

CENTRAL FIRE ISLAND SEGMENT FIRE ISLAND 2008 BEACH RENOURISHMENT PROJECT

TOWN OF ISLIP, NEW YORK
CORNEILLE ESTATES/SUMMER CLUB
SEAVIEW

VILLAGE OF OCEAN BEACH, NEW YORK

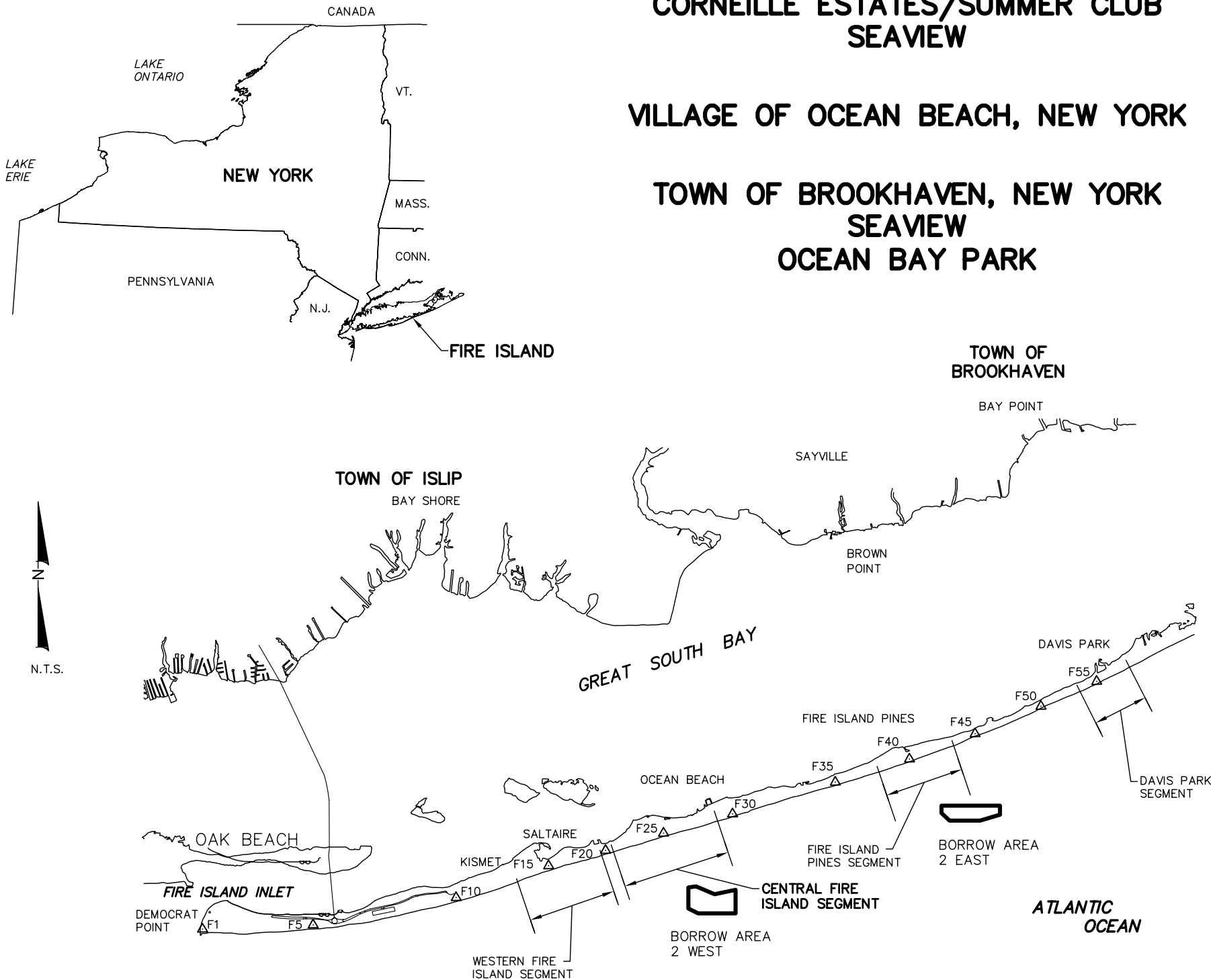
TOWN OF BROOKHAVEN, NEW YORK
SEAVIEW
OCEAN BAY PARK

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BA-7	BORROW AREA 2 WEST CROSS SECTIONS

CENTRAL FIRE ISLAND, FIRE ISLAND, NEW YORK

PROFILE	RANGE 00 (COMMENCEMENT POINT)		
	EASTING	NORTHING	AZIMUTH
CFI-1	1216239.5	174445.8	160.0
CFI-1+195	1216403.0	174563.5	160.0
CFI-2	1216888.1	174694.7	160.0
CFI-3	1217360.4	174775.1	160.0
CFI-4	1217758.2	174876.4	160.0
CFI-5	1218133.0	174933.1	160.0
CFI-6	1218428.6	175030.1	160.0
CFI-7	1218938.2	175179.3	160.0
CFI-8	1219389.8	175398.2	160.0
CFI-9	1219815.8	175395.2	160.0
CFI-10	1220156.4	175427.3	160.0
CFI-11	1220518.3	175570.6	160.0
CFI-12	1220929.8	175741.2	160.0
CFI-13	1221275.7	175810.1	160.0
CFI-14	1221663.4	175949.7	160.0
CFI-15	1222061.2	176054.5	160.0
CFI-16	1222457.0	176126.6	160.0
CFI-17	1222932.5	176339.6	160.0
CFI-18	1223361.5	176427.6	160.0
CFI-19	1223792.0	176540.2	160.0
CFI-20	1224243.2	176735.1	160.0
CFI-21	1224548.3	176815.7	160.0
CFI-21+190	1224728.2	176879.1	160.0



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No.	Date	Description
1	5/20/08	RESPONSE TO USACE RAI

Checked by:	Reviewed by:	Submitted by:	Comm. No.:
AMB	SK	SK	7300.32
Designed by:	Drawn by:	Date:	Print Scale:
SK	JRC	4/1/08	AS NOTED

Reference Files:
730032_0000000000

CENTRAL FIRE ISLAND SEGMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT
COVER SHEET

DRAWING NO.

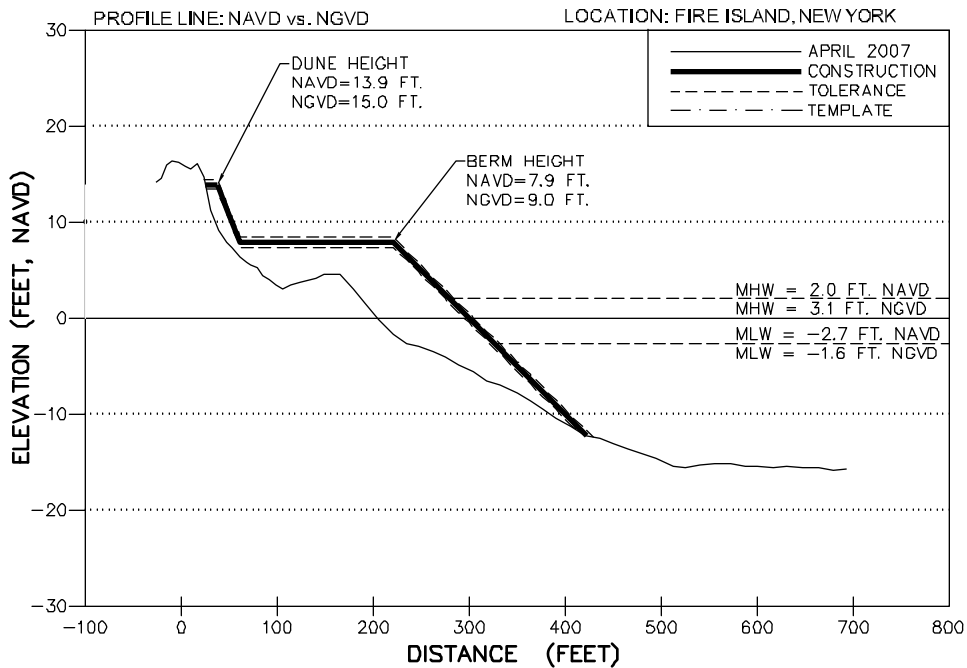
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SHEET 1 OF 16

THOMAS J CAMPBELL P.E. NO. 56457

DATE

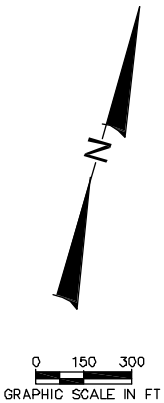
CENTRAL FIRE ISLAND



- NOTES:
1. DATE OF AERIAL PHOTOGRAPH: 12/18/2007.
 2. AERIAL FLOWN BY GEOMAPS INTERNATIONAL AERIAL PHOTOGRAMMETRY.

NOTE:
ALL TOPOGRAPHIC SURVEYS AND PROFILES ARE
REFERENCED TO THE NORTH AMERICAN VERTICAL
DATUM 1988, WHICH RELATES TO NGVD AS SHOWN
ABOVE.

NAVD 0.0 FT.
1.1 FT.
NGVD 0.0 FT.



THOMAS J CAMPBELL P.E. NO. 56457

DATE

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No.	Date	Description
1	5/20/04	RESPONSE TO USACE RA
2	6/20/04	FINAL E.A.

Designed by:	Checked by:
SK	AMB
Drawn by:	Reviewed by:
JRC	SK
Date:	Submitted by:
4/1/08	SK
Plot Scale:	Comm. No:
AS NOTED	7300.32

Reference Files:
730032_00000000

CENTRAL FIRE ISLAND SEGMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT
AERIAL PLATE

DRAWING NO.

AP

SHEET 2 OF 16

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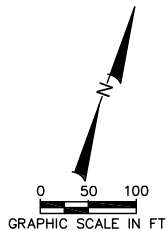
MATCHLINE SEE PV-4

MATCHLINE SEE PV-6

- NOTES:**
- COORDINATES ARE BASED ON NEW YORK LONG ISLAND LAMBERT STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD83).
 - TOPOGRAPHIC CONTOURS SHOWN ARE IN FEET NAVD88 FROM A LIDAR SURVEY FLOWN APRIL 29, 2007 BY THE USGS EAARL SYSTEM.
 - THE PROJECT WILL DREDGE APPROXIMATELY 1.91 MILLION± CUBIC YARDS FROM AREA 2-WEST FOR THE CENTRAL AND WESTERN FIRE ISLAND SEGMENT BEACHES. A CUTTER HEAD OR HOPPER DREDGE WILL BE USED TO TAKE THE SAND FROM THE OFFSHORE BORROW AREA AND PUMP IT TO THE BEACH USING A COMBINATION OF SUBMERGED AND BEACH PIPELINES. THE BEACH/DUNE WILL BE SHAPED AND GRADED USING BULLDOZERS, FRONT END LOADERS, AND SIMILAR HEAVY CONSTRUCTION EQUIPMENT. THE FILL MATERIAL IS 96% SAND AND 4% SILT.
 - ALONG SHORE CURRENTS ARE WAVE DOMINATED IN AN EAST TO WEST DIRECTION.
 - THE BEACH VOLUME FOR CENTRAL FIRE ISLAND IS APPROXIMATELY 570,000 C.Y., WITH 259,500 C.Y. SEAWARD OF THE SPRING TIDE LINE.

- LEGEND:**
- COMMENCEMENT POINT
 - USACE SURVEY MONUMENTS
 - CONTOURS
 - 10' CONTOUR
 - MEAN HIGH WATER LINE
 - SPRING HIGH WATER LINE
 - SPOT ELEVATION

ATLANTIC OCEAN



THOMAS J CAMPBELL P.E. NO. 56457

DATE

DRAWING NO.
PV-2

SHEET 4 OF 16

CENTRAL FIRE ISLAND SEGMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT
**CENTRAL FIRE ISLAND
PLAN VIEW**

Reference Files:
730032_drawing

Designed by:	SK
Drawn by:	JRC
Date:	4/1/08
Plot Scale:	AS NOTED
Comm. No.:	7300.32

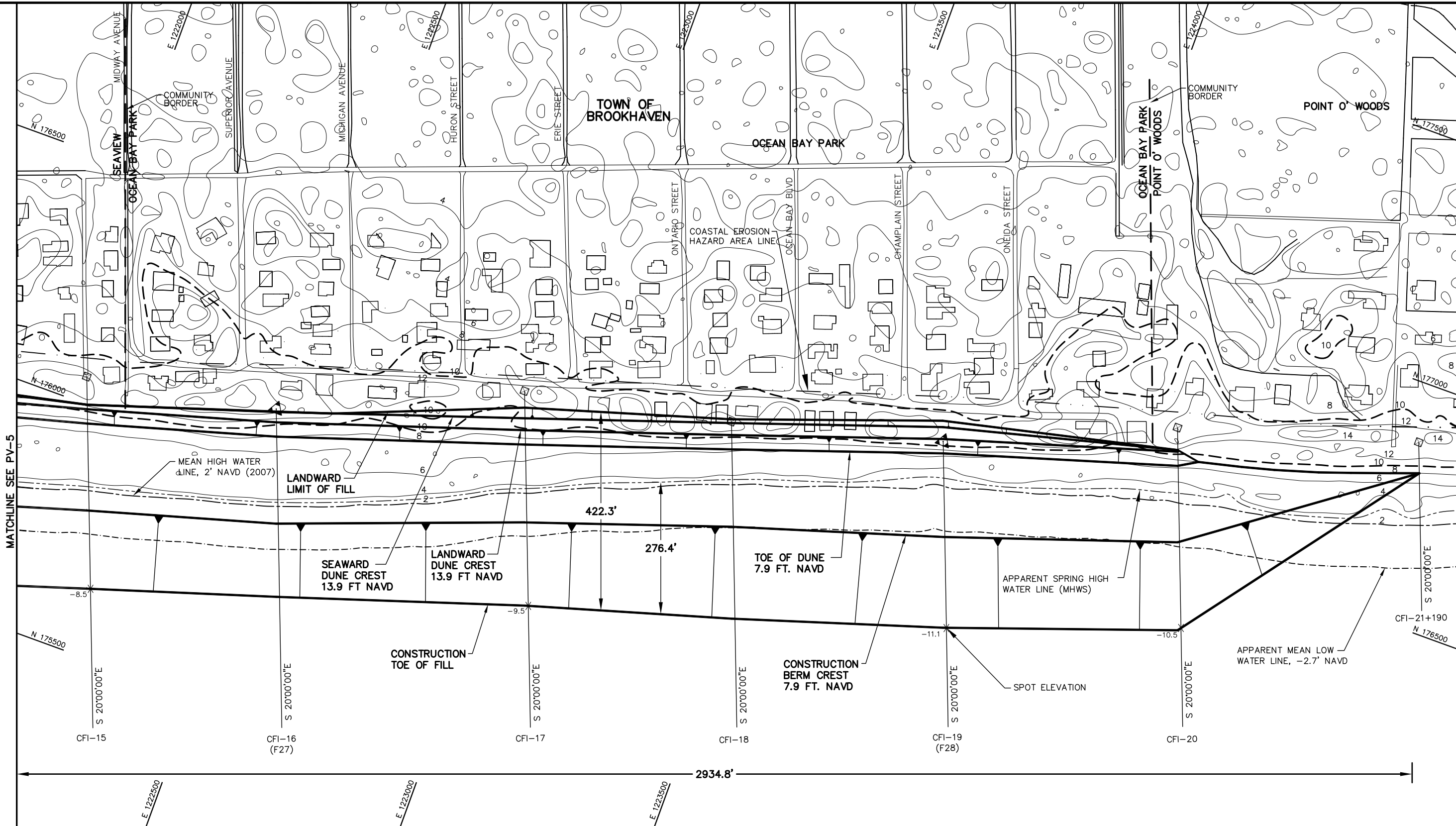
No.	Date	Description
1	5/20/08	RESPONSE TO USACE RAI
2	6/25/08	FINAL EA



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H:\New York\Present\2008\CONSTRUCTION\CENTRAL FIRE ISLAND\730032.CFI_Paving - Jul 01, 2008 @ 4:20pm - cadalen

MATCHLINE SEE PV-5



NOTES:

- COORDINATES ARE BASED ON NEW YORK LONG ISLAND LAMBERT STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD83).
- TOPOGRAPHIC CONTOURS SHOWN ARE IN FEET NAVD88 FROM A LIDAR SURVEY FLOWN APRIL 29, 2007 BY THE USGS EAARL SYSTEM.
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- ALONG SHORE CURRENTS ARE WAVE DOMINATED IN AN EAST TO WEST DIRECTION.
- THE BEACH VOLUME FOR CENTRAL FIRE ISLAND IS APPROXIMATELY 570,000 C.Y., WITH 259,500 C.Y. SEAWARD OF THE SPRING TIDE LINE. IF TAPERS CANNOT BE PLACED ON FINS PROPERTY, THE TAPER VOLUME WILL BE PLACED WITHIN THE FIRST 1000 FEET WITHIN THE COMMUNITY.

LEGEND:

- COMMENCEMENT POINT RING 00
- USACE SURVEY MONUMENTS
- CONTOURS
- 10' CONTOUR
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- SPOT ELEVATION

ATLANTIC OCEAN

0 50 100
GRAPHIC SCALE IN FT

THOMAS J CAMPBELL P.E. NO. 56457

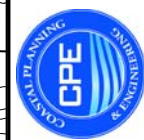
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CENTRAL FIRE ISLAND SEGMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT
CENTRAL FIRE ISLAND
PLAN VIEW

DRAWING NO.

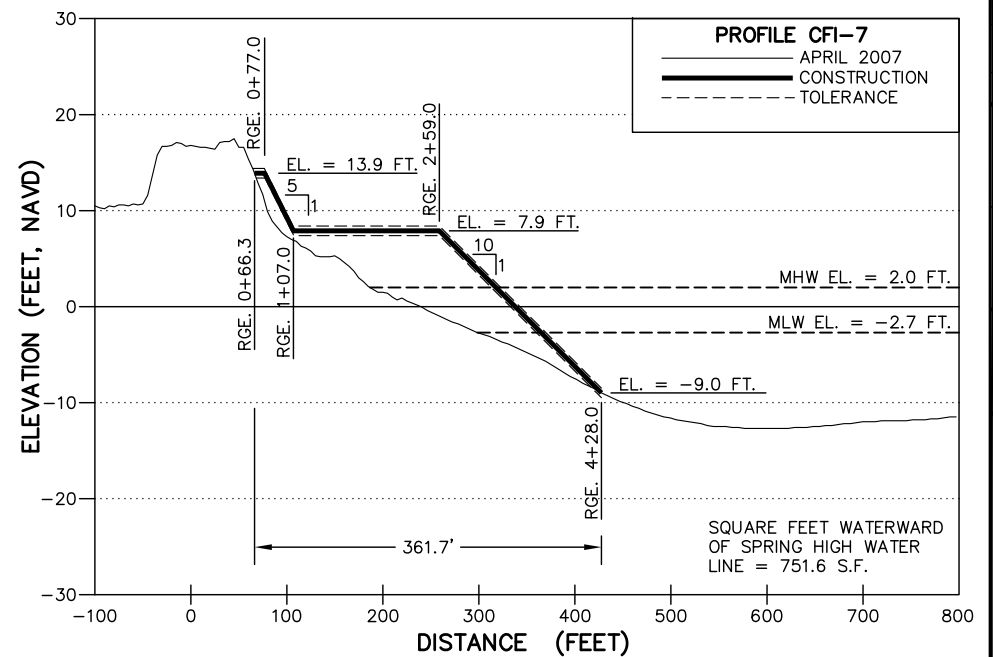
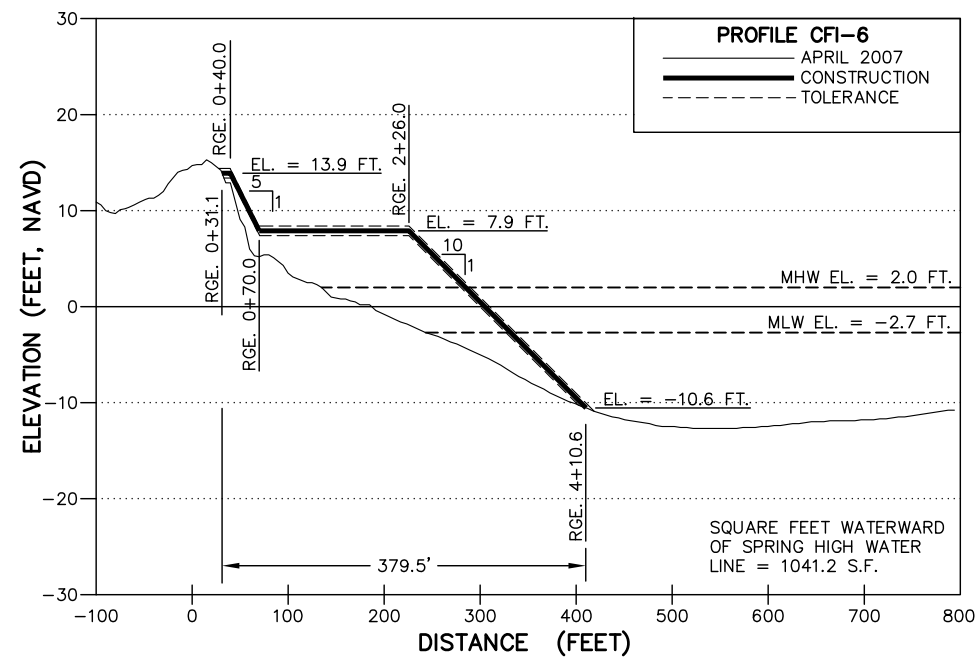
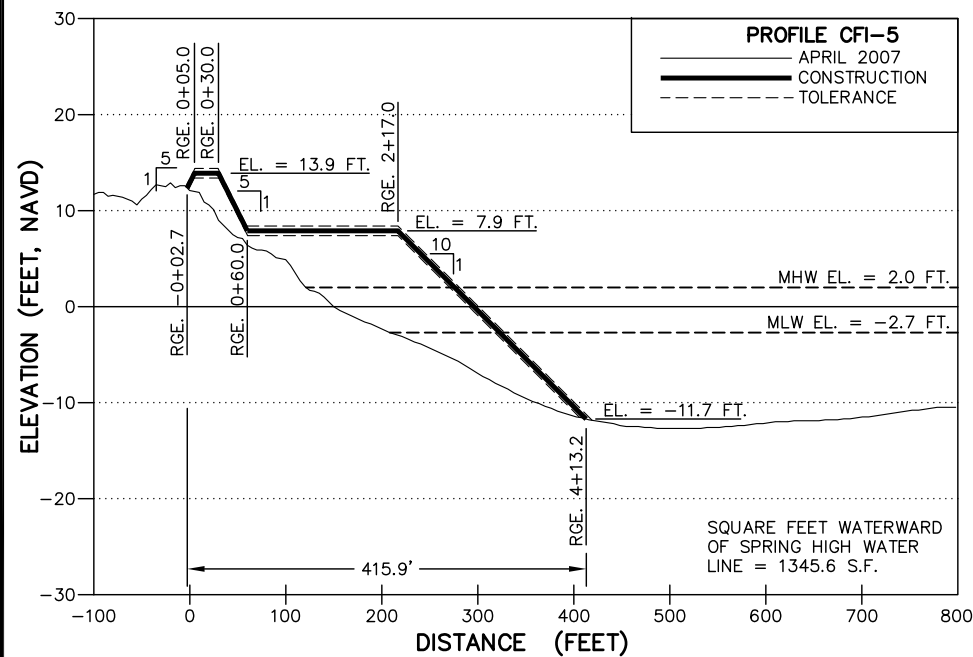
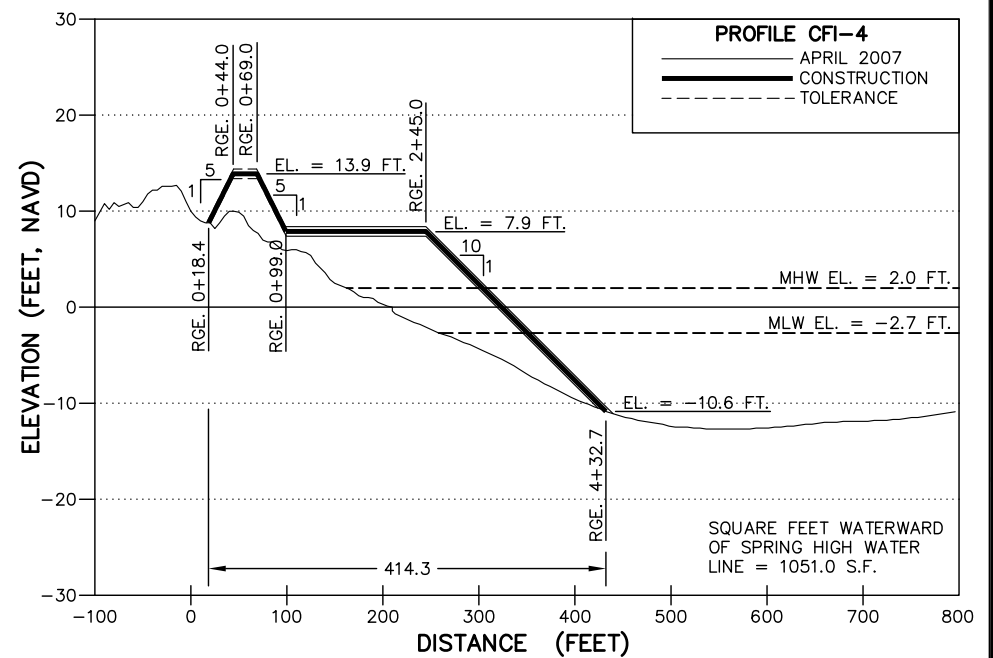
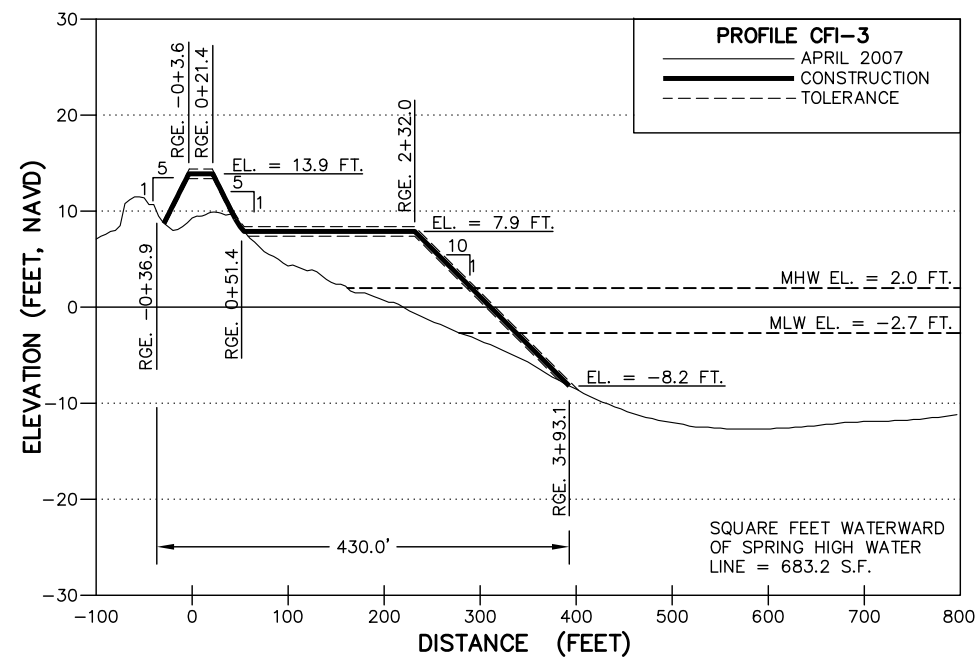
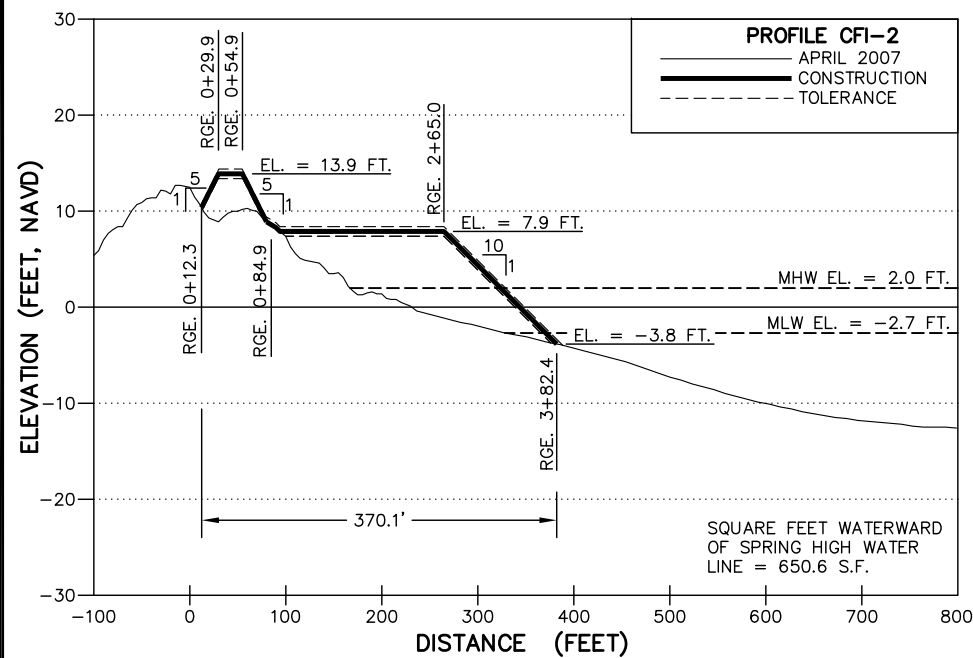
PV-3

SHEET 5 OF 16




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Reference Files	Designed by:	Checked 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NOTES:

1. ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD,88).
2. TOLERANCE: ± 0.5 FT.

HORIZONTAL SCALE:  0 50 100
GRAPHIC SCALE IN FT

VERTICAL SCALE:  0 5 10
GRAPHIC SCALE IN FT

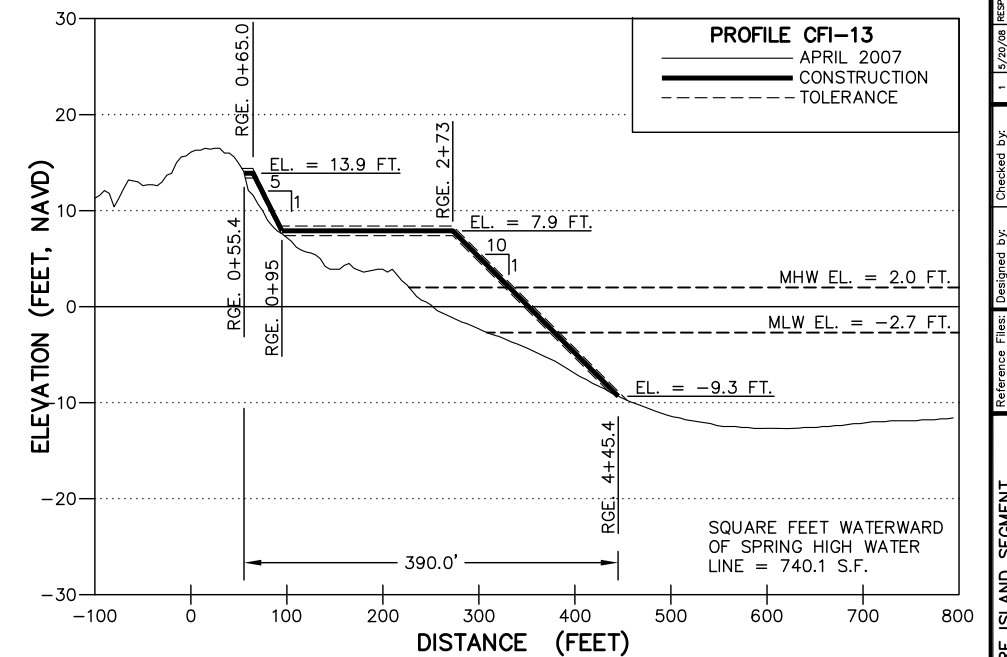
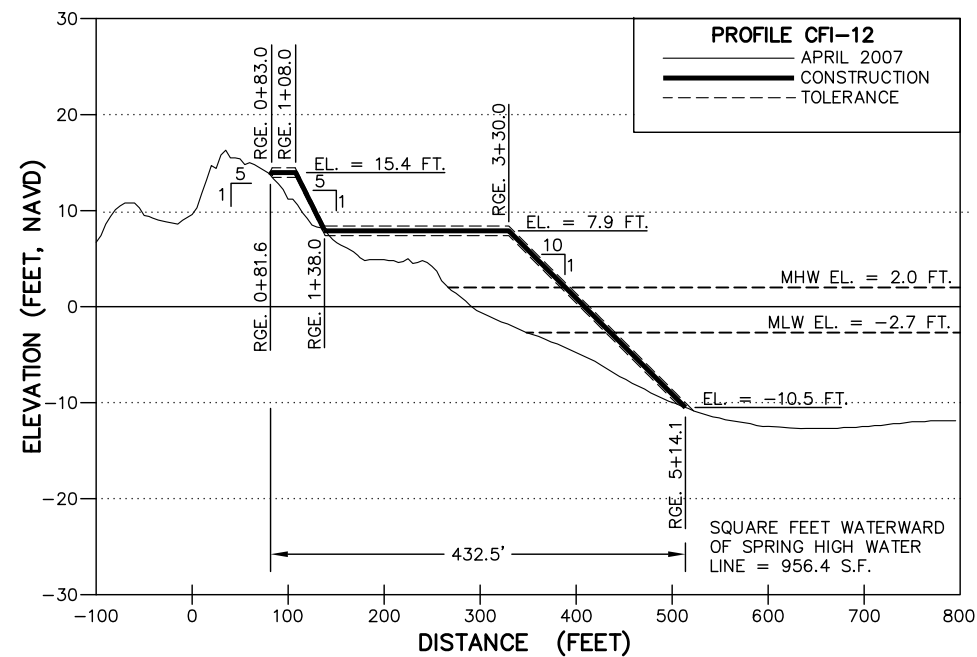
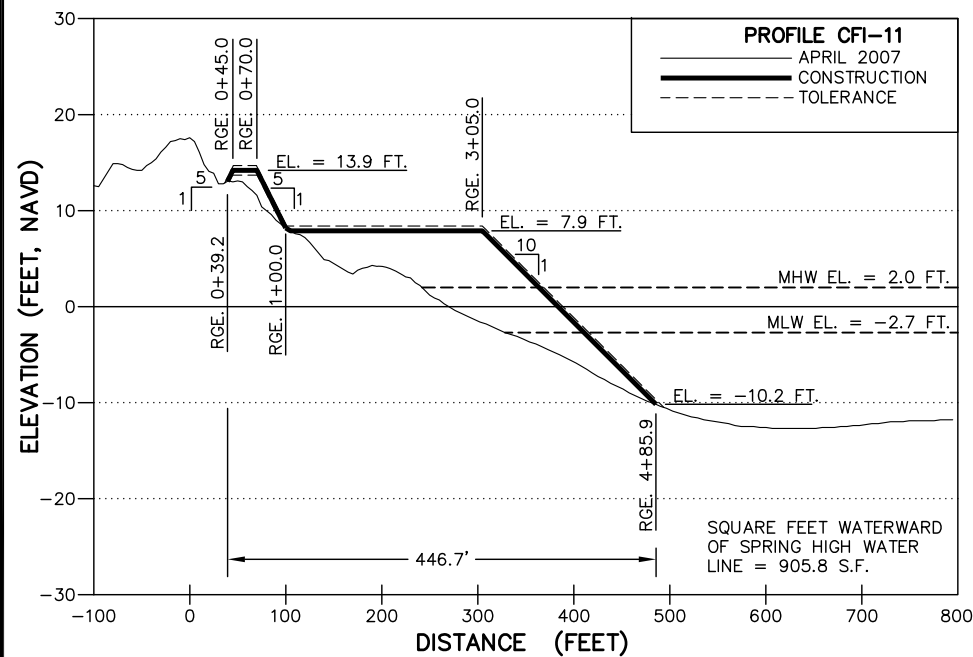
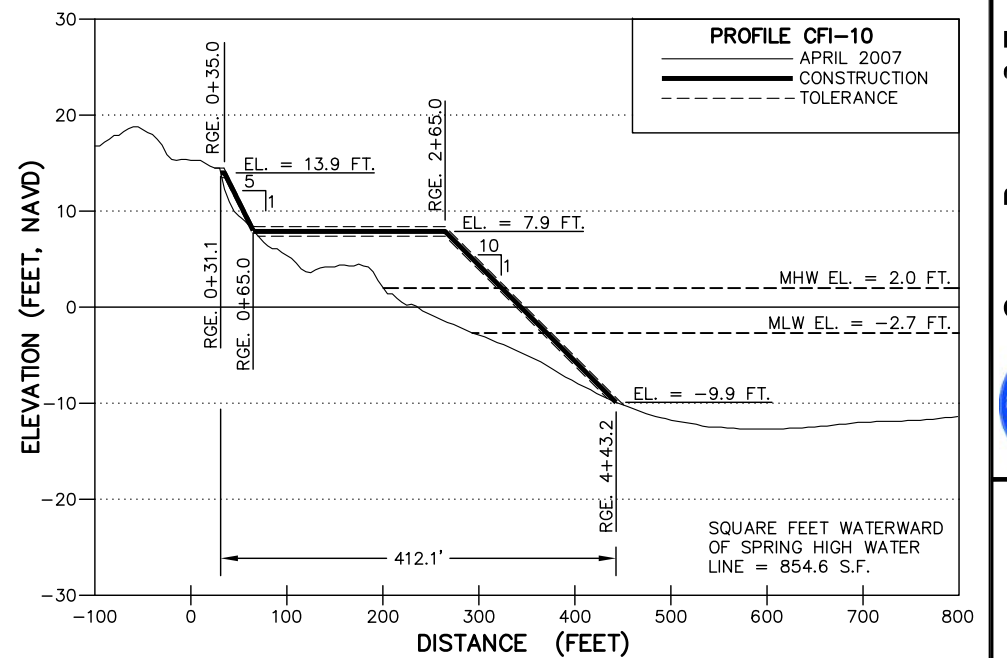
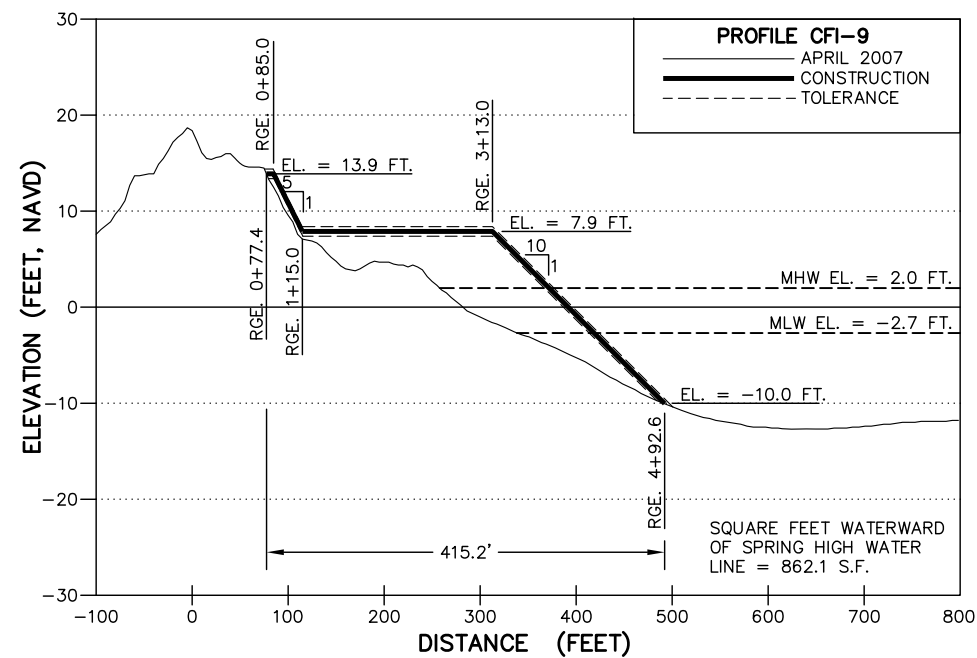
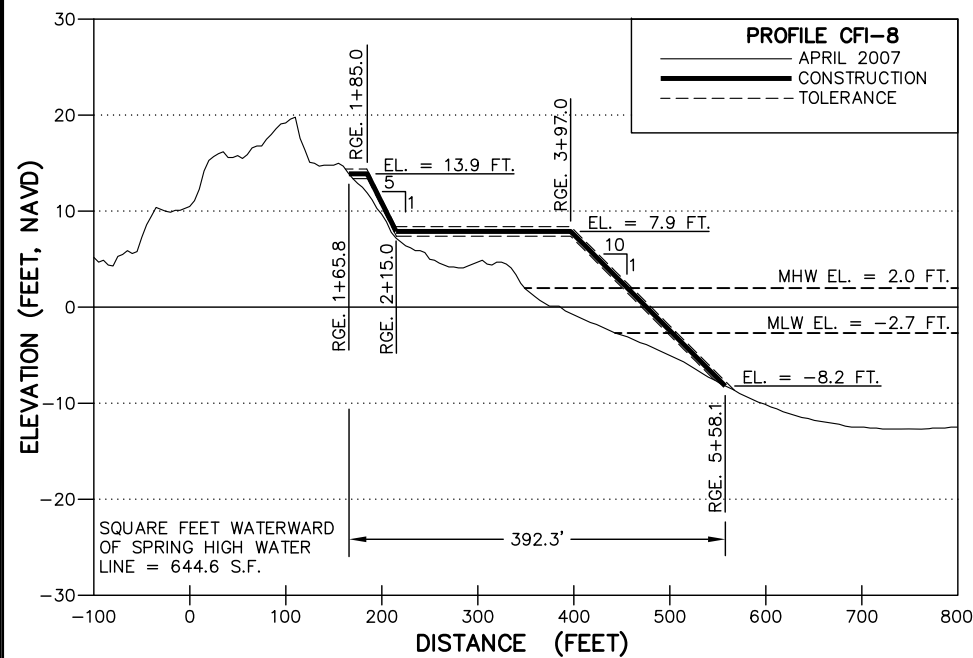
THOMAS J CAMPBELL P.E. NO. 56457

DATE _____

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BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
C.O.A. NY #4582
www.CoastalPlanning.net





DRAWING NO.		PR-1	
SHEET 6 OF 16			
<p>GETTYSBURG FIRE ISLAND NEW YORK 2008 BEACH RENOURNEMENT PROJECT</p> <p>FILL CROSS SECTIONS</p>			
730032_BORDER.DWG	SK	AMB	2
	Drawn by:	Reviewed by:	6/22/08 INS EA
	JRC	SK	
	Date:	Submitted by:	
	4/1/08	SK	
	Plot Scale:	Comm. No.:	
	AS NOTED	7300.32	
No.	Date	Description	



NOTES:

1. ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD,88).
2. TOLERANCE: ± 0.5 FT.

HORIZONTAL SCALE:  0 50 100
GRAPHIC SCALE IN FT

VERTICAL SCALE:  0 5 10
GRAPHIC SCALE IN FT

THOMAS J CAMPBELL P.E. NO. 56457

DATE _____

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730032_BORDER.DWG		SK	AMB	2	6/25/08	FMS EA
Drawn by:		Reviewed by:				
JRC		SK				
Date:		Submitted by:				
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Plot Scale:		Comm. No.:				
AS NOTED		7300.32				
No.		Date		Description		

CENTRAL FIRE ISLAND ELEMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT

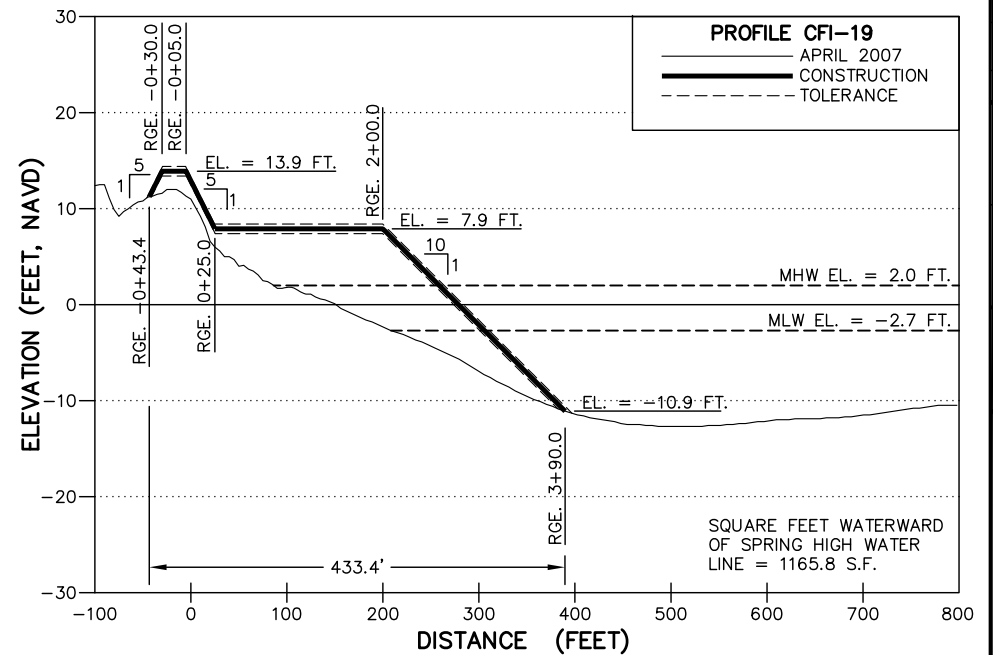
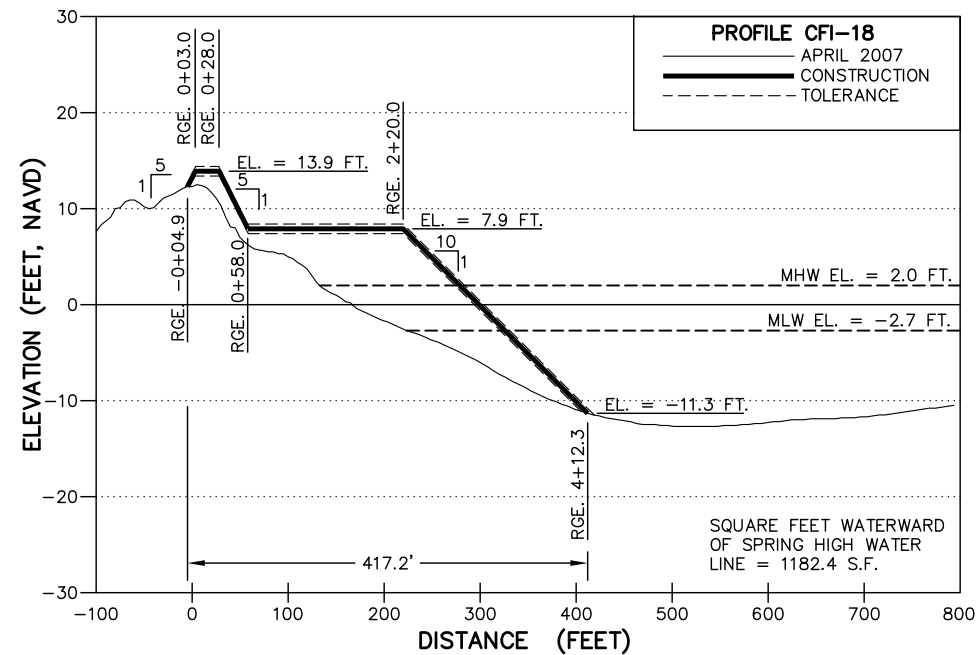
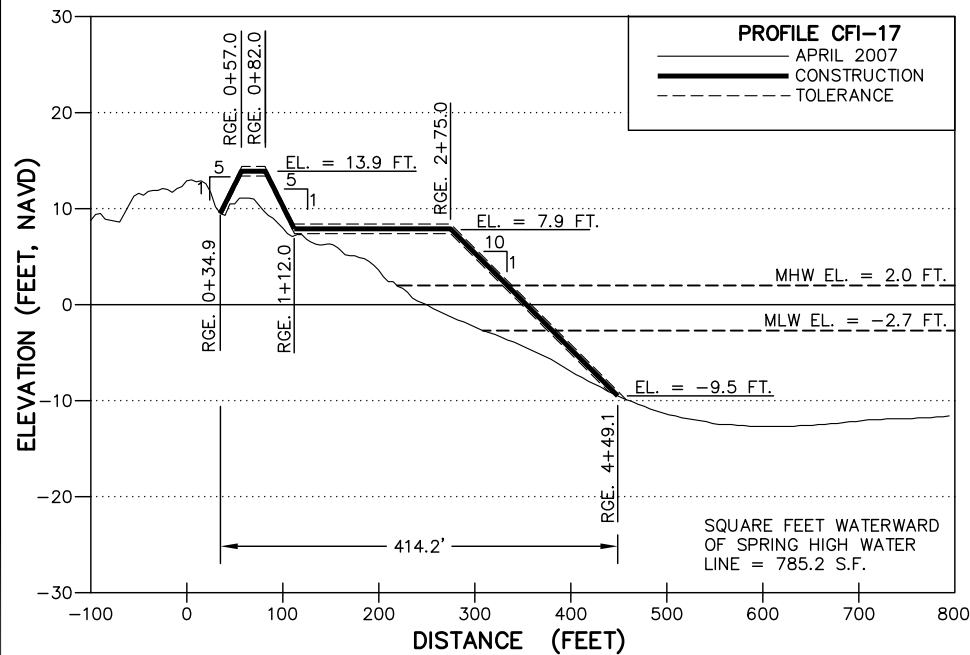
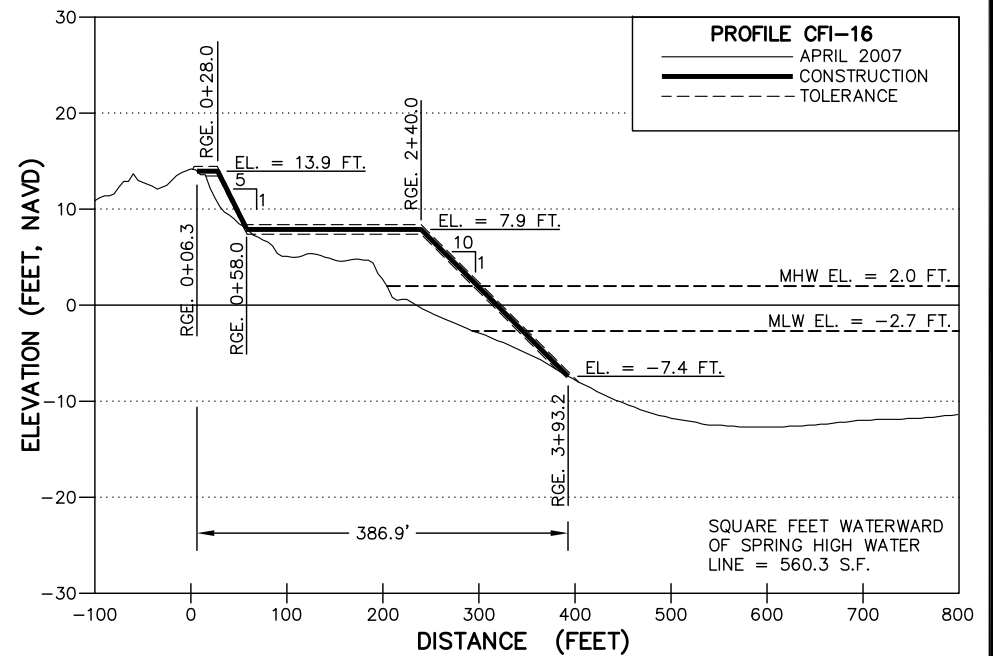
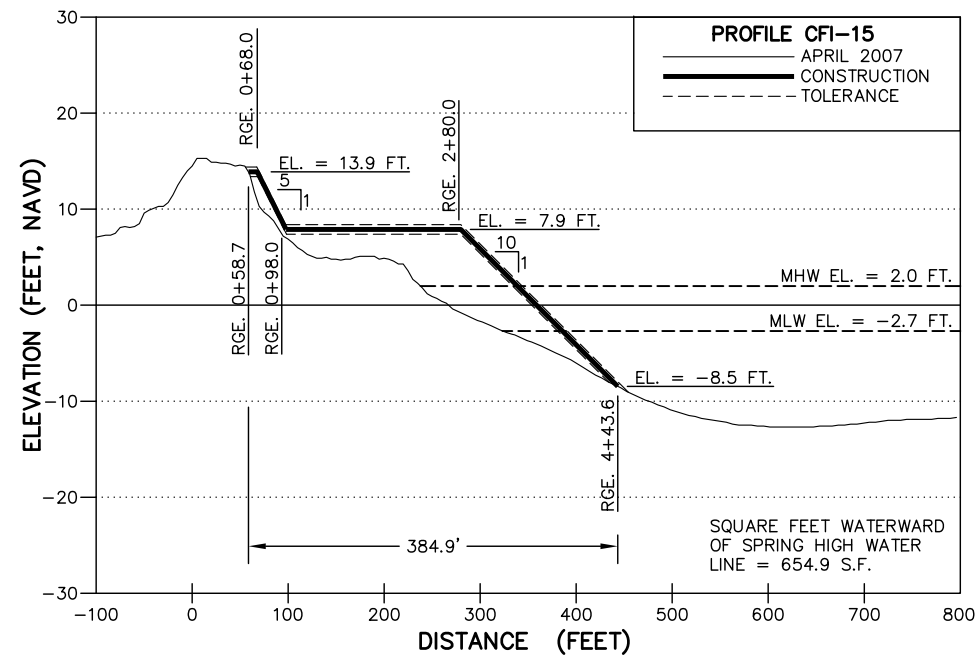
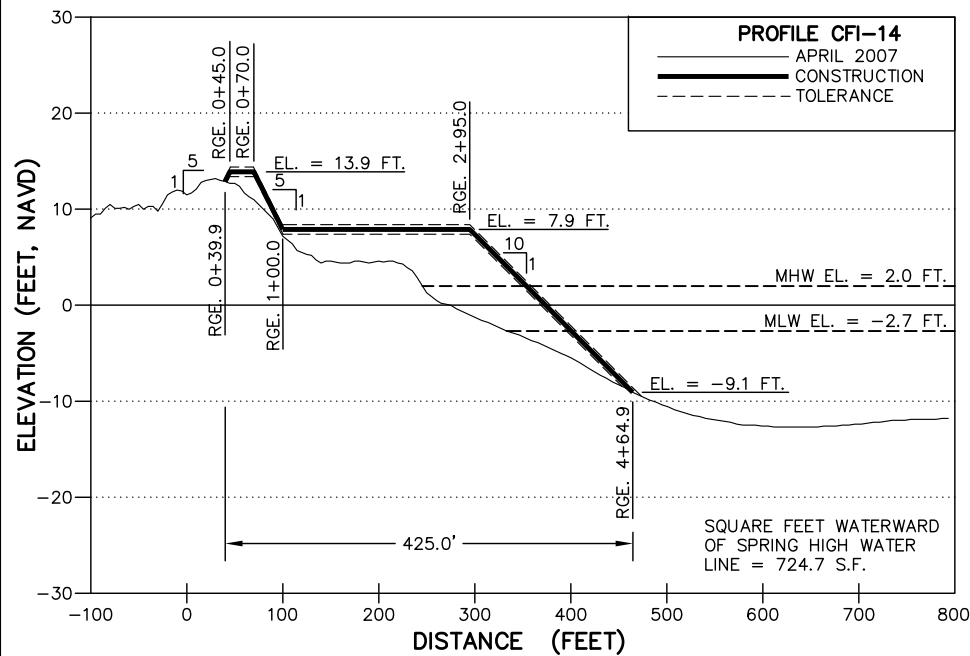
FILL CROSS SECTIONS

DRAWING NO.

PR-2

SHEET 7 OF 16

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NOTES:

1. ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD,88).
2. TOLERANCE: ± 0.5 FT.

HORIZONTAL SCALE: 0 50 100
GRAPHIC SCALE IN FT
VERTICAL SCALE: 0 5 10
GRAPHIC SCALE IN FT

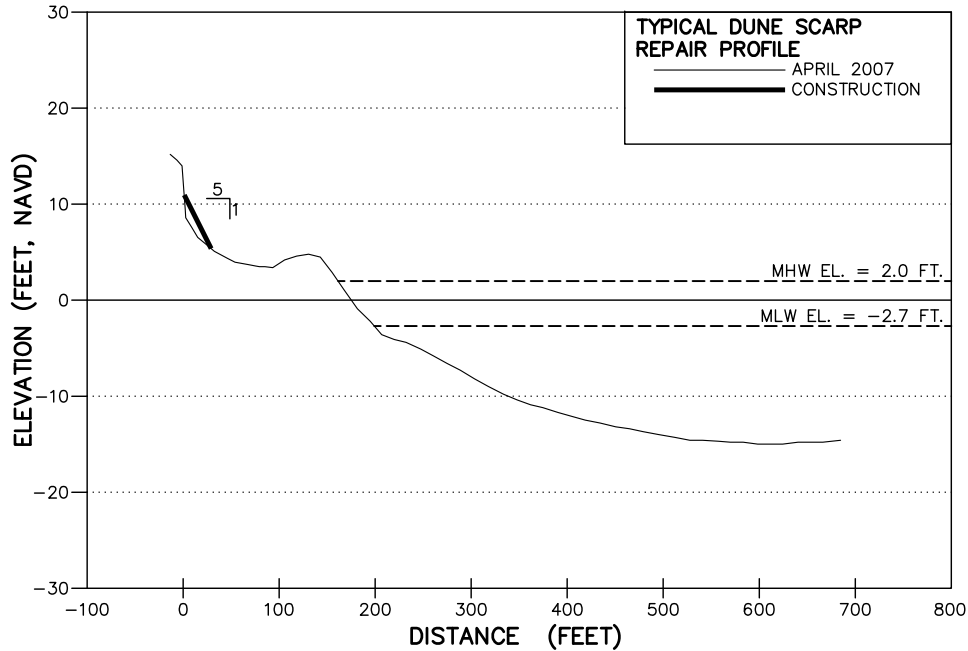
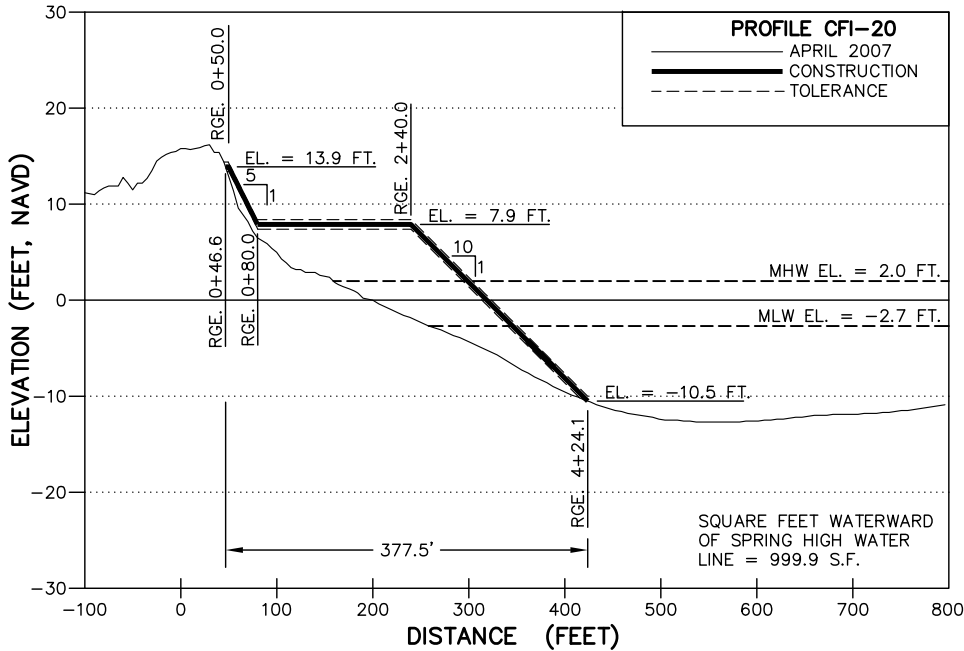
THOMAS J CAMPBELL P.E. NO. 56457

DATE



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	JRC	SK			
	Date:	Submitted by			
	4/1/08	SK			
	Comm. No.:				
	Plot Scale:				
	AS NOTED	7300.32	No.	Date	Description

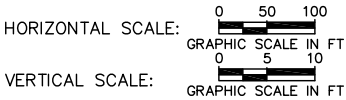
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TYPICAL DUNE SCARP REPAIR PROFILE:
THE SCARP WILL BE REPAIRED BY PUSHING SAND INTO A 1V:5H SLOPE TO COVER THE SCARPED FACE OF THE DUNE. THE REPAIR WILL NOT INCREASE THE DUNE WIDTH.

NOTES:

- ELEVATIONS ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD,88).
- TOLERANCE: ± 0.5 FT.



THOMAS J CAMPBELL P.E. NO. 56457

DATE

CENTRAL FIRE ISLAND SEGMENT
FIRE ISLAND, NEW YORK
2008 BEACH RENOURISHMENT PROJECT

FILL CROSS SECTIONS

DRAWING NO.

PR-4

SHEET 9 OF 16

Coastal Planning & Engineering of NY PC
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
C.O.A. NY #4582



Reference Files:	Designed by:	Checked by:	1	5/20/08	RESPONSE TO USACE RAI
730032_000000.dwg	SK	AMB	2	6/25/08	FINIS EA
	Drawn by:	Reviewed by:			
	JRC	SK			
	Date:	Submitted by:			
	4/1/08	SK			
	Plot Scale:	Comm. No:		No.	Date
	AS NOTED	7300.32			
					Description