

FIRE ISLAND INLET TO MORICHES INLET, NEW YORK

PLANS
FOR CONSTRUCTION OF

STABILIZATION PROJECT SUFFOLK COUNTY, NEW YORK



PRELIMINARY

DO NOT USE FOR CONSTRUCTION

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
NEW YORK, NEW YORK

2014



"INCREASE PROFIT -- SUBMIT VECPS"

TO ACCOMPANY INVITATION
NO. W912EP-XX-X-XXXX

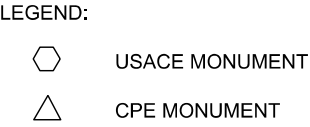
A vertical number line with four tick marks. From bottom to top, the tick marks are labeled A, B, C, and D. The line is a solid black vertical bar.

GENERAL	
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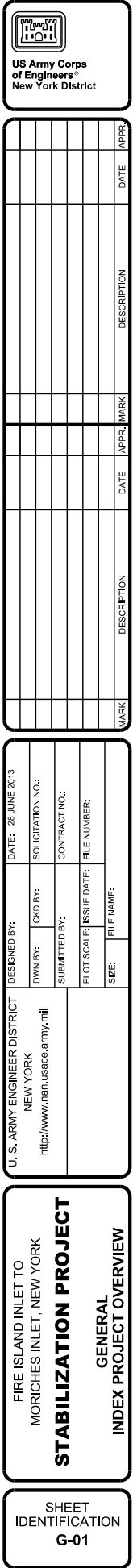
G-01	INDEX AND PROJECT OVERVIEW
G-02	RANGE MONUMENT CONTROL DATA

CIVIL

C-01	BEACH FILL PLAN VIEW
C-02	BEACH FILL PLAN VIEW
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C-17	BEACH FILL PLAN VIEW
C-18	BEACH FILL PLAN VIEW
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C-20	BEACH FILL PLAN VIEW
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C-24	BEACH FILL PLAN VIEW
C-25	BEACH FILL PLAN VIEW
C-26	BEACH FILL PLAN VIEW
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C-38	TYPICAL FILL PROFILES



1. THE PLANIMETRIC LAND FEATURES DEPICTED ON THESE PLANS ARE FOR INFORMATION ONLY AND WERE NOT PHYSICALLY LOCATED BY SURVEY UNLESS OTHERWISE INDICATED. NOT ALL EXISTING STRUCTURES ARE INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL SUCH FEATURES THAT HE/SHE DETERMINES ARE NECESSARY FOR OR AFFECT THE PERFORMANCE OF THIS PROJECT.
2. ELEVATIONS SHOWN HEREON ARE IN U.S. SURVEY FEET REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29).
3. COORDINATES SHOWN HEREON ARE IN U.S. SURVEY FEET REFERENCED TO NEW YORK STATE PLANE, LONG ISLAND, NORTH AMERICAN DATUM 1983 (NAD83).
4. MEAN HIGH WATER (MHW) IS DEFINED AT 2 FEET, NGVD29. MHW ELEVATION WAS DETERMINED BY USING VDATUM.
5. EXISTING VEGETATION WITHIN THE PROJECT AREA SHALL NOT BE COVERED BY FILL. THE CONTRACTOR SHALL MINIMIZE IMPACTS TO VEGETATION WHILE ACCESSING THE PROJECT AREA AND DURING CONSTRUCTION.
6. AZIMUTHS SHOWN HEREON ARE PERPENDICULAR TO BASELINE.
7. THE +9.5' NGVD CONTOUR REPRESENTS THE APPROXIMATE LANDWARD LIMIT OF FILL FOR THE LOCATIONS OF NO DUNE FILL. LANDWARD LIMIT OF FILL FOR THE DUNE DESIGN ASSUMES A LANDWARD DUNE TOE INTERSECTION AT +10.0' NGVD. ACTUAL LANDWARD DUNE TOE INTERSECTION WILL VARY DEPENDING ON EXISTING TOPOGRAPHY.



A

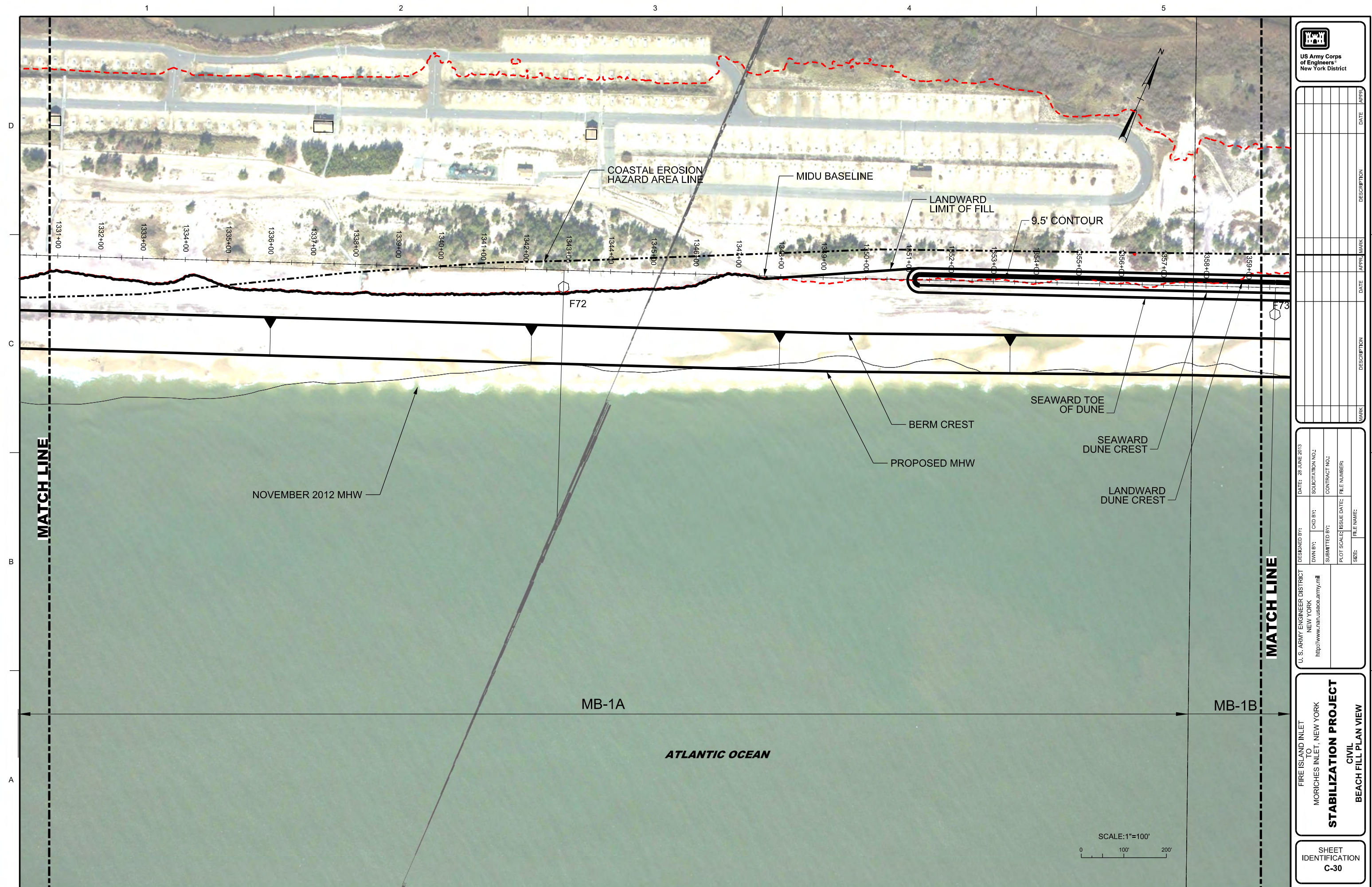
B

C

D

RANGE MONUMENT CONTROL

REACH	MONUMENT	EAST	NORTH	MOUMENT AZIMUTH	AZIMUTH PERPENDICULAR TO BASELINE
GSB-1A	F4	1184390.0	166730.6	178	178
GSB-1A	F5	1187184.0	166966.9	159	175
GSB-1A	F6	1189755.0	167298.7	175	170
GSB-1A	F7	1192325.0	167630.5	159	168
GSB-1A	F8	1194977.0	168306.8	173	168
GSB-1A	F9	1197629.0	168983.2	159	168
GSB-1B	F10	1199891.0	169542.5	170	164
GSB-1B	F11	1202154.0	170101.8	159	164
GSB-1B	F12	1204667.0	170815.9	159	165
GSB-1B	KISA	1204899.0	170864.0	165	165
GSB-2A	SFD1	1205455.0	171085.0	165	162
GSB-2A	F13	1205776.0	171149.0	165	162
GSB-2A	SFD2	1206001.0	171202.0	165	162
GSB-2A	SFD3	1206446.0	171439.0	165	161
GSB-2A	SFD4	1206896.0	171579.0	165	162
GSB-2A	F14	1207090	171541.4	159	162
GSB-2A	SFD5	1207245.0	171678.0	165	162
GSB-2A	SFD6	1207611.0	171794.0	165	162
GSB-2A	SFD7	1207957.0	171895.0	165	163
GSB-2A	SFD8_F15	1208266.0	171979.0	165	163
GSB-2A	SFD9	1208668.0	172136.0	165	163
GSB-2A	SFD10	1209014.0	172255.0	165	163
GSB-2A	SFD11	1209366.0	172388.0	165	163
GSB-2A	SFD12_F16	1209628.3	172446.2	165	163
GSB-2A	SFD13	1209811.0	172538.0	165	163
GSB-2A	SFD14	1210139.0	172650.0	165	163
GSB-2A	SFD15	1210662.0	172817.0	165	163
GSB-2A	F17	1210826.0	172774.7	159	163
GSB-2A	SDF16	1211186.0	172976.0	165	163
GSB-2A	SFD17	1211683.0	173113.0	165	163
GSB-2A	SFD18_F18	1212006.0	173148.6	165	163
GSB-2A	SFD19	1212397.0	173339.0	165	161
GSB-2A	SFD20	1212864.0	173480.0	165	161
GSB-2A	F19	1212992.0	173456.9	159	161
GSB-2B	SFD21	1213393.0	173659.0	165	161
GSB-2B	SFD21+500	1213879.0	173774.6	165	164
GSB-2B	F20	1214375.9	173915.5	165	164
GSB-2B	I-C+450	1214839.0	173893.0	165	164
GSB-2B	I-C+700	1215018.0	173951.0	165	164
GSB-2B	F21	1215275.0	174199.9	159	164
GSB-2B	F21+500	1215737.0	174380.0	160	164
GSB-2B	CFI1_F22	1216239.5	174445.8	160	166
GSB-2B	CFI1+195	1216403.0	174563.5	160	166
GSB-2B	CFI2	1216888.1	174694.7	160	166
GSB-2B	CFI3_F23	1217360.4	174775.1	160	166
GSB-2C	CFI4	1217758.2	174876.4	160	166
GSB-2C	CFI5	1218133.0	174933.1	160	166
GSB-2C	CFI6	1218428.6	175030.1	160	166
GSB-2C	F24	1218827.0	175070.7	159	164
GSB-2C	CFI7	1218938.2	175179.3	160	164
GSB-2C	CFI8	1219389.8	175398.2	160	164
GSB-2C	CFI9	1219815.8	175395.2	160	164
GSB-2C	CFI10_F25	1220156.4	175427.3	160	164
GSB-2C	CFI11	1220518.3	175570.6	160	164
GSB-2C	CFI12	1220929.8	175741.2	160	164
GSB-2C	CFI13_F26	1221275.7	175810.1	160	162
GSB-2D	CFI14	1221663.4	175949.7	160	162
GSB-2D	CFI15	1222061.2	176054.5	160	162
GSB-2D	CFI16_F27	1222457.0	176126.6	160	162
GSB-2D	CFI17	1222932.5	176339.6	160	162
GSB-2D	CFI18	1223361.5	176427.6	160	162
GSB-2D	CF				



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New York District**

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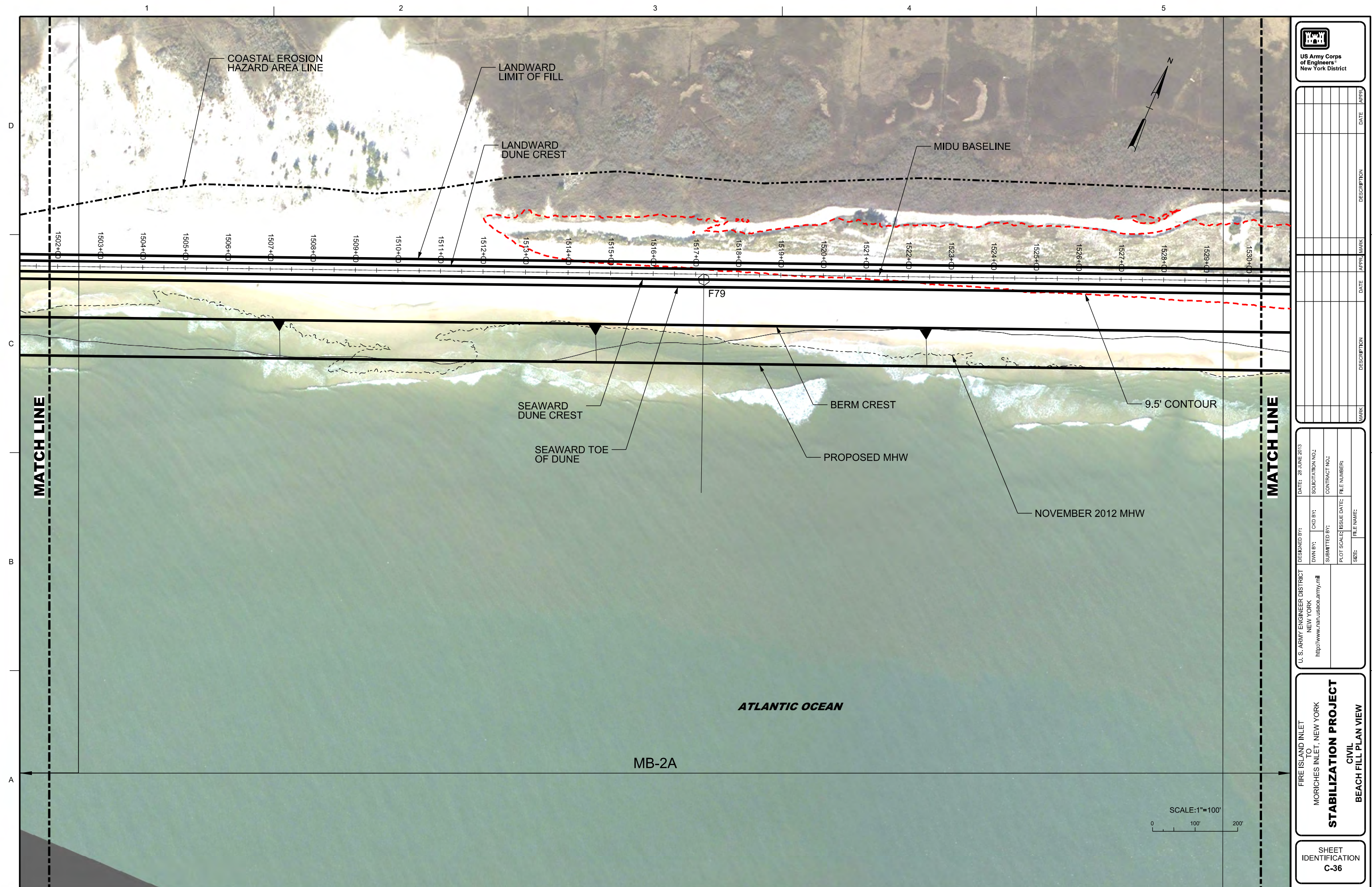
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FIRE ISLAND INLET
TO
MORICHES INLET, NEW YORK

STABILIZATION PROJECT

CIVIL
BEACH FILL PLAN VIEW

SHEET
IDENTIFICATION
C-30



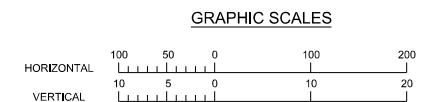
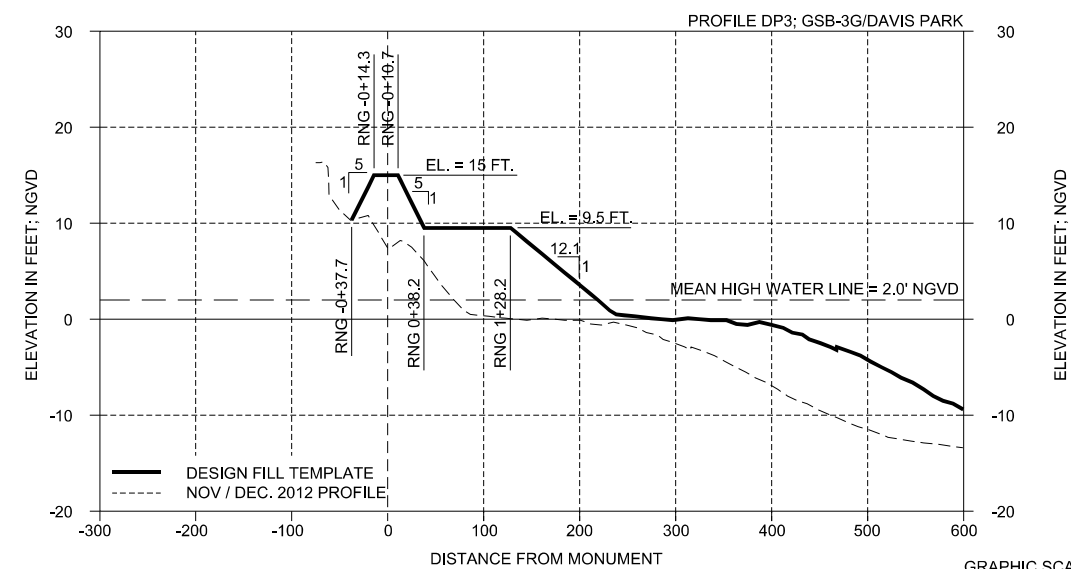
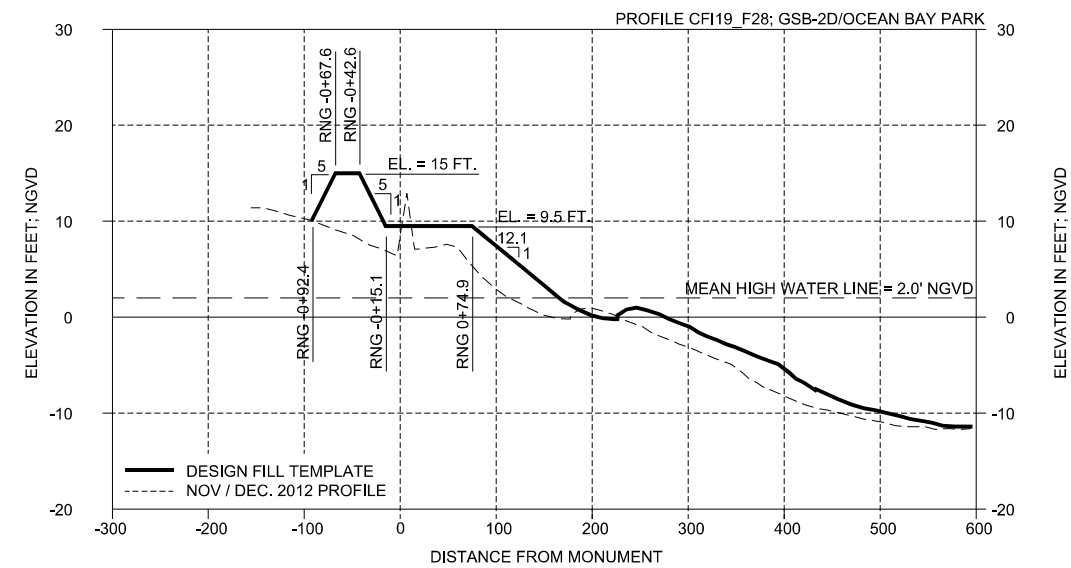
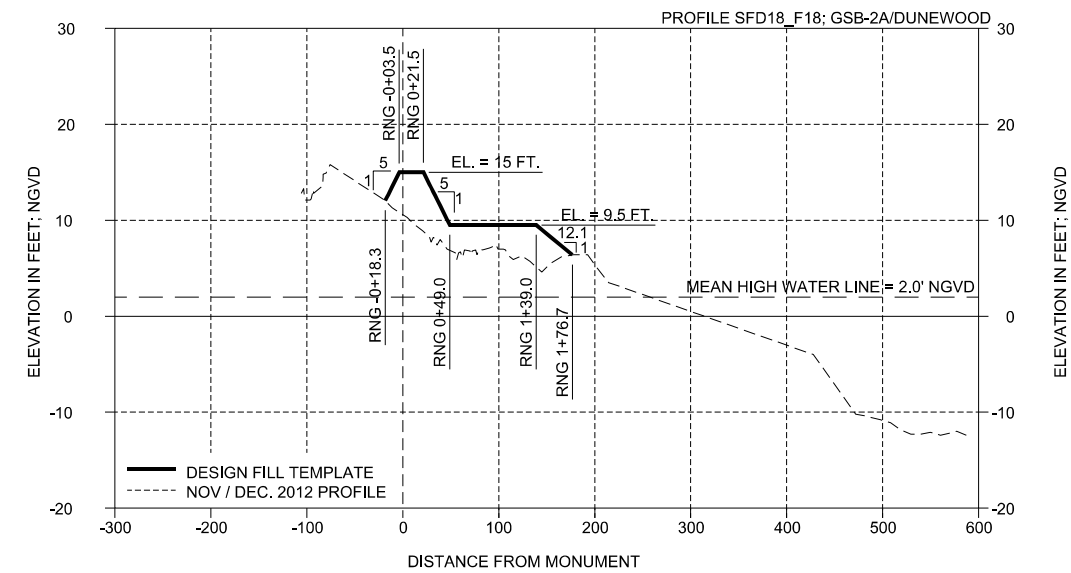
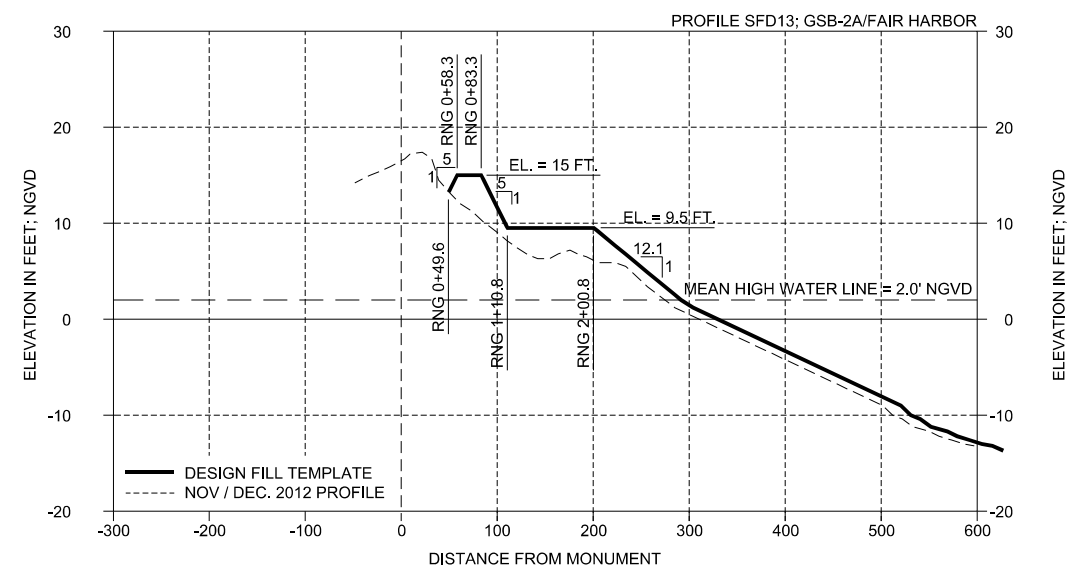
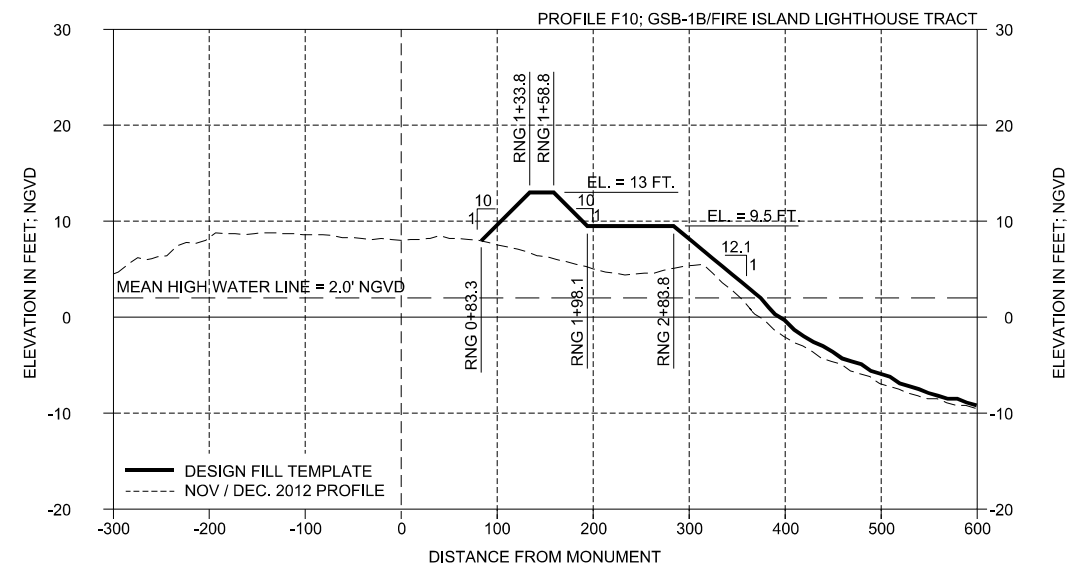
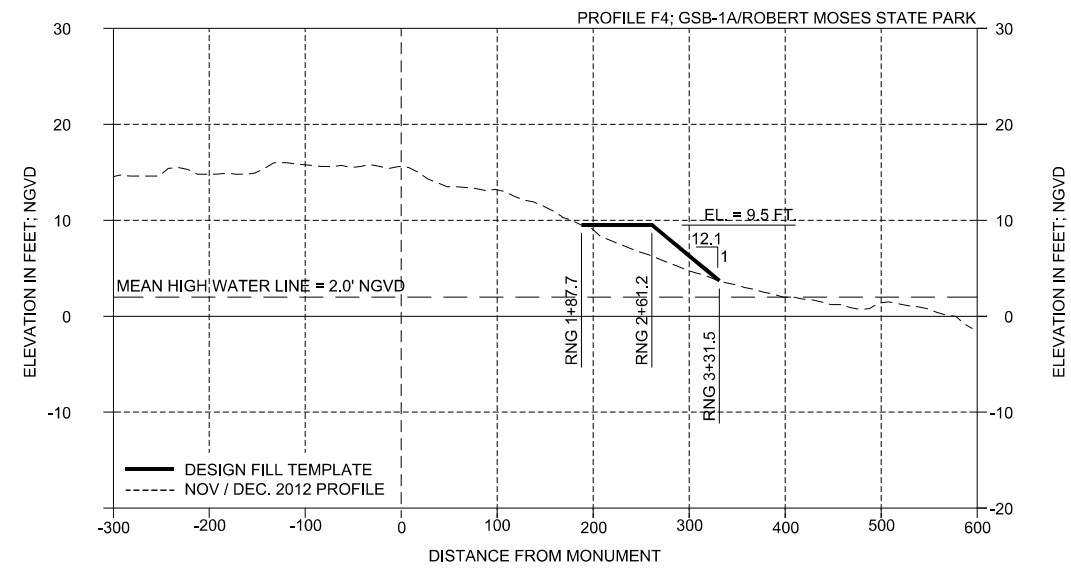
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FIRE ISLAND INLET
TO
MORICHES INLET, NEW YORK
STABILIZATION PROJECT
CIVIL
BEACH FILL PLAN VIEW

SHEET
IDENTIFICATION
C-36



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STABILIZATION PROJECT
TYPICAL FILL PROFILES

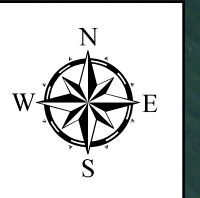
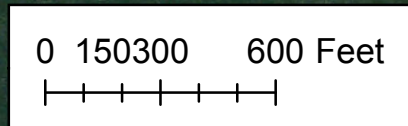
SHEET
IDENTIFICATION
C-38

Great Gun

17 Ha

17 Ha

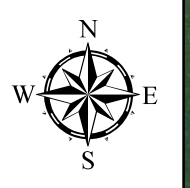
1 in = 500 ft



Lighthouse Tract

11 Ha

1 in = 400 ft

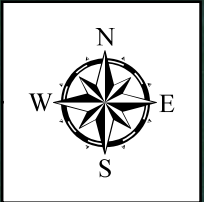
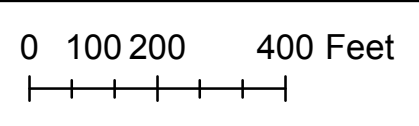


New Made Island

6 Ha

10.5 Ha

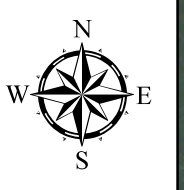
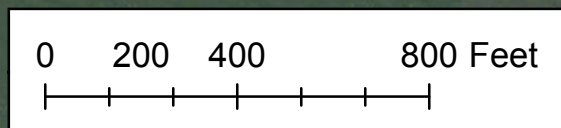
1 in = 300 ft



Pattersquach

13 Ha

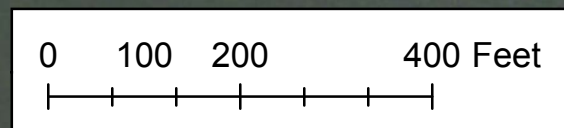
1 in = 400 ft



Smiths Point Breach

6 Ha

1 in = 200 ft



A B C D



- 0 200' 400'
- SCALE: 1" = 200'

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FIRE ISLAND INLET
TO
MORICHES INLET, NEW YORK

STABILIZATION PROJECT

CIVIL
BEACH FILL PLAN VIEW

SHEET
IDENTIFICATION
C-39

D



B

A

0 200' 400'

SCALE: 1" = 200'



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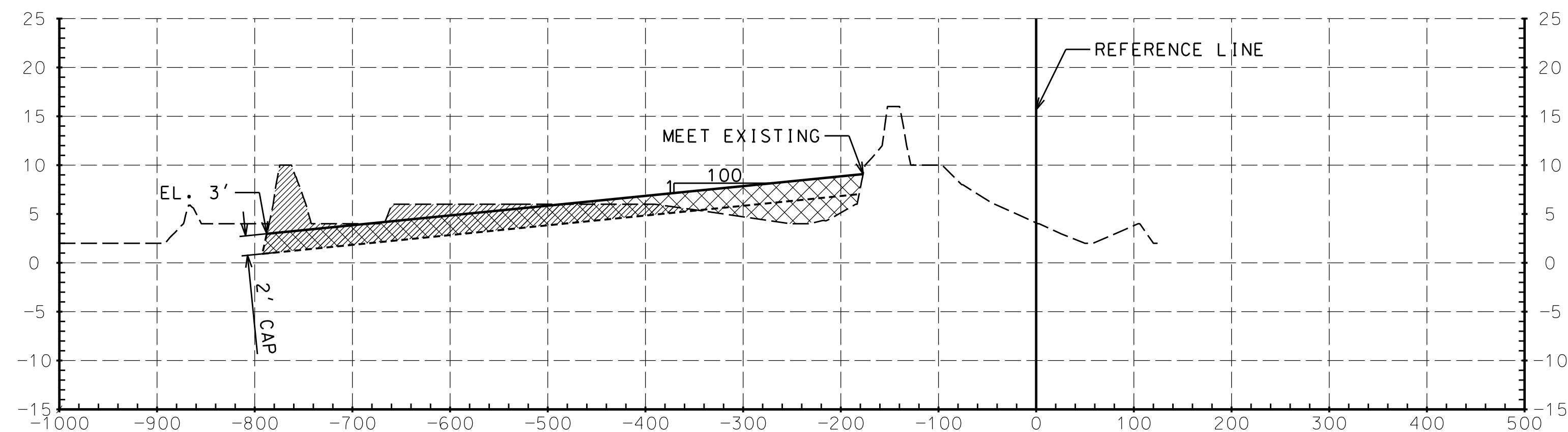
TO
MORICHES INLET, NEW YORK

STABILIZATION PROJECT

CIVIL
BEACH FILL PLAN VIEW

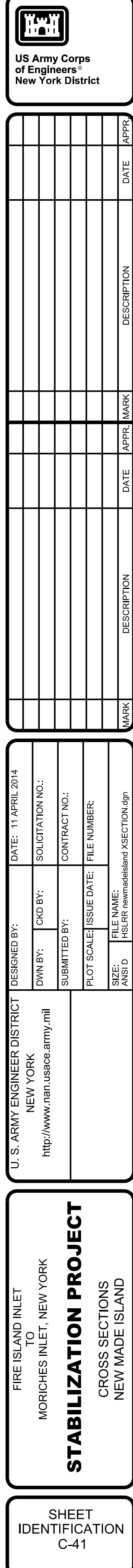
SHEET
IDENTIFICATION
C-40

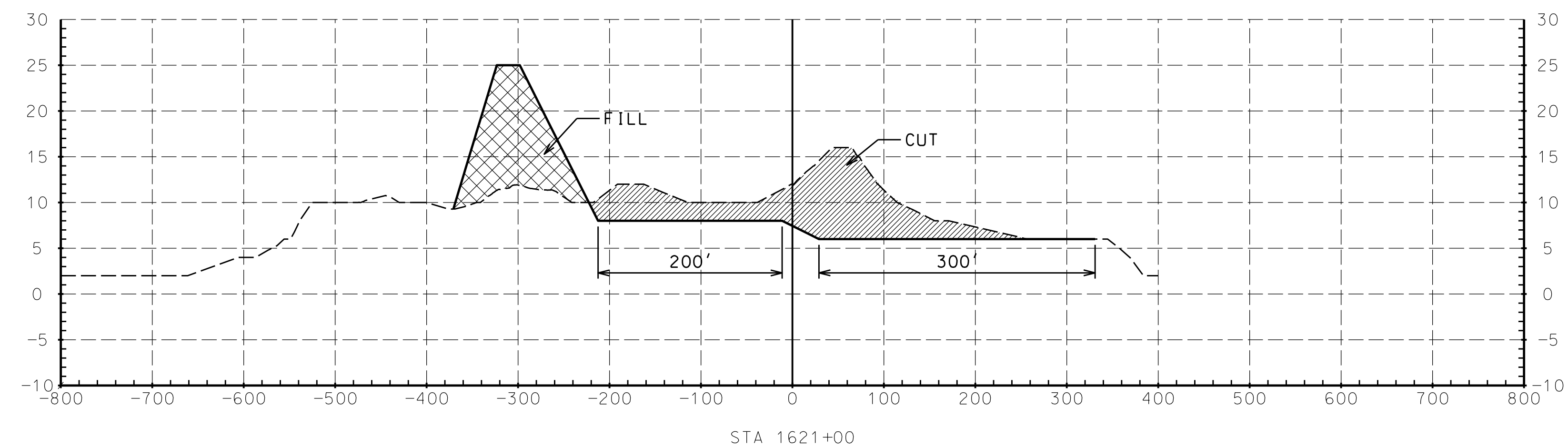
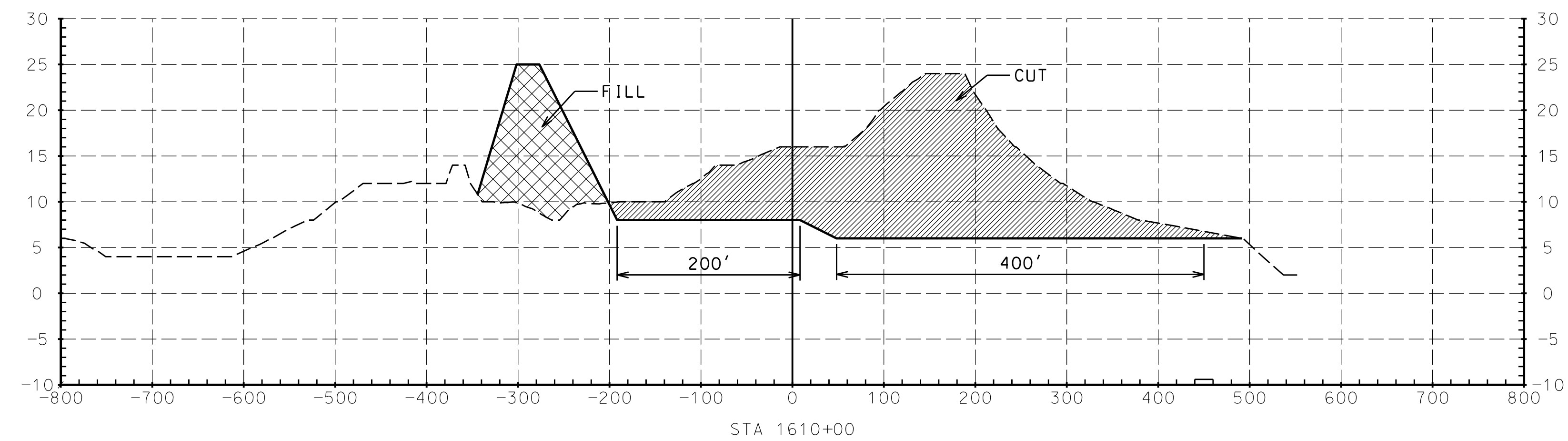
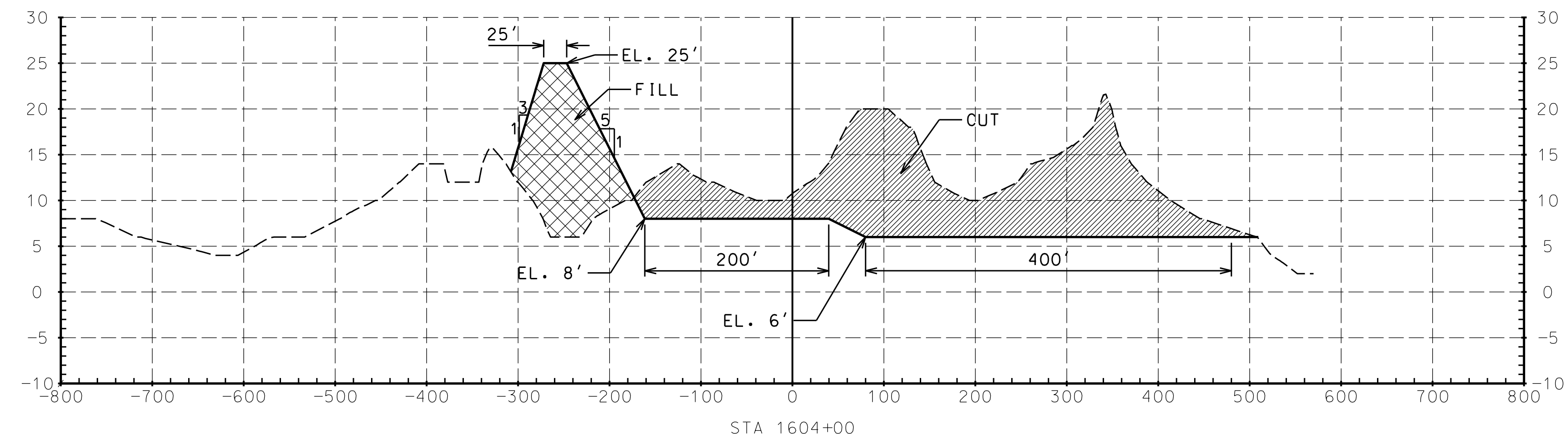
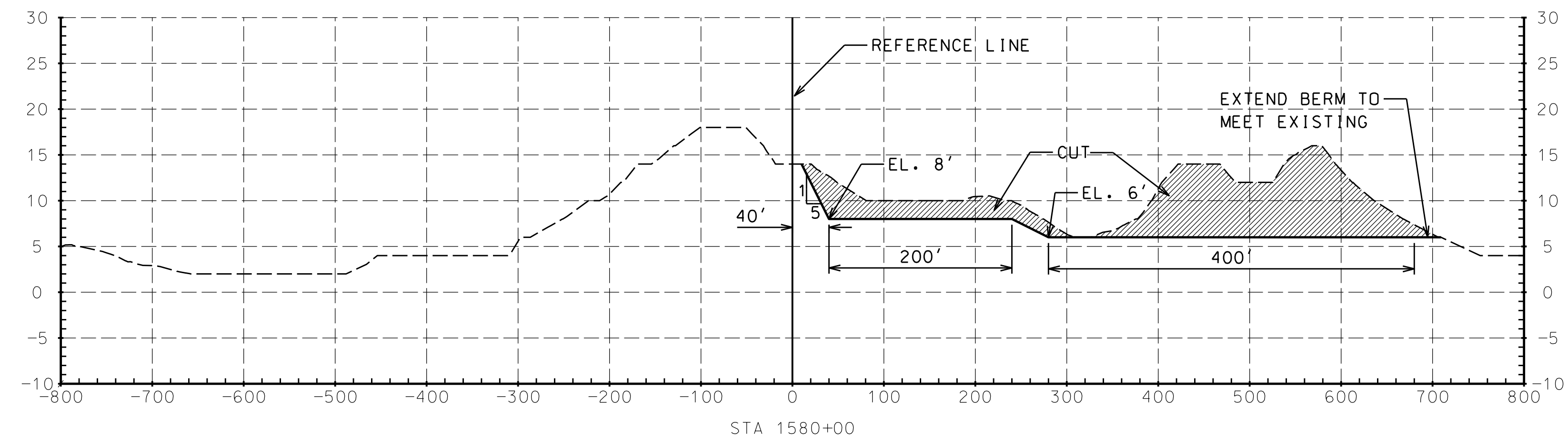
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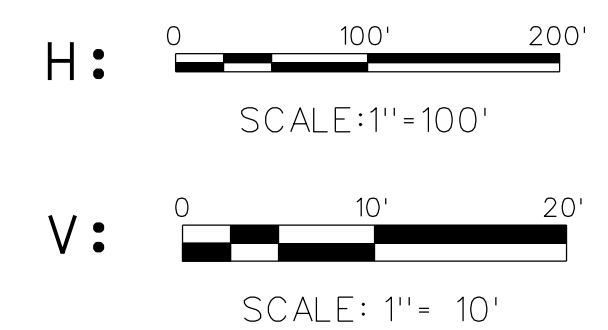
NOTE:

1. EXISTING DIKE WILL BE REMOVED.
2. THE 2' CAP WILL BE PLACED WITH OFFSHORE MATERIAL, AND WILL HAVE A 1 ON 100 SLOPE.





LINE	SURFACE	UNITS = FEET
————	CONSTRUCTION TEMPLATE	
-----	EXISTING	
	FILL	
	CUT	



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TO
MORICHES INLET, NEW YORK

STABILIZATION PROJECT

CROSS SECTIONS
GREAT GUNN

SHEET
IDENTIFICATION
C-42