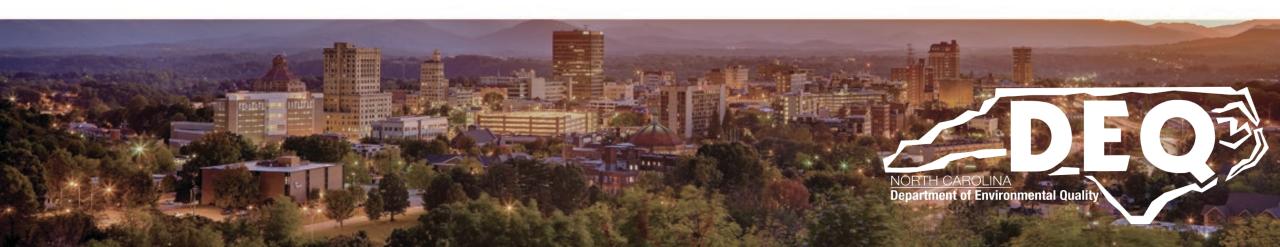


NCDOT variance request (CRC-24-03)

Greg Daisey
Transportation Projects Field Representative
Elizabeth City District
Division of Coastal Management

NC Coastal Resources Commission Meeting on June 11, 2020

Department of Environmental Quality



NC Highway 12, North End of Ocracoke Island, Hyde County

NC 12 Sandbag Project
Ocracoke Island
Hyde County Quad Name Green Island



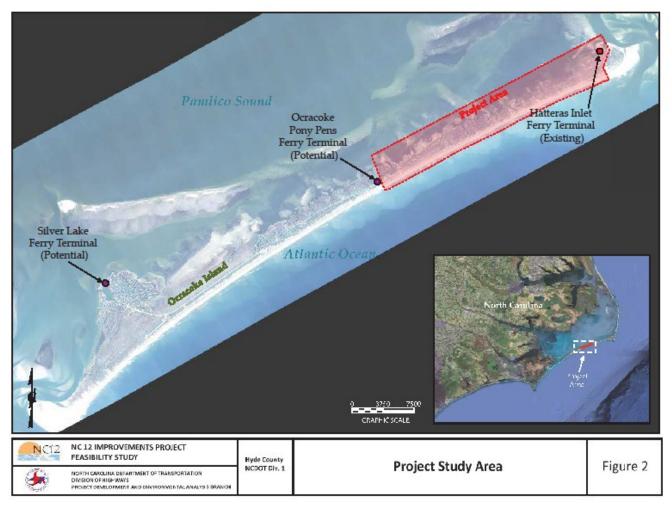


1 0.5 0 1 Miles



Department of Environmental Quality

DOT 2016 Feasibility Study Map

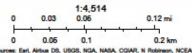




Historical Oceanfront Shoreline - Project Location



5/8/2020, 11:04:23 AM



Sources: Earl, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatestynsteen, Rijksweitenstest, CSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Earl, HERE, Garmin, FAO, NCAA, USGS, © OpenStreetMap contribution, and the GIS User Community

NC Department of Environmental Quality 2017

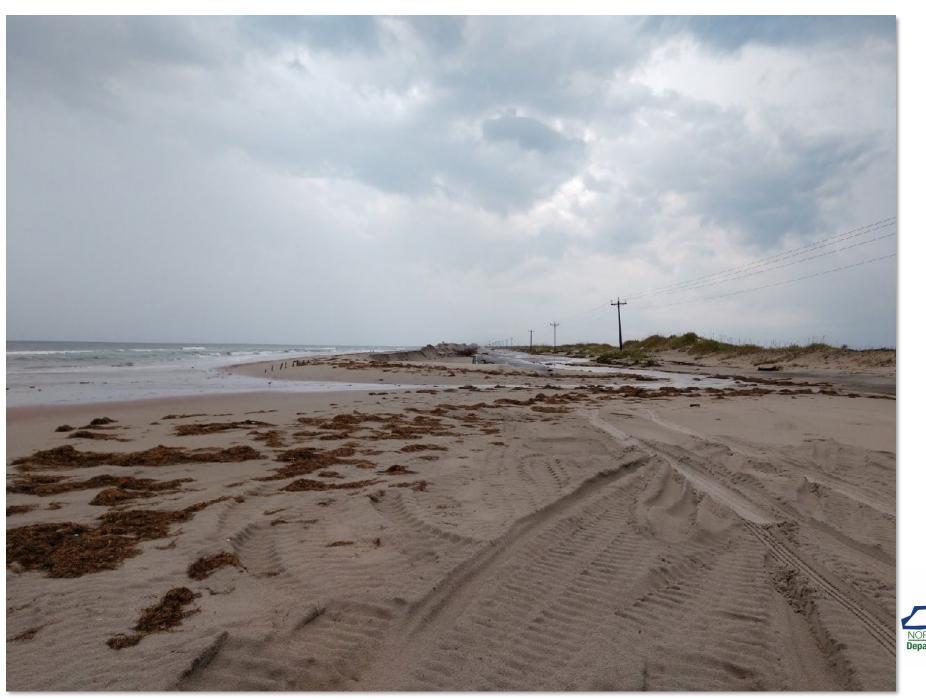




Project Area Post Hurricane Dorian

Looking Southwest





Project Area NC Highway 12 Post Hurricane Dorian





Project Area NC Highway 12 Post Hurricane Dorian





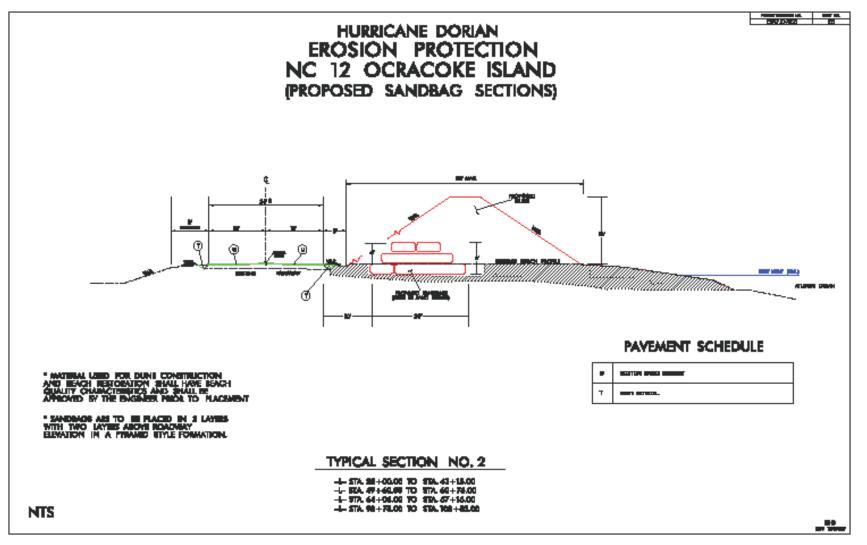
Project Area NC Highway 12 Post Hurricane Dorian





Project Site NC Highway 12 Post Hurricane Dorian





Petitioner's
Currently
Approved
Project
Drawings

Emergency Major Modification CAMA Major Permit No. 24-03 issued September 2019

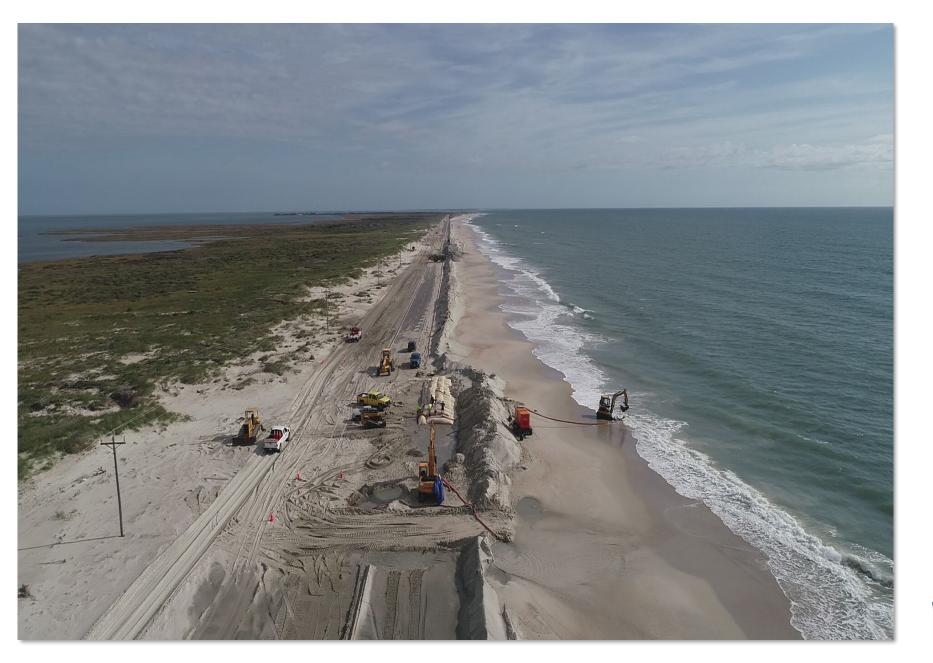


Drawings Submitted by NCDOT September 20, 2019



Project Site Looking Northeast

Photo by NCDOT October 14, 2019



Project Site Looking Northeast



Project Area Looking Northeast



Photo by NCDOT October 29, 2019



Project Area Looking Northeast



Photo by NCDOT November 20, 2019



Project Area Looking Southwest



Photo by NCDOT November 20, 2019





Project Area Looking Northeast



Project Site Looking Northeast



Photo by NCDOT November 20, 2019

Project Area Looking Southwest



Photo by NCDOT March 2, 2020



Project Site Looking Northeast

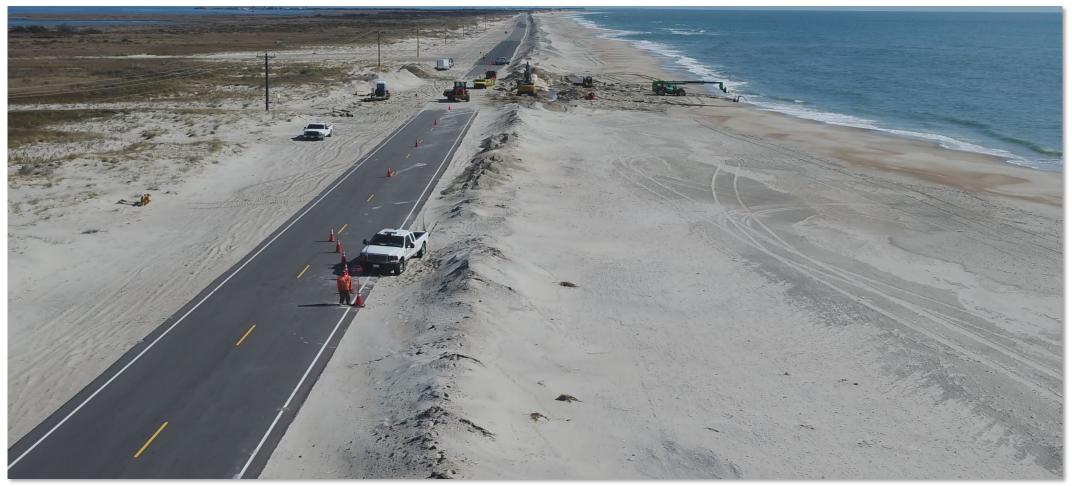
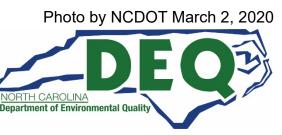


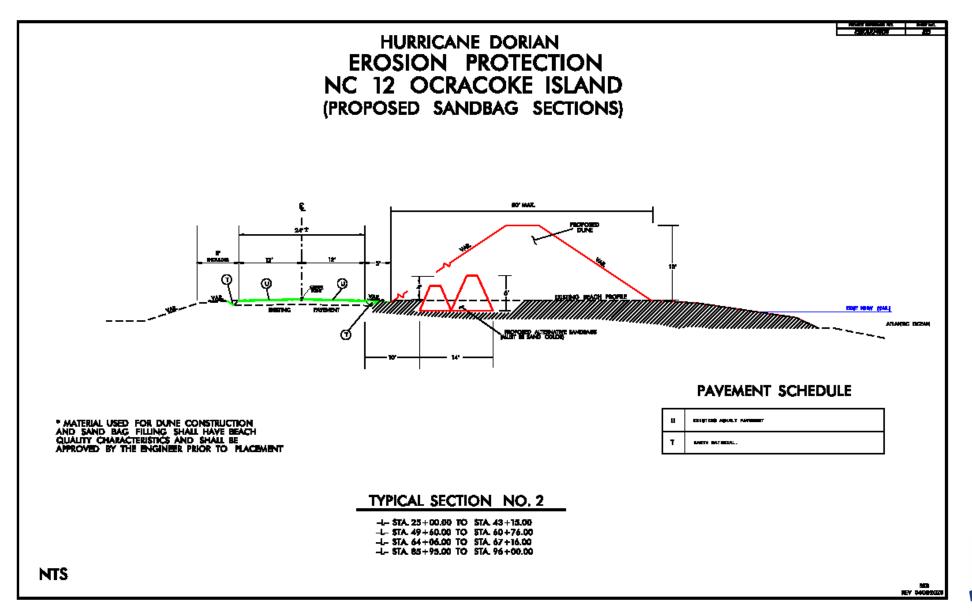
Photo by NCDOT March 2, 2020





Project Site





Petitioner's
Proposed
Project
Drawings



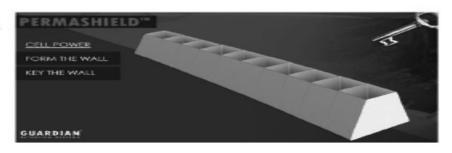


PermaShield Multi-Cellular Design

Patented System

- Sold in 50' L sections; vary in height from 2' to 6' Can be cut to size to fit in confined spaces
- Baffles sewn together forming 25 trapezoidal shaped compartments





Proposed Project Materials

Information Provided by NCDOT



15A NCAC 07J .0703 Procedures for Deciding Variance Petitions

- (f) To grant a variance, the Commission must affirmatively find each of the four factors listed in G.S. 113A-120.1(a).
 - (1) that unnecessary hardships would result from strict application of the development rules, standards, or orders issued by the Commission;
 - (2) that such hardships result from conditions peculiar to the petitioner's property such as location, size, or topography;
 - (3) that such hardships did not result from actions taken by the petitioner; and
 - (4) that the requested variance is consistent with the spirit, purpose and intent of the Commission's rules, standards or orders; will secure the public safety and welfare; and will preserve substantial justice.