

Project Submittal Interim Form



Updated December 4, 2023

*Please note: fields marked with a red asterisk * below are required. You will not be able to submit the form until all mandatory questions are answered.*

- Project Type: ***
- For the Record Only (Courtesy Copy)
 - New Project
 - Modification/New Project with Existing ID
 - More Information Response
 - Other Agency Comments
 - Pre-Application Submittal
 - Re-Issuance/Renewal Request
 - Stream or Buffer Appeal

Project Contact Information

Name: Jason Dilday
Who is submitting the information?

Email Address: * jldilday1@ncdot.gov

Project Information

Existing ID #: * 20211126
20170001 (no dashes)

Existing Version: * 2
1

Project Name: * NCDOT STIP No. HB-0001 - Alligator River Bridge Replacement on US 64

Is this a public transportation project? *

- Yes
- No

Is this a DOT project? *

- Yes
- No

Is the project located within a NC DCM Area of Environmental Concern (AEC)? *

- Yes
- No
- Unknown

Does this project involve maintenance dredging funded by the Shallow Draft Navigation Channel Dredging and Aquatic Weed Fund, electric generation projects located at an existing or former electric generating facility, or involve the distribution or transmission of energy or fuel, including natural gas, diesel, petroleum, or electricity? *

- Yes
- No

Is this project connected with ARPA funding? *

- Yes
- No

TIP#:

HB-0001

WBS#:

49475.1.1

(Applies to DOT projects only)

County (ies) *

Dare

Tyrrell

Please upload all files that need to be submitted.[Click the upload button or drag and drop files here to attach document](#)

HB-0001 Additional Mooring Piles and HWMs - 1.73MB
 Nautical Map.pdf

Only pdf or kmz files are accepted.

Describe the attachments or add comments:

This request is to modify the Section 404 Nationwide Permit Nos. 6 and 33 (SAW 2021-01091), dated January 26, 2024, and corresponding Section 401 General Certification Nos. 4242 and 4260 (non-reporting). The Nationwide Permit Nos. 6 and 33 covered the placement of 20 test piles and 19 mooring piles within the Alligator River, the latter of which being located near the western shoreline of the river, north of the existing and proposed bridges.

This modification proposes to add 19 additional mooring piles near the eastern shoreline of the river, north of the existing and proposed bridges. The attached figure shows the exact location of the mooring piles. This modification also proposes to add 3 heavy weather moorings on the east side of the river, north of the existing and proposed bridges. The moorings would be centered at the locations on the attached map.

* By checking the box and signing box below, I certify that:

- I, the project proponent, hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
- I, the project proponent, hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.
- I agree that submission of this online form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the online form.

Signature: *

Submittal Date:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. R. "JOEY" HOPKINS
SECRETARY

December 20, 2024

ATTN: N.C. Division of Coastal Management
Mr. Lee Cannady
943 Washington Square Mall
Washington, NC 27889

SUBJECT: **Request for Permit Modification of CAMA Major Development Permit** for the Proposed Replacement of the Lindsay C. Warren Bridge (Tyrrell County Bridge No. 7) on U.S. 64 over the Alligator River/Atlantic Intracoastal Waterway in Tyrrell and Dare Counties, North Carolina. STIP Project No. HB-0001; Federal Aid Project No. NHPB-0001.

REFERENCE: CAMA Major Development Permit, Permit No. 136-23. Issued November 30, 2023, Revised January 19, 2024.

Dear Sir:

The North Carolina Department of Transportation (NCDOT) proposes to replace the Lindsay C. Warren Bridge (Tyrrell County Bridge No. 7) on U.S. 64 over the Alligator River portion of the Atlantic Intracoastal Waterway in Tyrrell and Dare Counties, North Carolina (at Atlantic Intracoastal Waterway Mile 84.2). The project will replace the existing 2.83-mile-long swing-span drawbridge with a modern 3.32-mile, two-lane, fixed-span, high-rise bridge north of the existing alignment. The new structure will be comprised of either driven piles or drilled piers, Florida I-beam concrete girders, concrete deck panels, and a drivable wearing surface will provide a vertical navigable channel clearance of 65 feet and a navigational channel horizontal clearance of 140 feet.

An application was submitted for the project on June 27, 2023 and a CAMA Major Development Permit was subsequently issued on November 30, 2023. A modification for the inclusion of exploratory test piles and temporary mooring piles was requested on January 5, 2024 and a revised permit was issued on January 19, 2024. Since that time, additional activities have been proposed as part of the project. These additions include:

- Use of additional temporary mooring piles for securing barges in place for bridge construction.
- Use of temporary heavy weather moorings.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH, NC 27699-1598

Website: www.ncdot.gov

LOCATION:
1000 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

The purpose of this letter is to request modification of the existing CAMA Major Development Permit to include these activities. In addition to this letter, mapping of mooring and anchorage locations, mooring details and profile are also included.

Mooring Piles

The use of temporary mooring piles is proposed for securing barges in place for bridge construction. Thirty-inch steel pipe piles will be installed approximately 60 feet apart, from coordinates 35.90350, -75.97433 to 35.90112, -75.97655, total 19 mooring piles. The pile installation will span approximately 1,080 linear feet. Please see attached mapping showing the proposed mooring pile locations. Mooring pile detail is the same as what was provided in the previous modification request.

The mooring location has sufficient water depths for barges and tugboats and is outside any navigation channels that could conflict with boat traffic. Once the project is complete, these mooring piles will be removed.

Heavy Weather Mooring Anchorage

Heavy weather mooring anchorages are proposed for securing barges in place for bridge construction in the event of severe weather. These moorings, which consist of approximately 30,000-pound anchors, attached to a mooring chain, line and buoy, are proposed to be north of the newly proposed mooring piles. The coordinates for these heavy weather mooring piles are: 35.91121, -75.97667; 35.91365, -75.96967; and 35.90610, -75.97071. The radius of each of the heavy weather moorings will be 500 feet.

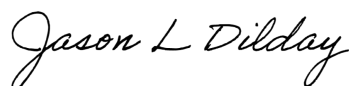
Regulatory Approvals

CAMA: NCDOT requests a modification to the CAMA Major Development Permit, Permit No. 136-23, to include the above-described activities. Authorization to debit the \$475.00 Permit Application Fee from WBS Element 49475.1.1 is hereby given.

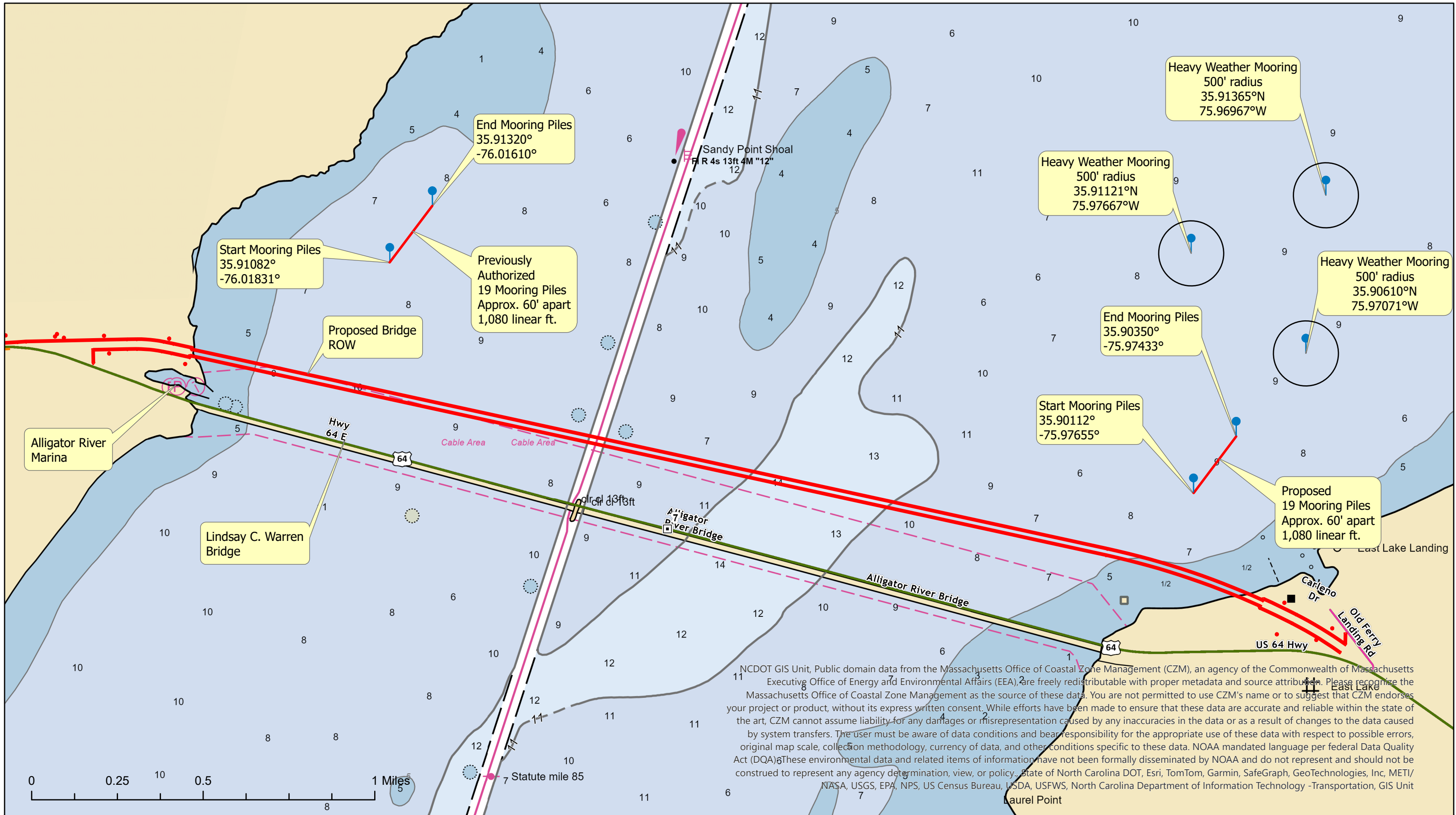
A copy of this permit modification request and its distribution list will be posted on the NCDOT website at: <https://connect.ncdot.gov/resources/Environmental>

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Jason Dilday at jldilday1@ncdot.gov or (919) 707-6111.

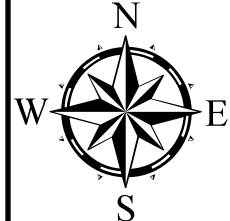
Sincerely,



Jason Dilday
NCDOT ECAP Eastern Regional Team Lead



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HB-0001 Alligator River Bridge Project Mooring Piles and Heavy Weather Moorings Nautical Map

Date: 12/13/2024
 Imagery: NOAA Nautical Chart (ENC)
 Drawn By: Paul Williams
 Scale: 1:20,000

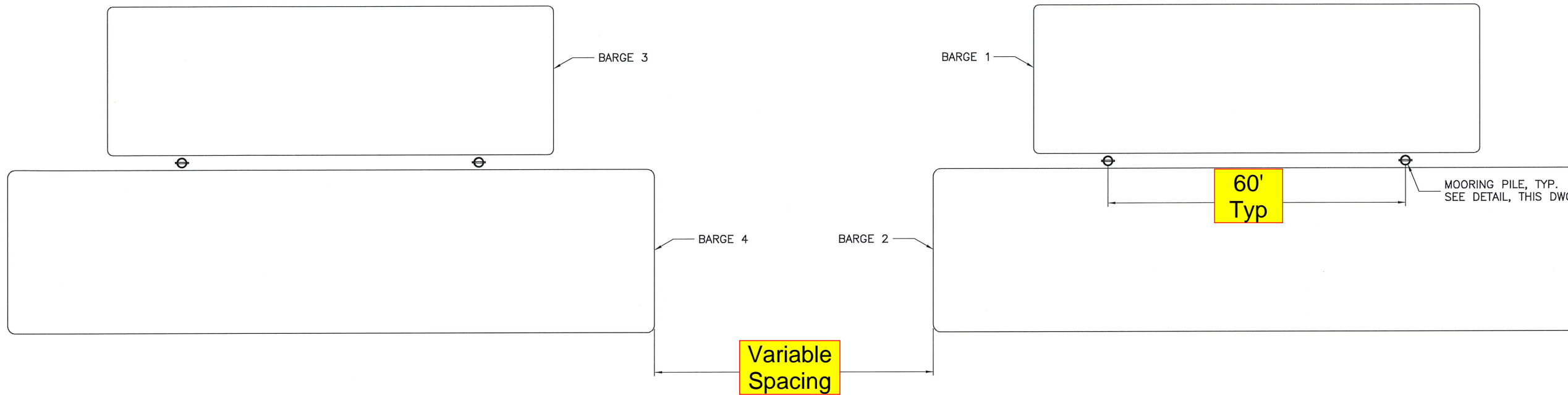
12/19/2024

NOTES:

1.) THE MOORING IS DESIGNED FOR MAX 8 TONS HORIZONTAL PULL AT TOP ON EACH PILE.

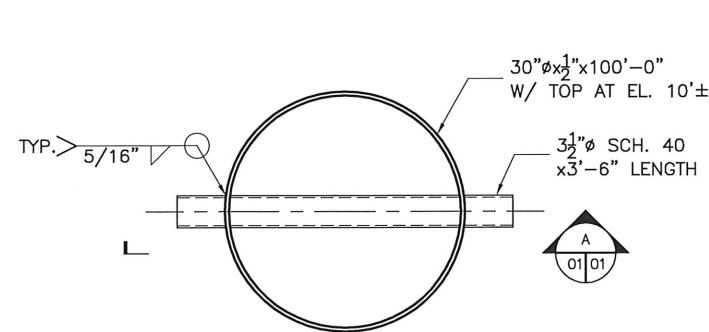
SPECIFICATIONS:

- MOORING PILE: GRADE 42 KSI MIN.
- WELDING ELECTRODES: E70XX PER AWS D1.1

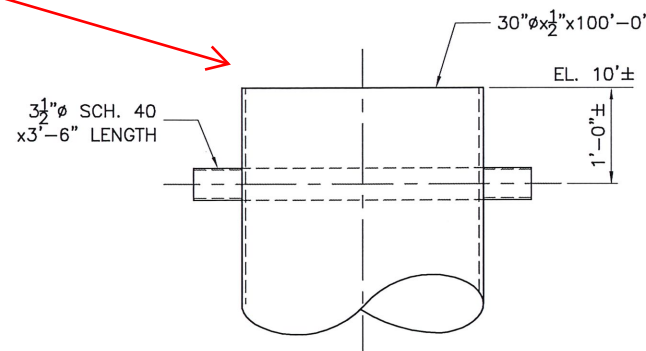


TEMPORARY MOORING - PLAN
N.T.S.

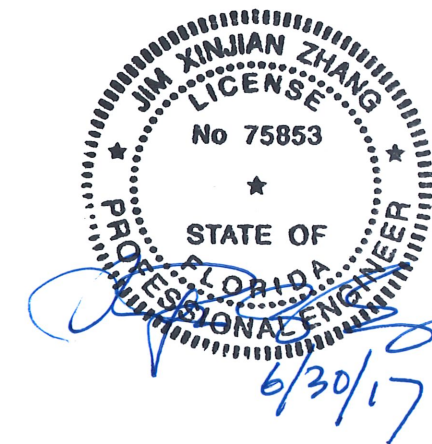
Top of Pile at least 5' to 6' above water



MOORING PILE DETAIL
DWG: GA-01



SECTION A-A
DWG: GA-01



APPROVED FOR CONSTRUCTION
BY SKANSKA SE ENGINEERING DEPT

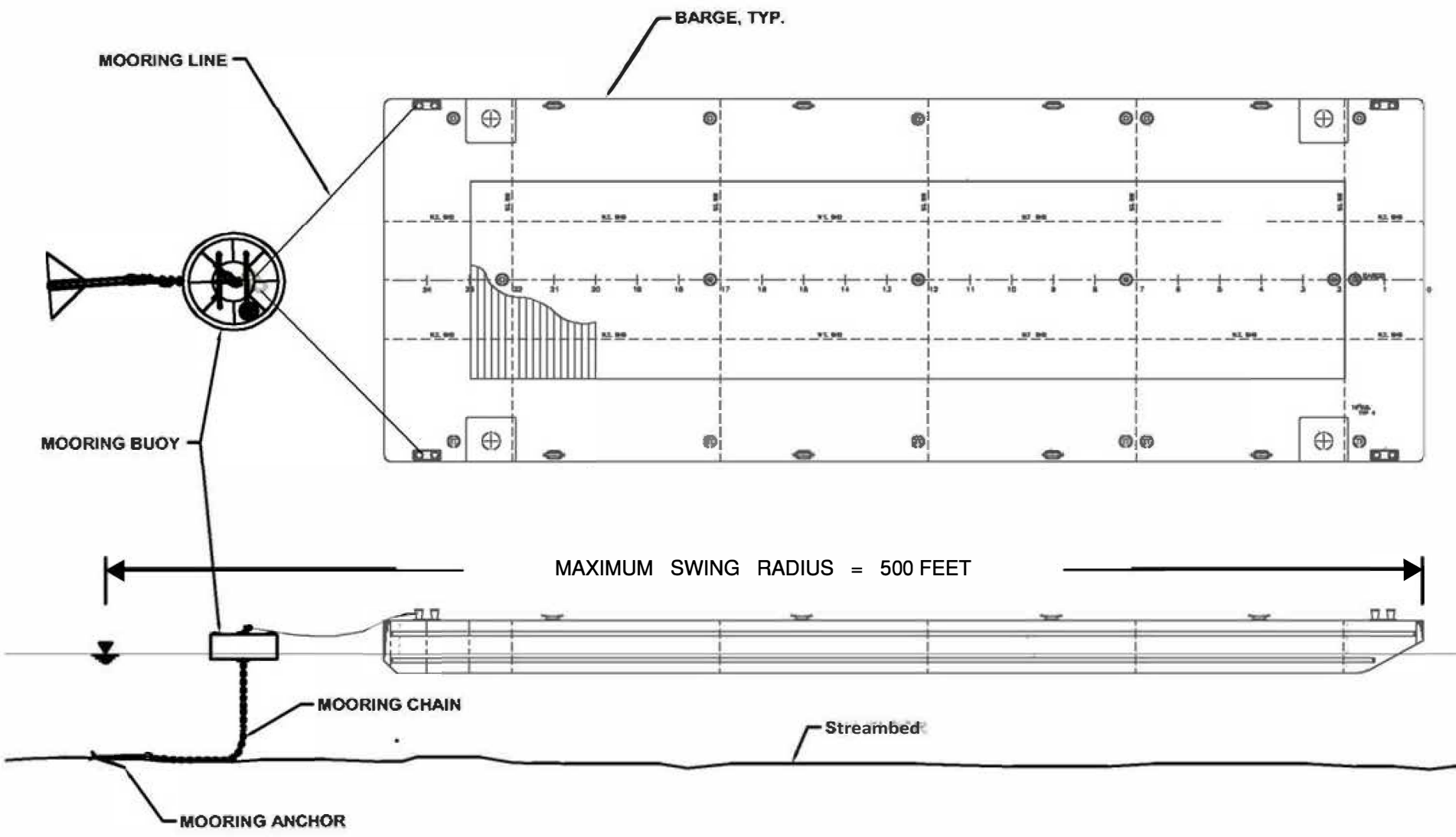
| REV. | DATE | DESIGN | DRAWN | REMARKS |
|------|----------|--------|-------|------------------|
| 0 | 06/30/17 | JXZ | DER | FOR CONSTRUCTION |
| A | 09/12/16 | JXZ | DER | FOR REVIEW |

FLORIDA DEPARTMENT OF TRANSPORTATION
 ESCAMBA COUNTY, FLORIDA
 SR 30 (US 98) PENSACOLA BAY BRIDGE REPLACEMENT
 PROJECT #40933415201 & 40933415202
 GENERAL ARRANGEMENT
 TEMPORARY MOORING PLAN

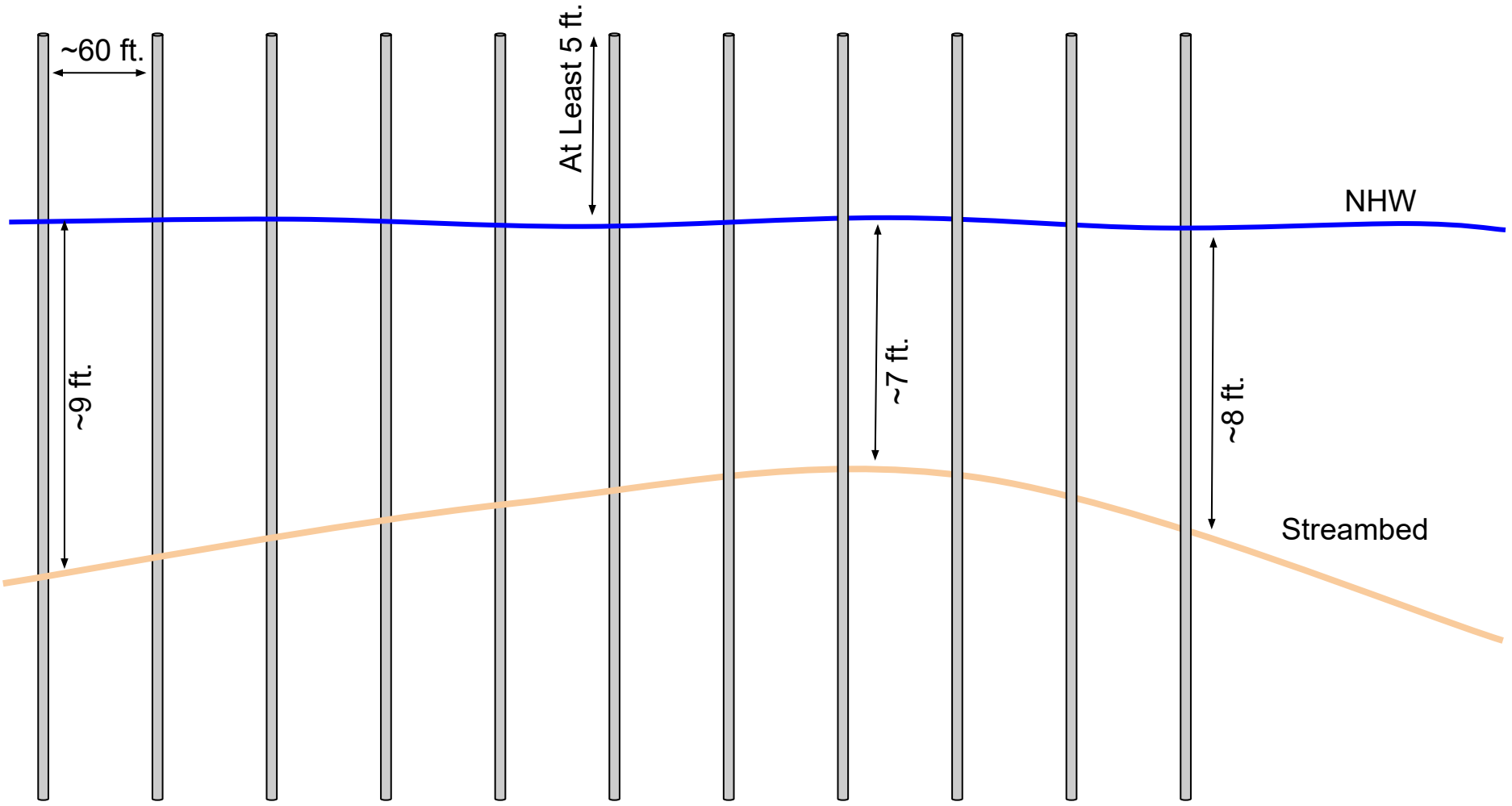
Skanska USA
 Civil Southeast Engineering Department
 295 Bendix Rd. - Virginia Beach, VA 23452
 Phone: 757-420-4140

| SCALE | JOB | DRAWING NUMBER | Approved |
|----------|---------|----------------|----------|
| AS NOTED | 04-2299 | GA-01 | JBH |

TYPICAL MOORING BUOY CONFIGURATION



1,080-foot long Mooring Pile Alignment
(Nineteen 30-inch steel pipe piles)



southwest
end of line

*(piles driven to
secure depth - will
vary based on
water depth)*

northeast
end of line

Not to Scale
Not All Piles Shown