Isle of Palms Beach Restoration Project 2026

Charleston County, SC

TITLE	DRAWING No.
COVER SHEET	SHEET 01
OVERALL PROJECT PLAN & SURVEY CONTROL	SHEET 02
REACH 1 & 2 PLAN MAP AND SURVEY CONTROL	SHEET 03
REACH 3 PLAN MAP AND SURVEY CONTROL	SHEET 04
PROJECT PLAN & PROFILES - REACH 1	SHEET 05
FILL PLAN PROFILES - STA 314+00 TO 328+00	SHEET 06
PROJECT PLAN & PROFILES - REACH 2	SHEET 07
FILL PLAN PROFILES - STA 254+00 TO 280+00	SHEET 08
PROJECT PLAN & PROFILES - REACH 3	SHEET 09
FILL PLAN PROFILES - STA 22+00 TO 66+00	SHEET 10
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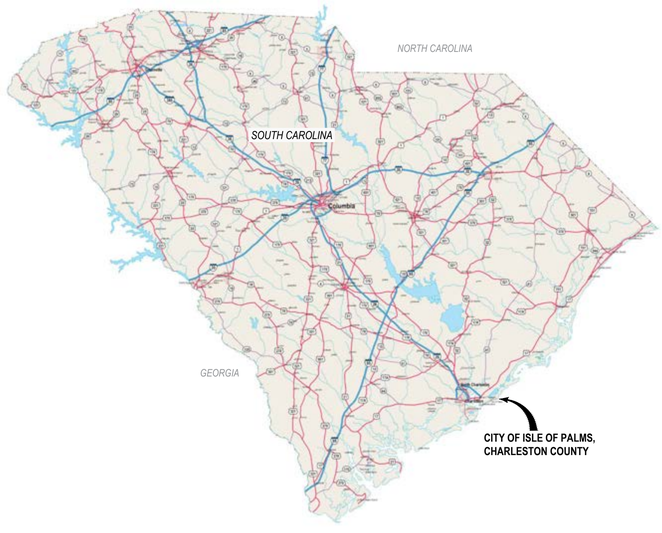
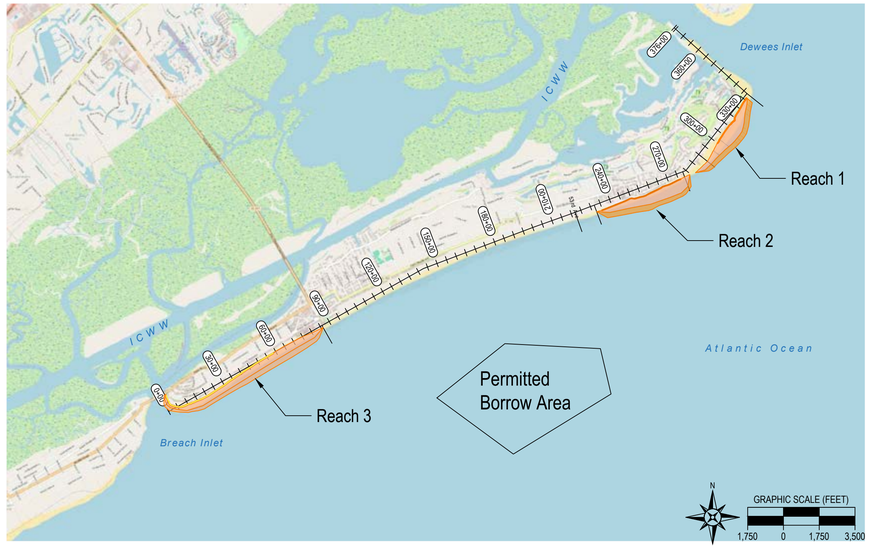
NEARSHORE BATHYMETRY	SHEET 12
BORROW PLAN & CONTOURS	SHEET 13
BORROW BATHYMETRY & SECTIONS	SHEET 14
GEOTECHNICAL DATA - CORELOGS	SHEET 15
GEOTECHNICAL DATA - CORELOGS	SHEET 16





BID DOCUMENTS

SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 23875 JOSEPH HUGGINS

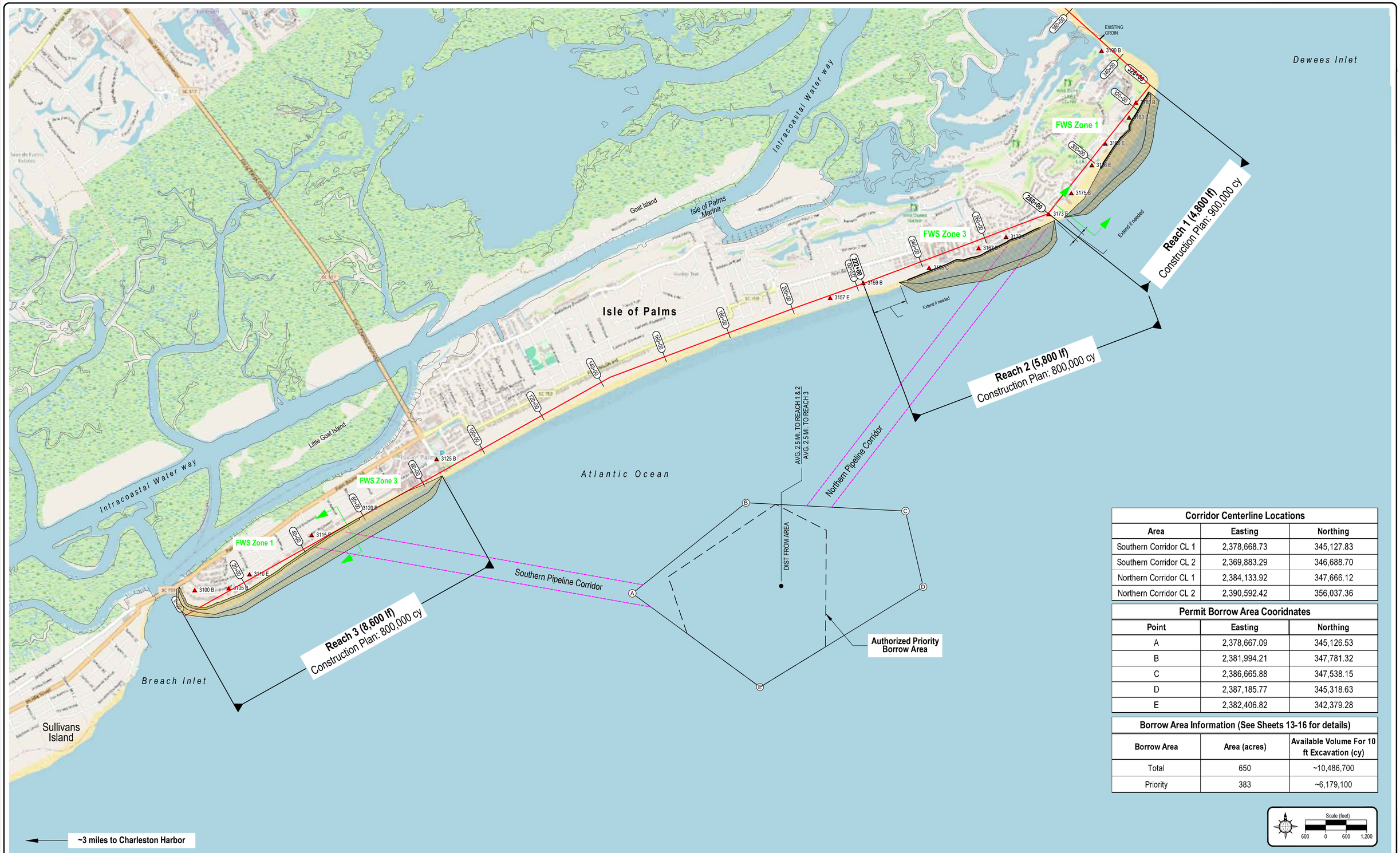
Project No. 2623
Date: 17 July 2026

Owner:

City of Isle of Palms
1207 Palm Blvd.
Isle of Palms SC 29451

Engineer:

Coastal Science & Engineering, Inc.
160 Gills Creek Parkway
Columbia South Carolina 29209
Office 803-799-8949



Corridor Centerline Locations		
Area	**Easting**	**Northing**
Southern Corridor CL 1	2,378,668.73	345,127.83
Southern Corridor CL 2	2,369,883.29	346,688.70
Northern Corridor CL 1	2,384,133.92	347,666.12
Northern Corridor CL 2	2,390,592.42	356,037.36

Permit Borrow Area Cooridnates		
Point	**Easting**	**Northing**
A	2,378,667.09	345,126.53
B	2,381,994.21	347,781.32
C	2,386,665.88	347,538.15
D	2,387,185.77	345,318.63
E	2,382,406.82	342,379.28

Borrow Area Information (See Sheets 13-16 for details)		
Borrow Area	**Area (acres)**	**Available Volume For 10 ft Excavation (cy)**
Total	650	~10,486,700
Priority	383	~6,179,100

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 and 29 Jun 2026
Coastal Science & Engineering, Inc via RTK GPS

Borrow Area cut depths varies as shown on Sheet 15

Key
Permitted Borrow Area
Priority Borrow Sections

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

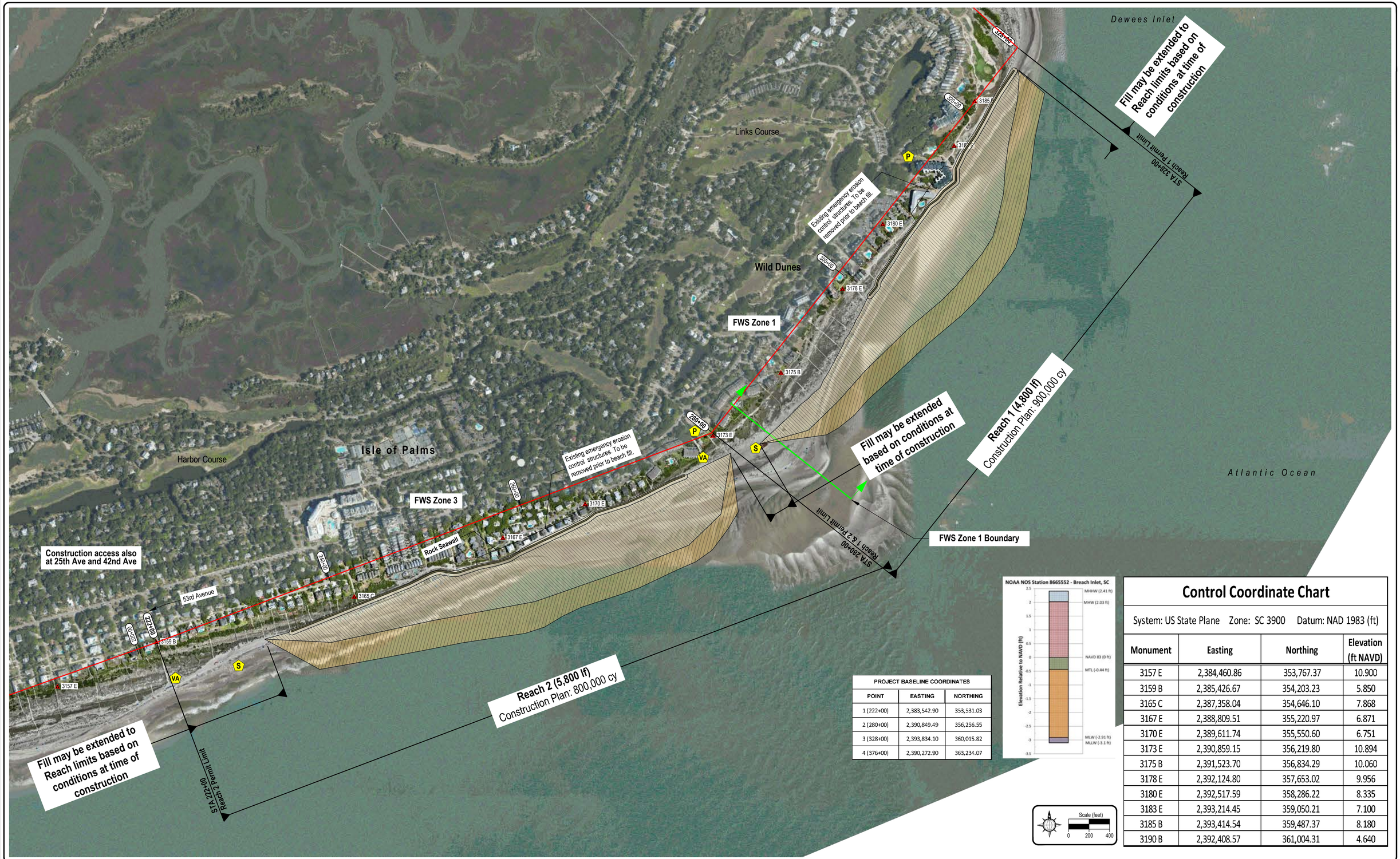
DRAWING TITLE:
OVERALL PROJECT PLAN
& SURVEY CONTROL

SOUTH CAROLINA NOW
COASTAL SCIENCE & ENGINEERING No. C01950
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23870

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 02



PROJECT BASELINE COORDINATES		
POINT	EASTING	NORTHING
1 (222+00)	2,383,542.90	353,531.03
2 (280+00)	2,390,849.49	356,256.55
3 (328+00)	2,393,834.10	360,015.82
4 (376+00)	2,390,272.90	363,234.07

Control Coordinate Chart

System: US State Plane Zone: SC 3900 Datum: NAD 1983 (ft)

Monument	Easting	Northing	Elevation (ft NAVD)
3157 E	2,384,460.86	353,767.37	10.900
3159 B	2,385,426.67	354,203.23	5.850
3165 C	2,387,358.04	354,646.10	7.868
3167 E	2,388,809.51	355,220.97	6.871
3170 E	2,389,611.74	355,550.60	6.751
3173 E	2,390,859.15	356,219.80	10.894
3175 B	2,391,523.70	356,834.29	10.060
3178 E	2,392,124.80	357,653.02	9.956
3180 E	2,392,517.59	358,286.22	8.335
3183 E	2,393,214.45	359,050.21	7.100
3185 B	2,393,414.54	359,487.37	8.180
3190 B	2,392,408.57	361,004.31	4.640

Scale (feet) 0 200 400

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026 **Photo:** 10 Jul 2026
Coastal Science & Engineering, Inc via RTK GPS

KEYNOTE
VA Vehicle Access
S Staging Area
P Daily Parking

Key
Baseline
Construction Plan
Fill Dune @ +14' NAVD
Fill Berm @ +6' to +7' NAVD
Fill Slope @ 1V:18H

CSE

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

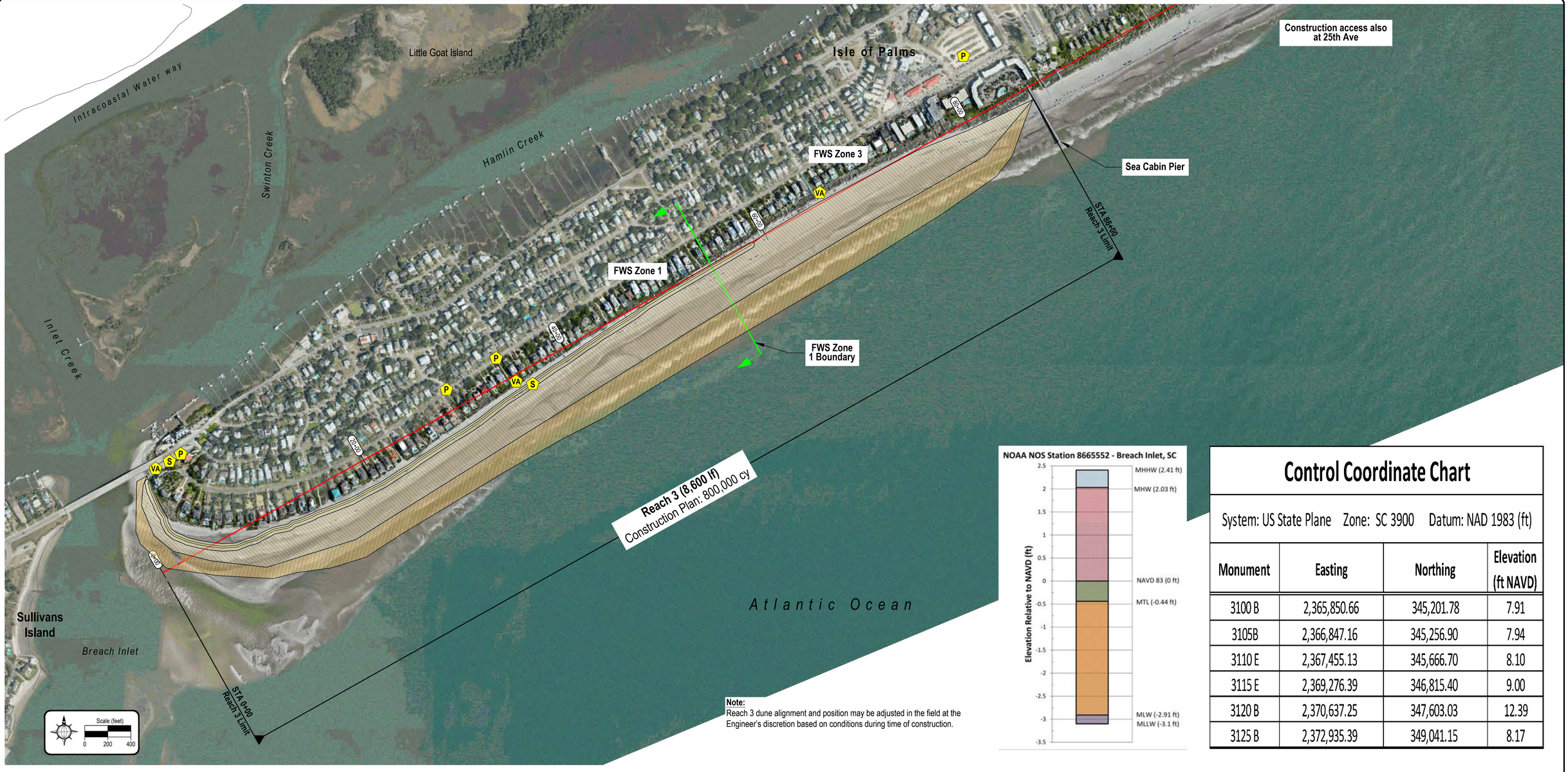
DRAWING TITLE:
REACH 1 & 2 PLAN MAP AND SURVEY CONTROL

SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23676 JOSEPH T. HUDSON

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 03



Note:
Reach 3 dune alignment and position may be adjusted in the field at the Engineer's discretion based on conditions during time of construction.

Control Coordinate Chart

System: US State Plane Zone: SC 3900 Datum: NAD 1983 (ft)

Monument	Easting	Northing	Elevation (ft NAVD)
3100 B	2,365,850.66	345,201.78	7.91
3105B	2,366,847.16	345,256.90	7.94
3110 E	2,367,455.13	345,666.70	8.10
3115 E	2,369,276.39	346,815.40	9.00
3120 B	2,370,637.25	347,603.03	12.39
3125 B	2,372,935.39	349,041.15	8.17

Key
- Baseline
- Construction Plan
- Fill Dune @ +14' NAVD
- Fill Berm @ +6' to +7' NAVD
- Fill Slope @ 1V:18H

PROJECT BASELINE COORDINATES		
POINT	EASTING	NORTHING
1 (0+00)	2,365,547.46	344,462.21
2 (86+00)	2,373,047.38	348,670.67

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 29 Jun 2026 **Photo:** 10 Jul 2026
Coastal Science & Engineering, Inc via RTK GPS

KEYNOTE
VA Vehicle Access
S Staging Area
P Daily Parking

CSE

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

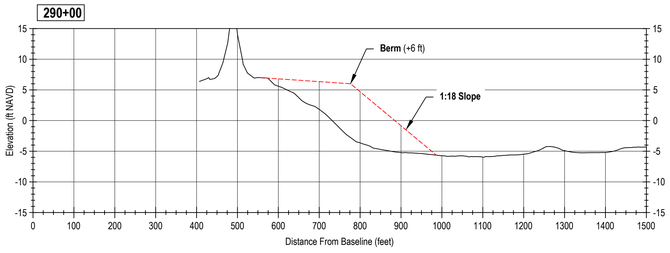
DRAWING TITLE:
REACH 3 PLAN MAP AND SURVEY CONTROL

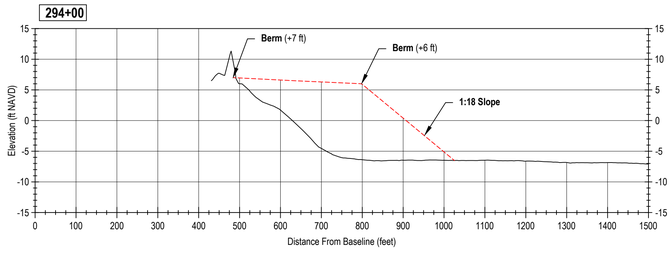
SOUTH CAROLINA BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND SURVEYORS
COASTAL SCIENCE & ENGINEERING No. C01950
CERTIFICATE OF AUTHORIZATION

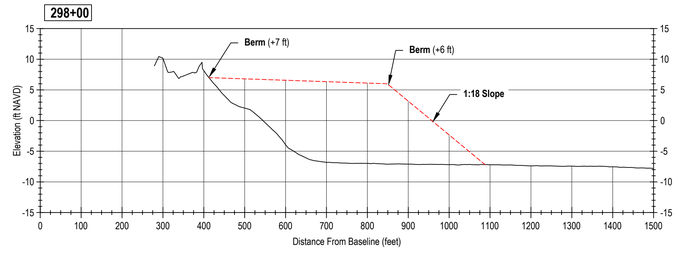
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23875

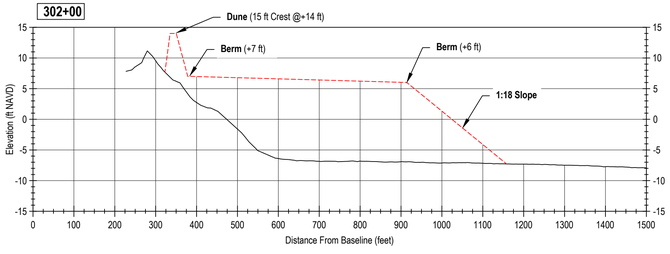
SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

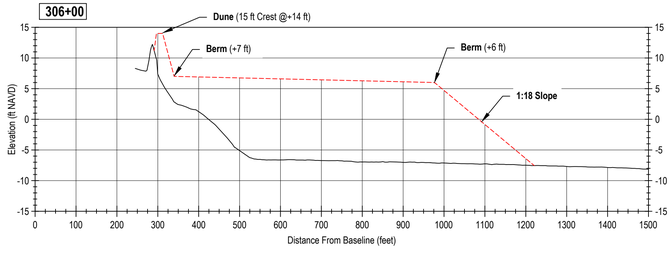
SHEET NO: 04

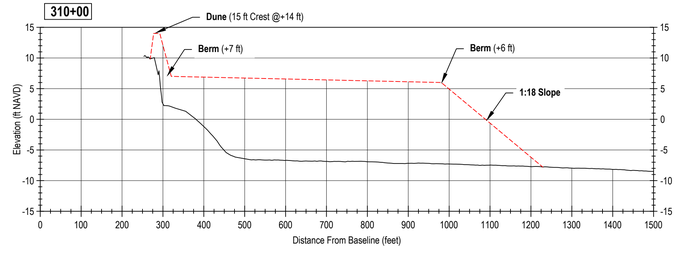












GRAPHIC SCALE (FEET)
100 0 100 200

Notes:

1. The Engineer may modify the fill design within a reach for any portion of the project based on the beach condition at the time of construction.
2. Fill May be placed in the extension areas based on conditions at time of the construction as directed by the Engineer.
3. The landward limit of fill outside of the dune area is indicated based on approximate location of the +7 ft contour on 16 June 2026. The landward limit of fill will be the seaward edge of vegetation or the +7 ft NAVD contour; whichever is further seaward at the time of construction. In the dune area the landward limit of the fill will be at the +7 ft contour shown.
4. Any non-vegetated beach area within the project limits may be used to stage equipment and temporarily store materials. Contractor shall not store materials on or damage vegetated dune areas without prior approval from the Engineer.
5. The seaward limit of the berm will be built to an elevation of +6 ft (NAVD). The slopes and elevations are as noted on the drawing and sections.
6. No fill will be placed on or landward of existing emergency control structures. Excess material may be stockpiled for later use by private homeowners. Stockpile material will be pay quantity.
7. No work should be completed on or under private structures such as porches, walkovers or patios.
8. Work within FWS Zone 1 must be started and completed from June 1 to November 30. Work Within FWS Zone 3 can be completed year round.

Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026
Photo: 10 Jul 2026
Coastal Science & Engineering, Inc via RTK GPS

KEYNOTE
VA Vehicle Access
S Staging Area
P Daily Parking

Key
Baseline
Fill Dune @ +14' NAVD
Fill Berm @ +6' to +7' NAVD
Fill Slope @ 1V:18H

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

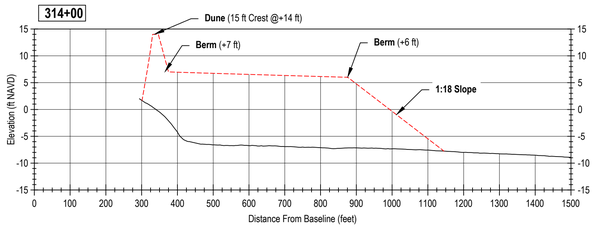
DRAWING TITLE:
REACH 1 - Project Plans and Fill Sections
STA 290+00 to 310+00

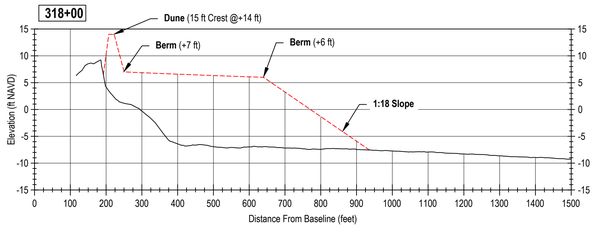
SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

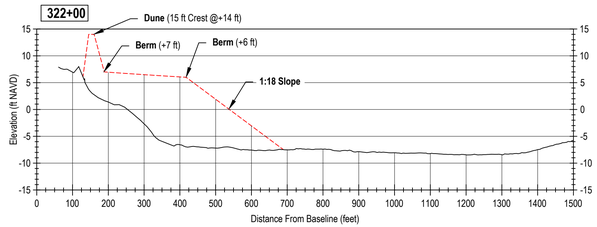
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 23870 HUGHES

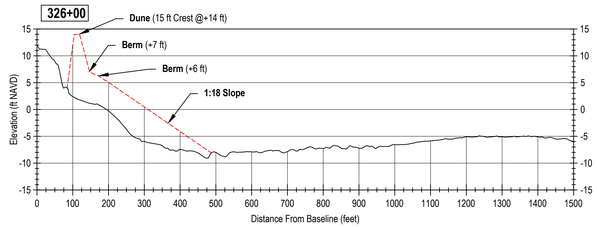
SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

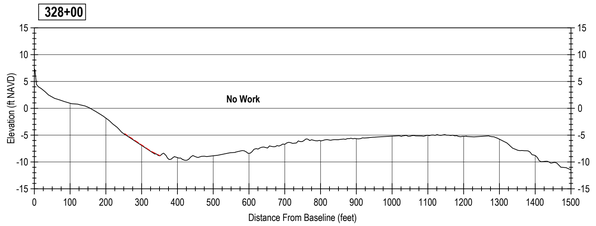
SHEET NO: 05











Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

NOTE

Compensating slopes will be allowed for payment purposes. Contractor may construct a wider berm with steeper slope than identified in the plans to facilitate efficient construction. Compensating slopes should seek to place the design fill quantity at each section, and not exceed the volume tolerance (plus or minus 10%) for each fill section. Sand placed above the fill template along the slope will be considered pay quantity, up to 10% above the design fill volume for that section. Any sand placed seaward of the design toe of fill will not be considered pay quantity.

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026
Coastal Science & Engineering, Inc via RTK GPS

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

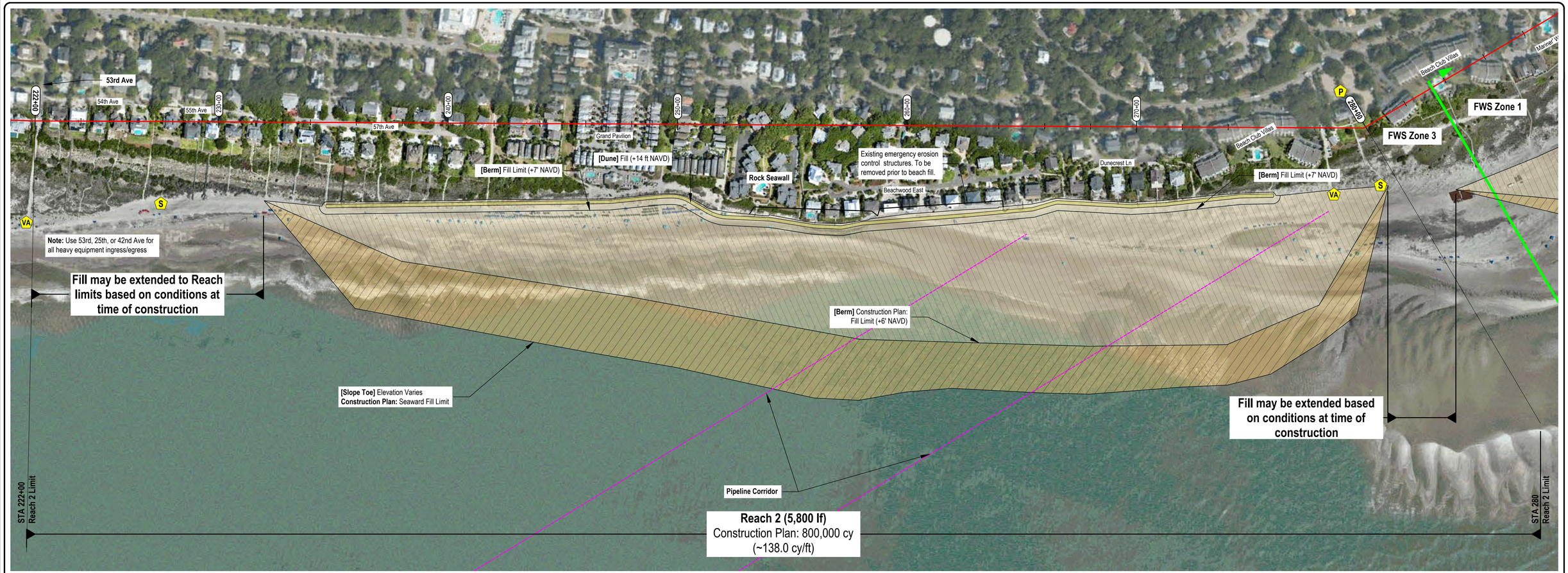
DRAWING TITLE:
REACH 1 - Project Plans and Fill Sections
STA 314+00 to 328+00

SOUTH CAROLINA
COASTAL SCIENCE & ENGINEERING
No. C01950
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 23878
TERRENCE HUGHES

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 06



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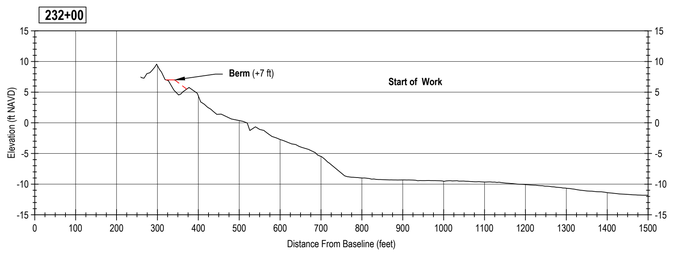

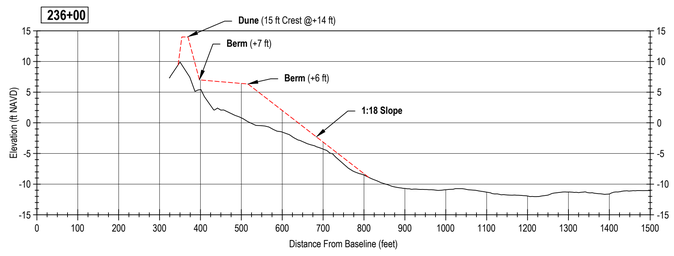

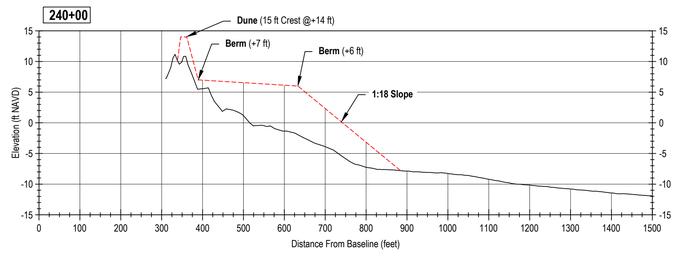

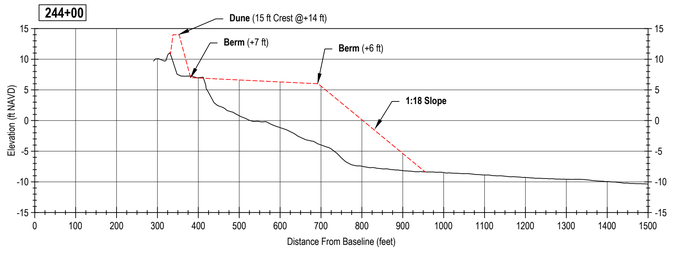

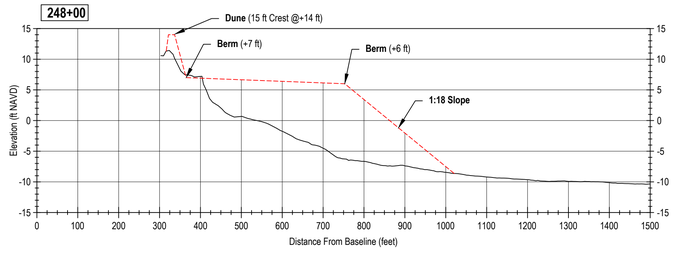

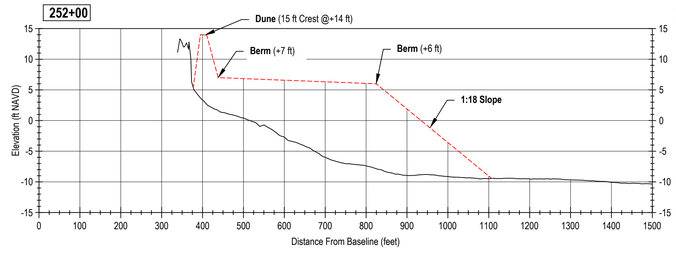

Notes:

1. The Engineer may modify the fill design within a reach for any portion of the project based on the beach condition at the time of construction.
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Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

Survey Datum:
Horizontal: SPCS NAD '83 (Feet)
SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026
Photo: 10 Jul 2026
Coastal Science & Engineering, Inc
via RTK GPS

Key

KEYNOTE
VA Vehicle Access
S Staging Area
P Daily Parking

Baseline
Fill Dune @ +14' NAVD
Fill Berm @ +6' to +7' NAVD
Fill Slope @ 1V:18H

CSE

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

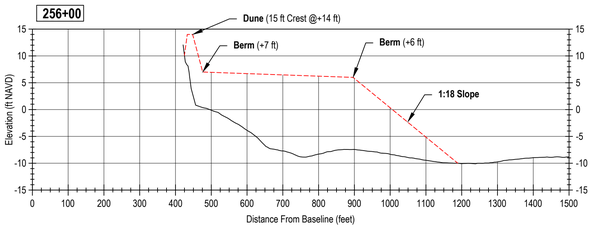
DRAWING TITLE:
REACH 2 - Project Plans and Fill Sections
STA 232+00 to 252+00

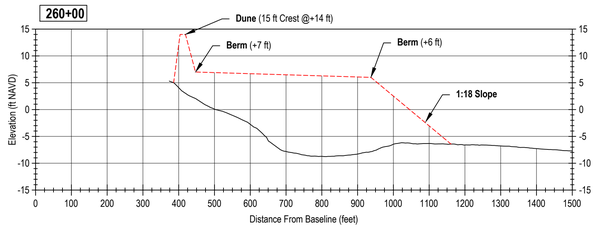
SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

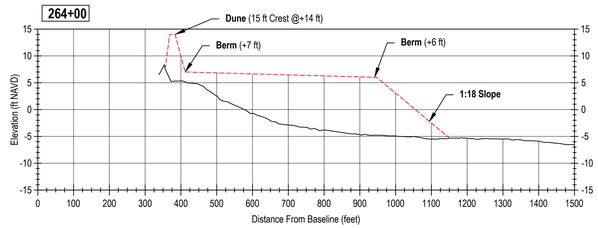
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23837 HUGHES

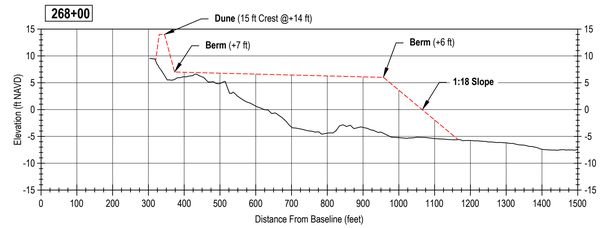
SCALE:	AS SHOWN
DATE:	1 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

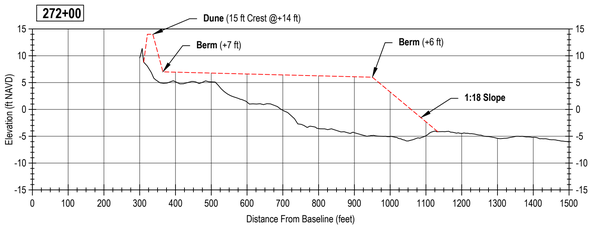
SHEET NO: **07**

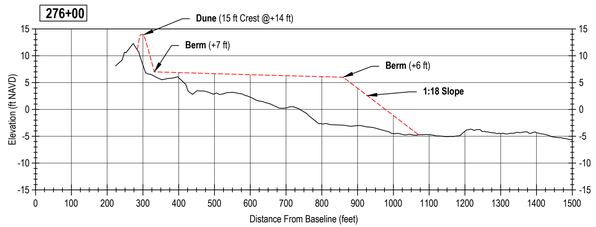


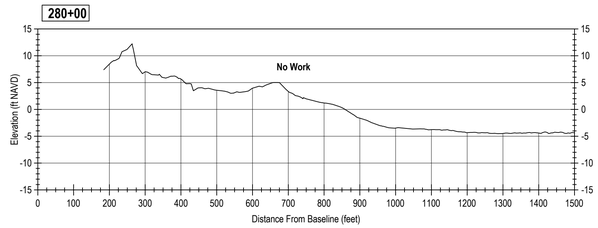












Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

NOTE

Compensating slopes will be allowed for payment purposes. Contractor may construct a wider berm with steeper slope than identified in the plans to facilitate efficient construction. Compensating slopes should seek to place the design fill quantity at each section, and not exceed the volume tolerance (plus or minus 10%) for each fill section. Sand placed above the fill template along the slope will be considered pay quantity, up to 10% above the design fill volume for that section. Any sand placed seaward of the design toe of fill will not be considered pay quantity.

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026
Coastal Science & Engineering, Inc via RTK GPS

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

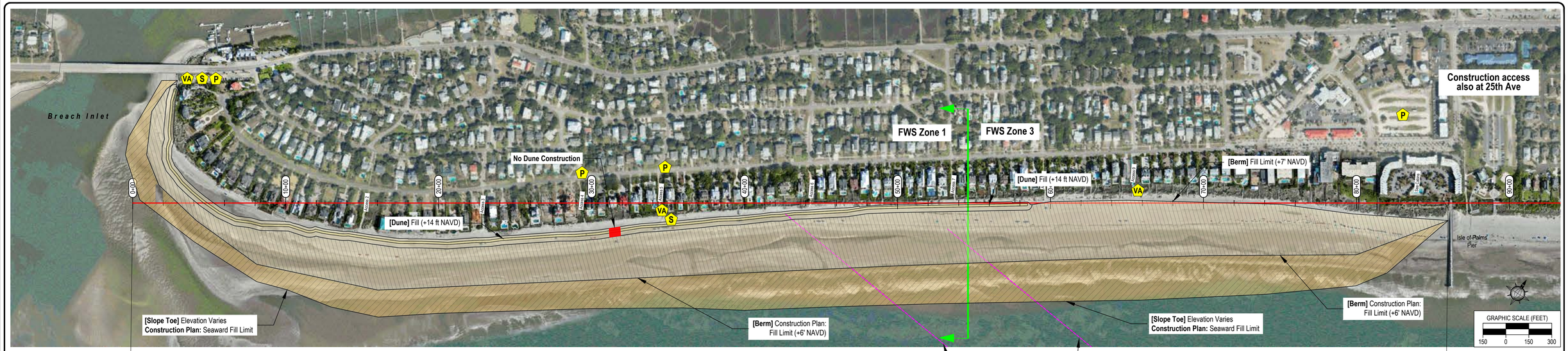
DRAWING TITLE:
REACH 2 - Project Plans and Fill Sections
STA 256+00 to 280+00

SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 28677 JOSEPH T. HUGGINS

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 08

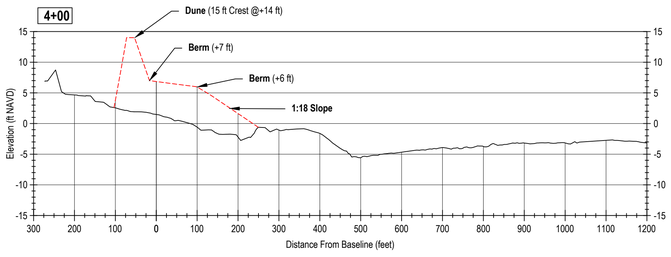


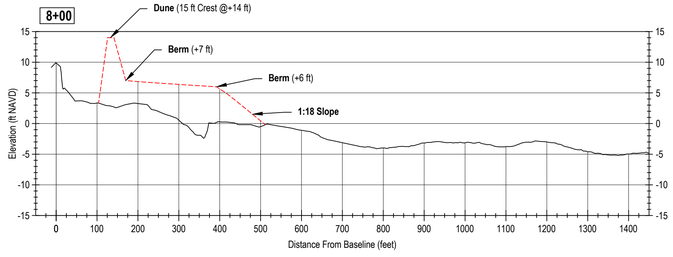
Note:
Reach 3 dune alignment and position may be adjusted in the field at the Engineer's discretion based on conditions during time of construction.

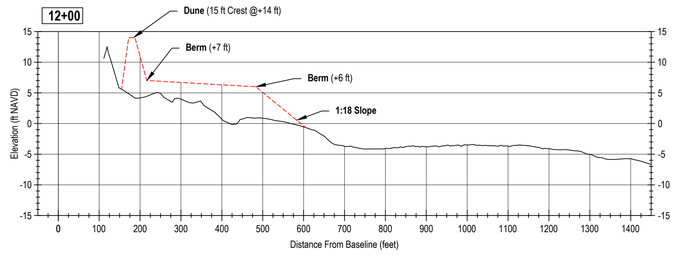
STA 0+00 Reach 3 Permit Limit

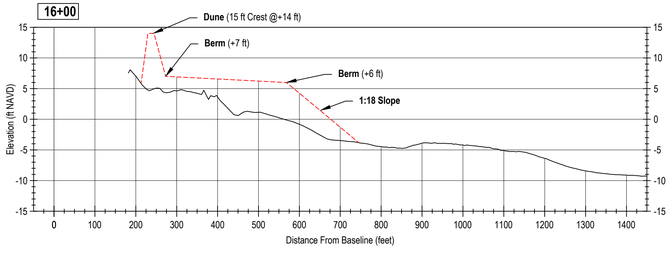
Reach 3 (8,600 lf)
Construction Plan: 800,000 cy
(93.0 cy/ft)

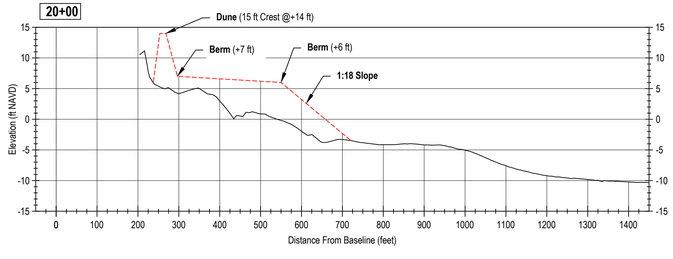
STA 86+00 Reach 3 Permit Limit

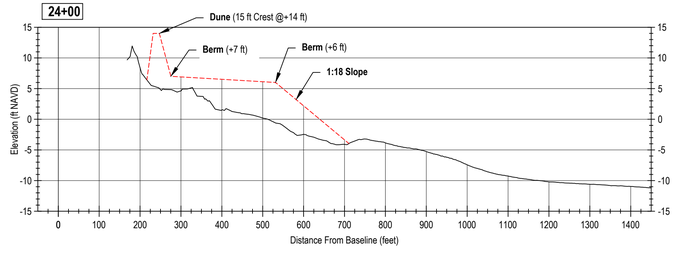












Notes:

1. The Engineer may modify the fill design within a reach for any portion of the project based on the beach condition at the time of construction.
2. Fill May be placed in the extension areas based on conditions at time of the construction as directed by the Engineer.
3. The landward limit of fill outside of the dune area is indicated based on approximate location of the +7 ft contour on 29 June 2026. The landward limit of fill will be the seaward edge of vegetation or the +7 ft NAVD contour; whichever is further seaward at the time of construction. In the dune area the landward limit of the fill will be at the +7 ft contour shown.
4. Any non-vegetated beach area within the project limits may be used to stage equipment and temporarily store materials. Contractor shall not store materials on or damage vegetated dune areas without prior approval from the Engineer.
5. The seaward limit of the berm will be built to an elevation of +6 ft (NAVD). The slopes and elevations are as noted on the drawing and sections.
6. No fill will be placed on or landward of existing emergency control structures. Excess material may be stockpiled for later use by private homeowners. Stockpile material will be pay quantity.
7. No work should be completed on or under private structures such as porches, walkovers or patios.
8. Work within FWS Zone 1 must be started and completed from June 1 to November 30. Work Within FWS Zone 3 can be completed year round.

Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 16 Jun 2026
Photo: 10 Jul 2026
Coastal Science & Engineering, Inc via RTK GPS

Key
Baseline
Fill Dune @ +14' NAVD
Fill Berm @ +6' to +7' NAVD
Fill Slope @ 1V:18H

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

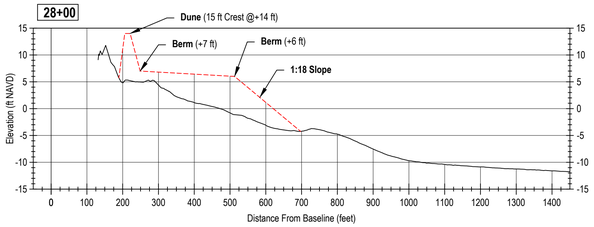
DRAWING TITLE:
REACH 3 - Project Plans and Fill Sections
STA 0+00 to 24+00

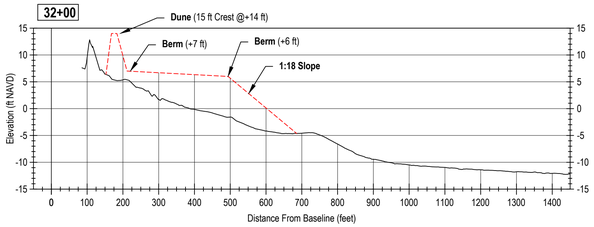
SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

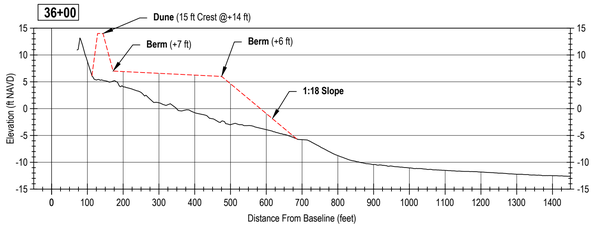
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23873

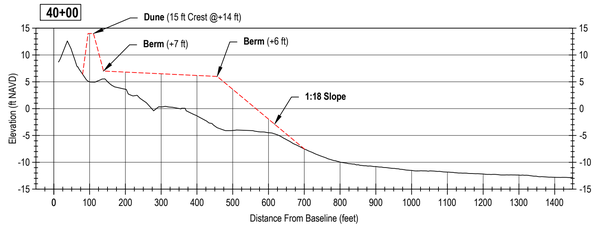
SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

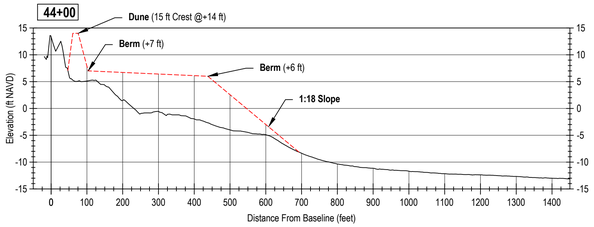
SHEET NO: 09

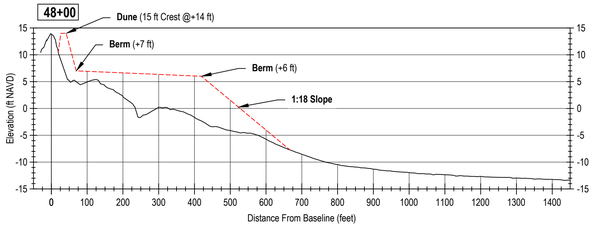


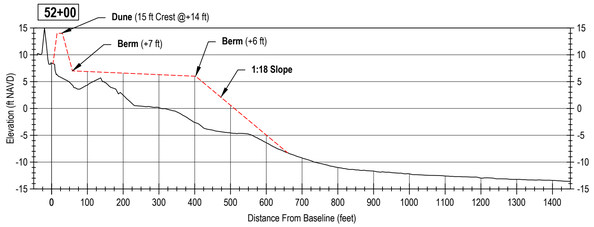


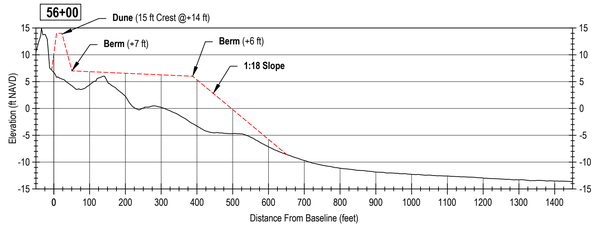


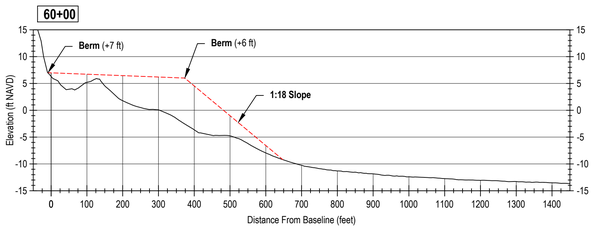


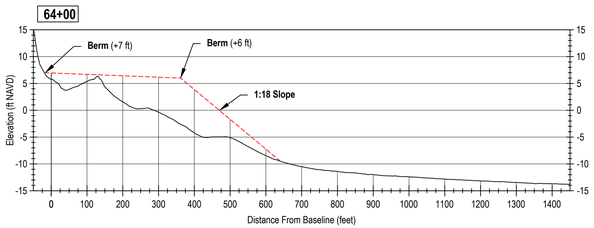


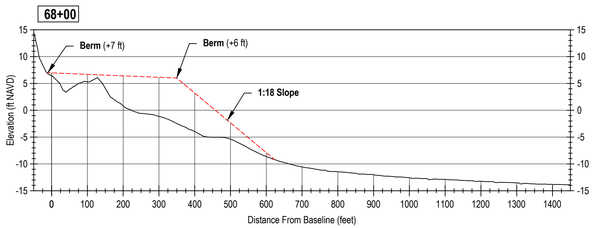


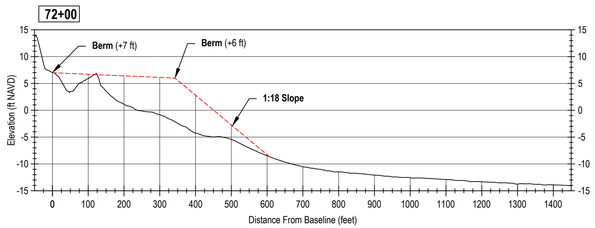












NOTE

Compensating slopes will be allowed for payment purposes. Contractor may construct a wider berm with steeper slope than identified in the plans to facilitate efficient construction. Compensating slopes should seek to place the design fill quantity at each section, and not exceed the volume tolerance (plus or minus 10%) for each fill section. Sand placed above the fill template along the slope will be considered pay quantity, up to 10% above the design fill volume for that section. Any sand placed seaward of the design toe of fill will not be considered pay quantity.

Reach 3 dune alignment and position may be adjusted in the field at the Engineer's discretion based on conditions during time of construction.

Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 29 Jun 2026
Coastal Science & Engineering, Inc via RTK GPS

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

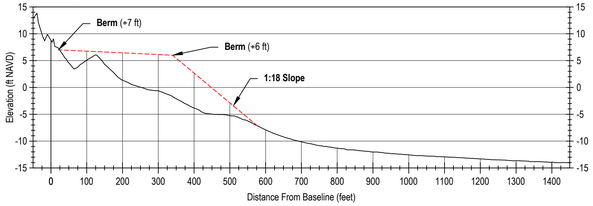
DRAWING TITLE:
REACH 3 - Project Plans and Fill Sections
STA 28+00 to 72+00

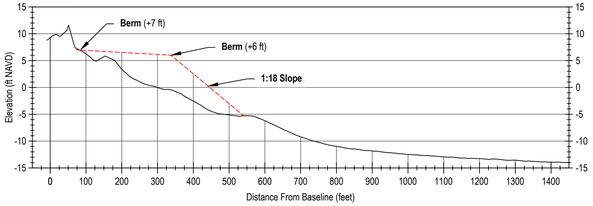
SOUTH CAROLINA BOARD OF CERTIFICATE OF AUTHORIZATION
COASTAL SCIENCE & ENGINEERING No. C01950

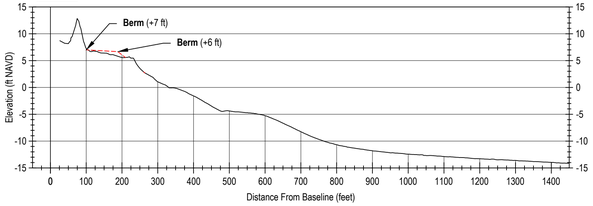
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23878 TIMOTHY J. HOLLAND

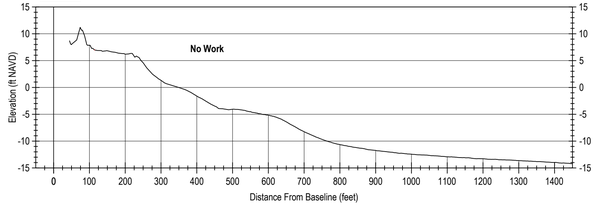
SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 10









Section Notes:
Vertical Exaggeration: 15
Seaward Dune Slope:1V on 4H
Landward Dune Slope:1V on 2H
Existing Surface
Construction Fill

NOTE

Compensating slopes will be allowed for payment purposes. Contractor may construct a wider berm with steeper slope than identified in the plans to facilitate efficient construction. Compensating slopes should seek to place the design fill quantity at each section, and not exceed the volume tolerance (plus or minus 10%) for each fill section. Sand placed above the fill template along the slope will be considered pay quantity, up to 10% above the design fill volume for that section. Any sand placed seaward of the design toe of fill will not be considered pay quantity.

Reach 3 dune alignment and position may be adjusted in the field at the Engineer's discretion based on conditions during time of construction.

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Dates: 29 Jun 2026
Coastal Science & Engineering, Inc via RTK GPS

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

DRAWING TITLE:
REACH 3 - Project Plans and Fill Sections
STA 76+00 to 86+00

SOUTH CAROLINA
COASTAL SCIENCE & ENGINEERING
No. C01950
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 23611
JEFFREY T. HUDGINS

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 11

Feet
(NAVD '88)

10 ft
0 ft
-10 ft
-20 ft
-30 ft
-40 ft
-50 ft
-60 ft

Corridor Centerline Locations		
Area	Easting	Northing
Southern Corridor CL 1	2,378,668.73	345,127.83
Southern Corridor CL 2	2,369,883.29	346,688.70
Northern Corridor CL 1	2,384,133.92	347,666.12
Northern Corridor CL 2	2,390,592.42	356,037.36

Scale (feet)
600 0 600 1,200

N

Isle of Palms Marina
Isle Of Palms
Intracoastal Waterway
I C W W
Dewees Inlet
Breach Inlet
Attached Shoal
Atlantic Ocean
PINE ISLAND
WILD DUNES LINKS COURSE
WILD DUNES HARBOR COURSE
BACK BAY DR
PALM DR
Proposed Northern Pipeline Corridor
Proposed Southern Pipeline Corridor
Excluded Area
Excluded Areas
Permitted Borrow Area
Authorized Priority Borrow Area
~3 NM to Charleston Harbor

Borrow Area Cooridnates		
Point	Easting	Northing
A	2,378,667.09	345,126.53
B	2,381,994.21	347,781.32
C	2,386,665.88	347,538.15
D	2,387,185.77	345,318.63
E	2,382,406.82	342,379.28

Survey Datum:
Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
Vertical: NAVD '88 (Feet)
Coastal Science & Engineering, Inc via RTK GPS

Pipeline Corridors are 600' wide

Legend
Permitted Borrow Area
Priority Borrow Area

CSE

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

DRAWING TITLE:
Nearshore Bathymetry

SOUTH CAROLINA BOARD OF REGISTRATION FOR ENGINEERING AND LAND SURVEYING
COASTAL SCIENCE & ENGINEERING
No. C01950
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 23879
TIMOTHY J. HAIRSTON

SCALE:	AS SHOWN
DATE:	17 Jul 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

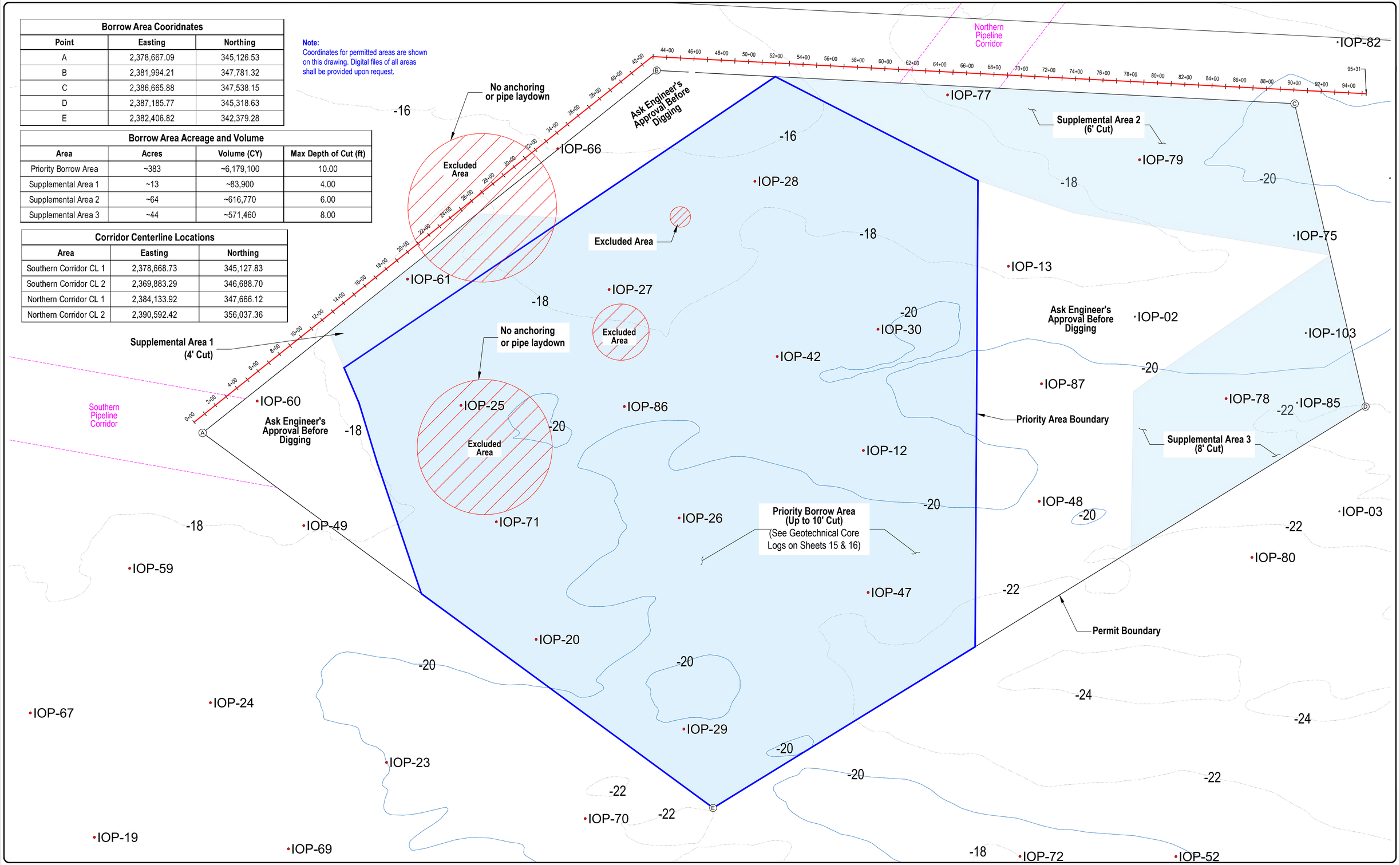
SHEET NO: 12

Borrow Area Cooridnates		
Point	Easting	Northing
A	2,378,667.09	345,126.53
B	2,381,994.21	347,781.32
C	2,386,665.88	347,538.15
D	2,387,185.77	345,318.63
E	2,382,406.82	342,379.28

Note:
Coordinates for permitted areas are shown on this drawing. Digital files of all areas shall be provided upon request.

Borrow Area Acreage and Volume			
Area	Acres	Volume (CY)	Max Depth of Cut (ft)
Priority Borrow Area	~383	~6,179,100	10.00
Supplemental Area 1	~13	~83,900	4.00
Supplemental Area 2	~64	~616,770	6.00
Supplemental Area 3	~44	~571,460	8.00

Corridor Centerline Locations		
Area	Easting	Northing
Southern Corridor CL 1	2,378,668.73	345,127.83
Southern Corridor CL 2	2,369,883.29	346,688.70
Northern Corridor CL 1	2,384,133.92	347,666.12
Northern Corridor CL 2	2,390,592.42	356,037.36



Datum:
Horizontal: NAD'83 SPCS (feet)
SC Zone 3900
Vertical: NAVD '88 (FEET)
Contours Shown in feet (NAVD) based on data collected March 2024.

0 300
Scale (Feet)

Legend
- Permitted Borrow Area
- Priority Borrow Area
- Supplemental Borrow Areas

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

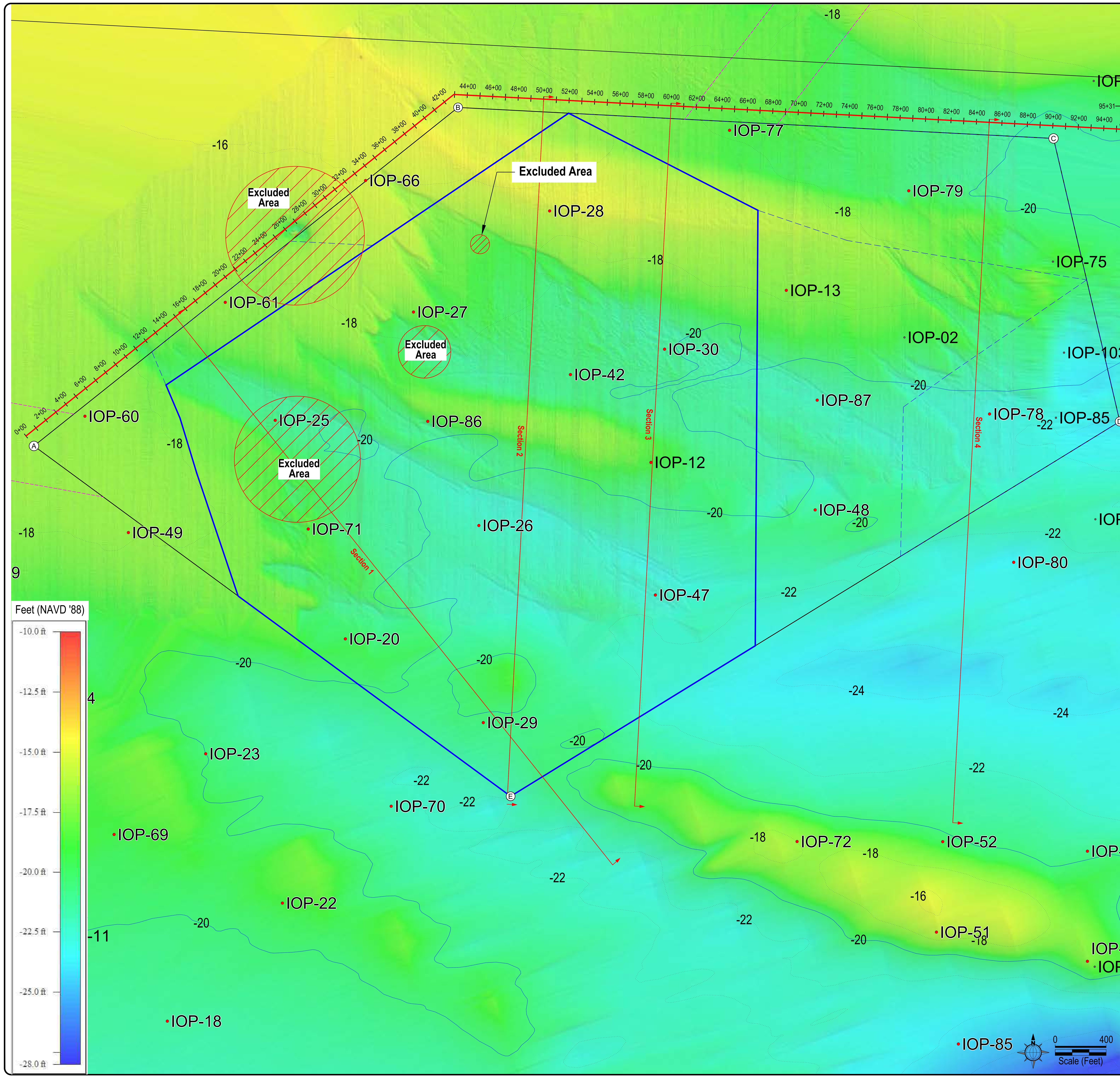
DRAWING TITLE:
Borrow Area
Bathymetry & Contours

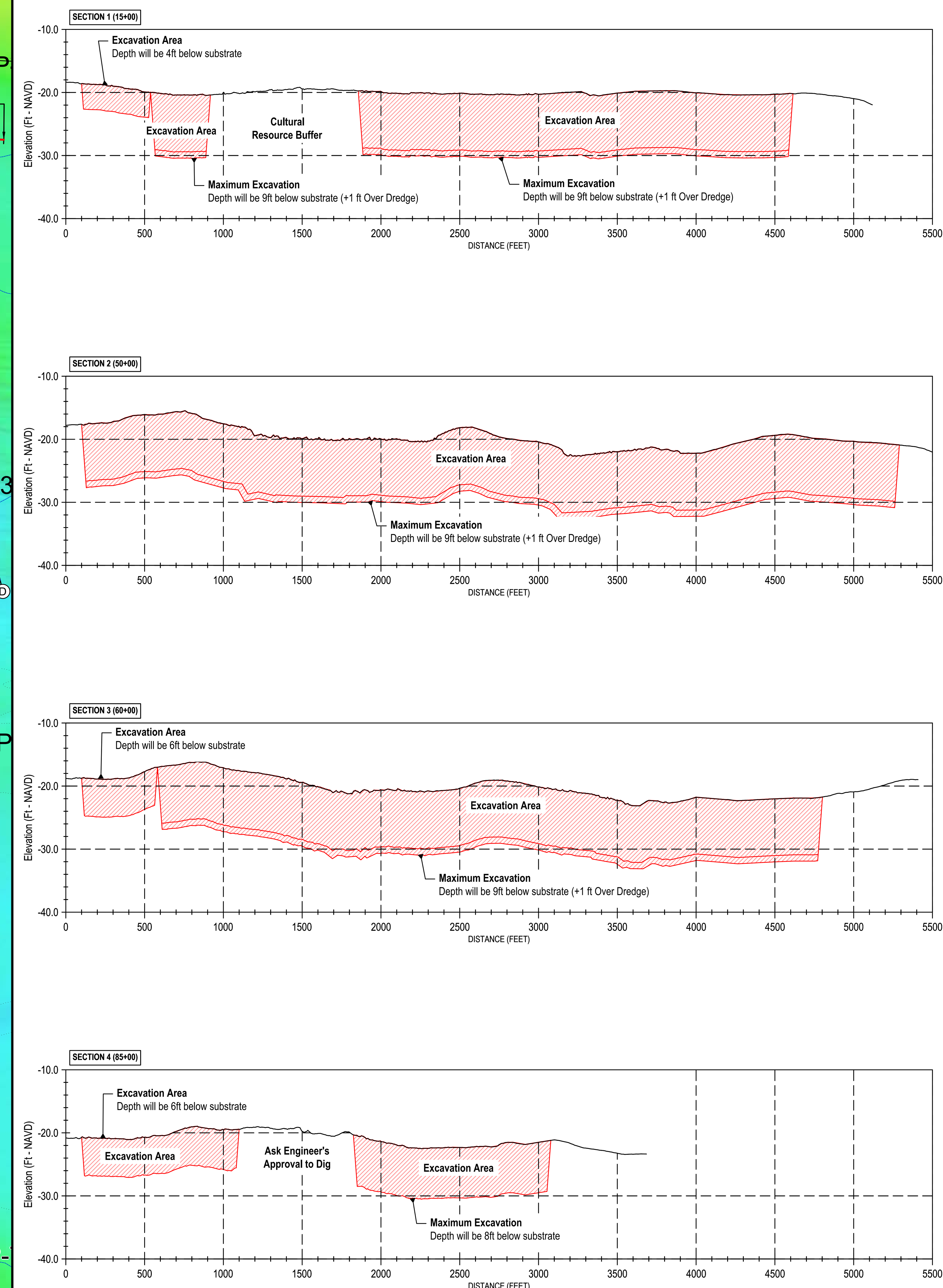
SOUTH CAROLINA COASTAL SCIENCE & ENGINEERING No. C01950 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23678

SCALE:	AS SHOWN
DATE:	17 July 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: 13





Section Notes:
Vertical Exaggeration: 40

Note:
All excavations must occur within the permitted borrow area.

Within the borrow area, dredging shall remain within the priority area shown if possible. Supplemental areas should be used with recommended dig depths and care for material. Additional areas within the borrow area should be used with caution and engineer's consent due to substandard material.

The boundaries within the priority area are not firm. If suitable material exists at the priority area boundary, excavations may extend over the boundary shown within the larger permitted area.

All borrow area boundaries including the priority area will be provided to contractor as digital drawing files.

Datum:
Horizontal: NAD'83 SPCS (feet)
SC Zone 3900
Vertical: NAVD '88 (FEET)

Contours Shown in feet (NAVD) based on data collected March 2024.

Legend
Permitted Borrow Area
Priority Borrow Area
Supplemental Borrow Area
Core Location
Core logs are on sheets 15-16

CSE

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

DRAWING TITLE:
Borrow Area
Priority Area & Sections

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
COASTAL SCIENCE & ENGINEERING
No. C01950

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 23875

SCALE:	AS SHOWN
DATE:	17 July 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO:
14

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 2589 - Isle of Palms Mar | COORDINATES: Northing: 0.000, Easting: 0.000, Grid Datum: NAD '83 | FILE NUMBER: IOP-2

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 7.8 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 7.8 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.8 ft: Fine Sand - dark grey	S1	S1: 0.0 ft. to 2.8 ft. Shell: 9.8% Mean Grain Size: 0.130mm
2		— 2.7 ft: Shell Clutter		
3		2.8 to 5.2 ft: Medium Sand / Coarse Sand mix - lot of shell fragments	S2	S2: 2.8 ft. to 5.2 ft. Shell: 6.2% Mean Grain Size: 0.140mm
4				
5		5.2 to 6.2 ft: Fine Sand / Medium Sand mix - medium grey	S3	S3: 5.2 ft. to 6.2 ft. Shell: 62.1% Mean Grain Size: 0.850mm
6		6.2 to 7.8 ft: Fine Sand / Medium Sand mix - dark grey — 6.7 ft: Shell Fragment	S4	S4: 6.2 ft. to 7.8 ft. Shell: 12.1% Mean Grain Size: 0.180mm
7				
8				
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 2589 - Isle of Palms Mar | COORDINATES: Northing: 0.000, Easting: 0.000, Grid Datum: NAD '83 | FILE NUMBER: IOP-12

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.2 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.2 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 0.5 ft: Very Fine Sand - fine silt	S1	S1: 0.0 ft. to 4.1 ft. Shell: 22.8% Mean Grain Size: 0.300mm
2		0.5 to 4.1 ft: Medium Sand with Crushed Shell - medium grey, lot of shell fragments		
3				
4				
5		4.1 to 5.1 ft: Very Fine Sand - dark grey, silt fine sand shells	S2	S2: 4.1 ft. to 9.2 ft. Shell: 4.1% Mean Grain Size: 0.190mm
6		5.1 to 9.2 ft: Medium Sand - medium grey, good quality — 5.7 ft: Clay lens — 6.3 ft: Clay lens — 7.0 ft: Clay lens		
7				
8				
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 2589 - Isle of Palms Mar | COORDINATES: Northing: 0.000, Easting: 0.000, Grid Datum: NAD '83 | FILE NUMBER: IOP-13

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 15.0 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 15 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.0 ft: Fine Sand - dark grey	S1	S1: 0.0 ft. to 1.1 ft. Shell: 11.1% Mean Grain Size: 0.160mm
2		1.0 to 5.0 ft: Medium Sand with Crushed Shell - medium grey, lot of shells — 2.1 ft: Conch Shell	S2	S2: 1.1 ft. to 7.4 ft. Shell: 33.8% Mean Grain Size: 0.420mm
3				
4				
5		5.0 to 5.8 ft: Medium Sand		
6		5.8 to 7.4 ft: Medium Sand with Crushed Shell - medium grey		
7				
8		7.4 to 10.9 ft: 4.51.4 - shell at bot	S3	S3: 7.4 ft. to 10.9 ft. Shell: 24.5% Mean Grain Size: 0.450mm
9				
10				
11		10.9 to 13.5 ft: 4.51.4 - no shells		
12				
13				
14		13.5 to 15 ft: Mud - dirty clay mud		
15				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2381109.900, Easting: 343612.860, Grid Datum: NAD '83 | FILE NUMBER: IOP-20

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.6 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 8.3 ft. (86.5%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.1 ft: Fine Sand / Medium Sand mix - w/ minor shell light tan to grey	S1	S1: 0.0 ft. to 2.1 ft. Shell: 14.7% Mean Grain Size: 0.278mm
2		2.1 to 5.2 ft: Very Fine Sand - sandy silt with shells	S2	S2: 2.1 ft. to 5.2 ft. Shell: 27.5% Mean Grain Size: 0.211mm
3				
4				
5		5.2 to 6.3 ft: Fine Sand with Crushed Shell - minor clay — 6.5 ft: Clay lens	S3	S3: 5.2 ft. to 9.4 ft. Shell: 25.3% Mean Grain Size: 0.347mm
6				
7				
8				
9				
10		9.4 to 10.9 ft: 4.51.4 - stiff marine clay, dark grey, do not dig — 10.9 ft: Core Barrel Alternating clay and sand, Grey		

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2380558.840, Easting: 345330.770, Grid Datum: NAD '83 | FILE NUMBER: IOP-25

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.8 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.8 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 0.5 ft: Medium Sand with Crushed Shell	S1	S1: 0.0 ft. to 1.1 ft. Shell: 30.5% Mean Grain Size: 0.584mm
2		0.5 to 1.1 ft: Fine Sand with Crushed Shell - w/ shell and silt		
3		1.1 to 3.8 ft: Fine Sand / Medium Sand mix - clean, light-med grey	S2	S2: 1.1 ft. to 3.8 ft. Shell: 8.7% Mean Grain Size: 0.210mm
4				
5		3.8 to 5.7 ft: Fine Sand / Medium Sand mix - w/ shelly coquina, light-med grey	S3	S3: 3.8 ft. to 8.0 ft. Shell: 33.5% Mean Grain Size: 0.441mm
6				
7		5.7 to 8.0 ft: Fine Sand / Medium Sand mix - w/ silty, light-med grey		
8				
9		8.0 to 9.8 ft: 4.51.4 - stiff marine clay, dark grey, do not dig		
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2382154.860, Easting: 344503.350, Grid Datum: NAD '83 | FILE NUMBER: IOP-26

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.6 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.6 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 4.2 ft: Fine Sand / Medium Sand mix - w/ shells, med grey	S1	S1: 0.0 ft. to 4.2 ft. Shell: 30.2% Mean Grain Size: 0.536mm
2				
3				
4		4.2 to 7.5 ft: Fine Sand - w/ silt clay lens — 5.0 ft: Clay lens	S2	S2: 4.2 ft. to 7.5 ft. Shell: 9.6% Mean Grain Size: 0.220mm
5				
6		— 6.2 ft: Clay lens — 7.4 ft: Clay lens		
7				
8		7.5 to 8.7 ft: Medium Sand - w/ minor shells	S3	S3: 7.5 ft. to 8.7 ft. Shell: 16.9% Mean Grain Size: 0.362mm
9		8.7 to 9.6 ft: 4.51.4 - stiff marine clay		
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2381642.300, Easting: 346177.020, Grid Datum: NAD '83 | FILE NUMBER: IOP-27

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 8.9 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 8.9 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.0 ft: Fine Sand - w/ silt and minor shell, med grey	S1	S1: 0.0 ft. to 2.0 ft. Shell: 14.1% Mean Grain Size: 0.193mm
2		2.0 to 6.1 ft: Medium Sand with Crushed Shell - shelly sand coquina — 3.0 ft: Small Scallop - 2''	S2	S2: 2.0 ft. to 6.1 ft. Shell: 32.2% Mean Grain Size: 0.445mm
3				
4				
5				
6		6.1 to 8.9 ft: Fine Sand / Medium Sand mix - w/ minor shell	S3	S3: 6.1 ft. to 8.9 ft. Shell: 14.1% Mean Grain Size: 0.245mm
7				
8				
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2382711.070, Easting: 346969.830, Grid Datum: NAD '83 | FILE NUMBER: IOP-28

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.7 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.7 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.6 ft: Fine Sand - clean, med tan-grey	S1	S1: 0.0 ft. to 1.6 ft. Shell: 7.3% Mean Grain Size: 0.147mm
2		1.6 to 4.0 ft: Mud - muddy, shelly sand, dark grey	S2	S2: 1.6 ft. to 4.0 ft. Shell: 29.5% Mean Grain Size: 0.343mm
3				
4		4.0 to 6.7 ft: Fine Sand with Crushed Shell - coquina	S3	S3: 4.0 ft. to 6.7 ft. Shell: 29.8% Mean Grain Size: 0.458mm
5				
6				
7		6.7 to 9.7 ft: Fine Sand / Medium Sand mix - w/ minor silt	S4	S4: 6.7 ft. to 9.7 ft. Shell: 10.1% Mean Grain Size: 0.219mm
8				
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2382193.240, Easting: 342955.730, Grid Datum: NAD '83 | FILE NUMBER: IOP-29

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.8 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.8 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.7 ft: Fine Sand / Medium Sand mix - clean, dark tan grey	S1	S1: 0.0 ft. to 1.7 ft. Shell: 10.4% Mean Grain Size: 0.208mm
2		1.7 to 3.1 ft: Fine Sand with Crushed Shell - shelly fine/ silt, med-dark grey — 2.5 ft: Clay lens	S2	S2: 1.7 ft. to 3.1 ft. Shell: 43.3% Mean Grain Size: 0.573mm
3		3.1 to 5.9 ft: Fine Sand - clean, light grey	S3	S3: 3.1 ft. to 5.9 ft. Shell: 12.0% Mean Grain Size: 0.196mm
4		— 4.5 ft: Clay lens — 5.9 ft: Clay lens		
5				
6		5.9 to 8.3 ft: Fine Sand / Medium Sand mix - w/ silt and shell	S4	S4: 5.9 ft. to 8.3 ft. Shell: 24.7% Mean Grain Size: 0.434mm
7		— 7.2 ft: Clay lens		
8				
9		8.3 to 9.8 ft: 4.51.4 - stiff marine clay, do not dig		
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2383615.220, Easting: 345883.820, Grid Datum: NAD '83 | FILE NUMBER: IOP-30

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.2 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.2 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.6 ft: Fine Sand with Crushed Shell - shelly fn, coquina	S1	S1: 0.0 ft. to 1.6 ft. Shell: 44.2% Mean Grain Size: 0.809mm
2		1.6 to 9.2 ft: Fine Sand / Medium Sand mix - w/ minor shells — 3.0 ft: Shell Fragment - whelk shell	S2	S2: 1.6 ft. to 5.0 ft. Shell: 9.7% Mean Grain Size: 0.241mm
3				
4				
5			S3	S3: 5.0 ft. to 9.2 ft. Shell: 6.7% Mean Grain Size: 0.221mm
6				
7				
8				
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2382878.840, Easting: 345685.540, Grid Datum: NAD '83 | FILE NUMBER: IOP-42

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.7 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.7 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.2 ft: Medium Sand with Crushed Shell - shelly, med sand, lot of shell fragments, tan	S1	S1: 0.0 ft. to 1.2 ft. Shell: 36.5% Mean Grain Size: 0.614mm
2		1.2 to 4.4 ft: Fine Sand - slight shelly on top, clean, gray	S2	S2: 1.2 ft. to 4.4 ft. Shell: 8.5% Mean Grain Size: 0.207mm
3				
4				
5		4.4 to 7.2 ft: Medium Sand with Crushed Shell - shelly med sand, gray	S3	S3: 4.4 ft. to 7.2 ft. Shell: 27.3% Mean Grain Size: 0.425mm
6				
7				
8		7.2 to 9.7 ft: Fine Sand - clean fine sand, gray — 8.2 ft: Mud Flaser — 8.4 ft: Mud Flaser	S4	S4: 7.2 ft. to 9.7 ft. Shell: 5.1% Mean Grain Size: 0.162mm
9		— 8.9 ft: Mud Flaser		
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2383542.420, Easting: 343955.530, Grid Datum: NAD '83 | FILE NUMBER: IOP-47

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 8.9 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 8.9 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 0.9 ft: Medium Sand with Crushed Shell - grey	S1	S1: 0.0 ft. to 0.9 ft. Shell: 37.7% Mean Grain Size: 0.582mm
2		0.9 to 4.3 ft: Fine Sand / Medium Sand mix - fine to med clean sand, light gray	S2	S2: 0.9 ft. to 3.0 ft. Shell: 16.5% Mean Grain Size: 0.230mm
3				
4			S3	S3: 3.0 ft. to 6.3 ft. Shell: 24.7% Mean Grain Size: 0.205mm
5		— 5.5 ft: Shell Fragment		
6		— 6.2 ft: Medium Oyster - 1.5'' broken		
7		6.3 to 7.2 ft: Medium Sand with Crushed Shell - gray	S4	S4: 6.3 ft. to 8.9 ft. Shell: 41.6% Mud: 66.7% Mean Grain Size: 0.519mm
8		7.2 to 8.9 ft: Mud - mud lake		
9				
10				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2384797.560, Easting: 344626.340, Grid Datum: NAD '83 | FILE NUMBER: IOP-48

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 9.2 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 9.2 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.6 ft: Medium Sand / Coarse Sand mix - lots of shell fragments, grey — 1.5 ft: Shell Fragment - Holloni, 1.1''	S1	S1: 0.0 ft. to 1.6 ft. Shell: 41.1% Mean Grain Size: 0.412mm
2		1.6 to 3.0 ft: Fine Sand - grey	S2	S2: 1.6 ft. to 3.0 ft. Shell: 35.6% Mean Grain Size: 0.251mm
3		3.0 to 5.3 ft: Mud - dark grey	S3	S3: 3.0 ft. to 5.3 ft. Shell: 24.7% Mud: 71.1% Mean Grain Size: 0.198mm
4		5.3 to 6.3 ft: Very Fine Sand - grey	S4	S4: 5.3 ft. to 6.3 ft. Shell: 25.5% Mean Grain Size: 0.209mm
5		6.3 to 9.2 ft: Mud - dark grey	S5	S5: 6.3 ft. to 9.2 ft. Shell: 26.1% Mud: 61.0% Mean Grain Size: 0.359mm
6				
7				
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CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2384446.680, Easting: 344446.680, Grid Datum: NAD '83 | FILE NUMBER: IOP-49

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 10.5 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 10.5 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 1.9 ft: Fine Sand with Crushed Shell very fine sand with lot of shell fragments, grey	S1	S1: 0.0 ft. to 1.9 ft. Shell: 28.4% Mean Grain Size: 0.388mm
2		1.9 to 3.4 ft: Very Fine Sand - clay-silty sand, tan	S2	S2: 1.9 ft. to 3.7 ft. Shell: 13.5% Mean Grain Size: 0.151mm
3		3.4 to 5.0 ft: Fine Sand - fine silt sand, tan, shelly at top	S3	S3: 3.7 ft. to 5.0 ft. Shell: 7.3% Mean Grain Size: 0.152mm
4		5.0 to 9.2 ft: Fine Sand - clean, grey	S4	S4: 5.0 ft. to 9.2 ft. Shell: 6.8% Mean Grain Size: 0.185mm
5		9.2 to 9.2 ft: Medium Sand with Crushed Shell - shelly sand, grey — 9.0 ft: Small Oyster - 1.1'', broken	S5	S5: 9.2 ft. to 9.2 ft. Shell: 37.6% Mean Grain Size: 0.529mm
6		9.2 to 10.5 ft: Medium Sand - grey,shelly — 9.5 ft: Mud Flaser	S6	S6: 9.2 ft. to 10.5 ft. Shell: 19.6% Mean Grain Size: 0.302mm
7				
8				
9				
10				
11				

CORE LOG — Coastal Science & Engineering — Sheet 1 of 1

PROJECT: 258925 - Isle of Palms Feb | COORDINATES: Northing: 2379408.430, Easting: 344446.680, Grid Datum: NAD '83 | FILE NUMBER: IOP-60

LOCALITY:

DATE: | TOP ELEVATION: | DEVICE DESIGNATION: Coastal Science & Engineering

BORE ANGLE: 90.00° | BOTTOM ELEVATION: | BARREL SIZE/TYPE: 3 in. Aluminum

BURDEN THICKNESS: 11.3 ft. | WATER DEPTH: | GEOLOGIST: FIELD TEAM:

CORE RECOVERY: 11.3 ft. (100.0%) (operational note only)

Depth	Lithology	Classification Of Materials (Description)	Sample #	Remarks
1		0.0 to 2.2 ft: Sandy Mud - silty,sand with clay, tan gray — 1.2 ft: Shell hash lens	S1	S1: 0.0 ft. to 2.2 ft. Shell: 47.6% Mean Grain Size: 0.157mm
2		2.2 to 5.2 ft: Very Fine Sand - Gray	S2	S2: 2.2 ft. to 5.0 ft. Shell: 10.4% Mean Grain Size: 0.419mm
3		— 4.9 ft: Shell hash lens	S3	S3: 5.0 ft. to 9.2 ft. Shell: 11.5% Mean Grain Size: 0.178mm
4		Shelly clay, dark gray	S4	S4: 9.2 ft. to 11.3 ft. Shell: 22.8% Mud: 35.2% Mean Grain Size: 0.235mm
5		9.0 to 11.3 ft: 4.51.4 - stiff clay, gray green		
6				
7				
8				
9				
10				
11				

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

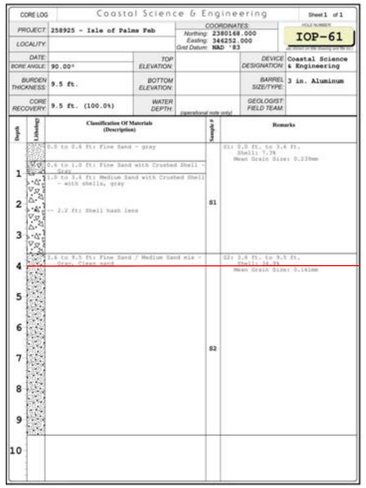
DRAWING TITLE:
Geotechnical Data
Core Logs

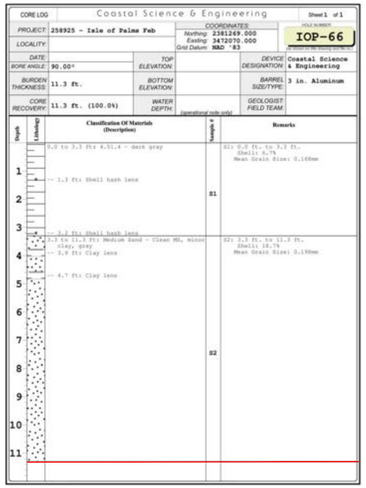
SOUTH CAROLINA — COASTAL SCIENCE & ENGINEERING No. C01950 — CERTIFICATE OF AUTHORIZATION

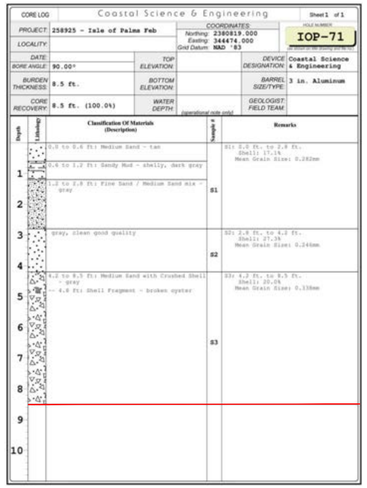
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23875

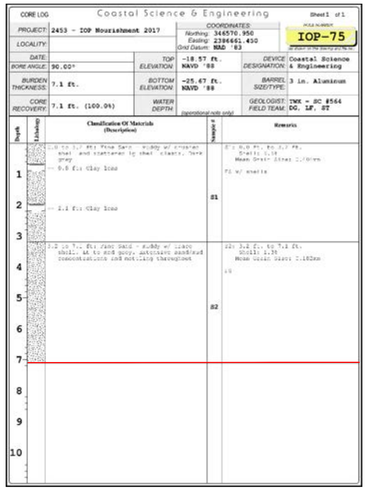
SCALE:	AS SHOWN
DATE:	17 July 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

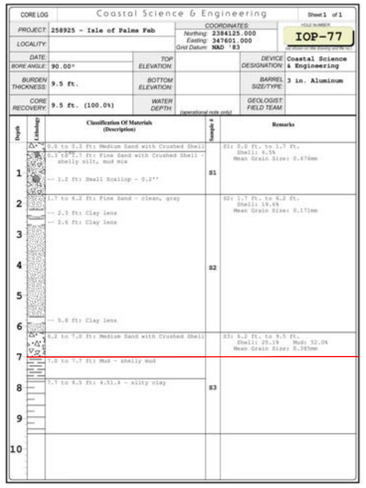
SHEET NO: 15

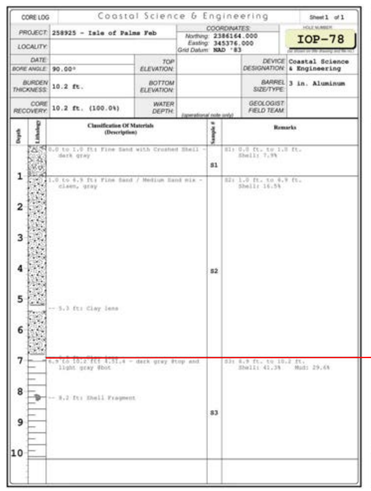


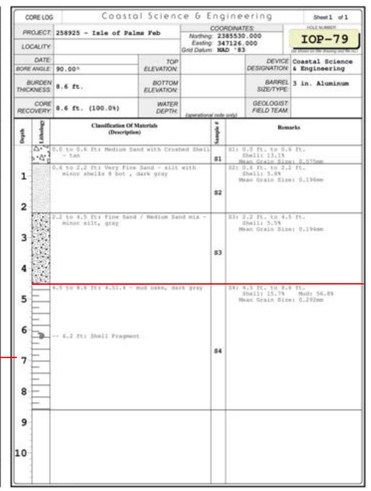


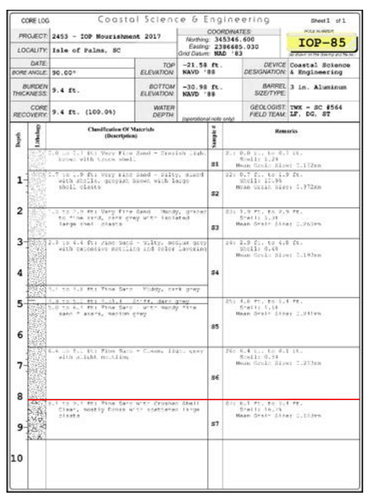


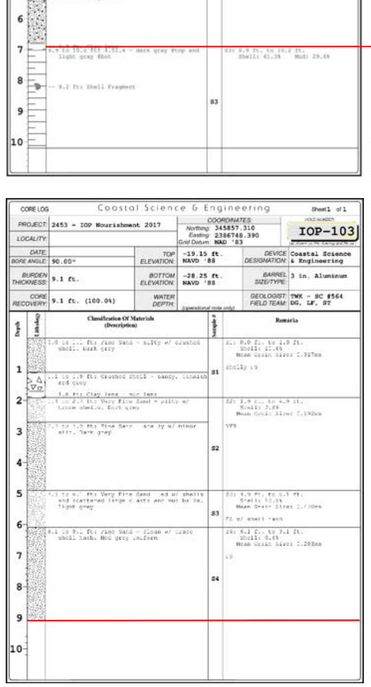


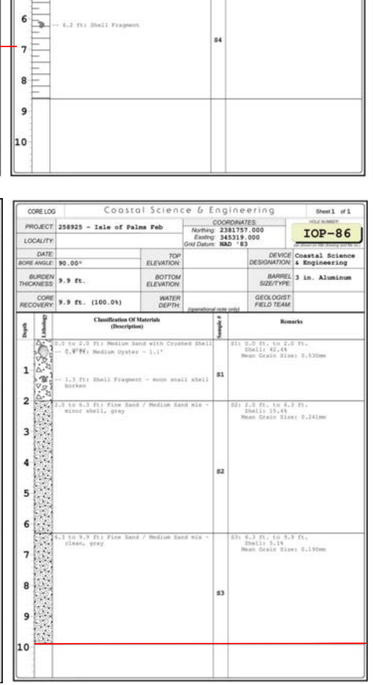


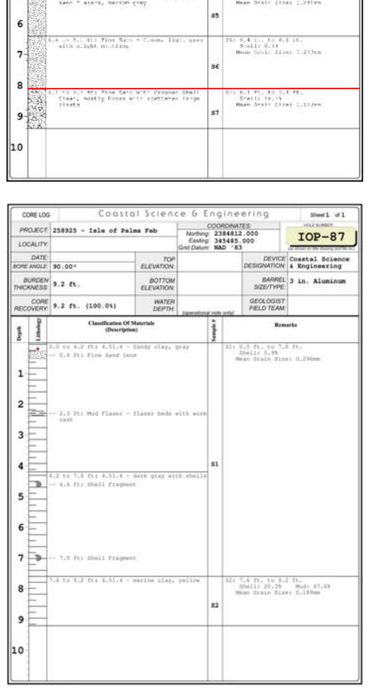


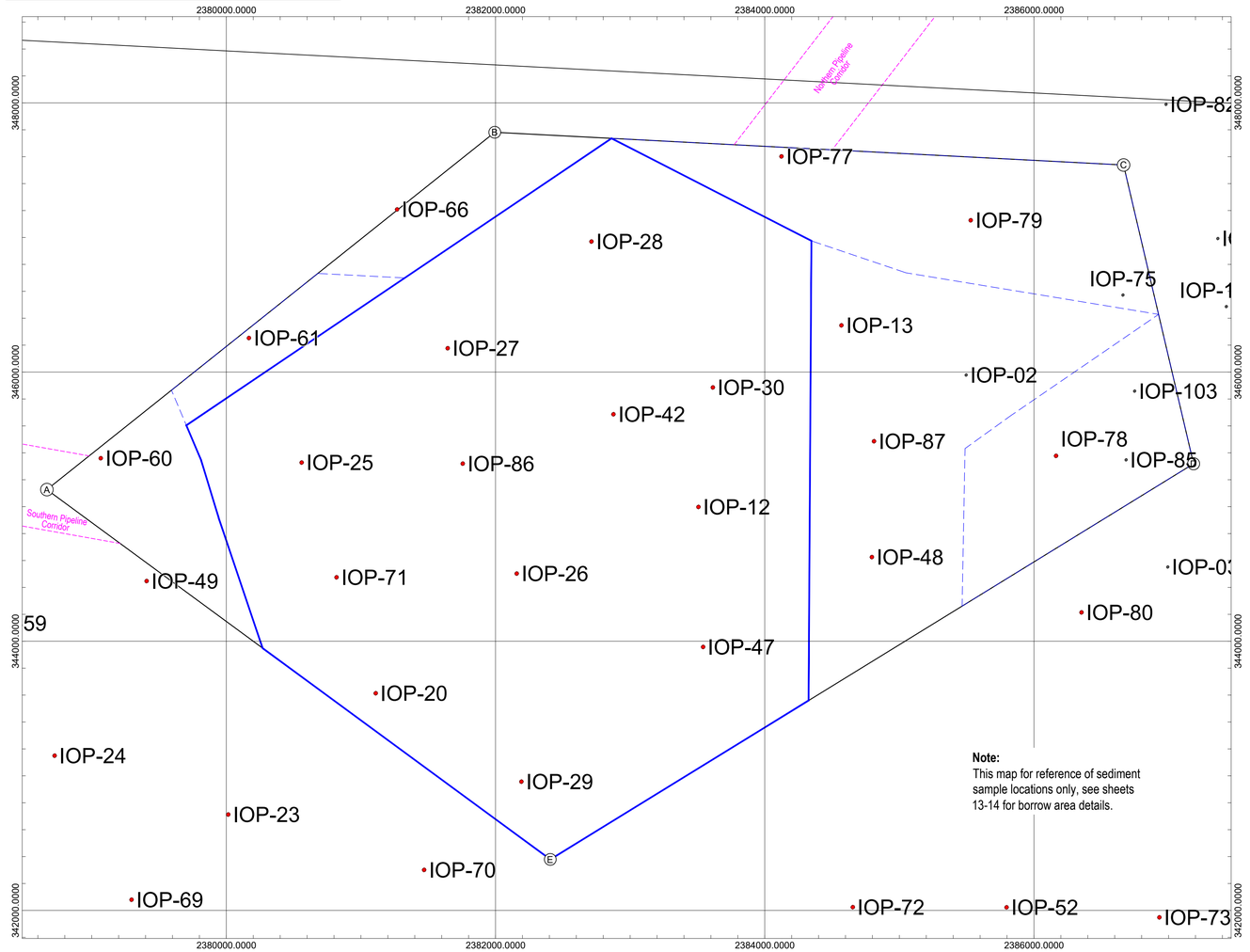












Datum:
Horizontal: NAD'83 SPCS (feet)
SC Zone 3900
Vertical: NAVD '88 (FEET)

CLIENT:
CITY OF ISLE OF PALMS
1207 PALM BLVD.
ISLE OF PALMS SC 29451

PROJECT:
ISLE OF PALMS
BEACH RESTORATION PROJECT

DRAWING TITLE:
Geotechnical Data
Core Logs

SOUTH CAROLINA — COASTAL SCIENCE & ENGINEERING No. C01950 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 23875 — REGISTERED PROFESSIONAL ENGINEER — HUGHES

SCALE:	AS SHOWN
DATE:	17 July 2026
DRAWN BY:	SF/TH
APPROVED BY:	
PROJECT #:	2623

SHEET NO: **16**