



REPLY TO
ATTENTION OF

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

CESAM RD-A
PUBLIC NOTICE NO. SAM-2017-00752-SBC

March 16, 2020

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

REQUEST TO DISCHARGE FILL MATERIAL INTO 7.25 ACRES OF WETLANDS AND 0.11
ACRE OF NON-WETLAND WATERS TO CONSTRUCT A NEW TRANSPORTATION
CORRIDOR FROM COUNTY ROAD 95 TO STATE ROUTE 161, ORANGE BEACH,
BALDWIN COUNTY, ALABAMA

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

APPLICANT: City of Orange Beach
Attention: Ms. Kit Alexander
Post Office Box 458
Orange Beach, Alabama 36561

AGENT: TTL, Inc.
Attention: Mr. Adam George
2743-B Gunter Park Drive West
Montgomery, Alabama 36109

LOCATION: The proposed work is located within wetlands associated with Wolf Bay; County Road 95 to State Route 161, within Sections 14, 15, 21, 22, 28, and 33, Township 8 South, Range 5 East; and Sections 4 and 5, Township 9 South, Range 5 East; beginning coordinates Latitude 30.351965° North, Longitude -87.547543° West; ending coordinates Latitude 30.291791° North, Longitude -87.581278° West; in Orange Beach, Baldwin County, Alabama.

PROJECT PURPOSE: The basic project purpose is to construct a new transportation corridor. The overall project purpose is to construct a new transportation corridor to improve connectivity between City of Orange Beach municipal boundaries on the north and south sides of the Gulf Intracoastal Waterway.

PROPOSED WORK: The applicant proposes to discharge approximately 60,000 cubic yards of commercially obtained sandy-clay fill material into a total of 7.25 acres of forested and scrub-shrub wetlands and approximately 0.11 acre of non-wetland waters (ditches) in order to construct a new transportation corridor between County Road 95 and State Route 161. The work would involve construction of new segments of two-lane roadway, including bridge approaches, and improvement of existing sections of County Road 95, Fish Trap Road, Barber Parkway, and Juniper Street, for a total length of approximately 5.0 miles. The project would include construction of a new two-lane bridge across Wolf Bay and the Gulf Intracoastal

Waterway. The applicant has applied to the U.S. Coast Guard (USCG) for a bridge permit under Section 9 of the Rivers and Harbors Act of 1899 and the General Bridge Act of 1946. The USCG is responsible for approval of bridges constructed across navigable waters of the United States.

AVOIDANCE AND MINIMIZATION: The applicant has evaluated alternative roadway linkages and alignments to avoid and minimize impacts to waters of the United States. In selection of the preferred alternative, the applicant stated the project would avoid impacts to approximately 6.82 acres of wetlands and 0.02 acre of non-wetland waters (ditches). The U.S. Army Corps of Engineers (USACE), Mobile District, has not verified the adequacy of the applicant's avoidance and minimization efforts at this time.

MITIGATION: The applicant has proposed to compensate for unavoidable impacts to wetlands through the purchase of wetland mitigation credits from a USACE approved mitigation bank. The USACE has not verified the adequacy of the applicant's proposed mitigation plan at this time.

WATER QUALITY/COASTAL ZONE MANAGEMENT (CZM): The applicant has 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 325, the USACE has determined that the permit area consists of the proposed fill areas in waters of the United States and portions of the adjacent uplands that would be utilized for construction access and equipment and materials staging. The National Register of Historic Places will be consulted for properties listed, or eligible for listing, in the National Register, which are known to exist and would be affected by the proposed work. The applicant has conducted and submitted a Phase I cultural resources survey of the permit area, which is currently under evaluation by the USACE for a federal determination of effects. 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.

ESSENTIAL FISH HABITAT: This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Terrestrial portions of the proposed project would be located in palustrine forested wetlands, emergent marsh habitat, and ditches draining to estuarine waters. The proposed project would temporarily impact (through the use of temporary construction matting) approximately 0.38 acre of emergent marsh utilized by various life stages of multiple marine species, for construction access to the north bridge abutments. Temporary construction matting would be removed upon completion of construction activities. Our initial determination is that terrestrial portions of the proposed action would not adversely affect EFH or federally

managed fisheries. 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 that the proposed roadway and bridge abutment construction activities would have no effect on the following listed endangered or threatened species with the potential to exist within the watershed of the action area: West Indian manatee, wood stork, piping plover, red knot, green sea turtle, Kemp's ridley sea turtle, loggerhead sea turtle, Gulf sturgeon, Alabama beach mouse, and Perdido Key beach mouse. There is no designated critical habitat within the action area, and no direct or indirect effects to designated critical habitat are anticipated as a result of the project activities. Based on species survey information provided by the applicant, there is suitable habitat present within the USACE action area to support the eastern indigo snake due to the documented presence of active gopher tortoise burrows within the roadway corridor; therefore, the USACE has determined this proposed project may affect but is not likely to adversely affect the eastern indigo snake. This determination was provided to USFWS on March 2, 2020. Within its eastern range in Baldwin County, Alabama, the gopher tortoise is considered a candidate species for protection under the Endangered Species Act. The applicant has coordinated with the USFWS and the Alabama Department of Conservation and Natural Resources for the relocation of any gopher tortoises located within the project corridor prior to construction. Further coordination with the USFWS will be performed as determined to be appropriate.

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, 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.

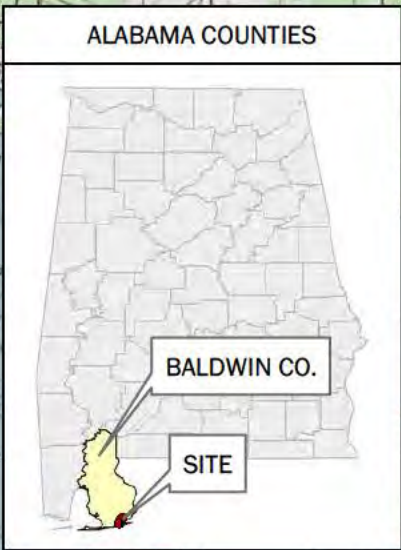
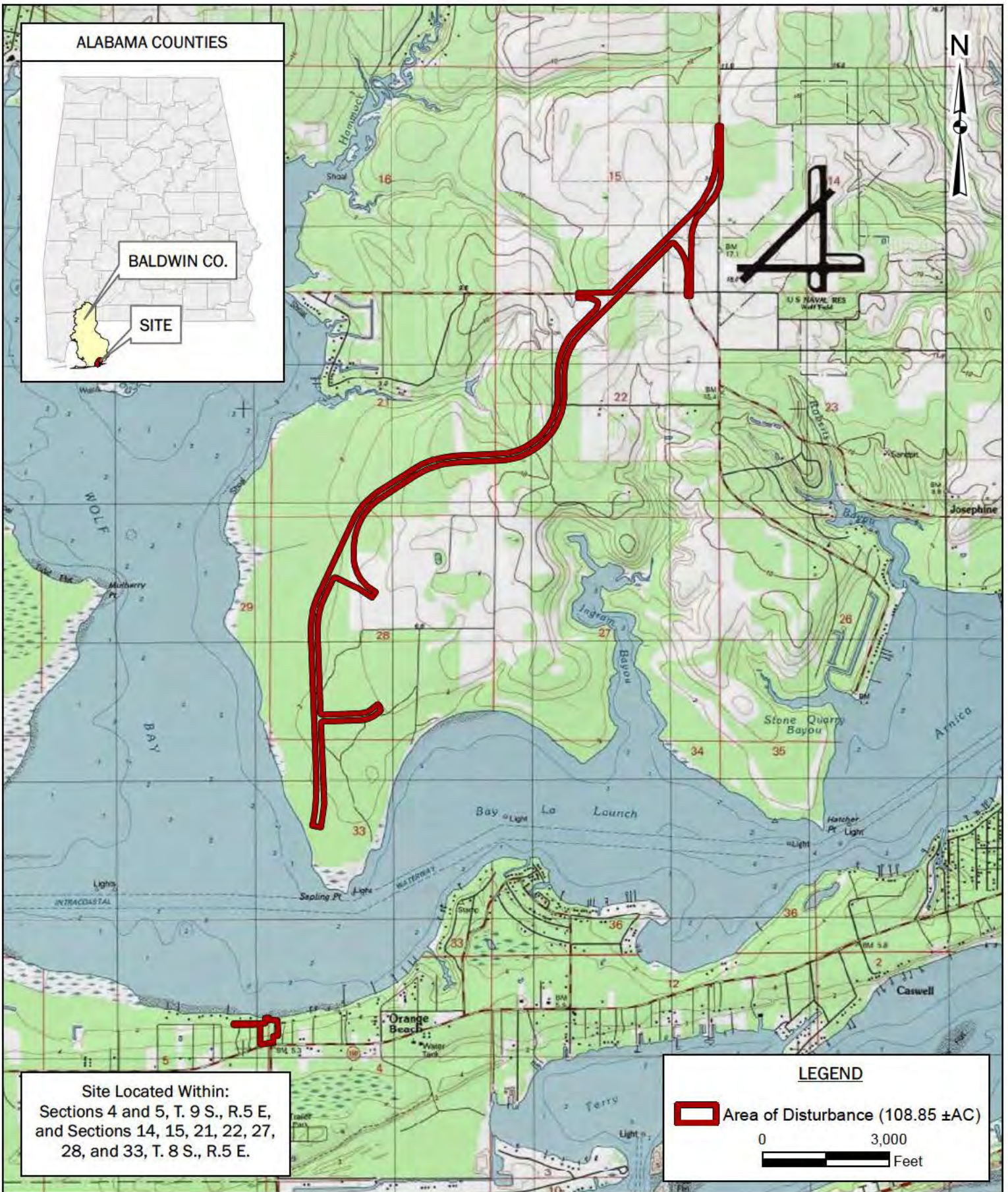
Correspondence concerning this notice should refer to Public Notice Number **SAM-2017-00752-SBC**, and should be directed to the USACE project manager, Mr. Dylan C. Hendrix, by e-mail at dylan.c.hendrix@usace.army.mil, or (251) 694-3772, or by mail at USACE, Mobile District, Regulatory Division, Attention: Mr. Dylan C. Hendrix, 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



Site Located Within:
 Sections 4 and 5, T. 9 S., R.5 E,
 and Sections 14, 15, 21, 22, 27,
 28, and 33, T. 8 S., R.5 E.

LEGEND

 Area of Disturbance (108.85 ±AC)

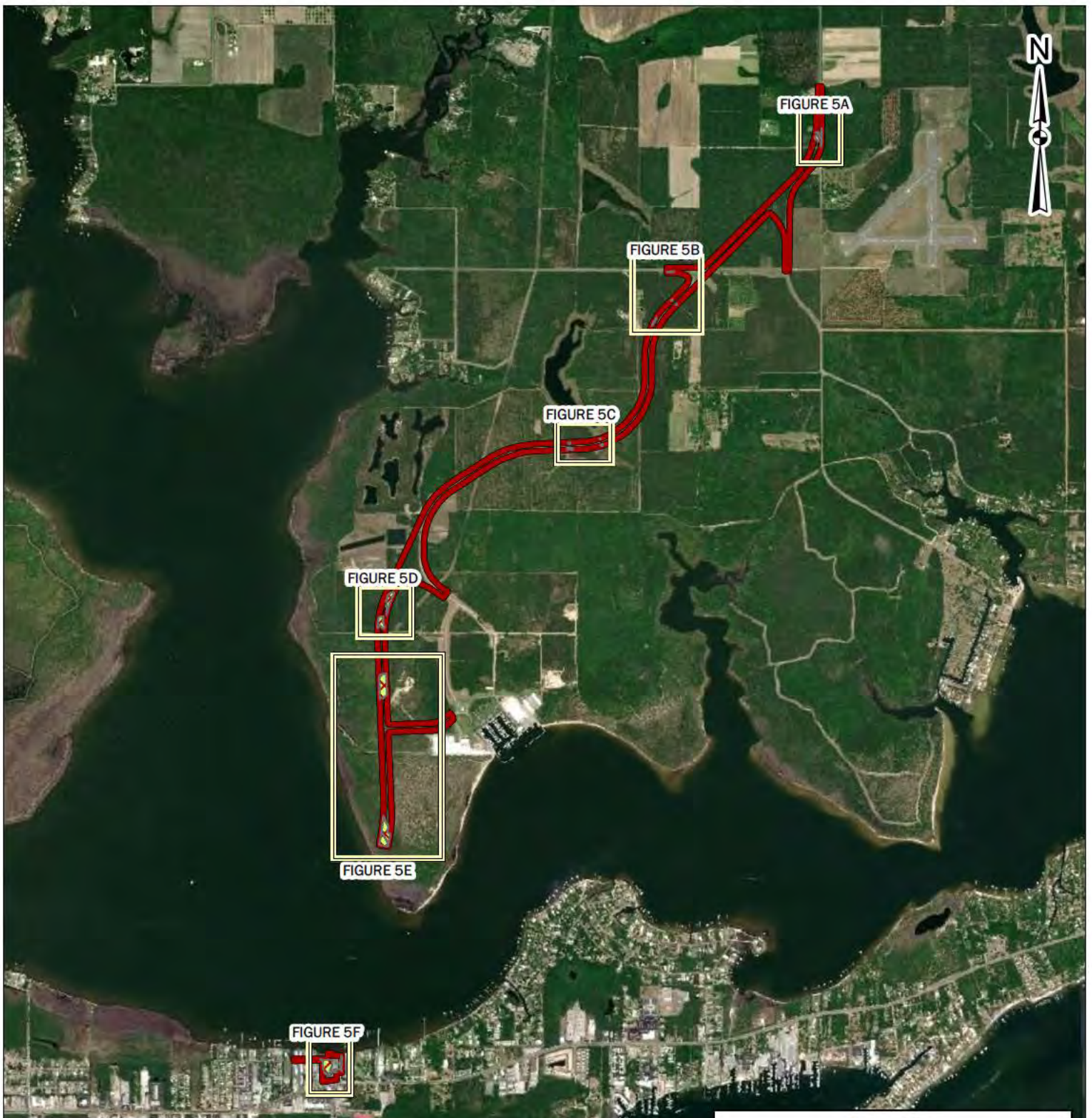
0 3,000
 Feet



FIGURE 1: SITE LOCATION & TOPOGRAPHIC MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH


BASEMAP: Orange Beach, Alabama 7.5 Minute Quadrangle Map, 1984 (2-ft Contour Interval).


DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 3,000'



Note: No survey or site visit was performed as part of this review. The displayed potential jurisdictional features were compiled from publicly available data including aerial imagery, soils, and wetland inventories.

LEGEND

 Area of Disturbance (108.85 ±AC)

 Impacted Wetlands (7.25 ±AC)

0 3,000


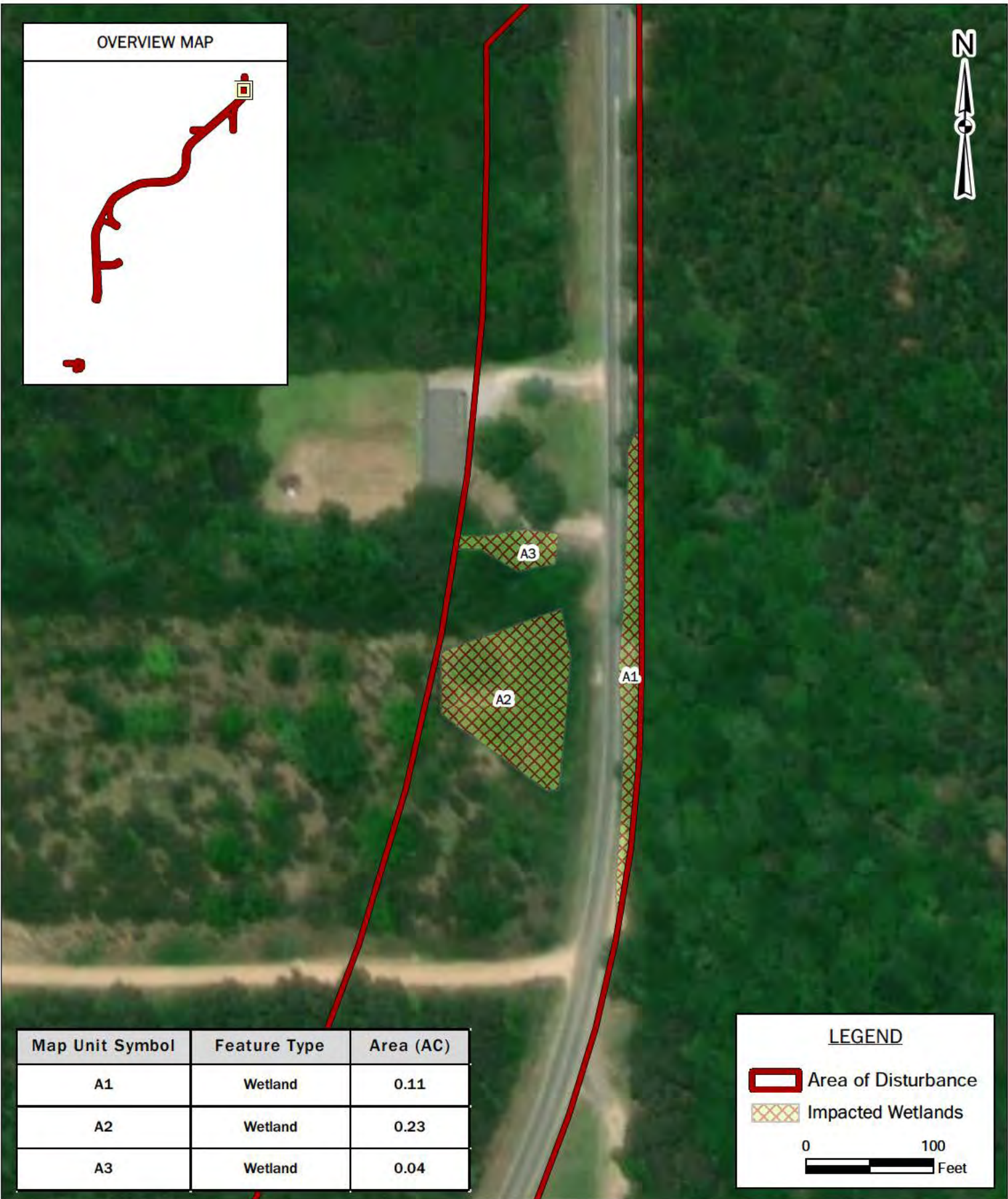
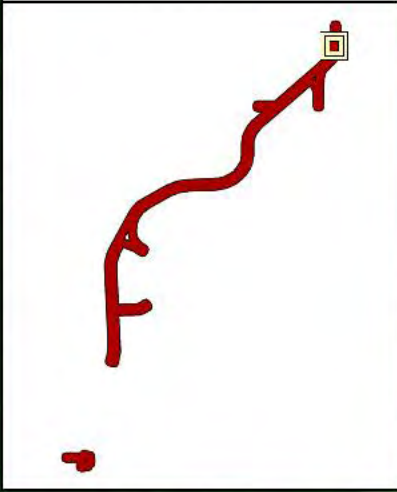
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FIGURE 5: WATERS OF THE U.S. DELINEATION OVERVIEW MAP
BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.


DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 3,000'


OVERVIEW MAP



Map Unit Symbol	Feature Type	Area (AC)
A1	Wetland	0.11
A2	Wetland	0.23
A3	Wetland	0.04

LEGEND

 Area of Disturbance

 Impacted Wetlands


0 100
 Feet

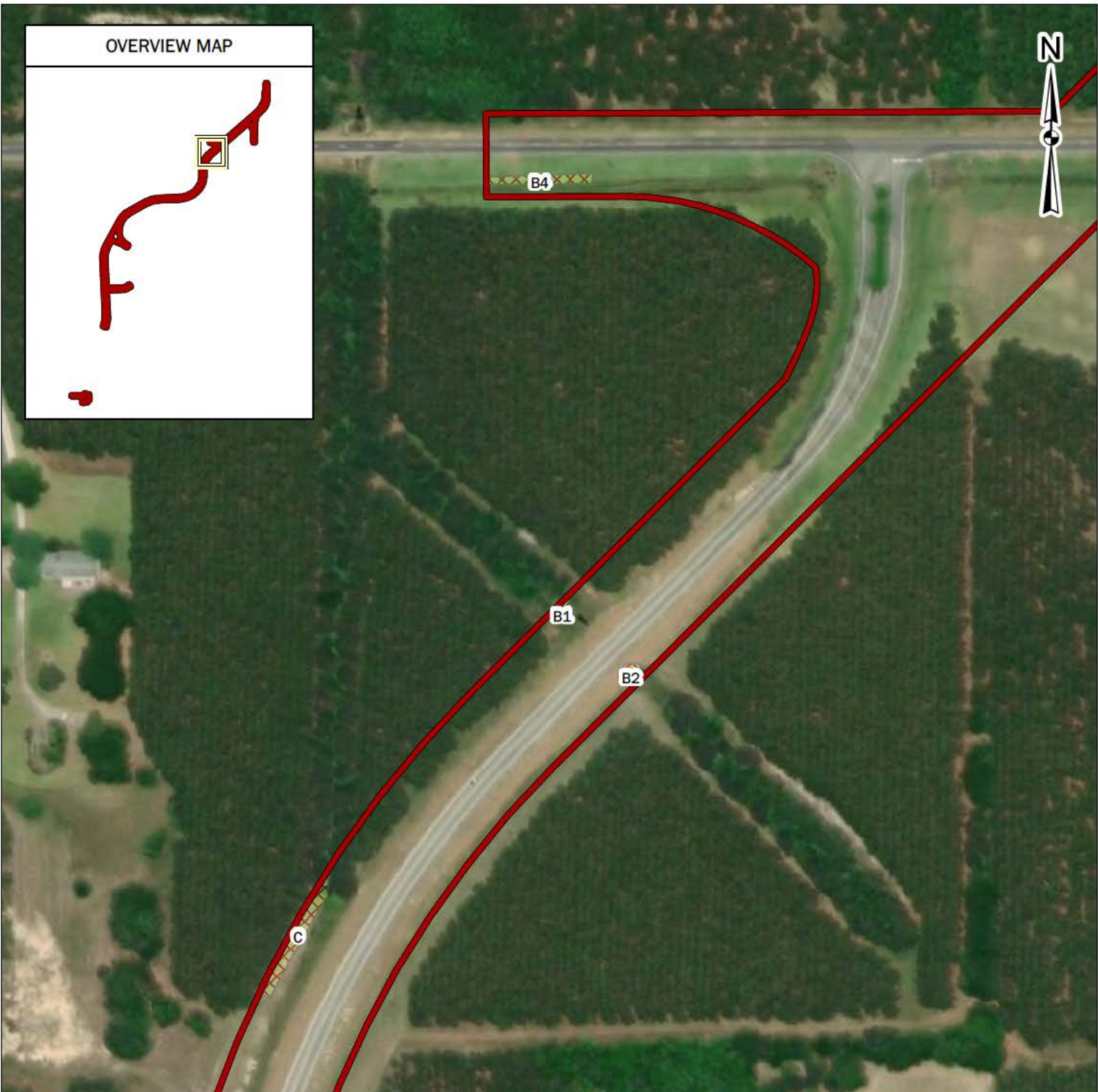
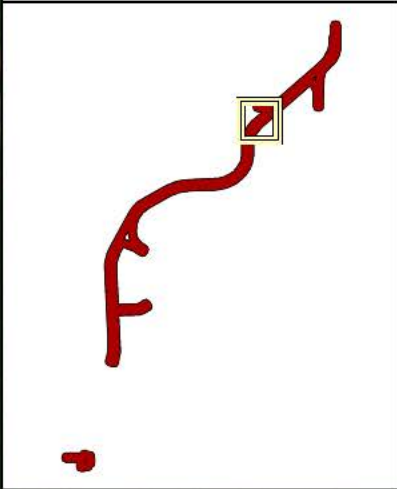


FIGURE 5A: AREA "A" WATERS OF THE U.S. IMPACT MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH

BASEMAP: DigitalGlobe, 2/9/2017.

DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 100'

OVERVIEW MAP



Map Unit Symbol	Feature Type	Area (AC)
B1	Wetland	0.02
B-2	Wetland	0.02
B-4	Wetland	0.05
C	Wetland	0.08

LEGEND

Area of Disturbance

Impacted Wetlands

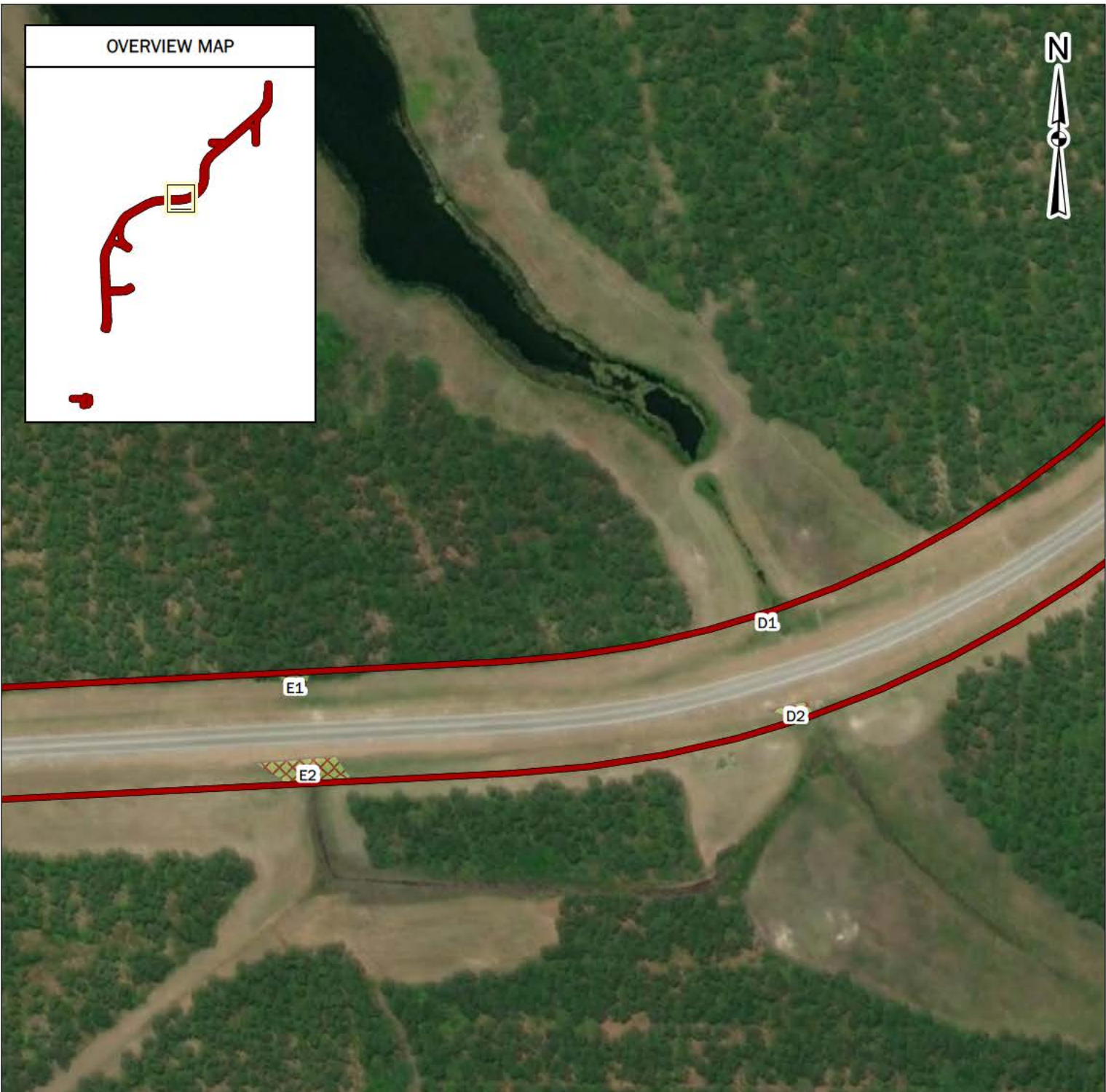
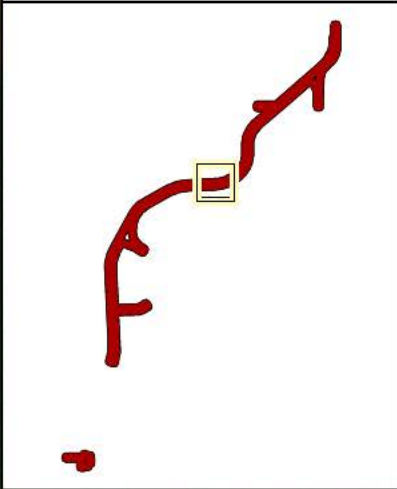
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FIGURE 5B: AREA "B" & AREA "C" WATERS OF THE U.S. IMPACT MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.

DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 200'

OVERVIEW MAP



Map Unit Symbol	Feature Type	Area (AC)
D1	Wetland	0.01
D2	Wetland	0.02
E1	Wetland	0.02
E2	Wetland	0.09

LEGEND

Area of Disturbance

Impacted Wetlands

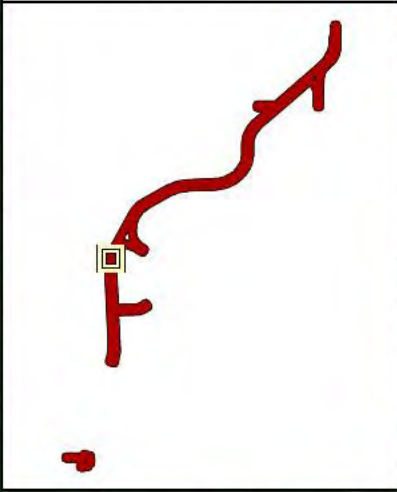
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 Feet



FIGURE 5C: AREA "D" & AREA "E" WATERS OF THE U.S. IMPACT MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.


DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 200'


OVERVIEW MAP



Map Unit Symbol	Feature Type	Area (AC)
F2	Wetland	0.7
G	Wetland	0.63

LEGEND

 Area of Disturbance

 Impacted Wetlands


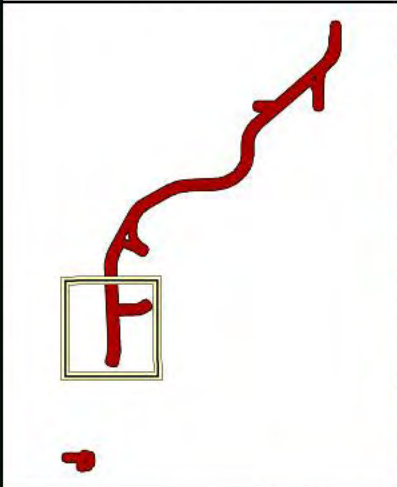
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 Feet



FIGURE 5D: AREA "F" & AREA "G" WATERS OF THE U.S. IMPACT MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.

DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: 9/6/2019
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 100'

OVERVIEW MAP





H

I1
I2

Map Unit Symbol	Feature Type	Area (AC)
H	Wetland	1.85
I1	Wetland	1.22
I2	Wetland	0.8

LEGEND

 Area of Disturbance

 Impacted Wetlands

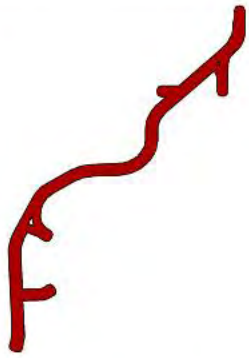
0 500
Feet



FIGURE 5E: AREA "H" & AREA "I" WATERS OF THE U.S. IMPACT MAP
 BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.


DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 9/6/2019
REVISION DATE: N/A
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 500'


OVERVIEW MAP



Map Unit Symbol	Feature Type	Area (AC)
J	Wetland	0.20
K	Wetland	0.01
L1	Wetland	1.20
L2	Wetland	0.01

LEGEND

 Area of Disturbance

 Impacted Wetlands


0 100
 Feet



FIGURE 5F: AREA "J", AREA "K" & AREA "I" WATERS OF THE U.S.
IMPACT MAP
BURK-KLEINPETER, INC.
 PROPOSED WOLF BAY BRIDGE & COUNTY ROAD 95 IMPROVEMENTS
 USACE FILE NO.: SAM-2017-00752-DCH
BASEMAP: DigitalGlobe, 2/9/2017.

DRAWN BY: DEK
CHECKED BY: ADG
DRAWING DATE: 4/24/2019
REVISION DATE: N/A
TTL JOB NO.: 006080217020.00
Approximate Scale: 1" = 100'

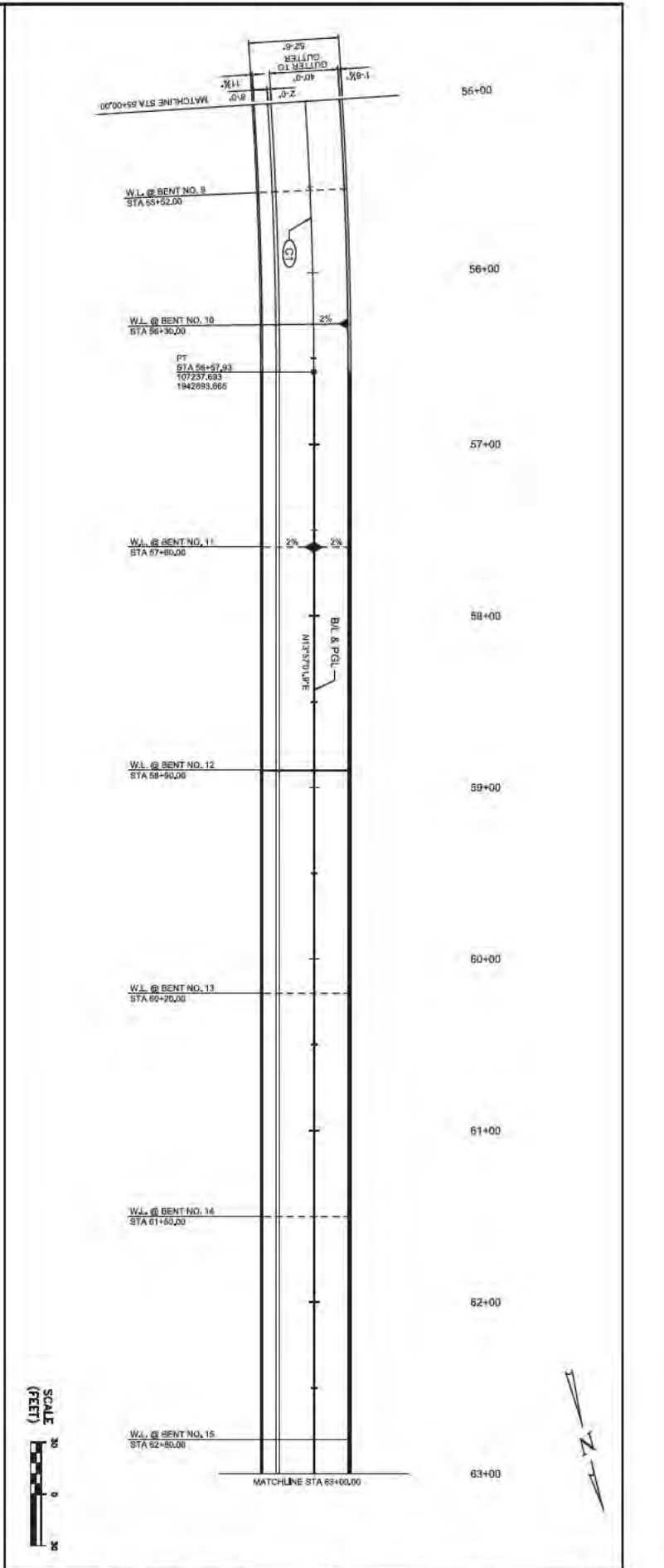
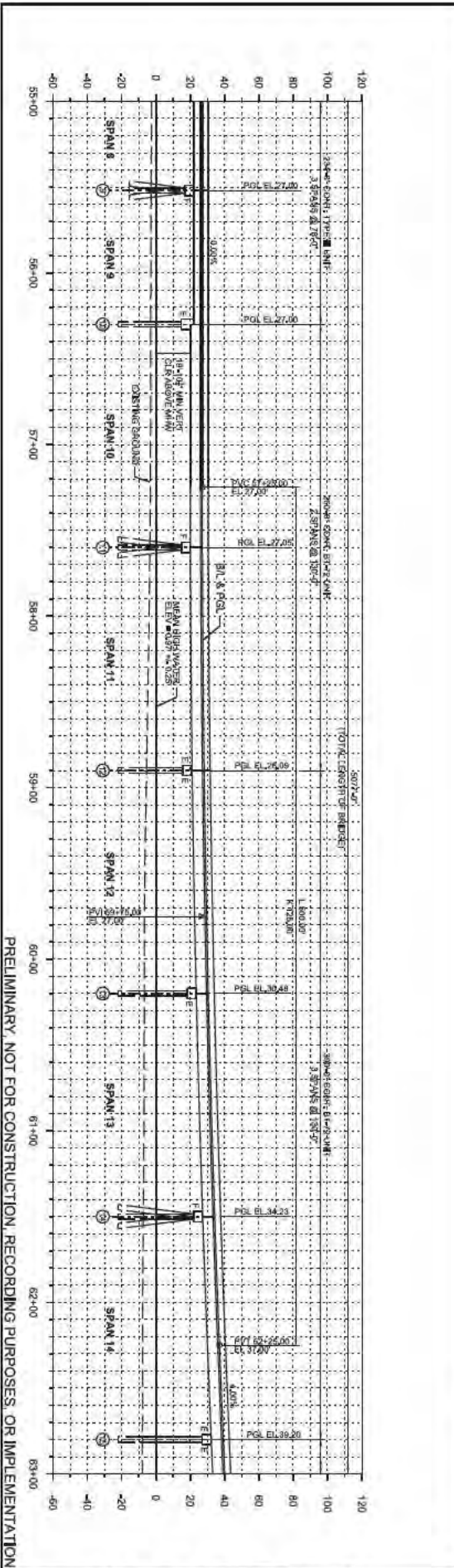
Wolf Bay Bridge Preliminary Pile Location Information

NOTE: Locations are based on Alabama State Plane Coordinate System, West Zone.

BENT NO.	NORTHING	EASTING	MUDLINE ELEV (FT)	WATER DEPTH AT MLLW (+/-0.25 FT)	WATER DEPTH AT MHW (+/-0.25 FT)
1	106513.783	1942823.291	9.18	-	-
2	106591.735	1942820.639	6.35	-	-
3	106669.731	1942820.431	5.18	-	-
4	106747.696	1942822.665	5.34	-	-
5	106825.552	1942827.340	3.33	-	-
6	106903.224	1942834.451	-1.56	1.46	2.63
7	106980.636	1942843.992	-2.07	1.87	3.04
8	107057.710	1942855.952	-2.47	2.27	3.44
9	107134.372	1942870.320	-2.81	2.61	3.78
10	107210.546	1942887.083	-3.12	2.92	4.09
11	107286.749	1942918.272	-3.59	3.39	4.56
12	107462.914	1942949.612	-5.50	5.30	6.47
13	107539.080	1942980.953	-6.82	6.62	7.79
14	107715.245	1943012.294	-7.38	7.18	8.35
15	107891.411	1943043.635	-7.30	7.70	8.87
16	107967.577	1943074.976	-8.27	8.07	9.24
17	108043.742	1943106.317	-8.50	8.30	9.47
18	108219.908	1943137.658	-8.54	8.44	9.61
19	108396.073	1943168.999	-8.36	8.66	9.83
20	108472.239	1943200.340	-8.39	8.79	9.96

BENT NO.	NORTHING	EASTING	MUDLINE ELEV (FT)	WATER DEPTH AT MLLW (+/-0.25 FT)	WATER DEPTH AT MHW (+/-0.25 FT)
21	108598.404	1943231.681	-8.94	8.74	9.91
22	108724.570	1943263.022	-9.08	8.88	10.05
23	108850.735	1943294.363	-9.10	8.90	10.07
24	108976.901	1943325.704	-9.28	9.08	10.25
25	109219.527	1943385.975	-11.96	11.76	12.93
26	109573.761	1943473.970	-10.46	10.26	11.43
27	109816.387	1943534.241	-8.72	8.52	9.69
28	109942.553	1943565.582	-6.98	6.78	7.95
29	110068.718	1943596.923	-3.38	3.18	4.35
30	110194.884	1943628.264	-3.15	2.95	4.12
31	110321.049	1943659.605	-2.97	2.77	3.94
32	110447.215	1943690.946	-2.60	2.40	3.57
33	110573.380	1943722.287	-2.27	2.07	3.24
34	110699.546	1943753.628	-1.84	1.64	2.81
35	110825.712	1943784.969	-1.11	0.91	2.08
36	110951.877	1943816.310	1.86	-	-
37	111078.043	1943847.650	1.26	-	-
38	111204.240	1943878.861	1.49	-	-
39	111331.014	1943907.628	1.63	-	-
40	111458.493	1943933.085	1.72	-	-





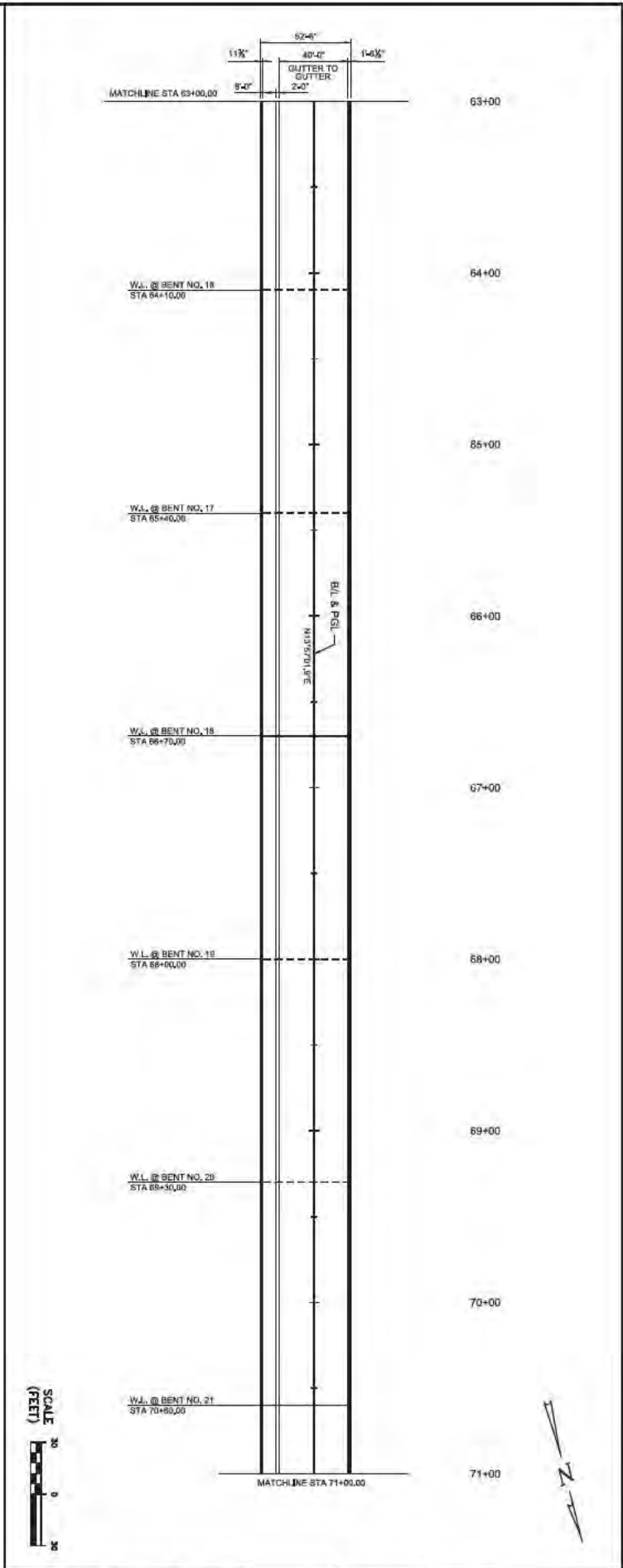
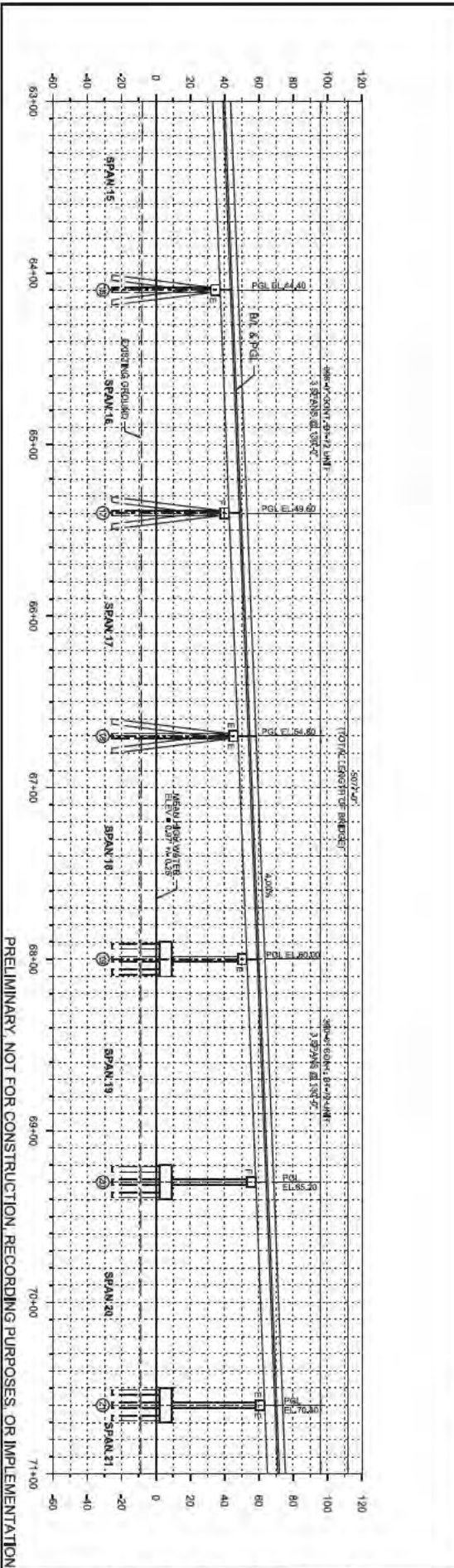
PROJECT	WOLF BAY BRIDGE PROJECT CITY OF ORANGE BEACH
SHEET TITLE	GENERAL PLAN & ELEVATION

DESIGNED	DH	SCALE	1" = 30'
CHECKED	AJ	PROJECT NUMBER	OB.18.004
DATE	01-25-2019	PLAN SUBMITTAL	PRELIMINARY

BKI
BURK-KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 4701 MAIN STREET, SUITE F-222
 ORANGE BEACH, ALABAMA 36555
 PHONE (251) 652-2410 FAX (251) 652-2411

SHEET NUMBER	303
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PRELIMINARY, NOT FOR CONSTRUCTION RECORDING PURPOSES, OR IMPLEMENTATION

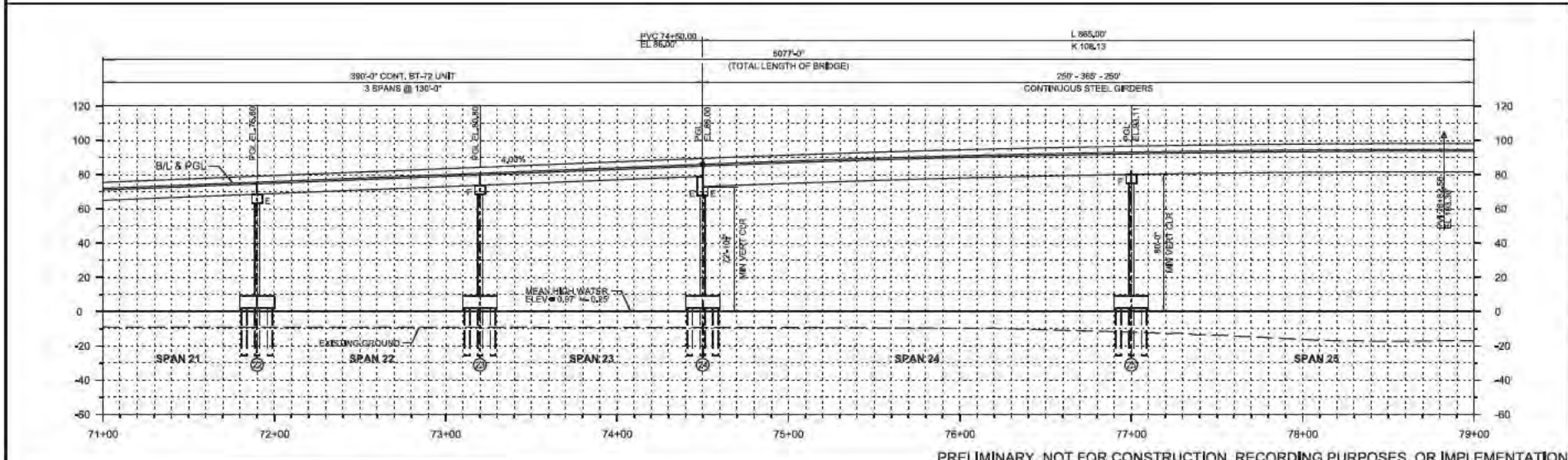
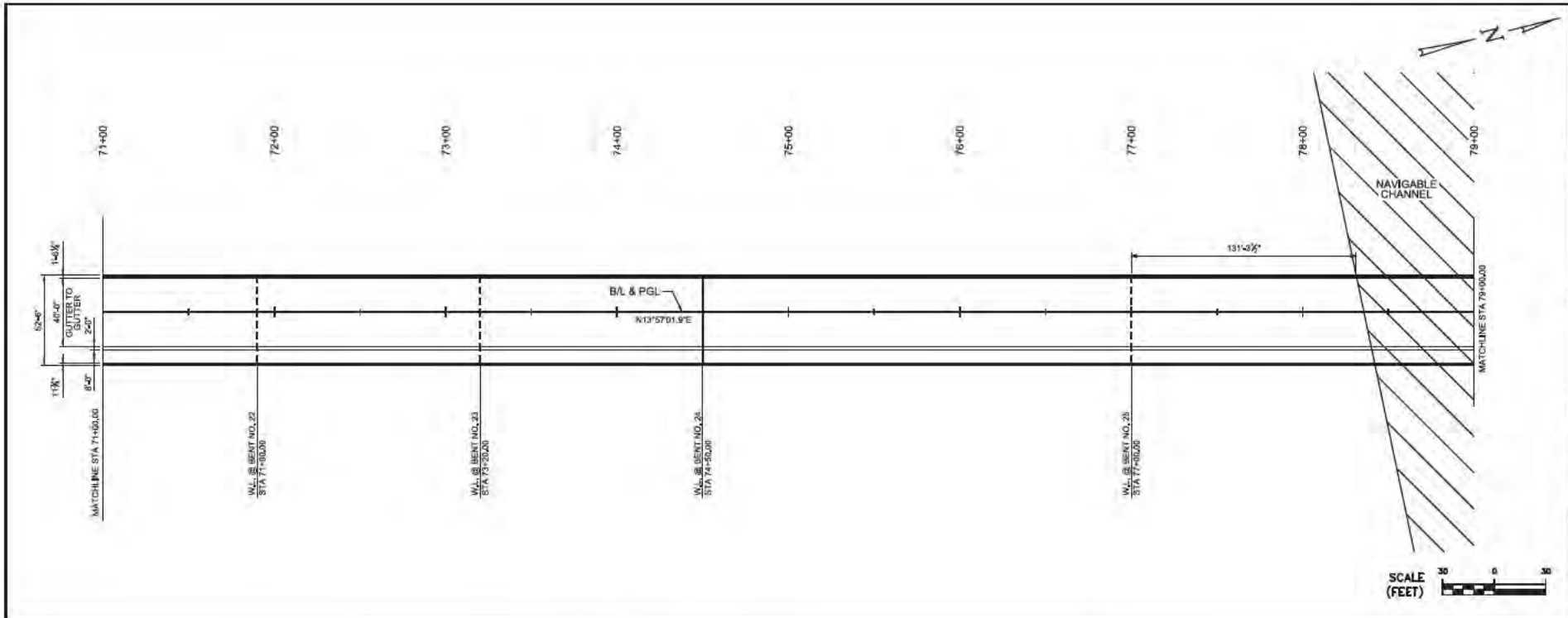


PROJECT	WOLF BAY BRIDGE PROJECT CITY OF ORANGE BEACH
SHEET TITLE	GENERAL PLAN & ELEVATION

DESIGNED	DH	SCALE	1" = 30'
CHECKED	AJ	PROJECT NUMBER	OB.18.004
DATE	01-25-2019	PLAN SUBMITTAL	PRELIMINARY

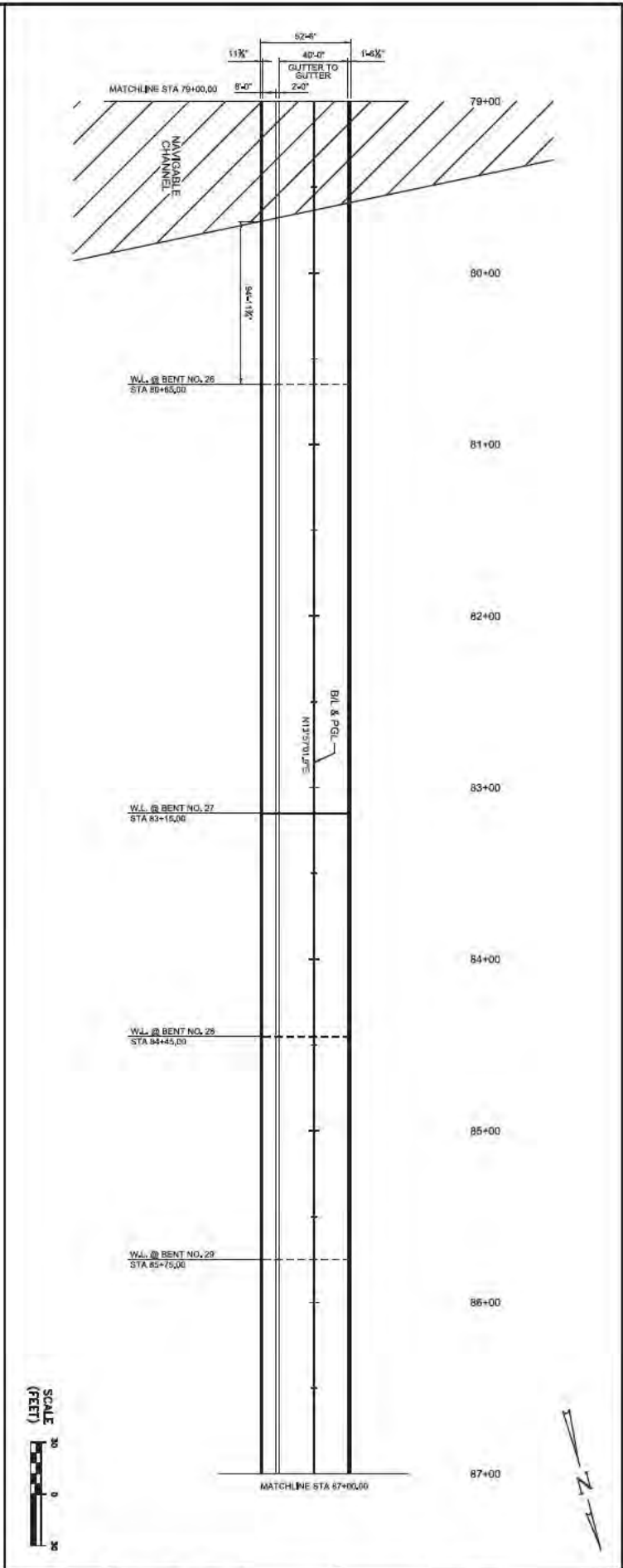
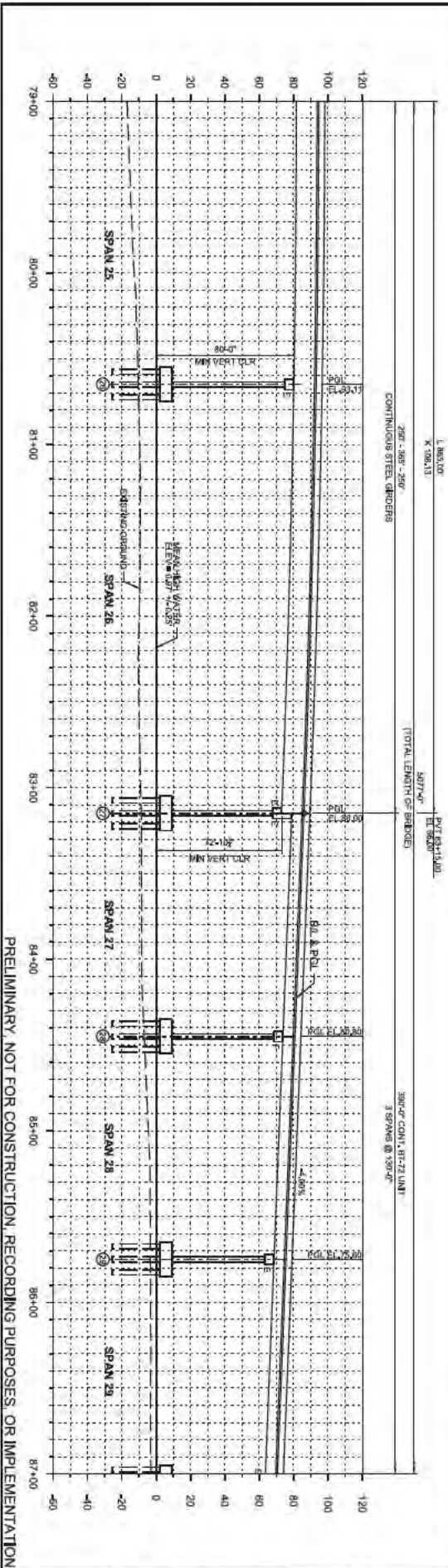
BKI
BURK-KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 4701 HAHN STREET, SUITE F-212
 ORANGE BEACH, FLORIDA 32555
 PHONE (251) 652-2410 FAX (251) 652-2411

SHEET NUMBER 304



PRELIMINARY, NOT FOR CONSTRUCTION, RECORDING PURPOSES, OR IMPLEMENTATION

		SHEET NUMBER 305
BURK-KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS 4701 W. 17th Street, Suite 202 Fort Worth, TX 76116-2110, Phone (817) 636-2417		
DESIGNED: DH CHECKED: AJ	SCALE: 1" = 30' PROJECT NUMBER: 08.18.004 DATE: 01-25-2019	PLAN TITLE: PRELIMINARY
PROJECT: WOLF BAY BRIDGE PROJECT CITY OF ORANGE BEACH		PLAN TITLE: GENERAL PLAN & ELEVATION

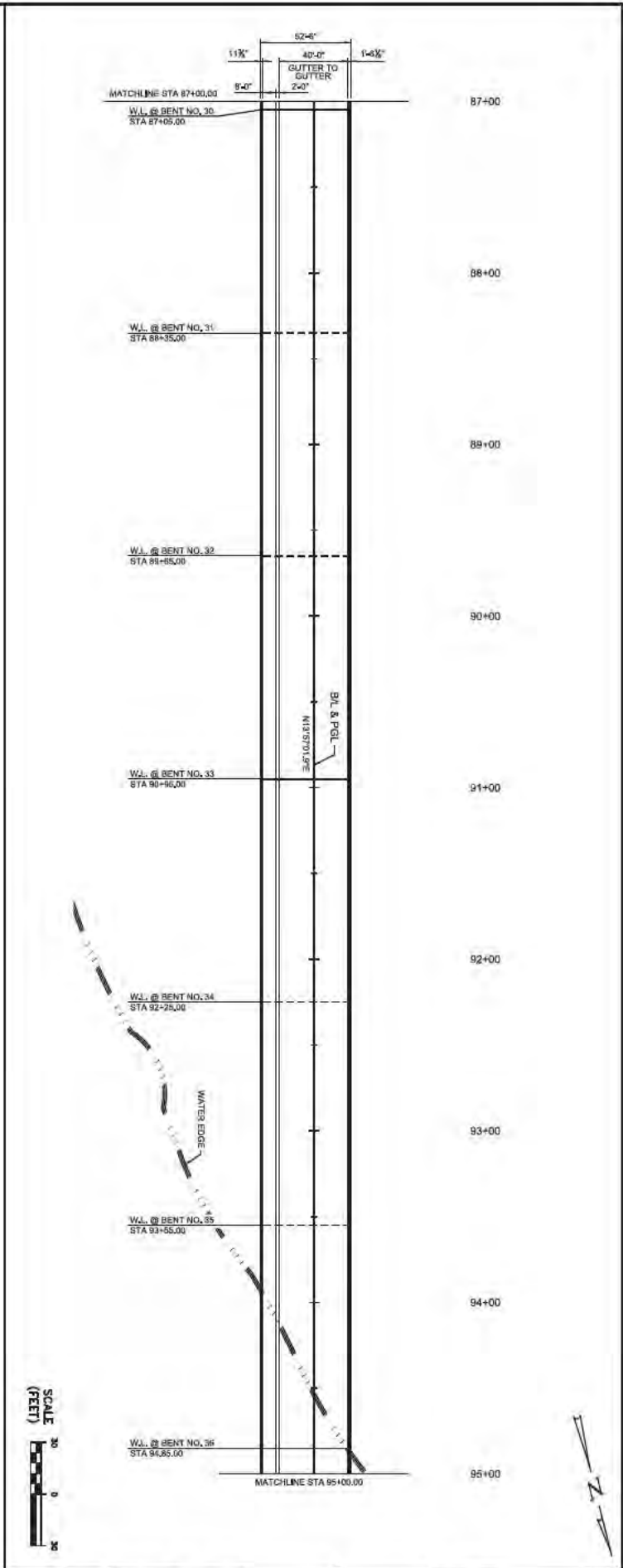
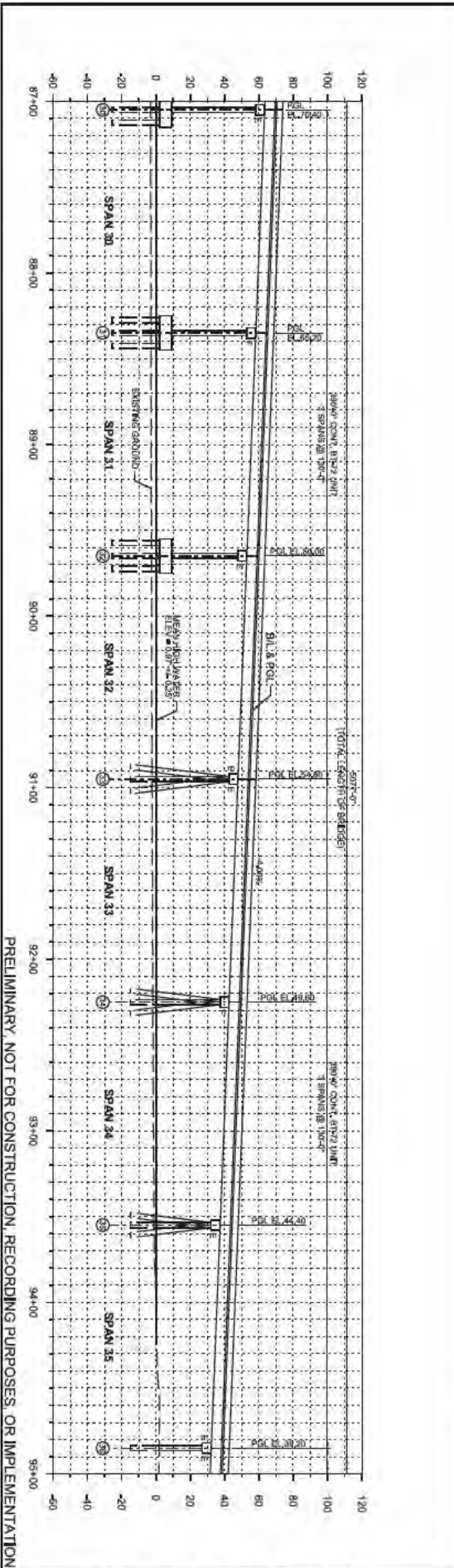


PROJECT	WOLF BAY BRIDGE PROJECT CITY OF ORANGE BEACH
SHEET TITLE	GENERAL PLAN & ELEVATION

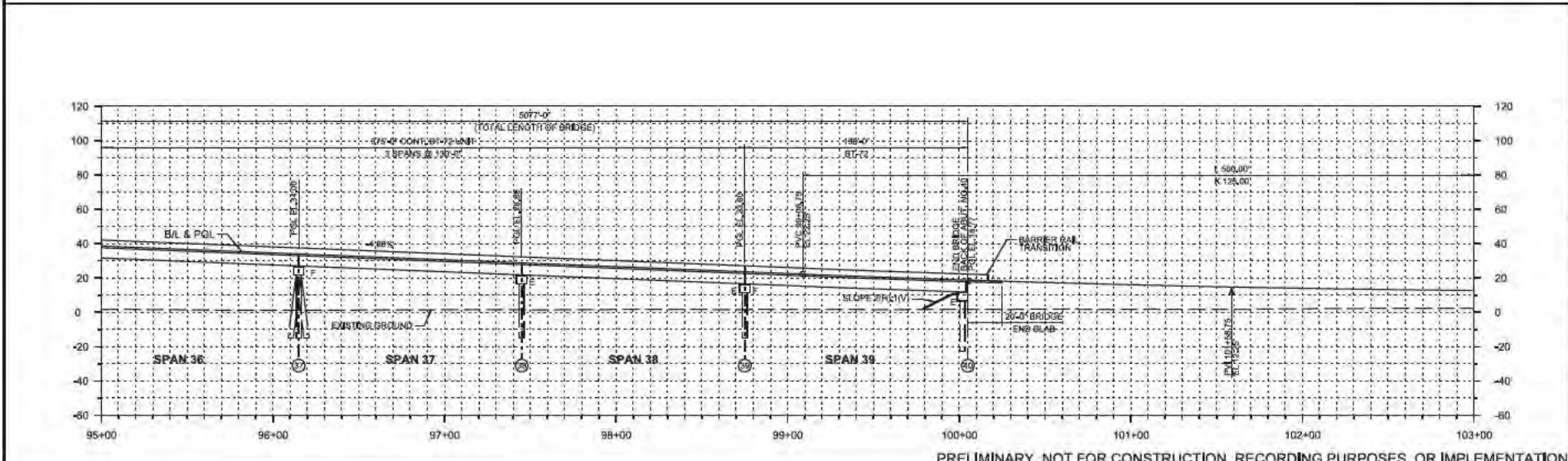
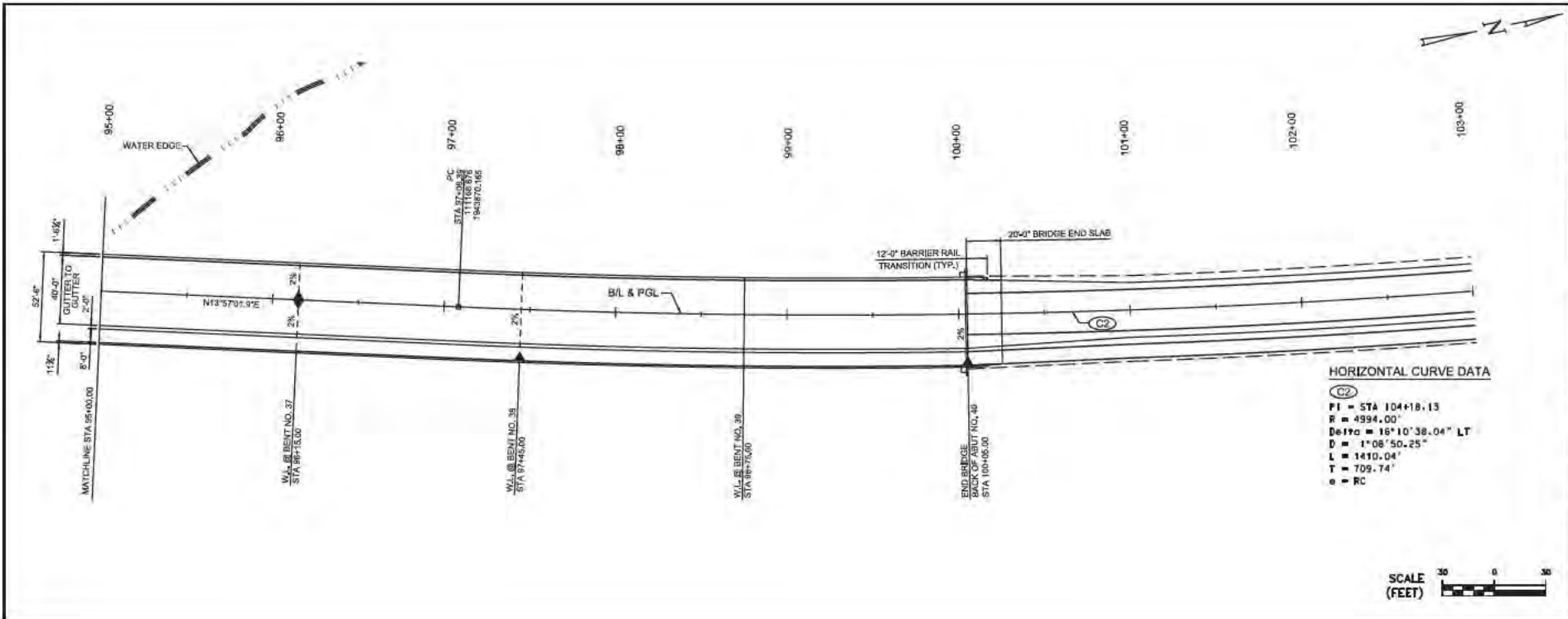
DESIGNED	DH	SCALE	1" = 30'
CHECKED	AJ	PROJECT NUMBER	OB.18.004
DATE	01-25-2019	PLAN SUBMITTAL	PRELIMINARY

BKI
BURK-KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 4701 HIGH 97TH ST, SUITE F-212
 ORANGE BEACH, ALABAMA 36551
 PHONE (251) 652-2410 FAX (251) 652-2411

SHEET NUMBER
306



PROJECT	WOLF BAY BRIDGE PROJECT CITY OF ORANGE BEACH	DESIGNED	DH	SCALE	1" = 30'
		CHECKED	AJ		
		DATE	01-25-2019	PROJECT NUMBER	OB.18.004
SHEET TITLE	GENERAL PLAN & ELEVATION	PLAN SUBMITTAL	PRELIMINARY		
				<small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> 4701 HIGHWAY 97 NORTH, SUITE F-222 ORANGE BEACH, ALABAMA 36555 PHONE (251) 952-2410 FAX (251) 952-2411	
				SHEET NUMBER 307	

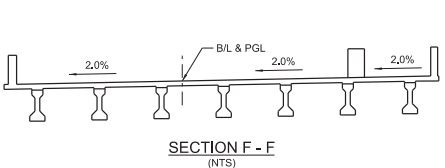
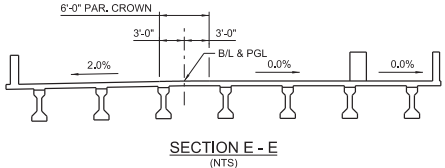
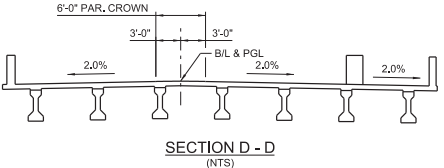
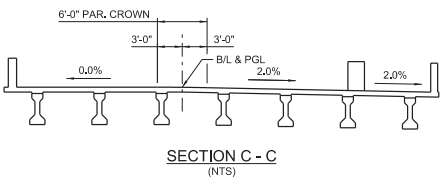
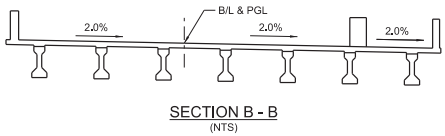
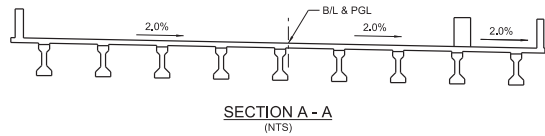
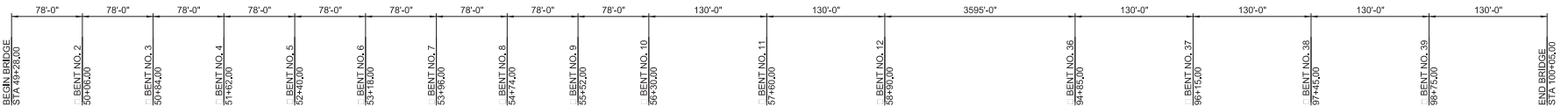
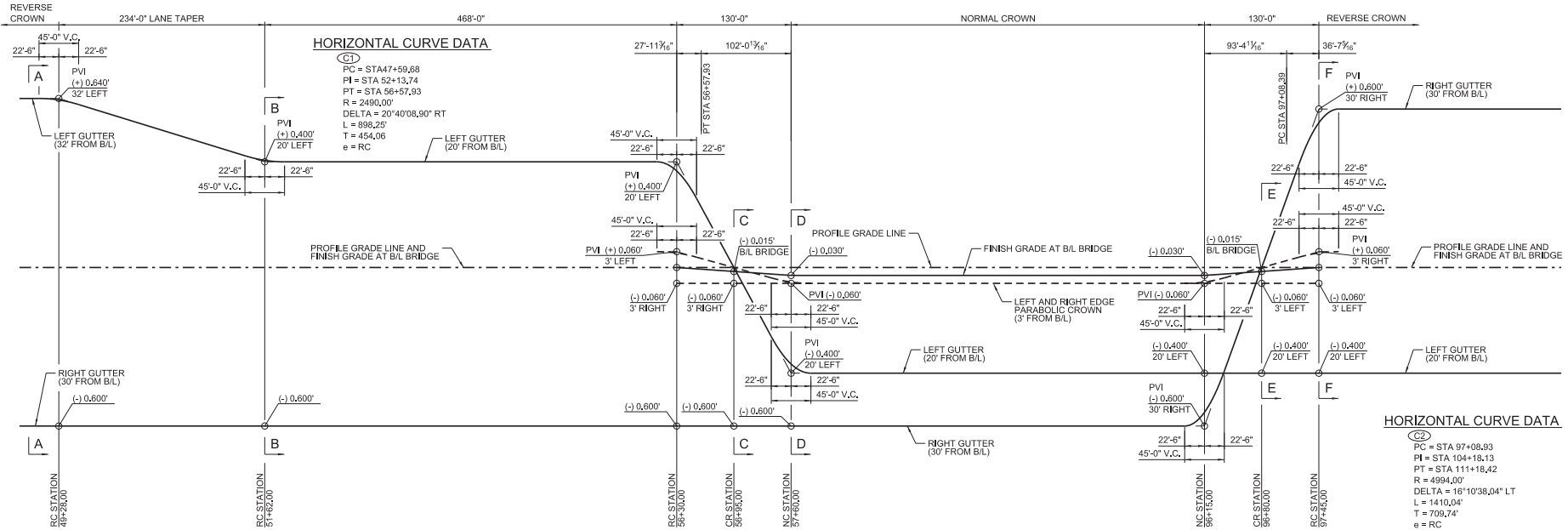


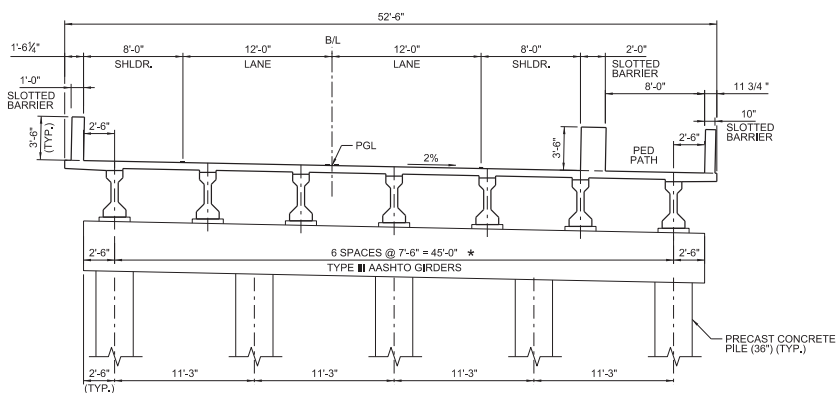
SHEET NUMBER 308

BKI
BURK-KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 4701 W. 17th Street, Suite 202
 Fort Worth, TX 76114
 PHONE: 817.342.2100 FAX: 817.342.2417

SCALE 1" = 30'
 PROJECT NUMBER 08.18.004
 DATE 01-25-2019
 DESIGNED DH
 CHECKED AJ
 PLAN SURMITAL
PRELIMINARY

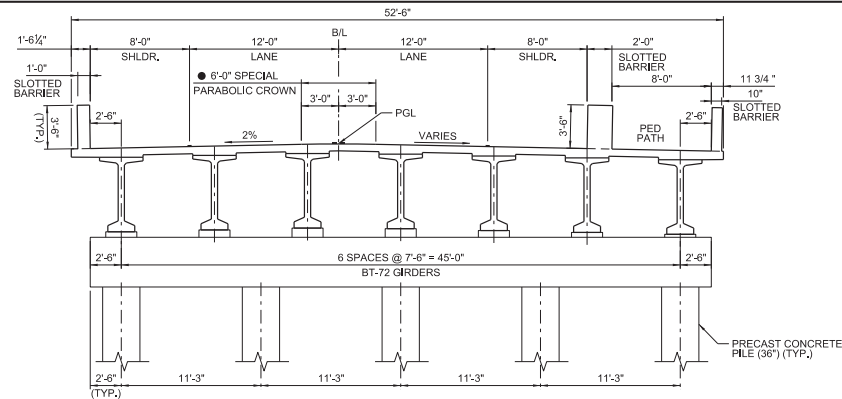
PROJECT **WOLF BAY BRIDGE PROJECT**
CITY OF ORANGE BEACH
 SHEET TITLE **GENERAL PLAN & ELEVATION**





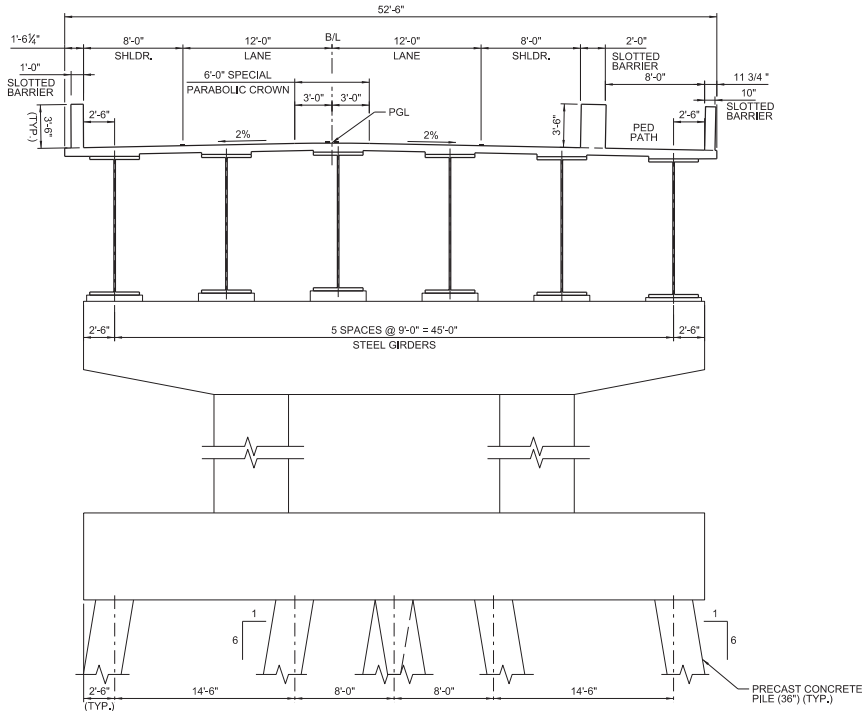
TYPICAL BRIDGE SECTION
 TYPE III AASHTO GIRDERS
 (BENTS 1 THRU 9)
 SCALE: 1" = 5'

* NUMBER OF GIRDERS AND GIRDER SPACING
 VARIES FROM BENT NO. 1 TO BENT NO. 3,
 BENT NO. 4 THRU BENT NO. 9 AS SHOWN.

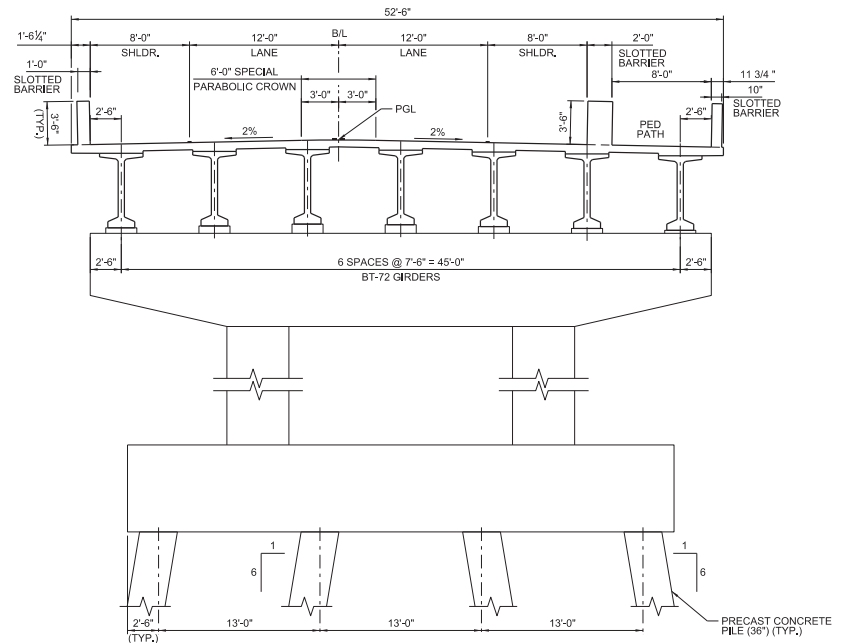


TYPICAL BRIDGE SECTION
 BT-72 GIRDERS
 (BENTS 11 THRU 18, 33 THRU 40)
 SCALE: 1" = 5'

● TYPICAL ONLY AT NORMAL CROWN



TYPICAL BRIDGE SECTION
 STEEL GIRDERS
 (BENTS 25 AND 26)
 SCALE: 1" = 5'



TYPICAL BRIDGE SECTION
 BT-72 GIRDERS
 (BENTS 19 THRU 23, 28 THRU 32)
 SCALE: 1" = 5'

- NOTE:**
1. DIMENSIONS MEASURED ALONG CIL JOINT.
 2. TYPE III & BT THRU 72 GIRDERS ARE ON CHORDS.
 3. DECK OVERHANG VARIES ON CURVED SPANS.
 4. SEE SUPER ELEVATION DRAWING & FRAMING PLAN FOR MORE DETAILS.

PRELIMINARY, NOT FOR CONSTRUCTION, RECORDING PURPOSES, OR IMPLEMENTATION

SHEET NUMBER 310
BKI
 BURK-KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 4740 MAIN STREET, SUITE F-2322
 FORT WORTH, TEXAS 76102
 PHONE: (214) 862-2410 FAX: (214) 862-2417

SCALE 1" = 5'
 PROJECT NUMBER 08.18.004
 DATE 01-25-2019
 DESIGNED DH
 CHECKED JS
 PLAN SUBMITTAL
 PRELIMINARY

PROJECT WOLF BAY BRIDGE AND CONNECTING ROADS PROJECT CITY OF ORANGE BEACH
 SHEET TITLE TYPICAL BRIDGE SECTIONS