



Note: Contractor is responsible for taking all necessary measures to prevent destruction of property including buildings, boardwalks and pavement during construction ingress/egress in access areas.

The POA House access for personal vehicles only, all heavy equipment shall ingress/egress the beach at the 53rd Avenue access.

Contractor to excavate maximum amount of material practicable from the seawardmost accessible point near the low tide line.

Image shown was collected February 2025 and may not represent the current beach conditions.

Trucks should transit the beach between harvest and fill areas utilizing the west sand beach between the 0' ft NAVD contour and the high tide line (upper wet-sand beach)

Contractor is responsible for taking all necessary measures to prevent oil, tar, trash, debris, and other pollutants from entering the adjacent waters or wetlands.

In the event that archaeological or paleontological remains are found during the course of work, the Contractor should immediately notify the Engineer and Owner's representative, who will notify the appropriate entities. Archaeological remains consist of any material made or altered by man, which remain from past historic or prehistoric times (ie older than 50 years). Examples include old pottery fragments, metal, wood, arrowheads, stone implements or tools, human burials, historic docks, structures, or non-recent vessel remains. Paleontological remains consist of old animal remains, original or fossilized, such as teeth, tusks, bone, or entire skeletons. Excavation and/or Fill activity should be relocated to an adjacent area until work is authorized to continue by the Engineer where the object was found.

All authorized work shall be conducted in a manner that minimizes any adverse impact on fish, wildlife and water quality.

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CONTROL STATION - 3173 E
PID - CJ1428

N: 356,219.8'
E: 2,390,859.0'
ELEV: 10.894' NAVD

Directions:
The BCM monument 3173 E is located on the seaward side of Wild Dunes Property Owners Beach House property. Along the boardwalk that leads from the building to the ocean, there is an attached wooden, deck and seating area. The monument is located 11 feet north of the northeast corner of the deck/seating area.

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Survey Datum:
Horizontal: SPCS NAD '83 (Int'l ft) SC Zone 3900
Vertical: NAVD '88 (Feet)

Data Notes:
Contours and Photo collected 26 February 2025
Data collected by Coastal Science & Engineering, Inc via RTK GPS:

STATION ID: 8665552 PUBLICATION DATE: 07/21/2003

NAME: BREACH INLET
NOAA CHART: 11523 LATITUDE: 32° 46.6' N
USGS QUAD: FORT MOULTRIE LONGITUDE: 79° 48.7' W

TIDAL DATUMS AT BREACH INLET BASED ON:
LENGTH OF SERIES: 12 MONTHS
TIME PERIOD: JUNE 1975 - MAY 1976
TIDAL EPOCH: 1983-2001
CONTROL TIDE STATION: 8665530 CHARLESTON, COOPER RIVER ENTRANCE

ELEVATIONS OF TIDAL DATUMS REFERRED TO (NAVD), IN FEET:

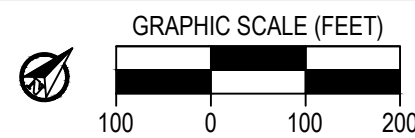
MEAN HIGHER HIGH WATER (MHHW)..... 2.41
MEAN HIGH WATER (MHW)..... 2.03
NORTH AMERICAN VERTICAL DATUM-1988 (NAVD)..... 0.00
MEAN SEA LEVEL (MSL)..... -0.39
MEAN TIDE LEVEL (MTL)..... -0.44
MEAN LOW WATER (MLW)..... -2.91
MEAN LOWER LOW WATER (MLLW)..... -3.10

BASELINE COORDINATE CHART			
System: US State Plane 1983 Zone: SC 3900 Datum: NAD 1983 (feet)			
NAME	NORTHING	EASTING	ELEV (FT NAVD)
3159 B	354,203.210	2,385,426.650	5.850
3173 B	356,249.097	2,390,843.494	4.980
328+00	360,015.890	2,393,834.150	-

Note:
Owner reserves the right to vary fill volumes between the fill sites at no additional cost based on the condition at the time of construction and sand retention as the project progresses.



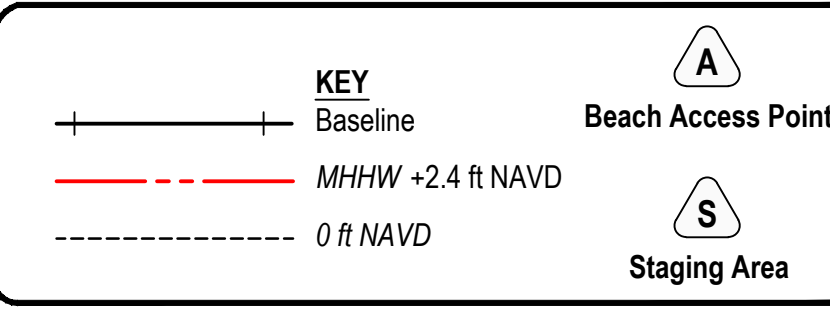
53rd Avenue Map (Heavy Equipment Access)



Note: Contractor is responsible for taking all necessary measures to prevent destruction of property including buildings, boardwalks and pavement during construction ingress/egress in access areas.

Please note working hours and sea turtle protection measures provided in the construction documents.

Engineer will provide grade stakes in each fill area at the beginning of the project



NO.	REVISION	BY	DATE

CSE
COASTAL SCIENCE & ENGINEERING

160 Gills Creek Parkway
Columbia, SC 29202
Office 803-799-8949

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

PROJECT:
ISLE OF PALMS
SHOAL MANAGEMENT PROJECT

DRAWING TITLE:
OVERALL PROJECT PLAN & SURVEY CONTROL

SCALE: AS SHOWN SHEET NO: **01**

DATE: 14 Mar 2025

DRAWN BY: JJH

APPROVED BY: SBT

PROJECT #: 2589



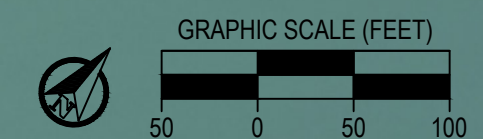
EXCAVATION BORROW AREA
 STA 276+00 to 298+00
 ~2,600 Linear Feet @ -2 ft NAVD
BASE BID - 150,000 cy
 ALTERNATE BID - Up To Additional 50,000 cy
Total Max Volume = 200,000 cy

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Contractor to excavate maximum amount of material practicable from the seawardmost accessible point near the low tide line.

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KEY	
	Baseline
	MHHW +2.4 ft NAVD
	0 ft NAVD
	Beach Access Point
	Staging Area

Survey Datum:
 Horizontal: SPCS NAD '83 (Feet) SC Zone 3900
 Vertical: NAVD '88 (Feet)
Data Notes:
 Contours and Photo collected 26 February 2025
 Data collected by Coastal Science & Engineering, Inc via RTK GPS:

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 160 Gills Creek Parkway
 Columbia, SC 29202
 Office 803-799-8949

CLIENT:
 CITY OF ISLE OF PALMS
 1207 Palm Blvd
 ISLE OF PALMS SC 29451

PROJECT:
 ISLE OF PALMS
 SHOAL MANAGEMENT PROJECT

DRAWING TITLE:
 PROJECT PLAN
 EXCAVATION AREA

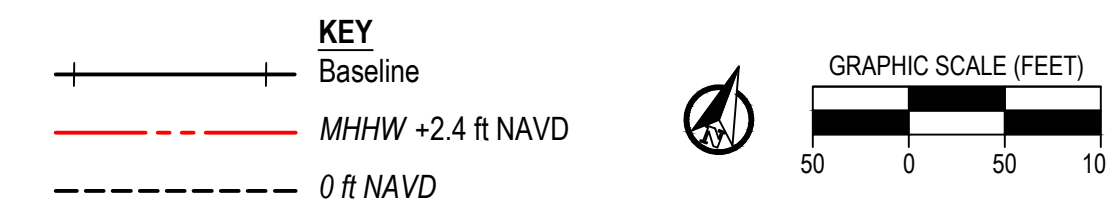
SCALE: AS SHOWN

DATE: March 2025
DRAWN BY: JJH
APPROVED BY: SBT
PROJECT #: 2384

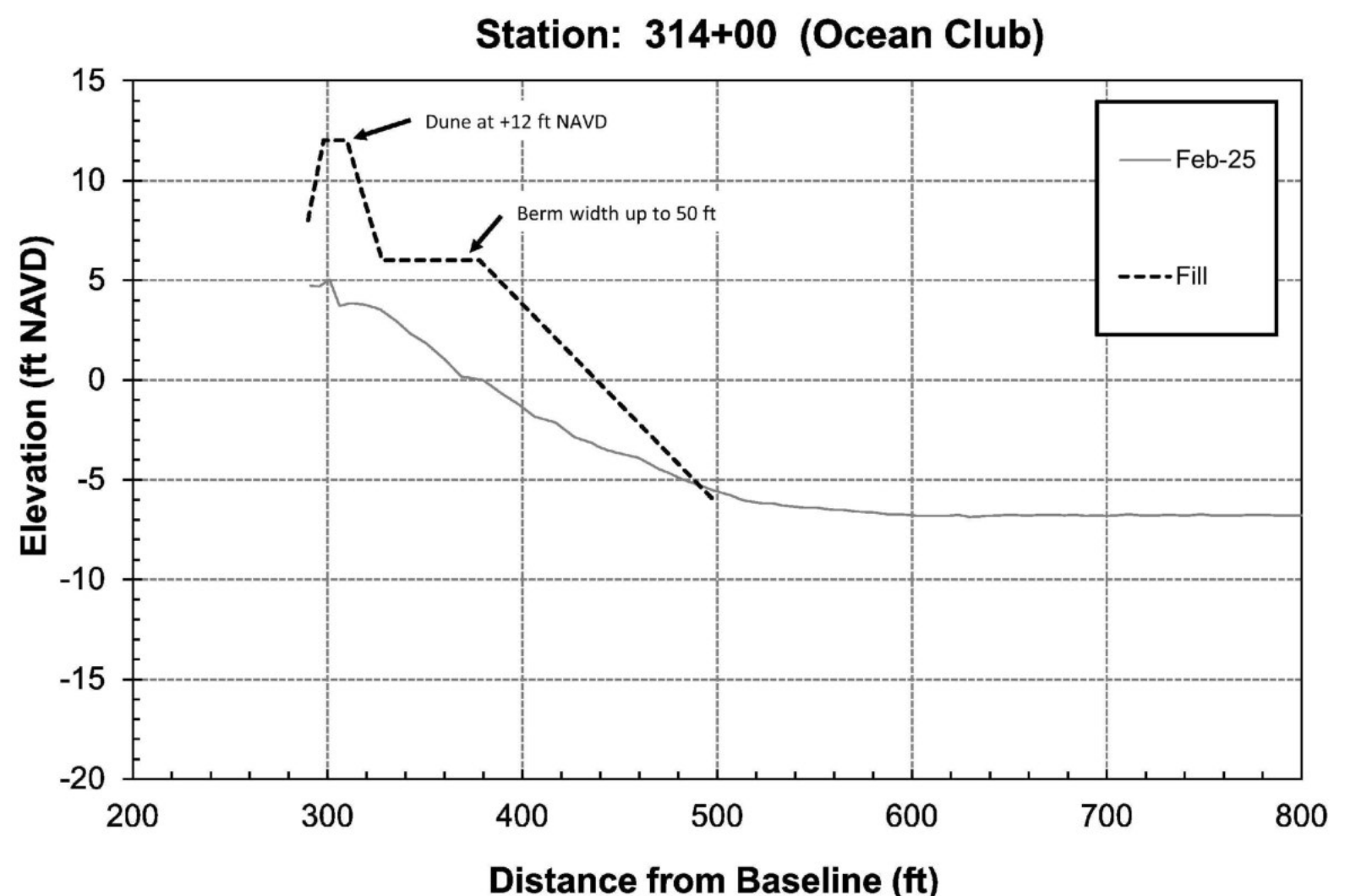
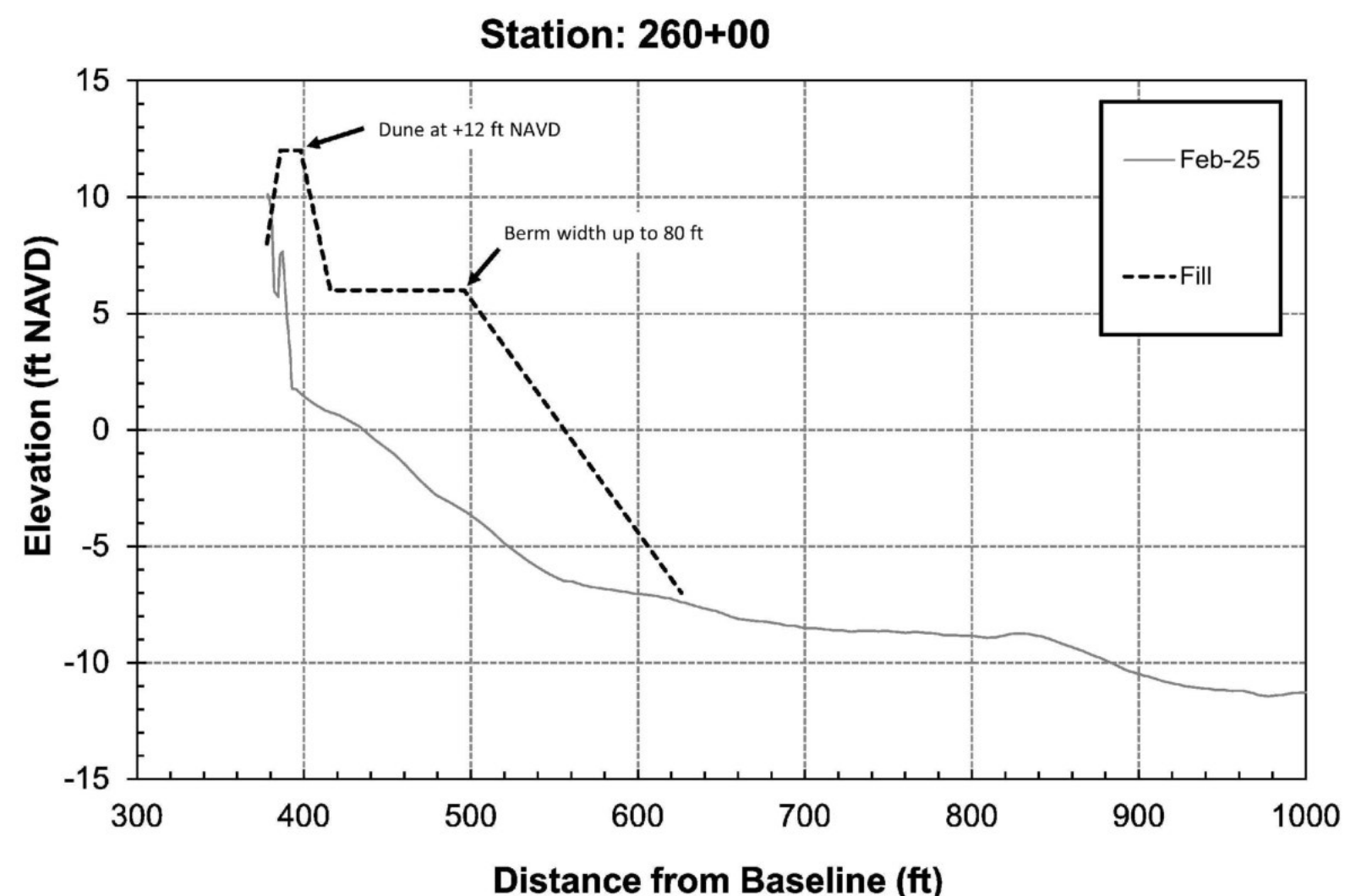
SHEET NO.:
 02



FILL PLACEMENT AREA 1
 STA 252+00 to 268+00
 1,600 ft Linear Feet
 BASE BID - 100,000 cy
 ALTERNATE BID - Up To Additional 50,000 cy
 Total Max Volume = 150,000 cy



Typical Fill Sections



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Equipment haul path should remain between 0' and the high tide line.

- A** Beach Access Point
- S** Staging Area
- D** Pedestrian Access
Contractor shall place sand over revetment at the community access at Station 255+00 to create a pedestrian access

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 Vertical: NAVD '88 (Feet)
Data Notes:
 Contours and Photo collected 26 February 2025
 Data collected by Coastal Science & Engineering, Inc via RTK GPS:

COASTAL SCIENCE & ENGINEERING
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 Office 803-799-8949

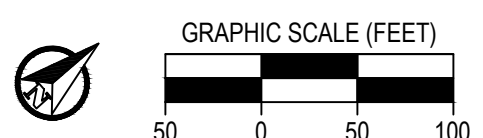
CLIENT:
 CITY OF ISLE OF PALMS
 1207 Palm Blvd
 ISLE OF PALMS SC 29451

PROJECT:
 ISLE OF PALMS
 SHOAL MANAGEMENT PROJECT

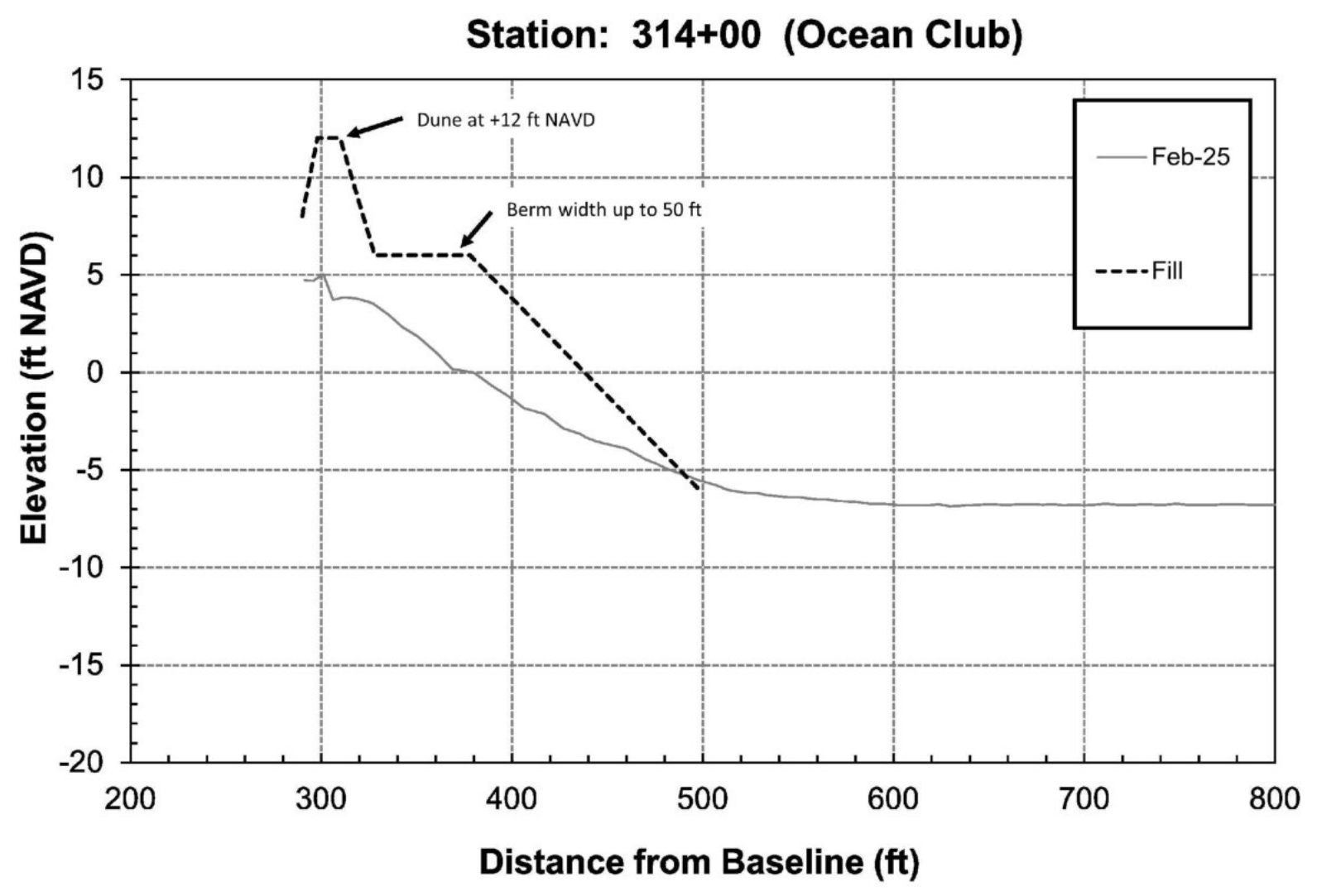
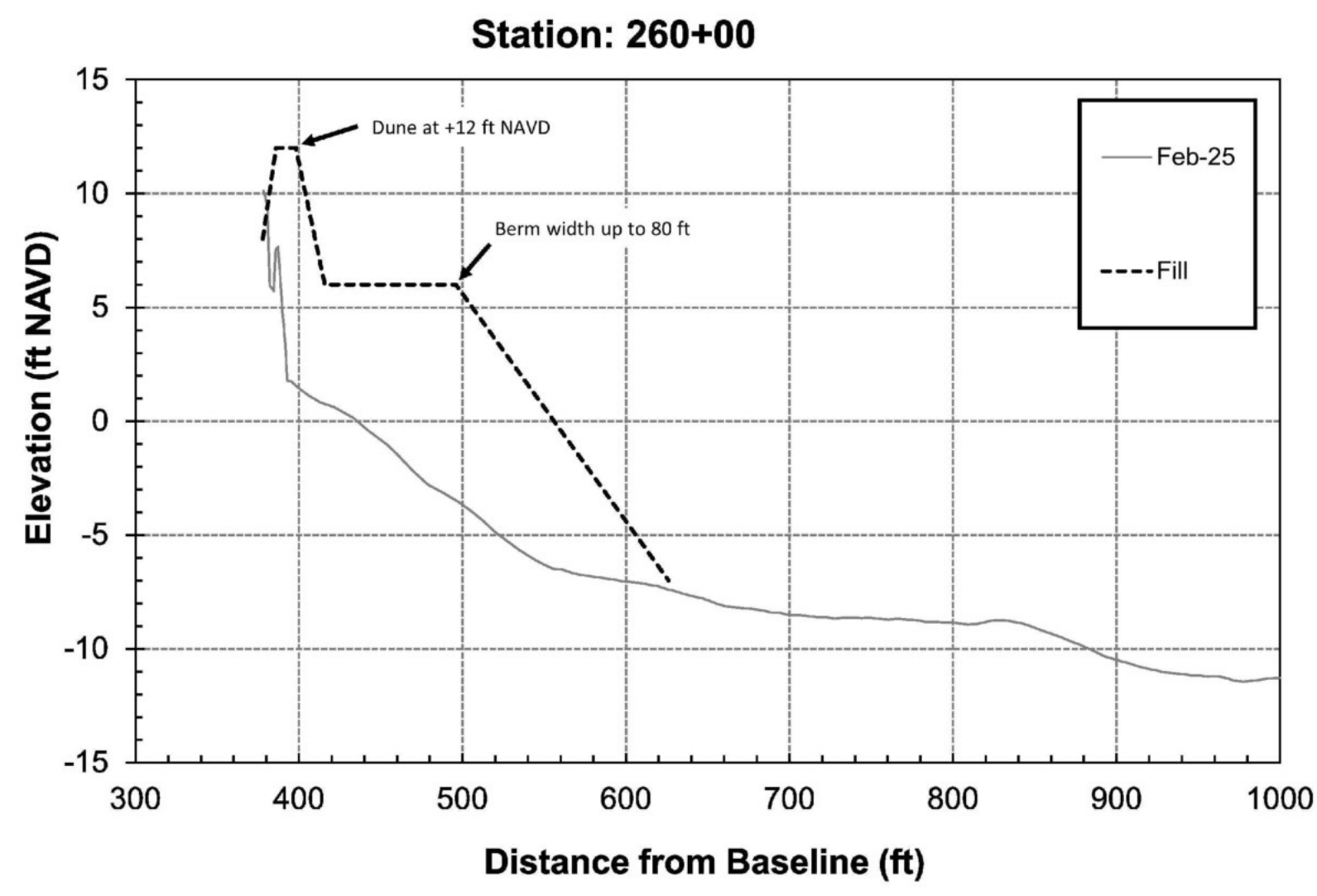
DRAWING TITLE:
 PROJECT PLAN
 BEACH FILL AREA 1

SCALE: AS SHOWN
DATE: 14 Mar 2025
DRAWN BY: JJH
APPROVED BY: SBT
PROJECT #: 2589

SHEET NO.: 03



Typical Fill Sections



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	0 ft NAVD		

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 Data collected by Coastal Science & Engineering, Inc via RTK GPS:

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CLIENT:
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 ISLE OF PALMS SC 29451

PROJECT:
 ISLE OF PALMS
 SHOAL MANAGEMENT PROJECT

DRAWING TITLE:
 PROJECT PLAN
 BEACH FILL AREA 2

SCALE:
 AS SHOWN

DATE:
 14 Mar 2025
 DRAWN BY:
 JJH
 APPROVED BY:
 SBT
 PROJECT #:
 2589

SHEET NO:
04