

Fill design is based on the beach condition in June 2025. The actual limit of fill will be the +7 ft NAVD contour at the time of construction.

The final configuration and limits of beach construction will be determined based on conditions at the time of construction and the aggregate total fill volume that can be accomplished within the available budget for the project. The indicated quantities are maximum amounts to be permitted.

The project will not fill or cover any emergency shore protection structures such as sandbags. Buffers (no work areas) alongshore will be maintained around areas of active bird nesting at the time of construction in consultation with NPS biologists. To extent practicable, the construction berm will shift seaward of Mean Low Water at sites of nests then reenter the existing beach outside of the buffer zone.

Initial dunes will be built along the Village of Buxton during renourishment construction. The dune crest will be at +13 ft NAVD and the typical width of the dune crest will be 20 ft. The seaward slope of the dune will be at 1 on 3. The constructed dry sand berm (@+7 ft NAVD) in front of the toe of the dune will be 225-250 ft wide.

No fill is to be placed on exposed emergency sand bags, or under exposed walkovers and houses.

Staging, Parking and Access areas are located at the end of Old Lighthouse Road.



Survey Datum:

Horizontal: SPCS NAD '83 (Feet) NC Zone 3200

Vertical: NAVD '88 (Feet)

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

Data collected: 26 June 2025 Aerial Image: 26 June 2025 MHW (+1.05 ft NAVD) MLW (-1.94 ft NAVD)



Applicant:
Dare County
954 Marshall Collins Dr.
Manteo, NC 27954

Project:

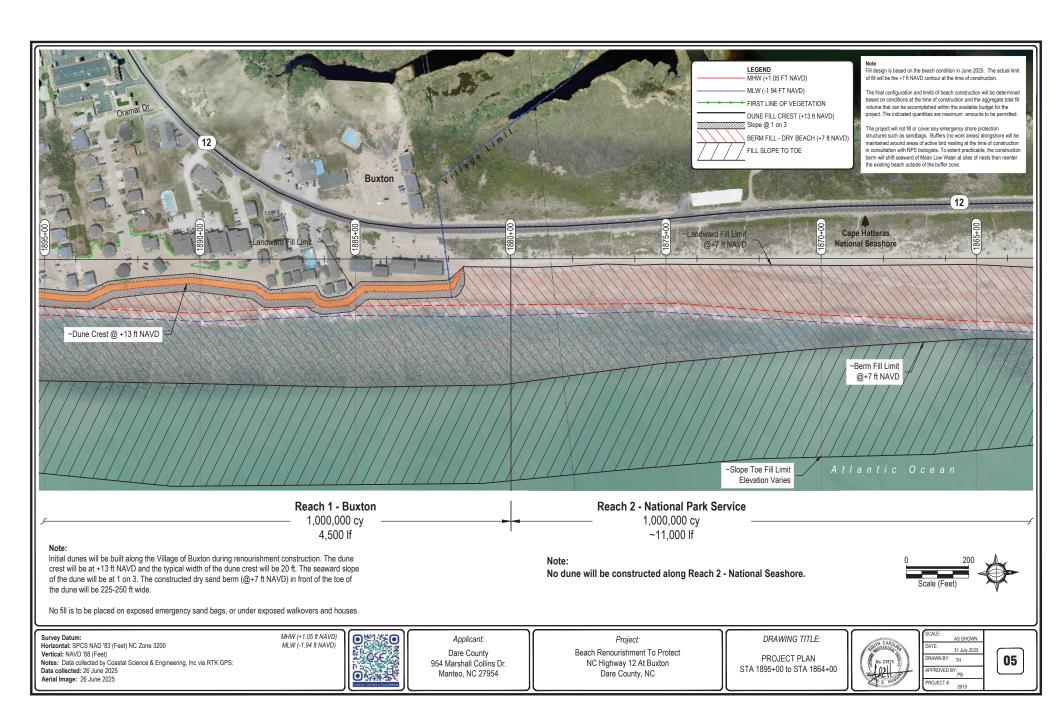
Beach Renourishment To Protect NC Highway 12 At Buxton Dare County, NC DRAWING TITLE:

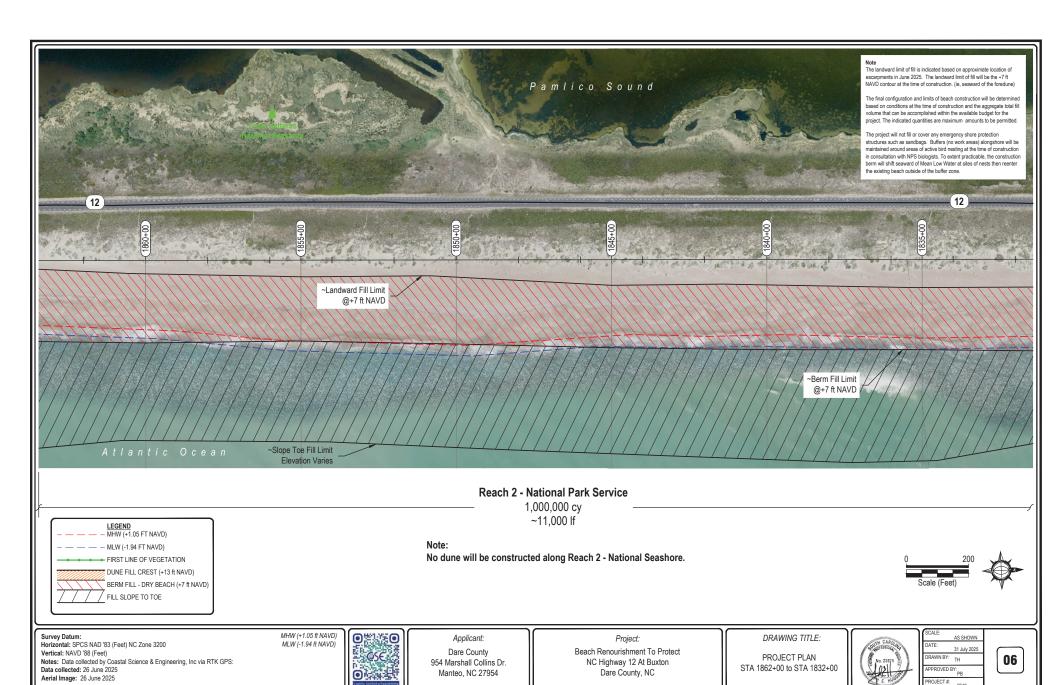
PROJECT PLAN STA 1925+50 to STA 1895+00



	SCALE: AS SHOWN
HILLIAND FORMAL STREET, STREET	DATE: 31 July 2025
	DRAWN BY: TH
	APPROVED BY: PB
	PROJECT #: 2619









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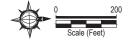
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Reach 2 - National Park Service

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Note:

No dune will be constructed along Reach 2 - National Seashore.



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Horizontal: SPCS NAD '83 (Feet) NC Zone 3200

Vertical: NAVD '88 (Feet)

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Dare County
954 Marshall Collins Dr.
Manteo, NC 27954

Project:
Beach Renourishment To Protect
NC Highway 12 At Buxton
Dare County, NC

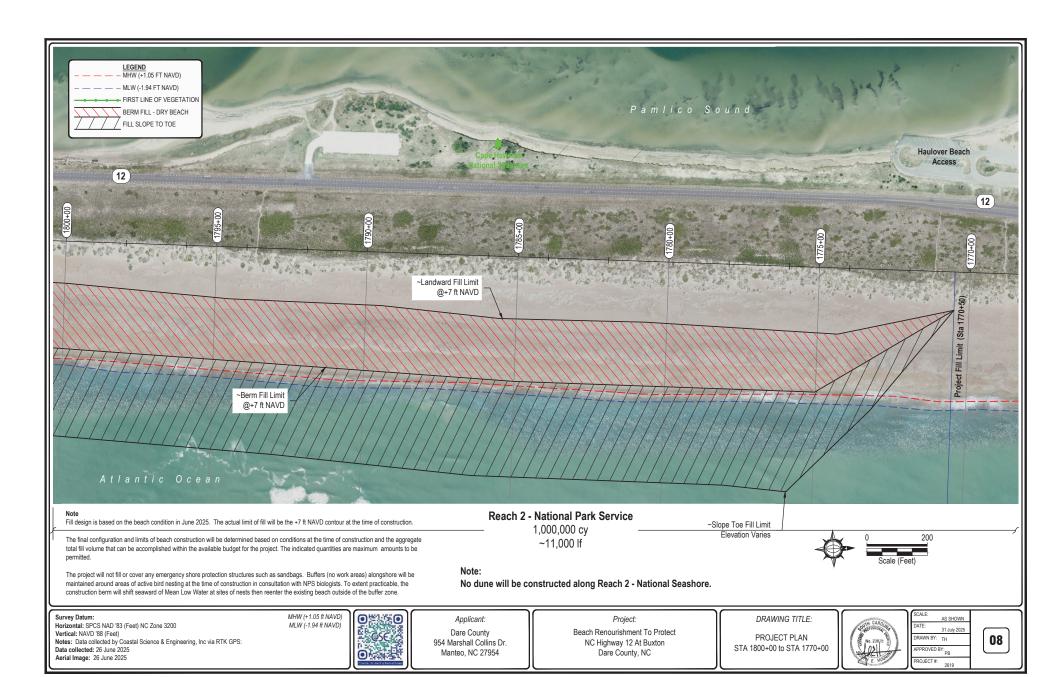
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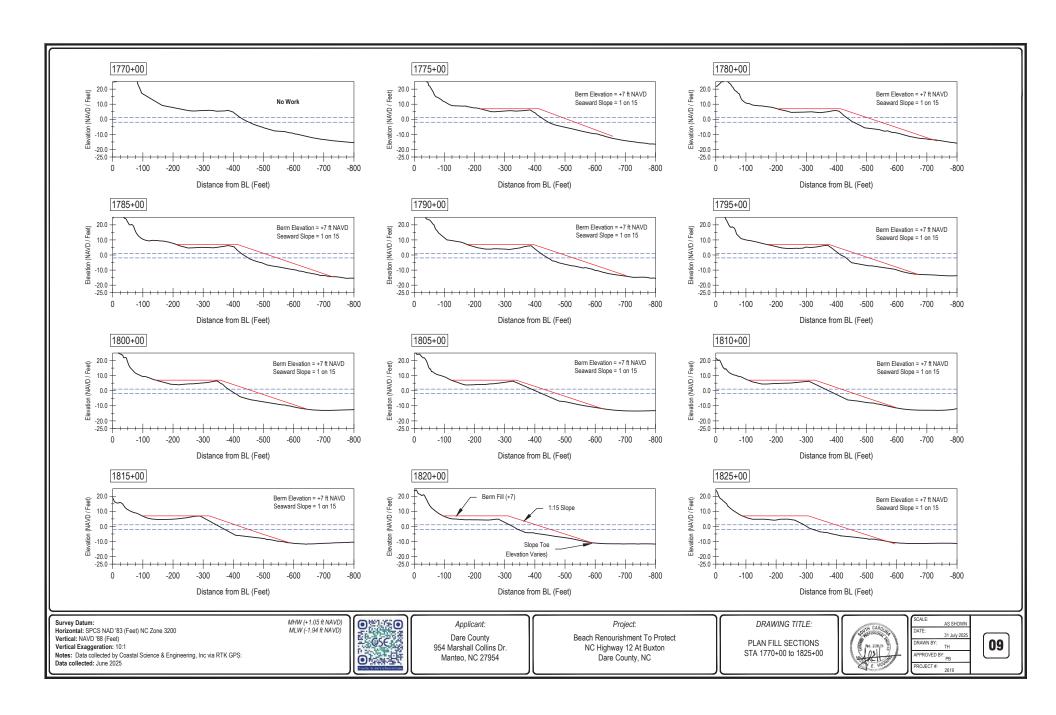
PROJECT PLAN STA 1832+00 to STA 1800+00

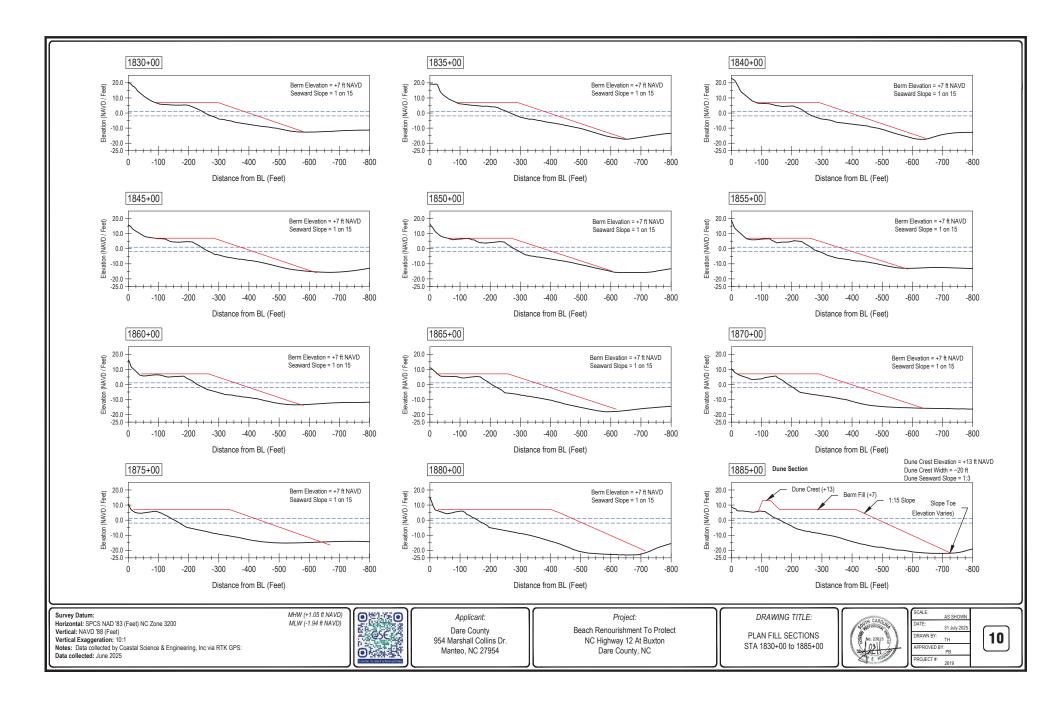


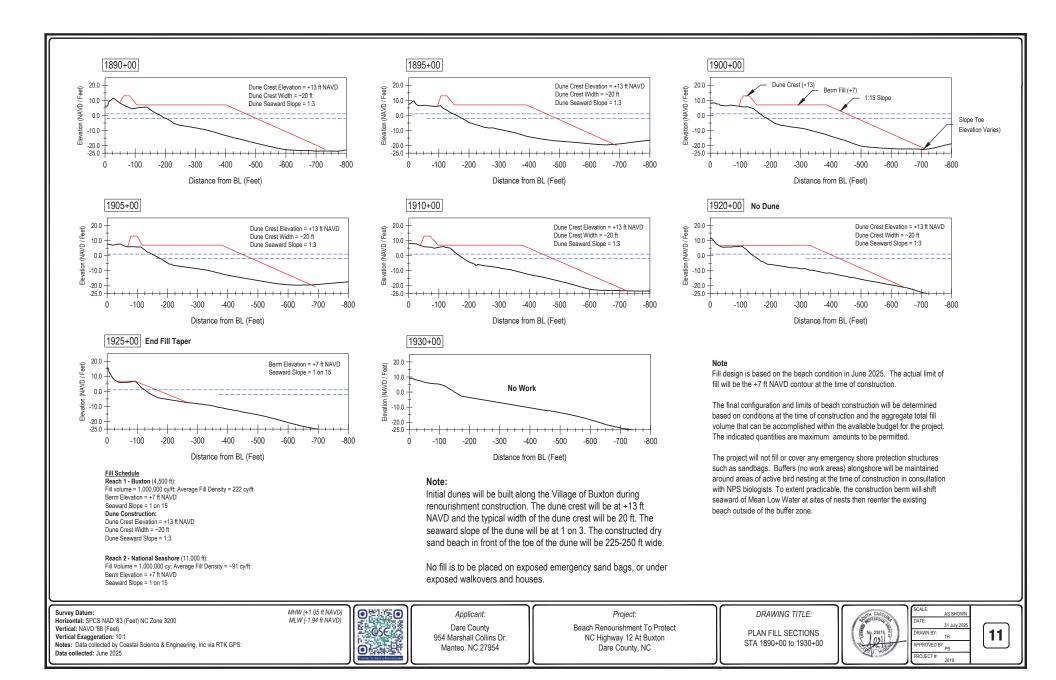
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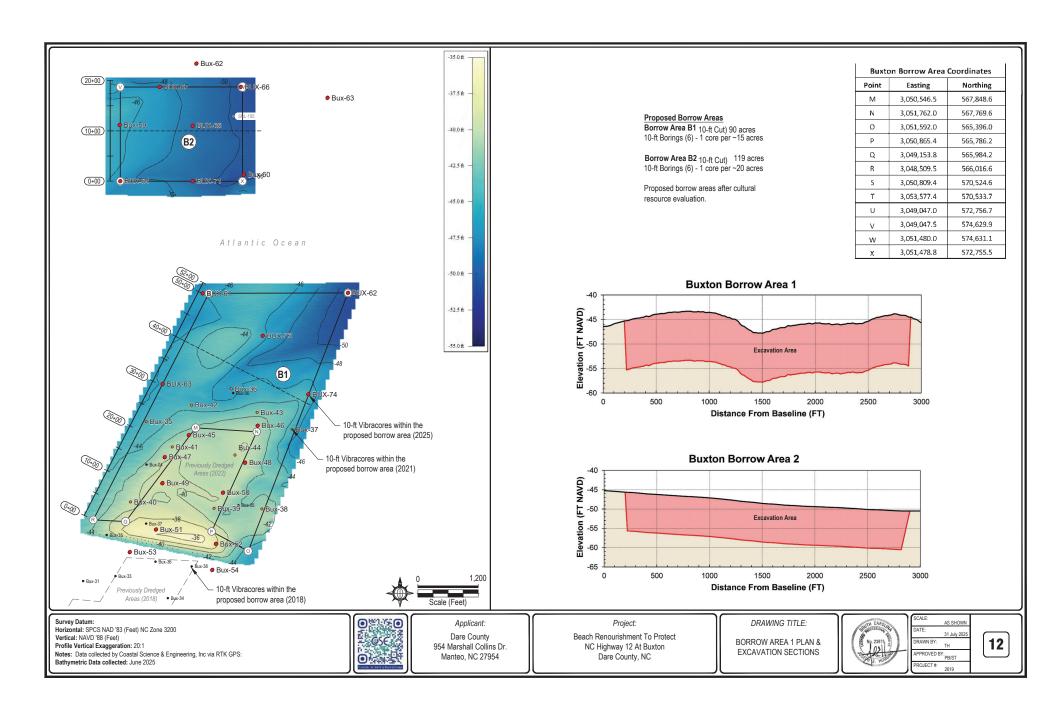
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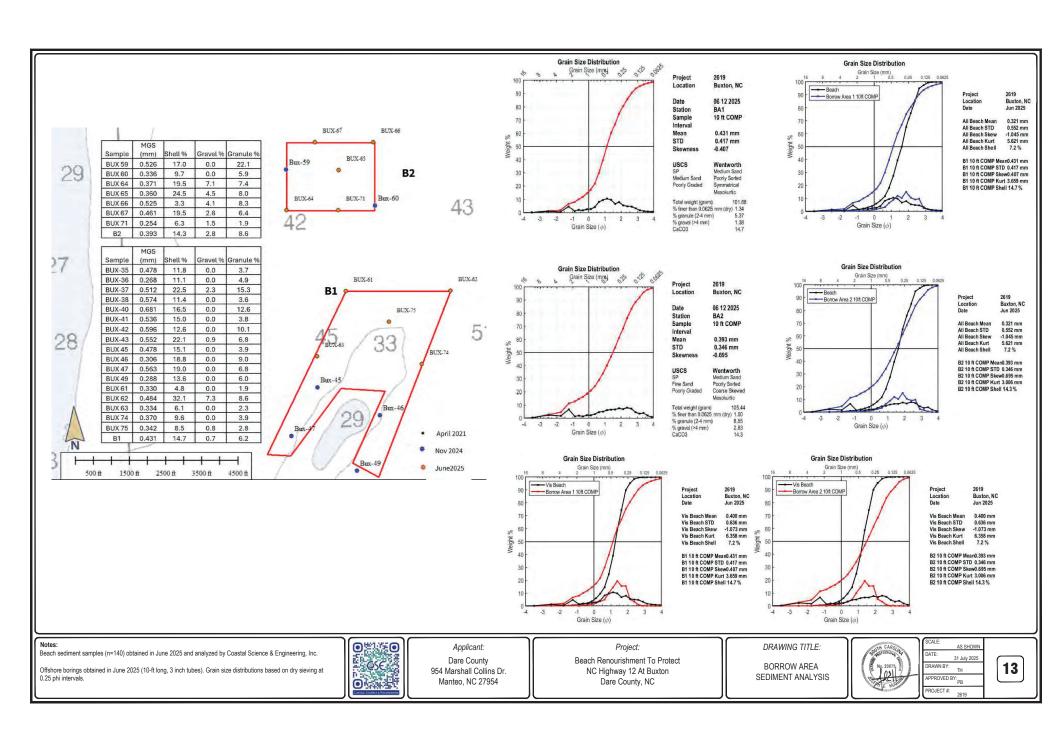


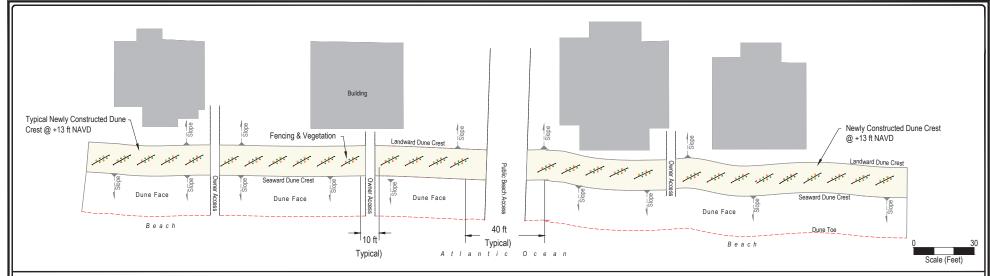






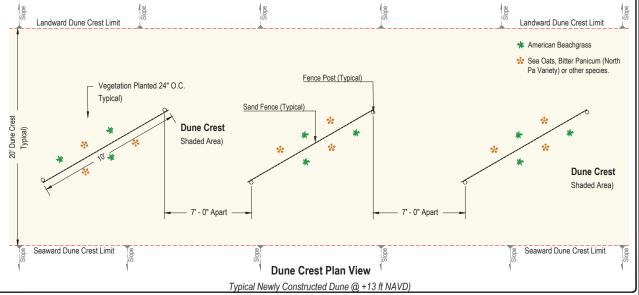






The general sand-fencing installation guidance issued by USFWS/NCDCM states

- All sand fencing installations will comply all current statutes and regulations as specified by the NCDCM and under the NC Coastal Area Management Act (CAMA).
- Sand fence will be placed in a sea turtle compatible design and be made of biodegradable material.
- Sand fence will be installed on the newly constructed dune crest and not down the slope of the dune.
- Sand fence will be designed and installed as follows: a maximum of ten (10) foot long spurs of sand fencing spaced at a minimum of seven (7) feet on a diagonal alignment (facing the predominate wind direction - from the south for the Avon project area)
- Only one row of sand fencing will be installed in sea turtle nesting habitat.
- Existing native dune vegetation will be disturbed only to the minimum extent necessary. Only native, salt tolerant plan species will be installed.
- Education signs will be placed where appropriate at beach access points explaining the importance of the area to sea turtles and/or the life history of sea turtle species that nest in the area.



Sand fencing will only be installed along Reach 1 - Buxton. Vegetation will only be planted along Reach 1 - Buxton



Applicant: Dare County 954 Marshall Collins Dr. Manteo, NC 27954

Project: Beach Renourishment To Protect NC Highway 12 At Buxton Dare County, NC

DRAWING TITLE: SAND FENCING & VEGETATION



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OFESSION AS	DATE: 31 Jul
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