

TI Coastal Services, Inc.
3873 N. Green Meadows Drive
Wilmington, NC 28405
910.821.1358

SEPI
CONSTRUCTION

Graphic Scales

0' 250' 500' 1,000'

Horizontal Scale: 1" = 500'

Vertical Datum Conversion

NAV88

2.05'

Mean Low Water

North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

Post Construction Survey - November 2017

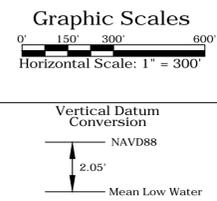
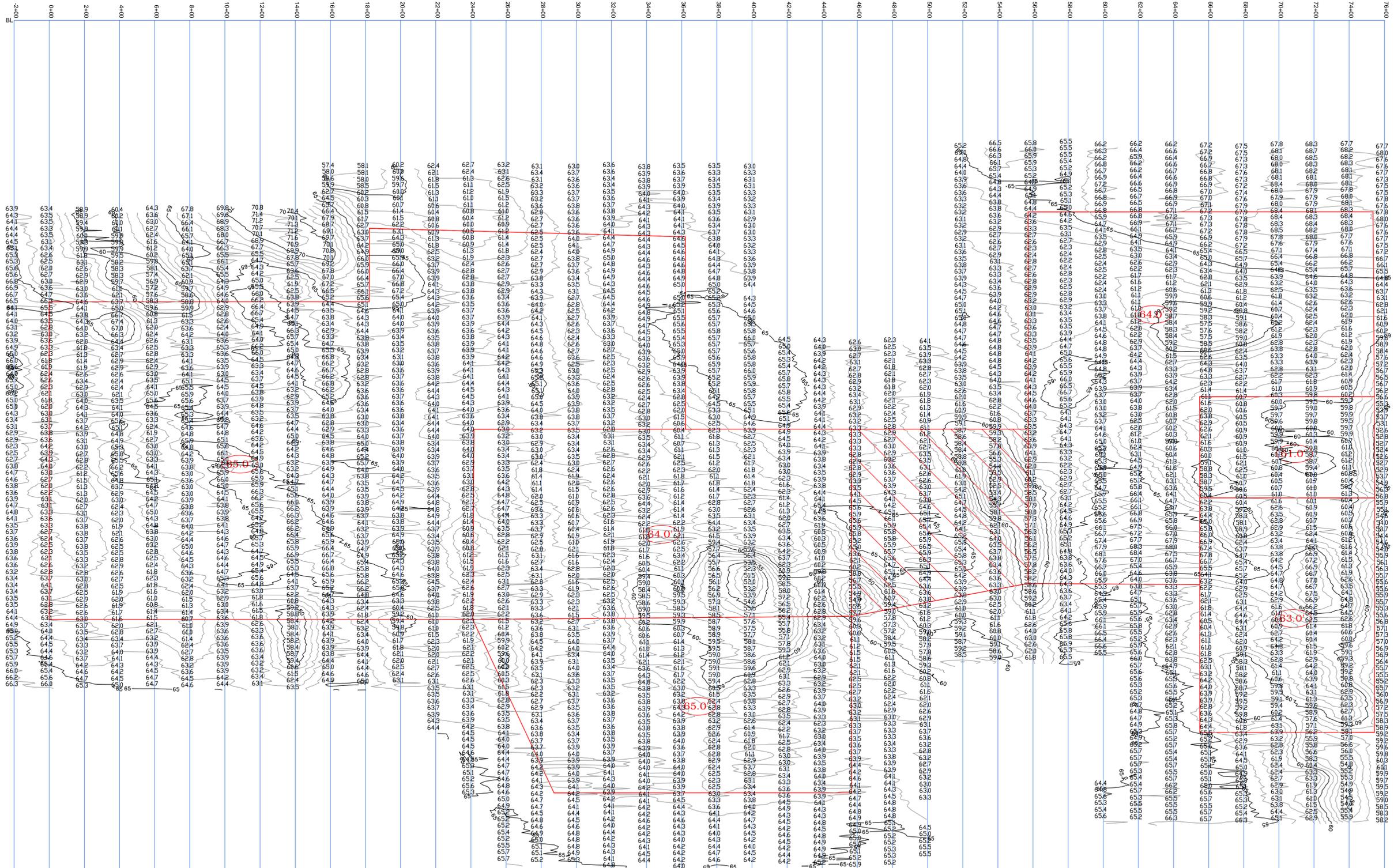
Bathymetry and Contours - Borrow Area A

Henry P. Fitts, NCPLS #L-3326

Notes:

1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
2. Vertical Datum: NAV88
3. Data collected by TI Coastal on October 27 and 28 and November 2 and 21, 2017 and represent conditions at that time.
4. Soundings are expressed in feet and tenths.
5. Borrow Area boundaries and dredge depths derived from CP&E of NC construction plans.

DWG NAME: Borrow Areas Post Con Survey.dwg	SURVEY DATE: Oct. & Nov. 2017
DWG DATE: December 7, 2017	SCALE: 1" = 500'
SHEET: 1 OF 9	



North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

Post Construction Survey - November 2017

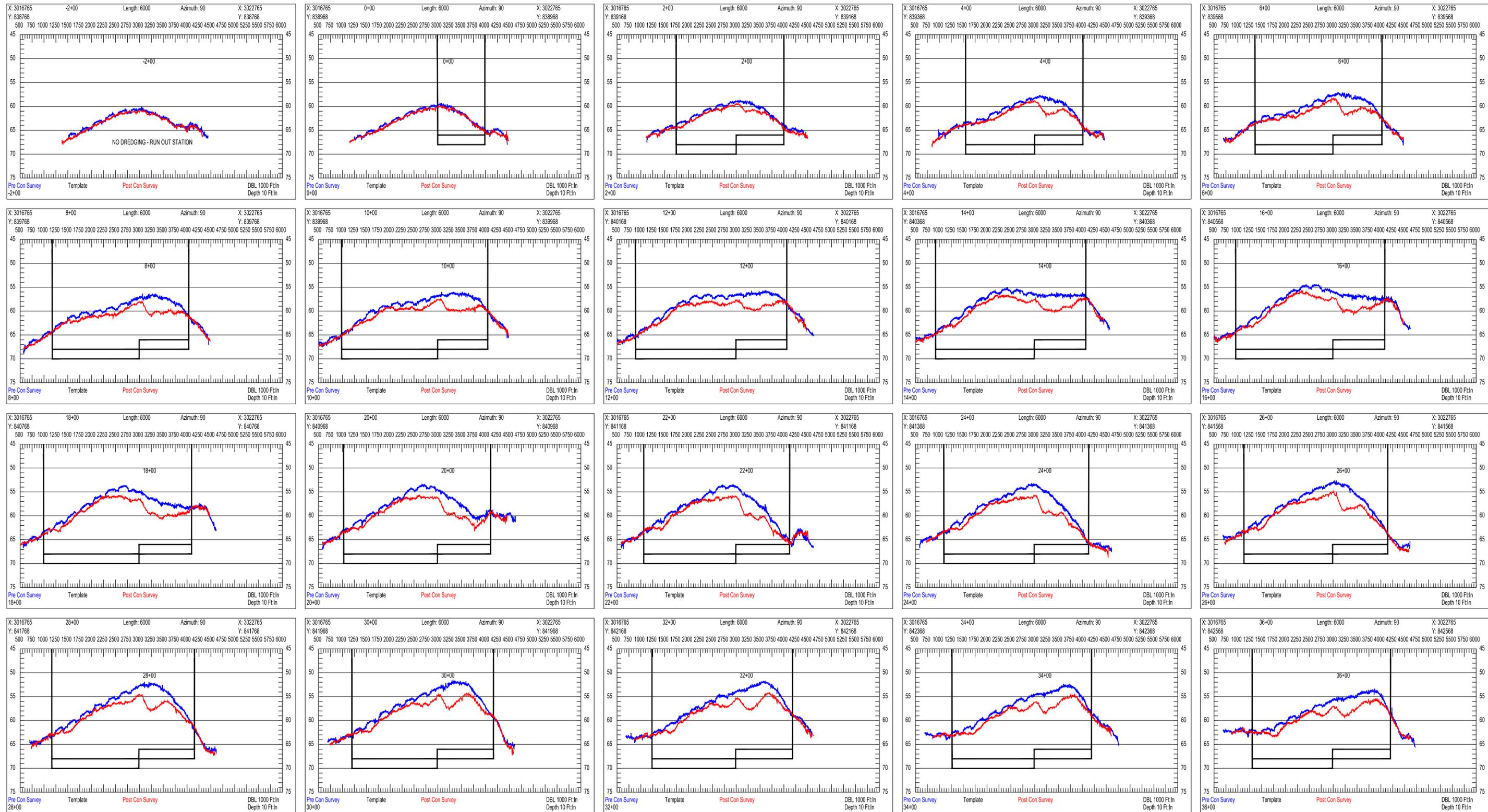
Bathymetry and Contours - Borrow Area C

Notes:

1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
2. Vertical Datum: NAVD88
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DWG NAME: Borrow Areas Post Con Survey.dwg	
DWG DATE: December 7, 2017	SURVEY DATE: Oct. & Nov. 2017
SCALE: 1" = 300'	SHEET: 2 OF 9

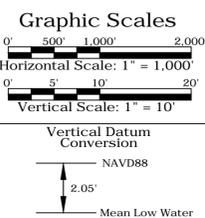
Henry P. Fitts, NCPLS #L-3326



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SEPI
SPECIALTY ENGINEERING
CONSTRUCTION



North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

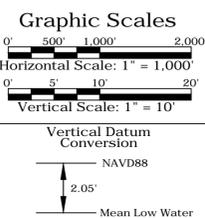
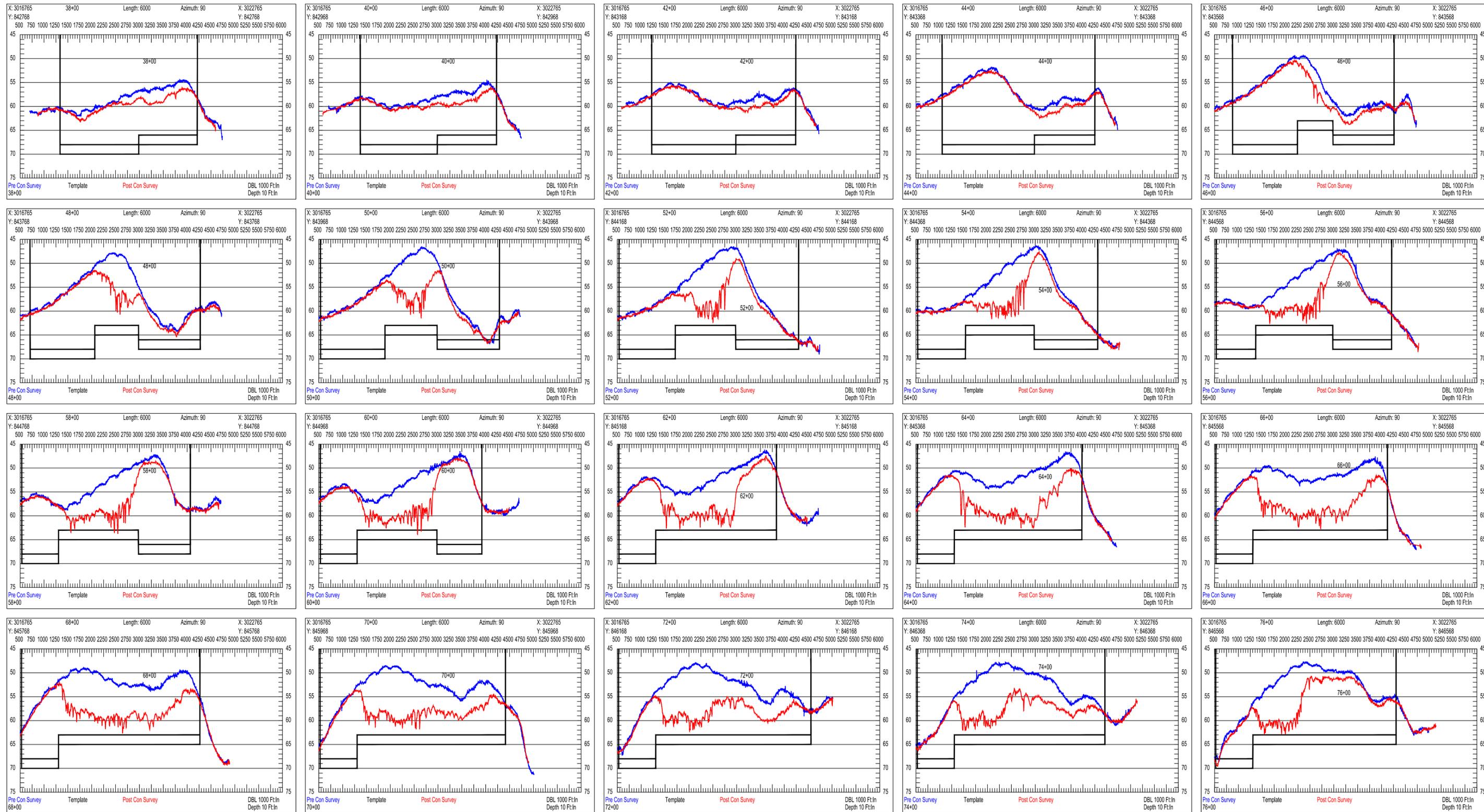
Post Construction Survey - November 2017

Cross Sections - Borrow Area A Station -2+00 to 36+00

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DWG DATE: December 7, 2017	SURVEY DATE: Oct. & Nov. 2017
SCALE: As Shown	SHEET: 3 OF 9

Henry P. Fitts, NCPLS #L-3326



North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

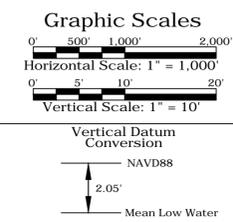
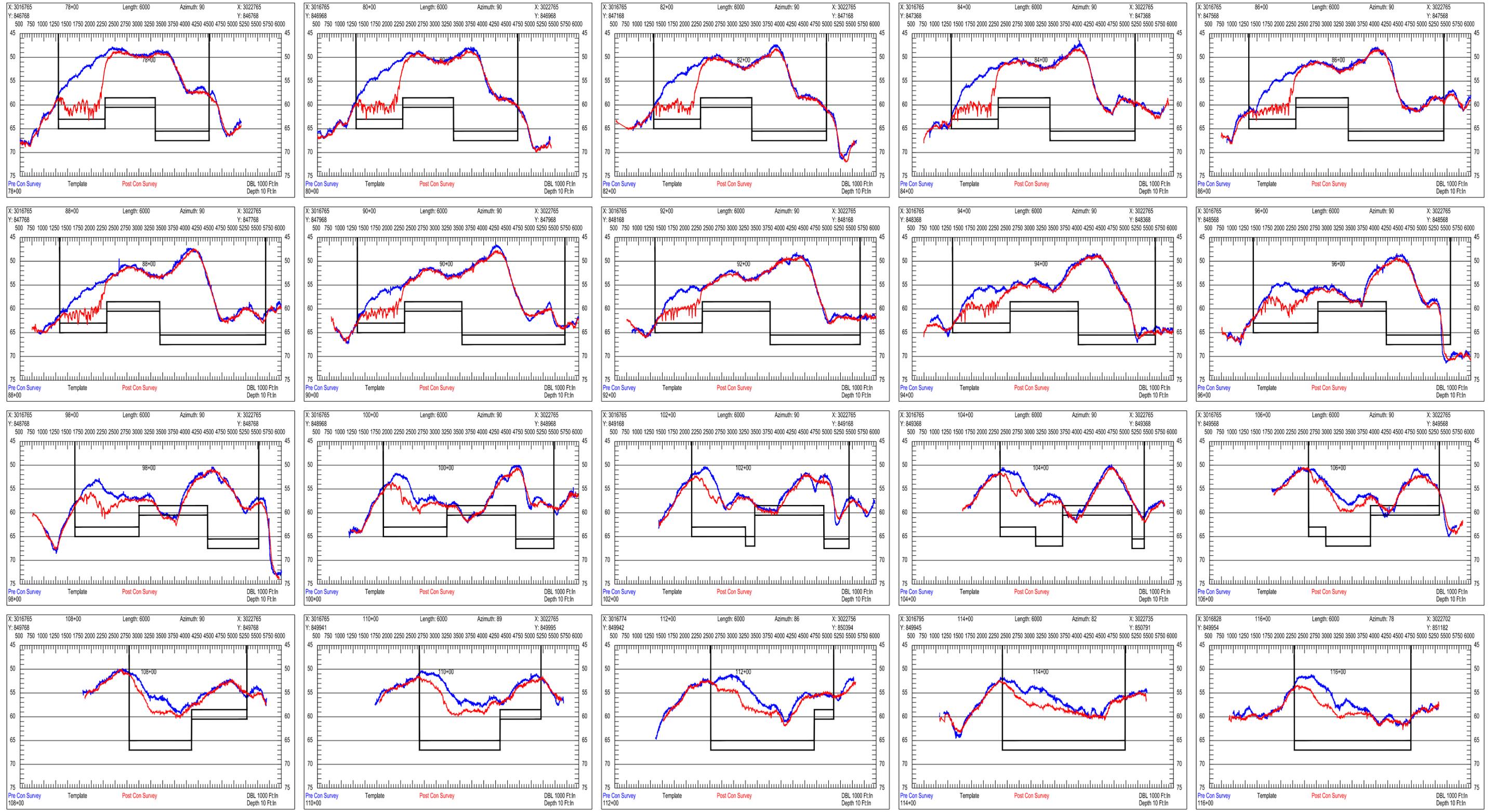
Post Construction Survey - November 2017

Cross Sections - Borrow Area A Station 38+00 to 76+00

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- Notes:**
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
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SCALE: As Shown	SHEET: 4 OF 9



North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

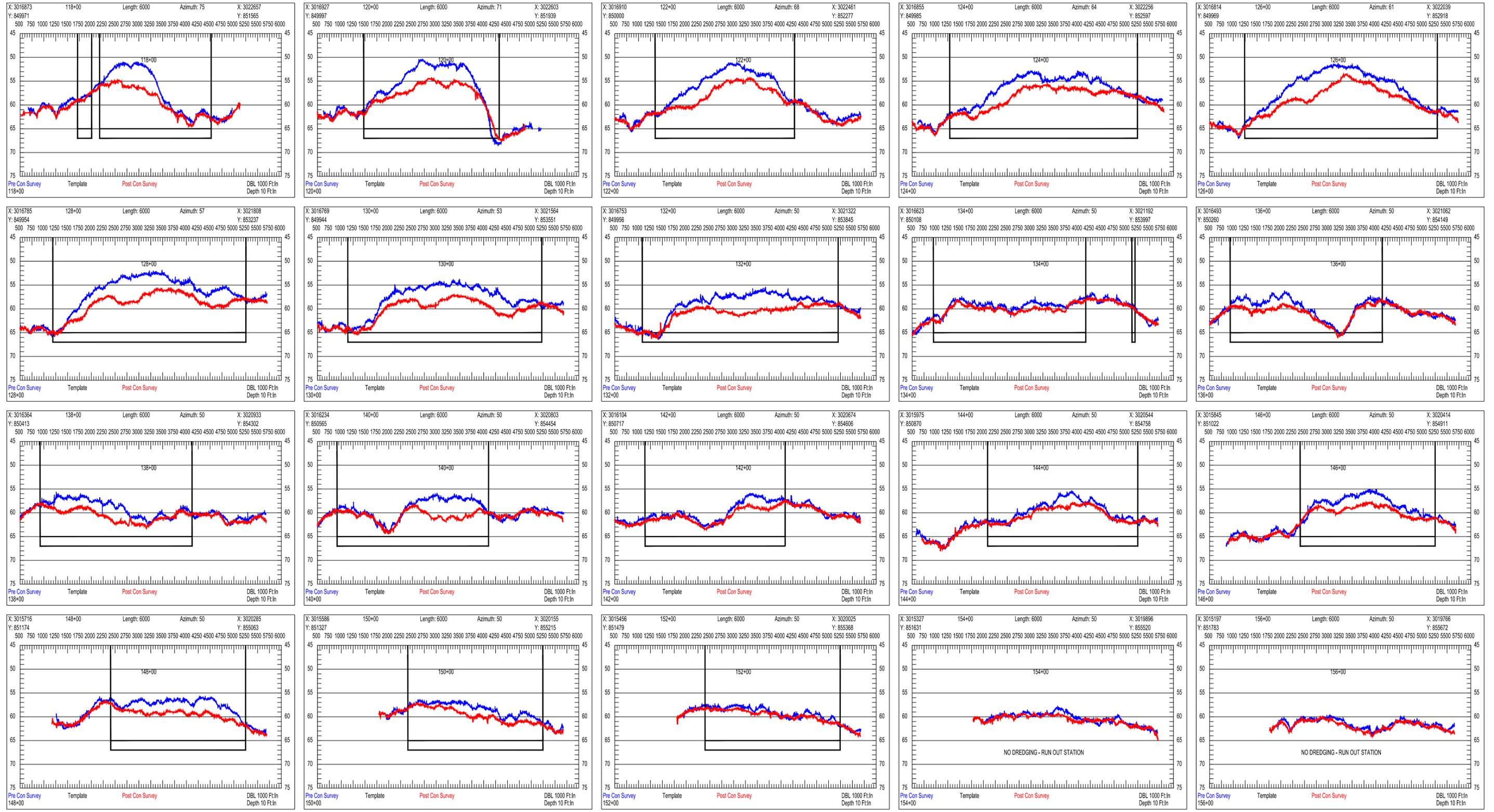
Post Construction Survey - November 2017

Cross Sections - Borrow Area A Station 78+00 to 116+00

- Notes:**
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
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SCALE: As Shown	SHEET: 5 OF 9

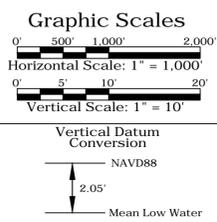
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ENGINEERING & CONSTRUCTION



North Dare County Beaches Nourishment Project

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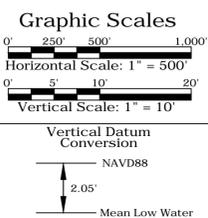
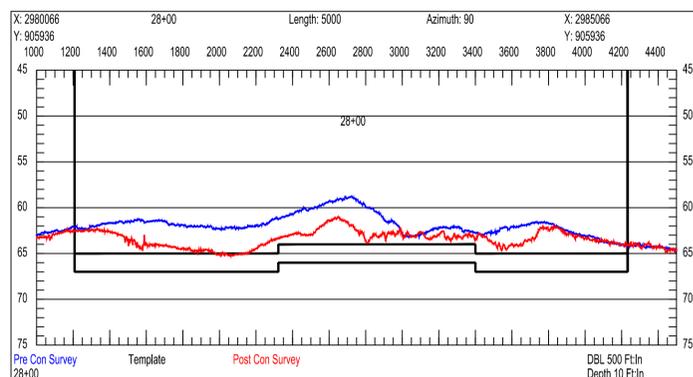
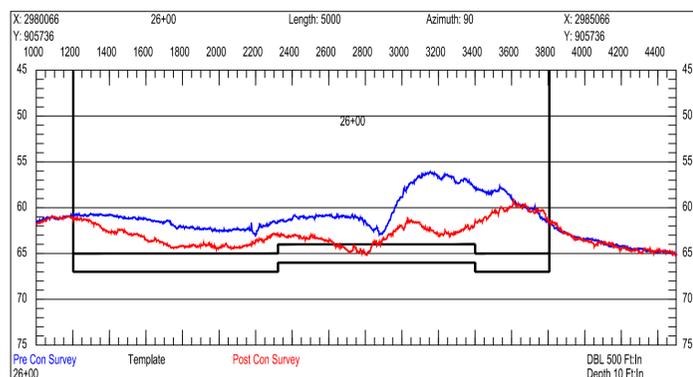
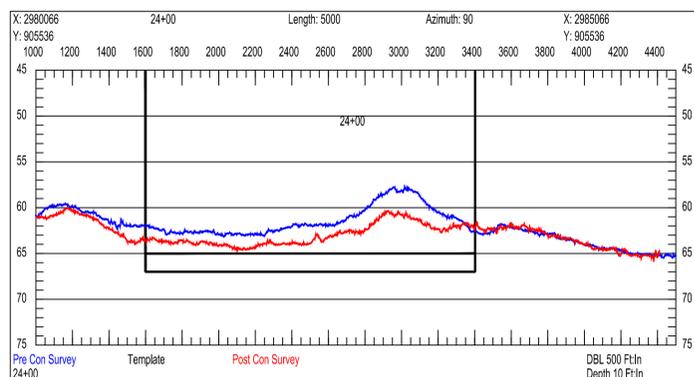
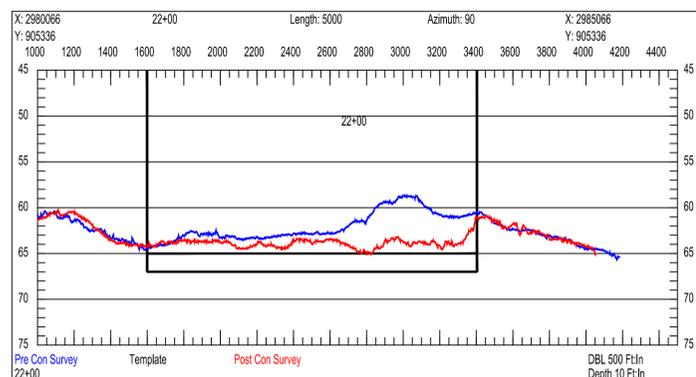
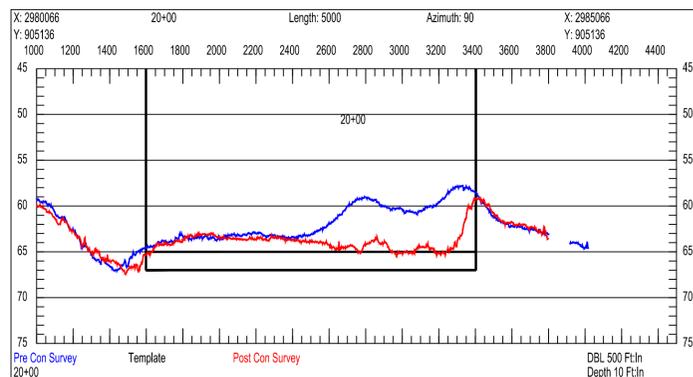
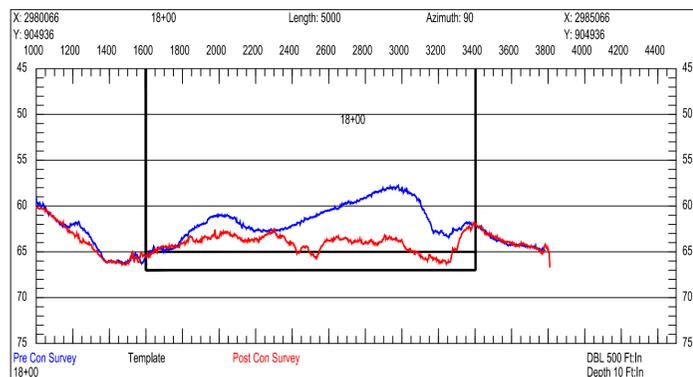
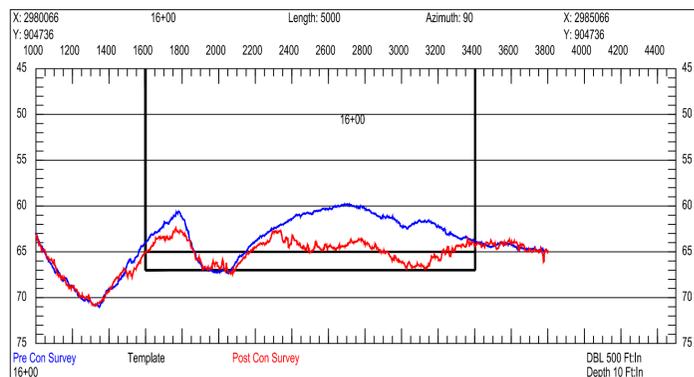
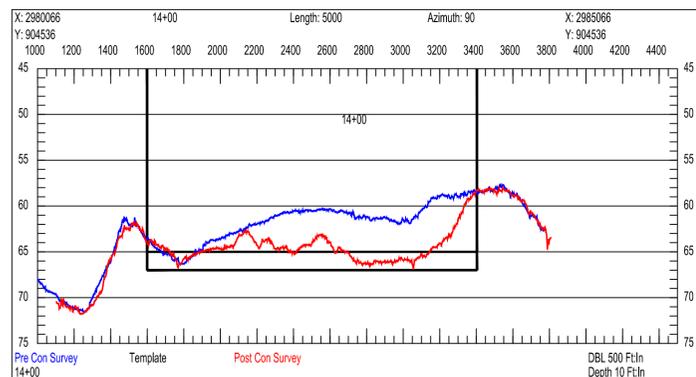
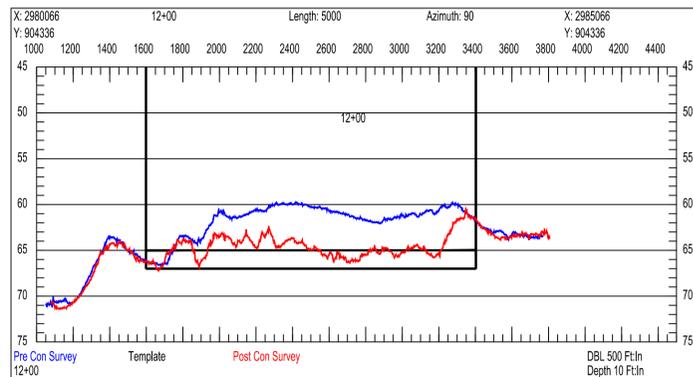
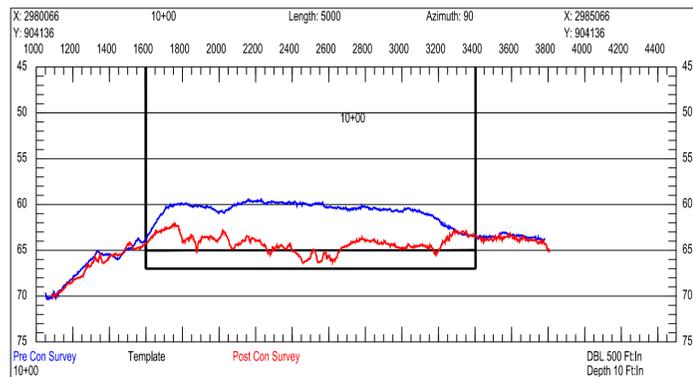
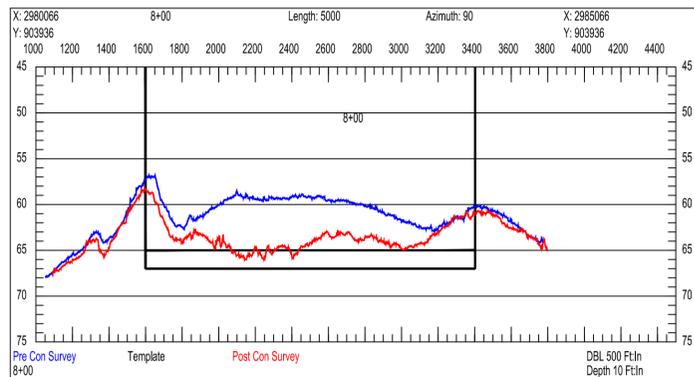
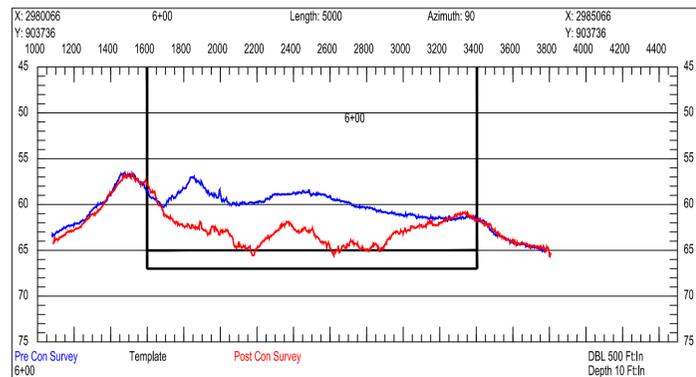
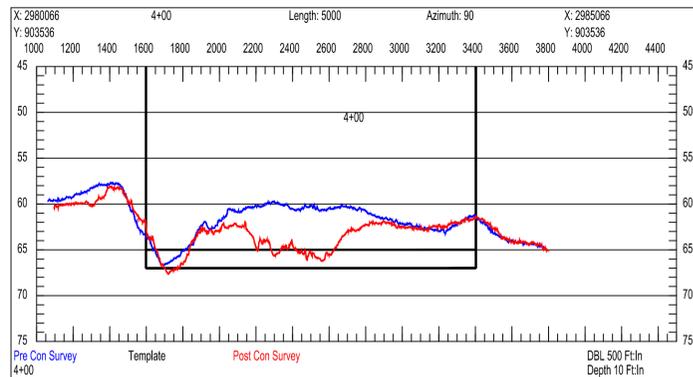
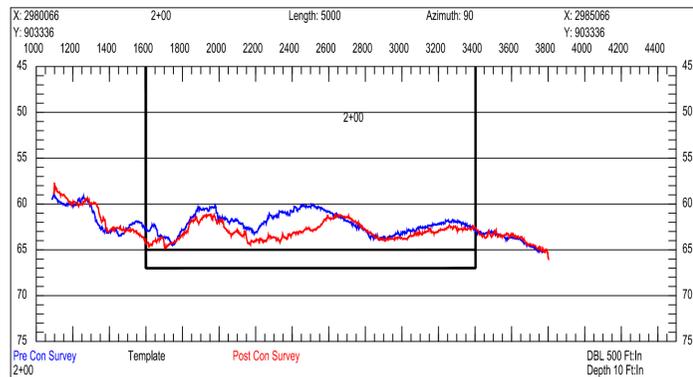
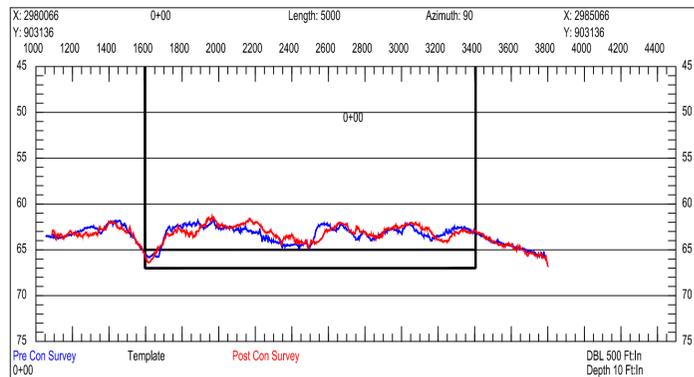
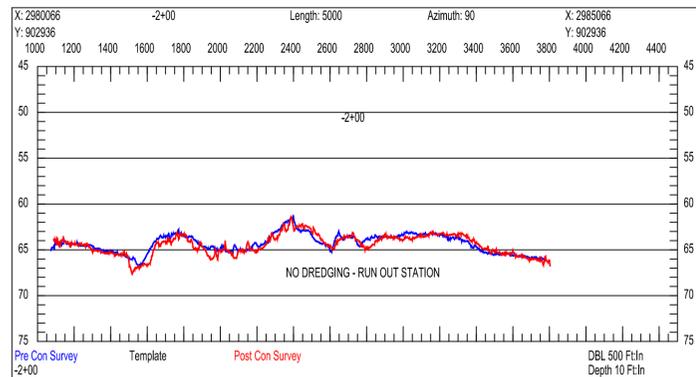
Post Construction Survey - November 2017

Cross Sections - Borrow Area A Station 118+00 to 156+00

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
 2. Vertical Datum: NAVD88
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DWG NAME: Borrow Areas Post Con Survey.dwg	
DWG DATE: December 7, 2017	SURVEY DATE: Oct. & Nov. 2017
SCALE: As Shown	SHEET: 6 OF 9

Henry P. Fitts, NCPLS #L-3326



North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

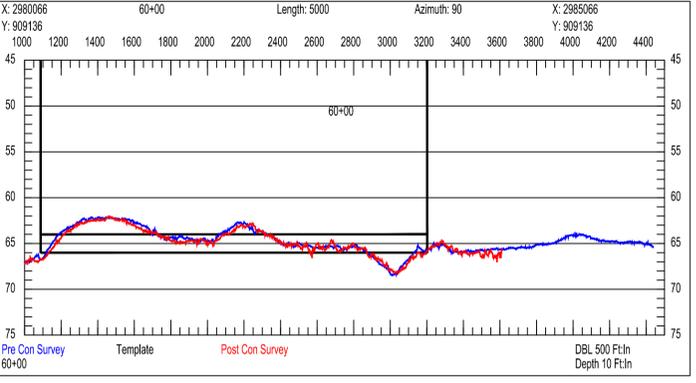
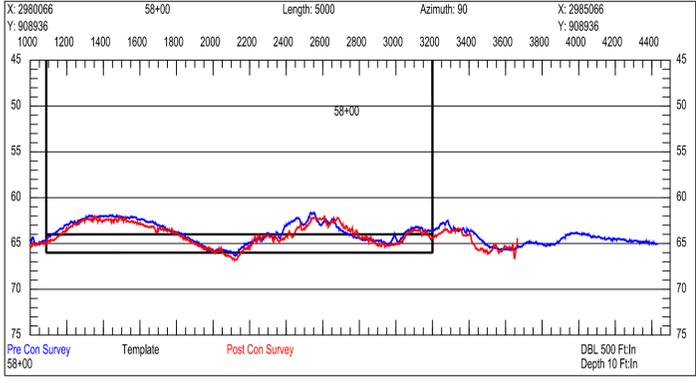
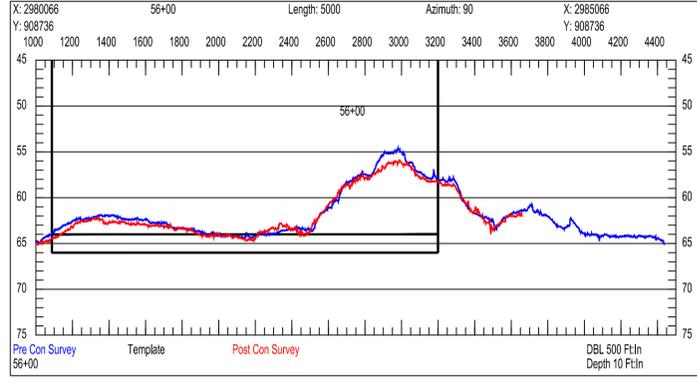
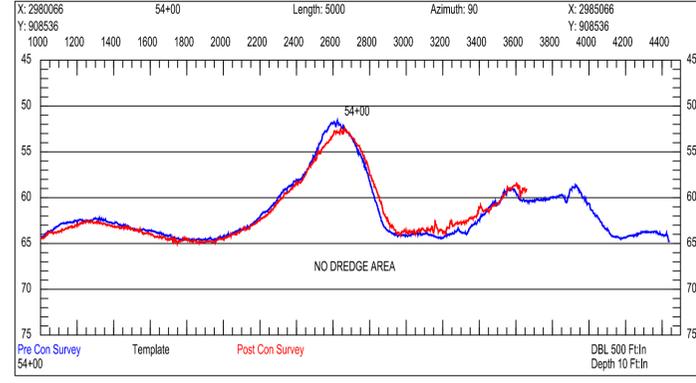
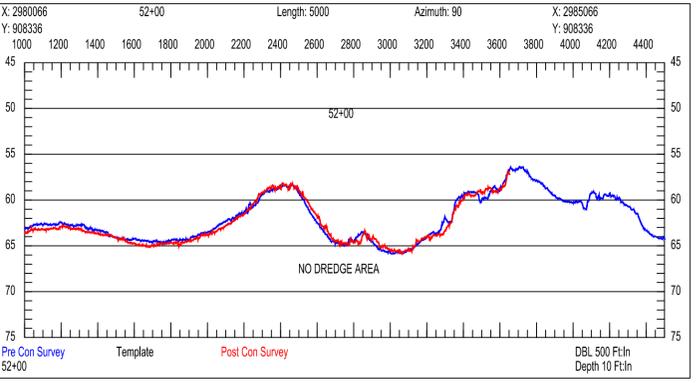
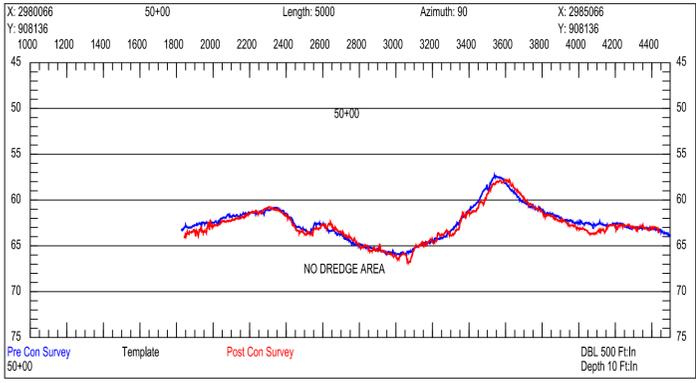
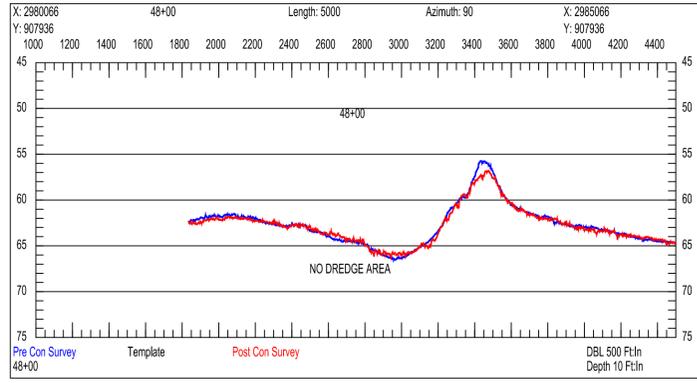
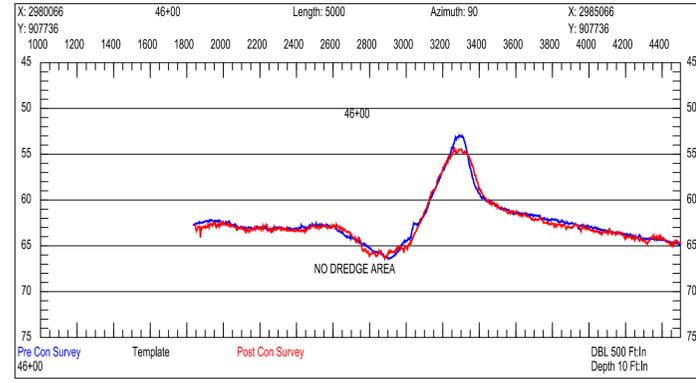
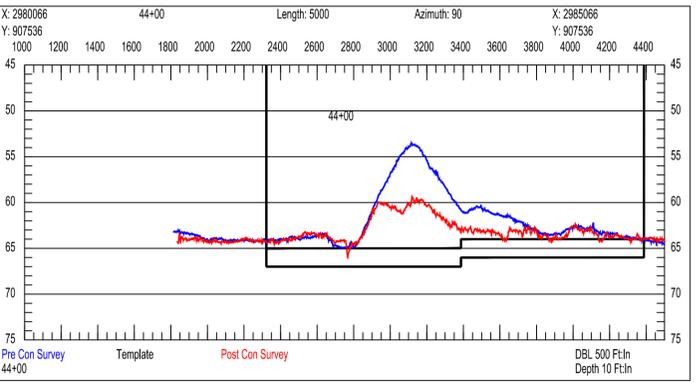
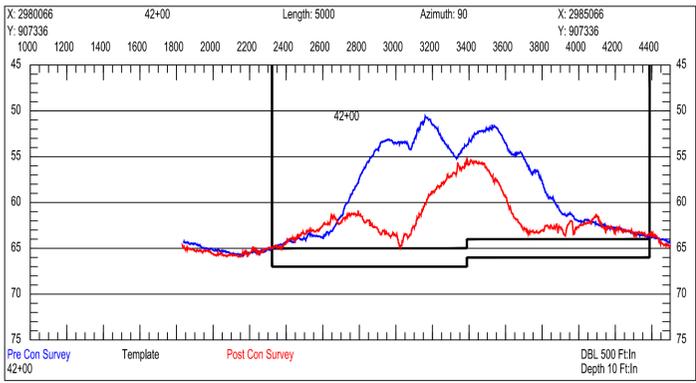
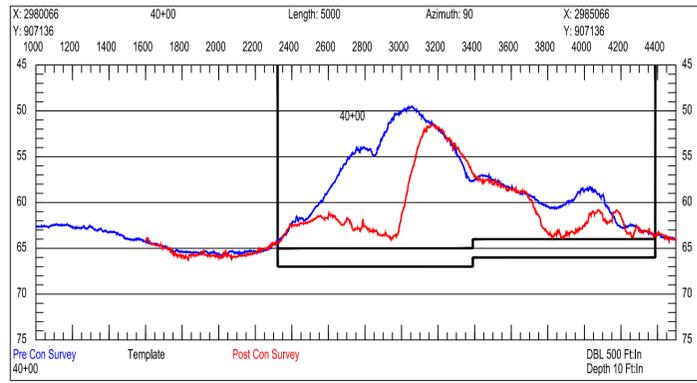
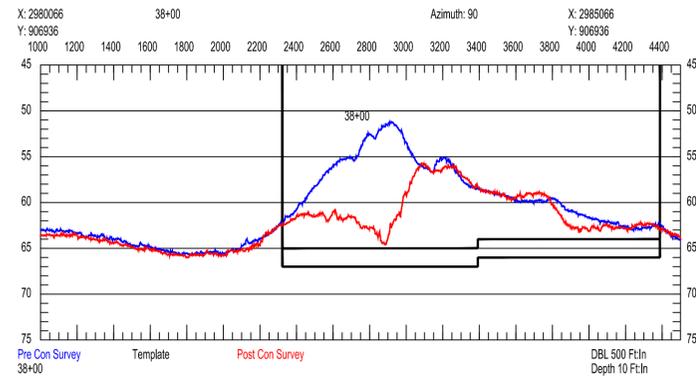
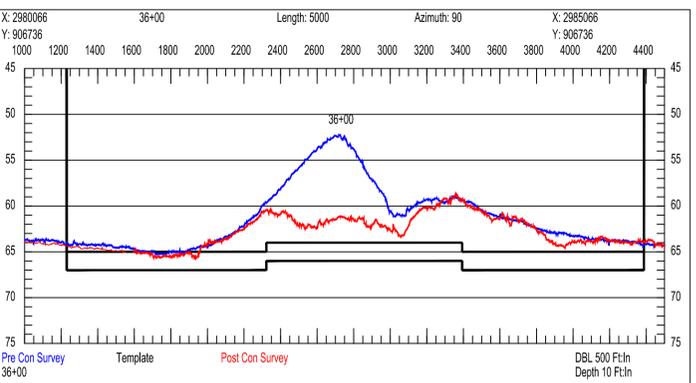
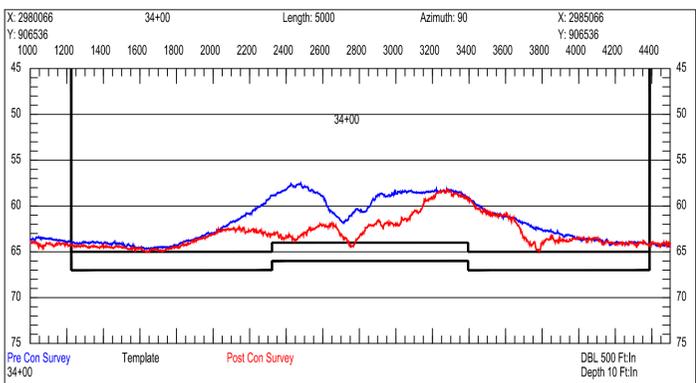
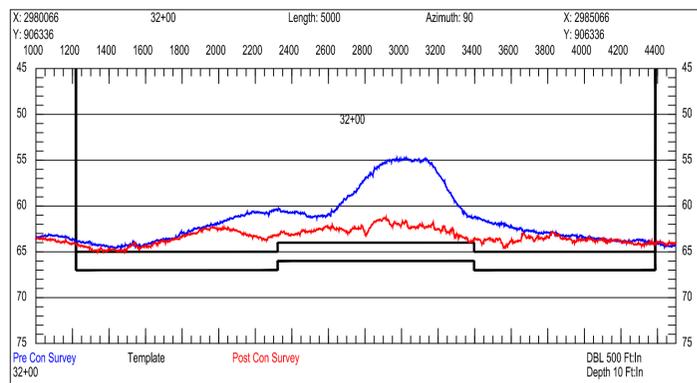
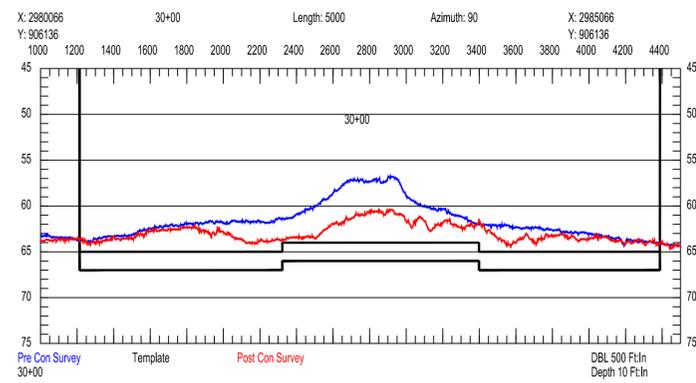
Post Construction Survey - November 2017

Cross Sections - Borrow Area C Station -2+00 to 28+00

- Notes:
1. Horizontal Datum: NC State Plane - Zone 3200, NAD83, Feet
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DWG DATE: December 7, 2017	SURVEY DATE: Oct. & Nov. 2017
SCALE: As Shown	SHEET: 7 OF 9

Henry P. Fitts, NCPLS #L-3326



Graphic Scales
 0 25' 50' 1,000'
 Horizontal Scale: 1" = 500'
 0 5' 10' 20'
 Vertical Scale: 1" = 10'
 Vertical Datum Conversion
 NAVD88
 2.05'
 Mean Low Water

North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
 Dare County, North Carolina

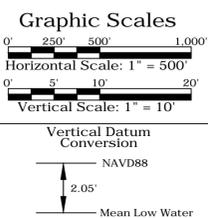
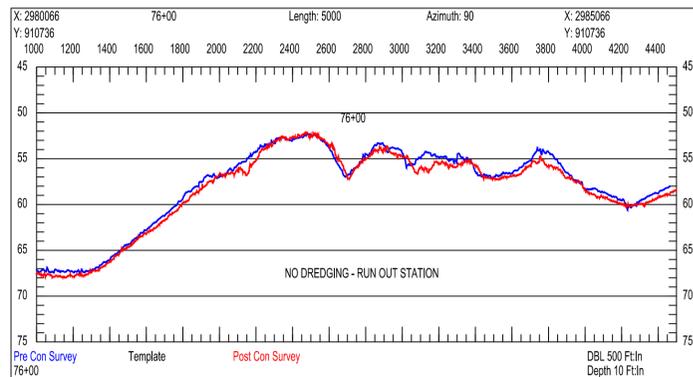
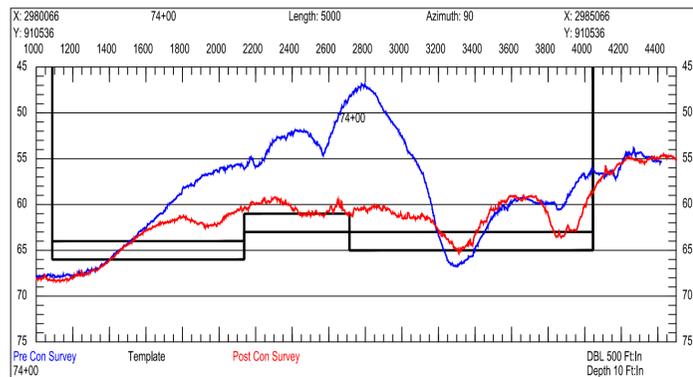
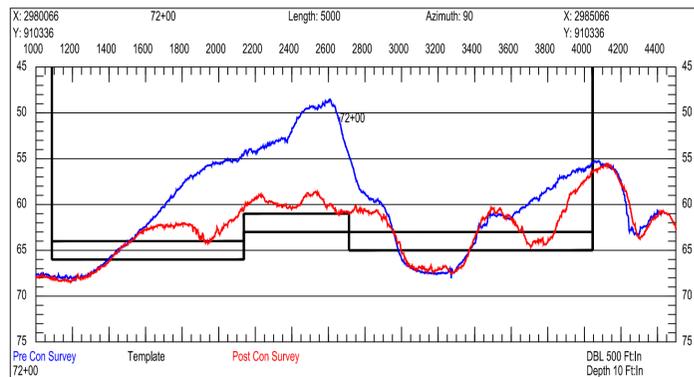
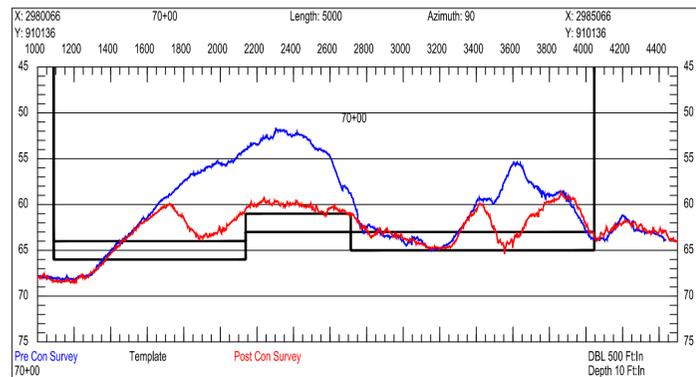
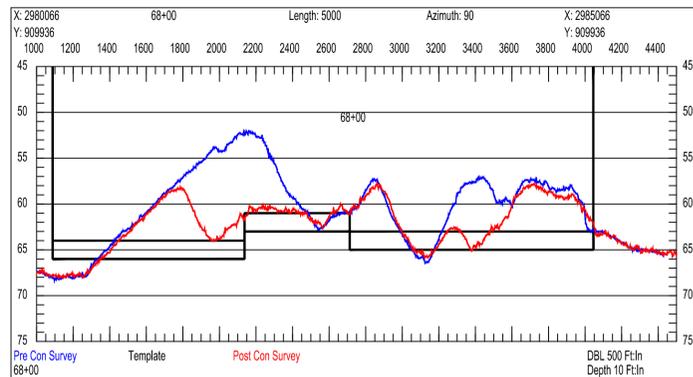
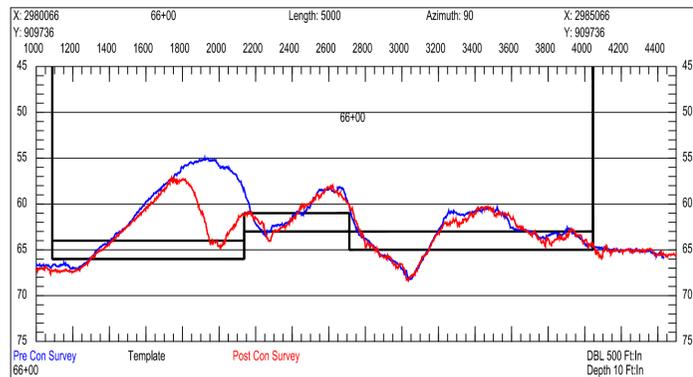
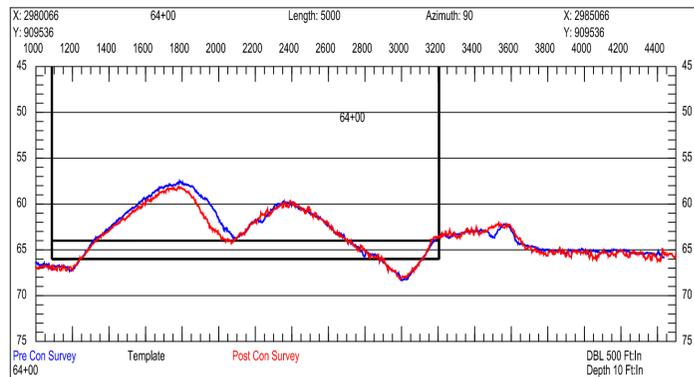
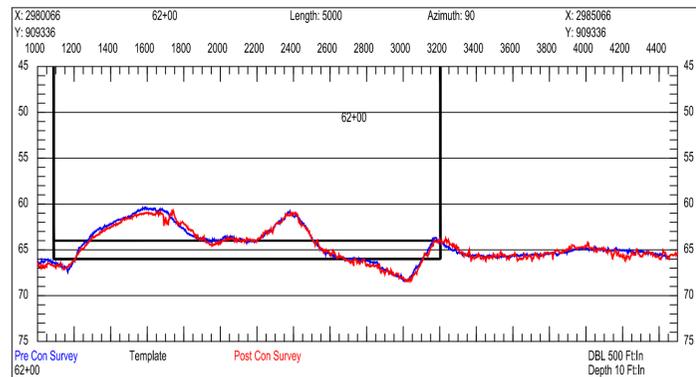
Post Construction Survey - November 2017

Cross Sections - Borrow Area C Station 30+00 to 60+00

- Notes:
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 SCALE: As Shown SHEET: 8 OF 9

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North Dare County Beaches Nourishment Project

Duck, Kitty Hawk, Kill Devil Hills - Outer Banks
Dare County, North Carolina

Post Construction Survey - November 2017

Cross Sections - Borrow Area C Station 62+00 to 76+00

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