FIRE ISLAND INLET TO MORICHES INLET, NEW YORK

PLANS
FOR CONSTRUCTION OF

STABILIZATION PROJECT
SUFFOLK COUNTY, NEW YORK

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

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

INCREASE PROFIT -- SUBMIT VECP'S

$SAFETY PAYS$
In Many Ways!
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GENERAL NOTES:
1. THE PLANNETIC 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 GEOID 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.
MATCH LINE

COASTAL EROSION HAZARDOUS AREA LINE

BERM CREST

LANEWARD DUNE CRESCENT

SEAWARD DUNE CRESCENT

LANDWARD LIMIT OF FILL

MIDU BASELINE

HAZARD AREA LINE

NOVEMBER 2012 MHW

PROPOSED MHW

SEAWARD TOE OF DUNE

GSB-1A

GSB-1B

ATLANTIC OCEAN

SCALE: 1" = 100'

FILE NAME:

CAlKED BY:

DESIGNED BY:

DESCRIPTION:

MARK APPR.

DATE:

FILE NUMBER:

SIZE:

SUBMITTED BY:

PLOT SCALE:

DATE MARKED:

DESCRIPTION

CONTRACT NO.:

ISSUED DATE:

SOLICITATION NO.:

CIVIL BEACH FILL PLAN VIEW

SHEET xx OF xx

FIRE ISLAND INLET

TO MORICHES INLET, NEW YORK

STABILIZATION PROJECT

NEW YORK DISTRICT

US ARMY CORPS OF ENGINEERS

28 JUNE 2013

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NEW YORK DISTRICT

US ARMY CORPS OF ENGINEERS

®
1. Coastal Erosion Hazard Area Line
2. 9.5' Contour
3. Landward Dune Crest
4. Seaward Dune Crest
5. Landward Limit of Fill
6. Seaward Toe of Dune
7. Berm Crest
8. Proposed MHW
9. November 2012 MHW
10. MLLW Baseline
11. Atlantic Ocean
12. GSB-1B
13. 100' Scale: 1" = 100'

The diagram illustrates the coastal features and boundaries, including erosion hazards, contour lines, and proposed engineering measures to stabilize the area.
PROPOSED MHW BERM CREST HAZARD AREA LINE

COASTAL FROZEN HAZARD AREA LINE

LANDWARD LIMIT OF FILL

MIDU BASELINE

PROPOSED MHW

BEERM CREST

NOVEMBER 2012 MHW

GSB-3A

GSB-3B

ATLANTIC OCEAN

SCALE: 1" = 100'
PROPOSED MHW BERM CREST OF DUNE SEAWARD TOE HAZARD AREA LINE

COASTAL EROSION LANDWARD LIMIT OF FILL

MATC LINE

DUNE CREST SEAWARD

DUNE CREST LANDWARD

FIP1 F38
FIP1+30
FIP2
FIP3
F39
FIP4
FIP5

ATLANTIC OCEAN

GSB-3B

GSB-3C
Great Gun

17 Ha

17 Ha

1 in = 500 ft

0 150300 600 Feet
Lighthouse Tract

11 Ha
Smiths Point Breach

6 Ha
ADDITIONAL BIRD NESTING HABITAT
NEW MADE ISLAND

NOTES:

2. COORDINATES ARE BASED ON LONG ISLAND LAMBERT NAD83 (US FEET).
3. AERIAL, DATED 13 SEPTEMBER 2013, WAS GEOREFERENCED USING GOOGLE EARTH.
4. DUNE TO BE REMOVED AND CUT TO EL. 3 FT NAVD88. SLOPE 1 ON 100 FROM EL NAVD88.
5. SEE CROSS SECTIONS FOR MORE DETAILS.

1. LIMIT OF FILL LANDWARD
2. APPROXIMATE TOP OF SLOPE AT EXISTING DUNE
3. APPROXIMATE TOE OF SLOPE AT EL. 3
4. AREA TO BE DEVEGETATED
5. MIDU BASELINE
6. PROPOSED MHW
7. PROPOSED MHW BERM CREST
8. PROPOSED SEAWARD TOE OF DUNE
9. PROPOSED SEAWARD DUNE CREST
10. PROPOSED SEAWARD DUNE CREST

SCALE 1" = 200'
NOTES:

2. COORDINATES ARE BASED ON LONG ISLAND LAMBERT NAD83 (US FEET).
3. AERIAL, DATED 13 SEPTEMBER 2013, WAS GEOREFERENCED USING GOOGLE EARTH.
4. SEE CROSS SECTIONS FOR MORE DETAILS.
1. Existing Dike will be removed.
2. The 2’ Cap will be placed with offshore material, and will have a 1 on 100 slope.

NOTE: