax: ---	Plan Set: IPSWICH RIVER COASTAL RESILIENCY 30% DESIGN IPSWICH, MASSACHUSETTS	Plan Title: AOC 1 - LAYOUT PLAN	Date: MAY 2017 Designed By: GSG Drawn By: GSG Checked By: RAC	Revisions <table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>By</th> <th>Appr./Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Rev.	Date	By	Appr./Description					Horsley Witten Group, Inc. Sustainable Environmental Solutions www.horsleywitten.com 90 Route 6A Sandwich, MA 02563 508-833-6600 voice 508-833-3150 fax
							Rev.	Date	By	Appr./Description					
DRAFT NOT FOR CONSTRUCTION															