



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

August 19, 2011

National Park Service
Cape Hatteras National Seashore
1401 National Park Drive
Manteo, NC 27954

ATTN: Mr. Thayer Brioli
Chief of Resource Management

SUBJECT: **Special Use Permit for Geotechnical Investigation**
Replacement of Bridge 11 over Oregon Inlet on NC 12 in Dare County,
North Carolina; TIP Project B-2500; Federal Aid Project No. BRS-2358(15);
WBS Element: 32635.1.4

Dear Sir,

The North Carolina Department of Transportation (NCDOT) is in the process of planning a limited number of subsurface investigations for the foundation design for the replacement of Bridge No. 11 over Oregon Inlet (TIP Project B-2500) in Dare County, North Carolina. A completed Special Use Permit Application and appropriate site drawings are attached for your review. As portions of the National Seashore will be utilized during this work, notification to your office is required.

The design firm, HDR Engineering, Inc. of the Carolinas, and their subconsultants will conduct the geotechnical investigation. Approximately 50 soil test borings will be performed in the corridor shown on the attached site map, with the majority being performed in Oregon Inlet and Pamlico Sound. The mapping shows 46 borings, but additional may need to be added during the field effort depending on site conditions. This is follow-up work to complement final design of the project. A previous Special Use Permit was granted to NCDOT on April 20, 2011 for preliminary geotechnical borings. These additional borings are required to finalize structure design and slight shifts in the alignment in an effort to minimize environmental impacts.

The borings in the inlet, and most of the borings in the sound, will be performed from a barge. The borings will consist of turning a 4-inch diameter steel casing into the sound bottom, creating minimal disturbance. Other drilling tools will be used to sample the sediments and advance the boring within the steel casing. The steel casing will be removed upon completing the boring.

Borings drilled on land, or in shallow water (up to approximately 3-4 feet deep) in the sound, will be performed with rubber tire drill rigs or low ground pressure tracked drill rigs,

depending on the boring location. The land borings will also be 4-inch diameter casings. Any disturbance from the borings should be limited to within a 2-foot radius of the boring location.

Parking/Logistics:

A lowboy/tractor and a water trailer would be parked overnight during barge operations in the Inlet. While crews are working/sleeping on the big barge, their trucks would remain day and night for the length of their shifts. The likely maximum overnight needs would include a tractor/lowboy and 2 trucks with water trailers, as well as 6-8 support trucks (please see the attached parking plan for approximate space requirements). Overnight stays would be limited to weekdays.

Moratorium:

As this area contains sensitive waters, an in-water moratorium exists from February 15 through October 31 in potential submerged aquatic vegetation (SAV) habitats (those areas of open water with depth less than 6 feet). During the moratorium, geotechnical investigation will occur in open water areas only where the equipment will float without hull contact with the bottom. Open water investigations that require low-pressure track vehicles or barge entry where flotation is not possible will occur outside of the moratorium (November 1- February 14).

Regulatory Approvals:

The NCDOT anticipates that these activities will also be authorized by Nationwide Permit No.6 by the U.S. Army Corps of Engineers. NCDOT will follow the conditions set by a Nationwide Permit No.6 and by NCDWQ General Water Quality Certification #3687. If you have any questions or would like additional information, please contact Michael Turchy at maturchy@ncdot.gov or (919) 707-6157. A copy of this application will also be posted at <http://www.doh.dot.state.nc.us/preconstruct/pe/>.

Sincerely,



for Gregory J. Thorpe, Ph.D.
Branch Manager
Project Development and Environmental Analysis Branch

cc:

Ms. Beth Smyre, P.E., PDEA
Mr. Rodger Rochelle, P.E., Alternative Delivery



Application for Special Use Permit

Please supply the information requested below. Attach additional sheets, if necessary, to provide required information. Allow AT LEAST 4 business days for processing (2 business days for First Amendment requests). You will be notified of the disposition of the application and the necessary steps to secure your final permit. Your permit may require the payment of site usage, cost recovery charges and proof of liability insurance naming the United States of America as also insured.

Applicant Name: NC Dept. of Transportation (Derick Racey will be the on-site contact – see below)	Organization Name: NC Dept. of Transportation
Social Security #: <i>not applicable</i>	Tax ID #: <i>not applicable</i>
Street/Address: 1020 Birch Ridge Road	Street/Address: 1020 Birch Ridge Road
City/State/Zip Code: Raleigh, NC 27699	City/State/Zip Code: Raleigh, NC 27699
Telephone #: (919) 707-6157	Telephone #: (919) 707-6157
Cell phone #: <i>not applicable</i>	Cell phone #: <i>not applicable</i>
Fax #: (919) 212-5785	Fax#: (919) 212-5785
E-mail: maturchy@ncdot.gov	E-mail: maturchy@ncdot.gov

Description of Proposed Activity (attach diagram, attach additional pages if necessary):

Please see attached cover letter and mapping

Requested Location: Please reference attached mapping of geotechnical investigation locations

Dates:

Event set up will begin: (date and time)	Event will begin: (date and time)	Event will end: (date and time)	Removal will be done: (date and time)
See cover letter			

Maximum Number of Participants 16-19 people (Please provide best estimate)

Maximum Number of Vehicles 11 vehicles and 4 boats/barges for marine access (attach parking plan)

Support Equipment (list all equipment; attach additional pages if necessary) Equipment includes:

ATV drill rig, Lowboy w/tractor, Big barge 110'X30', Small barge (12'x30'), Tug boat, 24' Support boat, fiberglass skiff, 6-8 support pickup trucks

Equipment on the big barge: ATV drill rig, vibratory hammer, crane, Port-a-john, welding equipment

List support personnel (contractors, etc. including addresses and telephones attach additional pages if necessary.

HDR Engineering, 3733 National Dr. Suite 207, Raleigh, NC 27612; Ph: 919-785-1118 (DESIGNERS)
 Froehling & Robertson (F&R), 310 Hubert St., Raleigh, NC 27603; Ph: 919-828-3441 (DRILLERS)
 S&ME, 3201 Spring Forest Rd., Raleigh, NC 27616; Ph: 919-872-2660 (DRILLERS)
 Waff Contracting, PO Box 237, Edenton, NC 27932; Ph: 252-482-7071 (BARGE/TUG/CRANE OPERATORS)
 Mid-Atlantic Drilling, PO Box 315, Carolina Beach, NC 28428; Ph: 910-458-5020 (DRILLERS)
 McKim & Creed, 1730 Varsity Dr. Suite 500, Raleigh, NC 27606; Ph: 919-233-8091 (SURVEYORS)

Individual in charge of event on site (include address, telephone and cell phone numbers):
 Derick Racey, Field Professional, Froehling & Robertson, Cell Phone: 919-630-4364 (address/phone above)

Is this an exercise of First Amendment Rights? Y N
 Are you familiar with/ have you visited the requested area? Y N
 Have you obtained a permit from the National Park Service in the past? Y N
 (If yes, provide a list of permit dates and locations on a separate page.)
 Do you plan to advertise or issue a press release before the event? Y N
 Will you distribute printed material? Y N
 Is there any reason to believe there will be attempts to disrupt, protest or prevent your event? (If yes, please explain on a separate page.) Y N
 Do you intend to solicit donations, engage in fundraising, or offer items for sale? (If yes, please explain on a separate page.) Y N

The applicant by his or her signature certifies that all the information given is complete and correct, and that no false or misleading information or false statements have been given.

Signature E. J. Luck for Gregory J. Thompson, PhD Date 8.19.11

Information provided will be used to determine whether a permit will be issued. Certain activity and event permits are subject to cost recovery and administrative charges which must be paid before the permit is issued. You will be advised as to those charges if your application is approved. Assessed charges must be paid in advance of receiving the permit in the form of a check or money order payable to National Park Service. Payments are non-refundable.

This completed application should be mailed to the Park address found at the top of this application.

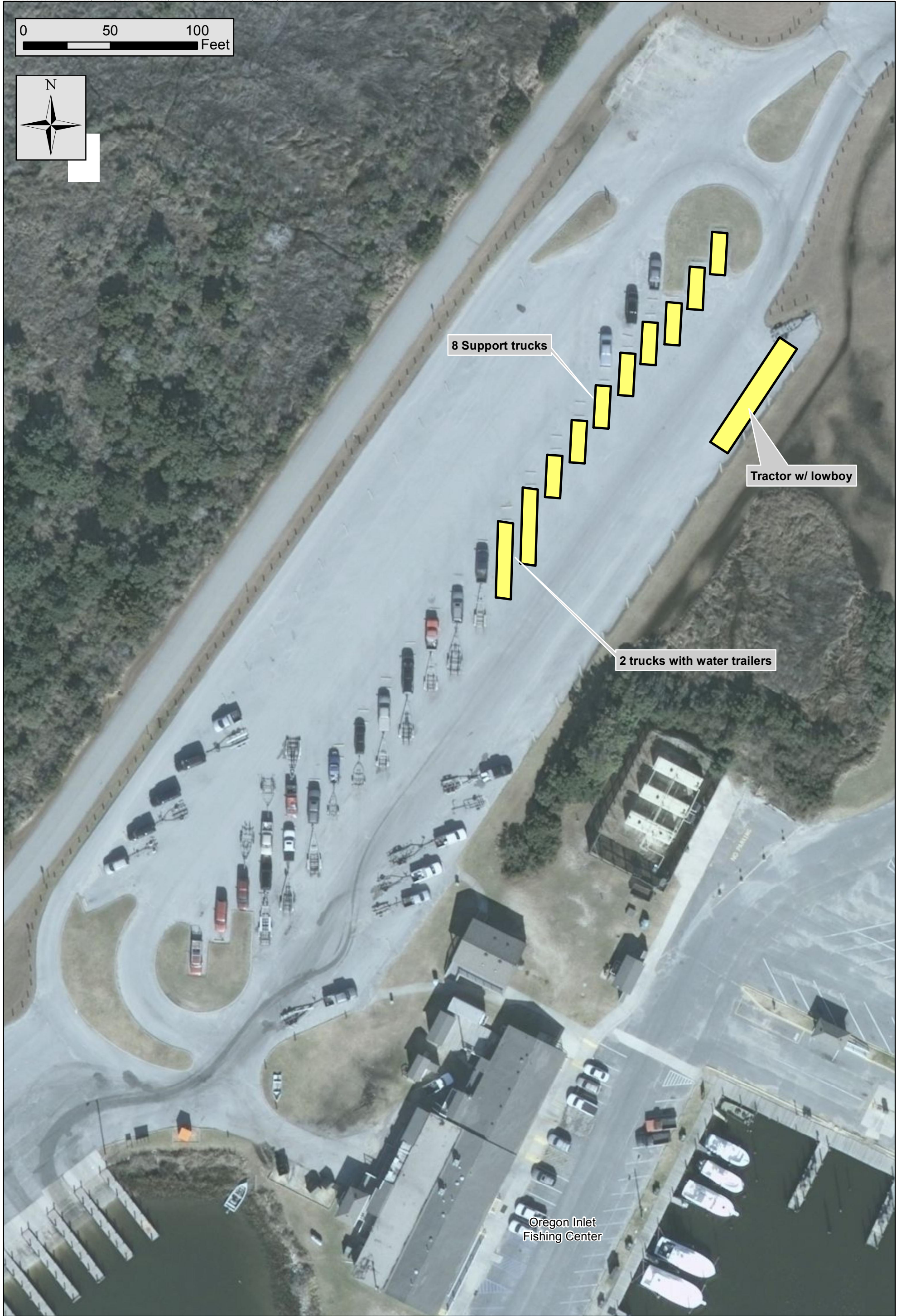
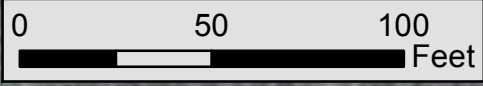
Note that this is an application only, and does not serve as permission to conduct any use of the park. If your request is approved, a permit containing applicable terms and conditions will be sent to the person designated on the application. The permit must be signed by the responsible person and returned to the park prior to the event.

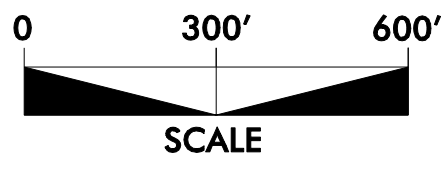
NOTICES

Privacy Act Statement: The Privacy Act of 1974 (5 U.S.C. 552a) provides that you be furnished with the following information in connection with information required by this application. This information is being collected to allow the park manager to make a value judgment on whether or not to allow the requested use. Applicants are required to provide their social security or taxpayer identification number or activities subject to collection of fees by the National Park Service (31 U.S.C. 7701) Information from the application may be transferred to appropriate Federal, State, local agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

Paperwork Reduction Act Statement): This information is being collected subject to the Paperwork Reduction Act (44 U.S.C. 3501) to allow the park manager to make a value judgment on whether or not to allow the requested use. All applicable parts of the form must be completed. A Federal agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Estimated Burden Statement: Public reporting burden for this form is estimated to average 30 minutes per response including the time it takes to read, gather and maintain data, review instructions and complete the form. Direct comments regarding this burden estimate or any aspects of this form to the National Park Service, Special Park Uses Program Manager, 1849 C Street NW (2460), Washington, D.C. 20240





GEOTECHNICAL BORING PLAN LAYOUT

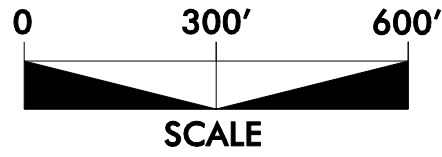


-  EXISTING BORING LOCATION
-  PROPOSED BORING LOCATION
-  PROPOSED BORING LOCATION IN SAV AREA

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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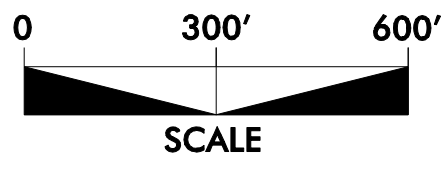


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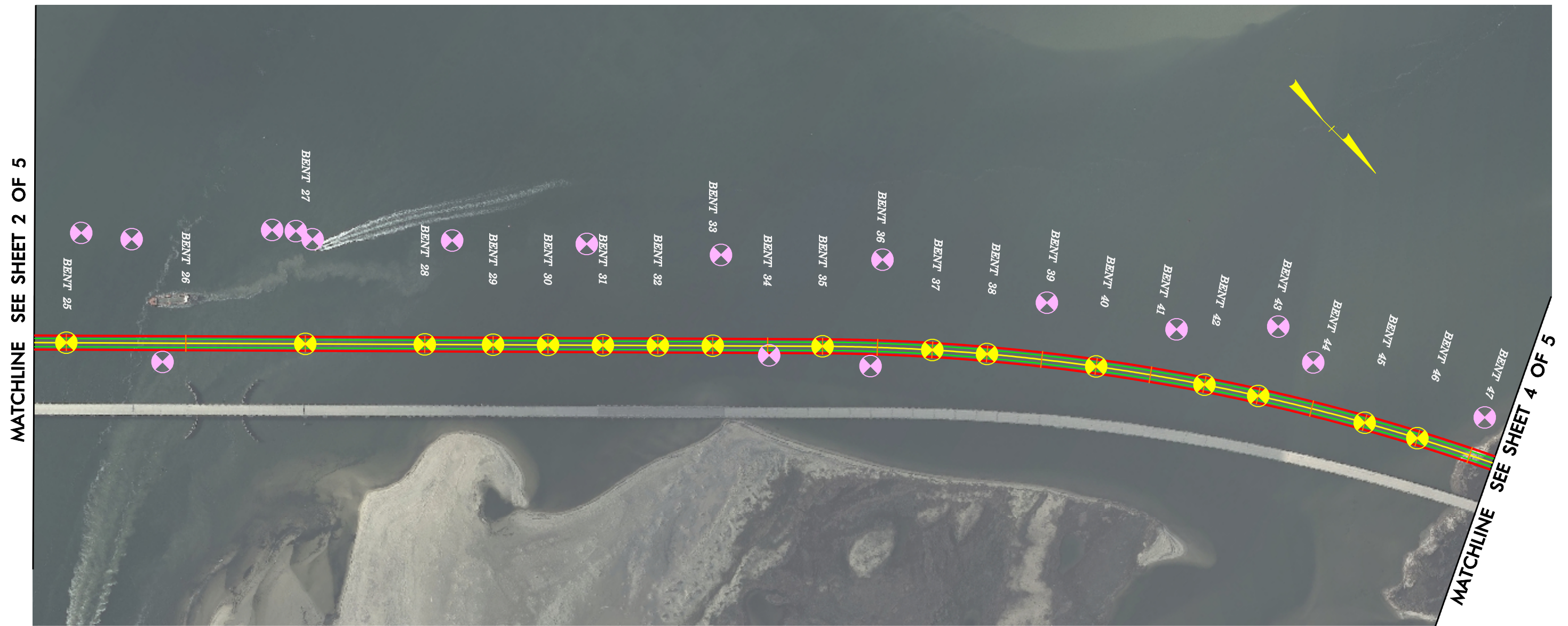
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GEOTECHNICAL BORING PLAN LAYOUT



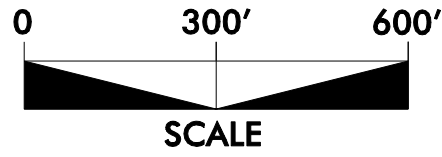
MATCHLINE SEE SHEET 2 OF 5

MATCHLINE SEE SHEET 4 OF 5

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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-  PROPOSED BORING LOCATION
-  PROPOSED BORING LOCATION IN SAV AREA

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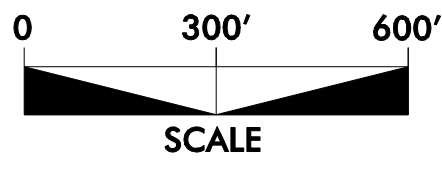
GEOTECHNICAL BORING PLAN LAYOUT



PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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-  PROPOSED BORING LOCATION
-  PROPOSED BORING LOCATION IN SAV AREA

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GEOTECHNICAL BORING PLAN LAYOUT



MATCHLINE SEE SHEET 4 OF 5

-  EXISTING BORING LOCATION
-  PROPOSED BORING LOCATION
-  PROPOSED BORING LOCATION IN SAV AREA

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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