



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT
P.O. BOX 2288
MOBILE, AL 36628-0001

CESAM RD-A
PUBLIC NOTICE NO. SAM-2024-00530-LHL

August 12, 2024

JOINT PUBLIC NOTICE
U.S. ARMY CORPS OF ENGINEERS AND
STATE OF ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

REQUEST TO REPLACE THE RAILROAD TRESTLE AND BRIDGE AND PLACE
FILL IN WETLANDS FOR A ROAD ALONG THE RAILROAD RIGHT-OF-WAY,
PERDIDO, BALDWIN COUNTY, ALABAMA

TO WHOM IT MAY CONCERN: This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344). Please communicate this information to interested parties.

APPLICANT: CSX Transportation, Inc.
Attention: Mr. Matt Adkins
1590 Marietta Boulevard NW
Atlanta, Georgia 30318

AGENT: HDR Engineering, Inc.
Attention: Ms. Leandra Cleveland
999 Carver Road, Suite 210
Blue Ash, Ohio 45242

LOCATION: The project is located on an unnamed tributary to Bushy Creek, at MP 632.20; within Section 2, Township 1 South, Range 4 East; at Latitude 30.984553° North, Longitude -87.651045° West; Perdido, Baldwin County, Alabama.

PROJECT PURPOSE: The basic project purpose is to replace the ballasted deck timber trestle at MP 632.20 since the bridge is currently distressed with multiple superstructure and substructure deficiencies causing it to be noncompliant with current safety standards. Likewise, the purpose of converting the current temporary access roads into permanent roads is to provide continual long-term access to the bridge since the location of the bridge is remote.

PROPOSED WORK: The applicant has proposed to replace the 228-foot-long ballasted deck timber trestle with rolled steel beam spans with precast concrete deck on two 24-inch diameter pipe piles per bent with conical tips. New concrete bridge abutments will be installed at either end of the bridge and shored up with riprap and bedding stone. Steel sheet piling will be installed behind the northern abutment along the existing alignment and backfilled with cellular concrete and ballast.

A gravel construction access road will be permanently installed within the right-of-way (ROW) along the east side of the existing tracks from Dyas Road to MP 632.20. Temporary bridges will be installed over each stream crossing, Each temporary bridge will be made of rolled steel beam superstructure with 3 driven H-piles per bend and overlaid with timber mats. The temporary bridge timber and matting will be elevated above wetland and waterbody surfaces.

AVOIDANCE AND MINIMIZATION: Applicant proposes to minimize impacts by constructing the permanent access road within the existing railroad ROW and within the previously permitted temporary road access locations. Furthermore, the bridge replacement will occur within the same footprint as the existing bridge. Likewise, proper use of Best Management Practices (BMPs) will be maintained to minimize sedimentation into the unnamed tributary of Bushy Creek and wetland areas.

MITIGATION: The applicant has proposed to compensate for permanent impacts totaling 3.89 acres of wetlands through the purchase of credits from an approved mitigation bank serving the watershed.

WATER QUALITY / COASTAL ZONE MANAGEMENT: The applicant will applied for certification from the State of Alabama in accordance with Section 401(a)(1) of the Clean Water Act and for Coastal Zone Management (CZM) consistency concurrence in accordance with the Alabama Coastal Area Management Program. Upon completion of the required advertising and public comment review, a determination relative to Water Quality Certification and CZM consistency will be made by the Alabama Department of Environmental Management (ADEM).

HISTORIC PROPERTIES: In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR Part 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR Part 325, the Mobile District has determined the permit area consists of the approximate 3.89 acres of wetlands to be filled, as well as the adjacent uplands and those areas immediately adjacent to the project site that would be subject to temporary construction disturbance. The National Register of Historic Places will be consulted for properties listed in or eligible for the National Register, which are known to exist and would be affected by the proposed work. The Mobile District is seeking comment from the State Historic Preservation Officer regarding the existence, or the potential for existence, of significant cultural and historic properties within the permit area. The permit area described above is currently under review by District Archaeologists to provide a determination on the potential for existence of significant cultural and historic properties.

ESSENTIAL FISH HABITAT: This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The proposed project would impact approximately 135 linear feet (0.07 acre) of water bottoms associated with Bushy Creek. Our initial determination is

that the proposed action would not have an adverse impact on EFH or federally managed fisheries due to the minor area of impact and proposed mitigation activities. Our final determination is subject to review by and coordination with the National Marine Fisheries Service and/or the U.S. Department of Interior, and the U.S. Fish and Wildlife Service (USFWS).

ENDANGERED SPECIES: Preliminary review of this application and the U.S. Department of the Interior's List of Endangered and Threatened Wildlife and Plants indicate the proposed activity will have no effect on the following listed endangered or threatened species with the potential to exist within the watershed of the permit area: eastern indigo snake (T), northern long eared bat (E), Tricolored Bat (proposed endangered), alligator snapping turtle (proposed threatened), and American chaffseed (E). There is no designated critical habitat within the project action area. This determination is being coordinated with the USFWS via this Public Notice.

COMMENTS: This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the USACE can be based. The Mobile District is soliciting comments from the public, federal, state and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the USACE to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed below. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Any person may request, in writing, within the comment period specified in this notice, any additional information and that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and in general, the needs and welfare of the people. Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will also include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency. Correspondence concerning this notice

should refer to Public Notice Number **SAM-2024-00530-LHL**, and should be directed to the project manager, Ms. Leslie Lott by e-mail at leslie.h.lott@usace.army.mil, or to the USACE, Mobile District, Regulatory Division, Attention: Ms. Leslie Hiles Lott, Post Office Box 2288, Mobile, Alabama 36628-0001. Copies of all comments should be furnished to the Alabama Department of Environmental Management at coastal@adem.alabama.gov, or sent to: Alabama Department of Environmental Management, Mobile Branch / Coastal Section, 3664 Dauphin Street, Suite B, Mobile, Alabama 36608. **All comments should be received no later than 30 days from the date of this Public Notice.**

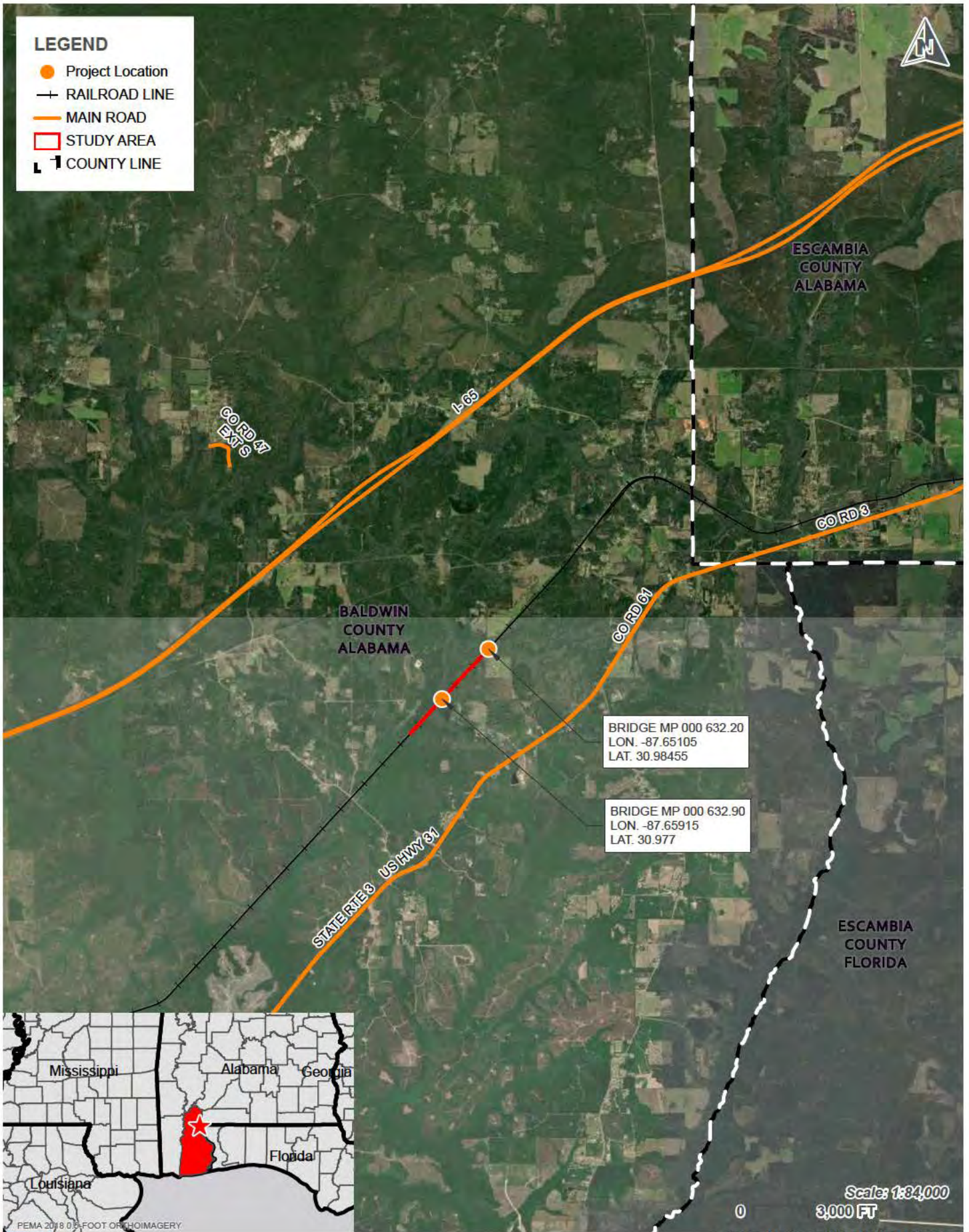
For additional information about our Regulatory Program, please visit our web site at www.sam.usace.army.mil/Missions/Regulatory.aspx.

MOBILE DISTRICT
U.S. Army Corps of Engineers

Attachments

LEGEND

- Project Location
- RAILROAD LINE
- MAIN ROAD
- ▭ STUDY AREA
- └ COUNTY LINE



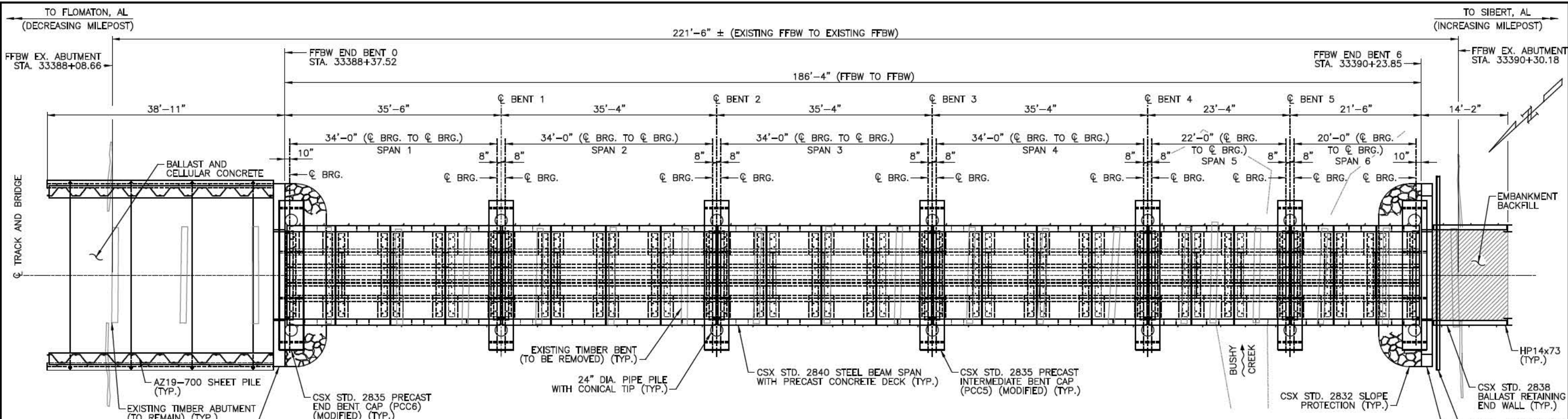
PROJECT VICINITY MAP

CSX TRANSPORTATION
PERIDIDO, BALDWIN COUNTY, ALABAMA
MP 000 632.2 & MP 000 632.9 CROSSING BUSHY CREEK

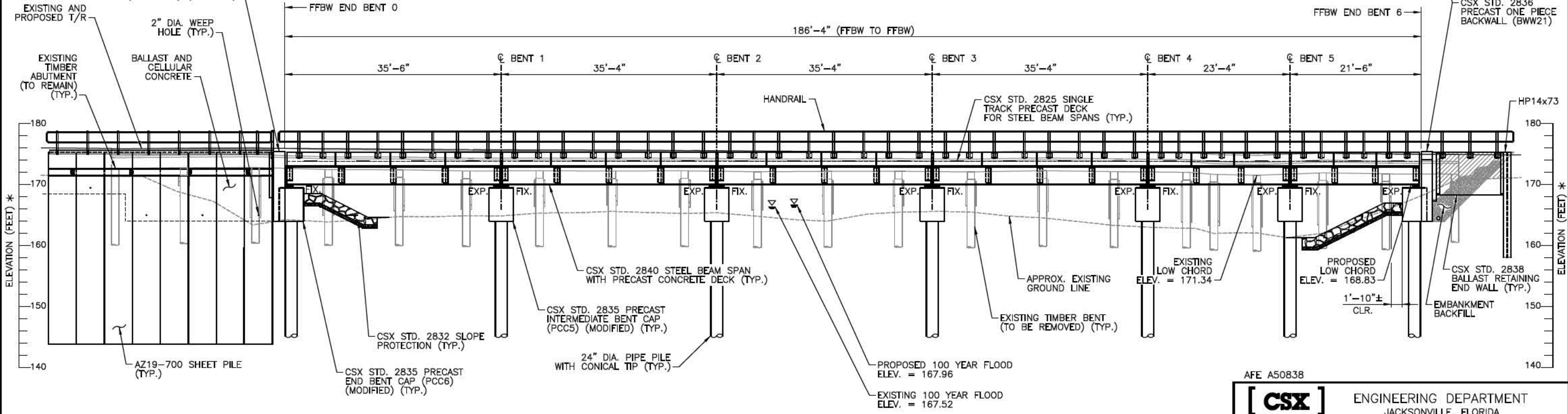
FIGURE 1



FILENAME: c:\pwworking\national\01\000 632.20-GP01.dgn USER: asoficial SCALE FACTORS CORRESPOND WITH FULL SIZE (22"x34") DRAWINGS



PLAN
SCALE: 1/8" = 1'-0"
HANDRAIL NOT SHOWN FOR CLARITY



ELEVATION
SCALE: 1/8" = 1'-0"

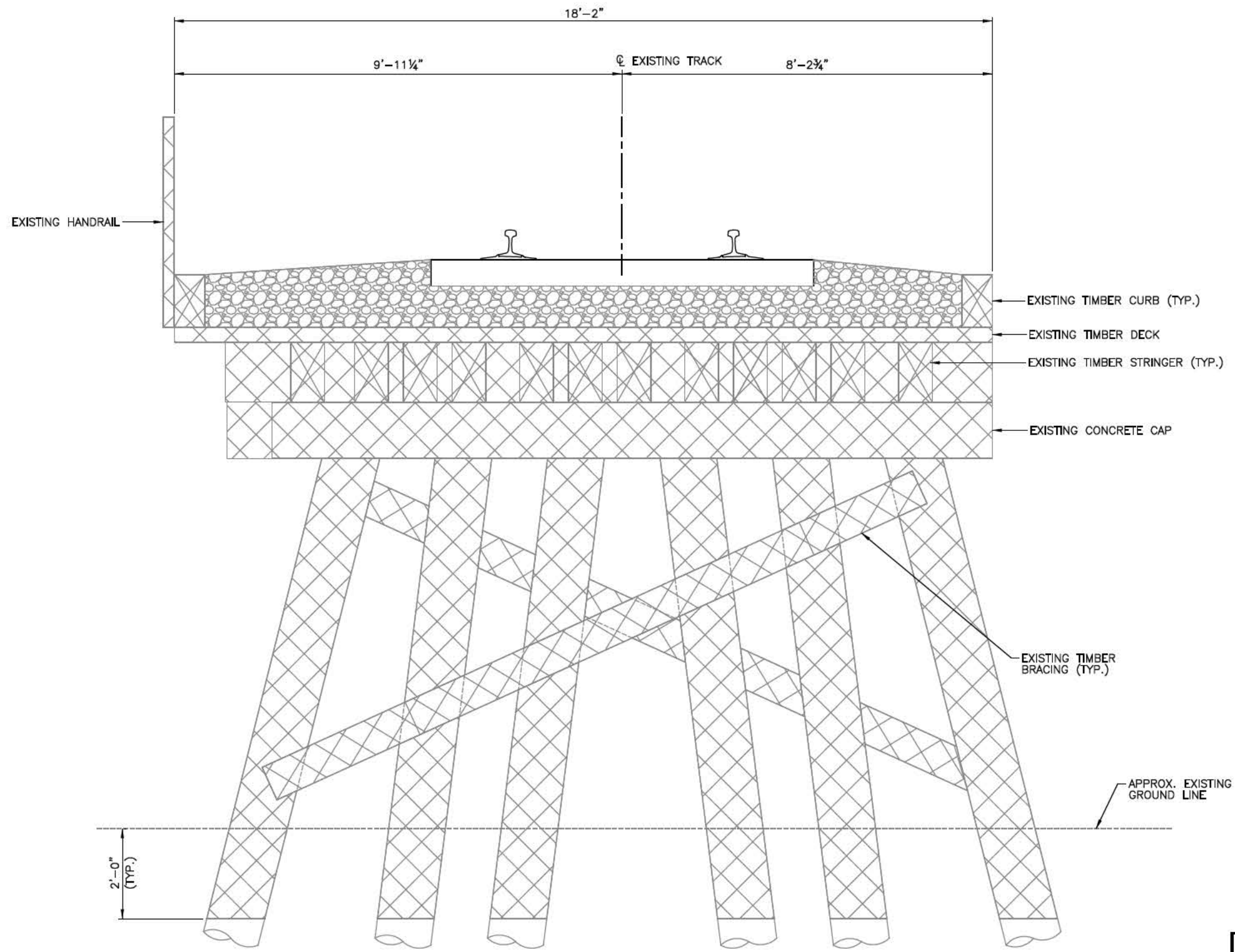
* ELEVATION SCALE PROVIDED FOR VISUAL PURPOSES ONLY AND IS NOT INTENDED FOR USE DURING CONSTRUCTION.

90% PLAN SET - NOT FOR CONSTRUCTION

HR HDR ENGINEERING, INC.
76 SOUTH LAURA STREET
SUITE 1600
JACKSONVILLE, FL 32202
904-598-8500
FILE: 000 632.20-GP01.dgn

AFE A50838		[CSX] ENGINEERING DEPARTMENT JACKSONVILLE, FLORIDA	
REVISIONS	BRIDGE @ MP 000 632.20 CROSSING BUSHY CREEK		
GENERAL PLAN AND ELEVATION			
BALDWIN COUNTY		PERDIDO, AL	
ZONE: GULF		SUBDIVISION: M&M	
SCALE: AS SHOWN	VAL. SEC.	DRAWING NO.	
DATE: 8/8/2023		000 632.20-04	
DESIGN: ALS	V57		
DRAWN: DJS	72		
CHECKED: TRM			

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REMOVAL

TYPICAL SECTION - EXISTING BENT
SCALE: 3/8" = 1'-0"

90% PLAN SET - NOT FOR CONSTRUCTION

HDR HDR ENGINEERING, INC.
76 SOUTH LAURA STREET
SUITE 1600
JACKSONVILLE, FL 32202
904-598-8900
FILE: 000_632.20-TS01.dgn

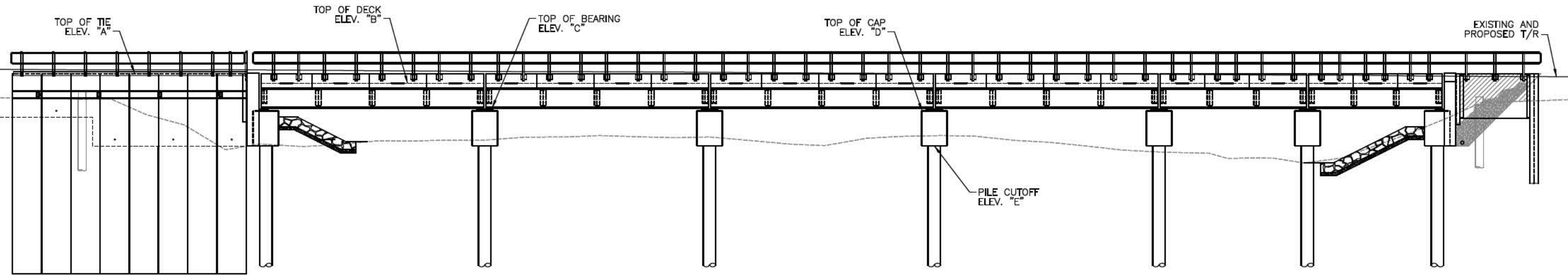
AFE A50838			
		ENGINEERING DEPARTMENT JACKSONVILLE, FLORIDA	
BRIDGE @ MP 000 632.20 CROSSING BUSHY CREEK			
TYPICAL SECTION (1 OF 5)			
BALDWIN COUNTY		PERDIDO, AL	
ZONE: GULF		SUBDIVISION: M&M	
SCALE: AS SHOWN	VAL. SEC.	DRAWING NO.	
DATE: 8/8/2023		000 632.20-06	
DESIGN: ALS	V57		
DRAWN: DJS	72		
CHECKED: TRM			

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 USER: asoficial
 SCALE FACTORS CORRESPOND WITH FULL SIZE (22"x34") DRAWINGS

BRIDGE ELEVATIONS								
PIER/ABUT	SPAN	STATION	T/R	ELEVATIONS				
				A	B	C	D	E
END BENT 0	1	33388+38.35	175.91	175.25	173.64	169.78	169.32	163.82
BENT 1	1	33388+72.35	175.74	175.07	173.46	169.60	169.14	163.64
	2	33388+73.69	175.73	175.07	173.46	169.60	169.14	163.64
BENT 2	2	33389+07.69	175.56	174.89	173.28	169.42	168.96	163.46
	3	33389+09.02	175.55	174.88	173.28	169.42	168.96	163.46
BENT 3	3	33389+43.02	175.38	174.71	173.10	169.24	168.78	163.28
	4	33389+44.35	175.37	174.70	173.10	169.24	168.78	163.28
BENT 4	4	33389+78.35	175.20	174.53	172.92	169.06	168.60	163.10
	5	33389+79.69	175.19	174.52	172.92	169.06	168.60	163.10
BENT 5	5	33390+01.69	175.08	174.41	172.80	168.94	168.48	162.98
	6	33390+03.02	175.07	174.40	172.80	168.94	168.48	162.98
END BENT 6	6	33390+23.02	174.97	174.30	172.70	168.84	168.38	162.88

EXISTING COMPONENTS	
NAME	HEIGHT
RAIL	8"
TIE	7"
BALLAST	4 1/4"
DECK	4"
GIRDER	1'-4"
TOTAL	3'-3 1/4"

PROPOSED COMPONENTS	
NAME	HEIGHT
RAIL	8"
TIE	7"
BALLAST	1'-0"
CONCRETE DECK + BEAM PROTECTION	9 1/4"
GIRDER	3'-1 1/8"
TOTAL	6'-1 3/8"
LESS LOW CHORD RISE	2'-10 1/8"
TOTAL	3'-3 1/4"



ELEVATIONS DIAGRAM
SCALE: N.T.S.

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HDR
 HDR ENGINEERING, INC.
 76 SOUTH LAURA STREET
 SUITE 1600
 JACKSONVILLE, FL 32202
 904-598-8500
 FILE: 000_632.20-BE01.dgn

AFE A50838

[CSX] ENGINEERING DEPARTMENT
 JACKSONVILLE, FLORIDA

BRIDGE @ MP 000 632.20 CROSSING
 BUSHY CREEK

BRIDGE ELEVATIONS

BALDWIN COUNTY PERDIDO, AL
 ZONE: GULF SUBDIVISION: M&M

REVISIONS	SCALE: AS SHOWN	VAL. SEC.	DRAWING NO.
	DATE: 8/8/2023	V57	000 632.20-11
	DESIGN: ALS	72	
	DRAWN: DJS		
	CHECKED: TRM		

CELLULAR CONCRETE NOTES:

MATERIALS:

1. THE PROPOSED MIX DESIGN MUST BE APPROVED BY THE FOAMING AGENT MANUFACTURER.
2. PORTLAND CEMENT SHALL COMPLY WITH ASTM C150 (TYPE I, II, OR III).
3. FLY ASH, IF USED, SHALL BE CLASS C OR CLASS F AND COMPATIBLE WITH FOAMING AGENT.
4. WATER SHALL BE POTABLE WATER FREE FROM DELETERIOUS SUBSTANCES LIKE ACIDS, ALKALI, SALTS, OILS AND ORGANIC MATERIALS WHICH COULD ADVERSELY AFFECT THE SETTING STRENGTH OF THE CELLULAR CONCRETE.
5. FOAM SHALL CONFORM TO ASTM C796.
6. ADMIXTURES FOR WATER REDUCING, RETARDING, ACCELERATING, ANTI-WASHOUT AND OTHER SPECIFIC PROPERTIES MAY BE USED WHEN SPECIFICALLY APPROVED BY THE MANUFACTURER OF THE PRE-FORMED FOAM AND THE ENGINEER.
7. CLASS IV NON-PERVIOUS CELLULAR CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
 - A. WET DENSITY, MAXIMUM 37 POUNDS PER CUBIC FOOT
 - B. MINIMUM 28-DAY COMPRESSIVE STRENGTH, 420 POUNDS PER SQUARE INCH

PRODUCTION:

1. FOAM GENERATING EQUIPMENT SHALL BE USED TO PRODUCE A PREDETERMINED QUANTITY OF PRE-FORMED FOAM WHICH SHALL BE MIXED AND BLENDED WITH CEMENTITIOUS SLURRY. EQUIPMENT SHALL BE CALIBRATED TO PRODUCE CONSISTENT FOAM THAT SHALL RETAIN ITS STABILITY UNTIL THE CEMENT SETS TO FORM A UNIFORM CELLULAR STRUCTURE.
2. WHEN PRODUCING NEAT CELLULAR CONCRETE (NO SAND OR OTHER AGGREGATES), PRE-FORMED FOAM UNDER NO CIRCUMSTANCES SHALL BE ADDED OR BLENDED WITH CEMENTITIOUS SLURRY IN A TRANSIT MIXER.
3. CELLULAR CONCRETE SHALL BE PRODUCED UTILIZING SPECIALIZED AUTOMATED PROPORTIONING, MIXING, AND FOAM PRODUCING EQUIPMENT, WHICH IS CAPABLE OF MEETING THE SPECIFIED PROPERTIES.
4. AVOID EXCESSIVE HANDLING OF THE MATERIAL. AFTER SUFFICIENT MIXING OF THE FOAM WITH SLURRY, CONVEY THE CELLULAR CONCRETE PROMPTLY TO ITS FINAL LOCATION.
5. ALL EQUIPMENT USED TO FURNISH THIS MATERIAL MUST BE APPROVED BY THE FOAM MANUFACTURER.

PLACEMENT:

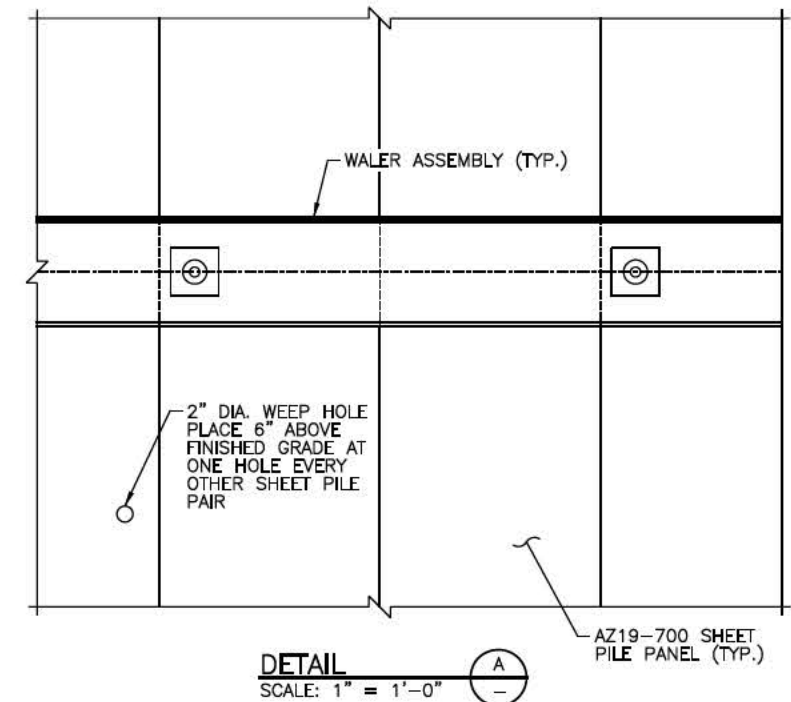
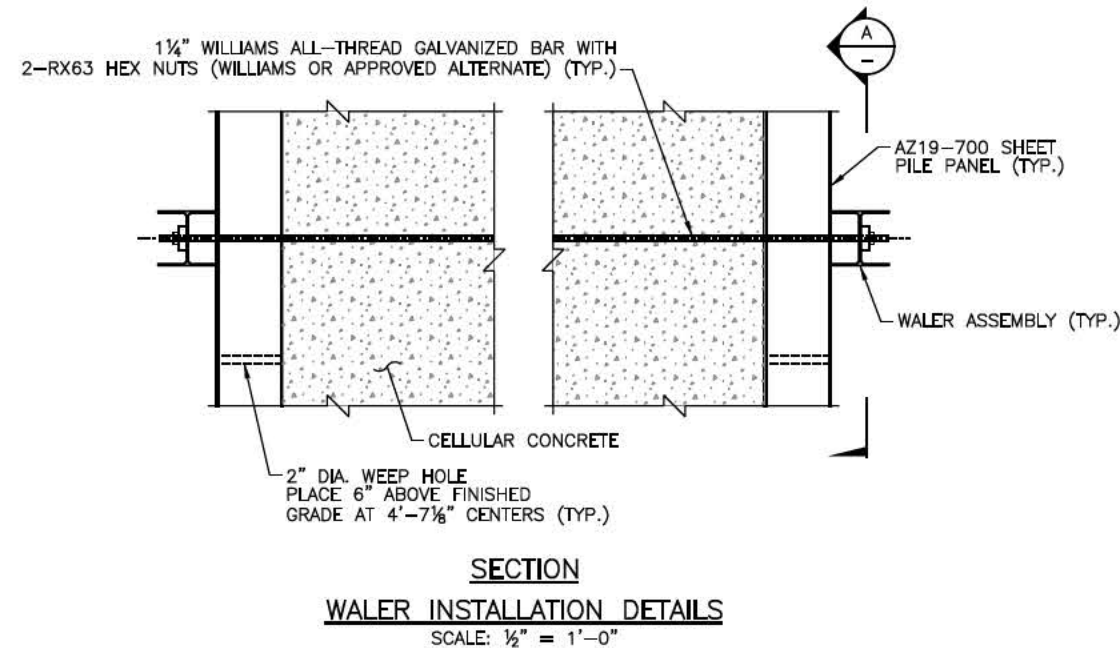
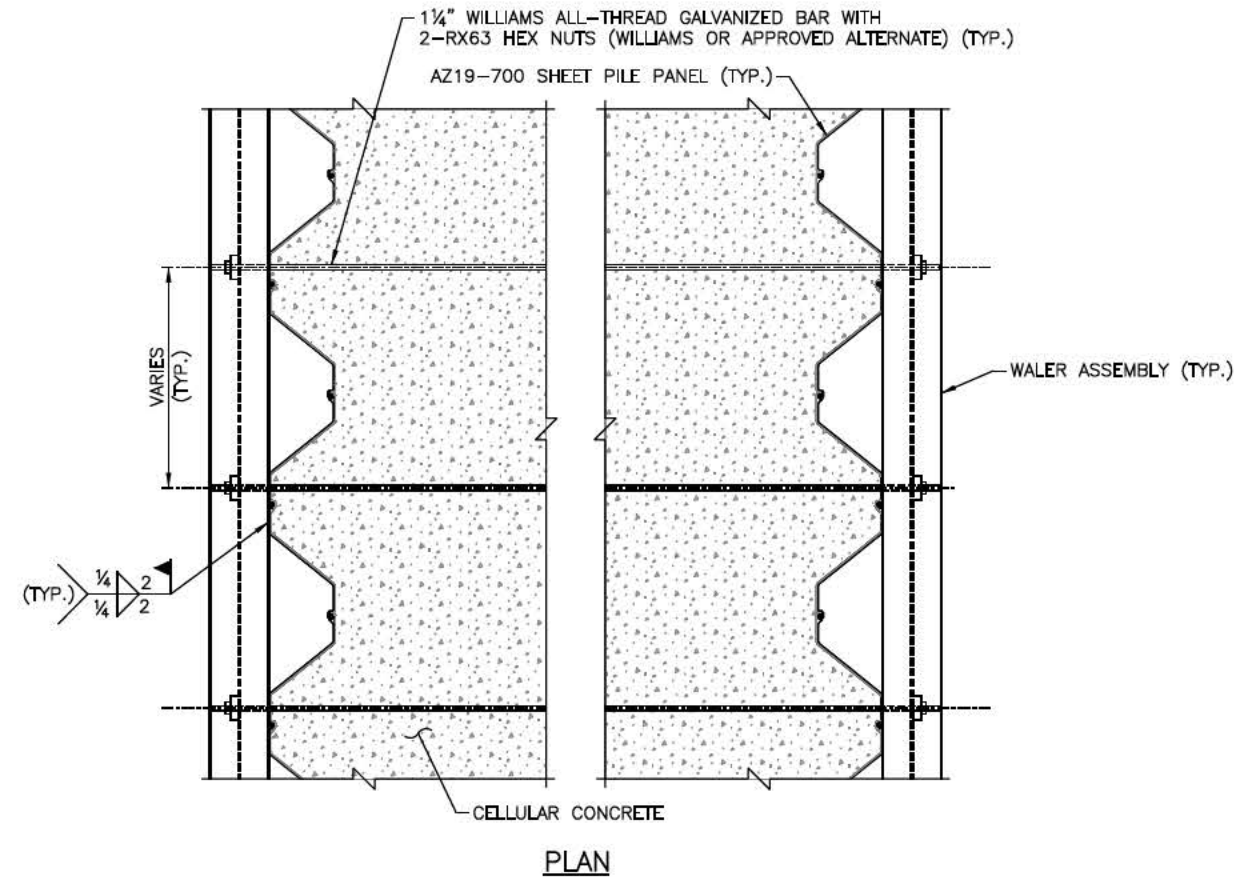
1. PRIOR TO PLACEMENT, THE GROUND SURFACE SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THERE SHALL BE NO STANDING WATER IN THE AREA TO BE FILLED. IF NECESSARY, DEWATERING SHALL BE CONTINUOUS DURING PLACEMENT OF MATERIALS.
3. ANY ITEMS TO BE ENCASED IN CELLULAR CONCRETE SHALL BE SET IN PLACE AND SECURED PRIOR TO INSTALLATION OF MATERIAL.
4. PLACEMENT SHALL NOT BE ALLOWED ON FROZEN GROUND.
5. DO NOT PLACE AT TEMPERATURES LOWER THAN DIRECTED BY THE MANUFACTURER.
6. PLACE CELLULAR CONCRETE IN SUCH A MANNER SO THAT MINIMAL CONSOLIDATION OF MATERIAL OCCURS DURING OR AFTER PLACEMENT. PLACEMENT OF CELLULAR CONCRETE SHALL NOT EXCEED DEPTHS AS RECOMMENDED BY THE MANUFACTURER.
7. FINAL SURFACE OF CELLULAR CONCRETE SHALL BE WITHIN $-/+0.5$ FEET OF THE PLAN ELEVATIONS.
8. CELLULAR CONCRETE SHALL NOT BE VIBRATED OR DISTURBED AFTER PLACEMENT. VEHICLES, EQUIPMENT, BACKFILLS OR OTHER LOADINGS ON THE FILL MATERIAL SHALL NOT BE PERMITTED UNTIL THE MATERIAL HAS ATTAINED REQUIRED COMPRESSIVE STRENGTH.

CELLULAR CONCRETE/ALL-THREAD BAR INSTALLATION:

1. CREATE A LEVEL COMPACTED BENCH FOR EACH LIFT OF CELLULAR CONCRETE.
2. INSTALL CELLULAR CONCRETE IN 3'-0" MAXIMUM LIFTS. ALLOW EACH LIFT OF CELLULAR CONCRETE TO SETUP PER THE NOTES PRIOR TO POURING THE NEXT LIFT.
3. WHEN THE ELEVATION OF LIFT EXCEEDS THE ELEVATION OF THE HP14x73 WALER AND ALL-THREAD BARS, TENSION THE ALL-THREAD BARS TO 80% OF THE DESIGN LOAD.
4. CONTINUE THIS PROCESS UNTIL THE ENTIRE SPACE BETWEEN THE SHEET PILE WALLS AND FILL FACE OF END BENTS IS FULL.

FIELD QUALITY CONTROL:

1. CONTRACTOR SHALL RECORD AND MEASURE WET CAST DENSITIES AT THE POINT OF PLACEMENT HOURLY OR DIRECTLY AFTER RESUMING PLACEMENT IF INTERRUPTED FOR ONE HALF HOUR OR MORE.
2. A MINIMUM OF SEVEN (7) 3"x6" CYLINDERS SHALL BE MOLDED FOR EACH 300 CUBIC YARDS PLACED, BUT NO LONGER THAN FOUR (4) HOURS BETWEEN SAMPLING DURING CONTINUOUS PLACEMENT. THE TESTING FREQUENCY MAY BE MODIFIED VIA THE ENGINEER'S DISCRETION DURING CONSTRUCTION.
3. A MINIMUM OF ONE CYLINDER SHOULD BE TESTED AT 3,7,14, AND 28 DAYS FOR COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM C495.
4. THE TESTING MACHINE USED TO BREAK CELLULAR CONCRETE CYLINDERS SHOULD HAVE A LOAD RANGE OF 5,000 POUNDS.
5. CYLINDERS SHOULD BE STRIPPED PER ASTM REQUIREMENTS. IF DAMAGE OCCURS OR SOFT BOTTOMS ARE ENCOUNTERED, TRIM ONE INCH OF THE CYLINDER BOTTOM PRIOR TO TESTING AND APPLYING APPROPRIATE CORRECTION FACTORS (ASTM C42 SECTION 6.7).
6. DO NOT ROD THE MATERIAL IN THE CELLULAR CONCRETE CYLINDER SAMPLES.



90% PLAN SET - NOT FOR CONSTRUCTION

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904-598-8500

AFE A50838			
[CSX]		ENGINEERING DEPARTMENT JACKSONVILLE, FLORIDA	
REVISIONS	BRIDGE @ MP 000 632.20 CROSSING BUSHY CREEK SHEET PILE WALL DETAILS (1 OF 4)		
	BALDWIN COUNTY	PERDIDO, AL	
	ZONE: GULF	SUBDIVISION: M&M	
SCALE: AS SHOWN	VAL. SEC.	DRAWING NO.	
DATE: 8/8/2023	V57	000 632.20-13	
DESIGN: ALS	72		
DRAWN: DJS			
CHECKED: TRM			

FILENAME: c:\pwworking\national01\00414541\000 632.20-WD01.dgn USER: asoficial SCALE FACTORS CORRESPOND WITH FULL SIZE (22"x34") DRAWINGS