

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
Seventh Coast Guard District

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16591/271
WOR001000
October 6, 2014

PUBLIC NOTICE (13-14)

All interested parties are notified that the Commander, Seventh Coast Guard District has received an application from the South Carolina Department of Transportation requesting approval of the location and plans for a proposed bridge replacement over a navigable waterway of the United States.

WATERWAY AND LOCATION: Wando River, mile 10, (approximately 10 miles upstream of the confluence of the Wando and Cooper Rivers) approximate coordinates 32° 55' 26.8" N, 79° 49' 32.5" W. The proposed fixed bridge will replace a swing bridge on SC 41 over the Wando River located in Charleston/Berkeley Counties, SC.

CHARACTER OF WORK: The project will replace an existing moveable span swing bridge with a fixed span bridge providing 55 feet of vertical clearance above the Wando River. The proposed structure will be approximately 2,000 feet in length and approximately 68 feet in width.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing

Horizontal: 62 ft between face of fenders

Vertical:

6 ft above Mean High Water (swing-span closed)
Unlimited vertical clearance (swing-span open)

Proposed

Horizontal: 90 ft between face of fenders

Vertical:

55ft above Mean High Water (fixed)

ENVIRONMENTAL CONSIDERATIONS:

The Federal Highway Administration, the lead federal agency, approved an Environmental Assessment (EA) 4 May 2010, signed a Finding of No Significant Impact 28 February 2013, and approved a reevaluation of the EA 8 July 2014, for the purposes of the National Environmental Policy Act. The documents are available for review at the above address, Monday through Friday, 7:30 a.m. to 4:00 p.m. The bridge is located in the floodplain. The 100-year flood elevation is 10 ft, while elevation of the low chord of the bridge is approximately 12.4 ft at the abutments; elevations are reference to NAVD 88 datum. Approximately 5000 cubic yards of fill will be placed within jurisdictional waters. The project will result in permanent impacts to approximately 1.3 acres of wetlands. A joint US Army Corps of Engineers (USACE) and South Carolina Department of Health and Environmental Control (SCDHEC) permit application was submitted in August 2014, and it is anticipated that these impacts will be authorized under a SCDOT General Permit with the USACE. These impacts will be mitigated through an approved commercial mitigation bank and an approved SCDOT mitigation bank per the USACE

requirements. Water Quality Certification (WQC) pursuant to public law 92-500, 33 USC Section 1341, as amended was applied for via a joint permit application to the USACE/SCDHEC; dated of application 12 August 2014. No parklands, wildlife refuges will be affected by the project. The existing Wando River Swing Bridge on SC 41 was found to be eligible for listing as a historic property; its replacement will be an adverse effect to the resource. A Memorandum of Agreement (MOA) to mitigate the adverse impact to the bridge was executed between FHWA, SCDOT, and SHPO on September 27, 2010. The proposed project will result in the displacement of one commercial business, a gas station/convenience store located immediately adjacent to the existing roadway and bridge. The relocation program will be conducted in accordance with the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (Public Law 91-646, as amended by 100-17; 49 CFR Part 24). Temporary impacts to navigation during construction are anticipated. Navigational impacts include crane barges working in and around the navigation channel and possible intermittent reoccurring blockage of the navigation channel. Mariners will be notified of the details of in-water construction activities which will impact the navigation channel at and around the bridge site. Details of navigational impacts include dates and durations of full and partial channel blockage will be disseminated to mariners via the Coast Guard's Local Notice to Mariners (LNM).

SOLICITATION OF COMMENTS:

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances and other navigational safety issues, including but not limited to impacts due to construction activities.

Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impact on minority and/or low income population, if any, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Ave., Ste 432, Miami, Florida 33131-3028, for a 30-day period from the date of this public notice. Our project manager for this application is Mr. Randall Overton. He can be contacted by telephone at (305) 415-6736, by mail at the above address, or e-mail at randall.d.overton@uscg.mil. Comments received will be made part of the case record.

Map of location and plans attached.

//s//

"This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version."

Shaded Area Indicates
County Locations in SC



VICINITY MAP

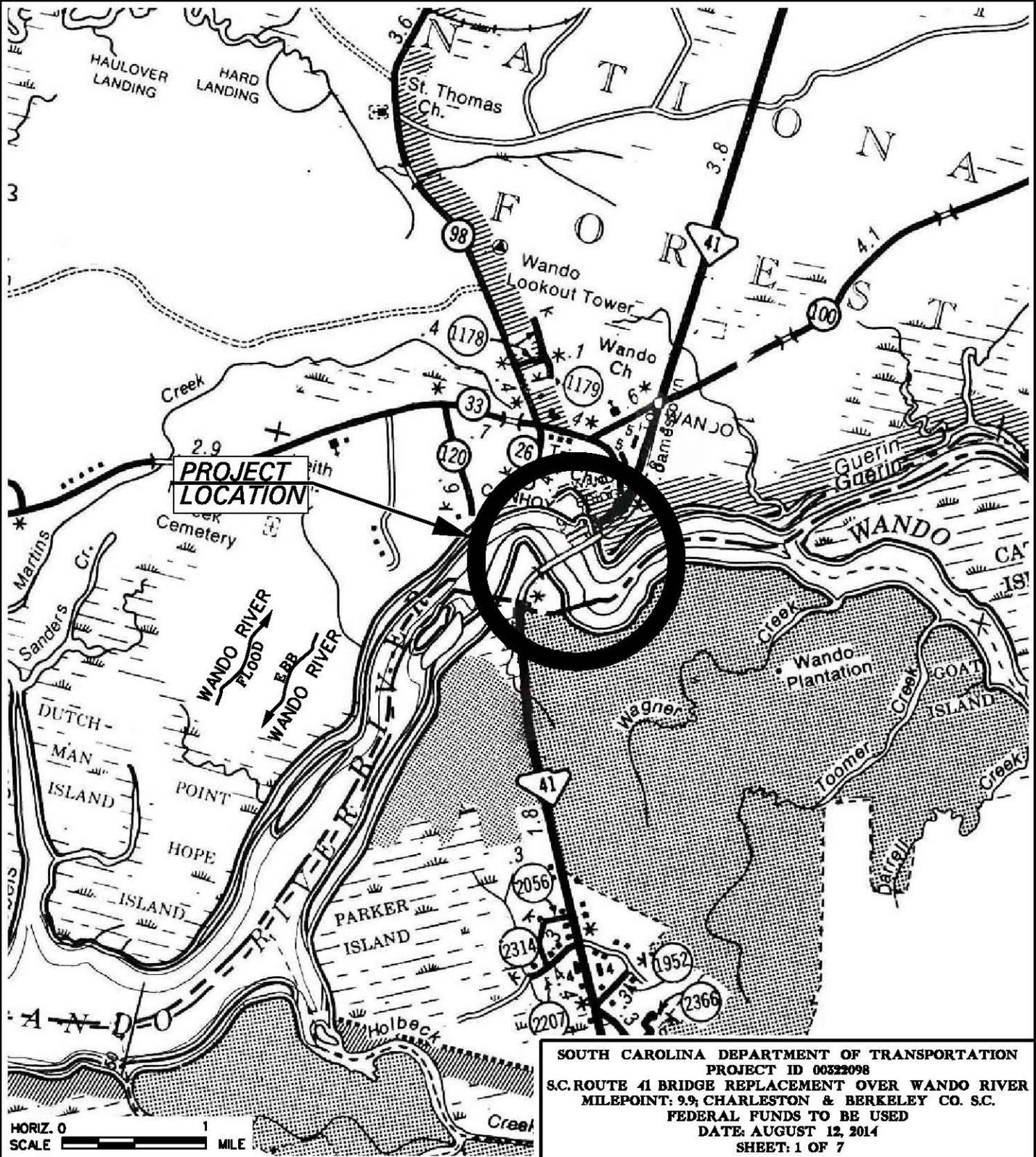
Charleston & Berkeley County, S.C.



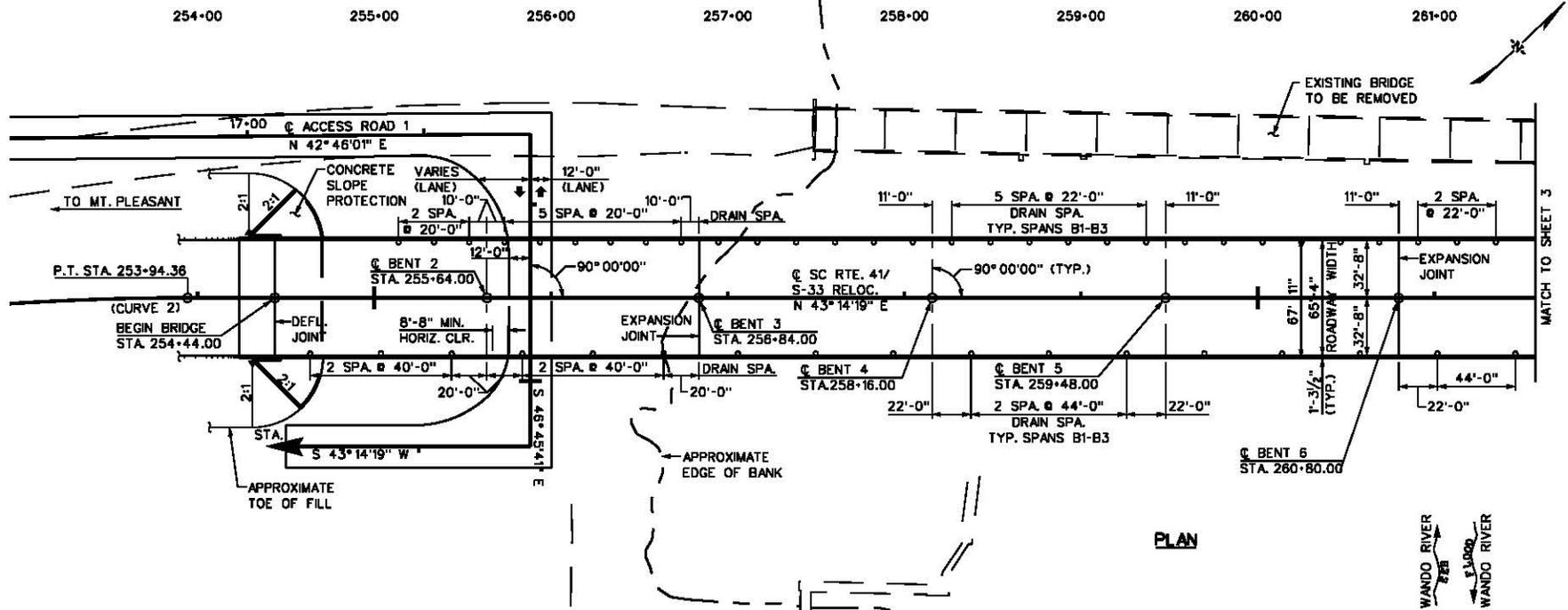
Approximate Location of Project is:

Longitude 82° 55' 05"

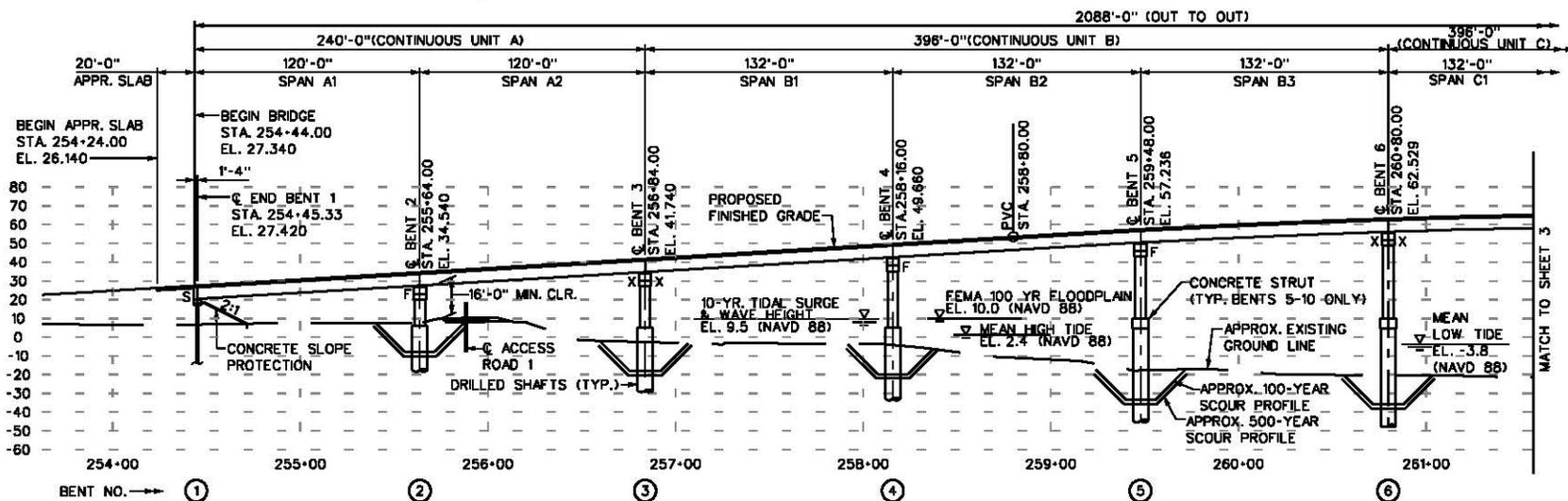
Latitude 33° 49' 45"



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
PROJECT ID 00322098
S.C. ROUTE 41 BRIDGE REPLACEMENT OVER WANDO RIVER
MILEPOINT: 9.9; CHARLESTON & BERKELEY CO. S.C.
FEDERAL FUNDS TO BE USED
DATE: AUGUST 12, 2014
SHEET: 1 OF 7



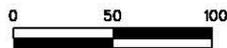
PLAN



SECTION ALONG & SURVEY

HYDROLOGY DATA
 D.A. - N/A (TIDAL)
 $Q_{100} = 125,124$ CFS
 AREA FURNISHED UNDER
 EL. 9.07 = 47,192 SQ. FT.
 VEL. = 2.65 FPS
 $Q_{500} = 185,178$ CFS
 AREA FURNISHED UNDER
 EL. 11.49 = 54,364 SQ. FT.
 VEL. = 3.41 FPS

OVERTOPPING FLOOD
 $Q > 185,178$ CFS
 PROBABILITY < 0.2%



SCALE: 1" = 100'

S - DENOTES SEMI-INTEGRAL
 F - DENOTES FIXED
 X - DENOTES EXPANSION

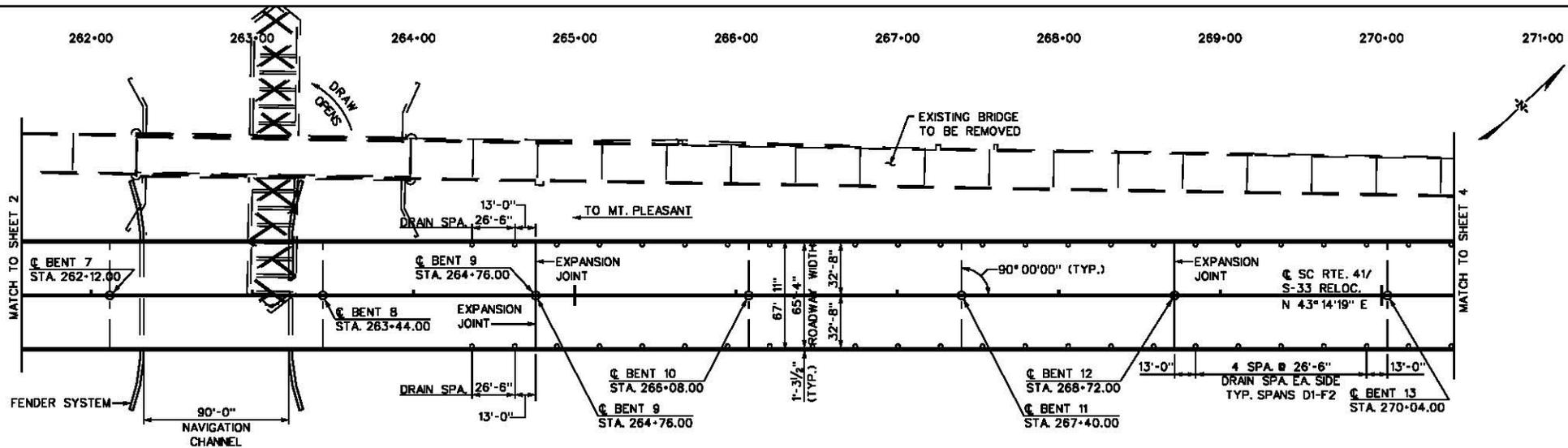


301 Huger St, Columbia SC, 29201

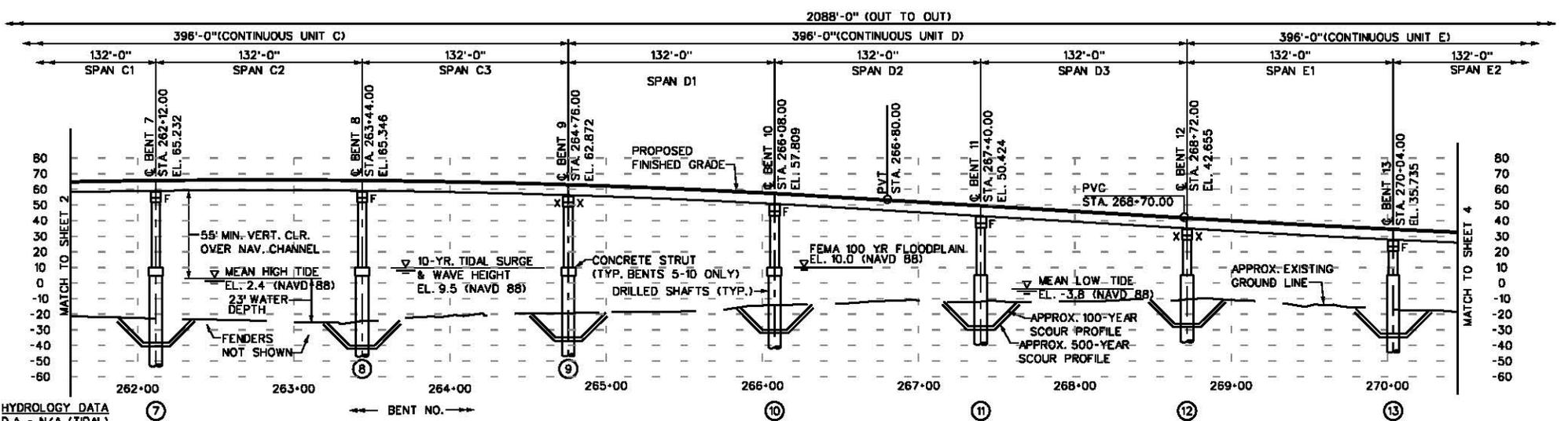
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 PROJECT ID 0032098

S.C. Route 41 Bridge Replacement Over Wando River
 Milepoint 9.9; Charleston & Berkeley Counties, S.C.

Date: August 12, 2014



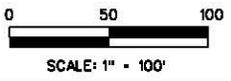
PLAN



SECTION ALONG C SURVEY

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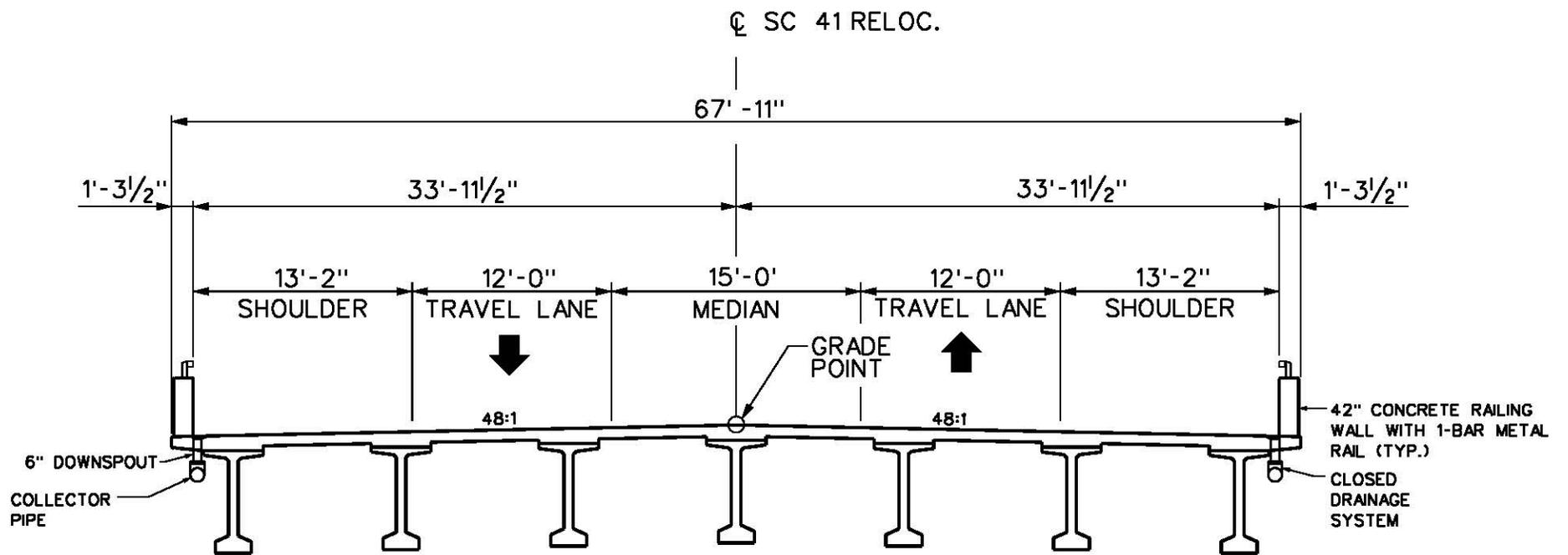
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 $Q > 185,178$ CFS
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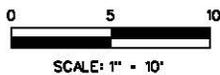
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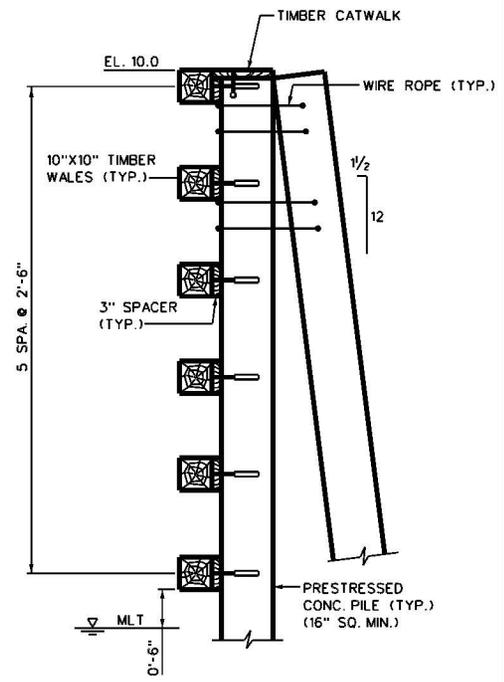
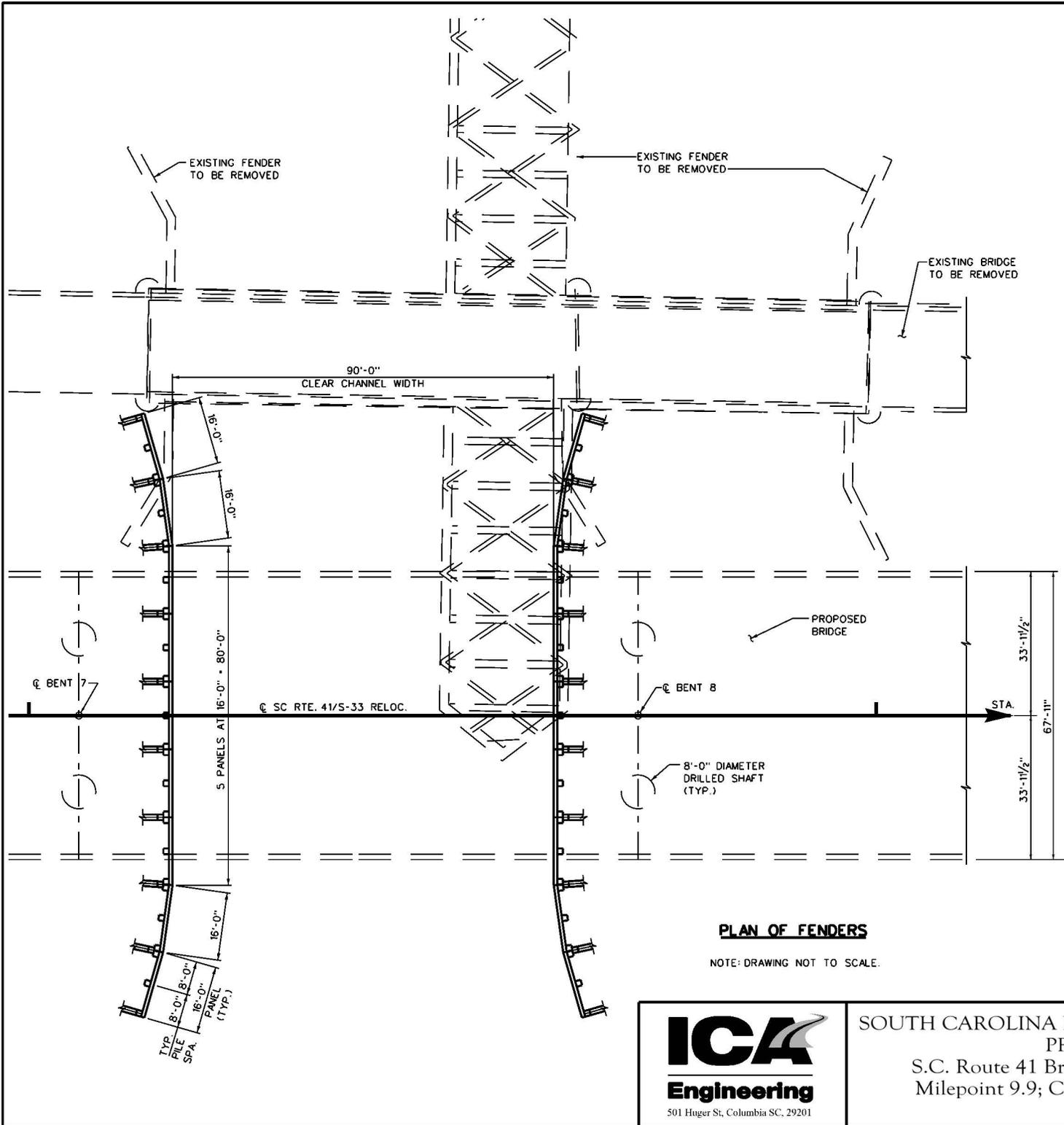
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 S.C. Route 41 Bridge Replacement Over Wando River
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PROPOSED BRIDGE SECTION



9/29/2014 L:\1315001 - SC 41 over Wando River\Environmental\Permit Dwg\Misc\Bridge\Br_sht_06_FENDER.dgn



SECTION THRU FENDER

ALL BOLTS, WASHERS, SCREW ANCHORS, WIRE, AND CABLE CLIPS SHALL BE STAINLESS STEEL.

ALL TIMBER SHALL BE GIVEN CCA-2.25 LBS/CF OF TREATMENT.

NOTE: ALL SIZES ARE PRELIMINARY AND SUBJECT TO CHANGE.

PLAN OF FENDERS

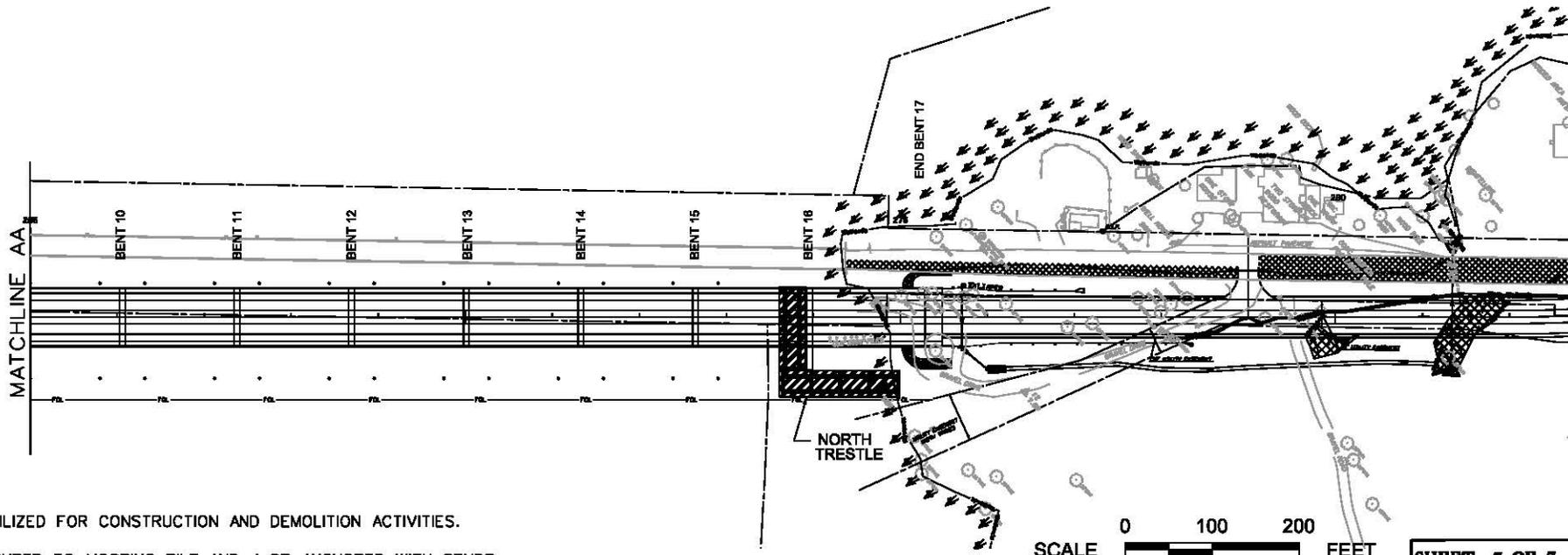
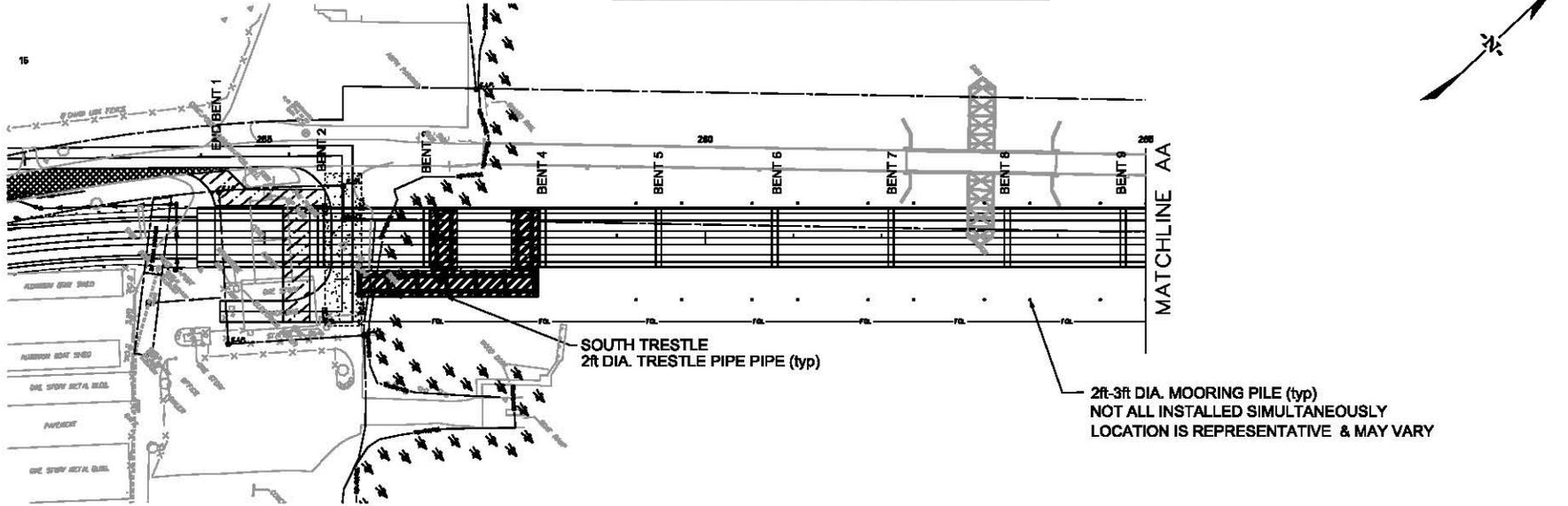
NOTE: DRAWING NOT TO SCALE.

SHEET: 6 OF 7



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
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 S.C. Route 41 Bridge Replacement Over Wando River
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CONSTRUCTION ACCESS PLAN



NOTES:

1. BARGES TO BE MOBILIZED FOR CONSTRUCTION AND DEMOLITION ACTIVITIES.
2. BARGES TO BE SECURED TO MOORING PILE AND / OR ANCHORED WITH SPUDS.
3. BARGES TO OCCUPY LESS THAN 50% OF THE RIVER AT ONE TIME AND WILL BE LOCATED TO MAINTAIN NAVIGATION.
4. ELEVATED TRESTLES WILL BE ISOLATED TO RIVER BANKS. UTILIZED FOR ACCESS TO BARGES.



301 Euger St, Columbia SC, 29201

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SHEET: 7 OF 7