DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
100 W. OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3604

August 10, 2021

Regulatory Division
SAS-2009-00344

JOINT PUBLIC NOTICE
Savannah District/State of Georgia

The Savannah 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), as follows:

Application Number: SAS-2009-00344

Applicant: Mr. Eric Duff
State Environmental Administrator
Georgia Department of Transportation
600 West Peachtree Street NW, 16th Floor
Atlanta, Georgia 30308

Location of Proposed Work: In waters and wetlands located along approximately 6.14 miles of State Route (SR) 25/United States Highway (US) 17, 5.9 miles northeast of Brunswick, Glynn County, Georgia. The approximate project mid-point would be located at Latitude 31.2701, Longitude -81.4370.

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers: Georgia Department of Transportation (GDOT), Project Identification Numbers (PI) 0016985, 0009874, and 532650 propose to widen and improve SR 25/US 17 from the intersection of County Road (CR) 372/Yacht Road, north, to approximately 1,000 feet north of the intersection of SR 25/US 17 and SR 99/Grants Ferry Road. The existing two-lane section would be improved to include four 12-foot travel lanes with a 24-foot raised median and 10-foot rural outside shoulders (6.5-foot paved) that would accommodate bicycles. The proposed design speed is 55 miles per hour. Auxiliary turn lanes would be provided at major intersections and proposed median openings. In addition, right turn lanes would be included at all crossroads. The existing bridges along SR 25/US 17 over Thornhill Creek and Wally's Leg Branch would be replaced with new four-lane structures. Both proposed bridge structures would be 60 feet in length and 88 feet in width. The existing right-of-way varies from 70 to 250 feet. The proposed project right-of-way would vary between 200 and 250 feet.

The project would result in impacts to 15.725 acres of wetlands and 503 linear feet of streams. Proposed project impacts would be compensated through the purchase of 0.1 Grandfathered Tidal Wetland Credit, 76.4 Grandfathered Wetland Credits, and 2,700 Grandfathered Stream Credits from Corps approved mitigation banks serving the

Brunswick River – Atlantic Ocean (and Altamaha River – Atlantic Ocean watersheds (Hydrologic Unit Codes 0307020302 and 0307010605, respectively).

BACKGROUND

On June 26, 2017, the Federal Highway Administration (FHWA) approved an Environmental Assessment/Finding of No Significant Impact which covered the entirety of the project under one PI number (PI 532650). PI 532650 was federally funded. Since that time, GDOT has assigned two additional PI numbers, PI 0016895 and PI 0009874 to allow for phased construction. PI 0009874 (a roundabout) would remain federally funded; however, state funding would be used for the SR 25 mainline widening construction for PI 0016895 and PI 532650. Each PI is described below:

- Unit 1 of construction is PI 0016895 - SR 25 from CR 372/Yacht Rd to CR 415/Harry Driggers Boulevard and is approximately 3.86 miles in length.

- Unit 2 of construction is PI 532650 SR 25/US 17 from CR 415/Harry Driggers Boulevard to SR 99 and is approximately 1.78 miles in length.

- Unit 3, PI 0009874, includes the construction of a roundabout at the intersection of SR 25/US17 and SR 99. The roundabout is a rural to urban roundabout in that traffic entering the roundabout in the north or south direction would be two lanes. Exiting the roundabout to continue east or west along SR 99 would be one lane. The roundabout would have a truck apron and 12-foot-wide travel lanes with bicycle and pedestrian accommodations. The center island would be raised and grassed with lighting. The roundabout limits are approximately 0.5 mile in length.

This Joint Public Notice announces a request for authorizations from both the U.S. Army Corps of Engineers and the State of Georgia. The applicant's proposed work may also require local governmental approval.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division (Georgia EPD), will review the proposed project for water quality certification, in accordance with the provisions of Section 401 of the Clean Water Act. Prior to issuance of a Department of the Army permit for a project location in, on, or adjacent to the waters of the State of Georgia, review for Water Quality Certification is required. A reasonable period of time, which shall not exceed on year, is established under the Clean Water Act for the State to act on a request for Water Quality Certification, after which, issuance of such a Department of the Army permit may proceed. The applicant provided notification to Georgia EPD and requested a Section 401 Water Quality Certification pre-filing meeting via email dated July 14, 2021.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

Georgia Coastal Management Program: Prior to the Corps making a final permit decision on this application, the project must be certified by the Georgia Department of Natural Resources, Coastal Resources Division, to be consistent with applicable provisions of the State of Georgia Coastal Management Program (15 CFR 930). Anyone wishing to comment on Coastal Management Program certification of this project should submit comments in writing within 30 days of the date of this notice to the Federal Consistency Coordinator, Coastal Management Program, Coastal Resources Division, Georgia Department of Natural Resources, One Conservation Way, Brunswick, Georgia 31523-8600 (Telephone 912-264-7218).

U.S. ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army Permit.

Cultural Resources Assessment: There were nine (9) historic resources identified within the permit area; of those, one (1), The Gillman House, was demolished; two (2), the Needwood Baptist Church and School and the Hofwyl-Broadfield Plantation, are listed on the National Register of Historic Places (NRHP); six (6) the Miller Farm, Tuya House, Berry House, Aultman Property, Smith House and Store, and the New Hope Plantation, are recommended eligible for inclusion in the NRHP. Twenty-six (26) archaeological sites were identified within the permit area; of those one (1), site 9GN433, was identified for impact and mitigated; five (5), 9GN411, 9GN412, 9GN413, 9GN414, 9GN415 were recommended eligible for inclusion in the NRHP; and twenty (20), 9GN416, 9GN417, 9GN418, 9GN419, 9GN420, 9GN422, 9GN423, 9GN425, 9GN426, 9GN427, 9GN429, 9GN430**,** 9GN431, 9GN432, 9GN434, 9GN435, 9GN436, 9GN437, 9GN438, and 9GN87, were recommended as unknown eligibility for inclusion in the NRHP due to a lack of significant date potential.

A GDOT memo to file was completed on May 28, 2021, referencing a FHWA No Adverse Effect to Historic Properties determination transmitted to the State Historic Preservation Officer (SHPO) on October 18, 2016. By letter dated November 3, 2016, the SHPO concurred with FHWA’s finding of no adverse effect to historic resources

A GDOT In-House Survey Report and an Addendum to a previous Archaeological Survey Report was submitted to the SHPO on June 23, 2021. A Memorandum of Agreement was executed by the SHPO, FHWA, and GDOT in April 2017 as evidence that the lead federal agency has taken into account the effects of the undertaking on historical properties and afforded the Advisory Council on Historic Preservation (ACHP)

an opportunity to comment to mitigate the adverse effects. ACHP concurrence was received on July 12, 2021.

Essential Fish Habitat (EFH): EFH is present within the project survey area. The following resources with tidal influence have been classified as EFH: Canal (CL) 1, Perennial Stream (PS) 2, OW 7, and PS 9. CL 1, PS 2, and PS 9 are considered low quality habitat for estuarine-dependent species of the snapper-grouper complex. OW 7 (Thornhill Creek) is considered low-to-moderate quality habitat for estuarine dependent species of the snapper-grouper complex as well as penaeid shrimp, which includes three species of shrimp in the Panaeidae family. Based on a completed EFH Screening Form and supplemental information, a "no effect" determination to EFH was recommended for EFH in CL 1, PS 2, and PS 9 and an "adverse effect" determination to EFH was made for EFH in OW 7.

A request for EFH determination concurrence was sent to NOAA on June 30, 2016, and May 25, 2017. Via correspondence dated June 16, 2017, NOAA concurred with the determination that the project would have an adverse effect on EFH and provided recommendations pursuant to authorities of the Fish and Wildlife Coordination Act and the Magnuson- Stevens Act. Per the June 2017 correspondence, the proposed avoidance and minimization measures, as well as with the purchase of mitigation credits for salt marsh and freshwater wetland impact, would compensate for impacts to EFH. Proposed impacts to salt marsh and freshwater wetlands remain unchanged since the previous determination.

Endangered Species: A review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation tool indicated the following listed species may occur in project area: wood stork (*Mycteria americana*), shortnose sturgeon (*Acipenser brevirostrum*), Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*), North Atlantic right whale (*Eubalaena glacialis*), Kemp's Ridley sea turtle (*Lepidochelys kempii*), West Indian manatee (*Trichechus manatus*), loggerhead sea turtle (*Caretta caretta*), green sea turtle (*Chelonia mydas*), hawksbill sea turtle (*Eretmochelys imbricata*), leatherback sea turtle (*Dermochelys coriacea*), and eastern indigo snake (*Drymarchon couperi*) and eastern black rail (*Laterallus jamaicensis jamiaicensis*).

A determination of "No Effect" was made for the West Indian manatee, eastern indigo snake, green sea turtle, Hawksbill sea turtle, Kemp's Ridley sea turtle, leatherback sea turtle, loggerhead sea turtle, shortnose sturgeon, Atlantic right whale, and Atlantic sturgeon. A determination of "may affect, not likely to adversely affect" was made for the wood stork and eastern black rail. Per this effect determination, informal consultation under of the Section 7 of the Endangered Species Act was completed with the USFWS on July 28, 2021.

Pursuant to Section 7(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. § 1531 et seq.), we request information from the U.S. Department of the Interior,

USFWS, the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NMFS; or, any other interested party, on whether any species listed or proposed for listing may be present in the area.

Public Interest Review: 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, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

Consideration of Public Comments: The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Native American 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 Corps 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 above. 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.

Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

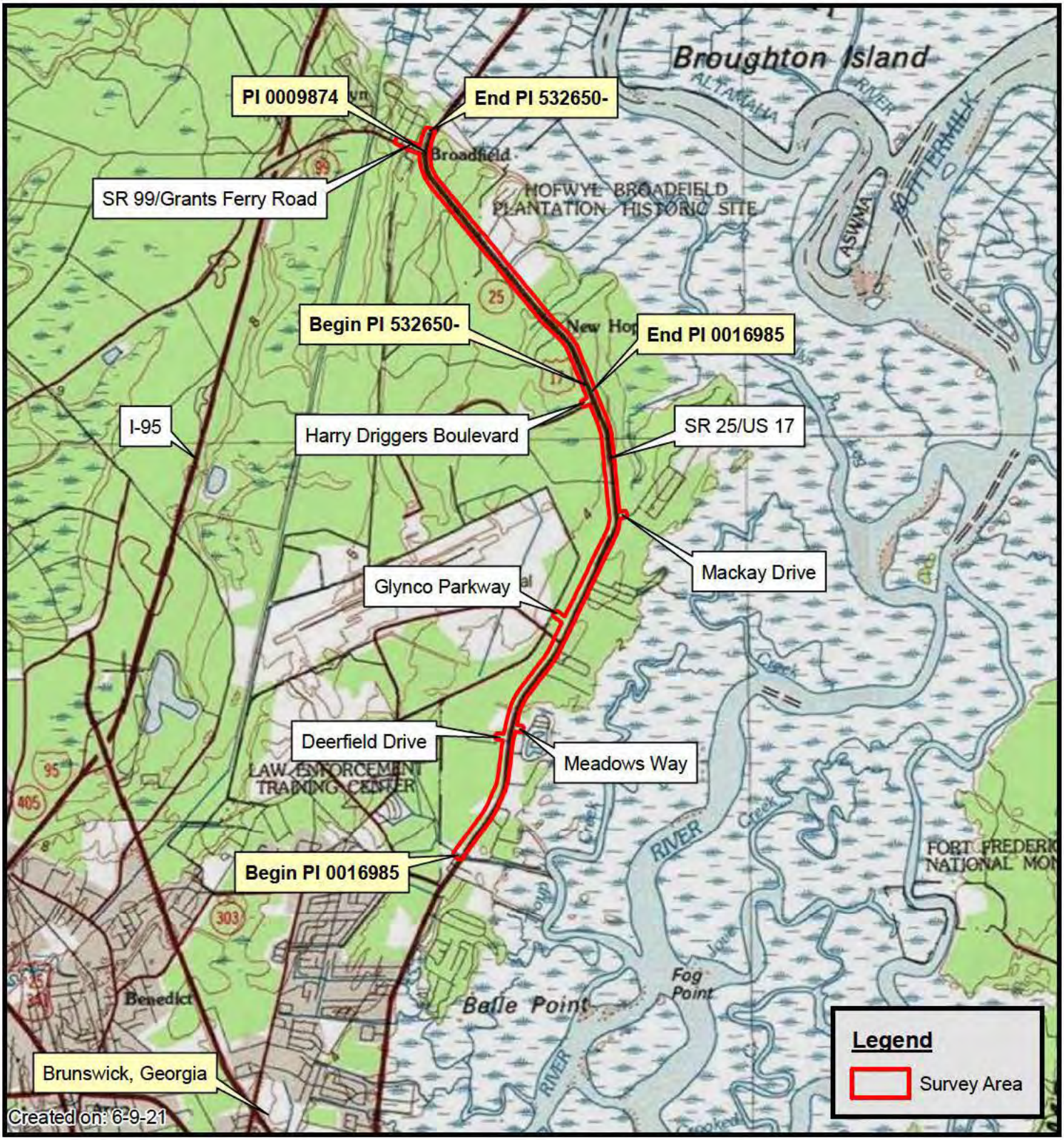
Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

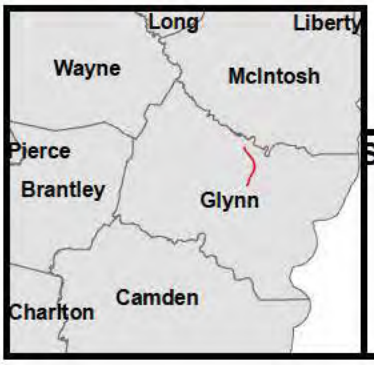
Comment Period: Anyone wishing to comment on this application for a Department of the Army Permit should submit comments by email to brian.moore@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Mr. Brian Moore, 100 W. Oglethorpe Avenue, Savannah, Georgia 31401-3604, within 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mr. Brian Moore, Project Manager, Management Branch at 912-652-5349.

Enclosures

1. Project Vicinity Map
2. Construction Plans with Wetland Impacts





0 2,750 5,500 11,000 16,500

Feet

1 inch = 5,500 feet

SR 25/US 17 Widening and Reconstruction from CR 372/Yacht Road to SR 99/Grants Ferry Road; PI Nos. 0016985, 0009874, 532650 Glynn County, GA

Figure 1: Project Vicinity Map

Source: USGS Brunswick West, Brunswick East, Sterling, and Darien, GA 7.5' Topographic Quadrangles

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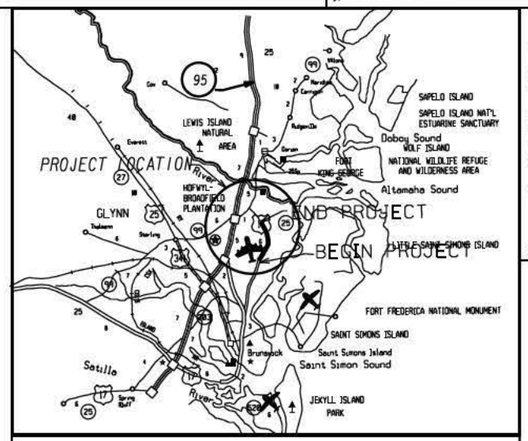
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED
SR25/US17 FROM YACHT ROAD TO HARRY DRIGGERS BOULEVARD GLYNN COUNTY

FEDERAL AID PROJECT



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 13900 (2028)
TRAFFIC A.D.T.: 16950 (2048)
TRAFFIC D.H.V.: 1780 (2048)
DIRECTIONAL DIST: 58%
% TRUCKS: 6%
24 HR. TRUCKS %: 8.0%
SPEED DESIGN: 55 MPH

LOCATION & DESIGN APPROVAL DATE: JUNE 27, 2017

FUNCTIONAL CLASS:
URBAN MINTOR ARTERIAL

THIS PROJECT IS 100% IN GLYNN COUNTY AND IS 100% IN CONG. DIST. NO. 1 .

PROJECT DESIGNATION: EXEMPT

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

FEDERAL ROUTE • US 17
STATE ROUTE • SR 25
P.I. NO. 0016985

SR25/US17
STA 557+17.55
CR 1174/WILL POND WAY
STA 183+11.33

SR25/US17
STA 555+44.18
CR 453/MEADOWS WAY
STA 170+00.00

SR25/US17
STA 551+38.01
CR 861/DEERFIELD DR
STA 165+00.00

SR25/US17
STA 543+29.13
CR 902/JOYCE DR
STA 43+48.72

BEGIN PROJECT/CONSTRUCTION
STA. 501+69.84

CR 372/YACHT RD

SR25/US17
STA 519+95.14
CR 371/STUART RD
STA 10+00.00

SR25/US17
STA 526+66.45
CR 955/HONEYBEE LN
STA 24+78.88

SR25/US17
STA 534+72.90
CR 37/PEEK RD
STA 30+00.00

SR25/US17
STA 559+57.09
CR 1176/PHEASANT DR
STA 52+35.34

BEGIN BRIDGE 1
STA. 561+74.00

END BRIDGE 1
STA. 564+54.00

SR25/US17
STA 572+48.61
CR 905/PINEWOOD RD
STA 63+12.73

SR25/US17
STA 577+24.24
CR 1178/WINTON DR
STA 70+00.00

SR25/US17
STA 588+88.54
CR 642/SHERWOOD FOREST CIR.
STA 90+00.00

SR25/US17
STA 593+35.74
CR 642/SHERWOOD FOREST CIR.
STA 100+00.00

SR25/US17
STA 582+10.87
CR 859/JOANN DR
STA 282+39.00
CR 369/SMITH RD
STA 80+00.00

SR25/US17
STA 603+89.96
CR 855/GLYNCO PKWY
STA 215+02.12

MID-POINT COORDINATES
STA 610+39.92
N 457698.308
E 882632.809

SR25/US17
STA 617+55.63
CR 1608/GOODTOWN DR
STA 120+00.00

SR25/US17
STA 621+71.92
CR 367/HELMICH DR
STA 130+00.00

SR25/US17
STA 596+66.44
CR 452/BLUEBERRY RD
STA 115+40.17

SR25/US17
STA 625+12.97
CR 644/NORTH END DR
STA 140+00.00

SR25/US17
STA 650+62.00
CR 884/MACKAY DR
STA 220+00.00

SR25/US17
STA 647+27.45
CR 895/TUPELO CIR
STA 189+99.84

STA 704+00.00
PROJECT MATCHLINE PI# 0016985 & PI# 532650-
END FULL WIDTH CONSTRUCTION
BEGIN TIE-IN ALIGNMENT
STA 1704+00.00

SR25/US17
STA 698+66.79
CR 415/HARRY DRIGGERS BLVD.
STA 200+00.00

END PROJECT/CONSTRUCTION
STA. 1719+10.00

SR25/US17
STA 702+06.95
CR 1179/WHIPPORWILL LN
STA 229+99.98

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

PLANS PREPARED BY: MARISHA PENA, E.I.T.
DESIGN

RECOMMENDED FOR SUBMISSION BY: CAROL BOWLER, P.E.
DESIGN

RECOMMENDED FOR APPROVAL BY:
STATE DESIGN ENGINEER

DATE CHIEF ENGINEER

PLANS COMPLETED	- -
REVISIONS	

LENGTH OF PROJECT	COUNTY No.127 Project No. 0016985 MILES
NET LENGTH OF ROADWAY	4.064
NET LENGTH OF BRIDGES	0.053
NET LENGTH OF PROJECT	4.117
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	4.117

SCALE IN FEET
0 1000 2000 4000

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

DRAWING No. 01-0001

5/14/2021 9:58:24 AM | GPLOT-V8 | 0016985_13-0001.dgn | P.I. No. 0016985

01006507 | gplotborder-V8i-PD.tbl

GDOT

PAVED DRAIN

PARKING

28 GLYNN SERVICES, INC.

01 DON NUNN

02 MICHAEL & BEVERLY YOAK

STA. 503+32.74
111.009' LT

STA. 503+41.06
115.167' LT

STA. 503+64.43
14.388' LT

STA. 502+49.49
110.776' LT

STA. 503+64.52
110.850' LT

STA. 502+20.33
139.791' LT

STA. 501+92.71
139.705' LT

505'00

510'00

STA. 510+37.67
139.705' LT

STA. 510+65.30
139.791' LT

STA. 510+15.23
111.267' LT

STA. 510+93.91
111.318' LT

DRAINAGE APPROXIMATE

CULVERT APPROX.

EXIST R/W

STA. 501+69.84
110.726' LT

BEGIN PROJECT
BEGIN MILLING/OVERLAY
AND WIDENING
STA. 501+69.84

END MILLING/OVERLAY AND WIDENING
BEGIN FULL DEPTH CONSTRUCTION
STA. 511+25

R 35

R 39

6'6" PAVED SHOULDER

SR25/US17

N35°49'54.92"E

ESA-PERENNIAL STREAM 2

ESA-25' BUFFER 2

ESA-WETLAND 3

YACHT RD

ESA-CANAL 1

ESA-BUFFER 1

WL 3: 0.006 acre clear

MATCH LINE STA. 514+00 DRAWING No. 13-0002

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN
SR25/US17 YACHT ROAD TO HARRY DRIGGERS BLVD
STA. 502+00 TO STA. 514+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0001

7/31/2015 GPLH

6/14/2021 9:38:40 AM GPLOT-V8 0016985_13-0002.dgn P.I. No. 0016985
01006507 gplotborder-V81-PG.tbl

MATCH LINE STA. 514+00 DRAWING No. 13-0001

MATCH LINE STA. 528+00 DRAWING No. 13-0003

WL 3: 0.016 acre Clear

PS 4: 122 LF Fill/Culvert

PS 4: 88 LF Dewatering

WL 3: 0.01 acre Fill

WL 3: 0.24 acre Fill

WL 3: 0.014 acre Fill

WL 3: 0.02 acre Clear

PS 5: 8 LF Fill

PS 5: 13 LF Dewatering

WL 3: 0.08 acre Clear

28 GLYNN SERVICES, INC.

04 CHURCH FENGYING HUANG & STEVEN FRIEND

07 WILLIAM & MARILY ANDERSON

10 JOSE TUYA

44 SLADE & FRANCES WALTERS

92 JAMMIE & CRAIG POPPELL

09 MARTHA & WILLIAM MILLER

08 ST. SIMONS HOSPITALITY INC

06 LINDA THROWER WALKER, WANDA THROWER JORDAN, BRENDA THROWER PARKER

11 PAUL DANIELS

11R PAUL DANIELS

13 MAGGIE JMERSON

12 DAVID & TINA DANIELS

NON-BUFFERED STATE WATER A

ESA-BUFFERED STATE WATER A

ESA-25' BUFFER A

ESA-25' BUFFER B

ESA-25' BUFFER 5

ESA-WETLAND 3

ESA-PERENNIAL STREAM 5

ESA-PEREN

EXIST R/W

REQ'D R/W

REMOVE BASE AND PAVEMENT. GRADE AND DRESS TO DRAIN AND THEN GRASS.

LIMIT OF CONSTRUCTION Honeybee Lane STA. 22+37.29

LIMIT OF CONSTRUCTION Stuart Rd STA. 12+12.29

LIMIT OF CONSTRUCTION Old Belle Point Rd STA. 151+59.00

SR 25/US17 STA. 524+59.60

SR 25/US17 STA. 526+66.45

Honeybee Lane STA 24+78.88

OLD BELLE POINT RD

STUART RD

HONEYBEE LANE

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

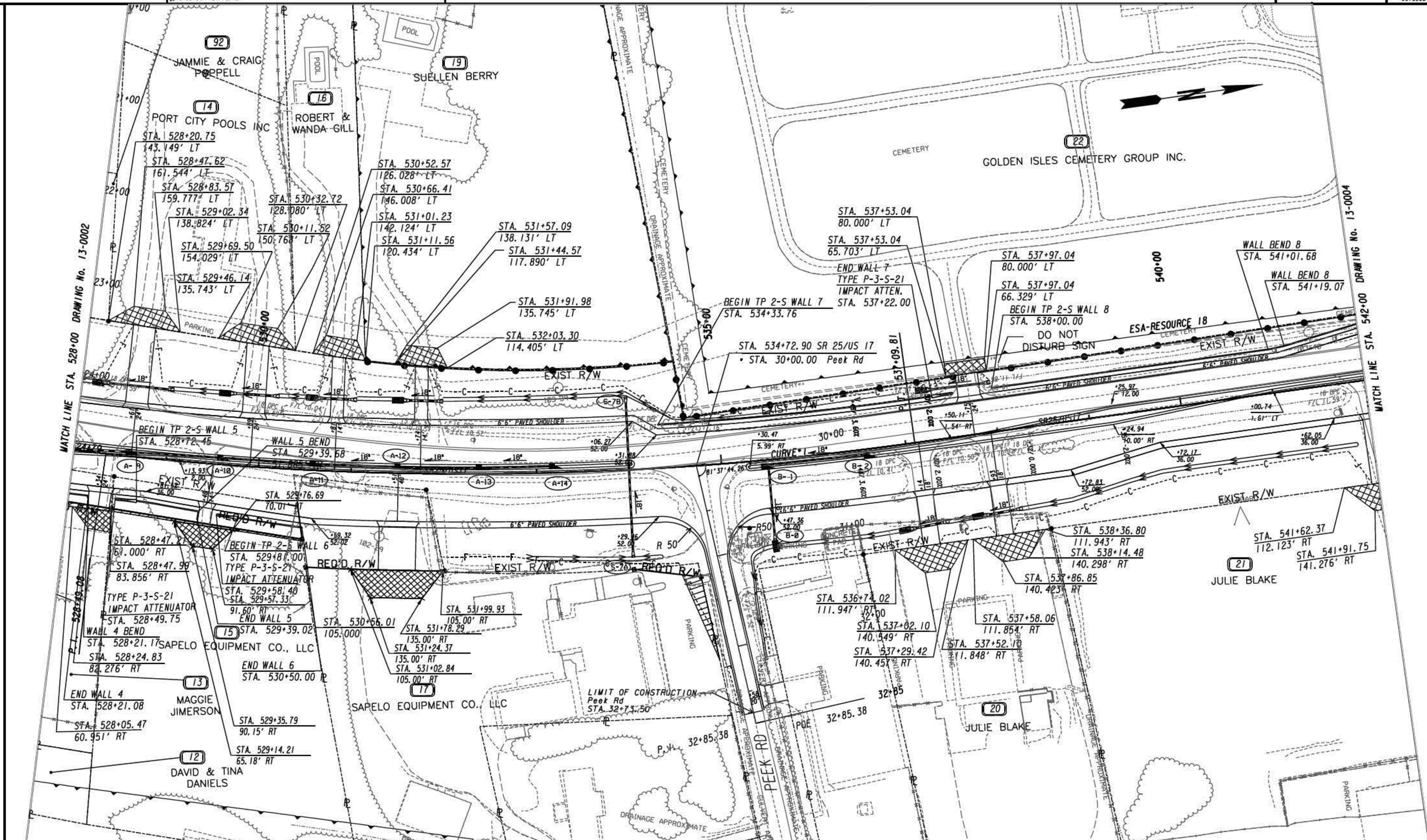
REVISION DATES
05/07/21
05/28/21
06/14/21

MAINLINE PLAN

SR25/US17 YACHT ROAD TO HARRY DRIGGERS BLVD
STA. 514+00 TO STA. 528+00

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN


JAMMIE & CRAIG POPPELL
SUELLEN BERRY
PORT CITY POOLS INC
ROBERT & WANDA GILL
GOLDEN ISLES CEMETERY GROUP INC.
CEMETERY
STA. 528+20.75 143.149' LT
STA. 528+47.62 161.544' LT
STA. 528+83.57 159.777' LT
STA. 529+02.34 138.824' LT
STA. 529+69.50 154.029' LT
STA. 529+46.14 135.743' LT
STA. 530+32.72 128.080' LT
STA. 530+11.52 150.763' LT
STA. 530+52.57 126.028' LT
STA. 530+66.41 146.008' LT
STA. 531+01.23 142.124' LT
STA. 531+11.56 120.434' LT
STA. 531+57.09 138.131' LT
STA. 531+44.57 117.890' LT
STA. 531+91.98 135.745' LT
STA. 532+03.30 114.405' LT
BEGIN TP 2-S WALL 7 STA. 534+33.76
STA. 534+72.90 SR 25/US 17 = STA. 30+00.00 Peek Rd
STA. 537+53.04 80.000' LT
STA. 537+53.04 65.703' LT
END WALL 7 TYPE P-3-S-21 IMPACT ATTEN. STA. 537+22.00
STA. 537+97.04 80.000' LT
STA. 537+97.04 66.329' LT
BEGIN TP 2-S WALL 8 STA. 538+00.00
DO NOT DISTURB SIGN
ESA-RESOURCE 18
WALL BEND 8 STA. 541+01.68
WALL BEND 8 STA. 541+19.07
EXIST R/W
6'6" PAVED SHOULDER
SR25/US17
CURVE 1
BEGIN TP 2-S WALL 5 STA. 528+72.45
WALL 5 BEND STA. 529+39.68
MATCH LINE STA. 528+00 DRAWING No. 13-0002
MATCH LINE STA. 542+00 DRAWING No. 13-0004
STA. 529+76.69 70.01' RT
REQ'D R/W
BEGIN TP 2-S WALL 6 STA. 529+81.00
TYPE P-3-S-21 IMPACT ATTENUATOR
STA. 529+58.40 STA. 529+57.33 91.60' RT
END WALL 5 STA. 529+39.02
STA. 530+56.01 105.000'
STA. 531+99.93 105.00' RT
STA. 531+78.29 135.00' RT
STA. 531+24.37 135.00' RT
STA. 531+02.84 105.00' RT
STA. 528+47.21 61.000' RT
STA. 528+47.99 83.856' RT
TYPE P-3-S-21 IMPACT ATTENUATOR STA. 528+49.75
WALL 4 BEND STA. 528+21.17
STA. 528+24.83 82.276' RT
END WALL 4 STA. 528+21.08
STA. 528+05.47 60.951' RT
SAPELO EQUIPMENT CO., LLC
MAGGIE JIMERSON
END WALL 6 STA. 530+50.00
STA. 529+35.79 90.15' RT
STA. 529+14.21 65.18' RT
DAVID & TINA DANIELS
SAPELO EQUIPMENT CO., LLC
LIMIT OF CONSTRUCTION Peek Rd STA. 32+73.50
PEEK RD
DRAINAGE APPROXIMATE
STA. 536+74.02 111.947' RT
STA. 537+02.10 140.549' RT
STA. 537+29.42 140.451' RT
STA. 537+52.10 111.848' RT
STA. 537+58.06 111.854' RT
STA. 537+86.85 140.423' RT
STA. 538+14.48 140.298' RT
STA. 538+36.80 111.943' RT
STA. 541+62.37 112.123' RT
STA. 541+91.75 141.276' RT
JULIE BLAKE
JULIE BLAKE
PARKING
POOL

BEGIN LIMIT OF ACCESS............BLA	PROPERTY AND EXISTING R/W LINE	
END LIMIT OF ACCESS.............ELA	REQUIRED R/W LINE	
LIMIT OF ACCESS	CONSTRUCTION LIMITS	
REQ'D R/W & LIMIT OF ACCESS	EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
ORANGE BARRIER FENCE	EASEMENT FOR CONSTR OF SLOPES	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	EASEMENT FOR CONSTR OF DRIVES	

GDOT

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES 05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 528+00 TO STA. 542+00

CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCH LINE STA. 542+00 DRAWING No. 13-0003

MATCH LINE STA. 556+00 DRAWING No. 13-0005

JOYCE DR

DEERFIELD DR

MEADOWS WAY

22 GOLDEN ISLES CEMETERY GROUP, INC. SEE SHEET 7

23 CAPSTONE ASSETS LLC SEE SHEET 9

24 JERRY & SHIRLEY BRADFORD SEE SHEET 9

104 JERRY BRADFORD & JOSEPHINE LANE SEE SHEET 9

25 DIXIE V. MCCOY AND THOMAS L. MCCOY SEE SHEET 9

27 RACHAEL LATHAM SEE SHEET 9

29 THE ESTATE OF DONALD SAWYER SEE SHEET 9

30 WALTER & LYNDA GOODBREAD SEE SHEET 9,10

21 JULIE BLAKE SEE SHEET 7

26 EXECUTIVE COMMITTEE OF BWK POST #9 OF AMERICAN LEGION SEE SHEET 9

TENNIS COURT

POOL

DRAINAGE APPROXIMATE

CULVERT APPROX.

PARKING

CEMETERY

LIMIT OF CONSTRUCTION Joyce Drive STA. 41+35.82

LIMIT OF CONSTRUCTION Deerfield Dr STA. 162+99.77

LIMIT OF CONSTRUCTION Meadows Way STA. 171+13.67

DO NOT DISTURB EXISTING FENCE

TREES TO REMAIN

END TYPE 2 WALL

IMPACT ATTEN STA. 542+55.22

END FULL DEPTH CONSTRUCTION BEGIN MILL AND OVERLAY STA. 552+50

FENCE EASEMENT BEGIN FENCE 553+00 END FENCE 555+24.50

DE10692 DE10693 DE10694 DE10615 DE10616

SA-RESOURCE 16

REQ'D R/W

EXIST R/W

6'-6" PAVED SHOULDER

SR25/US17 Joyce Drive STA 543+29.13 STA 43+48.72

SR 25/US17 STA 555+44.18 Meadows Way STA 170+00.00

STA. 542+00 STA. 542+42.15 112.166' RT

STA. 542+19.37 141.151' RT

STA. 546+93.13 117.271' LT

STA. 546+65.51 117.141' LT

STA. 547+00.65 88.531' LT

STA. 546+42.46 88.841' LT

STA. 547+70.67 109.039' LT

STA. 547+70.69 80.000' LT

STA. 547+33.11 80.001' LT

STA. 548+07.08 108.818' LT

STA. 548+07.08 80.000' LT

STA. 548+29.69 108.905' LT

STA. 548+58.82 80.000' LT

STA. 548+90.55 103.419' LT

STA. 548+66.31 80.000' LT

STA. 549+20.08 103.782' LT

STA. 549+20.09 80.000' LT

STA. 551+38.01 SR 25/US 17 STA. 165+00.00 Deerfield Dr

STA. 551+70.24 186.986' LT

STA. 551+86.06 175.270' LT

STA. 551+86.06 159.400' LT

STA. 551+70.14 146.765' LT

STA. 552+78.82 112.525' RT

STA. 553+01.68 137.578' RT

STA. 553+25.35 138.873' RT

STA. 553+00.84 105.412 RT

STA. 552+98.22 133.674 RT

STA. 553+34.10 133.800 RT

STA. 553+60.63 106.407 RT

STA. 553+28.36 114.054' RT

545+00 550+00 555+00

41+00 42+00 161+00 162+00 163+00 164+00 165+00

R 35 R 50 R 4

CURVE #2

P.I.C.

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD
STA. 542+00 TO STA. 556+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLH

6/14/2021 9:56:10 AM GPLOT-V8 0016985_13-0005.dgn P.I. No. 0016985
01006507 gplotborder-V81-P0.tbl

OW 7: 0.002 acre Fill

PS 9: 24 LF Fill

IS 8: 230 LF Fill

WL 6: 0.08 Fill

30 WALTER & LYNDA GOODBREAD SEE SHEET 8,9

31 MORGANS MILL HOA, INC SEE SHEET 11

32 THE ESTATE OF ROBERT K. TYRER SEE SHEET 11

33 CRAIG & KATHLEEN BRAUER SEE SHEET11 REQ'D R/W

34 MHP BRUNSWICK AIR, LLC SEE SHEET 11

35 MHP BRUNSWICK AIR, LLC/ MIKE WEST, AS TRUSTEE OF SUNRISE LAND TRUST SEE SHEET 11, 12

118 MHP BRUNSWICK AIR, LLC SEE SHEET 11

PHEASANT DR

WILLOW POND WAY

DRAWING No. 13-0004

DRAWING No. 13-0006

MATCH LINE STA. 556+00

MATCH LINE STA. 570+00

ESA-25' BUFFER 7

ESA-OPEN WATER 7/ THORN HILL CREEK

ESA-INTERMITTENT STREAM 8

ESA-PERENNIAL STREAM 9

ESA-WETLAND 6

ESA-25' BUFFER 9

ESA-25' BUFFER LOW TIDE CHANNEL

ESA-LOW TIDE CHANNEL

ESA-RESOURCE 26

LIMIT OF CONSTRUCTION Pheasant STA. 50+01.43

LIMIT OF CONSTRUCTION Willow Pond Way STA. 181+30.00

BEGIN BRIDGE OVER THORNHILL CREEK STA. 561+74.00

END BRIDGE STA. 564+54.00

BEG TP 2-SC WALL 9 STA. 564+54.00

BEG TP 2-SB WALL 9 STA. 566+29.08

END TYPE 2 WALL 9

BEGIN TYPE P-3-S-21 IMPACT ATTENUATOR STA. 566+50.00

APPROACH SLAB 9017R

TYPE I RIPRAP

CURVE #2

REQ'D R/W

EXIST R/W

0.247 acres

ULVERT APPROX.

DRAINAGE APPROXIMATE

BEGIN FULL DEPTH CONSTRUCTION STA 556+50

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21
06/14/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 556+00 TO STA. 570+00

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0005
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

5/14/2021 9:59:22 AM GPLOT-V8 0016985_13-0006.dgn P.I. No.
01006507 gplotborder-V81-PO.tbl 0016985

WL 6: 0.08 acre Fill

WL 6: 0.06 acre Fill

WL 6: 0.14 acre Fill

WL 6: 0.0014 acre Clear

PINE WOOD RD

TRAILER PARK

POOL

DRAINAGE APPROXIMATE

CULVERT APPROX

LIMIT OF CONSTRUCTION PINEWOOD RD STA. 60+85.70

37 NANCY LAZZARA SEE SHEET 13

39 WILLIE & MILDRED ADAMS SEE SHEET 13

40 LAUREL CABANA COURT LLC SEE SHEET 13

SATELLITE DISH

41 GOLDEN SHORES HOLDINGS LLC SEE SHEET 13,14

DE10487 DE10489 DE10488 DE10486 DE10485

END FULL DEPTH CONSTRUCTION STA. 570+75

REQ'D R/W

EXIST R/W

ESA-WETLAND 6

FULL DEPTH STA. 573+80.00

STA. 575+08.46 109.616' LT

STA. 575+31.53 139.185' LT

STA. 575+59.16 138.954' LT

STA. 575+88.13 109.459' LT

STA. 577+24.24 SR 25/US 17 • STA. 70+00.09 Winston Dr

WATCH LINE STA. 570+00 DRAWING No. 13-0005

WATCH LINE STA. 581+00 DRAWING No. 13-0007

CURVE #2 P.I. 63+12.73

R 50 R 35

STA. 571+34.31 86.764' RT

STA. 571+15.69 106.980' RT

STA. 570+85.77 107.093' RT

STA. 570+61.12 85.172' RT

STA. 573+59.95 90.679' RT

STA. 573+38.44 110.713' RT

STA. 573+08.66 110.947' RT

STA. 572+84.70 90.476' RT

FULL DEPTH/OVERLAY STA. 572+50.00

35 MHP BRUNSWICK AIR, LLC/ MIKE WEST, AS TRUSTEE OF SUNRISE LAND TRUST SEE SHEET 10, 11

36 ROBERT & JUDY GASKIN SEE SHEET 13

38 GLORIA STRICKLAND SEE SHEET 13

STA. 572+48.61 SR 25/US 17 • STA. 63+12.73 Pine Wood Rd

P.C. 71+65.85 71+86.07 72+00

P.I. 71+76.00

LIMIT OF CONSTRUCTION WINTON DR STA. 71+35.44

WINTON DR

DRAINAGE APPROXIMATE

CULVERT APPROX

6'6" PAVED SHOULDER

EXIST R/W

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN
SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD
STA. 570+00 TO STA. 581+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0006
VERIFIED:		DATE:		

7/31/2015 GPLN

5/14/2021 9:59:33 AM GPLOT-V8 GO16985_13-0007.dgn P.I. No. 0016985
01006507 gplotborder-V81-PO.tbl GDOT 0016985

WL 6: 0.006 acre Fill

WL 6: 0.26 acre Fill

WL 6: 0.002 acre Clear

WL 6: 0.002 acre Clear

WL 6: 0.04 acre Fill

LIMIT OF CONSTRUCTION Joann STA. 281+09.23

GOLDEN SHORES HOLDINGS LLC SEE SHEET 15

LINDA K. TURNER

MARSHA DUNCAN SEE SHEET 15

THE HUMANE SOCIETY OF SOUTH COASTAL GEORGIA, INC. SEE SHEET 15,16

ROBERT BLAKE SEE SHEET 15

GOLDEN SHORES HOLDINGS LLC P.I. 280+79.97 SEE SHEET 12,13

JOANN DR

CL PROPOSED STA 282+10.87 Joann Dr STA 282+39.00 Smith Rd. STA 80+80.00

REQ'D R/W

EXIST R/W

STA. 588+88.54 SR 25/US 17 • STA. 80+00.00 Sherwood Forest Circle 1

STA. 593+32.64 107.42' LT

STA. 593+06.53 122.00' LT

STA. 592+88.90 120.99' LT

STA. 592+74.30 104.12' LT

FULL DEPTH/OVERLAY STA. 592+00.00

ESA-WETLAND 6

DRAINAGE APPROXIMATE

CURVE #3

6'6" PAVED SHOULDER

STA. 585+52.38 109.519' RT

STA. 585+74.20 131.252' RT

STA. 586+25.35 114.479' RT

STA. 586+02.76 132.927' RT

ESA-OPEN WATER 10

ESA-25' BUFFER 10

NON-BUFFERED STATE WATER B

REMOVE BASE AND PAVEMENT, GRADE AND DRESS TO DRAIN THEN GRASS

MARY M. ALLEN & WILLIAM M. ALLEN, JR. SEE SHEET 12,13

MARGERET PARNELL SEE SHEET 15

ESA-RESOURCE 15

LIMIT OF CONSTRUCTION Smith Rd STA. 82+55.94

SMITH RD

SHERWOOD FOREST CIRCLE

STA. 593+35.74 SR 25/US 17 • STA. 100+00.00 Sherwood Forest Circle 2

LIMIT OF CONSTRUCTION Sherwood Forest Circle 1 STA. 91+44.23

LIMIT OF CONSTRUCTION Sherwood Forest Circle 2 STA. 102+29.70

WATCH LINE STA. 581+00 DRAWING No. 13-0006

WATCH LINE STA. 594+50 DRAWING No. 13-0008

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT 4-)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 581+00 TO STA. 594+50

CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

7/31/2015 GPLN

5/14/2021 9:59:46 AM GPLOT-V8 0016985_13-0008.dgn P.I. No. 0016985
01006507 gplotborder-V81-P0.tbl

WL 6: 0.28 acre Fill
WL 6: 0.002 acre Fill
WL 6: 0.04 acre Clear
WL 6: 0.002 acre Clear
WL 6: 0.10 acre Fill
WL 6: 0.06 acre Clear
WL 6: 0.40 acre Fill

57 THE HUMANE SOCIETY OF SOUTH COASTAL GEORGIA, INC. SEE SHEET 14,15

59 THE ESTATE OF JOSEPH S. DEFOGGI & KIMBERLY D. DEFOGGI SEE SHEET 17

58 JEAN & CHRISTOPHER HUNTER SEE SHEET 17

BRUNSWICK-GLYNN COUNTY DEVELOPMENT AUTHORITY SEE SHEET 17

64 J. NOEL OSTEEN & BILLY N. JONES SEE SHEET 7,18

62 ANNE TUTEN SEE SHEET 17

65 CHATTOWAH OPEN LAND TRUST INC. SEE SHEET 17,18

60 MARY LLOYD SEE SHEET 17

BLUEBERRY ROAD

GLYNCO PKWY

ESA-WETLAND 6

ESA-WETLAND 7

LIMIT OF CONSTRUCTION Blueberry Rd STA. 113+57.26

LIMIT OF CONSTRUCTION Glynco Pkwy STA. 213+25.71

STA. 596+66.38 179.412' LT
STA. 596+45.28 170.739' LT
STA. 596+40.21 155.997' LT
STA. 596+53.11 135.982' LT

FULL DEPTH CONSTRUCTION STA. 596+50

STA. 597+77.81 79.170' RT
STA. 597+56.45 99.379' RT
STA. 597+17.24 100.257' RT
STA. 597+08.19 79.836' RT

STA. 596+66.44 SR 25/US 17 - STA. 115+40.17 Blueberry Rd

STA. 603+89.96 SR 25/US 17 - STA. 215+02.12 Glynco Pkwy

STA. 601+34.82 85.639' RT
STA. 601+12.62 105.693' RT
STA. 600+72.98 106.159' RT
STA. 600+50.27 85.703' RT
STA. 603+51.08 84.974
STA. 603+72.69 108.290
STA. 603+93.55 108.472
STA. 604+11.12 85.108

BEG CONC MEDIAN STA. 603+97.91

TP 7 C&G - 4' CONC MEDIAN

SIGN, TWO GROUNDS LIGHTS AND 6A POWER LIGHT POLE TO BE REMOVED BY ROAD CONTRACTOR UNDER CLEARING AND GRUBBING

EXIST R/W

REQ'D R/W

SR25/US17

6'6" PAVED SHOULDER

DRAINAGE APPROXIMATE

CULVERT APPROX.

PARKING

BILLBOARD

MATCH LINE STA. 594+50 DRAWING No. 13-0007

MATCH LINE STA. 609+00 DRAWING No. 13-0009

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 594+50 TO STA. 609+00

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0008
CORRECTED:	DATE:	
VERIFIED:	DATE:	

7/31/2015 GPLH

WL 6: 0.04 acre Clear

WL 6: 0.20 acre Clear

WL 6: 0.12 acre Clear

WL 6: 0.34 acre Fill

WL 6: 0.56 acre Fill

WL 6: 0.16 acre Fill

LAKE

ESA-WETLAND 6

EVELYN & CARTER RAMSEY
SEE SHEET 19

GLYNN COUNTY
SEE SHEET 19,20

J. NOEL OSTEEN &
BILLY N. JONES
SEE SHEET 16,17

WINDINGSTAIR
SEE SHEET 19

GRACE DILLS
SEE SHEET 19

DORIS DILLS
SEE SHEET 19

CHATTOWAH OPEN
LAND TRUST INC.
SEE SHEET 16,17

LIGHTHOUSE BAPTIST
CHURCH
SEE SHEET 19

HEATHER B. JOSEPH
SEE SHEET 19

JOSHUA T. SOZANSKI
&
MARJORIE SOZANSKI
SEE SHEET 19

VERNON
JACKSON
SEE SHEET
19,20

GOODTOWN DR

HELMICH DR

EXIST R/W

REQ'D R/W

MATCH LINE STA. 609+00 DRAWING No. 13-0008

MATCH LINE STA. 623+00 DRAWING No. 13-0010

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 609+00 TO STA. 623+00

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	13-0009
VERIFIED:	DATE:	

7/31/2015 GPLN

5/14/2021 10:00:10 AM GPLOT-V8 0016985_13-0010.dgn P.I. No. 0016985
01006507 gplotborder-V81-PO.tbl GDOT 0016985

WL 6: 0.14 acre Clear

WL 6: 0.08 acre Clear

WL 6: 0.52 acre Fill

WL 6: 0.24 acre Fill

MATCH LINE STA. 623+00 DRAWING No. 13-0009

MATCH LINE STA. 637+00 DRAWING No. 13-0011

73 GLYNN COUNTY SEE SHEET 18,19

ESA WETLAND 6

STA. 625+12.97 SR 25/US 17
STA. 140+00.60 N End Dr

625+00

630+00

635+00

EXIST R/W

104-61

DRAINAGE APPROXIMATE

6'6" PAVED SHOULDER

FULL DEPTH CONSTRUCTION
STA. 632+04

SR25/US17

R-4

STA. 625+67.91
85.042' RT

STA. 625+68.12
100.395' RT

STA. 625+50.62
85.219' RT

DO NOT DISTURB AT&T CABINETS

STA. 629+30.98
60.000' RT

STA. 629+28.95
91.122' RT

STA. 629+00.07
91.414' RT

REQ'D R/W

R 35

STA. 624+82.83
164.715' RT

STA. 624+65.80
179.483' RT

STA. 624+65.77
195.044' RT

STA. 624+84.00
203.000' RT

132+00

133+00

74 VERNON JACKSON SEE SHEET 18,19

74R VERNON JACKSON SEE SHEET 18,19

75 THE ESTATE OF THOMAS RAMSEY JR SEE SHEET 21

CR 367/NORTH END DR

LIMIT OF CONSTRUCTION N End Dr STA. 141+99.57

76 ALLIE L DAVIS ANTHONY D JONES SEE SHEET 21

STA. 625+90.36
84.96' RT

STA. 626+41.01
84.99' RT

STA. 626+41.01
114.99' RT

STA. 626+13.01
114.99' RT

DO NOT DISTURB WATERLINE PRIVATE

STA. 625+50.53
115.415' RT

142+00

STA. 625+67.79
152.884' RT

STA. 625+50.48
132.335' RT

143+00

STA. 625+50.53
159.997' RT

77 JAMES DAVIS SEE SHEET 21

STA. 627+64.70
76.178' RT

STA. 627+89.00
105.905' RT

STA. 628+15.87
106.888' RT

STA. 628+25.71
98.351' RT

STA. 628+26.76
76.062' RT

STA. 625+67.68
138.969' RT

78 VALERIE & DYLAN HARRISON SEE SHEET 21

STA. 628+66.63
60.000' RT

79 JAMES DAVIS SEE SHEET 21

STA. 630+30.66
75.832' RT

STA. 630+50.66
75.849' RT

STA. 630+50.77
106.615' RT

STA. 630+30.53
107.157' RT

81 JACK & SHEILA MCDONALD SEE SHEET 21

STA. 635+39.50
75.385' RT

STA. 635+39.53
104.301' RT

STA. 635+59.48
75.366' RT

STA. 635+59.93
105.061' RT

STA. 635+79.38
105.223' RT

STA. 635+59.48
75.366' RT

82 THOMAS & RITA WRIGHT SEE SHEET 21,22

STA. 635+79.71
105.061' RT

STA. 635+59.84
105.185' RT

ESA-RESOURCE 25

80 MARY J HOLLAND & ERNEST S BRANNON SEE SHEET 21

ESA-RESOURCE 24

20725

20724

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 623+00 TO STA. 637+00

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0010
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/3/2015 GPLH

WL 6: 0.16 acre Clear

WL 6: 0.06 acre Clear

WL 6: 0.38 acre Fill

WL 6: 0.74 acre Fill

WL 6: 0.30 acre Fill

WL 6: 0.08 acre Fill

WL 6: 0.02 acre Clear

MATCH LINE STA. 637+00 DRAWING No. 13-0010

MATCH LINE STA. 650+00 DRAWING No. 13-0012

ESA-WETLAND 6

EXIST R/W

REQ'D R/W

DEMOLITION EASEMENT

SR 25/US17 STA 647+27.45
Tupelo STA 190+00.00

EASTBOUND

82 THOMAS & RITA WRIGHT SEE SHEET 20,21

83 GUIDING LIGHT MINISTRIES INTERNATIONAL, INC SEE SHEET 23

84 THOMAS & CAROL COX SEE SHEET 23

85 CARL & DAWN SIMPSON SEE SHEET 23

86 MARY OSHEA SEE SHEET 23

87 PAULA PENABADE SEE SHEET 23

88 VAN CAMP ENTERPRISES, LLC SEE SHEET 23,24

DE10606 DE10607 DE10608 DE10609 DE10239 DE10252 DE10426 DE10519 DE10520 DE10462 DE10473

STA. 641+19.38 85.168' RT
STA. 641+43.45 114.717' RT
STA. 641+68.82 115.931' RT
STA. 641+94.67 86.049' RT
STA. 647+16.07 217.752' RT
STA. 647+78.29 262.707' RT
STA. 647+92.09 231.670' RT
STA. 647+92.64 247.279' RT
P.C. 192+97.17
P.T. 193+42.58
P.T. 193+16.97
LIMIT OF CONSTRUCTION Tupelo STA. 192+70.43

DRAINAGE APPROXIMATE

PARKING

SEE SHEET 23

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD

STA. 637+00 TO STA. 650+00

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	13-0011
VERIFIED:	DATE:	

7/31/2015 GPLH

5/14/2021 10:00:34 AM | GPLOT-V8 | 0016985_13-0012.dgn | P.I. No. 0016985
01006507 | gplotborder-V81-P0.tbl

WL 6: 1.9 acre Fill

WL 6: 0.62 acre Clear

WL 6: 0.06 acre Fill

WL 6: 0.02 acre Clear

WL 11: 0.26 acre Fill

WL 11: 0.18 acre Clear

RIVER

ESA-WETLAND 6

ESA-WETLAND 11

ESA-BUFFERED STATE WATER B

ESA-25' BUFFER B

MATCH LINE STA. 650+00 DRAWING No. 13-0011

MATCH LINE STA. 662+50 DRAWING No. 13-0013

STA. 650+62.00 SR 25/US 17
STA. 220+00.00 MacKay

BEGIN FULL DEPTH CONSTRUCTION
STA. 660+25

EXIST R/W

EXIST R/W
STA. 661+43.59
92.557' RT
STA. 661+68.09
121.894' RT

STA. 662+04.01
92.744' RT
STA. 662+03.98
122.950' RT

STA. 652+46.11
95.32' RT
STA. 651+87.13
97.31' RT
STA. 652+45.39
126.75' RT
STA. 652+11.49
125.95' RT

STA. 651+24.87
108.15' RT
STA. 651+09.33
114.64' RT
STA. 651+43.13
158.41' RT
STA. 651+20.35
167.93' RT

88 VAN CAMP ENTERPRISES, LLC
SEE SHEET 22,23

89 PARMATMA KRUPA, LLC
SEE SHEET 22,23

90 TIMOTHY STEVENS
SEE SHEET 25

91 STANLEY & WANDA SMITH
SEE SHEET 25,26

LIMIT OF CONSTRUCTION
MacKay
STA. 222+41.00

REQ'D R/W

DRAINAGE APPROXIMATE

CURVE 4

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN
SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD
STA. 650+00 TO STA. 662+50

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0012

7/31/2015 GPLN

5/14/2021 10:00:46 AM | GPLOT-VB | 0016985_13-0013.dgn | P.I. No. 0016985
01006507 | gplotborder-VB1-PO.tbl

WL 6: 0.02 acre Clear

WL 6: 0.02 acre Fill

WL 6: 0.02 acre Fill

WL 6: 0.08 acre Fill

WL6: 0.04 acre Clear

WL6: 0.62 acre Fill

JACK HARTMAN BLVD.

ESA-WETLAND 6

ESA-WETLAND 6

ESA-WETLAND 6

ESA-RESOURCE 17

MATCH LINE STA. 662+50 DRAWING No. 13-0012

MATCH LINE STA. 677+00 DRAWING No. 13-0014

665+00

670+00

675+00

EXIST R/W

REQ'D R/W

96 MALCOM HARRIS SEE SHEET 27,28

94 ROY SPORES SEE SHEET 27

93 CARL & BETH CARROLL SEE SHEET 27

95 RONNIE L. JONES SEE SHEET 27

97 FERMAN RICKS SEE SHEET 27,28

91 STANLEY & WANDA SMITH SEE SHEET 24,25

CEMETERY

SR25/US17

CURVE #5

STA. 666+55.22 92.171' RT
STA. 666+31.86 123.062' RT
STA. 666+10.38 92.126' RT
STA. 666+08.26 122.795' RT
STA. 663+17.54 92.511' RT
STA. 663+45.89 123.086' RT
STA. 663+73.51 123.399' RT
STA. 663+95.41 92.366' RT
STA. 668+67.31 91.161' RT
STA. 668+91.81 120.497' RT
STA. 669+43.15 91.371' RT
STA. 669+18.59 121.278' RT
STA. 672+40.95 90.584' RT
STA. 672+62.95 110.584' RT
STA. 673+17.11 90.584' RT
STA. 672+95.11 110.584' RT
STA. 674+60.78 90.393' RT
STA. 674+82.45 110.507' RT
STA. 675+25.18 90.879' RT
STA. 675+14.08 110.764' RT

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD
STA. 662+50 TO STA. 677+00

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	13-0013
VERIFIED:	DATE:	

7/3/2015 GPLN

5/14/2021 10:01:00 AM GPLOT-V8 0016985_13-0014.dgn P.I. No. 0016985
01006507 gplotborder-V81-PD.tbl GDOT

WL 12: 0.018 acre Clear

WL 12: 0.18 acre Fill

NON-BUFFERED STATE WATER D

PAVED DRAIN

RETENTION POND

PARKING

UTIL BOX

LAKE

96 MALCOM HARRIS SEE SHEET 29

99 MARK HANLY SEE SHEET 29

101 WILLIAM GRANT SEE SHEET 29

103 NEW LIFE SANCTUARY INC. SEE SHEET 29

105 ANTHONY & ROBBIE EVANS SEE SHEET 29

107 KEITH FLANSBURG & JUDY LOUX SEE SHEET 29

109 JUDY MEADOWS SEE SHEET 29,30

ESA-WETLAND 12

ESA-RESOURCE 22

STA. 677+98.20 112.622' LT
STA. 677+72.94 79.954' LT
STA. 678+25.32 112.524' LT
STA. 678+47.87 80.274' LT
STA. 679+08.29 80.001' LT
STA. 679+34.56 111.037' LT
STA. 679+61.65 109.936' LT
STA. 679+85.96 80.244' LT
STA. 680+00
STA. 681+06.16 85.585' LT
STA. 681+34.73 103.988' LT
STA. 681+61.65 110.788' LT
STA. 681+83.54 79.299' LT
STA. 685+00
STA. 688+32.46 130.614' LT
STA. 688+59.60 129.436' LT
STA. 688+96.47 100.002' LT
STA. 689+78.60 100.759' LT
STA. 689+96.77 128.689' LT
STA. 690+00
STA. 690+19.78 130.759' LT
STA. 690+42.5 109.026' LT
STA. 688+83.80 100.000' LT

REQ'D R/W

EXIST R/W

CURVE 5

SR25/US17

6'6" PAVED SHOULDER

MATCH LINE STA. 677+00 DRAWING No. 13-0013

MATCH LINE STA. 691+00 DRAWING No. 13-0015

S-68

+11.67 36.00

STA. 677+54.75 125.445' RT
STA. 677+31.60 95.247' RT
STA. 678+06.60 98.393' RT
STA. 677+81.13 127.260' RT
STA. 680+43.64 111.018' RT
STA. 680+65.37 141.364' RT
STA. 680+77.36 142.594' RT
STA. 680+91.64 144.056' RT
STA. 681+17.82 116.227' RT
STA. 684+46.41 144.178' RT
STA. 684+46.94 174.625' RT
STA. 684+78.48 145.400' RT
STA. 684+61.17 176.627' RT
STA. 687+00
STA. 687+29.20 135.638' RT
STA. 687+60.34 165.778' RT
STA. 687+86.58 163.565' RT
STA. 688+08.48 126.767' RT
STA. 690+56.35 91.02' RT
STA. 690+82.51 118.62' RT

97 FERMAN RICKS SEE SHEET 26

98 SANDERS SERVICE RENTALS, LLC SEE SHEET 29

100 THOMAS GARCIA SEE SHEET 29

102 SHEILA HAMEL SEE SHEET 29

106 MARK TSCHIRHART SEE SHEET 29

108 LUCILLE & VIRGINIA MUNGIN SEE SHEET 29,30

DRAINAGE APPROXIMATE

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/01/21

MAINLINE PLAN

SR25/US17 YACHT RD TO HARRY DRIGGERS BLVD
STA. 677+00 TO STA. 691+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0014
VERIFIED:		DATE:		

7/31/2015 GPLH

5/14/2021 10:01:13 AM GPLOT-V8 0016985_13-0015.dgn P.I. No. 0016985
01006507 gplotborder-V81-PO.tbl

WL 12: 0.02 acre Clear

WL 12: 0.02 acre Clear

WL 12: 0.02 acre Fill

WL 12: 0.018 acre Fill

109 JUDY MEADOWS

111 MARGARITO & AGUSTIN SANDOVAL

110 WESLEY HEYWARD

108 LUCILLE & VIRGINIA MUNGIN

112 WILLIE WHIPPLE

113 DENISE GARDNER

114 JUDY DRUMPS

115 JACK MCCLOW & THE ESTATE OF MARY MCCLOW

115A JACK MCCLOW & THE ESTATE OF MARY MCCLOW

125 JOHNNY & EUGENIA CLARK

159 BRUCE GUFFEY & KELLY GUFFEY

ESA-WETLAND 12

ESA-RESOURCE 14

ALTAMAHA RD/HARRY DRIGGERS BLVD

WHIPPORWILL LN

MATCH LINE STA. 691+00 DRAWING No. 13-0014

MATCH LINE STA. 705+50 DRAWING No. 13-0016

NON-BUFFERED STATE WATER E
STA 704+00.00 - PROJECT MATCHLINE PI#0016985 & PI#532650-1
END FULL WIDTH CONSTRUCTION
BEGIN TIE-IN ALIGNMENT STA 1704+00.00
NON-BUFFERED STATE WATER F

NON-BUFFERED STATE WATER G

LIMIT OF CONSTRUCTION ALTAMAHA RD STA. 200+93.68

SR 25/US17 STA 702+06.97 WHIPPORWILL LN STA 230+00

SR 25/US17 STA 698+66.79 Althamaha Dr STA 200+00.00

DEMOLITION EASEMENT

STA. 692+28.00 160.497' LT
STA. 692+05.17 127.311' LT
STA. 692+55.20 162.311' LT
STA. 692+82.77 135.403' LT
STA. 694+45.92 149.615' LT
STA. 694+69.65 182.216' LT
STA. 694+96.95 183.344' LT
STA. 695+23.88 155.751' LT
STA. 691+32.62 81.91' RT
STA. 691+08.95 117.64' RT
STA. 694+72.71 70.005' RT
STA. 695+01.25 100.638' RT
STA. 695+51.61 69.997' RT
STA. 695+28.58 100.806' RT
STA. 697+16.23 70.00' RT
STA. 697+16.24 100.56' RT
STA. 697+10.24 100.07' RT
STA. 696+87.42 69.57' RT
STA. 699+45.87 120.21' RT
STA. 699+18.86 120.72' RT
STA. 698+89.92 90.00' RT
STA. 699+68.70 90.00' RT
STA. 702+17.95 153.512' RT
STA. 701+82.04 187.805' RT
STA. 701+95.46 202.482' RT
STA. 702+07.72 190.464' RT
P.C. 230+68.91
P.T. 231+56.19
231+15.14

EXIST R/W

REQ'D R/W

CURVE #5 R 5.01

R 35

DE10361 DE10362 DE10363 DE10364 DE10365 DE10366 DE10367 DE10368 DE10369 DE10375 DE10376 DE10380 DE10423 DE10470 DE10471 DE10642 DE10643 DE10644

CULVERT APPROX

RUINS

SATELLITE DISH

LIMIT OF CONSTRUCTION Whipporwill Ln STA. 231+93.63

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN

SR25/US17 YACHT DR TO HARRY DRIGGERS BLVD

STA. 691+00 TO STA. 705+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0015

7/31/2015 GPLH

5/14/2021 10:01:26 AM GPLOT-V8 GD16985_13-0016.dgn P.I. No. 0016985
01006507 gplotborder-V81-PO.tbl

See resource impacts on plan sheet 13-0003 for PI 532650.

(116) CAROL MCGHEE SEE SHEET 33

(119) CAROL MCGHEE SEE SHEET 33

(122) FRANCES H OVERCASH SEE SHEET 33

(124) CATHERINE NOBLES SEE SHEET 33,34

(114) JUDY DRUMPS SEE SHEET 29,31

(115) JACK MCCLOW & THE ESTATE OF MARY MCCLOW SEE SHEET 30,31

(115A) JACK MCCLOW & THE ESTATE OF MARY MCCLOW SEE SHEET 30,31

(117) ANNIE TATE SEE SHEET 33

(121) ANNIE TATE SEE SHEET 33

(123) JAMES HARRIS ALBERTA H CLARK MACK STEPHENS THELMA S HINES ELMA S BANFIELD FLORA S MEDLOCK WINIFRED S GARNER SEE SHEET 33

(158) DUSTIN & HALEY COLLINS SEE SHEET 33

(126) ALBERTA & JERRY GARDNER SEE SHEET 33,34

(127) JAMMIE V POPPELL SEE SHEET 33,34

ESA-BUFFER 13
ESA-RESOURCE 14
ESA-RESOURCE 12
ESA-OPEN WATER 13
ESA-RESOURCE 13
ESA-RESOURCE 11
ESA-OPEN WATER 15
ESA-BUFFER 15
ESA-WETLAND 16
ESA-WETLAND 14

STA. 705+90.80 113.310' LT
STA. 705+64.99 82.643' LT
STA. 706+17.58 112.402' LT
STA. 706+41.94 82.950' LT
STA. 707+70.19 82.884' LT
STA. 707+95.99 113.500' LT
STA. 708+24.00 113.500' LT
STA. 708+45.07 82.923' LT
STA. 711+39.85 83.214' LT
STA. 711+37.21 113.749' LT
STA. 711+58.08 112.985' LT
STA. 711+82.44 83.533' LT
STA. 713+74.01 113.923' LT
STA. 713+98.19 83.257' LT
STA. 714+00.79 113.016' LT
STA. 714+25.15 83.564' LT
STA. 717+88.50 81.685' LT
STA. 718+16.76 111.063' LT
STA. 718+44.66 108.656' LT
STA. 718+54.40 78.650' LT

STA. 708+83.53 75.18' RT
STA. 708+57.65 105.78' RT
STA. 708+30.87 104.81' RT
STA. 708+06.58 75.30' RT

1710+00
1709+50.00
1715+00
1715+62.26
1713+14.67
1718+09.14
710+00
715+00

EXIST R/W
DRAINAGE APPROXIMATE
CHURCH
CULVERT
PAVED SHOULDER 6.5 FT
CURVE #6
CURVE #7
P.T.
P.C.
REQ'D R/W
DE10684
DE10685
DE10686
DE10687
DE10688
DE10664
DE10665
DE10666
END PROJECT STA. 1719+10.00
STA. 718+99.23 95.00' RT
STA. 719+14.60 111.54' RT
STA. 719+33.98 112.49' RT
STA. 719+47.90 95.38' RT
MATCH LINE STA. 705+50 DRAWING No. 13-0015

WL 14: 0.012 acre Fill

WL 14: 0.06 acre Clear

FULL WIDTH ALIGNMENT SHOWN FOR INFORMATION ONLY.
SEE PI# 532650- FOR ADDITIONAL INFORMATION.

END FULL DEPTH
BEGIN OVERLAY AND WIDENING
STA. 710+76.63

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES
05/07/21

MAINLINE PLAN
SR25/US17 YACHT DR TO HARRY DRIGGERS BLVD
STA. 705+50 TO STA. 720+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

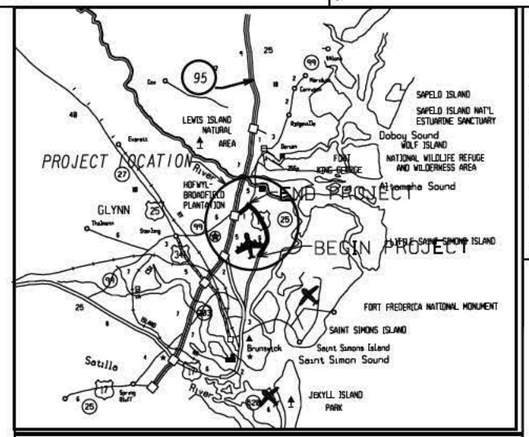
DRAWING No. 13-0016

7/31/2015 GPLH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED
SR25/US17 FROM HARRY DRIGGERS BLVD TO SR99
STP00-0009-02(092)
GLYNN COUNTY

FEDERAL AID PROJECT



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 7100 (2028)
TRAFFIC A.D.T.: 8700 (2048)
TRAFFIC D.H.V.: 840 (2048)
DIRECTIONAL DIST: 64%
% TRUCKS: 6.5%
24 HR. TRUCKS %: 8.0
SPEED DESIGN: 55

LOCATION & DESIGN APPROVAL DATE: JUNE 27, 2017

FUNCTIONAL CLASS:
URBAN MINOR ARTERIAL

THIS PROJECT IS 100% IN GLYNN COUNTY AND IS 100% IN CONG. DIST. NO. 1.

PROJECT DESIGNATION: EXEMPT

DESIGNED IN ENGLISH UNITS.

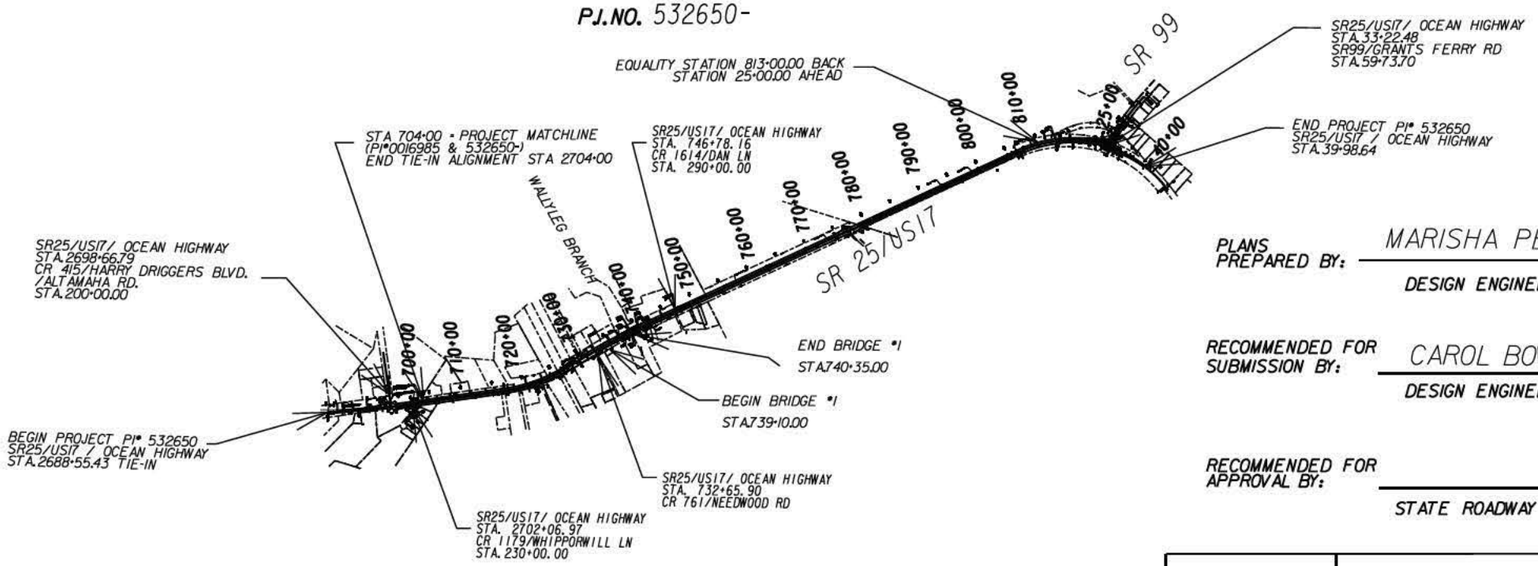
THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

MID-POINT COORDINATES
STA 758+27.67
N=470961.2959
W=880116.6891

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

FEDERAL ROUTE • US17
STATE ROUTE • SR25
P.I. NO. 532650-



LENGTH OF PROJECT	GLYNN COUNTY No.127 Project No. STP000-0009-02(092) MILES
NET LENGTH OF ROADWAY	2.617
NET LENGTH OF BRIDGES	0.024
NET LENGTH OF PROJECT	2.641
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	2.641

SCALE IN FEET
0 1000 2000 4000

PLANS PREPARED BY: MARISHA PENA, E.I.T.
DESIGN ENGINEER

RECOMMENDED FOR SUBMISSION BY: CAROL BOWLER, P.E.
DESIGN ENGINEER GROUP MANAGER

RECOMMENDED FOR APPROVAL BY:
STATE ROADWAY DESIGN ENGINEER

DATE CHIEF ENGINEER

PLANS COMPLETED - -	
REVISIONS	

DRAWING No. 01-0001

See resource impacts on plan sheet 13-0014 for PI 0016985.

NON-BUFFERED STATE WATER D

RETENTION POND

PAVED DRAIN

PARKING

UTIL. BOX

LAKE

99 MARK HANLY

101 WILLIAM GRANT

103 NEW LIFE SANCTUARY INC.

105 ANTHONY & ROBBIE EVANS

107 KEITH FLANSBURG & JUDY LOUX

STA. 679+34.56 111.037' LT

STA. 679+61.65 109.936' LT

STA. 679+85.96 80.244' LT

STA. 681+06.16 85.565' LT

STA. 681+34.73 83.988' LT

STA. 681+61.65 110.788' LT

STA. 681+83.54 79.299' LT

BASIN DESIGN DRAINAGE APPROXIMATE

DETENTION POND

ESA-WETLAND 12

STA. 688+32.46 130.614' LT

STA. 688+06.43 100.002' LT

STA. 688+59.60 129.436' LT

STA. 689+78.60 100.759' LT

STA. 688+83.80 100.000' LT

STA. 689+96.77 128.689' LT

STA. 690+13.78 130.739' LT

STA. 690+42. 109.026' LT

REQ'D R/W

EXIST R/W

BEGIN PROJECT STA. 2688+55.43

2' PAVED SHOULDER

SR25/US17

2' PAVED SHOULDER

MATCH LINE STA. 2691+00 DRAWING No. 13-0002

FULL WIDTH ALIGNMENT SHOWN FOR INFORMATION ONLY SEE PI# 0016985 FOR ADDITIONAL INFORMATION.

STA. 680+43.64 111.018' RT

STA. 680+65.37 141.364' RT

STA. 680+77.36 142.594' RT

STA. 680+91.64 144.056' RT

STA. 681+17.82 116.227' RT

STA. 684+46.41 144.178' RT

STA. 684+46.94 174.625' RT

STA. 684+78.48 145.400' RT

STA. 684+61.17 176.627' RT

STA. 687+29.20 135.638' RT

STA. 687+60.34 165.778' RT

STA. 687+86.58 163.565' RT

STA. 688+08.48 126.767' RT

P.C.

STA. 690+56.35 91.02' RT

STA. 690+82.51 118.62' RT

98 SANDERS SERVICE RENTALS, LLC

100 THOMAS GARCIA

102 SHEILA HAMEL

106 MARK TSCHIRHART

108 LUCILLE & VIRGINIA MUNGIN

ESA-WETLAND 12

ESA-RESOURCE 22

DRAINAGE APPROXIMATE

15 DPC F/L 13.69

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES

MAINLINE PLAN

SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99

STA. 2688+55.43 TO STA. 2691+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0001
VERIFIED:		DATE:		

7/31/2015 GPLH

JUDY MEADOWS

MARGARITO & AGUSTIN SANDOVAL

JUDY DRUMPS

ESA-RESOURCE 14

ESA-WETLAND 12

NON-BUFFERED STATE WATER E
STA 704+00.00 • PROJECT MATCHLINE (PI#0016985 & PI#532650-)
BEGIN FULL WIDTH CONSTRUCTION
END TIE-IN ALIGNMENT STA 2704+00.00
NON-BUFFERED STATE WATER F

ALTAMAHA RD/HARRY DRIGGERS BLVD

LIMIT OF CONSTRUCTION ALTAMAHA RD STA. 200+93.68

SR 25/US17 STA 2702+06.97 WHIPPORWILL LN STA 230+00

SR 25/US17 STA 2698+66.79 Altamaha Dr STA 200+00.00

FULL WIDTH ALIGNMENT SHOWN FOR INFORMATION ONLY. SEE PI# 0016985 FOR ADDITIONAL INFORMATION.

STA. 692+55.20 162.311' LT
STA. 692+82.77 135.403' LT
STA. 692+28.00 160.497' LT
STA. 694+45.92 149.615' LT
STA. 694+69.65 182.216' LT
STA. 694+96.95 183.344' LT
STA. 695+23.88 155.751' LT
STA. 692+05.17 127.311' LT

EXIST R/W

CURVE#1 CURVE#2

6'6" PAVED SHOULDER

N19°35'44.5"W

DE10363 DE10366 DE10367 DE10368 DE10369 DE10375 DE10378 DE10379 DE10380 DE10423 DE10427 DE10428

REQ'D R/W

STA. 691+32.62 81.91' RT
STA. 691+08.95 117.64' RT
STA. 694+72.71 70.005' RT
STA. 695+01.25 100.638' RT
STA. 695+51.61 69.997' RT
STA. 695+28.58 100.806' RT
STA. 697+16.23 70.00' RT
STA. 697+16.24 100.56' RT
STA. 697+10.24 100.07' RT
STA. 696+87.42 69.57' RT
STA. 699+45.87 120.21' RT
STA. 699+18.86 120.72' RT
STA. 698+89.92 90.00' RT
STA. 699+68.70 90.00' RT
STA. 702+17.95 153.512' RT
STA. 702+07.72 190.464' RT
STA. 701+82.04 188.805' RT
STA. 701+95.46 202.482' RT

DEMOLITION EASEMENT

WHIPPORWILL LN

LIMIT OF CONSTRUCTION WHIPPORWILL LN STA. 231+93.63

POB 225.99.98

N22°36'40.0"W

THE ESTATE OF MARY MCCLOW

JACK MCCLOW & THE ESTATE OF MARY MCCLOW

JOHNNY & EUGENIA CLARK

BRUCE GUFFEY & KELLY GUFFEY

SATELLITE DISH

CULVERT APPROX

WATCH LINE STA. 2691+00 DRAWING No. 13-0001

WATCH LINE STA. 705+50 DRAWING No. 13-0003

105

110 WESLEY HEYWARD

108 E & VIRGINIA MUNGIN

112 WILLIE WHIPPLE

113 DENISE GARDNER

115 JACK MCCLOW & THE ESTATE OF MARY MCCLOW

125 JOHNNY & EUGENIA CLARK

139 BRUCE GUFFEY & KELLY GUFFEY

See resource impacts on plan sheet 13-0015 for PI 0016985.

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD TO SR99
STA. 2691+00 TO STA. 705+50

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLH

6/16/2021 11:30:30 AM GPLOT-V8 532650-_13-0003.dgn P.I. No. 532650-
01007642 gplotborder-V81-PO.tbl

WL 16: 0.014 acre Clear

ESA-BUFFER 13
ESA-RESOURCE 14
ESA-RESOURCE 12
ESA-OPEN WATER 13
ESA-RESOURCE 13
ESA-RESOURCE 11
ESA-OPEN WATER 15
ESA-BUFFER 15
ESA-WETLAND 16
ESA-WETLAND 14

116 CAROL MCGHEE
119 CAROL MCGHEE
122 FRANCES H OVERCASH
124 CATHERINE NOBLES
114 JUDY DRUMPS
115 JACK MCCLOW & THE ESTATE OF MARY MCCLOW
115A JACK MCCLOW & THE ESTATE OF MARY MCCLOW
117 ANNIE TATE
121 ANNIE TATE
123 JAMES HARRIS
ALBERTA H CLARK
MACK STEPHENS
THELMA S HINES
ELMA S BANFIELD
FLORA S MEDLOCK
WINIFRED S GARNER
158 DUSTIN & HALEY COLLINS
126 ALBERTA & JERRY GARDNER
127 JAMMIE V POPPELL

STA. 705+90.80 113.310' LT
STA. 705+64.99 82.643' LT
STA. 706+17.58 112.402' LT
STA. 706+41.94 82.950' LT
STA. 707+70.19 82.884' LT
STA. 707+95.99 113.500' LT
STA. 708+24.00 113.500' LT
STA. 708+45.07 82.923' LT
STA. 708+83.53 75.18' RT
STA. 708+57.65 105.78' RT
STA. 708+30.87 104.81' RT
STA. 708+06.58 75.30' RT
STA. 711+39.85 83.214' LT
STA. 711+37.21 113.749' LT
STA. 711+58.08 112.985' LT
STA. 711+82.44 83.533' LT
STA. 713+74.01 113.923' LT
STA. 713+48.19 83.257' LT
STA. 714+00.79 113.016' LT
STA. 714+25.15 83.564' LT
STA. 717+88.50 81.583' LT
STA. 718+16.76 113.063' LT
STA. 718+44.66 108.656' LT
STA. 718+54.40 78.650' LT
STA. 718+99.23 95.00' RT
STA. 719+14.60 111.54' RT
STA. 719+33.98 112.49' RT
STA. 719+47.90 95.38' RT

710+00
715+00
720+00
716+90.44 P.C.
+90.44 36.00
CURVE #3
SR25/US17
EXIST R/W
REQ'D R/W
DRAINAGE APPROXIMATE
CHURCH
CULVERT
ORCHARD
DOCK
6'-6" PAVED SHOULDER
10.00' LT
+25.05
MATCH LINE STA. 705+50 DRAWING No. 13-0002
MATCH LINE STA. 720+00 DRAWING No. 13-0004

See resource impacts on plan sheet 13-0016 for PI 0016985.

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 705+50 TO STA. 720+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0003

7/31/2015 GPLN

6/16/2021 11:30:43 AM GPLOT-V8 532650-_13-0004.dgn P.I. No. 532650-
01007642 gplotborder-V81-PO.tbl

WL 16: 0.02 acre Clear

WL 16: 0.04 acre Fill

MATCH LINE STA. 720+00 DRAWING No. 13-0003

MATCH LINE STA. 734+00 DRAWING No. 13-0005

ESA-WETLAND 16

ESA-RESOURCE 10

ESA-RESOURCE 7

ESA-RESOURCE 2

LAKE

SEPTIC TANK

NEEDWOOD RD

STA. 720+10.01 - 61.442

STA. 720+42.40 - 188.816

STA. 720+70.89 - 183.964

STA. 720+91.54 - 150.413

STA. 722+61.55 129.615' LT

STA. 723+18.39 145.490' LT

STA. 723+48.83 123.208' LT

STA. 722+83.03 149.577' LT

124 CATHERINE NOBLES SEE SHEET 32,33

129 ASHLEY SIKES SEE SHEET 35

STA. 724+52.38 105.884' LT

STA. 724+25.79 75.059' LT

131 MALCOM HARRIS SEE SHEET 35

134 JOEL ALFORD JR., INDIVIDUALLY AND AS ADMINISTRATOR OF THE ESTATE OF LAWANDA ANN ALFORD SEE SHEET 35

136 THE ESTATE OF LAWANDA ANN ALFORD SEE SHEET 35

137 MICHAEL & GLENDA PERKINS SEE SHEET 35

138 ANNIE TATE SEE SHEET 35

STA. 724+80.33 104.849' LT

STA. 725+05.13 75.027' LT

STA. 726+53.42 105.871' LT

STA. 726+26.83 75.048' LT

STA. 726+81.37 104.834' LT

STA. 727+06.17 75.011' LT

STA. 727+88.04 75.006' LT

STA. 728+21.62 144.688' LT

STA. 728+48.39 143.688' LT

STA. 728+65.04 74.971' LT

STA. 729+91.76 110.762' LT

STA. 729+94.44 139.742' LT

STA. 729+68.09 141.461' LT

STA. 729+41.32 111.629' LT

STA. 730+16.97 110.456' LT

STA. 730+17.69 123.422' LT

STA. 730+43.00 141.277' LT

STA. 730+59.36 139.741' LT

STA. 730+65.52 110.043' LT

STA. 732+65.90 SR NEEDWOOD RD OFFSE LIMIT OF CONSTRUCT

END FULL DEPTH CONSTRUCTION STA. 727+75

725+00

727+26.10

730+00

R/W REQ'D

EXIST R/W

DRAINAGE APPROXIMATE

CURVE #4

R 39

R 4

R 50

126 ALBERTA & JERRY GARDNER SEE SHEET 32,33

127 JAMMIE V POPPELL SEE SHEET 33

128 GARY CROSS SEE SHEET 35

130 EMANUEL C. O'ZELL, THE ESTATE OF LUCY ROGERS HARRIS, HEATHER O'ZELL AND RANICKA O'ZELL SEE SHEET 35

132 LUCY HARRIS SEE SHEET 35

133 KATIE CROOKS SEE SHEET 35

135 DELIA HARRIS AULTMAN SEE SHEET 35

142 THOMAS SCOTT SEE SHEET 36

STA. 720+41.89 105.00' RT

STA. 720+52.40 117.99' RT

STA. 720+65.29 118.00' RT

STA. 720+74.52 105.00' RT

STA. 722+29.45 105.01' RT

STA. 722+03.89 136.00' RT

STA. 721+68.92 133.42' RT

STA. 721+71.64 105.00' RT

STA. 722+87.70 134.595' RT

STA. 722+99.06 134.798' RT

STA. 722+85.91 105.000' RT

STA. 723+22.93 105.990' RT

STA. 725+81.60 95.000' RT

STA. 725+99.24 124.629' RT

STA. 726+24.74 125.611' RT

STA. 726+40.20 95.000' RT

STA. 727+95.34 94.715' RT

STA. 728+20.01 124.837' RT

STA. 728+33.95 125.384' RT

STA. 728+35.23 95.069' RT

STA. 730+61.02 80.150' RT

STA. 730+85.61 105.376' RT

STA. 731+16.81 106.558' RT

STA. 731+38.63 80.112' RT

DE10611 DE10613 DE10614 DE10615 DE10616 DE10617 DE10618 DE10619 DE10620 DE10621 DE10622 DE10623 DE10624 DE10625 DE10626 DE10627 DE10628 DE10629 DE10630 DE10631 DE10632 DE10633 DE10634 DE10635 DE10636 DE10637 DE10638 DE10639 DE10640 DE10641 DE10642 DE10643 DE10644 DE10645 DE10646 DE10647 DE10648 DE10649 DE10650 DE10651 DE10652 DE10653 DE10654 DE10655 DE10656 DE10657 DE10658 DE10659 DE10660 DE10661 DE10662 DE10663 DE10664 DE10665 DE10666 DE10667 DE10668 DE10669 DE10670 DE10671 DE10672 DE10673 DE10674 DE10675 DE10676 DE10677 DE10678 DE10679 DE10680 DE10681 DE10682 DE10683 DE10684 DE10685 DE10686 DE10687 DE10688 DE10689 DE10690

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET 0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 720+00 TO STA. 734+00

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0004

7/31/2015 GPLN

6/16/2021 11:30:55 AM GPLOT-V8 532650-_13-0005.dgn P.I. No. 532650-
01007642 gplotborder-V8i-PO.tbl

WL 17: 0.012 acre Clear
WL 17: 0.014 acre Clear
WL 17: 0.02 acre Clear
WL 17: 0.018 acre Fill
WL 17: 0.002 acre Clear
WL 17: 0.02 acre Clear
WL 17: 0.04 acre Fill
WL 17: 0.008 acre Fill
WL 17: 0.008 acre Fill
WL 17: 0.06 acre Clear

MATCH LINE STA. 734+00 DRAWING No. 13-0004
MATCH LINE STA. 748+00 DRAWING No. 13-0006

STA. 736+91.03
123.577' LT
STA. 736+92.27
139.852' LT
STA. 737+15.62
139.320' LT
STA. 737+40.89
124.129' LT
STA. 735+08.52
118.275
STA. 735+25.02
139.612
STA. 735+42.87
139.667
STA. 735+59.87
120.403
141 ANNIE SCOTT
25' PRECURVED RADIUS = 15'
735+00
END T-BEAM STA. 739+10.00
END W-BEAM
BEGIN T-BEAM STA. 739+01.85
143 WILLIAM & MARY STALLWORTH
BEGIN BRIDGE 1 STA. 739+10.00
TYPE I TERM. BEGIN W-BEAM STA. 737+24.42
EXIST R/W
ESA-WETLAND 17/ WALLY LEG BRANCH
740+00
146 CARROL & MACADONIA HARDEE
ESA-RESOURCE 6
STA. 744+21.40
121.039' LT
BEGIN T-BEAM STA. 740+35.00
END BRIDGE 1 STA. 740+35.00
STA. 742+13.61
119.897' LT
STA. 742+39.66
150.362' LT
STA. 742+66.43
149.246' LT
STA. 742+90.56
119.606' LT
END T-BEAM
BEGIN W-BEAM STA. 740+55.65
TYPE 12A TERM. END W-BEAM STA. 741+80.65
745+00
EXIST R/W
139 RLF KINGSLAND PROPERTIES LLC
STA. 746+78.16 SR 25/US 17
STA. 744+74.93
150.847' LT
STA. 744+74.93
149.068' LT
STA. 744+98.32
118.837' LT
OFFSET 71' RT
Dan Ln CONSTRUCTION
ESA-WETLAND 17
REQ'D R/W
6'6" PAVED SHOULDER
EXIST R/W
SR 25/US 17
P.I. 290+00.00
N39°18'44.3"W
P.I. 290+00.00
STA. 747+25.30
79.594' RT
STA. 747+48.69
109.824' RT
STA. 747+75.42
111.604' RT
149 THE GREEN FAMILY TRUST
DAN LN
CURVE #4
BEG APP. SLAB STA. 736+60.00
END APP. SLAB STA. 740+65.00
EXIST R/W
DE10638
DE10637
DE10631
P.T.
144 THOMAS SCOTT
TYPE 12A TERM. BEGIN W-BEAM STA. 737+89.35
END W-BEAM
END T-BEAM STA. 739+10.00
145 EDWARD DIXON
BEGIN W-BEAM
END T-BEAM STA. 740+43.15
BEGIN T-BEAM STA. 740+35.00
25' PRECURVED GR RADIUS = 15'
STA. 742+47.03
113.898 RT
NON-BUFFERED STATE WATER H
STA. 741+99.00
88.647
FENCE EASEMENT
TYPE I ANCHOR END W-BEAM STA. 742+17.53
STA. 742+20.30
112.118 RT
ESA-RESOURCE 21
BEARING IN=N46°20'47.7"W
ESA-RESOURCE 8
6'6" PAVED SHOULDER
EXIST R/W
+90.26
10.00' LT
+10.73
2.00' RT

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT
ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 734+00 TO STA. 748+00

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	13-0005
VERIFIED:		DATE:	

7/31/2015 GPLH

WL 17: 0.14 acre Clear

WL 17: 0.14 acre Clear

WL 17: 0.02 acre Clear

WL 17: 0.02 acre Clear

WL 17: 0.46 acre Fill

WL 17: 0.02 acre Fill

WL 17: 0.32 acre Fill

WL 17: 0.06 acre Fill

139
RLF KINGSLAND PROPERTIES LLC
SEE SHEET 37

ESA-WETLAND 17

ESA-WETLAND 17

ESA-WETLAND 18

ESA-RESOURCE 9

MATCH LINE STA. 748+00 DRAWING No. 13-0005

MATCH LINE STA. 762+00 DRAWING No. 13-0007

750+00

756+00

760+00

EXIST R/W

REQ'D R/W

BEGIN FULL DEPTH CONSTRUCTION
STA. 757+50

6.5" PAVED SHOULDER

SR25/US17

NON-BUFFERED STATE WATER H

NON-BUFFERED STATE WATER H

STA. 748+04.25
80.163' RT

STA. 750+80.32
80.590' RT

STA. 750+73.44
110.821' RT

STA. 750+46.68
109.483' RT

STA. 750+31.12
79.995' RT

149
THE GREEN FAMILY TRUST
SEE SHEET 36,37

DRAINAGE APPROXIMATE

151
IDELLA LISMORE
SEE SHEET 39

152
JOSEPH IANNICELLI &
CAROLYN JOANNA GENTILE
SEE SHEET 39,40,41

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT
ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 748+00 TO STA. 761+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

6/16/2021 11:31:18 AM | GPLOT-V8 | 532650-_13-0007.dgn | GDOT | P.I. No. 532650-
01007642 | gplotborder-V81-PO.tbl

WL 17: 0.18 acre Clear

WL 17: 0.24 acre Clear

ESA-WETLAND 17

ESA-WETLAND 17

MATCH LINE STA. 762+00 DRAWING No. 13-0006

MATCH LINE STA. 776+00 DRAWING No. 13-0008

1765+00

770+00

775+00

EXIST R/W

END FULL DEPTH CONSTRUCTION STA. 773+50

EXIST R/W

6'-6" PAVED SHOULDER

6'-6" PAVED SHOULDER

SR25/US17

SR25/US17

+55.42
10.00' RT

+35.07
2.00' LT

WL 17: 0.70 acre Fill

WL 17: 0.44 acre Fill

6'-6" PAVED SHOULDER

6'-6" PAVED SHOULDER

EXIST R/W

EXIST R/W

TRAIL

TRAIL

NEW HOPE PLANTATION

NON-BUFFERED STATE WATER H

ESA-WETLAND 18

NEW HOPE PLANTATION

(152)
JOSEPH IANNICELLI &
CAROLYN JOANNA GENTILE

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 762+00 TO STA. 776+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

1/31/2019 GPLN

WL 17: 0.18 acre Clear

WL 17: 0.28 acre Fill

WL 17: 0.20 acre Clear

WL 17: 0.34 acre Fill

153
STATE OF
GEORGIA
SEE SHEET 42-45,47

ESA-WETLAND 17

ESA-WETLAND 17

ESA-WETLAND 19

ESA-WETLAND 19

NON-BUFFERED STATE WATER H

NON-BUFFERED STATE WATER H

STA. 776+86.68
87.949' RT

STA. 777+41.61
212.409' RT
STA. 778+07.10
187.460' RT

STA. 777+63.08
87.913' RT

152
JOSEPH IANNICELLI &
CAROLYN JOANNA GENTILE
SEE SHEET 38,39,40

154
STATE OF
GEORGIA
SEE SHEET 42,43,44,45,

NEW HOPE PLANTATION

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

SR25/US17

SR25/US17

R 4

R 4

R 35

MATCH LINE STA. 776+00 DRAWING No. 13-0007

MATCH LINE STA. 790+00 DRAWING No. 13-0009

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

GDOT
ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 776+00 TO STA. 790+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0008
VERIFIED:		DATE:		

7/31/2015 GPLN

WL 17: 0.16 acre Clear

WL 17: 0.66 acre Fill

153
STATE OF
GEORGIA
SEE SHEET 41,43-45,47

154
STATE OF
GEORGIA
SEE SHEET 41,43,44,45

MATCH LINE STA. 790+00 DRAWING No. 13-0008

MATCH LINE STA. 804+00 DRAWING No. 13-0010

BEGIN FULL DEPTH CONSTRUCTION
STA. 793+50

END FULL DEPTH CONSTRUCTION
STA. 799+80

795+00

800+00

ESA-WETLAND 17

ESA-WETLAND 19

EXIST R/W

SR25/US17

12'-0" PAVED SHOULDER

LIMIT OF CONSTRUCTION

STA. 796+39.00
74.209' RT

STA. 796+63.80
103.830' RT

STA. 797+15.95
74.566' RT

STA. 796+89.87
105.009' RT

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 790+00 TO STA. 804+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0009
VERIFIED:		DATE:		

7/31/2015 GPLM

WL 17A: 0.012 acre Clear

WL 17A: 0.01 acre Fill

153 STATE OF GEORGIA

154 STATE OF GEORGIA

ESA-RESOURCE 19

ESA-WETLAND 17A

BEGIN FULL DEPTH CONSTRUCTION
STA. 809+25

BACK 813+00.00
AHEAD 25+00.00

END PROJECT
STA. 25+04.00

BEGIN NB SPLITTER ISLAND
STA. 105+06.90

BEGIN SB SPLITTER ISLAND
STA. 205+10.80

STA. 814+86.42
102.549' LT

STA. 815+11.90
132.133' LT

STA. 815+36.92
130.483' LT

STA. 815+59.46
100.662' LT

EXIST R/W

CURVE #5

RETAIN
EXISTING SIGN

DO NOT
DISTURB
ELECTRIC FENCE

STA. 812+97.51
99.676 RT

STA. 813+13.27
120.448 RT

STA. 813+62.98
101.365 RT

STA. 813+49.15
120.402 RT

HOFWYL-BROADFIELD PLANTATION

MATCH LINE STA. 804+00 DRAWING No. 13-0009

MATCH LINE STA. 29+50 DRAWING No. 13-0011

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

MAINLINE PLAN
SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 804+00 TO STA. 29+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0010
VERIFIED:		DATE:		

7/31/2015 GPLH

See resource impacts on plan sheet 13-008 for PI 0009874.

RHONDA L. BARLOW

STATE OF GEORGIA (153)

ESA-WETLAND 17

EXIST R/W

TOWER CLOUD/ UNITI FIBER HH 24/W36"

STATE OF GEORGIA (155)

STATE OF GEORGIA (156)

STATE OF GEORGIA (154)

RED'D R/W

RHONDA L. BARLOW FENCE EASEMENT

ESA-WETLAND 17

ESA-WETLAND 20

ESA-RESOURCE 4

ESA-RESOURCE 5

ESA-WETLAND 20

ESA-WETLAND 21

END PROJECT STA. 39+98.64

MATCH LINE STA. 29+50 DRAWING No. 13-0010

CURVE #7

CURVE #8

CURVE #9

CULVERT APPROX.

DRAINAGE APPROXIMATE

TRAIL

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	REO'D LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REO'D LIMIT OF ACCESS & R/W
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES

CONSTRUCTION PLAN

SR25/US17 HARRY DRIGGERS BLVD DRIVE TO SR99
STA. 29+00 TO STA. END

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0011
VERIFIED:		DATE:		

10/23/2015 GPLH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED
SR 25/US 17 AT SR 99
ROUNDABOUT
FEDERAL AID PROJECT
GLYNN COUNTY

LOCATION SKETCH

DESIGN DATA:	SR 25	SR 99	ROUNDABOUT
2025 A.D.T.:	6950	3850	
2045 A.D.T.:	8450	4750	
TRAFFIC D.H.V.:	670	362	
DIRECTIONAL DIST:	50%	50%	
% TRUCKS:	6.5%	19.0%	
24 HR.TRUCKS %:	8.0%	24.0%	
SPEED DESIGN:	55 MPH	45 MPH	25 MPH

LOCATION & DESIGN APPROVAL DATE: N/A

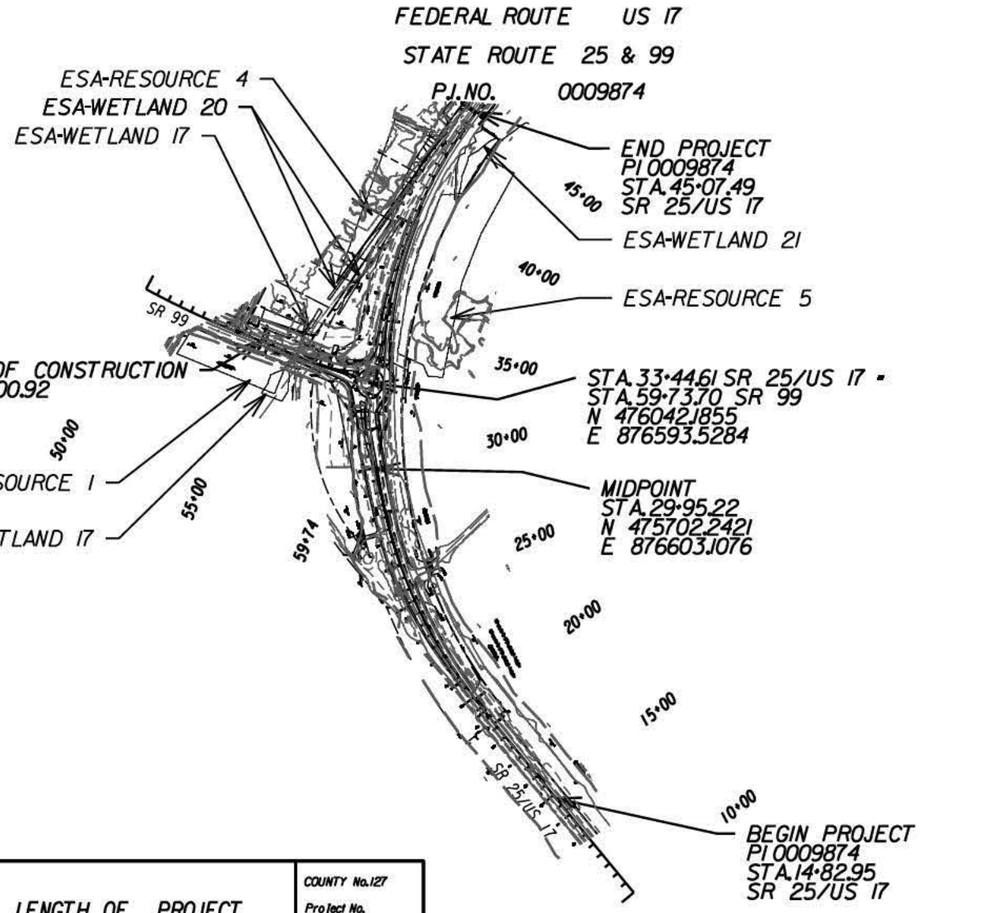
FUNCTIONAL CLASS:
SR 25 - RURAL MINOR ATERIAL
SR 99 - RURAL MAJOR COLLECTOR

THIS PROJECT IS 100% IN GLYNN COUNTY AND IS 100% IN CONG.DIST.NO.1.

PROJECT DESIGNATION: EXEMPT

DESIGNED IN ENGLISH UNITS.

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 EAST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.



SCALE IN FEET
0 300 600 1200

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

LENGTH OF PROJECT	COUNTY No.127 Project No. 0009874
	MILES
NET LENGTH OF ROADWAY	0.57
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	0.57
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.57

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

PREPARED BY: MARK LENTERS, PE
DESIGN KIMLEY-HORN

RECOMMENDED FOR APPROVAL BY:
STATE PROGRAM DELIVERY ADMINISTRATOR

DATE | CHIEF ENGINEER

PLANS COMPLETED - -	
REVISIONS	

Kimley»Horn
Engineering, Planning, and Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

DRAWING No. 01-0001

OBSCURE AREA

153

STATE OF GEORGIA

EXIST. R/W

BEGIN PROJECT
PI 0009874
SR 25 STA. 14+82.95
PI 532650 STA. 802+58.06

15+00 16+00 17+00 18+00 19+00

EXIST. R/W

EXIST. R/W

P.I. 19+29.84

DE01 SR 25/US 17 CONST CL

N39°27'50.1"W

CURVE 1

MATCH LINE STA. 19+50 DRAWING No. 13-0002

P.C. 18+68.18

CULVERT APPROX.

CULVERT APPROX.

EXIST. R/W

EXIST. R/W

EXIST. R/W

154

STATE OF GEORGIA

ALL PROPOSED EASEMENTS SHOWN
ARE ACQUIRED UNDER PI 532650.
SEE PI 532650 R/W PLANS.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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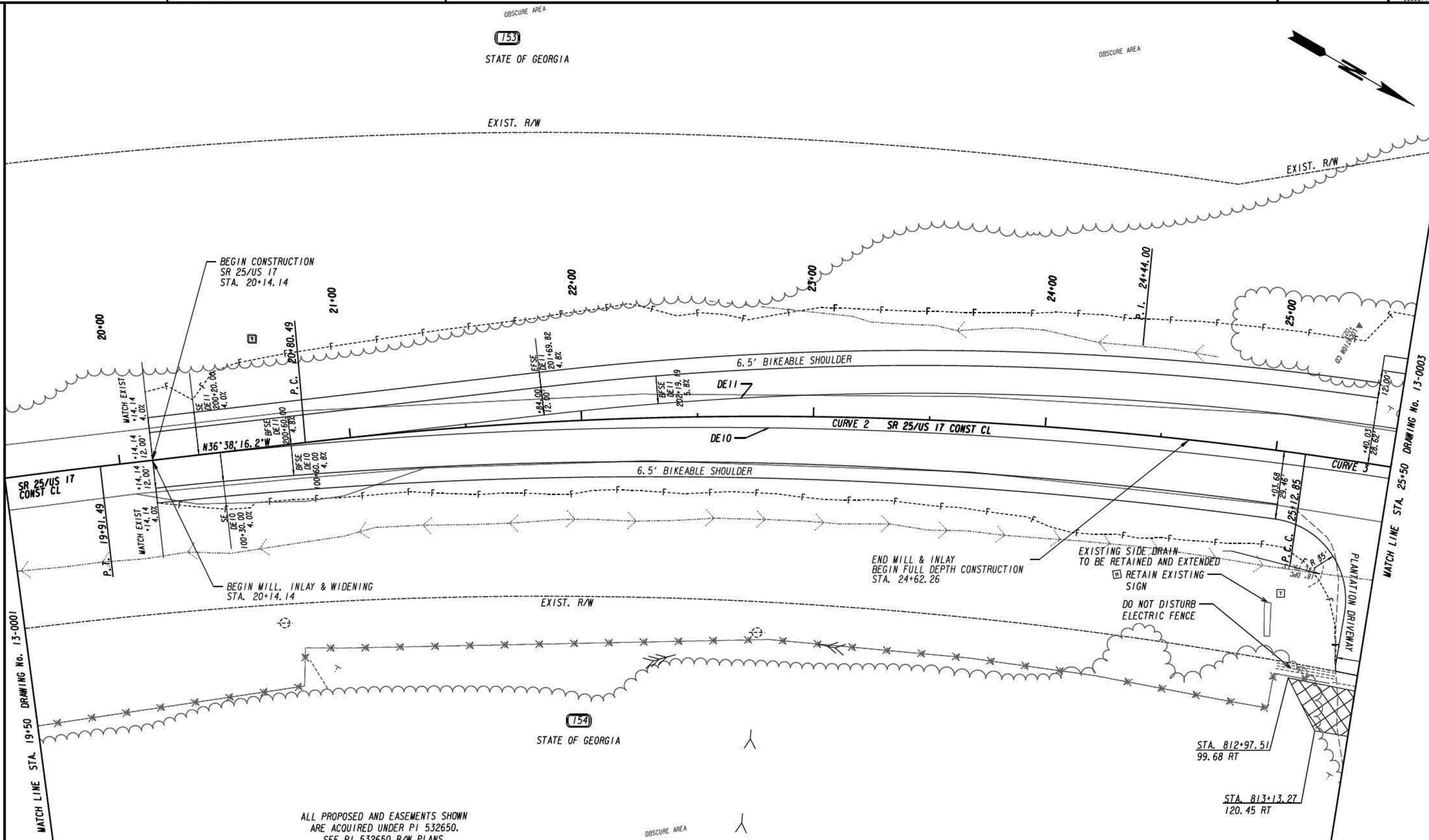
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 25/US 17 STA. 14+50 TO STA. 19+50

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0001
VERIFIED:		DATE:		

10/23/2015 GPLH



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

GDOT

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Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

SR 25/US 17 at SR 99
SR 25/US 17 STA. 19+50 TO STA. 25+50

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 13-0002

153
STATE OF GEORGIA
EXIST. R/W

STA. 815+11.90
132.13' LT

STA. 815+36.92
130.48' LT

STA. 814+86.42
102.55' LT

155
STATE OF GEORGIA

STA. 815+59.46
100.66' LT

OBSCURE AREA
OBSCURE AREA
EXIST. R/W

BEGIN CONCRETE MEDIAN STA 26+00.00

UTILITY DRIVEWAY
D/W +42 ASPHALT
14'
EXISTING GRAVEL D/W
R 15'
8-15'

26+00 27+00 28+00 29+00 30+00 31+00

6.5' BIKEABLE SHOULDER

EFSE DE11 205+41.66 5.8%
DE11 205+91.91 38.00'
EFSE DE11 206+33.59 5.0%
DE11 207+10.39 44.50'
207+53.38 1.50
EFSE DE11 207+66.52 5.0%
RC DE11 208+43.11 2.0%
FLAT DE11 208+94.18 0.0%
NC DE11 209+45.24 1.5%
DE11 210+71.42 14.00'

MATCH LINE STA. 25+50 DRAWING No. 13-0002

R 3'
CURVE 3
SR 25/US 17 CONST CL
B-3
B-2
B-1
18°
+22.57 3.00'
DE01
CONC MEDIAN (INTERGRAL) 7.5" TP 7 W/O TIE BARS
SR25/US17

+96.92 35.50'
DE10 105+87.29 26.00'
28+18.16
P.T.
EFSE DE10 108+31.08 4.8%
DE10 108+92.37 26.00'
DE10 109+58.79 26.00'

6.5' BIKEABLE SHOULDER

MATCH LINE STA. 31+00 DRAWING No. 13-0004

R 35'
EXISTING SIDE DRAIN TO BE RETAINED AND EXTENDED
DO NOT DISTURB ELECTRIC FENCE
D/W +50
20'
BEGIN SPECIAL DITCH STA. 28+35.65
BEGIN TP 2 C&G STA 30+66.93 42.67' RT
EXIST. R/W

154
STATE OF GEORGIA

STA. 813+62.98
101.37 RT

STA. 813+49.15
120.40 RT

ALL PROPOSED AND EASEMENTS SHOWN ARE ACQUIRED UNDER PI 532650. SEE PI 532650 R/W PLANS.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

GDOT

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3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 25/US 17 STA. 25+50 TO STA. 31+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0003
VERIFIED:		DATE:		

10/23/2015 GPLH

6/10/2021 10:20:38 AM	GPLOT-V8	0009874_13-0004.dgn	GDOT	P.I. No.
adam.gomez	gplotborder-V81-PO.tbl			0009874

CENTERLINE INTERSECTION
SR25/US 17 STA 33+44.61 • SR 99
STA 59+73.70
N 476042.1855
E 876593.5284

TYPE A RAMP (TYP.)

BEGIN TP 2 C&G
STA 31+69.16
31.10' LT

155

STATE OF GEORGIA

MATCH LINE STA. 58+50 DRAWING No. 13-0008

EXIST. R/W

10' SHARED USE PATH

32+00

P.I. 30+30.10

6.5' BIKEABLE SHOULDER

CONC MEDIAN (INTERGRAL) 7.5" TP 7 W/O TIE BARS

CURVE 4

SR 25/US 17
CONST CL

N12°56'17.1"W

MATCH LINE STA. 31+00 DRAWING No. 13-0003

5' BIKE RAMP

10' SHARED USE PATH

DETECTABLE WARNING SURFACE (TYP.)

GA SP DTL A4
DETECTABLE
WARNING SURFACE (TYP.)

TYPE A RAMP (TYP.)

END SPECIAL DITCH
STA. 33+10.30

BEGIN & END TY
7 HEADER CURB
STA 33+22.79

EXIST. R/W

TYPE A RAMP (TYP.)

154

STATE OF GEORGIA

ALL PROPOSED AND EASEMENTS SHOWN ARE ACQUIRED UNDER PI 532650.
SEE PI 532650 R/W PLANS.

BEGIN & END TP
9 MODIFIED C&G
STA 32+82.34

P.T. 59+06.69

CURVE 10

33+00

S68°49'31.8"E

P.C. 33+86.97

N21°10'28.2"E

POE 29+73.70

CURVE 5

N8°49'22.1"E

P.T. 34+57.65

34+00

35+00

36+00

TYPE A RAMP (TYP.)

END MILL & INLAY
BEGIN FULL DEPTH CONSTRUCTION
STA. 58+52

END TP 2 C&G
STA 35+23.08
24.97' LT

TP 3 RIP-RAP
10 SQ YDS
TP 3 SPILLWAY

BEGIN MILL & INLAY
STA. 36+47.00

156

STATE OF GEORGIA

6.5' BIKEABLE SHOULDER

CONC MEDIAN (INTERGRAL) 7.5" TP 7 W/O TIE BARS

SR 25/US 17

6.5' BIKEABLE SHOULDER

5' BYKE RAMP

END TP 2 C&G
STA 35+13.07
28.35' RT

TP 3 SPILLWAY
TP 3 RIP-RAP
10 SQ YDS

END CONCRETE
MEDIAN STA
35+98.21

P.C. 35+98.21

MATCH LINE STA. 36+50 DRAWING No. 13-0005

ESA-RESOURCE 5
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

OBSCURE AREA

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 25/US 17 STA. 31+00 TO STA. 36+50

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

10/23/2015 GPLH

EXIST. R/W

ESA-WETLAND 20
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

156

STATE OF GEORGIA

EXIST. R/W

EXIST. R/W

ESA-RESOURCE 4
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

OBSCURE AREA

P.I. 40+62.77

37+00 38+00 39+00 40+00 41+00 42+00

MATCH LINE STA. 36+50 DRAWING No. 13-0004

MATCH LINE STA. 42+00 DRAWING No. 13-0006

CONST CL

6.5' BIKEABLE SHOULDER

6.5' BIKEABLE SHOULDER

BFSE DE11 216+53.70 5.0%

SE DE11 217+40.00 5.0%

SE DE11 217+90.00 6.0%

DE11 219+01.26 12.50%

MATCH EXIST +21.16 6.0%

+21.16 13.21%

+21.16 10.88%

END MILL, INLAY & WIDENING
STA. 40+21.16

SR 25/US 17 CONST CL

CURVE 6

MATCH EXIST +21.16 6.0%

CULVERT APPROX.

ESA-RESOURCE 5
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

END CONSTRUCTION LIMITS
SR 25
STA. 40+21.16

EXIST. R/W

154

STATE OF GEORGIA

ALL PROPOSED AND EASEMENTS SHOWN
ARE ACQUIRED UNDER PI 532650.
SEE PI 532650 R/W PLANS.

OBSCURE AREA

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

GDOT

Kimley»Horn

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3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 25/US 17 STA. 36+50 TO STA. 42+00

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0005
VERIFIED:		DATE:		

10/23/2015 GPLH

ESA-RESOURCE 4
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

OBSCURE AREA

ESA-WETLAND 20
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

43+00

44+00

45+00

EXIST. R/W

LOCATION CD
1027

MATCH LINE STA. 42+00 DRAWING No. 13-0005

DE01

SR 25/US 17 CONST CL

R.T. 45+07.49

ESA-WETLAND 21
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

EXIST. R/W

EXIST. R/W

END PROJECT LIMITS
SR 25
STA. 45+07.49

PROPERTY AND EXISTING R/W LINE	P
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	F
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REO'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

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Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 25/US 17 STA. 42+00 TO STA. 45+07

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		13-0006

OBSCURE AREA

EXIST. R/W

SEMWOCE RD.

EXIST. R/W

ESA-RESOURCE 3
(NO CONSTRUCTION)

50+00

EXIST. R/W

51+00

OBSCURE AREA

52+00

53+00

EXIST. R/W

CULVERT APPROX.

CULVERT APPROX.

P.C. 50+00.00

CURVE 7

DE02

SR 99 CONST CL

MATCH LINE STA. 53+50 DRAWING No. 13-0008

P.I. 52+14.71

CULVERT APPROX.

EXIST. R/W

ESA-RESOURCE 2
(NO CONSTRUCTION)

PETERSVILLE RD.

EXIST. R/W

ESA-RESOURCE 1
(NO CONSTRUCTION)

EXIST. R/W

153

STATE OF GEORGIA

EXIST. R/W

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

GDOT

Kimley»Horn

Engineering, Planning, and Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN

SR 25/US 17 at SR 99
SR 99 STA. 20+00 TO STA. 23+50

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0007
VERIFIED:		DATE:		

10/23/2015 GPLH

6/10/2021 10:22:31 AM | GPLOT-VB | 0009874_13-0008.dgn | GDOT | P.I. No. 0009874

adam.gomez | gplotborder-VB1-PO.tbl

WL 17: 0.004 acre Fill

WL 17: 0.002 acre Clear

157 RHONDA L. BARLOW

156 STATE OF GEORGIA

153 STATE OF GEORGIA

155 STATE OF GEORGIA

ESA-WETLAND 17
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

FENCE EASEMENT

REQ'D R/W

EXIST. R/W

BEGIN MILL, INLAY & WIDENING
STA. 55+00.92

LIMITS OF TP 2 C&G
STA 58+01.69
60.77' LT

SOLAR ARRAY

CULVERT APPROX.

WAHANG RD.

MATCH LINE STA. 23+50 DRAWING No. 13-0007

MATCH LINE STA. 58+50 DRAWING No. 13-0004

54+28.85 P.T.

55+12.70 P.I.

55+34.47 P.T.

55+00.92 P.C.C.

57+32.25 P.C.

57+88.72 P.R.C.

57+60.53 P.I.

58+47.77 P.T.

S68°46'02.2"E

S67°29'45.0"E

CURVE 8

CURVE 9

SR 99 CONST CL

SR99

4.0' PAVED SHOULDER

CONC MEDIAN
(INTERGRAL) 7.5'
TP 7 W/O TIE BARS

BEGIN CONCRETE
MEDIAN STA
56+95.52

ESA-RESOURCE 1
(NO CONSTRUCTION)

BEGIN SPECIAL DITCH
STA. 56+80.87

END SPECIAL DITCH
STA. 57+80.33

REMOVE ALL TREES IN
THE SOUTHWEST QUADRANT,
UP TO THE ROW LINE, TO
ENSURE EFFICIENCY OF
THE SOLAR PANEL ARRAY
ON THE NORTHSIDE OF SR
99.

LIMITS OF CONSTRUCTION
SR 99
STA. 55+00.92

LIMITS OF TP 2 C&G
STA 28+17.56
23.94' RT

TP 3 RIP-RAP
10 SQ YDS
TP 3 SPILLWAY

END MILL & INLAY
BEGIN FULL DEPTH CONSTRUCTION
STA. 58+52.00

ESA-WETLAND 17
SEE GENERAL NOTES
'ENVIRONMENTAL RESOURCES
IMPACT TABLE' FOR CONSTRUCTION
RESTRICTIONS

ALL PROPOSED AND EASEMENTS SHOWN
ARE ACQUIRED UNDER PI 532650.
SEE PI 532650 R/W PLANS.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Kimley»Horn
Engineering, Planning, and Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

SCALE IN FEET
0 20 40 80

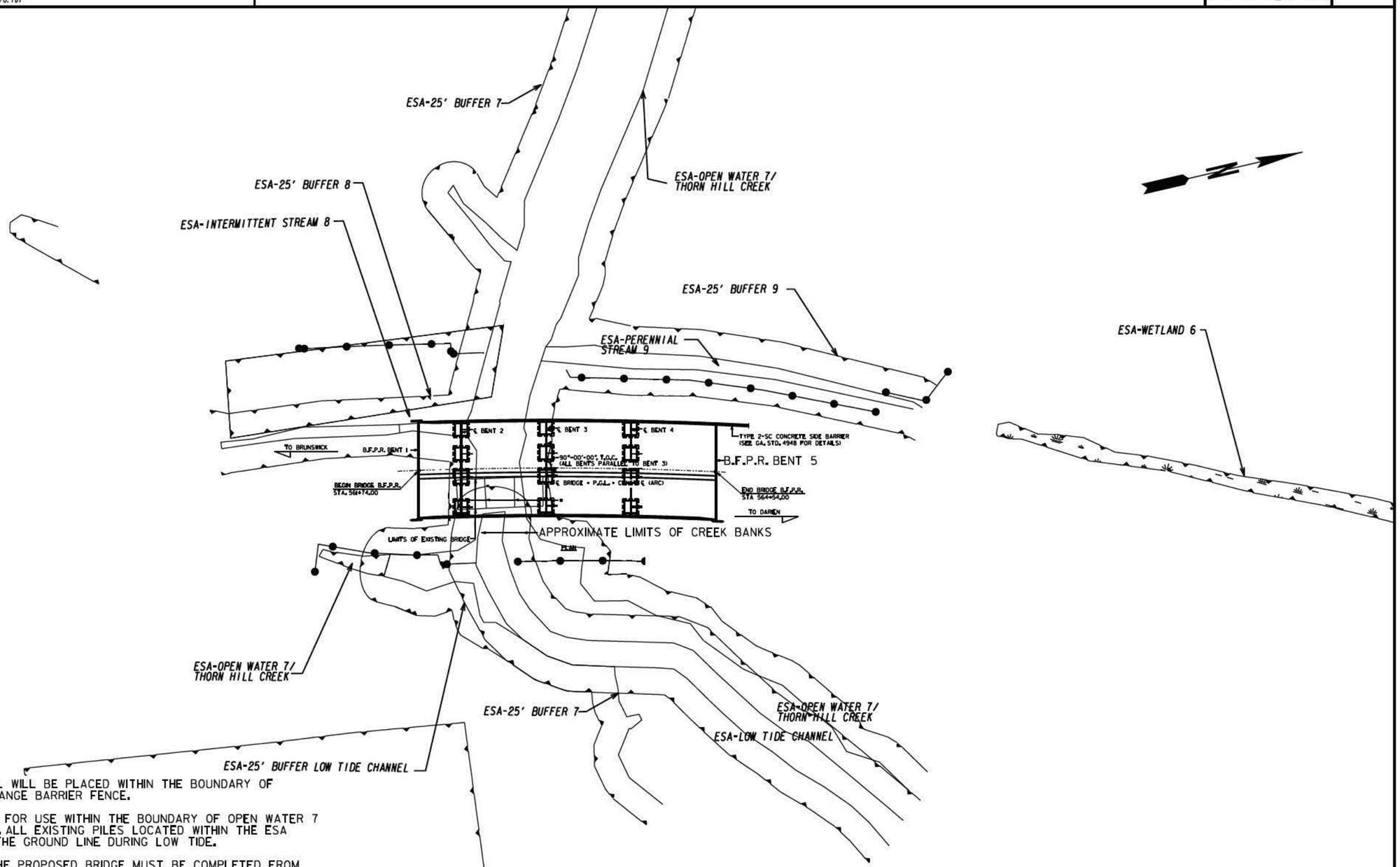
REVISION DATES

CONSTRUCTION PLAN
SR 25/US 17 at SR 99
SR 99 STA. 23+50 TO STA. 28+50

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0008

10/23/2015 GPU#



NOTES:

1. NO PERMANENT OR TEMPORARY FILL WILL BE PLACED WITHIN THE BOUNDARY OF OPEN WATER 7 OUTSIDE OF THE ORANGE BARRIER FENCE.

2. NO MACHINERY WILL BE PERMITTED FOR USE WITHIN THE BOUNDARY OF OPEN WATER 7 DURING EXISTING BRIDGE DEMOLITION. ALL EXISTING PILES LOCATED WITHIN THE ESA BOUNDARIES WILL BE CUT OFF AT THE GROUND LINE DURING LOW TIDE.

3. THE PLACEMENT OF BEAMS FOR THE PROPOSED BRIDGE MUST BE COMPLETED FROM AN UPLAND WORK AREA LOCATED OUTSIDE OF THE ORANGE BARRIER FENCING. THE USE OF A TEMPORARY WORK BRIDGE IS NOT PERMITTED.

*4. DENOTES EXISTING BENT TO BE REMOVED.

5. IN ESA AREAS, ORANGE BARRIER FENCING, STAKED SEDIMENT BARRIER, OR FLOATING SEDIMENT BARRIER TO BE USED DEPENDENT UPON SITE CONDITIONS AND LEVEL OF INUNDATION PRESENT DURING THE TIME OF CONSTRUCTION.

EXISTING BRIDGE SERIAL NO. 127-0009-0
EXISTING BRIDGE I.D. NO. 127-00025D-019.05N

BRIDGE NO. 1

ROADWAY DESIGN

SCALE IN FEET
0 50 100 200

REVISION DATES
05/07/21
06/14/21

STAGING DETAILS

PERMITTED ACCESS FOR BRIDGE REMOVAL AND CONSTRUCTION

SR 25 (US 17) OVER THORNHILL CREEK

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		20-0001
VERIFIED:		DATE:		

Anticipated Temporary Access Construction Method Analysis

P.I No. 0016985, Glynn County
SR 25 (US 17) @ THORNHILL CREEK

Anticipated Construction Method for Temporary Access – Based on Construction Plans Dated 08/31/2020

- [ ] No In-water Access Required (Activity able to take place from streambank)
- [ ] Barge (Minimum water depth ≥ 7 feet; Predictable water level @ Project site)
- [ ] Work Bridge (≥ 10 feet of stable substrate above bedrock for pile driving)
- [x] Cofferdam or Sediment Containment Unit (≥ 10 feet of stable substrate above bedrock for sheet pile driving)
- [ ] Bulkhead (Uneven terrain requires flattening of streambank from which to operate equipment)
- [ ] Jetty (< 10 feet of stable substrate above bedrock for pile driving)
- [ ] Other

Stream & Construction Method Details

41 Approximate Stream Width at Project Site – Linear Feet (LF)
41 Open Stream Width @ Maximum Estimated Restriction (LF) – *Section 20 Plans denote restriction limits*
N/A Estimated Duration @ Max Stream Restriction (Months)
N/A Total Estimated Stream Restriction Duration (Months)
N/A Return to Regular Flow from Max Stream Restriction (LF downstream)
N/A Return to Regular Flow from Max Stream Restriction (LF upstream)

Stream Geomorphology Analysis

Bank: Banks are low laying and are marshy.

Substrate: Channel bottom composed of mostly sand.

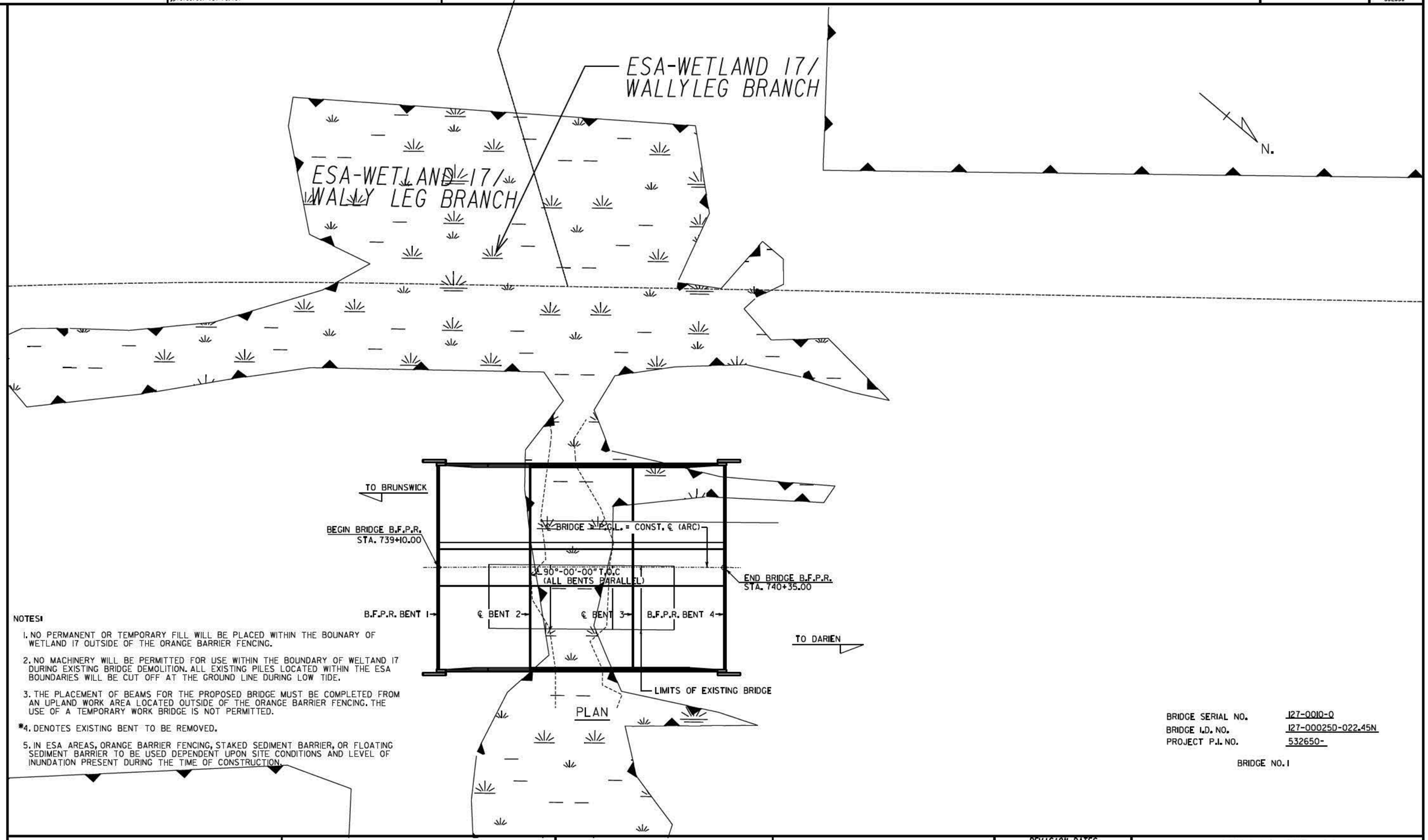
Flow Analysis – *NOTE: Only required when restriction of the stream will occur (e.g., bulkhead, jetty, etc.)*

	Base Flow		Flow Immediately Prior to Overtopping Restriction		Flow @ 2 Year Storm Event	
Flow within Channel Limits	N/A	cfs	N/A	cfs	N/A	cfs
Channel Velocity through Bridge (No Restriction)	N/A	fps	N/A	fps	N/A	fps
Channel Velocity through Bridge (With Restriction)	N/A	fps	N/A	fps	N/A	fps
% Increase in Channel Velocity	N/A	%	N/A	%	N/A	%
Contraction Scour in Channel (No Restriction)	N/A	ft	N/A	ft	N/A	ft
Contraction Scour in Channel (With Restriction)	N/A	ft	N/A	ft	N/A	ft

Key: ft = feet; cfs = cubic feet per second; fps = feet per second

Conclusion

No machinery will be permitted for use within the boundary of the wetland during demolition. All existing piles located within the ESA boundaries will be cut off at the ground line during low tide. The proposed beam placement will be complete from an upstream area located outside of the orange barrier fencing. No work bridge permitted. No dredging anticipated. No wetland crossing anticipated during construction. Proposed concrete intermediate bent 2, 3 and 4 will required cofferdams. Cofferdams are outside the limits of the stream bank and water.



NOTES:

1. NO PERMANENT OR TEMPORARY FILL WILL BE PLACED WITHIN THE BOUNARY OF WETLAND 17 OUTSIDE OF THE ORANGE BARRIER FENCING.
2. NO MACHINERY WILL BE PERMITTED FOR USE WITHIN THE BOUNDARY OF WELTAND 17 DURING EXISTING BRIDGE DEMOLITION. ALL EXISTING PILES LOCATED WITHIN THE ESA BOUNDARIES WILL BE CUT OFF AT THE GROUND LINE DURING LOW TIDE.
3. THE PLACEMENT OF BEAMS FOR THE PROPOSED BRIDGE MUST BE COMPLETED FROM AN UPLAND WORK AREA LOCATED OUTSIDE OF THE ORANGE BARRIER FENCING. THE USE OF A TEMPORARY WORK BRIDGE IS NOT PERMITTED.

*4. DENOTES EXISTING BENT TO BE REMOVED.

5. IN ESA AREAS, ORANGE BARRIER FENCING, STAKED SEDIMENT BARRIER, OR FLOATING SEDIMENT BARRIER TO BE USED DEPENDENT UPON SITE CONDITIONS AND LEVEL OF INUNDATION PRESENT DURING THE TIME OF CONSTRUCTION.

BRIDGE SERIAL NO. 127-0010-0
BRIDGE I.D. NO. 127-00025D-022.45N
PROJECT P.I. NO. 532650-

BRIDGE NO. 1

ROADWAY DESIGN

SCALE IN FEET
0 20 40 80

REVISION DATES

STAGING DETAILS

PERMITTED ACCES FOR BRIDGE REMOVAL AND CONSTRUCTIONS

SR 25 (US 17) OVER WALLYLEG BRANCH

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		20-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

Anticipated Temporary Access Construction Method Analysis

P.I No. 532650 ,Glynn County
SR 25 (US 17) over WALLYLEG BRANCH

Anticipated Construction Method for Temporary Access – Based on Construction Plans Dated 08/31/2020

- [x] No In-water Access Required (Activity able to take place from streambank)
- [ ] Barge (Minimum water depth ≥ 7 feet; Predictable water level @ Project site)
- [ ] Work Bridge (≥ 10 feet of stable substrate above bedrock for pile driving)
- [ ] Cofferdam or Sediment Containment Unit (≥ 10 feet of stable substrate above bedrock for sheet pile driving)
- [ ] Bulkhead (Uneven terrain requires flattening of streambank from which to operate equipment)
- [ ] Jetty (< 10 feet of stable substrate above bedrock for pile driving)
- [ ] Other

Stream & Construction Method Details

35	Approximate Stream Width at Project Site – Linear Feet (LF)
35	Open Stream Width @ Maximum Estimated Restriction (LF) – *Section 20 Plans denote restriction limits*
N/A	Estimated Duration @ Max Stream Restriction (Months)
N/A	Total Estimated Stream Restriction Duration (Months)
N/A	Return to Regular Flow from Max Stream Restriction (LF downstream)
N/A	Return to Regular Flow from Max Stream Restriction (LF upstream)

Stream Geomorphology Analysis

Bank: Banks are low laying and are marshy.

Substrate: Channel bottom composed of mostly sand.

Flow Analysis – *NOTE: Only required when restriction of the stream will occur (e.g., bulkhead, jetty, etc.)*

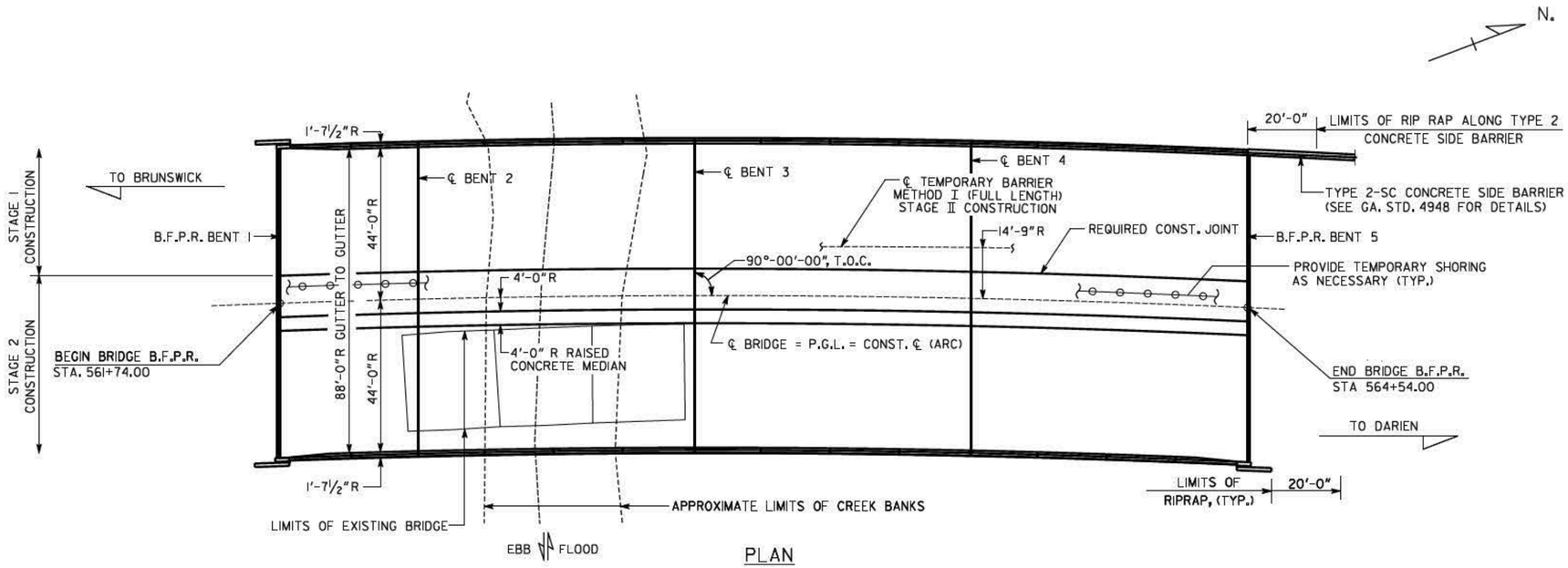
	Base Flow		Flow Immediately Prior to Overtopping Restriction		Flow @ 2 Year Storm Event	
Flow within Channel Limits	N/A	cfs	N/A	cfs	N/A	cfs
Channel Velocity through Bridge (No Restriction)	N/A	fps	N/A	fps	N/A	fps
Channel Velocity through Bridge (With Restriction)	N/A	fps	N/A	fps	N/A	fps
% Increase in Channel Velocity	N/A	%	N/A	%	N/A	%
Contraction Scour in Channel (No Restriction)	N/A	ft	N/A	ft	N/A	ft
Contraction Scour in Channel (With Restriction)	N/A	ft	N/A	ft	N/A	ft

Key: ft = feet; cfs = cubic feet per second; fps = feet per second

Conclusion

No permanent or temporary fill will be placed within the wetland boundaries. No machinery will be permitted for use within the boundary of the wetland during demolition. All existing PSC piles located within the ESA boundaries will be cut off at the ground line during low tide. The proposed beam placement will be complete from an upstream area located outside of the orange barrier fencing. No work bridge permitted. No dredging anticipated. No wetland crossing anticipated during construction. Proposed PSC piles can be driven from the banks and outside of the wetlands.

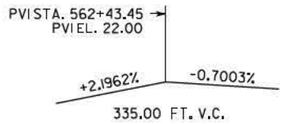
GDOT | P.I. NO. 0016985



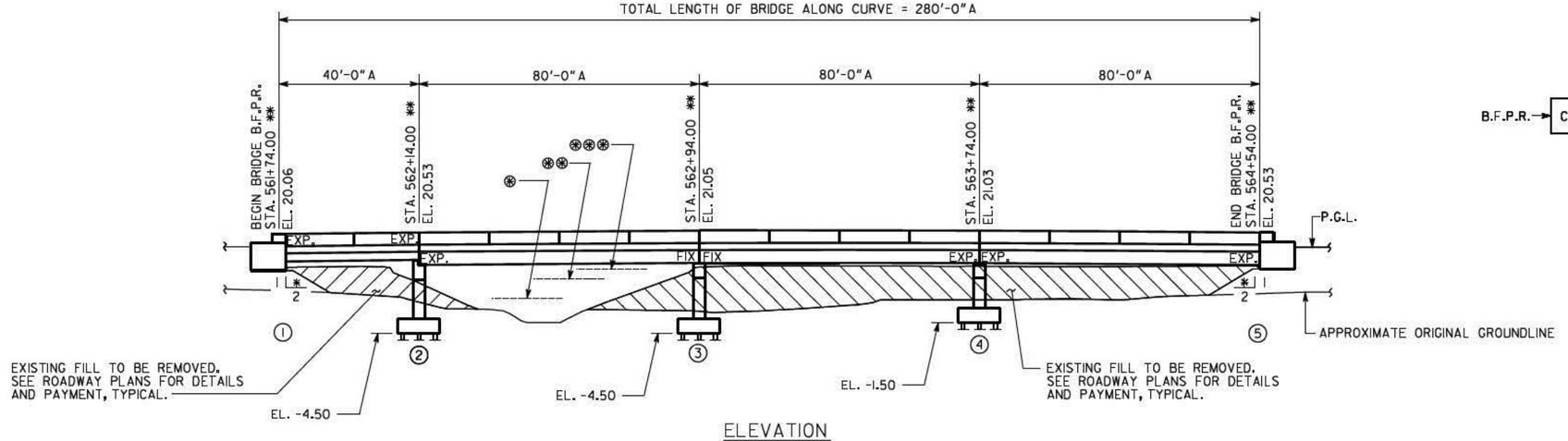
PLAN

P.I. STA. = 564+23.84
P.C. STA. = 554+69.23
P.T. STA. = 573+33.12
Δ = 30°-30'-44.00" (RT)
D = 01°-38'-13.28"
T = 954.61FT.
L = 1863.89 FT.
R = 3500.00 FT.
E = 127.85 FT.
S.E. = 3.6%

HORIZONTAL CURVE DATA

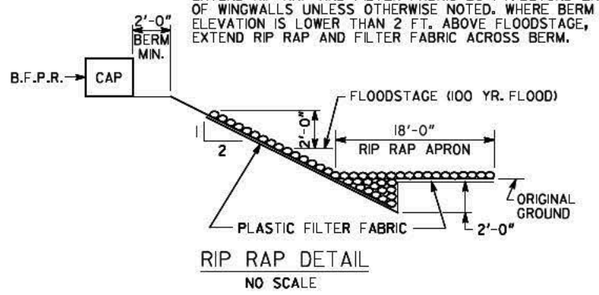


VERTICAL CURVE DATA



ELEVATION

PLACE RIP RAP AND FILTER FABRIC FROM 2 FT. BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE. EXTEND RIP RAP AND FILTER FABRIC 20 FT. BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED. WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE FLOODSTAGE, EXTEND RIP RAP AND FILTER FABRIC ACROSS BERM.



RIP RAP DETAIL
NO SCALE

EXISTING BRIDGE SERIAL NO. 127-0009-0
EXISTING BRIDGE I.D. NO. 127-00025D-019.05N
PROJECT P.I. NO. 0016985

NOTES:

1. END BENT PILES NOT SHOWN.
2. ALL BENTS ARE PARALLEL TO BENT 3.

* SLOPE NORMAL TO END BENT.

** STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR ℄ BENT.

A - ARC LENGTH MEASURED ALONG CURVE AT CONST. ℄
R - RADIAL DIMENSION

⊛ SPRING TIDE EL. = 5.24
⊛⊛ 25 YEAR STORM TIDE EL. = 10.71
⊛⊛⊛ 100 YEAR OVERTOPPING STORM TIDE EL. = 13.61

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

PLAN AND ELEVATION
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: 1"= 20-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 31

DATE | REVISIONS | BY

BRIDGE CONSISTS OF

1 - 40'-0" TYPE I MOD PSC BEAM SPANS ---------- SPECIAL DESIGN

3 - 80'-0" TYPE III PSC BEAM SPANS ---------- SPECIAL DESIGN

2 - METAL SHELL PILE END BENTS ---------- SPECIAL DESIGN

3 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

3 - END POST AND GUARDRAIL ATTACHMENT DETAIL ------- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 3'-6")

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

CONCRETE BARRIERS - TEMPORARY ---------- GA. STD. 4960 (5-10-07)

DETAILS OF PRECAST TEMPORARY BARRIERS ---------- GA. STD. 4961 (9-8-06)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

DRAINAGE DATA

DRAINAGE AREA ---------- 2.6 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE
25 YEAR	834 CFS	2.30 FPS	362 SQ FT
100 YEAR (OVER TOPPING)	7,448 CFS	4.57 FPS	1,630 SQ FT

TRAFFIC DATA

TRAFFIC ---------- ADT = 7,350 (2022)
ADT = 8,250 (2042)

DESIGN SPEED ---------- 55 MPH

TRUCKS ---------- 2 %

24 HR TRUCKS ---------- 3.5 %

DIRECTIONAL ---------- 57 %

UTILITIES

NO UTILITIES ON BRIDGE

EXISTING UTILITIES

TELEPHONE CONDUITS ---------- AT&T

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2" CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TEMPORARY BARRIERS, METHOD 1 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NOS. 4960 AND 4961 TO PROVIDE FOR 2 - 12'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SECTION 620 OF THE GEORGIA DOT SPECIFICATIONS.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE OBTAINED ON THE GEORGIA DOT WEBSITE AT:

HTTP://WWW.DOT.GA.GOV/BS/PROJECTS/PROJECTSEARCH

THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER BA(2)179-A(15) (PROJECT ID NO. H007492).

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. MEASURE CAMBER OF STAGE II BEAMS AND ADJUST "D" DIMENSION AND CAP ELEVATIONS AS NECESSARY FOR MEASURED CAMBER.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

WAITING PERIOD - NONE REQUIRED.

COFFERDAMS - PROVIDE COFFERDAMS AT BENTS 2, 3 AND 4.

FOUNDATION BACKFILL MATERIAL - PLACE 1'-0" OF TYPE II FOUNDATION BACKFILL MATERIAL UNDER EACH FOOTING AT BENTS 2, 3 AND 4. THE QUANTITY IS BASED ON THE PLAN FOOTING DIMENSIONS PLUS 2'-0".

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DRIVING RESISTANCE - DETERMINE DRIVING RESISTANCE FOR PILES USING DYNAMIC PILE TESTING IN ACCORDANCE WITH SUB-SECTION 520. 3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. DYNAMIC PILE TESTING SHALL BE REQUIRED AT BENTS 3 RIGHT AND 5 LEFT.

DYNAMIC PILE TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ANALYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT 404-608-4720 TWO WEEKS PRIOR TO DRIVING PILES.

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS (WEAP) IN ACCORDANCE WITH SUB-SECTION 520.3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

PILE DRIVING - SHOULD PILES FAIL TO OBTAIN DRIVING RESISTANCE AFTER ACHIEVING THE PILE TIP ELEVATIONS SHOWN, ALLOW PILES TO FREEZE A MINIMUM OF 24 HOURS AND RESTRIKE WITH A WARM HAMMER.

BENT NUMBER	PILE TIP ELEVATION
1	-57.00
2	-66.00
3	-68.00
4	-65.00
5	-58.00

METAL SHELL PILES - USE A MINIMUM SHELL THICKNESS OF 5/16" FOR ALL MS PILES. USE THESE SHELL THICKNESSES IN LIEU OF THOSE CALLED FOR IN SUB-SECTION 520.3.05.M AND SUB-SECTION 855.2.01.A.1 OF THE GEORGIA DOT SPECIFICATIONS.

PILE CLOSURE PLATE DETAIL - USE CLOSURE PLATE OPTION 2 AT THIS SITE IN ACCORDANCE WITH SUB-SECTION 520.3.05.M OF THE GEORGIA DOT SPECIFICATIONS.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

STANDARD PLAN MODIFICATION - MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST TO 1" AT BENTS 1 AND 5. KEEP THE EXPANSION JOINT AT END BENT CONTINUOUS AROUND END POST. INCLUDE COST OF JOINT IN APPROACH SLAB PAYMENT. SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS. DO NOT GROOVE UNDER SIDEWALK. DO NOT GROOVE UNDER RAISED MEDIAN.

EXTERIOR BEAM BRACING - THE CONTRACTOR SHALL PROVIDE BRACING IN STAGE 1 BETWEEN EXTERIOR BEAM 1 AND INTERIOR BEAM 2 AND BETWEEN EXTERIOR BEAM 5 AND INTERIOR BEAM 4 UNTIL THE DECK HAS BEEN POURED AND THE OVERHANG FORMS HAVE BEEN REMOVED. THE CONTRACTOR SHALL PROVIDE BRACING IN STAGE 2 BETWEEN EXTERIOR BEAM 11 AND INTERIOR BEAM 10 UNTIL THE DECK HAS BEEN POURED AND THE OVERHANG FORMS HAVE BEEN REMOVED. ALL COST FOR DESIGNING, PROVIDING, INSTALLING AND REMOVING BRACING SHALL BE INCLUDED IN PRICE BID FOR LUMP - SUPERSTRUCTURE CONCRETE.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

BRIDGE REMOVAL - REMOVE EXISTING BRIDGE AS PER SUB-SECTION 540.3.05 OF THE GEORGIA DOT SPECIFICATIONS.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

STEEL DIAPHRAGMS - SUBSTITUTION FOR STEEL DIAPRHAGMS IS NOT ALLOWED FOR THIS PROJECT.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MARCH 2021

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DRAWING NO. 35-0002

BRIDGE SHEET 2 OF 31

DATE | REVISIONS | BY

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 7TH EDITION, 2014
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 2, SDI = 0.163)

DESIGN VEHICLE LIVE LOAD ---------- HL-93

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS D, f'_c = 4,000 PSI
BARRIER ---------- CLASS D, f'_c = 4,000 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ---------- SEE BEAM SHEETS
SUBSTRUCTURE ---------- CLASS AA, f'_c = 3,500 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

PRETENSIONING STRANDS: ---------- f_y = 270,000 PSI

METAL SHELL PILES: ---------- GRADE 3, f_y = 45,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
207-0203	87	CY	FOUND BKFILL MATL, TP II
211-0300	600	CY	BRIDGE EXCAVATION, STREAM CROSSING
500-0100	2551	SY	GROOVED CONCRETE
500-1011	LUMP	LS	SUPERSTR CONCRETE, CL D, BR NO - 1 (756)
500-2100	551	LF	CONCRETE BARRIER
500-3002	520	CY	CLASS AA CONCRETE
507-8900	424	LF	PSC BEAMS, AASHTO TYPE I MOD, BR NO - 1
507-9003	2604	LF	PSC BEAMS, AASHTO TYPE III, BR NO - 1
511-1000	85357	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (186245)
520-1316	5570	LF	PILING IN PLACE, METAL SHELL, 16 IN OD
520-4316	1	EA	LOAD TEST, METAL SHELL, 16 IN OD (IF REQD)
523-1100	2	EA	DYNAMIC PILE TEST
525-1000	12	EA	COFFERDAM
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 562+54
603-2024	1605	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1605	SY	PLASTIC FILTER FABRIC
620-0100	602	LF	TEMPORARY BARRIER, METHOD NO. 1

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0003

BRIDGE SHEET 3 OF 31

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

GENERAL NOTES

SR 25 (US 17) OVER THORNHILL CREEK

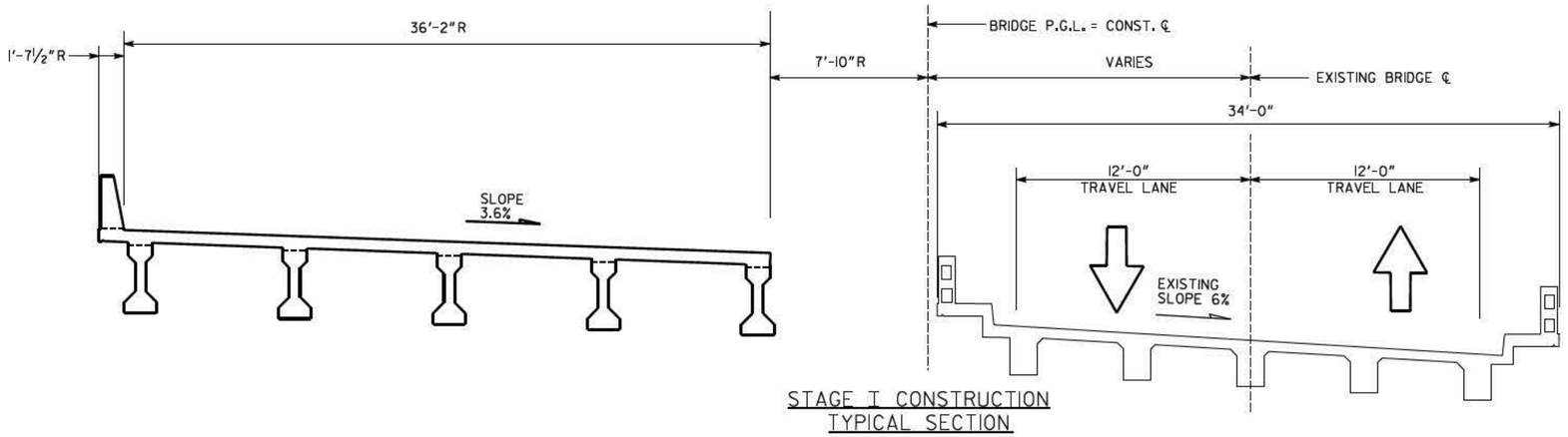
GLYNN COUNTY 0016985

NO SCALE MARCH 2021

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DATE | REVISIONS | BY

P.I. NO. 0016985



STAGE I CONSTRUCTION TYPICAL SECTION

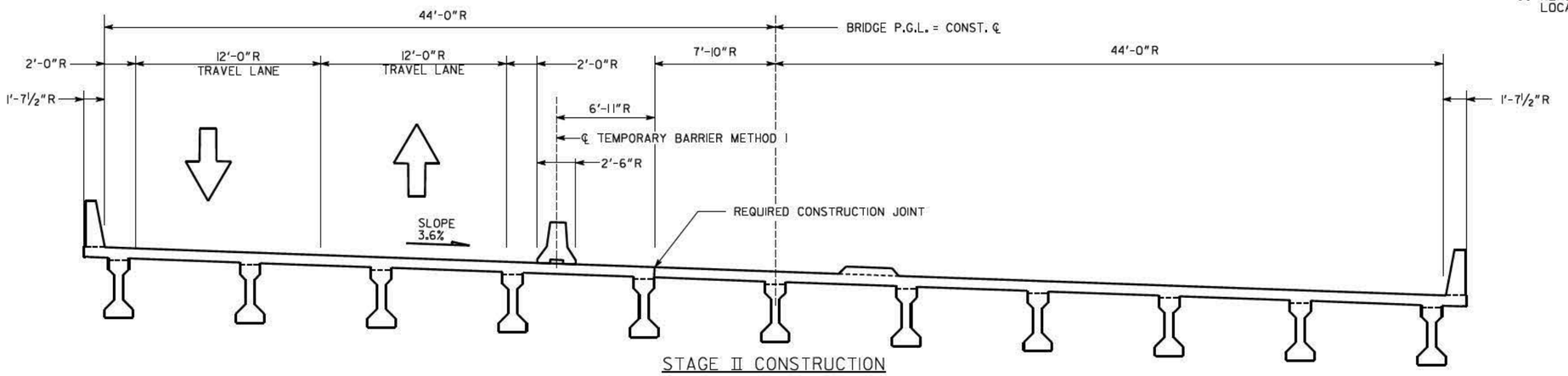
SPAN 2 SHOWN (LOOKING AHEAD)

R - RADIAL DIMENSION

CONSTRUCTION SEQUENCE

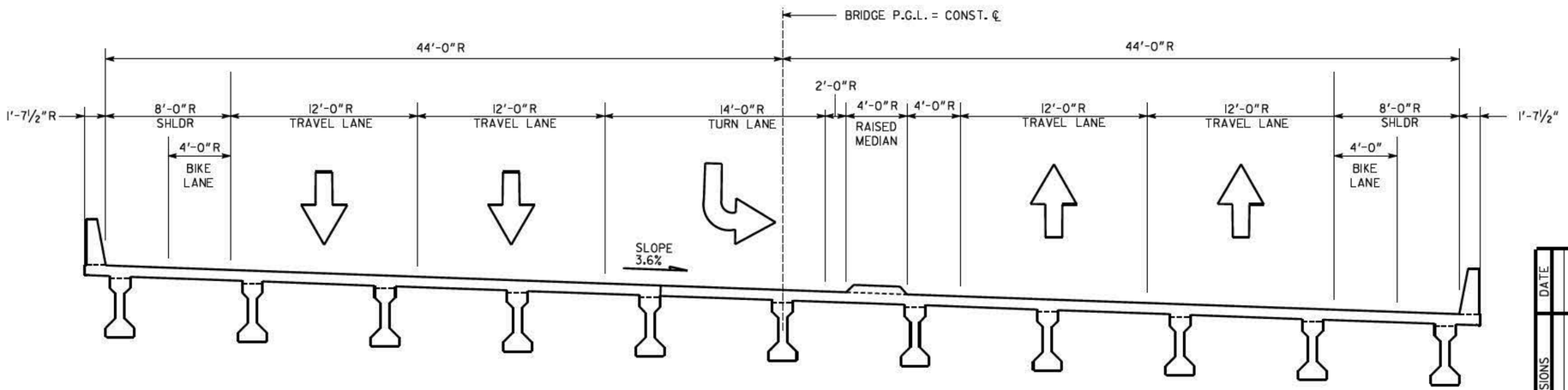
1. PLACE TEMPORARY SHORING AS NECESSARY. MAINTAIN 2 - 12'-0" TRAFFIC LANES ON EXISTING BRIDGE.
2. BUILD STAGE I ACCORDING TO PLANS.
3. PLACE TEMPORARY BARRIER ACCORDING TO PLANS. SHIFT TRAFFIC TO STAGE I CONSTRUCTION, MAINTAINING 2 - 12'-0" TRAVEL LANES.
4. REMOVE EXISTING BRIDGE.
5. COMPLETE STAGE II CONSTRUCTION ACCORDING TO PLANS.
6. REMOVE TEMPORARY BARRIER, SHIFT TRAFFIC TO PERMANENT LOCATIONS, AND OPEN COMPLETED BRIDGE TO TRAFFIC.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS. IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR APPROVAL.



STAGE II CONSTRUCTION TYPICAL SECTION

SPAN 2 SHOWN (LOOKING AHEAD)



COMPLETE DECK SECTION

SPAN 2 SHOWN (LOOKING AHEAD)

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0004

BRIDGE SHEET 4 OF 31

BRIDGE NO. 1

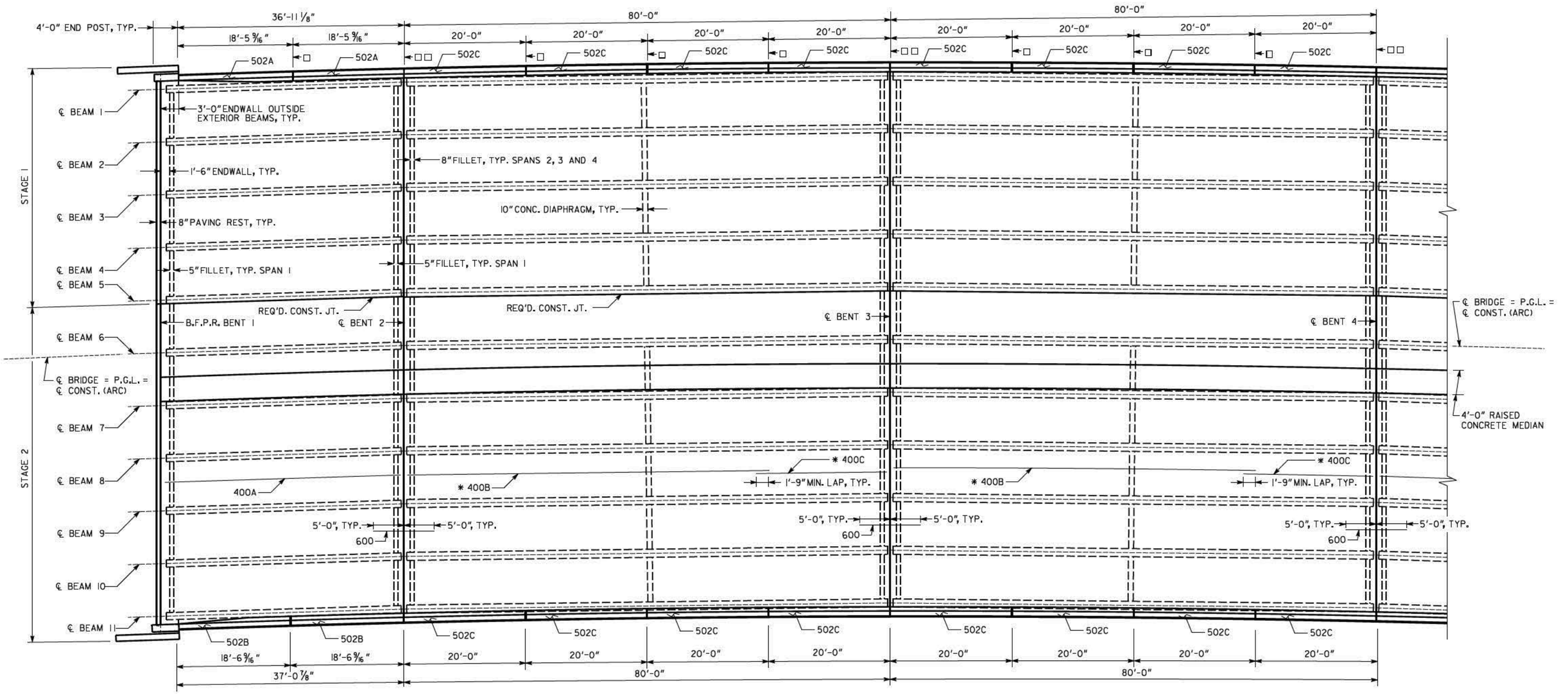
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

CONSTRUCTION STAGING
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

NO SCALE MAY 2017

DESIGNED	RCM/JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	RCM/JTM	DESIGN GROUP	DLW	APPROVED	WMD

REVISIONS — DATE — BY



STAGE 1 SUPERSTRUCTURE QUANTITIES					
ITEM	SPAN 1	SPAN 2	SPAN 3	SPAN 4	SUBTOTAL
LUMP - SUPERSTR. CONCRETE, CU. YDS., CLASS "D"	45.3	83.4	83.4	90.4	302.5
LUMP - SUPERSTR. REINF. STEEL, LBS.	12486	22403	22403	22880	80172

STAGE 2 SUPERSTRUCTURE QUANTITIES					
ITEM	SPAN 1	SPAN 2	SPAN 3	SPAN 4	SUBTOTAL
LUMP - SUPERSTR. CONCRETE, CU. YDS., CLASS "D"	69.0	124.7	124.7	134.7	453.1
LUMP - SUPERSTR. REINF. STEEL, LBS.	16519	29686	29686	30182	106073

END POST CONCRETE AND BAR REINFORCEMENT STEEL INCLUDED IN END SPAN QUANTITIES.
600 BARS ARE INCLUDED IN SPAN 1, 2 AND 3 QUANTITIES.

NOTES:
1. DIMENSIONS FOR BARRIER JOINTS ARE ARC DISTANCES MEASURED ALONG GUTTER LINE.
□ ℄ 1" EXPANSION JOINT IN BARRIER, TYP.
□□ ℄ 1" EXPANSION JOINT IN BARRIER AND REQUIRED CONSTRUCTION JOINT IN SLAB, TYP.
* LAP 400B AND 400C BARS A MINIMUM OF 1'-9". LENGTHS GIVEN IN THE BAR REINFORCEMENT SCHEDULE INCLUDE LAP LENGTHS. ALTERNATE LAP LOCATIONS SO NO MORE THAN 50 PERCENT OF LAPS OCCUR AT THE SAME LOCATION.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

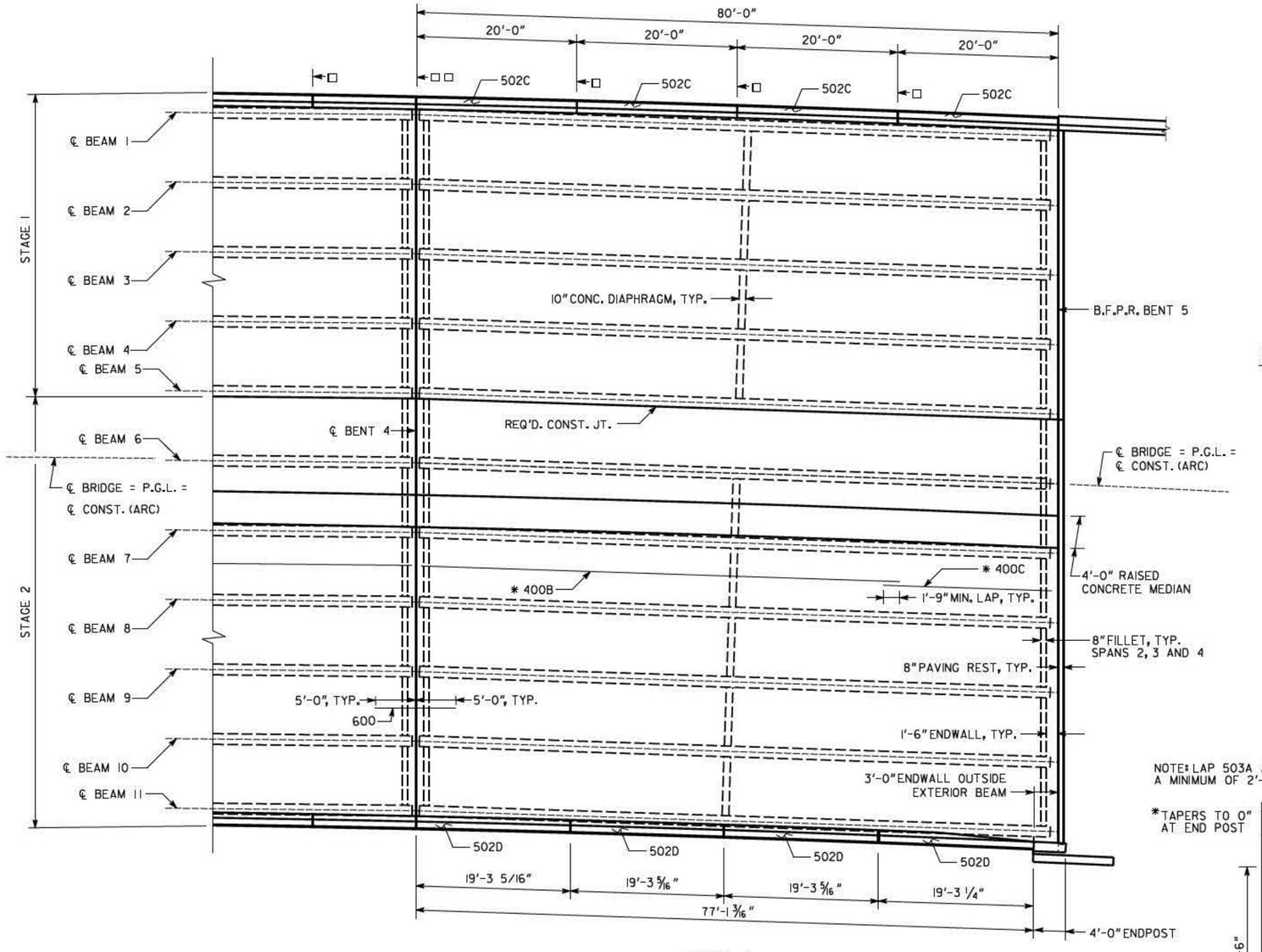
DECK PLAN - SHEET 1
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: 1/8" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

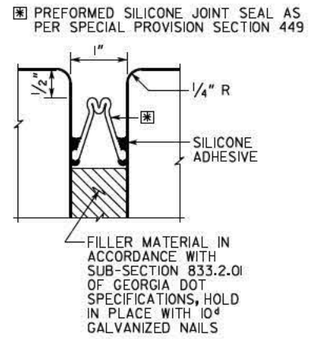
DRAWING NO. 35-0005
BRIDGE SHEET 5 OF 31

DATE | REVISIONS | BY

DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

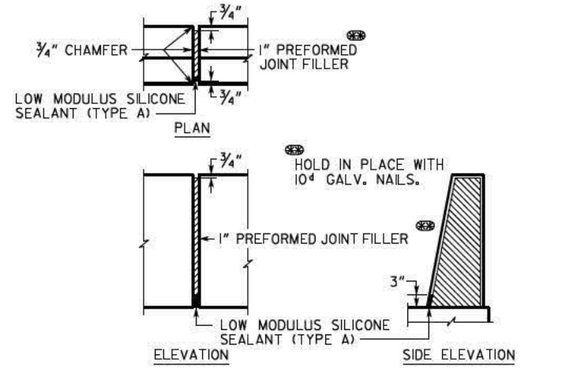


SPAN 4



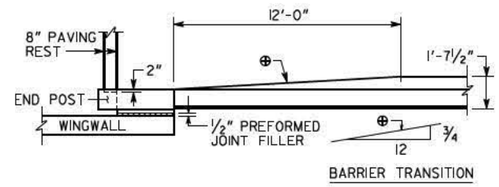
EXPANSION JOINT DETAIL

END BENT 5
NO SCALE



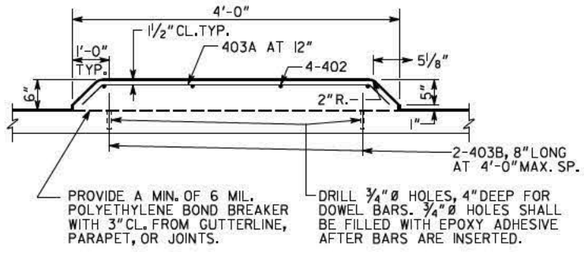
DETAILS OF 1" EXPANSION JOINT IN BARRIER

NO SCALE



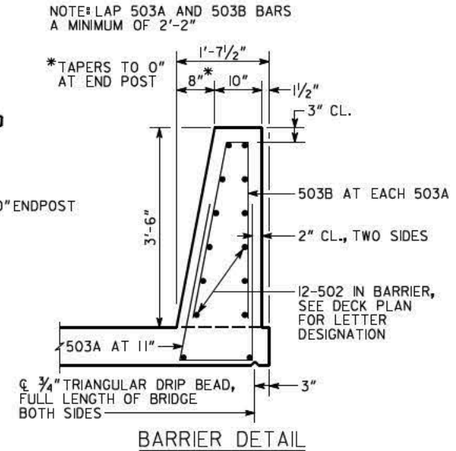
BARRIER TRANSITION DETAIL

SCALE: 1/4" = 1'-0"



MEDIAN DETAIL

NO SCALE



BARRIER DETAIL

SCALE: 3/4" = 1'-0"

NOTES:
1. DIMENSIONS FOR BARRIER JOINTS ARE ARC DISTANCES MEASURED ALONG GUTTER LINE.
□ ℄ 1" EXPANSION JOINT IN BARRIER, TYP.
□□ ℄ 1" EXPANSION JOINT IN BARRIER AND REQUIRED CONSTRUCTION JOINT IN SLAB, TYP.
* LAP 400B AND 400C BARS A MINIMUM OF 1'-9". LENGTHS GIVEN IN THE BAR REINFORCEMENT SCHEDULE INCLUDE LAP LENGTHS. ALTERNATE LAP LOCATIONS SO NO MORE THAN 50 PERCENT OF LAPS OCCUR AT THE SAME LOCATION.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK PLAN - SHEET 2

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

SCALE: 1/8" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

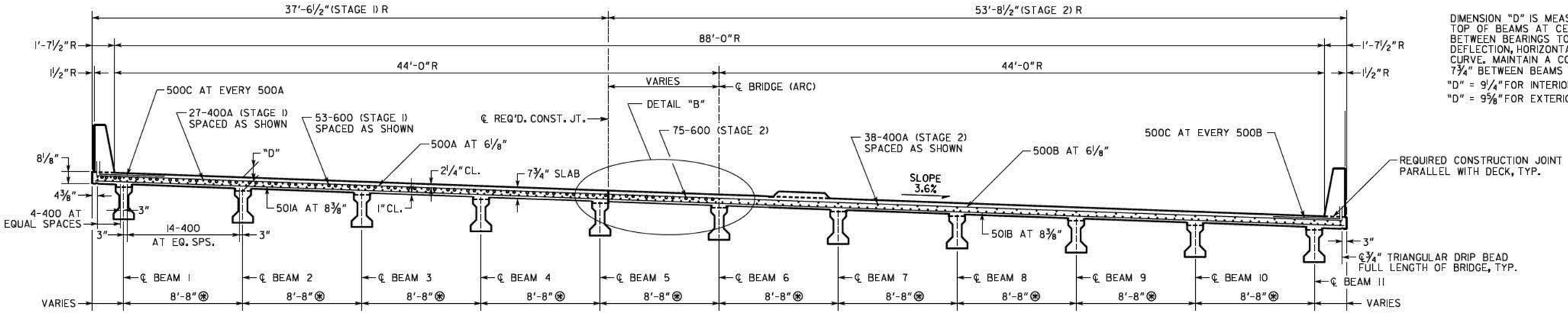
DRAWING NO. 35-0006

BRIDGE SHEET 6 OF 31

DATE | REVISIONS | BY

DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

⊛ DIMENSION MEASURED PERPENDICULAR TO BEAMS
R = RADIAL DIMENSION

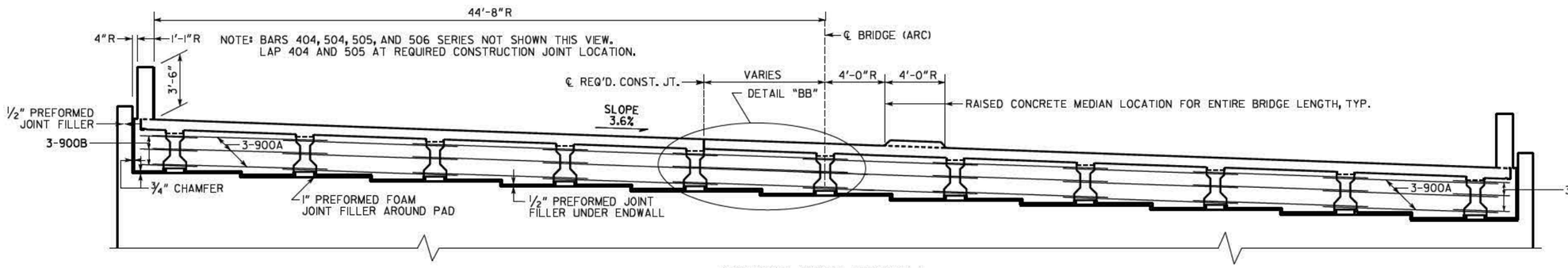


DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION, HORIZONTAL BEAM THROW AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 7¾" BETWEEN BEAMS AND 8⅛" AT THE OVERHANGS.
"D" = 9¼" FOR INTERIOR BEAMS
"D" = 9⅝" FOR EXTERIOR BEAMS

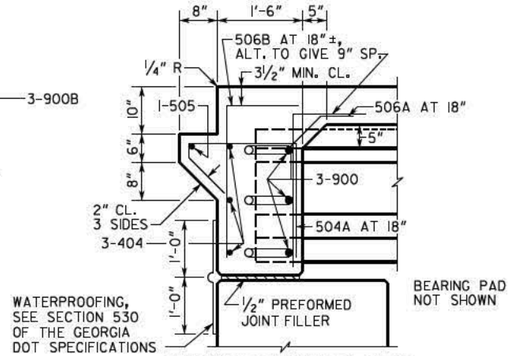
HALF SECTION THRU SLAB AT INTER. BENT

HALF SECTION THRU SLAB

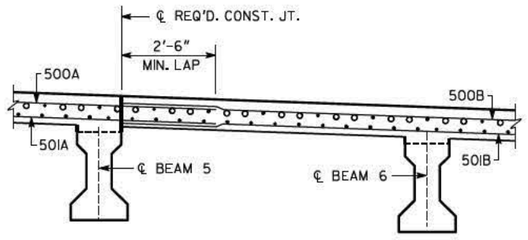
NOTE: PLACE 500A AND 501A BARS SO SPACING IS SET ALONG LEFT EDGE OF DECK. PLACE 500B AND 501B BARS TO LAP WITH 500A AND 501A RESPECTIVELY.



SECTION THRU ENDWALL

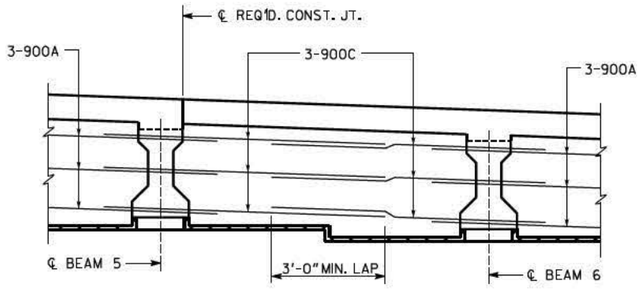


SECTION AT ENDWALL
SCALE: ¾"= 1'-0"



DETAIL "B"

SLAB REINFORCEMENT LAP DETAILS AT INTER. BENT
SCALE: ½"= 1'-0"



DETAIL "BB"

SLAB REINFORCEMENT LAP DETAILS AT END BENT
SCALE: ½"= 1'-0"

BAR LAP TABLE	
BAR SIZE	MIN. LAP
4	1'-9"
5	2'-6"
8	4'-6"
9	3'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

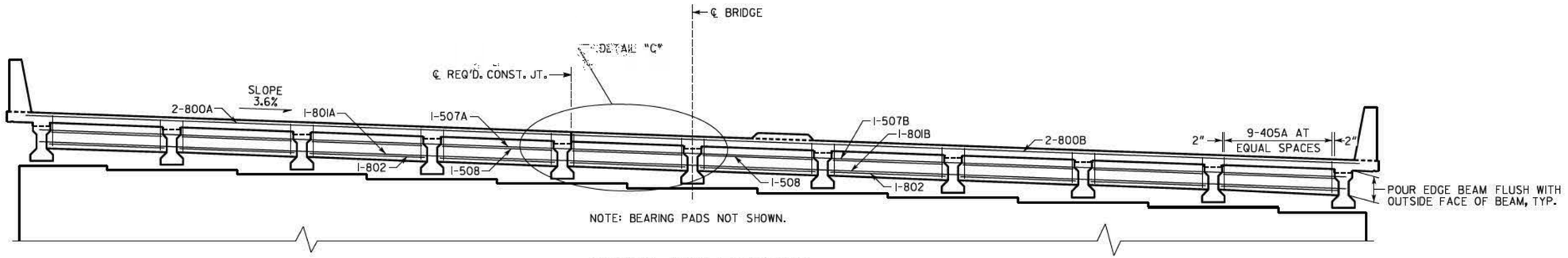
DECK SECTIONS - SPAN 1
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: ¼"= 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

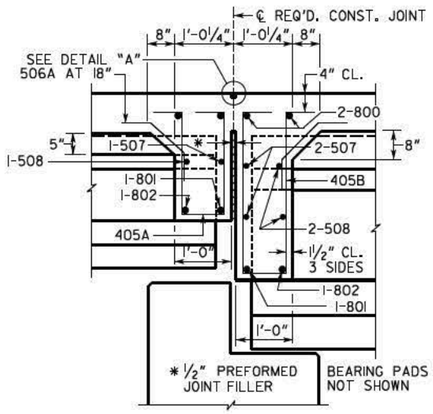
DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0007
BRIDGE SHEET 7 OF 31

DATE | REVISIONS | BY



SECTION THRU EDGEBEAM

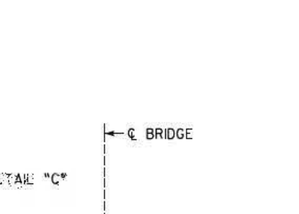


SLAB REINFORCEMENT NOT SHOWN

SECTION THRU EDGE BEAM

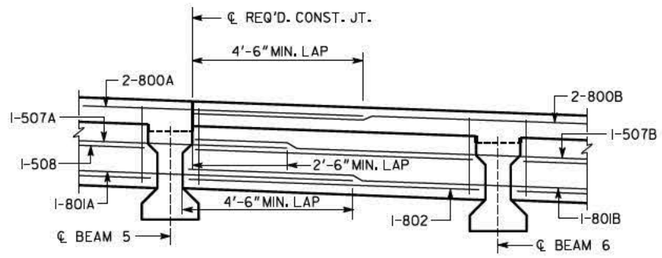
BENT 2

SCALE: ¾" = 1'-0"



DETAIL "A"

NO SCALE



DETAIL "C"

EDGE BEAM REINFORCEMENT LAP DETAILS

SCALE: ½" = 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - SPAN 1

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

SCALE: ¼" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

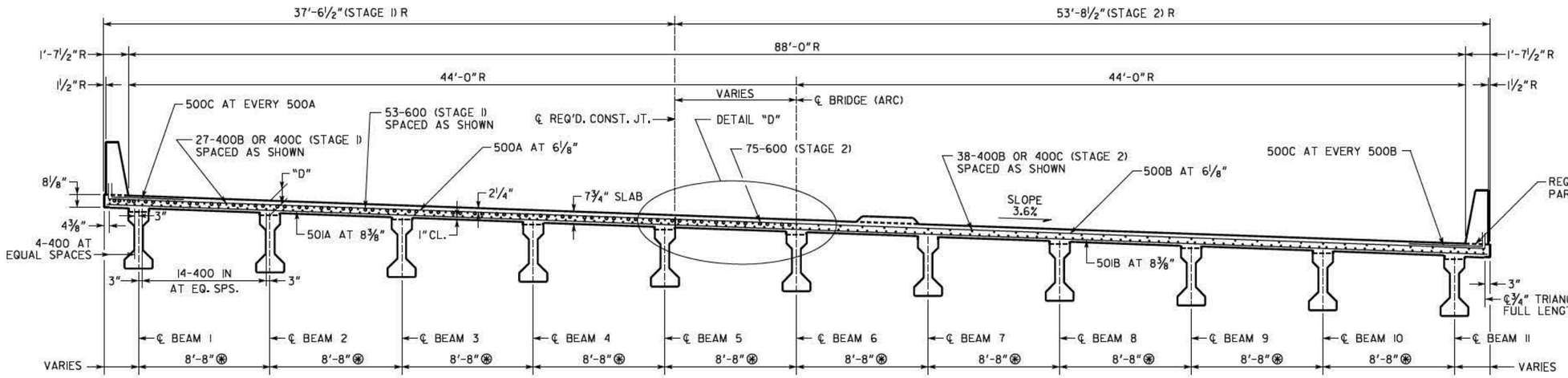
DRAWING NO. 35-0008

BRIDGE SHEET 8 OF 31

REVISIONS | DATE | BY

GDOT | P.I. NO. 0016985

⊛ DIMENSION MEASURED PERPENDICULAR TO BEAMS
R = RADIAL DIMENSION

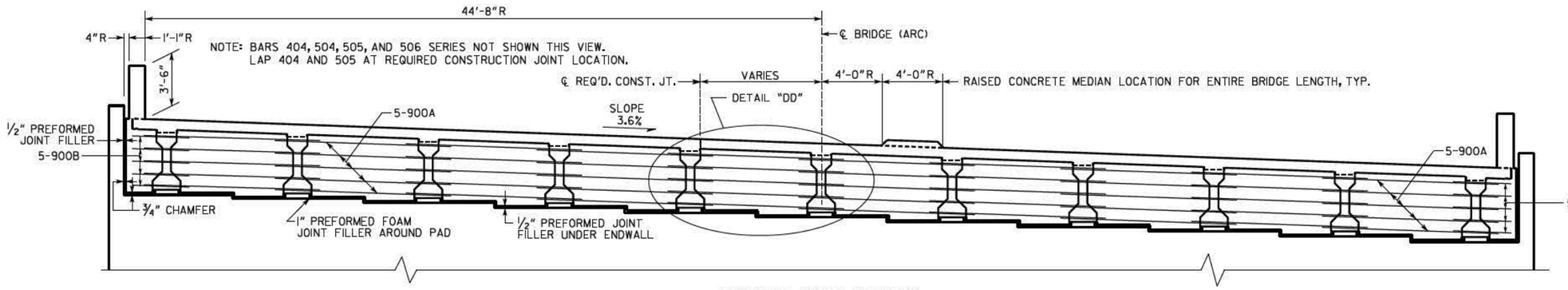


DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION, HORIZONTAL BEAM THROW AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 7¾" BETWEEN BEAMS AND 8⅛" AT THE OVERHANGS.
"D" = 9⅝" FOR INTERIOR BEAMS IN SPANS 2 AND 3
"D" = 10⅜" FOR EXTERIOR BEAMS IN SPANS 2 AND 3
"D" = 10⅛" FOR INTERIOR BEAMS IN SPAN 4
"D" = 10⅞" FOR EXTERIOR BEAMS IN SPAN 4

HALF SECTION THRU SLAB AT INTER. BENT

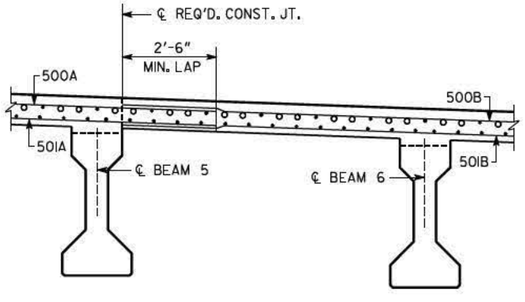
HALF SECTION THRU SLAB

NOTE: PLACE 500A AND 501A BARS SO SPACING IS SET ALONG LEFT EDGE OF DECK. PLACE 500B AND 501B BARS TO LAP WITH 500A AND 501A RESPECTIVELY.



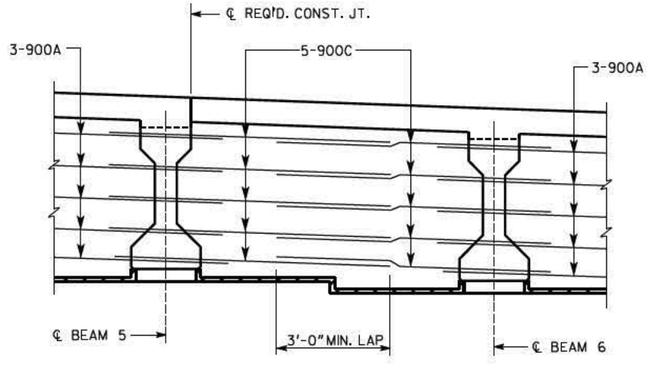
SECTION THRU ENDWALL

SECTION AT ENDWALL
SCALE: ¾" = 1'-0"



DETAIL "D"

SLAB REINFORCEMENT LAP DETAILS AT INTER. BENT
SCALE: ½" = 1'-0"



DETAIL "DD"

SLAB REINFORCEMENT LAP DETAILS AT END BENT
SCALE: ½" = 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - SPAN 2 THRU 4
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: ¼" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

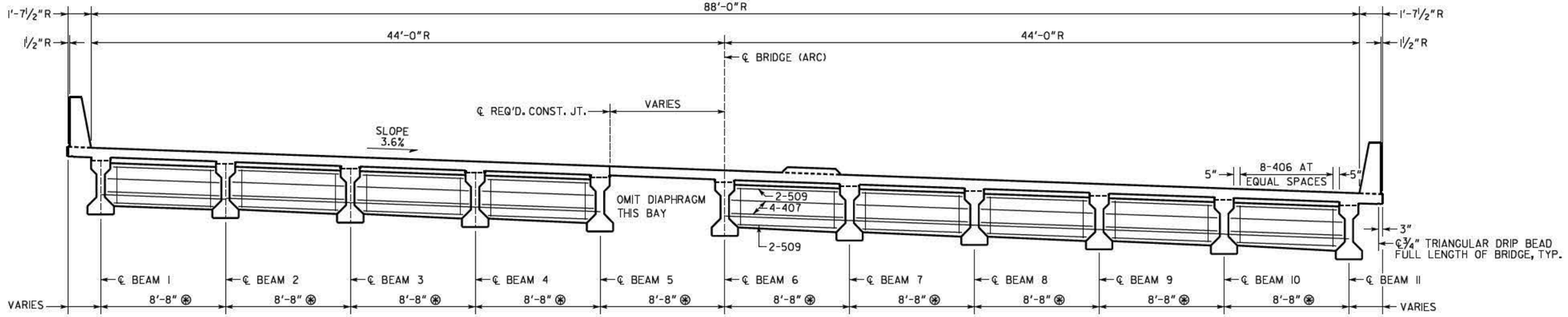
DRAWING NO. 35-0009
BRIDGE SHEET 9 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

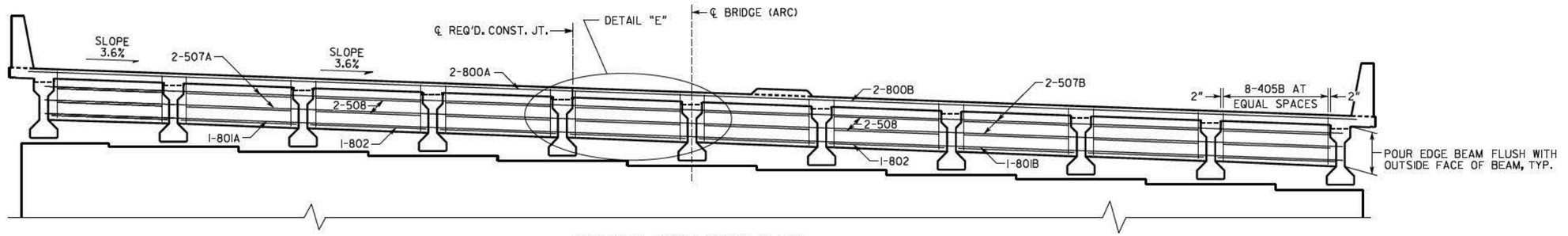
DATE | REVISIONS | BY

P.I. NO. 0016985

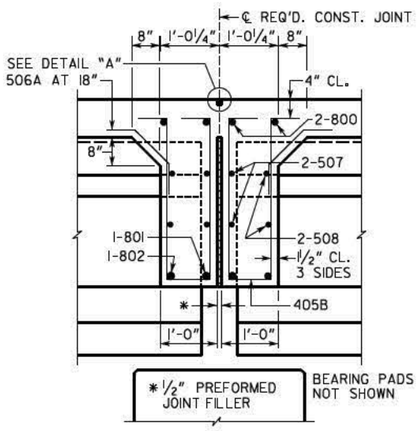
⊛ DIMENSION MEASURED PERPENDICULAR TO BEAMS
R = RADIAL DIMENSION



SECTION THRU DIAPHRAGM



SECTION THRU EDGE BEAM

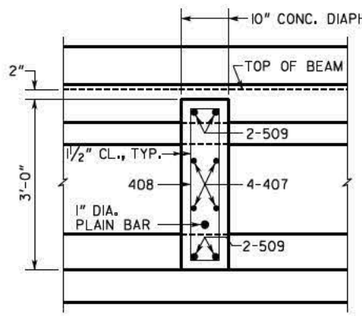


SLAB REINFORCEMENT NOT SHOWN

SECTION THRU EDGE BEAM

BENT 3 AND 4

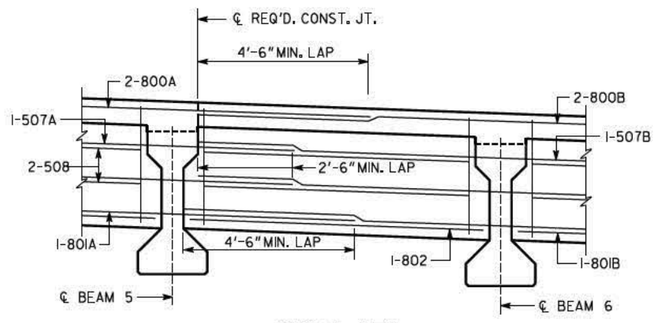
SCALE: ¾"= 1'-0"



SLAB REINFORCEMENT NOT SHOWN

SECTION THRU DIAPHRAGM

SCALE: ¾"= 1'-0"



DETAIL "E"

EDGE BEAM REINFORCEMENT LAP DETAILS

SCALE: ½"= 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - SPAN 2 THRU 4
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

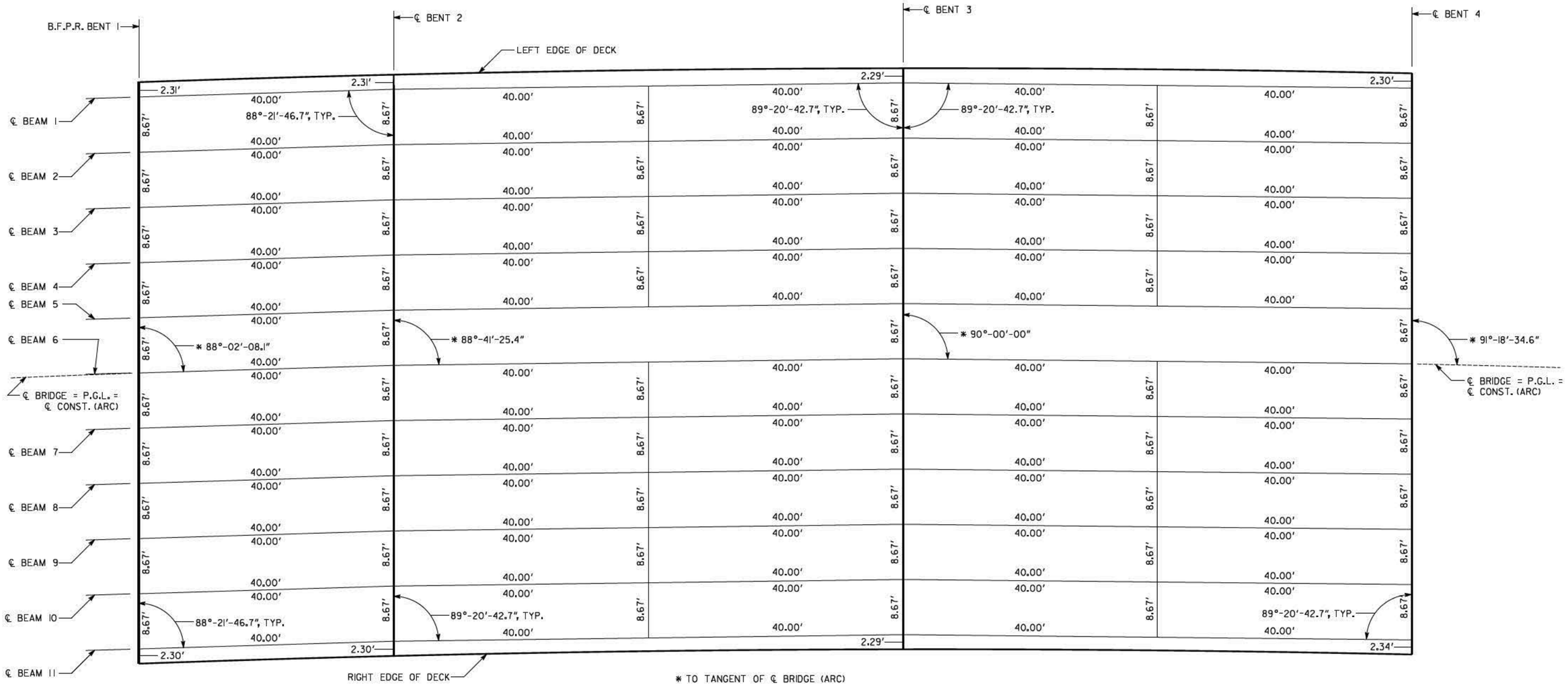
SCALE: ¼"= 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

DRAWING NO. 35-0010

BRIDGE SHEET 10 OF 31

DATE | REVISIONS | BY



SPAN 1 SPAN 2 SPAN 3

NOTES:

1. FOR EACH SPAN THE ℄ OF ALL BEAMS ARE PARALLEL TO THE CHORD OF AN ARC OF THE PROFILE GRADE LINE FROM ℄ BENT TO B.F.P.R. OR ℄ BENT. EACH BACK BEAM INTERSECTS THE ℄ INTERMEDIATE BENT AT THE SAME POINT AS THE CORRESPONDING AHEAD BEAM.
2. DIMENSIONS ALONG BEAMS ARE MEASURED FROM ℄ DIAPHRAGM TO ℄ BENT OR B.F.P.R. FOR ALL SPANS.
3. ALL BENTS ARE PARALLEL TO ℄ BENT 3.
4. ALL ℄ DIAPHRAGMS ARE PARALLEL TO ℄ BENTS.
5. ALL DIMENSIONS ALONG DIAPHRAGMS ARE MEASURED FROM ℄ BEAM TO ℄ BEAM.
6. OMIT DIAPHRAGMS BETWEEN BEAM 5 AND BEAM 6 IN SPANS 2, 3 AND 4.

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0011

BRIDGE SHEET 11 OF 31

BRIDGE NO. 1

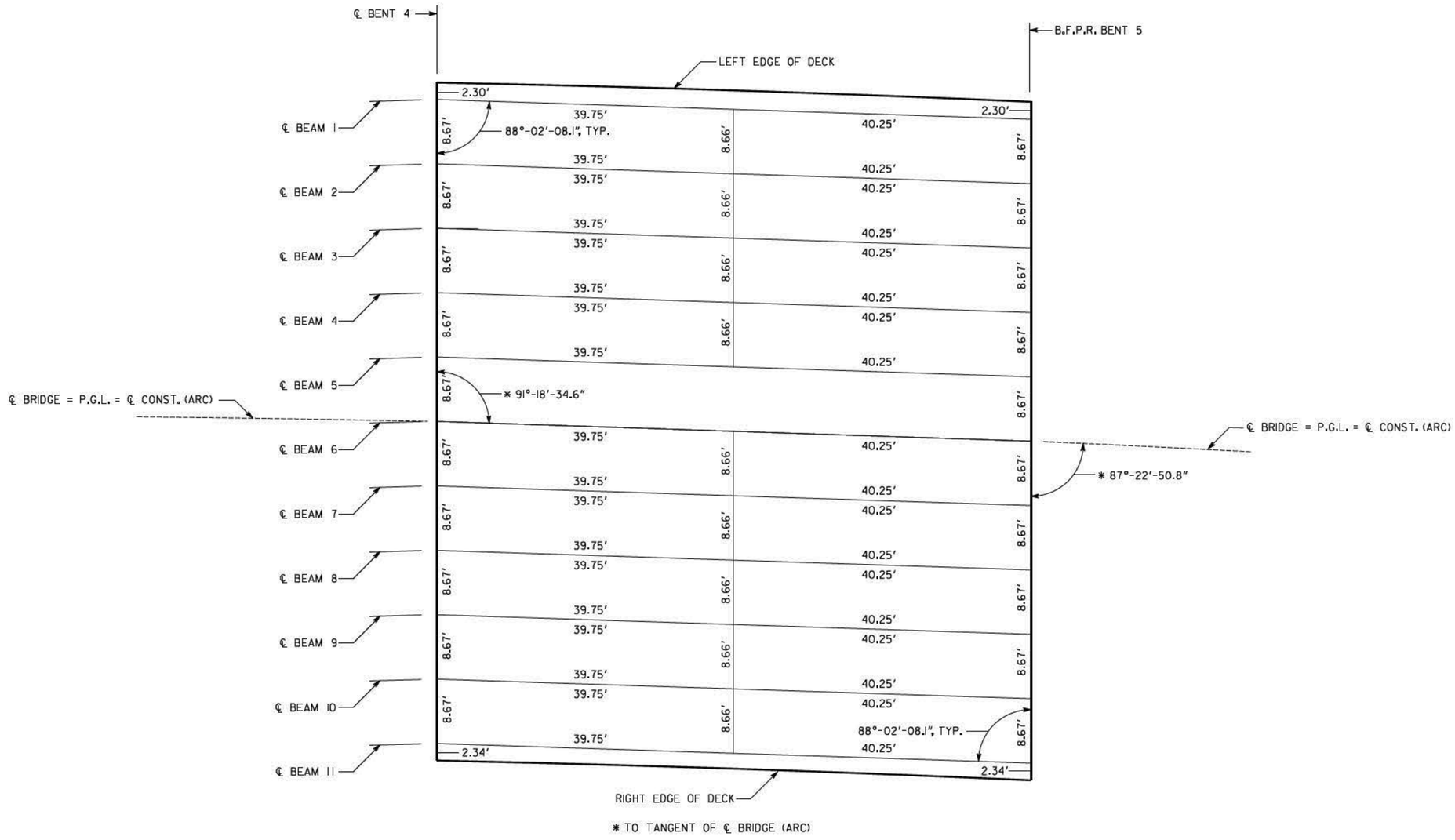
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEAM CHORD LAYOUT SPANS 1, 2 AND 3
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: 1/8"= 1-0"(UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

REVISIONS | DATE | BY



* TO TANGENT OF ℄ BRIDGE (ARC)

SPAN 4

NOTES:

1. FOR EACH SPAN THE ℄ OF ALL BEAMS ARE PARALLEL TO THE CHORD OF AN ARC OF THE PROFILE GRADE LINE FROM ℄ BENT TO B.F.P.R. OR ℄ BENT. EACH BACK BEAM INTERSECTS THE ℄ INTERMEDIATE BENT AT THE SAME POINT AS THE CORRESPONDING AHEAD BEAM.
2. DIMENSIONS ALONG BEAMS ARE MEASURED FROM ℄ DIAPHRAGM TO ℄ BENT OR B.F.P.R. FOR ALL SPANS.
3. ALL BENTS ARE PARALLEL TO ℄ BENT 3.
4. ALL ℄ DIAPHRAGMS ARE PARALLEL TO ℄ BENTS.
5. ALL DIMENSIONS ALONG DIAPHRAGMS ARE MEASURED FROM ℄ BEAM TO ℄ BEAM.
6. OMIT DIAPHRAGMS BETWEEN BEAM 5 AND BEAM 6 IN SPANS 2, 3 AND 4.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

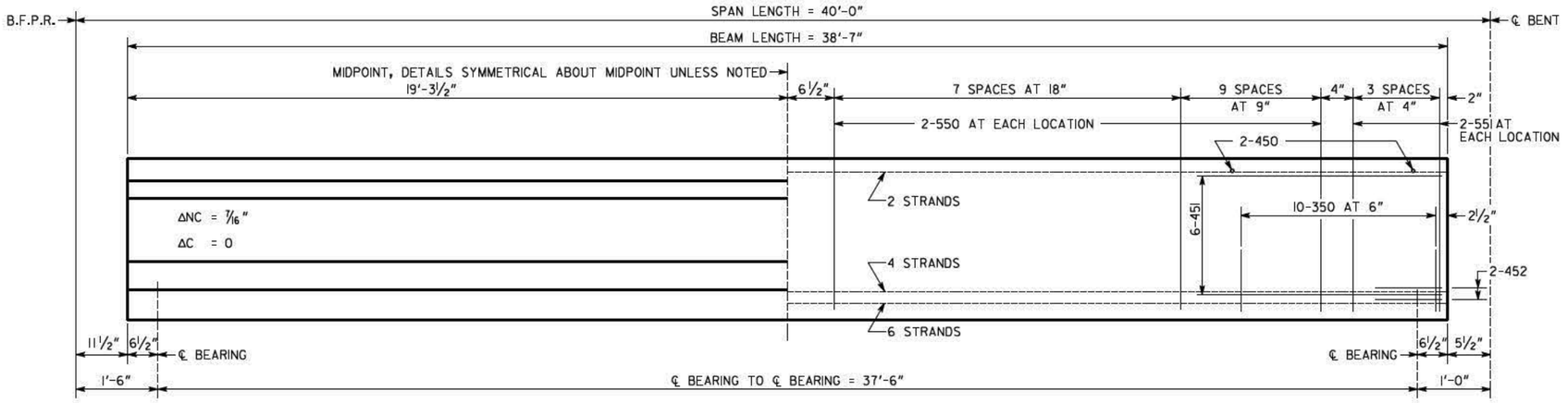
BEAM CHORD LAYOUT SPAN 4
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE 1/8"= 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

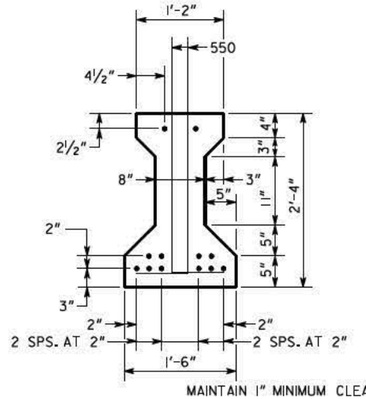
DRAWING NO. 35-0012
BRIDGE SHEET 12 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

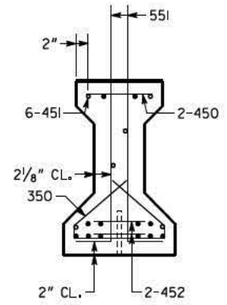
DATE | REVISIONS | BY



ELEVATION



SECTION AT MIDPOINT



SECTION AT END

MAINTAIN 1" MINIMUM CLEARANCE UNLESS SHOWN.
• INDICATES 0.6" DIAMETER PRESTRESSED STRANDS.

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 3'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
2. CHAMFER EDGES OF BEAMS ½" OR ¾".
3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE ⅛" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
4. AT ℄ BEARING, FORM A 1¾" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1¾" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1½" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
6. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
7. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER AND RAISED MEDIAN.
8. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
9. PRESTRESSING DATA IS AS FOLLOWS:
   A. USE 12 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
   B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 4,500 PSI.
   C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 527,316 LBS.
   D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 419,075 LBS.
10. CONCRETE STRENGTH (f'_c) = 5,000 PSI.
11. ALLOWABLE PSC BEAM TENSION = 425 PSI.

REINFORCEMENT

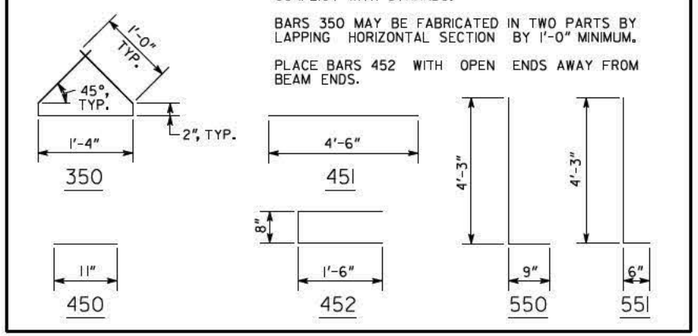
ALL BAR DIMENSIONS ARE OUT TO OUT.

AT THE TOP OF THE BEAM, BARS 550 AND 551 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT.

SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS.

BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM.

PLACE BARS 452 WITH OPEN ENDS AWAY FROM BEAM ENDS.



BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

TYPE I MOD PSC BEAM - END SPAN 1

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MAY 2017

DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

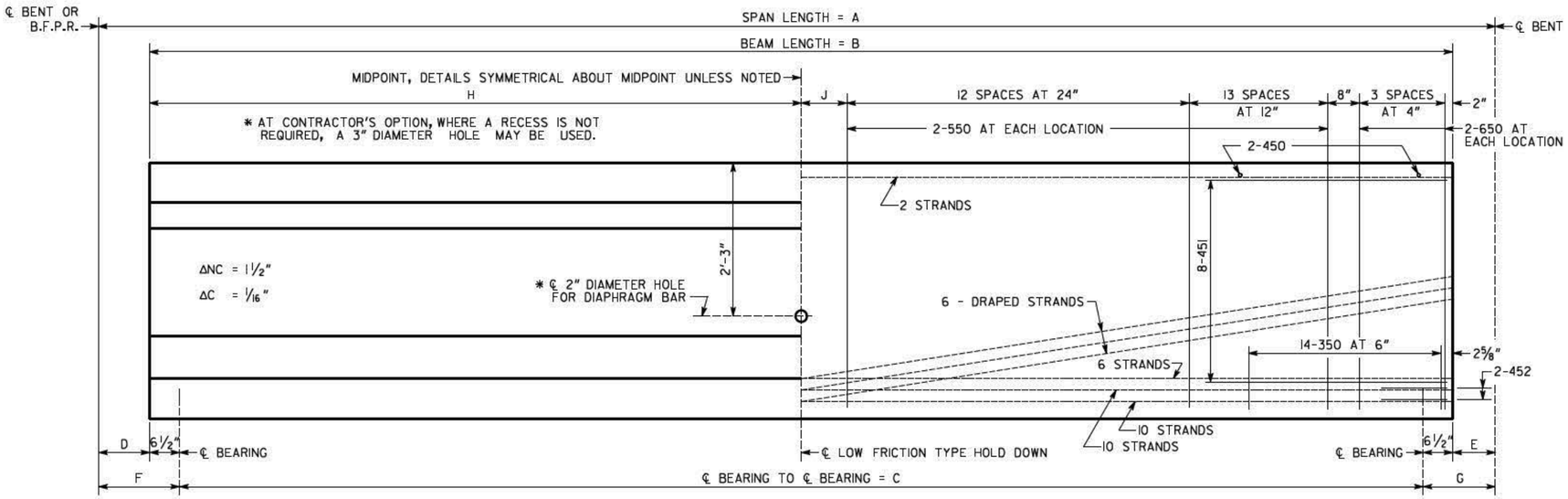
DRAWING NO. 35-0013

BRIDGE SHEET 13 OF 31

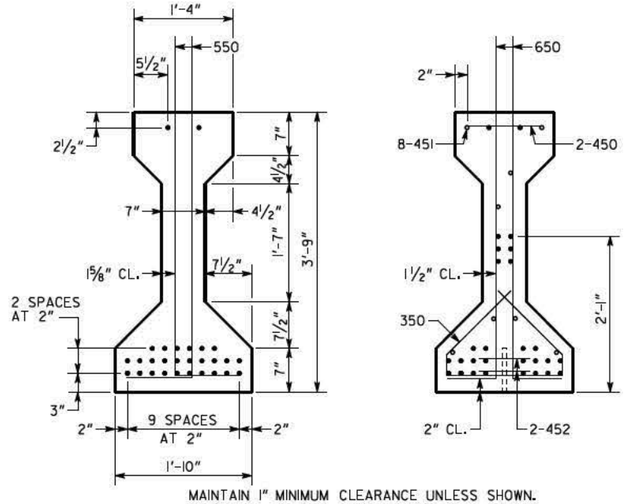
DATE | REVISIONS | BY

1 INCH WHEN PRINTED FULL SIZE

P.I. NO. 0016985



ELEVATION



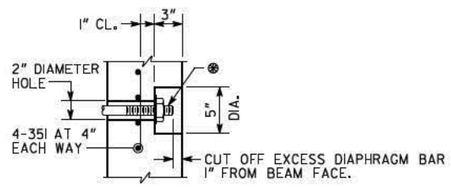
MAINTAIN 1" MINIMUM CLEARANCE UNLESS SHOWN.
• INDICATES 0.6" DIAMETER PRESTRESSED STRANDS.

SECTION AT MIDPOINT SECTION AT END

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 5'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
2. CHAMFER EDGES OF BEAMS ½" OR ¾".
3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE ⅛" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
4. AT ℄ BEARING, FORM A 1¾" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1¾" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1½" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
6. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
7. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER AND RAISED MEDIAN.
8. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
9. PRESTRESSING DATA IS AS FOLLOWS:
   A. USE 28 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
   B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 6,000 PSI.
   C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 1,230,404 LBS.
   D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 956,445 LBS.
10. CONCRETE STRENGTH (f'_c) = 6,500 PSI.
11. ALLOWABLE PSC BEAM TENSION = 484 PSI.

DIMENSIONS									
SPAN	A	B	C	D	E	F	G	H	J
2 AND 3	80-0"	79'-1"	78'-0"	5½"	5½"	1'-0"	1'-0"	39'-6½"	8½"
4	80-0"	78'-7"	77'-6"	11½"	5½"	1'-6"	1'-0"	39'-3½"	5½"



⊛ DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH ¼" X 3½" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36).

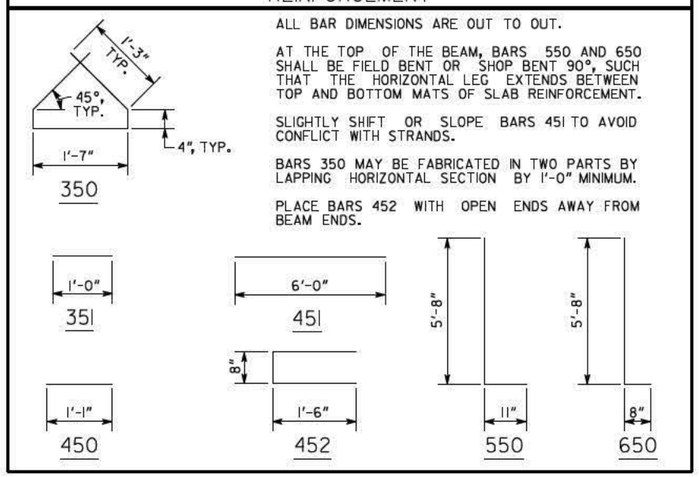
TIGHTEN DIAPHRAGM BAR AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS.

AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, PAINT DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, FILL THE RECESS WITH AN APPROVED EPOXY GROUT.

GALVANIZING OF THE DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS

REINFORCEMENT



BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

TYPE III PSC BEAM - SPANS 2, 3, 4

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

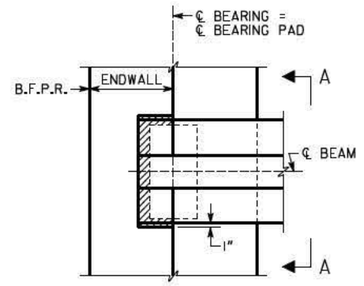
NO SCALE MAY 2017

DESIGNED JTM CHECKED ASA REVIEWED DLC/SKG
DRAWN JTM DESIGN GROUP DLW APPROVED WMD

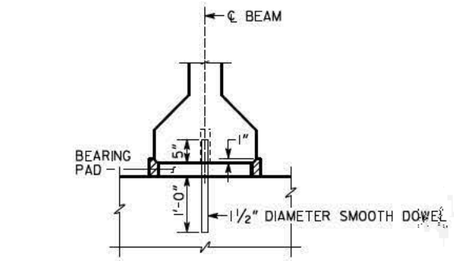
DRAWING NO. 35-0014
BRIDGE SHEET 14 OF 31

DATE / REVISIONS / BY

1 INCH WHEN PRINTED FULL SIZE



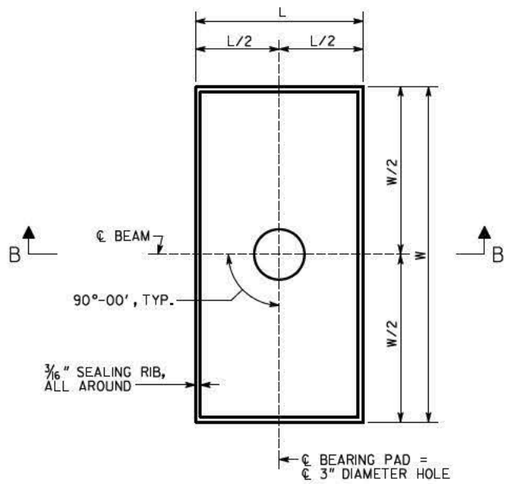
PLAN
BENT 1 SHOWN
BENT 5 SIMILAR



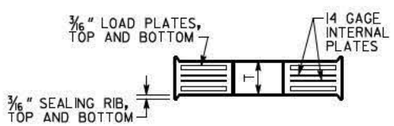
PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A



PLAN



SECTION B-B

BEARING PAD

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
2. 1½" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 50.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.

BENT	BEARING PADS							
						DESIGN LOADS (KIPS)		
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	16"	9"	2¾"	3	⅞"	43.7	56.9	100.6
2B	16"	9"	2¾"	3	⅝"	34.2	56.9	91.1
2A, 4B, 4A	20"	9"	2¾"	3	7/16"	78.6	76.1	154.7
3B & 3A	20"	9"	2¾"	3	0	78.6	76.1	154.7
5	20"	9"	2¾"	3	⅞"	88.5	76.1	164.6

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEARING PAD DETAILS

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

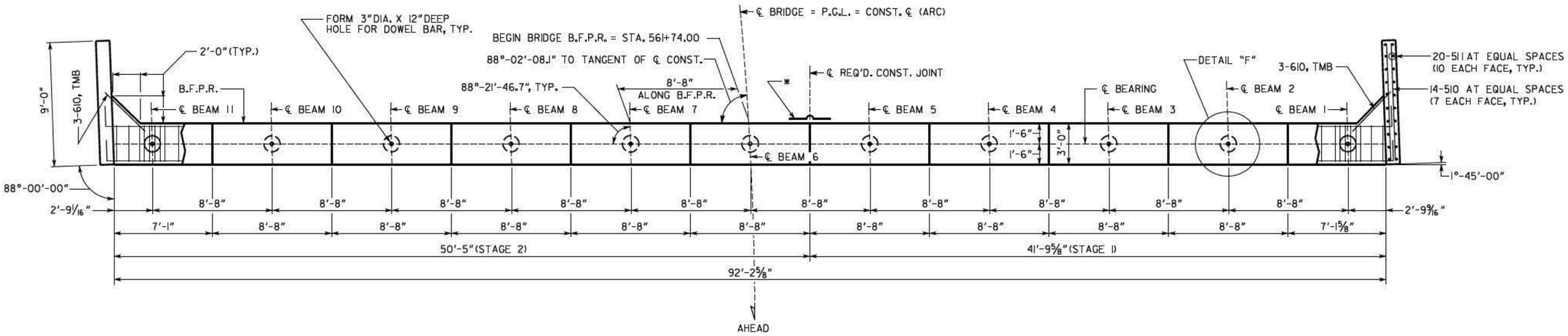
NO SCALE MAY 2017

DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

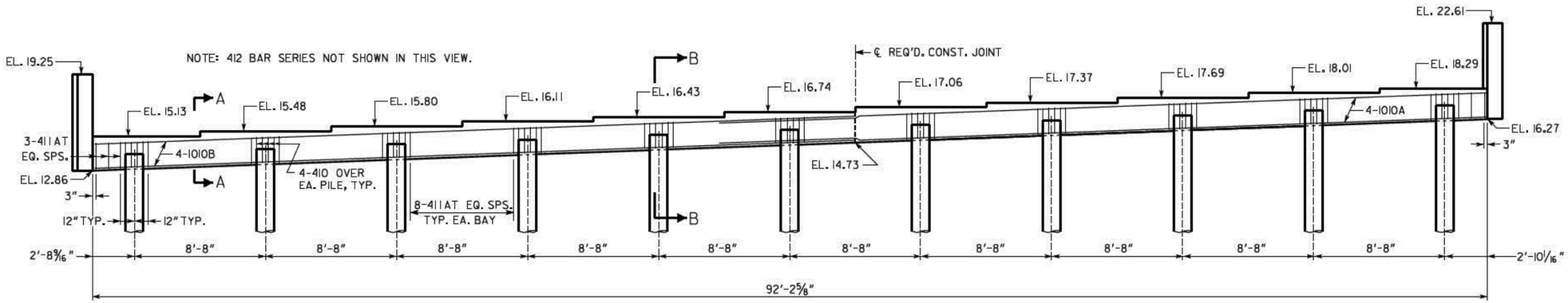
DRAWING NO. 35-0015
BRIDGE SHEET 15 OF 31

REVISIONS | DATE | BY

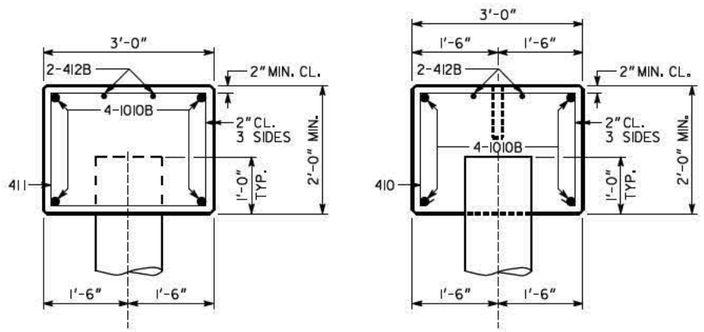
1 INCH WHEN PRINTED FULL SIZE



PLAN

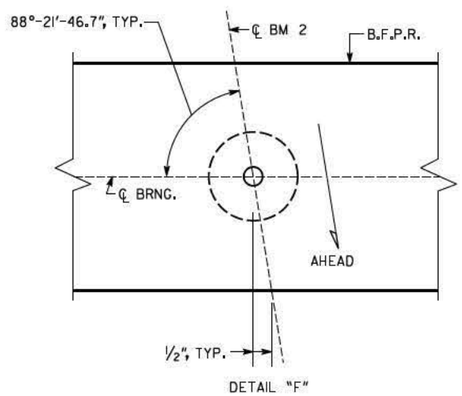


ELEVATION
BENT 1
(LOOKING BACK)



SECTION A-A
SCALE: 3/4" = 1'-0"

SECTION B-B
SCALE: 3/4" = 1'-0"



DETAIL "F"

TYPICAL DIMENSION
NO SCALE
BEAM ANGLE IS EXAGGERATED

NOTES:

1. POUR WINGWALLS MONOLITHICALLY WITH CAP.
2. LAP 412 BARS 1'-9" MIN. AND LAP 1010 BARS 7'-3" MIN.
3. FOR DRAINAGE DETAILS AT END BENT, SEE GEORGIA STANDARD 9037.
4. BOTTOM OF WINGWALLS ARE LEVEL.
5. * PROVIDE 3-PLY WATERPROOFING 1'-6" ON EACH SIDE OF CONSTRUCTION JOINT.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 184 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 283 KIPS AFTER A MINIMUM TIP ELEVATION OF -36 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES		
ITEM	BENT 1LT.	BENT 1RT.
CU YD CLASS "AA" CONCRETE	11.9	14.4
LB BAR REINFORCEMENT STEEL	1554	1654

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0016

BRIDGE SHEET 16 OF 31

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DATE | REVISIONS | BY

END BENT 1

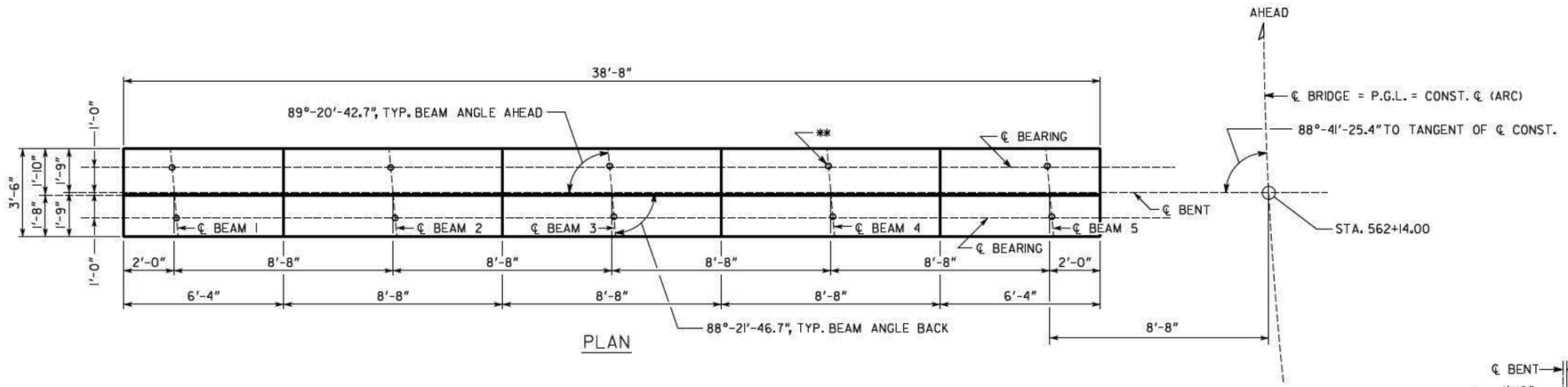
SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

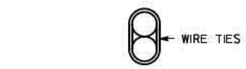
SCALE: 1/4" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

P.I. NO. 0016985

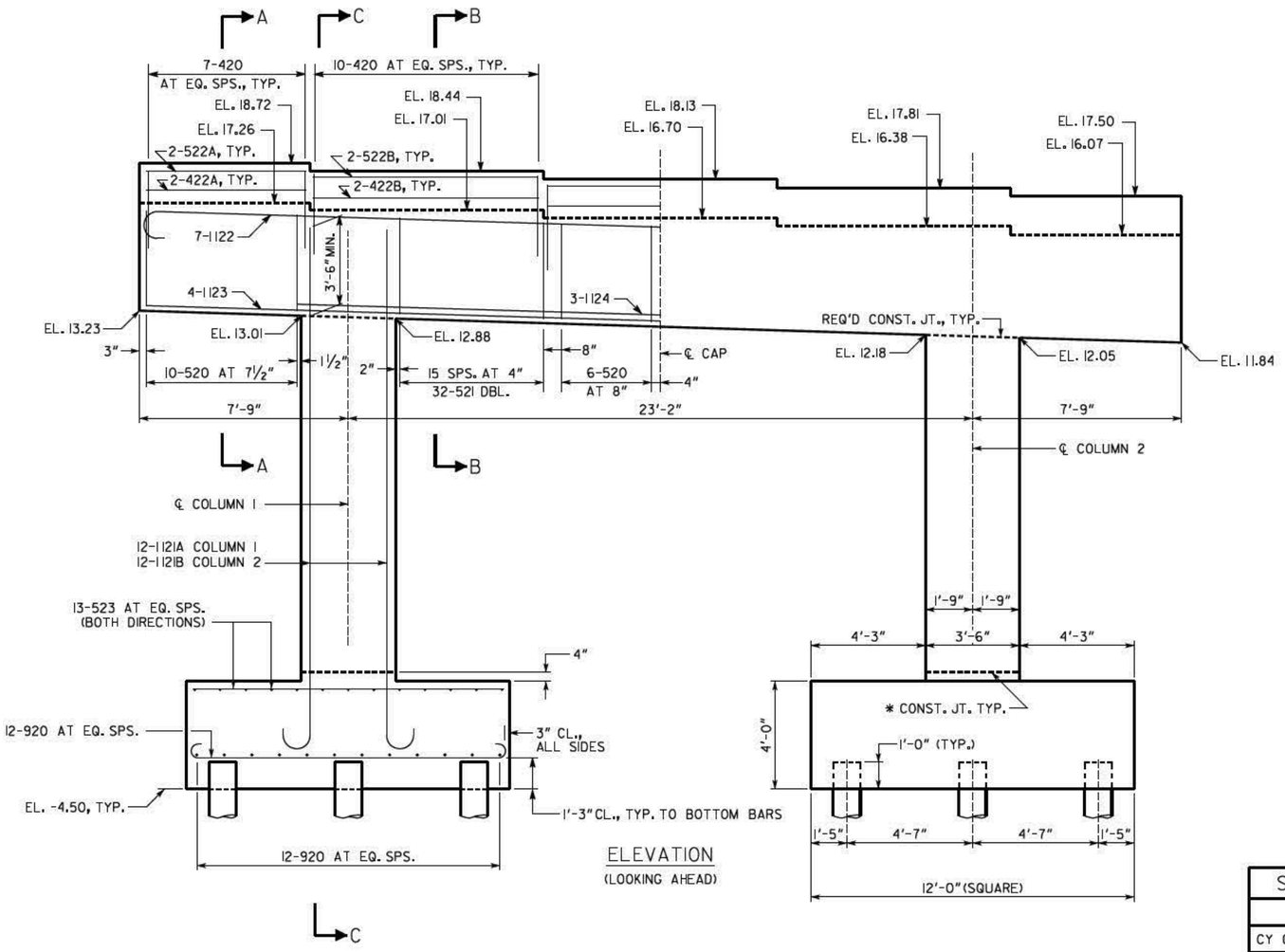


PLAN

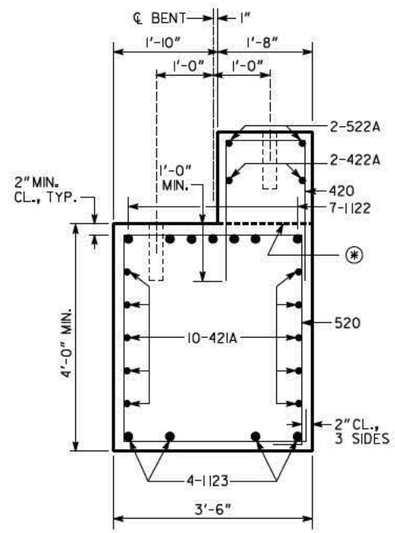


BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

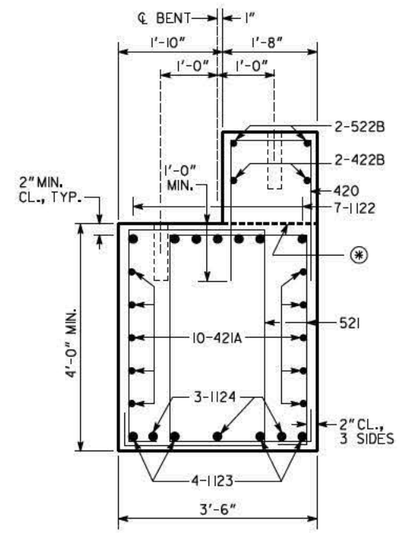
BUNDLING DETAIL
NO SCALE



ELEVATION
(LOOKING AHEAD)



SECTION A-A
SCALE: ¾" = 1'-0"



SECTION B-B
SCALE: ¾" = 1'-0"

NOTES:

1. SEE DRAWING NO. 35-0019 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 421A BARS NOT SHOWN IN ELEVATION.
4. 520 AND 521 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

⊛ OPTIONAL CONSTRUCTION JOINT. POUR WITHIN 12 HOURS.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 2 LT.
CY CLASS "AA" CONCRETE	80.4
LB BAR REINF STEEL	12803

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 226 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 350 KIPS AFTER A MINIMUM TIP ELEVATION OF -48 IS ACHIEVED.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

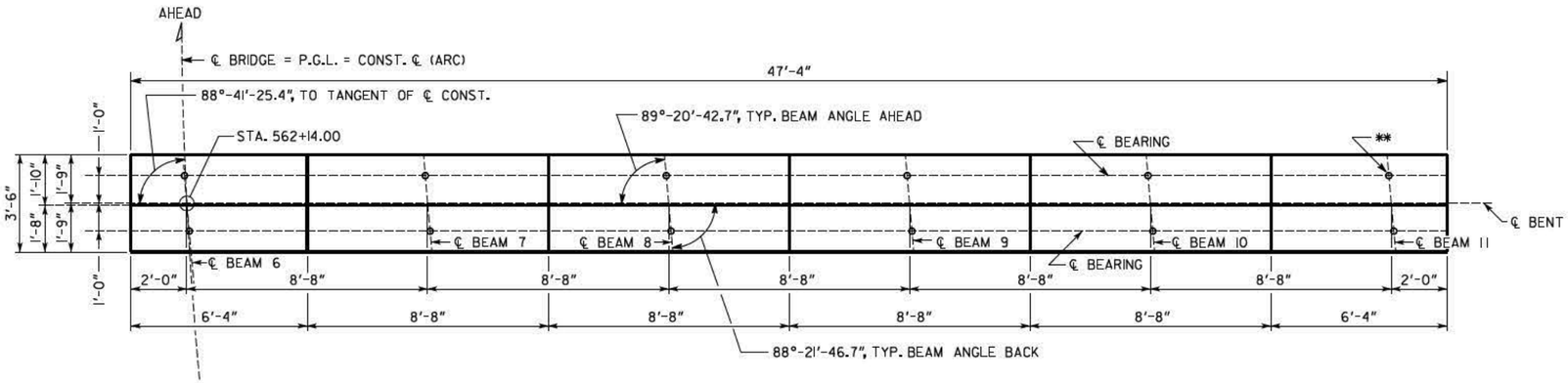
INTERMEDIATE BENT 2 LEFT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

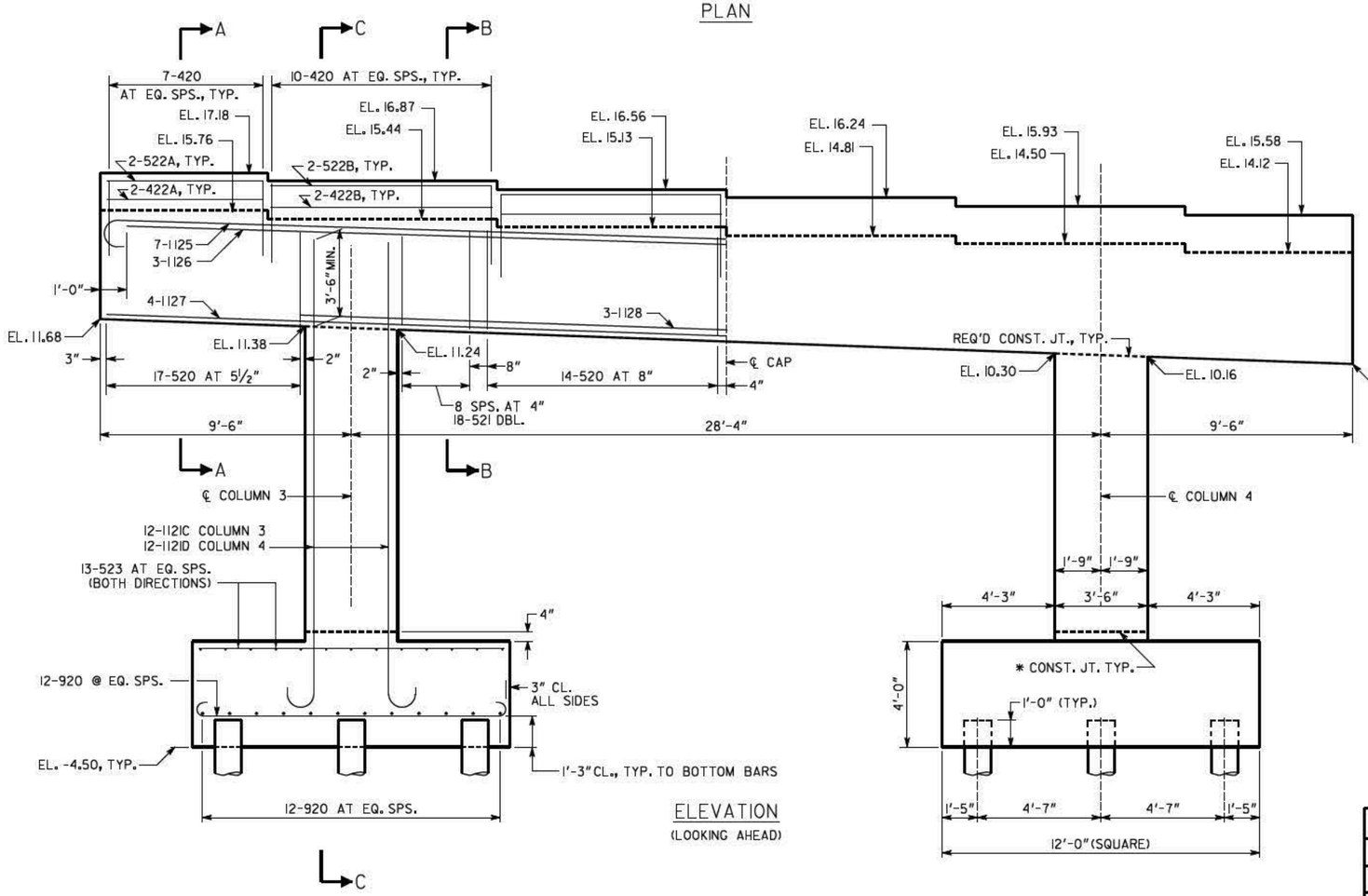
DRAWING NO. 35-0017
BRIDGE SHEET 17 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DATE
REVISIONS
BY



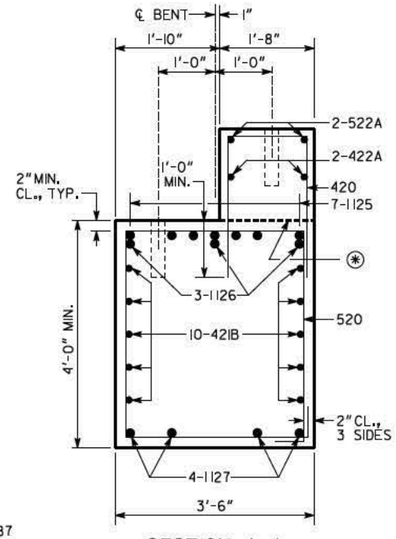
PLAN



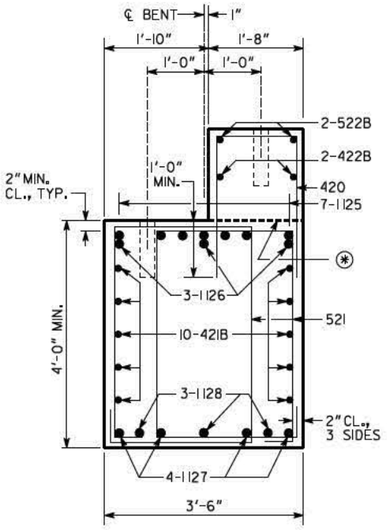
ELEVATION
(LOOKING AHEAD)

BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL
NO SCALE



SECTION A-A
SCALE: ¾" = 1'-0"



SECTION B-B
SCALE: ¾" = 1'-0"

NOTES:

1. SEE DRAWING NO. 35-0019 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 421B BARS NOT SHOWN IN ELEVATION.
4. 520 AND 521 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

⊛ OPTIONAL CONSTRUCTION JOINT. POUR WITHIN 12 HOURS.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 226 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 350 KIPS AFTER A MINIMUM TIP ELEVATION OF -48 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES

ITEM	BENT 2 RT.
CY CLASS "AA" CONCRETE	84.8
LB BAR REINF STEEL	14028

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0018

BRIDGE SHEET 18 OF 31

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT 2 RIGHT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

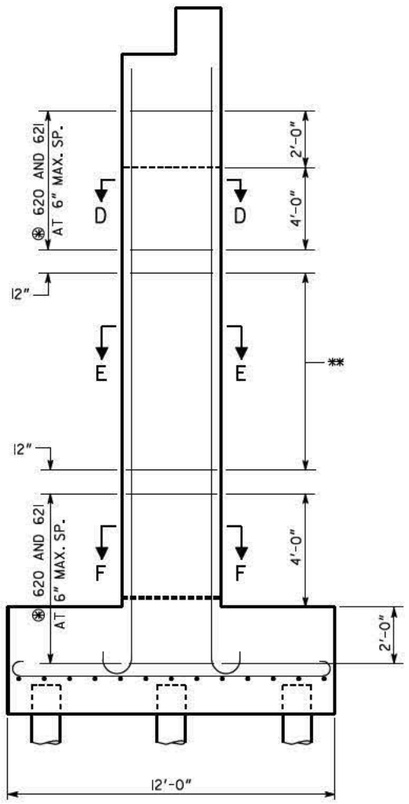
DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

REVISIONS — DATE — BY

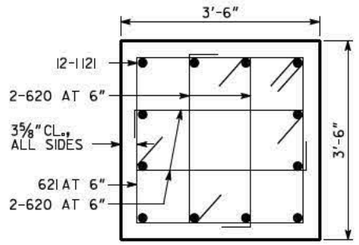
GDOT	P.I. NO. 0016985

⊛ 4-620 AT EACH LOCATION
1-621 AT EACH LOCATION

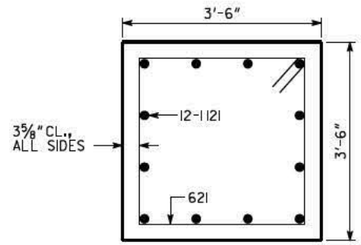
** 5-621 AT EQ. SPS. (12" MAX.) COL. 1
4-621 AT EQ. SPS. (12" MAX.) COL. 2
3-621 AT EQ. SPS. (12" MAX.) COL. 3
2-621 AT 12" MAX. SP. COL. 4



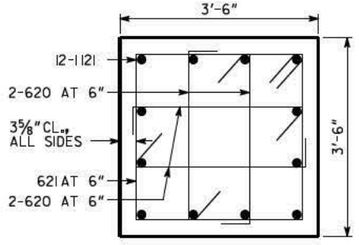
SECTION C-C
NO SCALE



SECTION D-D
SCALE: ¾"= 1'-0"

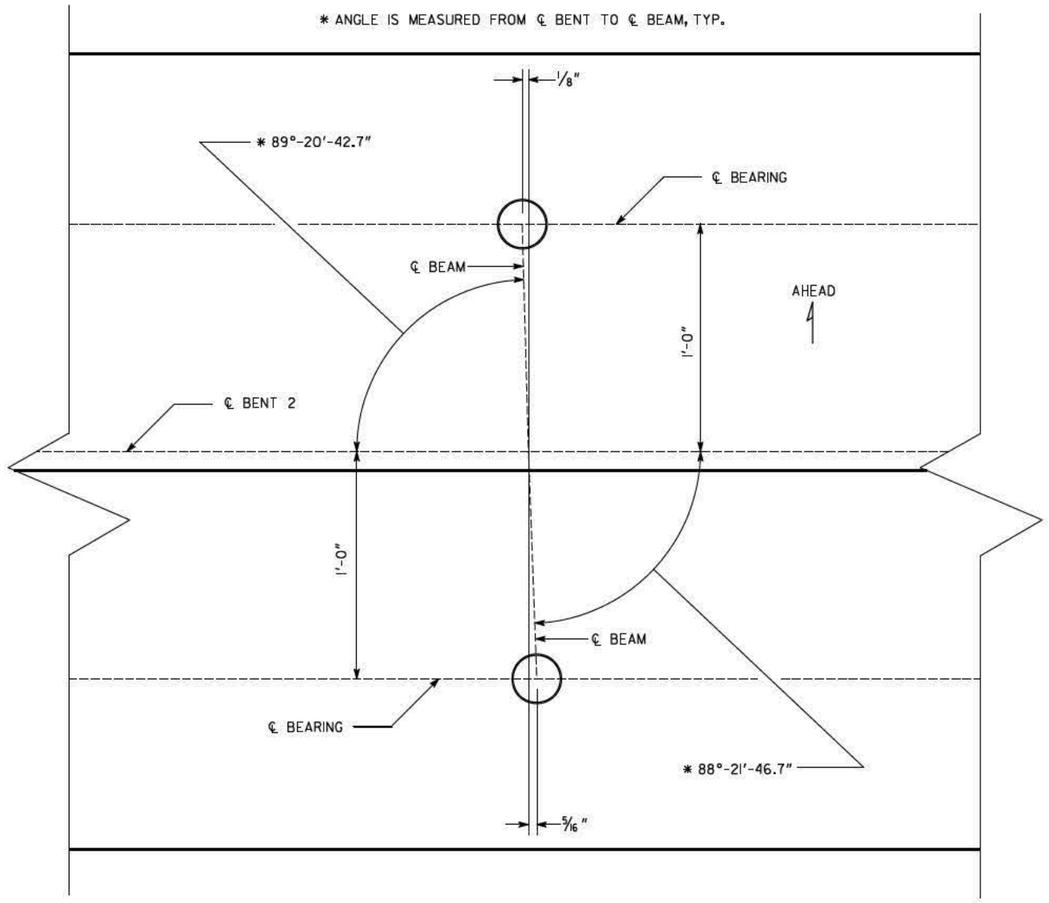


SECTION E-E
SCALE: ¾"= 1'-0"

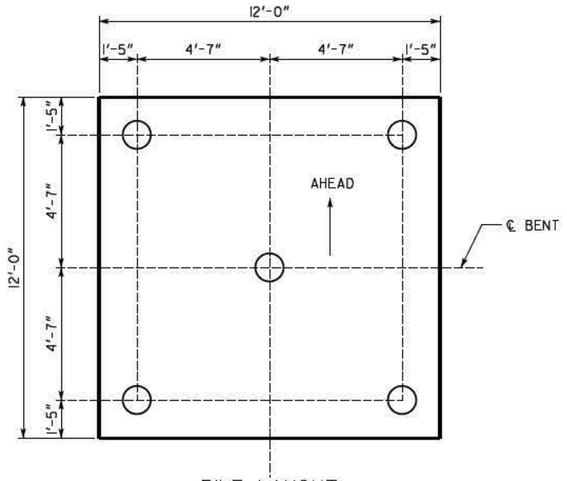


SECTION F-F
SCALE: ¾"= 1'-0"

* ANGLE IS MEASURED FROM ℄ BENT TO ℄ BEAM, TYP.



BEARING GEOMETRY
(LOOKING AHEAD)
SCALE: 3"= 1'-0"



PILE LAYOUT
SCALE: ⅜"= 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

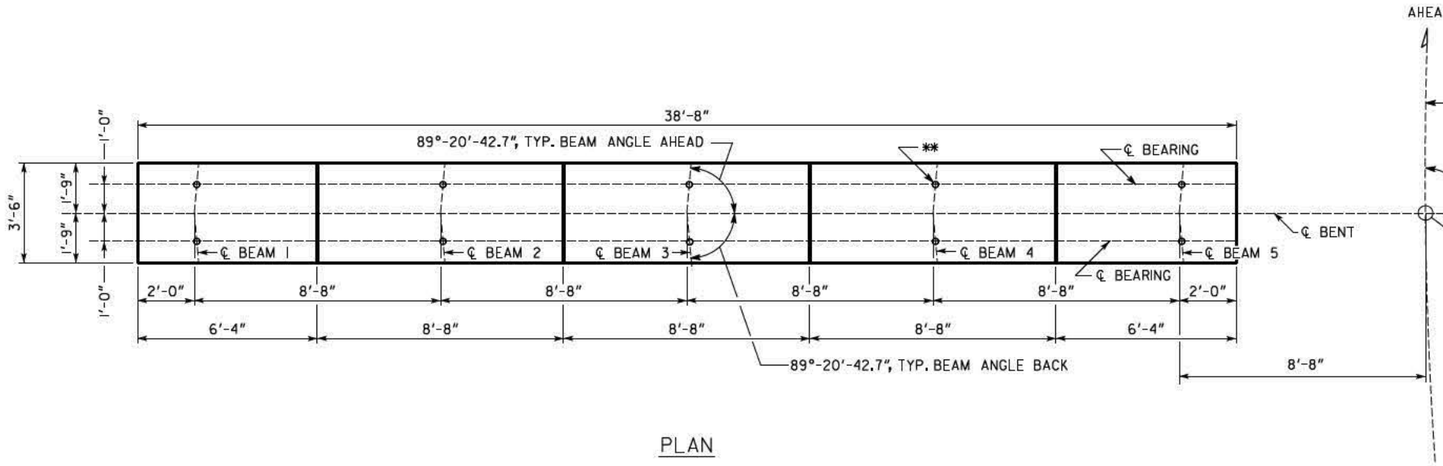
INTERMEDIATE BENT 2 DETAILS
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: AS NOTED MAY 2017

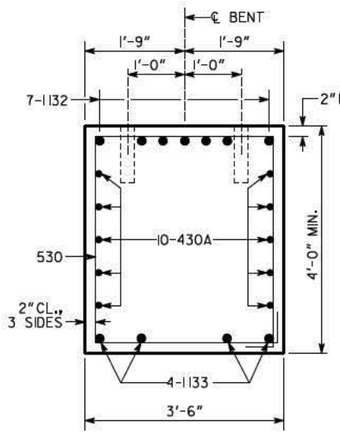
DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

DRAWING NO. 35-0019
BRIDGE SHEET 19 OF 31

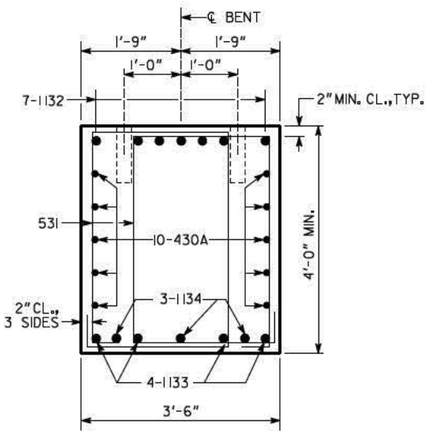
REVISIONS | BY | DATE



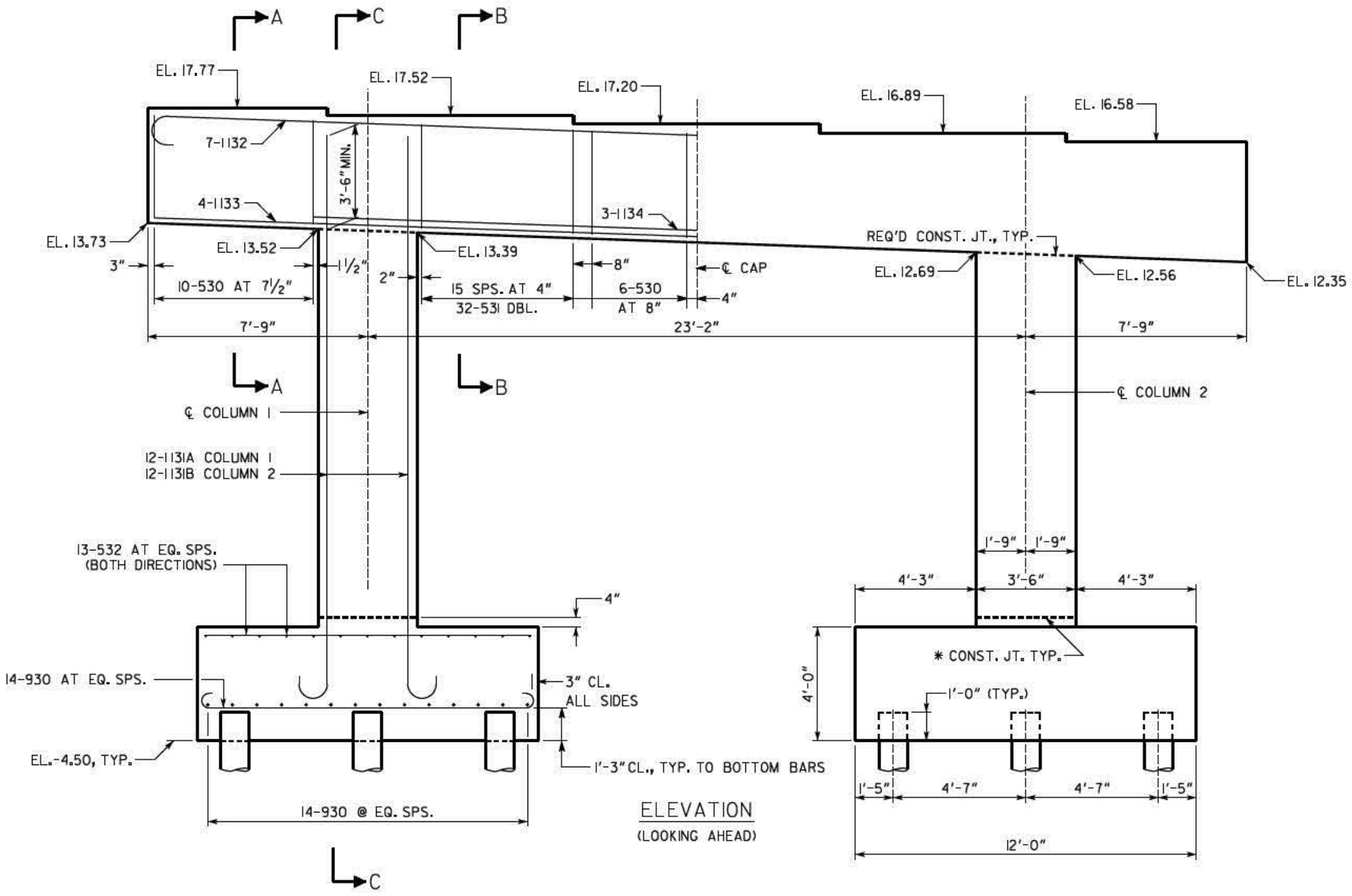
PLAN



SECTION A-A
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"



ELEVATION
(LOOKING AHEAD)

BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL
NO SCALE

NOTES:

1. SEE DRAWING NO. 35-0022 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 430A BARS NOT SHOWN IN ELEVATION.
4. 530 AND 531 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 3 LT.
CY CLASS "AA" CONCRETE	75.5
LB BAR REINF STEEL	12743

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 268 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 421 KIPS AFTER A MINIMUM TIP ELEVATION OF -65 IS ACHIEVED.

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT 3 LEFT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: 3/8" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

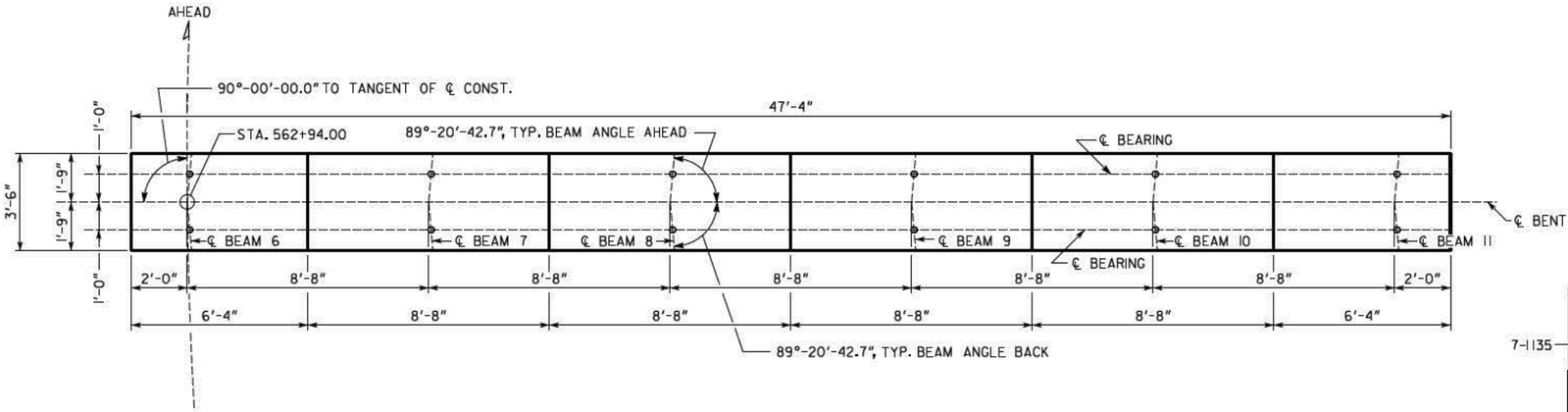
DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DRAWING NO. 35-0020
BRIDGE SHEET 20 OF 31

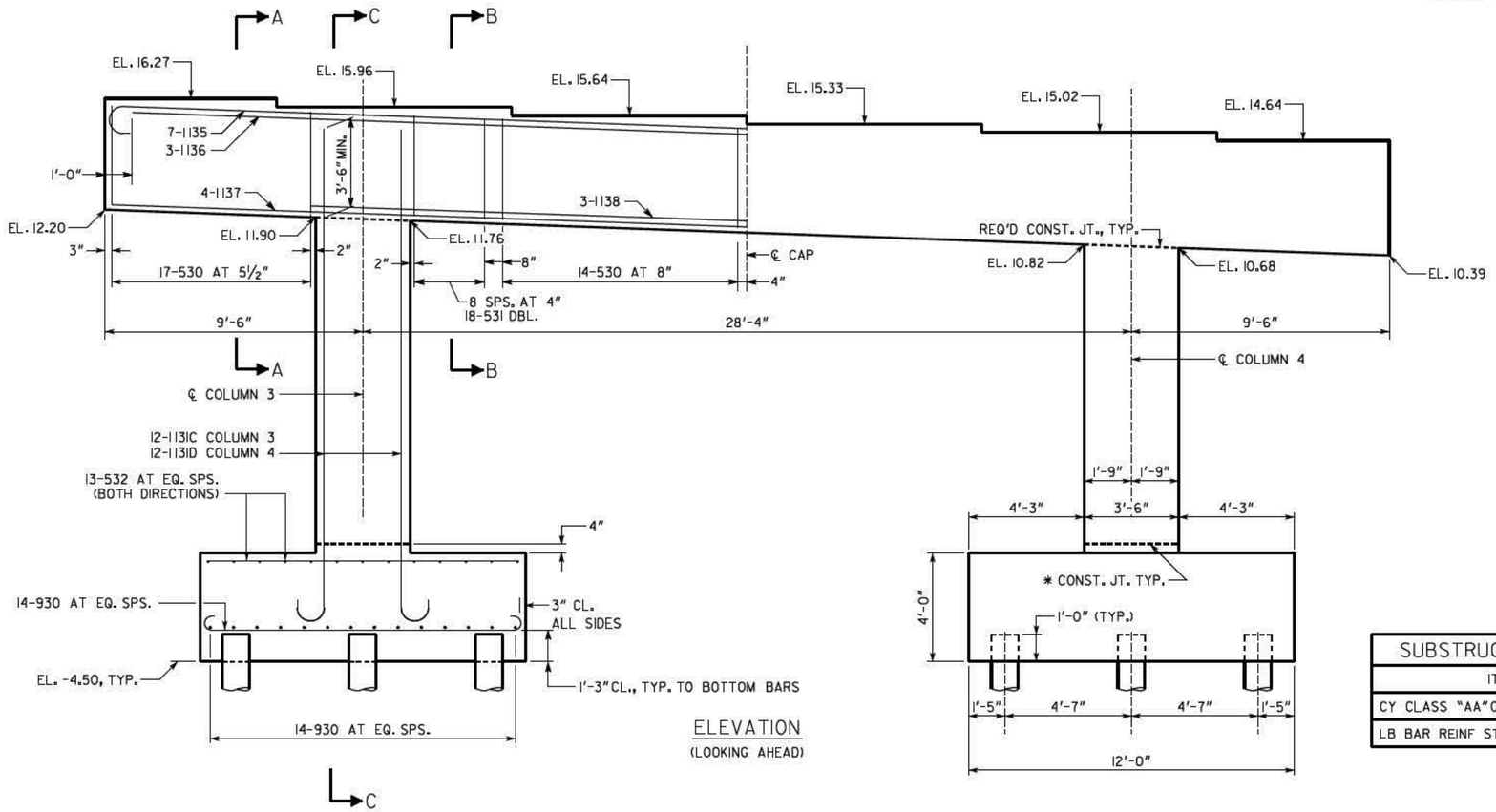
REVISIONS | DATE | BY

1 INCH WHEN PRINTED FULL SIZE

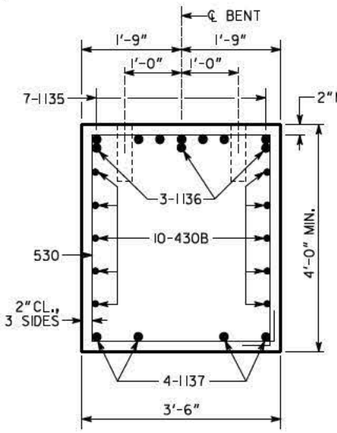
P.I. NO. 0016985



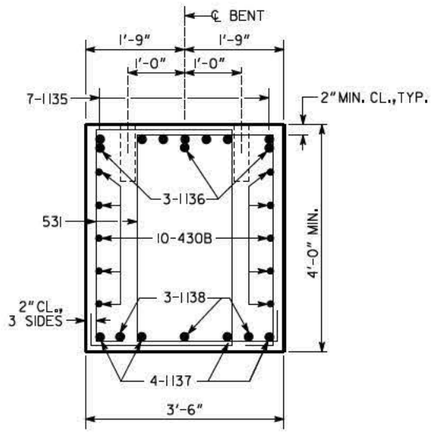
PLAN



ELEVATION
(LOOKING AHEAD)



SECTION A-A
SCALE: ¾" = 1'-0"



SECTION B-B
SCALE: ¾" = 1'-0"

BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL
NO SCALE

NOTES:

1. SEE DRAWING NO. 35-0022 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 430B BARS NOT SHOWN IN ELEVATION.
4. 530 AND 531 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 268 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 421 KIPS AFTER A MINIMUM TIP ELEVATION OF -65 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 3 RT.
CY CLASS "AA" CONCRETE	78.8
LB BAR REINF STEEL	13988

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0021

BRIDGE SHEET 21 OF 31

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT 3 RIGHT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

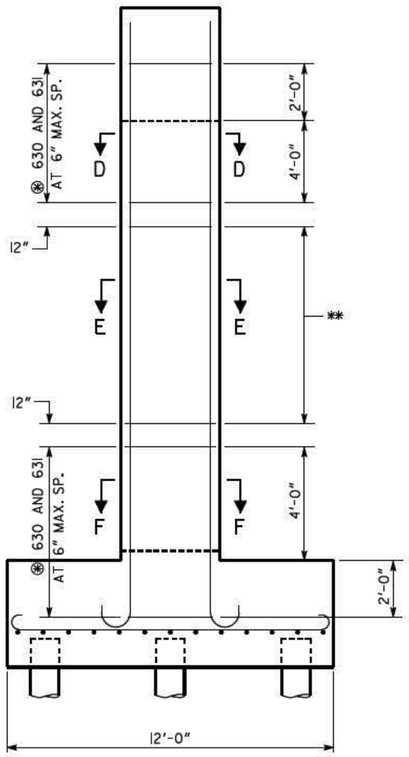
SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

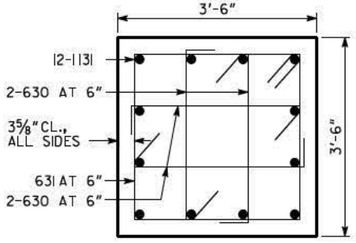
REVISIONS — DATE — BY

⊛ 4-630 AT EACH LOCATION
1-631 AT EACH LOCATION

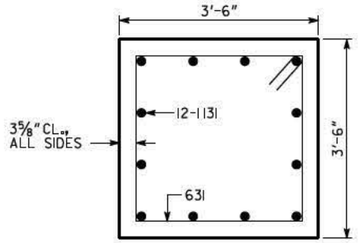
⊛⊛ 5-631 AT EQ. SPS. (12" MAX.) COL. 1
5-631 AT EQ. SPS. (12" MAX.) COL. 2
4-631 AT EQ. SPS. (12" MAX.) COL. 3
3-631 AT 12" MAX. SP. COL. 4



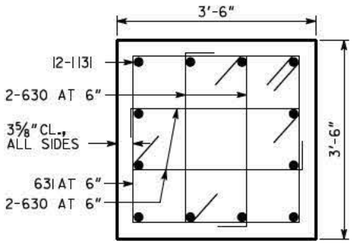
SECTION C-C
NO SCALE



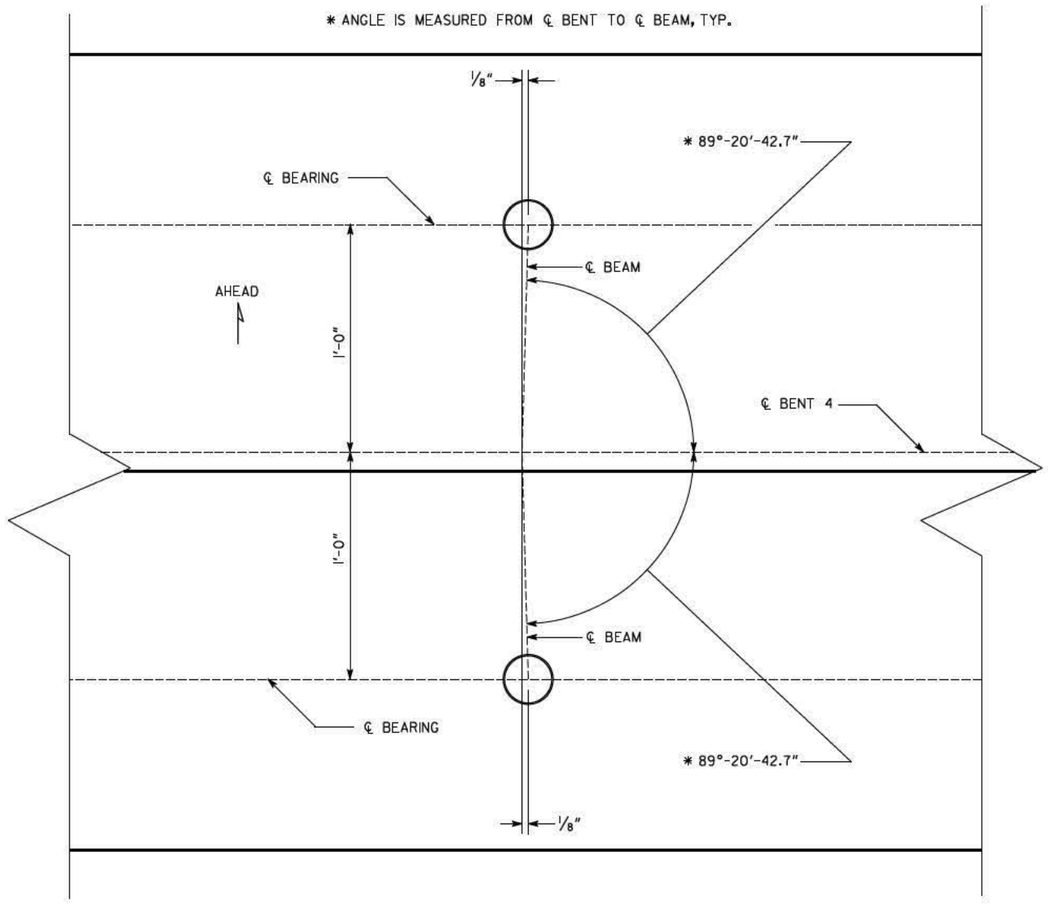
SECTION D-D
SCALE: ¾" = 1'-0"



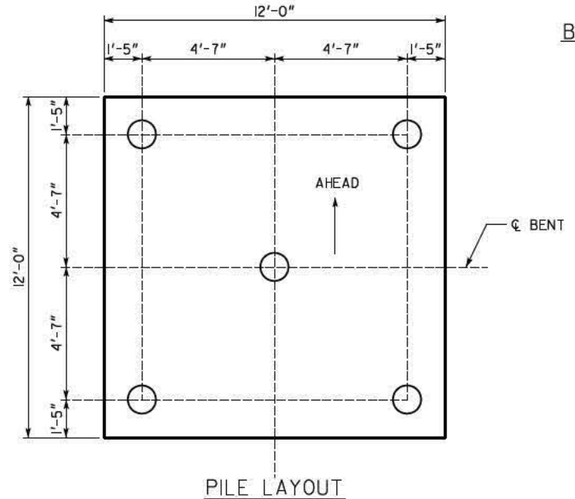
SECTION E-E
SCALE: ¾" = 1'-0"



SECTION F-F
SCALE: ¾" = 1'-0"



BEARING GEOMETRY
(LOOKING AHEAD)
SCALE: 3" = 1'-0"



PILE LAYOUT
SCALE: ⅜" = 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

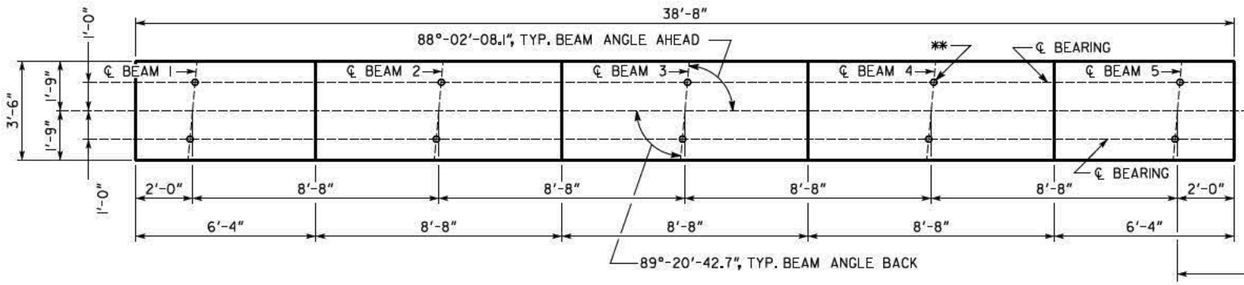
INTERMEDIATE BENT 3 DETAILS
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 001698

SCALE: AS NOTED MAY 2017

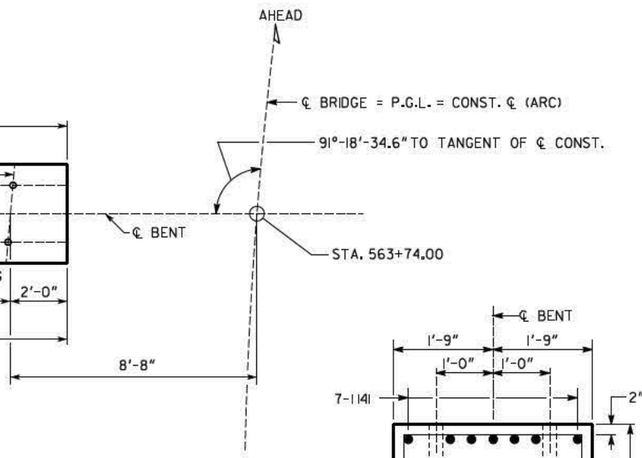
DESIGNED JTM | CHECKED ASA | REVIEWED DLC/SKG
DRAWN JTM | DESIGN GROUP DLW | APPROVED WMD

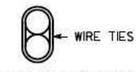
DRAWING NO. 35-0022
BRIDGE SHEET 22 OF 31

DATE | REVISIONS | BY



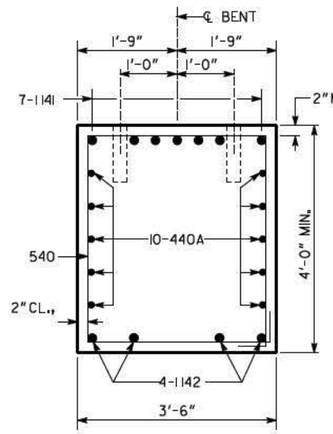
PLAN



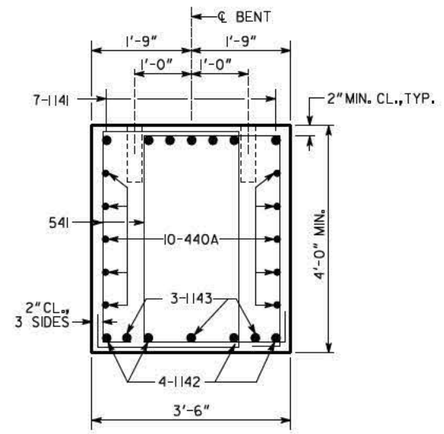


BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

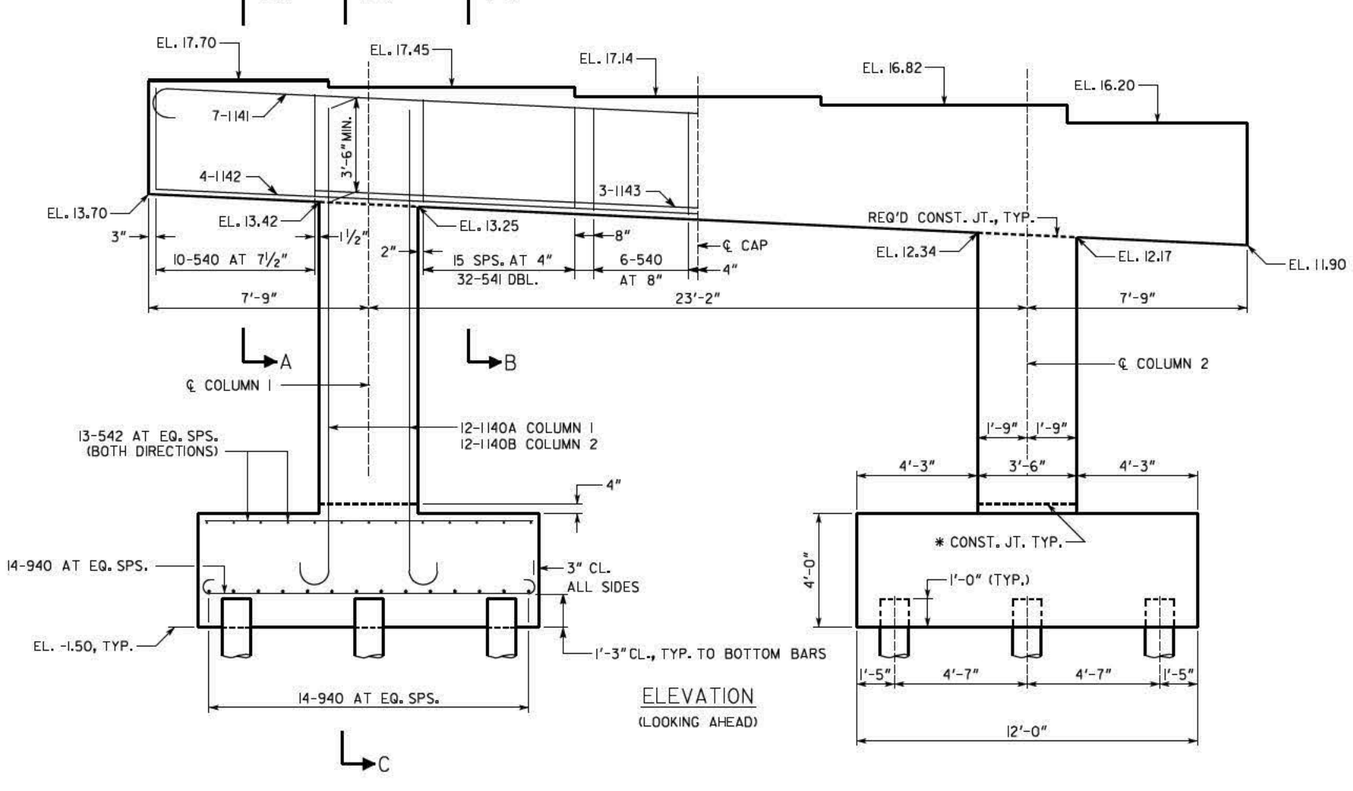
BUNDLING DETAIL
NO SCALE



SECTION A-A
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"



ELEVATION
(LOOKING AHEAD)

NOTES:

1. SEE DRAWING NO. 35-0025 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 440A BARS NOT SHOWN IN ELEVATION.
4. 540 AND 541 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 4 LT.
CY CLASS "AA" CONCRETE	73.2
LB BAR REINF STEEL	12122

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 266 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 417 KIPS AFTER A MINIMUM TIP ELEVATION OF -58 IS ACHIEVED.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

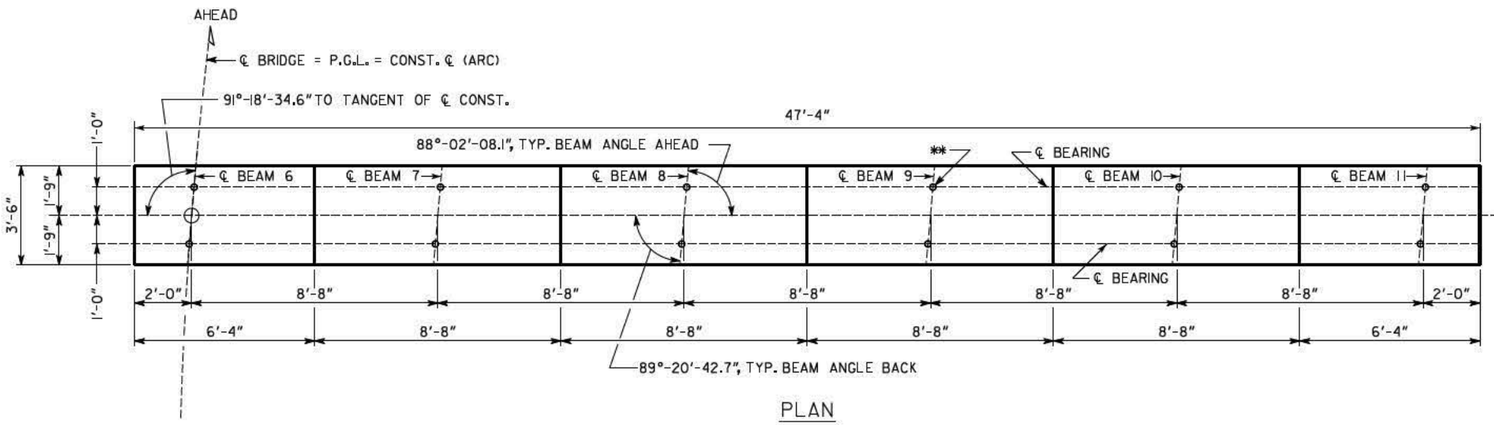
INTERMEDIATE BENT 4 LEFT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: 3/8" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

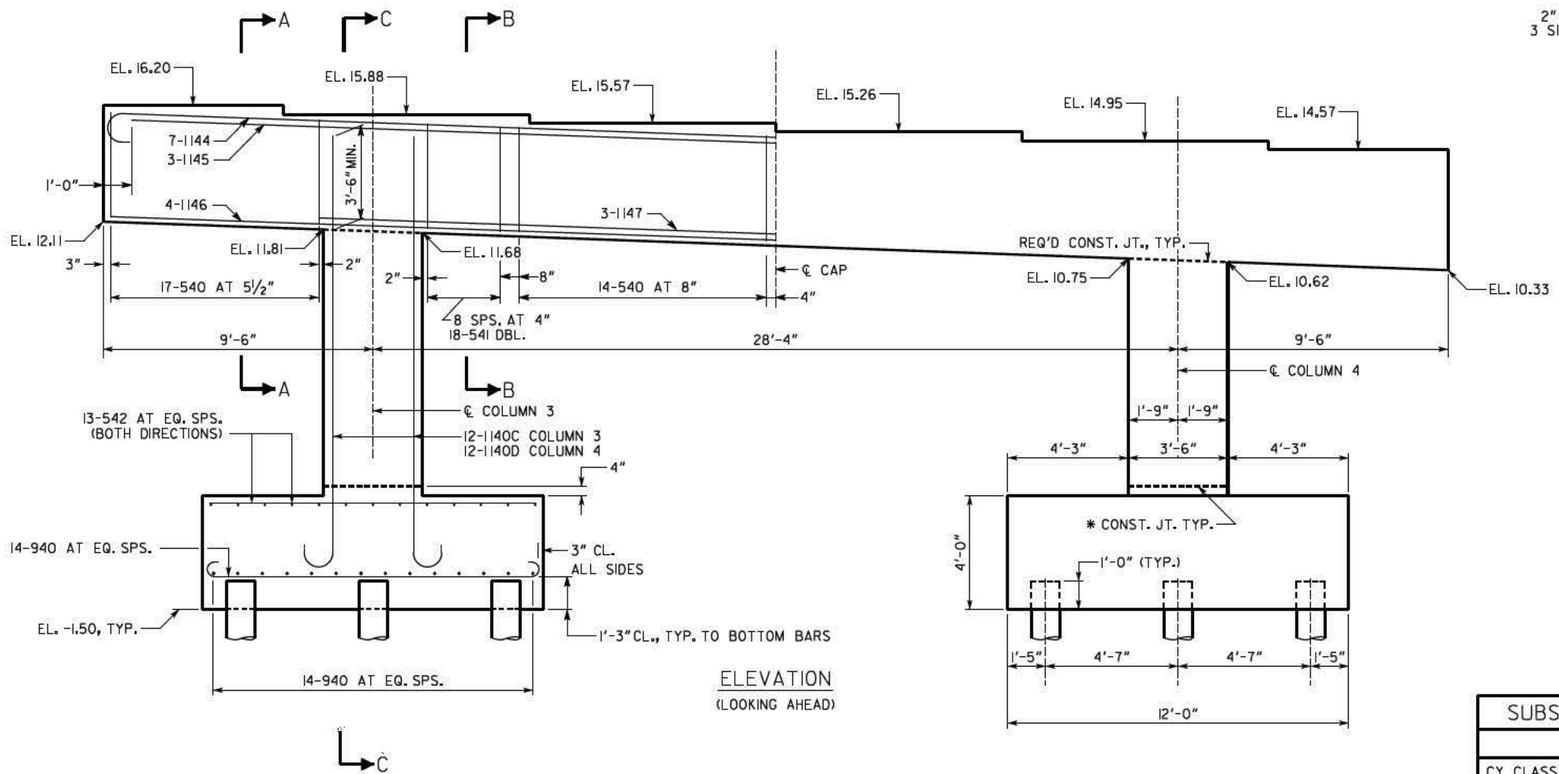
DRAWING NO. 35-0023
BRIDGE SHEET 23 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

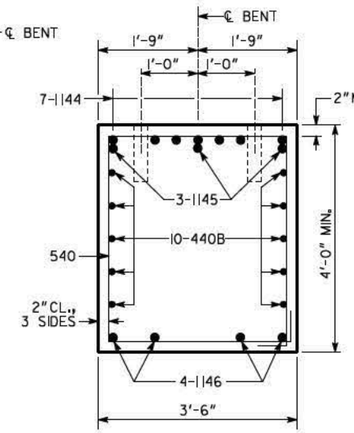
DATE | REVISIONS | BY



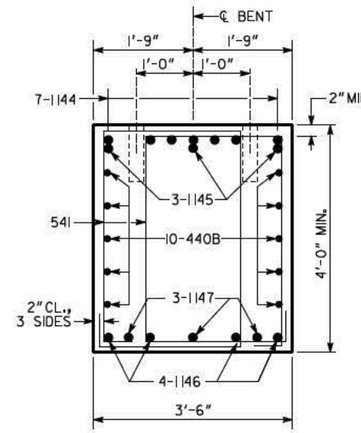
PLAN



ELEVATION
(LOOKING AHEAD)



SECTION A-A
SCALE: ¾" = 1'-0"



SECTION B-B
SCALE: ¾" = 1'-0"

BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL
NO SCALE

NOTES:

1. SEE DRAWING NO. 35-0025 FOR MISCELLANEOUS DETAILS.
2. BENT CAP REINFORCEMENT IS SYMMETRICAL ABOUT CENTERLINE OF CAP.
3. 440B BARS NOT SHOWN IN ELEVATION.
4. 540 AND 541 BARS MAY BE SHIFTED TO MISS THE DOWEL BAR HOLES.

* AT CONTRACTOR'S OPTION CONST. JT. MAY BE RELOCATED TO TOP OF FOOTING

** FORM 3" DIAMETER X 12" DEEP HOLE FOR DOWEL BAR, TYP.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 266 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 417 KIPS AFTER A MINIMUM TIP ELEVATION OF -58 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 4 RT.
CY CLASS "AA" CONCRETE	76.0
LB BAR REINF STEEL	13311

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT 4 RIGHT
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

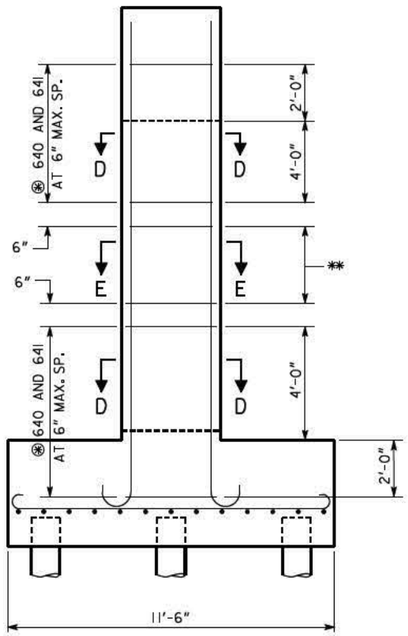
DRAWING NO. 35-0024
BRIDGE SHEET 24 OF 31

DATE | REVISIONS | BY

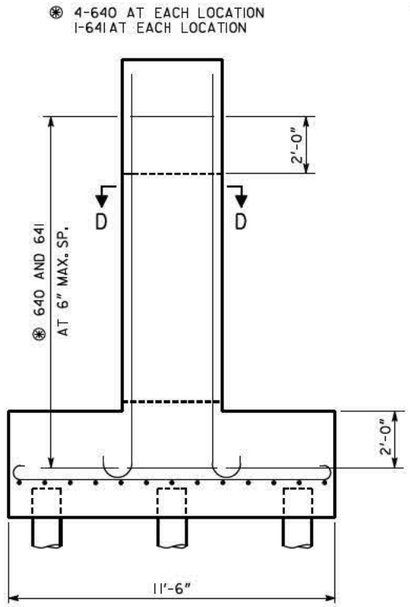
1 INCH WHEN PRINTED FULL SIZE

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

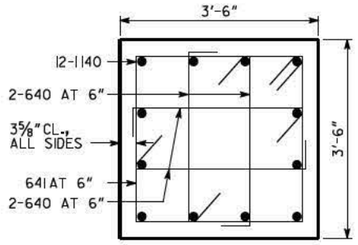
P.I. NO. 0016985



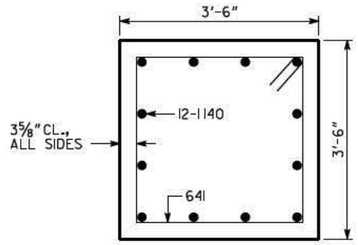
SECTION C-C
BENT 4 LEFT
NO SCALE



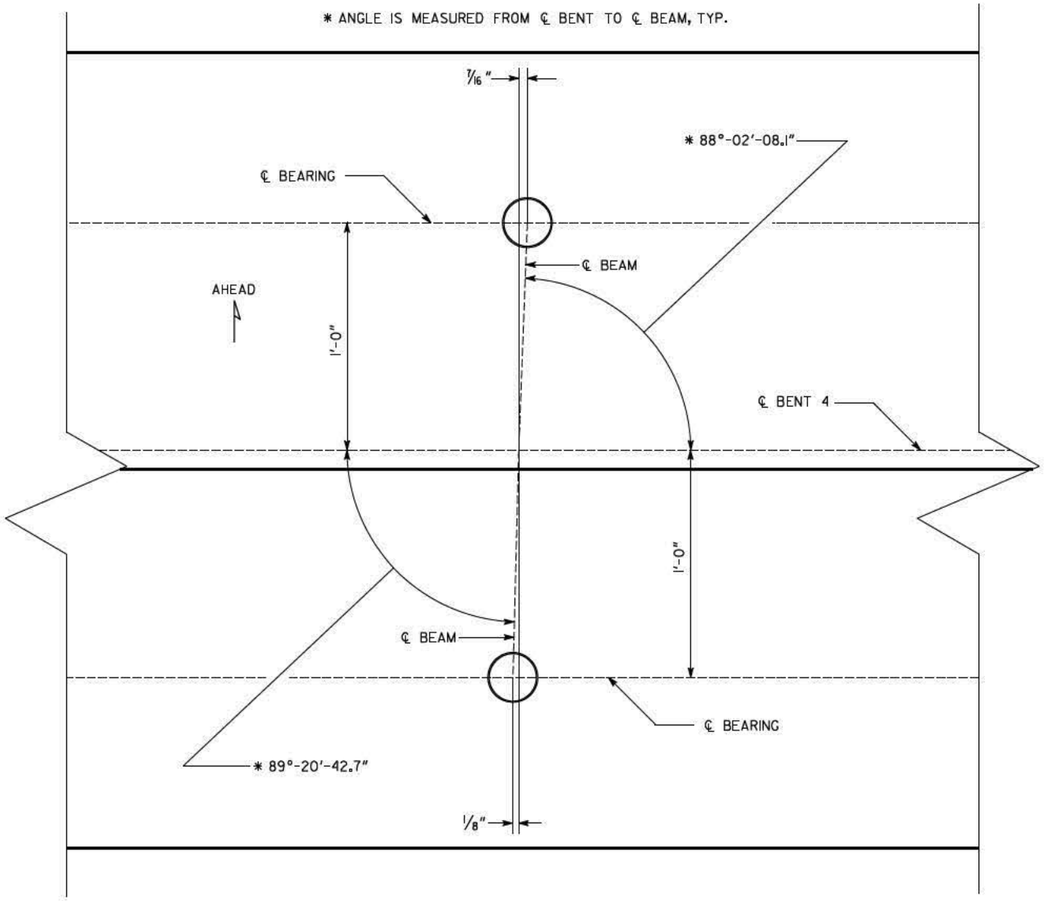
SECTION C-C
BENT 4 RIGHT
NO SCALE



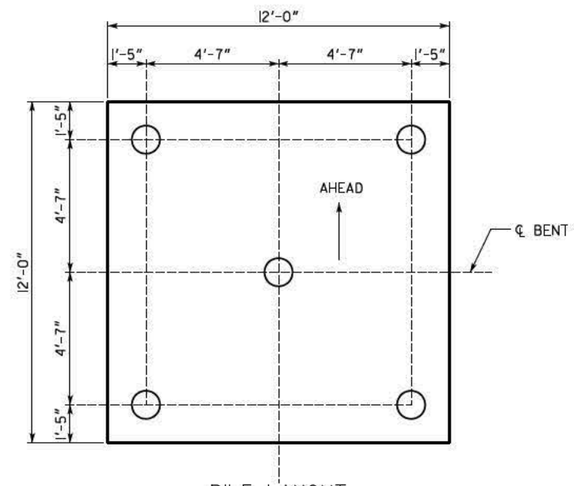
SECTION D-D
SCALE: ¾" = 1'-0"



SECTION E-E
SCALE: ¾" = 1'-0"



BEARING GEOMETRY
(LOOKING AHEAD)
SCALE: 3" = 1'-0"



PILE LAYOUT
SCALE: ⅜" = 1'-0"

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

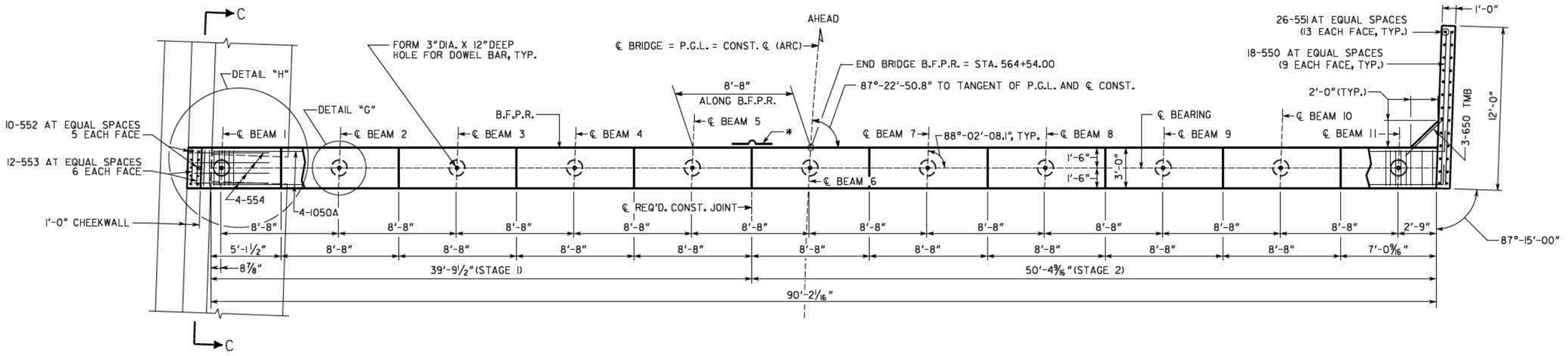
INTERMEDIATE BENT 4 DETAILS
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE: AS NOTED MAY 2017

DRAWING NO.	REVISIONS	DATE	BY
35-0025			
BRIDGE SHEET 25 OF 31			

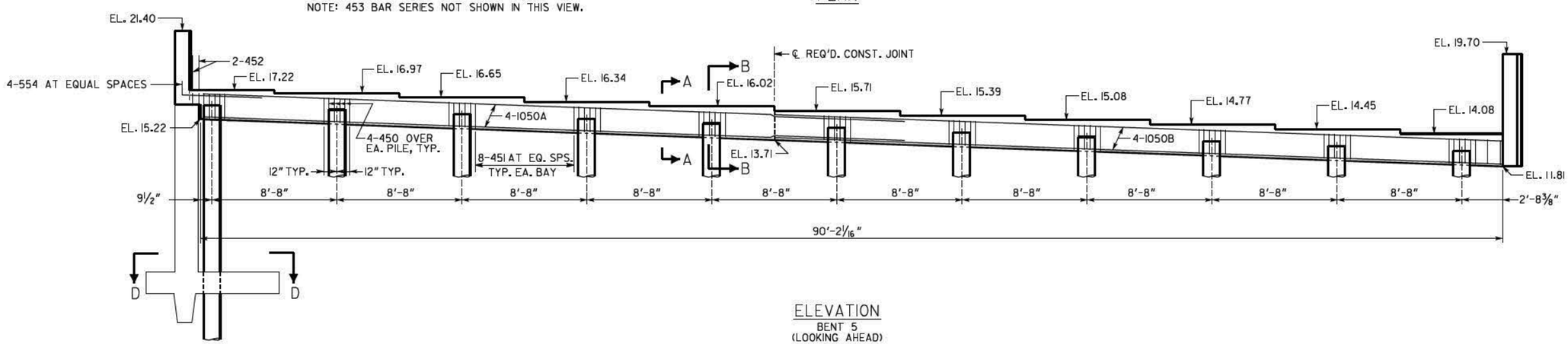
DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

P.I. NO. 0016985

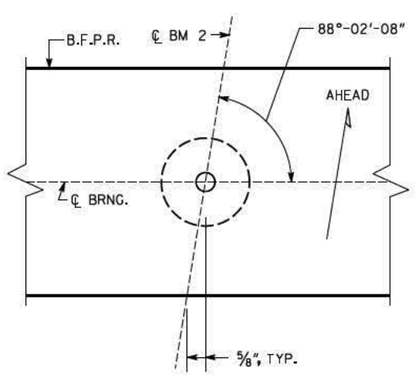


PLAN

NOTE: 453 BAR SERIES NOT SHOWN IN THIS VIEW.

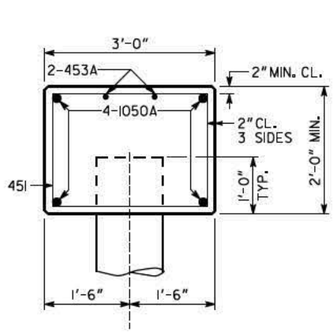


ELEVATION
BENT 5
(LOOKING AHEAD)

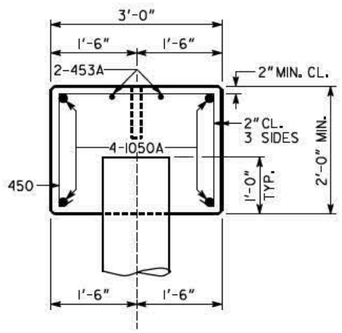


DETAIL "G"

TYPICAL DIMENSION
SCALE: NONE
BEAM ANGLE IS EXAGGERATED



SECTION A-A
SCALE: 3/4" = 1'-0"



SECTION B-B
SCALE: 3/4" = 1'-0"

NOTES:

1. POUR WINGWALLS MONOLITHICALLY WITH CAP.
2. LAP 453 BARS 1'-9" MIN. AND LAP 1010 BARS 7'-3" MIN.
3. FOR DRAINAGE DETAILS AT END BENT, SEE GEORGIA STANDARD 9037.
4. BOTTOM OF WINGWALLS ARE LEVEL.
5. * PROVIDE 3-PLY WATERPROOFING 1'-6" ON EACH SIDE OF CONSTRUCTION JOINT.

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 278 KIPS.

ALL PILES SHALL BE METAL SHELL, 16 IN. OD.

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 428 KIPS AFTER A MINIMUM TIP ELEVATION OF -54 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES

ITEM	BENT 5 LT.	BENT 5 RT.
CU YD CLASS "AA" CONCRETE	10.8	13.7
LB BAR REINFORCEMENT STEEL	1304	1850

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0026

BRIDGE SHEET 26 OF 31

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

END BENT 5

SR 25 (US 17) OVER THORNHILL CREEK

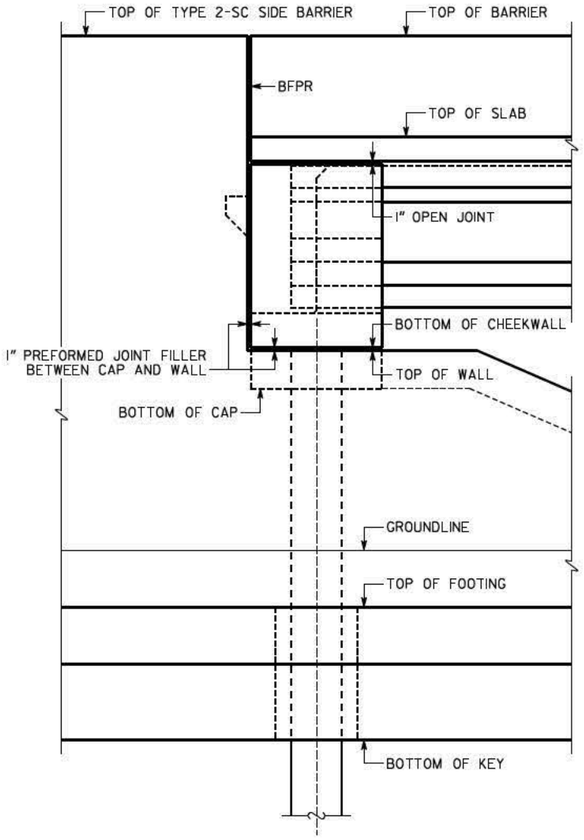
GLYNN COUNTY 0016985

SCALE: 1/4" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

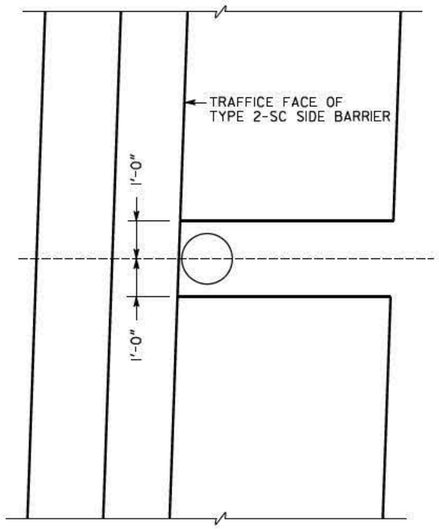
DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

REVISIONS

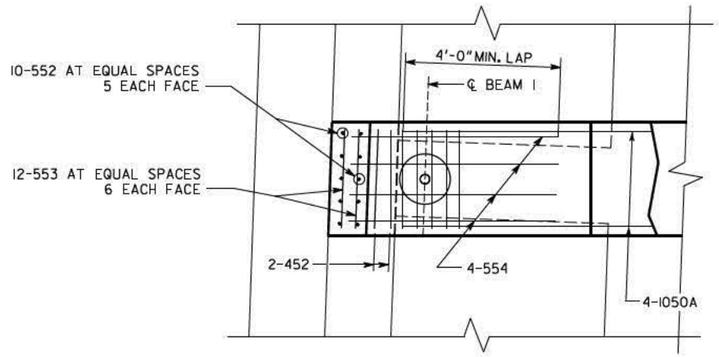
BY	DATE



SECTION C-C
NO SCALE



SECTION D-D
NO SCALE



DETAIL "H"
SCALE: 1/2"= 1'-0"

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

END BENT 5 DETAILS
SR 25 (US 17) OVER THORNHILL CREEK
GLYNN COUNTY 0016985

SCALE 1/2"= 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED JTM	CHECKED ASA	REVIEWED DLC/SKG
DRAWN JTM	DESIGN GROUP DLW	APPROVED WMD

DRAWING NO. 35-0027
BRIDGE SHEET 27 OF 31

REVISIONS | BY | DATE

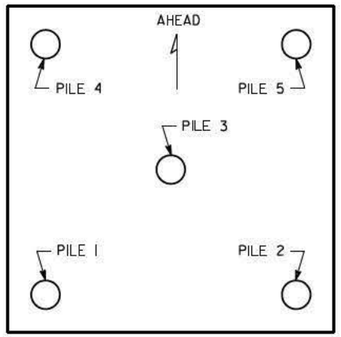
1 INCH WHEN PRINTED FULL SIZE

AS BUILT FOUNDATION INFORMATION

BENT NUMBER		PILE LOCATION	PILE TIP ELEVATION	ELEV. "A"
1		BEAM 1		
		BEAM 2		
		BEAM 3		
		BEAM 4		
		BEAM 5		
		BEAM 6		
		BEAM 7		
		BEAM 8		
		BEAM 9		
		BEAM 10		
		BEAM 11		
2 LEFT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
2 RIGHT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
3 LEFT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
3 RIGHT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		

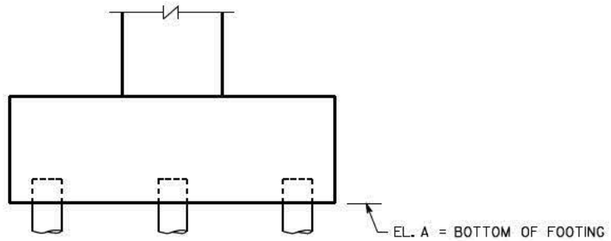
AS BUILT FOUNDATION INFORMATION

BENT NUMBER		PILE LOCATION	PILE TIP ELEVATION	ELEV. "A"
4 LEFT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
4 RIGHT	COLUMN 1	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
	COLUMN 2	PILE 1		
		PILE 2		
		PILE 3		
		PILE 4		
		PILE 5		
5		BEAM 1		
		BEAM 2		
		BEAM 3		
		BEAM 4		
		BEAM 5		
		BEAM 6		
		BEAM 7		
		BEAM 8		
		BEAM 9		
		BEAM 10		
		BEAM 11		



PLAN

INTERMEDIATE BENT FOOTING



ELEVATION

INTERMEDIATE BENT FOOTING

NOTE - THIS "AS-BUILT FOUNDATION INFORMATION" SHEET IS TO BE FILLED IN BY THE PROJECT ENGINEER AND THE ENTIRE SHEET FORWARDED TO THE BRIDGE OFFICE UPON COMPLETION OF PILE DRIVING AND FOOTING CONSTRUCTION FOR POSTING TO THE PLANS AS A PERMANENT RECORD OF THE BRIDGE CONSTRUCTION.

PROJECT ENGINEER DATE

( )
(AREA CODE) TELEPHONE NUMBER

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

AS BUILT FOUNDATION INFORMATION

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MAY 2017

DESIGNED JTM DRAWN JTM CHECKED ASA DESIGN GROUP DLW REVIEWED DLC/SKG APPROVED WMD

DRAWING NO. 35-0028

BRIDGE SHEET 28 OF 31

DATE | REVISIONS | BY

1 INCH WHEN PRINTED FULL SIZE

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SPAN 1	1								STAGE 1																	
		400A	39- 8		88	1																				
		404A	39- 4		3	1																				
		405A	5- 2		36	31	4	4	0- 9		1- 9 3/4		1- 9 3/4													
		500A	40- 8		79	3			39-10		0-10															
		500C	6- 2		79	3			5- 4		0-10															
		501A	40- 0		58	1																				
		502A	18- 0		24	1																				
		503A	8-11		42	23			1- 3		3-10		3-10													96
		503B	7- 0		42	23			0- 6		3- 3		3- 3													84
		504A	5- 0		24	46			2- 0		1-10		0- 3		0- 8		0- 8									
		505A	39- 2		1	1																				
		506A	3- 3		24	7			1- 3		1- 0		1- 0												135	45
		506B	4- 3		51	3			1- 6		2- 9															
		507A	38- 2		1	1																				
		508	7- 2		4	1																				
		600	10- 0		53	1																				
		800A	42- 1		2	1																				
		801A	39-11		1	1																				
		802	7- 8		4	1																				
		900A	12- 2		12	16	6	6	4- 5		0- 7 1/2		0- 7 1/2		3- 0		3- 0									
		900B	4- 4		3	34	6		0- 5		0- 7 1/2		3- 0		0- 7 1/2											
		900C	7-11		3	34	6		4- 0		0- 7 1/2		3- 0		0- 7 1/2											
SPAN 1	1								STAGE 2																	
		400A	39- 8		125																					
		402A	39- 8		4	1																				
		403A	3- 3		41	8			2- 9		0- 3		0- 3												45	135
		403B	0- 8		22	1																				
		404B	55- 6		3	1																				
		405A	5- 2		54																					
		500B	54- 3		79	3			53- 5		0-10															
		500C	6- 2		79																					
		501B	53- 3		58	1																				
		502B	18- 1		24	1																				
		503A	8-11		42																					
		503B	7- 0		42																					
		504A	5- 0		36																					
		505B	52- 9		1	1																				
		506A	3- 3		36																					
		506B	4- 3		73																					
		507B	52- 0		1	1																				
		508	7- 2		6																					
		600	10- 0		75																					
		800B	53- 2		2	1																				
		801B	51- 8		1	1																				
		802	7- 8		6																					
		900A	12- 2		15																					
		900B	4- 4		3																					
		900C	7-11		3																					
SPAN 2 OR 3	2								STAGE 1																	
		400B	60- 0		88	1																				
		400C	21- 8		88	1																				

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
		405B	7- 3		32	31	4	4	0- 9		2-10 5/8		2-10 5/8													
		406	7- 5		32	25	4	4	0- 7		2- 9															
		407	7- 9		16	1																				
		500A	40- 8		158																					
		500C	6- 2		158																					
		501A	40- 0		116																					
		502C	19- 7		48	1																				
		503A	8-11		92																					
		503B	7- 0		92																					
		507A	38- 2		4																					
		508	7- 2		16																					
		509	7- 2		32	1																				
		600	10- 0		53																					
		800A	42- 1		4																					
		801A	39-11		2																					
		802	7- 8		8																					
SPAN 2 OR 3	2								STAGE 2																	
		400B	60- 0		125																					
		400C	21- 8		125																					
		402B	60- 0		4	1																				
		402C	21- 8		4	1																				
		403A	3- 3		81																					
		403B	0- 8		272																					
		405B	7- 3		48																					
		406	7- 5		40																					
		407	7- 9		20																					
		500B	54- 3		158																					
		500C	6- 2		158																					
		501B	53- 3		116																					
		502C	19- 7		48																					
		503A	8-11		92																					
		503B	7- 0		92																					
		507B	52- 0		4																					
		508	7- 2		24																					
		509	7- 2		40																					
		600	10- 0		75																					
		800B	53- 2		4																					
		801B	51- 8		2																					
		802	7- 8		12																					
SPAN 4	1								STAGE 1																	
		400B	60- 0		88																					
		400C	21- 8		88																					
		404A	39- 4		5																					
		405B	7- 5		32	31	4	4	0- 9		2-11 1/2		2-11 1/2													
		406	7- 5		32																					
		407	7- 9		16																					
		500A	40- 8		158																					
		500C	6- 2		158																					
		501A	40- 0		116																					
		502C	19- 7		48																					
		503A	8-11		92																					
		503B	7- 0		92																					
		504B	6- 6		24	46			3- 6		1-10		0- 3		0- 8		0- 8									
		505A	39- 2		1																					

P.I. NO. 0016985

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BAR REINFORCEMENT DETAILS

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MAY 2017

DRAWING NO. 35-0029

BRIDGE SHEET 29 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DATE | REVISIONS | BY

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
		506C	5-	8	51	3			1-	6	4-	2														
		507A	38-	2	2																					
		508	7-	2	8																					
		509	7-	2	32																					
		800A	42-	1	2																					
		801A	39-	11	1																					
		802	7-	8	4																					
		900A	12-	2	20																					
		900B	4-	4	5																					
		900C	7-	11	5																					
SPAN 4	1								STAGE 2																	
		400B	60-	0	125																					
		400C	21-	8	125																					
		402B	60-	0	4																					
		402C	21-	8	4																					
		403A	3-	3	81																					
		403B	0-	8	272																					
		404B	55-	6	5																					
		405B	7-	3	48																					
		406	7-	5	40																					
		407	7-	9	20																					
		500B	54-	3	158																					
		500C	6-	2	158																					
		501B	53-	3	116																					
		502C	19-	7	48																					
		503A	8-	11	88																					
		503B	7-	0	88																					
		504B	6-	6	36																					
		505B	52-	9	1																					
		506A	3-	3	36																					
		506C	5-	8	73																					
		507B	52-	0	2																					
		508	7-	2	12																					
		509	7-	2	40																					
		800B	53-	2	2																					
		801B	51-	8	1																					
		802	7-	8	6																					
		900A	12-	2	25																					
		900B	4-	4	5																					
		900C	7-	11	5																					
BENT 1 LEFT	1								STAGE 1																	
		410	6-	9	20	32	5	5	2-	8	1-	8	1-	8												
		411	9-	5	39	25	4	4	2-	8	1-	8														
		412A	41-	6	2	1																				
		510	8-	8	14	1																				
		511	6-	0	20	1																				
		610	5-	3	3	1																				
		1010A	51-	7	4	3			49-	7	2-	0														
BENT 1 RIGHT	1								STAGE 2																	
		410	6-	9	24																					

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
		411	9-	5	47																					
		412B	50-	0	2	1																				
		510	8-	8	14																					
		511	6-	0	20																					
		610	5-	3	3																					
		1010B	52-	9	4	3			50-	9	2-	0														
BENT 2 LEFT	1								STAGE 1																	
		420	6-	4	44	2			1-	4	2-	6	2-	6												
		421A	38-	4	10	1																				
		422A	6-	0	4	1																				
		422B	8-	4	6	1																				
		520	14-	8	32	25	4	4	3-	2	3-	8														
		521	13-	0	64	25	4	4	2-	4	3-	8														
		522A	6-	0	4	1																				
		522B	8-	4	6	1																				
		523	11-	6	52	1																				
		620	4-	7	208	10	1	3	2-10 3/4																	
		621	12-	8	61	25	4	4	2-10 3/4		2-10 3/4															
		920	14-	0	48	10	1	1	11-	6																
		1121A	20-	9	12	9	1		19-	2																
		1121B	19-	11	12	9	1		18-	4																
		1122	41-	6	7	10	1	1	38-	4																
		1123	38-	4	4	1																				
		1124	26-	8	3	1																				
BENT 2 RIGHT	1								STAGE 2																	
		420	6-	4	54																					
		421B	47-	0	10	1																				
		422A	6-	0	4																					
		422B	8-	4	8																					
		520	14-	8	62																					
		521	13-	0	36																					
		522A	6-	0	4																					
		522B	8-	4	8																					
		523	11-	6	52																					
		620	4-	7	208																					
		621	12-	8	57																					
		920	14-	0	48																					
		1121C	19-	2	12	9	1		17-	7																
		1121D	18-	1	12	9	1		16-	6																
		1125	50-	2	7	10	1	1	47-	0																
		1126	45-	4	3	1																				
		1127	47-	0	4	1																				
		1128	31-	10	3	1																				
BENT 3 LEFT	1								STAGE 1																	
		430A	38-	4	10	1																				
		530	14-	8	32	25	4	4	3-	2	3-	8														
		531	13-	0	64	25	4	4	2-	4	3-	8														

GDOT

P.I. NO. 0016985

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BAR REINFORCEMENT DETAILS

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MAY 2017

DRAWING NO. 35-0030

BRIDGE SHEET 30 OF 31

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

DATE | REVISIONS | BY

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
		532	11-	6	52	1																				
		630	4-	7	208	10	1	3	2-10 3/4																	
		631	12-	8	62	25	4	4	2-10 3/4		2-10 3/4															
		930	14-	0	48	10	1	1	11-	6																
		1131A	21-	4	12	9	1		19-	9																
		1131B	20-	6	12	9	1		18-	11																
		1132	41-	6	7	10	1	1	38-	4																
		1133	38-	4	4	1																				
		1134	36-	8	3	1																				
BENT 3 RIGHT	1								STAGE 2																	
		430B	47-	0	10	1																				
		530	14-	8	62																					
		531	13-	0	36																					
		532	11-	6	52																					
		630	4-	7	208																					
		631	12-	8	59																					
		930	14-	0	48																					
		1131C	19-	8	12	9	1		18-	1																
		1131D	18-	7	12	9	1		17-	0																
		1135	50-	2	7	10	1	1	47-	0																
		1136	45-	4	4	1																				
		1137	47-	0	4	1																				
		1138	31-	10	3	1																				
BENT 4 LEFT	1								STAGE 1																	
		440A	38-	4	10	1																				
		540	14-	8	32	25	4	4	3-	2	3-	8														
		541	13-	0	64	25	4	4	2-	4	3-	8														
		542	11-	6	52	1																				
		640	4-	7	208	10	1	3	2-10 3/4																	
		641	12-	8	57	25	4	4	2-10 3/4		2-10 3/4															
		940	14-	0	48	10	1	1	11-	6																
		1140A	18-	7	12	9	1		17-	0																
		1140B	17-	6	12	9	1		15-	11																
		1141	41-	6	7	10	1	1	38-	4																
		1142	38-	4	4	1																				
		1143	26-	8	3	1																				
BENT 4 RIGHT	1								STAGE 2																	
		440B	47-	0	10	1																				
		540	14-	8	62																					
		541	13-	0	36																					
		542	11-	6	52																					
		640	4-	7	208																					
		641	12-	8	54																					
		940	14-	0	48																					

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
		1140C	17-	0	12	9	1		15-	5																
		1140D	15-	11	12	9	1		14-	4																
		1144	50-	2	7	10	1	1	47-	0																
		1145	45-	4	3	1																				
		1146	47-	0	4	1																				
		1147	31-	10	3	1																				
BENT 5 LEFT	1								STAGE 1																	
		450	6-	9	20	32	5	5	2-	8	1-	8	1-	8												
		451	9-	5	36	25	4	4	2-	8	1-	8														
		452	7-	5	2	25	4	4	2-	8	0-	8														
		453A	41-	6	2	1																				
		552	4-	10	10	1																				
		553	2-	8	12	1																				
		554	7-	0	4	3			5-	0	2-	0														
		1050A	47-	0	4	1																				
BENT 5 RIGHT	1								STAGE 2																	
		450	6-	9	30																					
		451	9-	5	47																					
		453B	50-	0	2	1																				
		550	11-	8	18	1																				
		551	7-	6	26	1																				
		650	5-	3	3	1																				
		1050B	52-	8	4	3			50-	8	2-	0														

P.I. NO. 0016985

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BAR REINFORCEMENT DETAILS

SR 25 (US 17) OVER THORNHILL CREEK

GLYNN COUNTY 0016985

NO SCALE MAY 2017

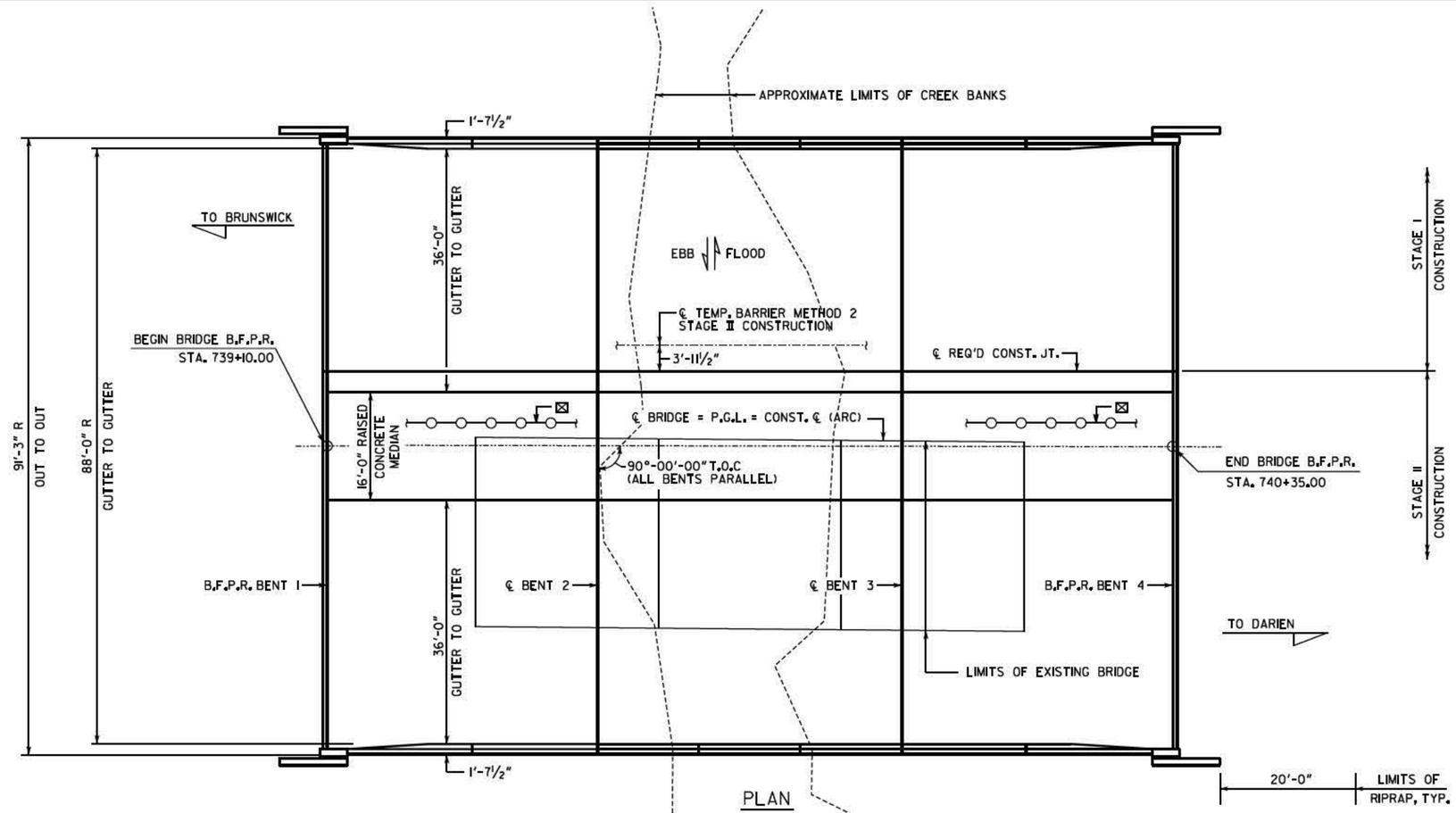
DRAWING NO. 35-0031

BRIDGE SHEET 31 OF 31

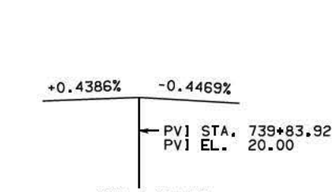
REVISIONS | DATE | BY

DESIGNED	JTM	CHECKED	ASA	REVIEWED	DLC/SKG
DRAWN	JTM	DESIGN GROUP	DLW	APPROVED	WMD

PJ. NO. 532650-



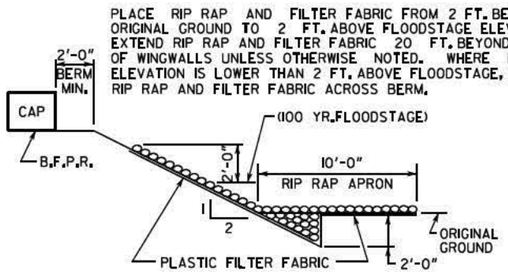
PLAN



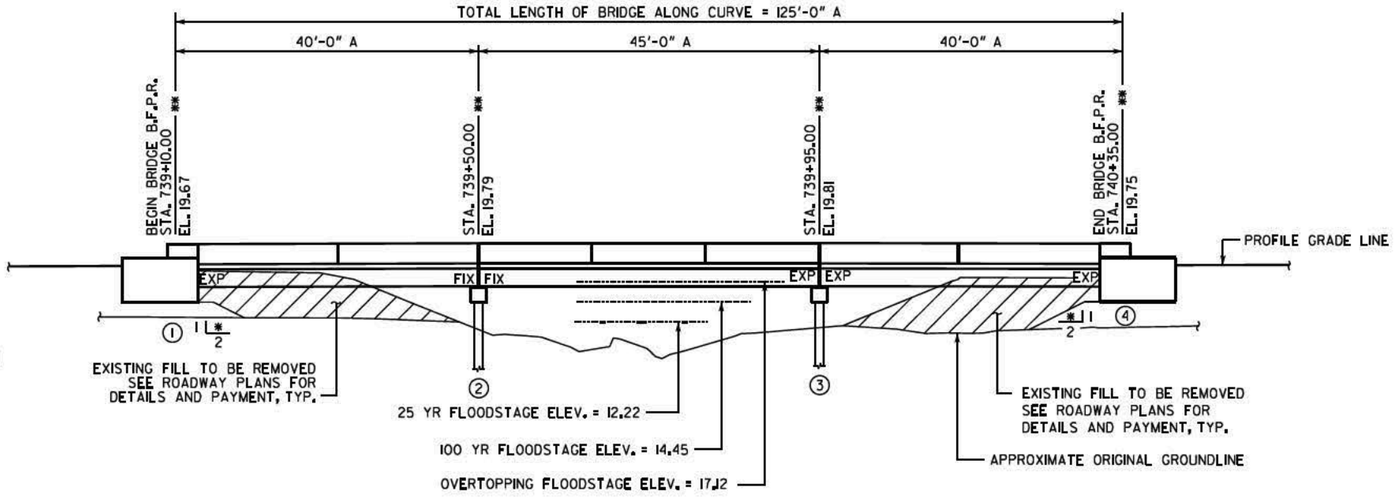
VERTICAL CURVE DATA

PI STA = 735+48.36
PC STA = 729+68.15
PT STA = 741+27.12
D = 00°-36'-25.01"
Δ = 07°-02'-03.5" (RT)
T = 580.21
L = 1158.97
R = 9440.00
E = 17.81
MAX SE = 6 %

HORIZONTAL CURVE DATA



RIP RAP DETAIL
NOT TO SCALE



ELEVATION

NOTES:

1. * 2:1 SLOPE NORMAL TO END BENT.
2. ** STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R.
3. BENT 2 IS TO BE BUILT NORMAL TO THE CONST. ℄. ALL BENTS ARE PARALLEL TO BENT 2.
4. END BENT PILES ARE NOT SHOWN.
5. ⊠ - TEMPORARY SHORING, TYP.
6. A = ARC
7. R = RADIAL

BRIDGE SERIAL NO. 127-0010-0
BRIDGE I.D. NO. 127-00025D-022.45N
PROJECT P.I. NO. 532650-

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

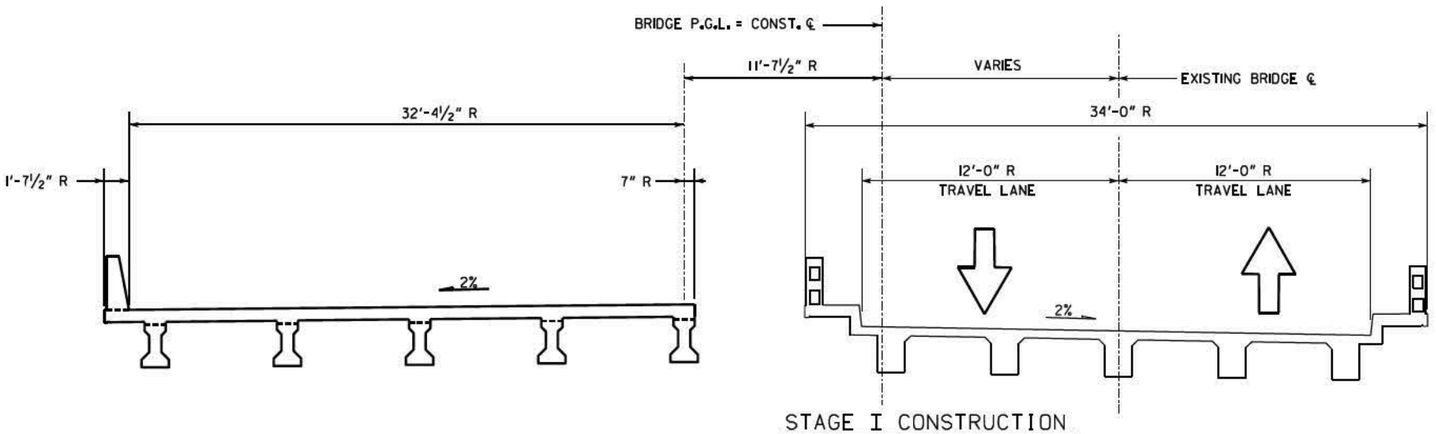
PLAN AND ELEVATION
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 17

REVISIONS | BY | DATE

SCALE: 1" = 10'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD



STAGE I CONSTRUCTION
TYPICAL SECTION
SPAN 2 SHOWN

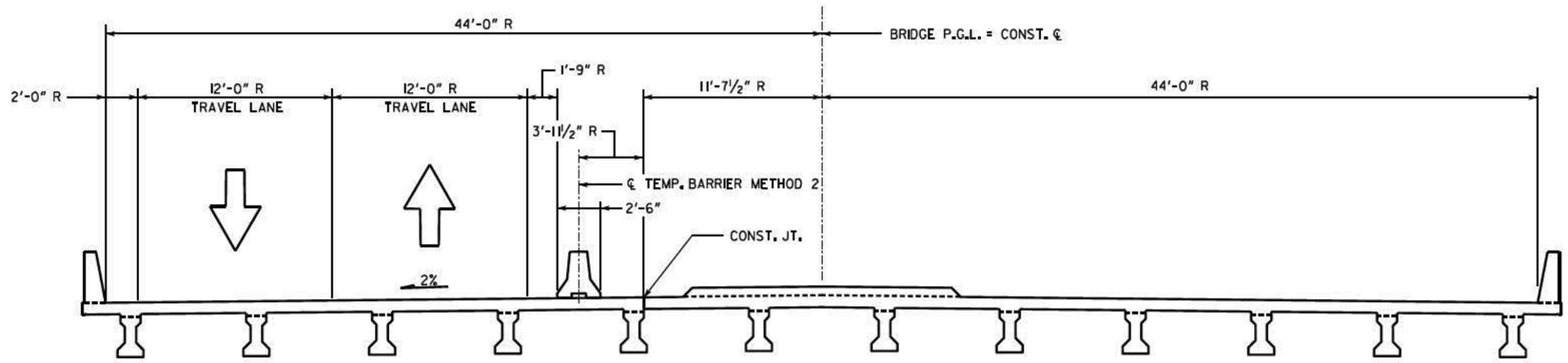
CONSTRUCTION SEQUENCE

1. PLACE TEMPORARY SHORING AS NECESSARY. MAINTAIN 2 - 12'-0" TRAFFIC LANES ON EXISTING BRIDGE.
2. BUILD STAGE I ACCORDING TO PLANS.
3. PLACE TEMPORARY BARRIER, METHOD 2, ACCORDING TO PLANS. SHIFT TRAFFIC TO STAGE I CONSTRUCTION, MAINTAINING 2 - 12'-0" TRAVEL LANES.
4. REMOVE EXISTING BRIDGE.
5. COMPLETE STAGE II CONSTRUCTION ACCORDING TO PLANS.
6. REMOVE TEMPORARY BARRIER, SHIFT TRAFFIC TO PERMANENT LOCATIONS AND OPEN COMPLETED BRIDGE TO TRAFFIC.

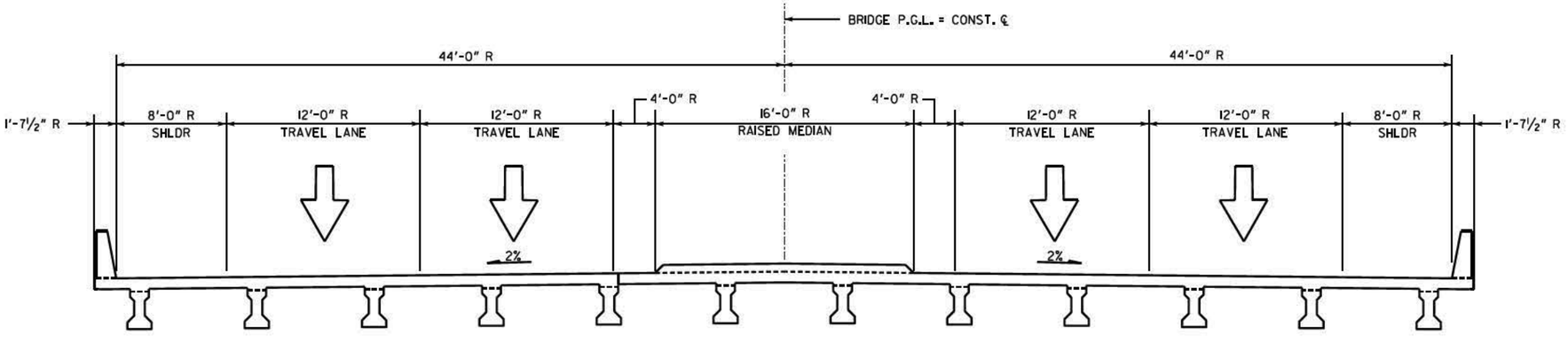
THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS, SEE ROADWAY PLANS.

IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED CONSTRUCTION SEQUENCE FOR APPROVAL.

R = RADIAL DIMENSION



STAGE II CONSTRUCTION
TYPICAL SECTION
SPAN 2 SHOWN



COMPLETE DECK SECTION
SPAN 2 SHOWN

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

CONSTRUCTION STAGING
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

NO SCALE MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0002
BRIDGE SHEET 2 OF 17

REVISIONS | BY | DATE

GDOT | P.I. NO. 532650-

BRIDGE CONSISTS OF

2 - 40'-0" TYPE I MOD PSC BEAM SPANS ---------- SPECIAL DESIGN

1 - 45'-0" TYPE I MOD PSC BEAM SPAN ---------- SPECIAL DESIGN

2 - PSC PILE END BENTS ---------- SPECIAL DESIGN

2 - PSC PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN

4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 3'-6")

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

CONCRETE BARRIERS - TEMP. ---------- GA. STD. 4960 (5-10-07)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

SQUARE PRESTRESSED CONCRETE PILES ---------- GA. STD. 3215 (2-22-84)

DRAINAGE DATA

DRAINAGE AREA ---------- 1.5 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
25 YEAR	314 CFS	1.95 FPS	161 SQ FT	0.18 FT
100 YEAR	1,099 CFS	2.68 FPS	410 SQ FT	N/A FT
OVER TOPPING STORM	3,594 CFS	5.52 FPS	651 SQ FT	N/A FT

TRAFFIC DATA

TRAFFIC ---------- ADT = 7,350 (2022)
ADT = 8,250 (2042)

DESIGN SPEED ---------- 55 MPH

TRUCKS ---------- 2 %

24 HR TRUCKS ---------- 3.5 %

DIRECTIONAL ---------- 57 %

EXISTING UTILITIES

NO UTILITIES ON BRIDGE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION, AND 2016 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2" MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TEMPORARY BARRIERS, METHOD 2 - PLACE TEMPORARY BARRIERS AS SHOWN ON THE PLANS AND GEORGIA STANDARD NO. 4960 TO PROVIDE FOR 2 - 12'-0" TRAFFIC LANES. SUPPLY AND USE THE BARRIER IN ACCORDANCE WITH SECTION 620 OF THE GEORGIA DOT SPECIFICATIONS.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE OBTAINED ON THE GEORGIA DOT DOT WEBSITE AT:

HTTP://WWW.DOT.GA.GOV/BS/PROJECTS/PROJECTSEARCH

THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER B.A.(2)179I-A(I5) (PROJECT ID NO. H007492).

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DRIVING RESISTANCE - DETERMINE DRIVING RESISTANCE FOR PILES USING DYNAMIC PILE TESTING IN ACCORDANCE WITH SPECIAL PROVISION 520. DYNAMIC PILE TESTING SHALL BE REQUIRED FOR ONE PILE AT EACH OF BENT 1 LEFT AND BENT 3 RIGHT.

DYNAMIC PILE TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ANALYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT 404-608-4720 TWO WEEKS PRIOR TO DRIVING PILES.

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS (WEAP) IN ACCORDANCE WITH SPECIAL PROVISION 520. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

PILING - JETTING OR SPUDDING OF PSC PILING MAY BE NECESSARY AT THIS SITE TO ACHIEVE THE INDICATED PLAN DRIVING OBJECTIVE.

TEST PILES - DRIVE TEST PILES AT THE FOLLOWING LOCATIONS:

ONE 16 IN SQ PSC X 40 FT AT BENT 1 LEFT
ONE 14 IN SQ PSC X 40 FT AT BENT 3 RIGHT

HIGH PERFORMANCE CONCRETE (HPC) - PRESTRESSED CONCRETE PILES FOR THIS BRIDGE UTILIZE HIGH PERFORMANCE CONCRETE. SPECIAL REQUIREMENTS ARE REQUIRED AS DETAILED IN SPECIAL PROVISIONS SECTIONS 500 AND 865. HPC PSC PILES WILL BE PAID FOR AS "PILING, PSC".

PRESTRESSED CONCRETE PILES - ALL PRESTRESSED CONCRETE (PSC) PILES UTILIZED AS PERMANENT PILES FOR THIS PROJECT SHALL BE REINFORCED WITH STAINLESS STEEL WIRE STRAND, STAINLESS STEEL WIRE AND STAINLESS STEEL BAR REINFORCEMENT IN ACCORDANCE WITH SPECIAL PROVISION 853 - "REINFORCEMENT AND TENSIONING STEEL" AND AS SHOWN IN THE PLANS.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS. DO NOT GROOVE UNDER RAISED MEDIAN.

EXTERIOR BEAM BRACING - THE CONTRACTOR SHALL PROVIDE BRACING BETWEEN EXTERIOR BEAM AND THE FIRST INTERIOR BEAM UNTIL THE DECK HAS BEEN POURED AND THE OVERHANG FORMS REMOVED FOR SPANS 1 AND 3. ALL COST FOR DESIGNING, PROVIDING, INSTALLING AND REMOVING BRACING SHALL BE INCLUDED IN PRICE BID FOR LUMP - SUPERSTRUCTURE CONCRETE.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

BRIDGE REMOVAL - REMOVE EXISTING BRIDGE AS PER SUB-SECTION 540.3.05 OF THE GEORGIA DOT SPECIFICATIONS.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

INCIDENTAL ITEMS-INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

STEEL DIAGRAMS- SUBSTITUTION FOR STEEL DIAPHRAGMS IS NOT ALLOWED FOR THIS BRIDGE.

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 7TH EDITION, 2014
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 2, SDI = 0.165)

DESIGN VEHICLE LIVE LOAD ---------- HL-93

FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

CONCRETE: SUPERSTRUCTURE ---------- CLASS D, f'_c = 4,000 PSI
BARRIER ---------- CLASS D, f'_c = 4,000 PSI
PSC BEAMS ---------- CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ---------- SEE BEAM SHEETS
SUBSTRUCTURE ---------- CLASS A, f'_c = 3,000 PSI

REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI

PRETENSIONING STRANDS: ---------- f'_s = 270,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	945	SY	GROOVED CONCRETE
500-1011	LUMP	LS	SUPERSTR CONCRETE, CL D, BR NO - 1 (376)
500-2100	238	LF	CONCRETE BARRIER
500-3101	101	CY	CLASS A CONCRETE
507-8900	1458	LF	PSC BEAMS, AASHTO TYPE I MOD, BR NO - 1
511-1000	12022	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (87759)
520-2414	990	LF	PILING, PSC - SS REINF, 14 IN SQ
520-2416	1045	LF	PILING, PSC - SS REINF, 16 IN SQ
520-3414	1	EA	TEST PILE, PSC - SS REINF, 14 IN SQ
520-3416	1	EA	TEST PILE, PSC - SS REINF, 16 IN SQ
523-1100	2	EA	DYNAMIC PILE TEST
540-1101	LUMP	LS	REMOVAL OF EXISTING BR, STA NO - 739+73
603-2024	743	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	743	SY	PLASTIC FILTER FABRIC
620-0200	461	LF	TEMPORARY BARRIER, METHOD NO. 2

BRIDGE NO.1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

CONSTRUCTION STAGING
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

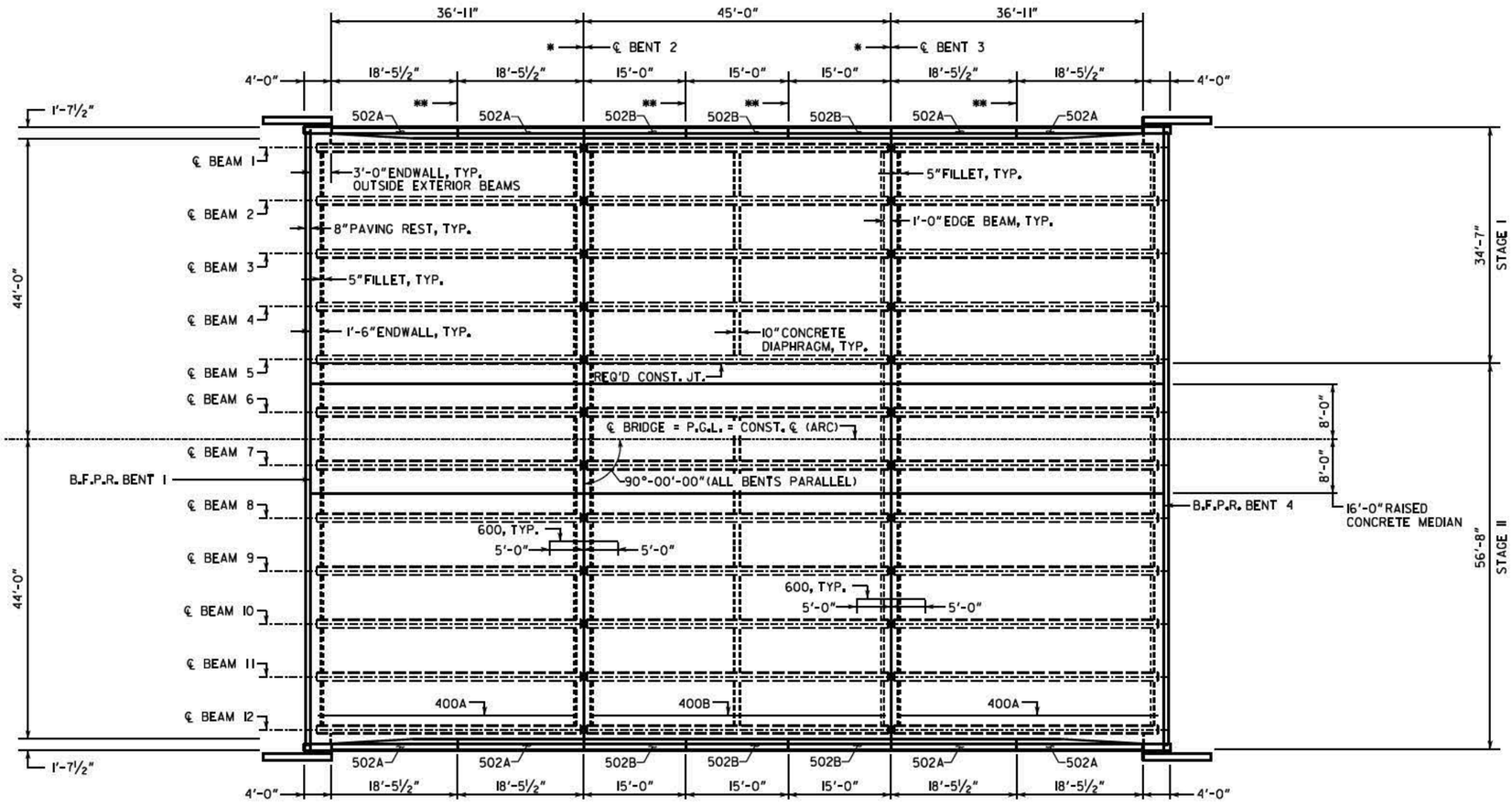
DATE | REVISIONS | BY

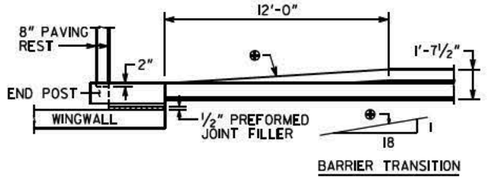
DRAWING NO. 35-0003
BRIDGE SHEET 3 OF 17

NO SCALE MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

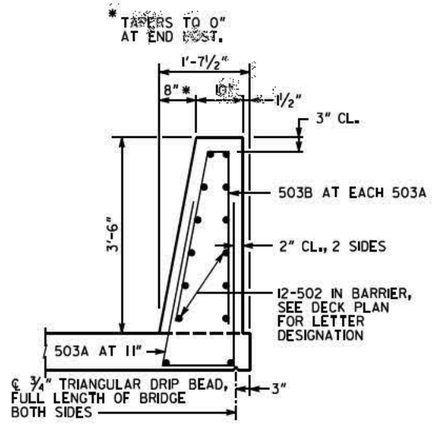
P.I. NO. 532650-





BARRIER TRANSITION DETAIL

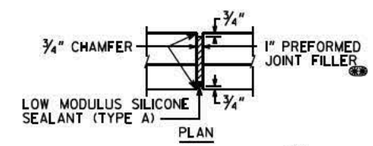
SCALE: ½" = 1'-0"

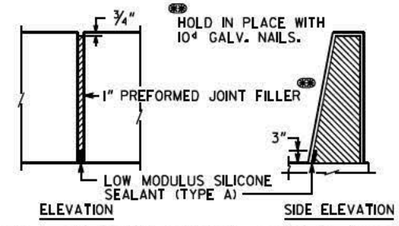


BARRIER DETAIL

SCALE: ¾" = 1'-0"

NOTE: PROVIDE 2'-2" MINIMUM LAP FOR 502 AND 503 BARS IN BARRIER.





DETAILS OF 1" EXPANSION JOINT IN BARRIER

SCALE: ½" = 1'-0"

NOTES:

1. BAR 600 IS THE ONLY DECK REINFORCEMENT THAT IS CONTINUOUS THRU THE REQ'D CONST. JT. AT ℄ BENT 2 & 3
2. BAR 600 SHALL BE 10'-0" LONG AND CENTERED OVER ℄ BENT.
3. * ℄ 1" EXP. JT. IN BARRIER & CONST. JT. IN SLAB
4. ** ℄ 1" EXP. JT. IN BARRIER, TYP.

SUPERSTRUCTURE QUANTITIES

	STAGE I				STAGE II				
ITEM	SPAN 1	SPAN 2	SPAN 3	SUBTOTAL	SPAN 1	SPAN 2	SPAN 3	SUBTOTAL	TOTAL
LUMP - SUPERSTR. CONCRETE, CU. YDS., CLASS "D"	43.0	44.2	43.0	130.2	80.7	83.9	80.7	245.3	375.5
LUMP - SUPERSTR. REINF. STEEL, LBS.	11505	11420	11505	34430	17854	17621	17854	53329	87759

END POST CONCRETE AND BAR REINFORCEMENT STEEL INCLUDED IN END SPAN QUANTITIES.
600 BARS INCLUDED IN SPAN 1 AND 3 QUANTITIES.

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK PLAN

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

SCALE: 1" = 10'-0" (UNLESS OTHERWISE NOTED) MAY 2017

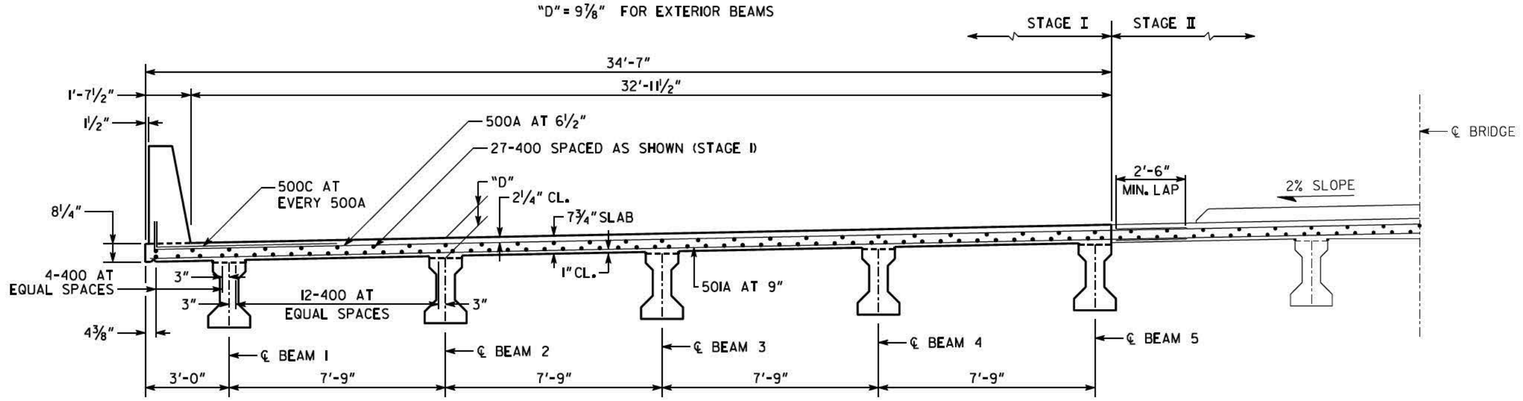
DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0004
BRIDGE SHEET 4 OF 17

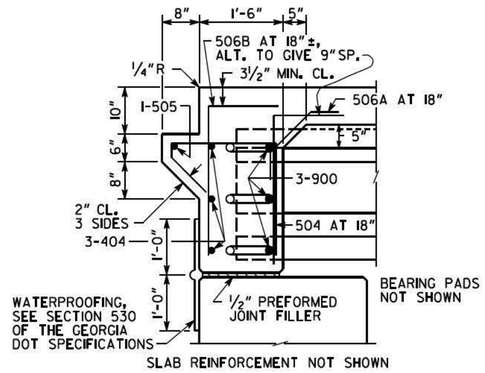
DATE | REVISIONS | BY

P.I. NO. 532650-

DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 7¾" BETWEEN BEAMS AND 8¼" AT THE OVERHANGS.
"D" = 9⅜" FOR INTERIOR BEAMS
"D" = 9⅞" FOR EXTERIOR BEAMS

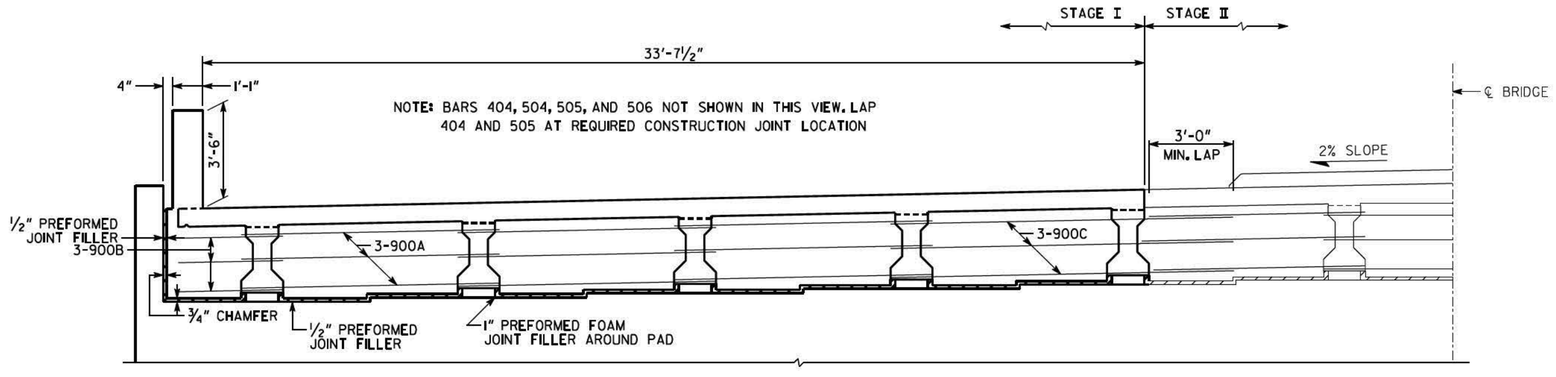


SECTION THRU SLAB



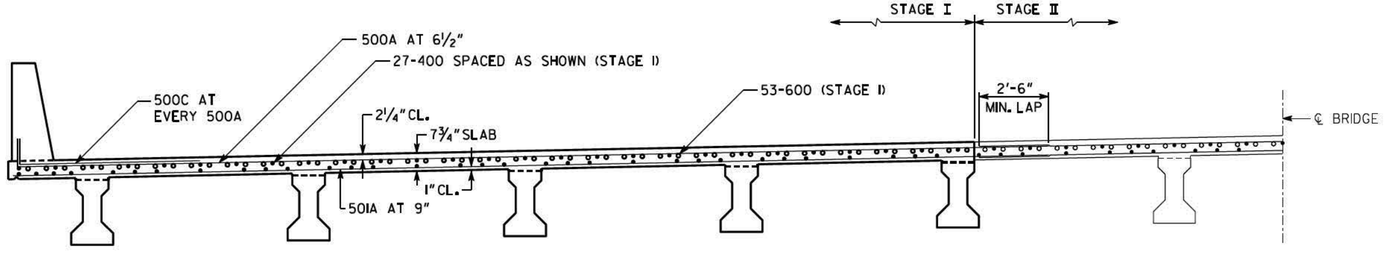
SECTION AT ENDWALL

SCALE: ¾" = 1'-0"



SECTION THRU ENDWALL

BAR LAP TABLE	
BAR SIZE	MIN. LAP
4	1'-9"
5	2'-6"
8	4'-6"
9	3'-0"



SECTION THRU SLAB AT INTERMEDIATE BENT

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

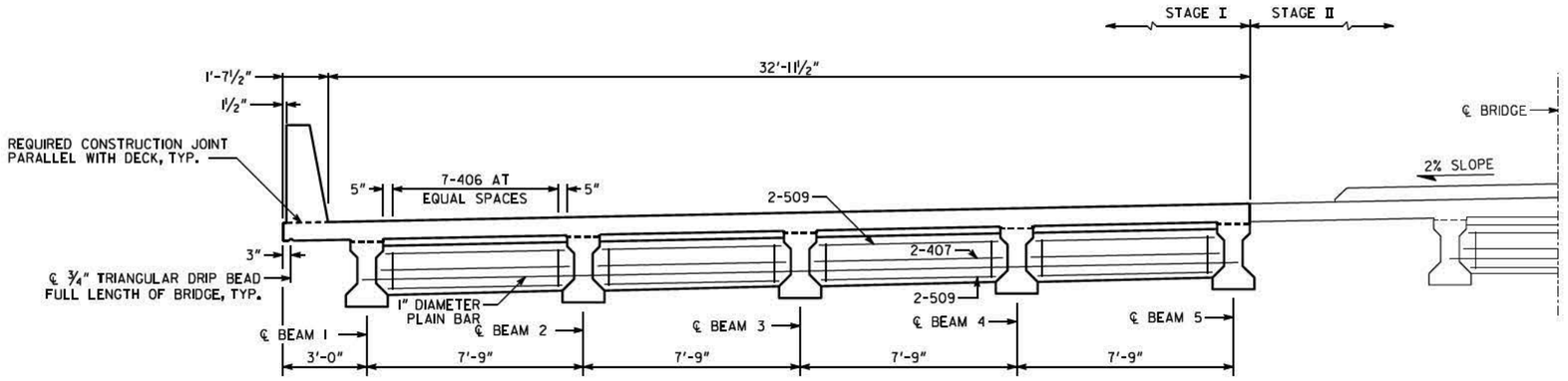
DECK SECTIONS - STAGE I
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

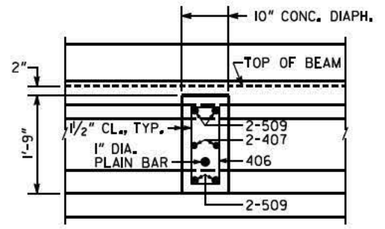
DRAWING NO. 35-0005
BRIDGE SHEET 5 OF 17

DATE | REVISIONS | BY



SECTION THRU DIAPHRAGM

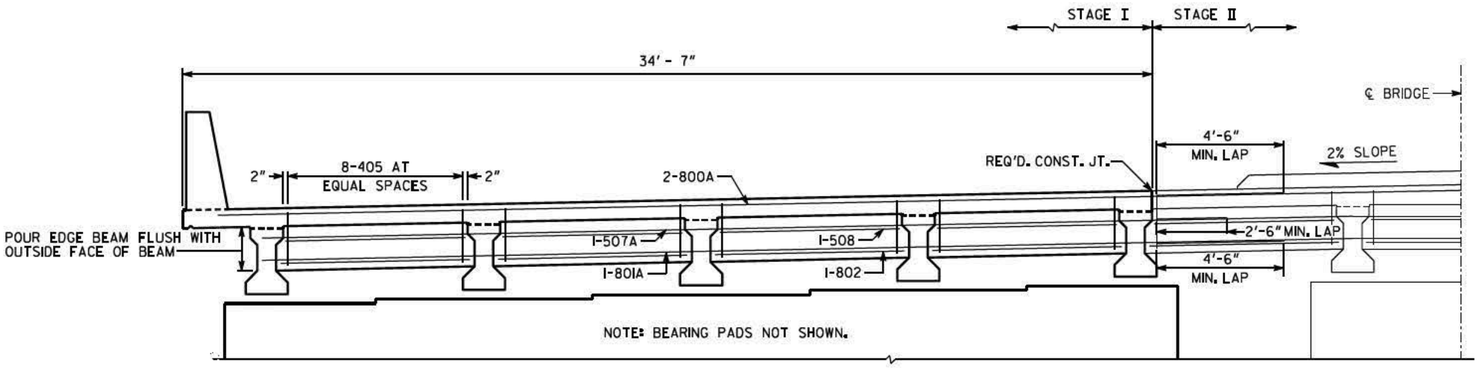
(SPAN 2 ONLY)



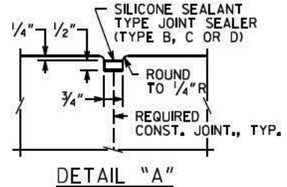
SLAB REINFORCEMENT NOT SHOWN

SECTION THRU DIAPHRAGM

SCALE: ¾" = 1'-0"

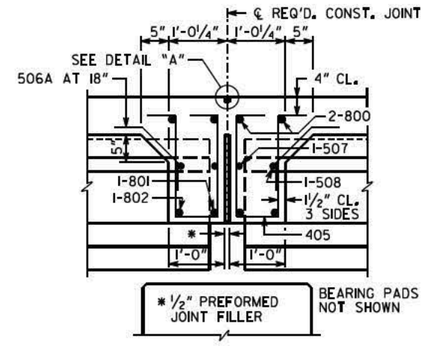


SECTION THRU EDGE BEAM



DETAIL "A"

NO SCALE



SLAB REINFORCEMENT NOT SHOWN

SECTION THRU EDGE BEAM

SCALE: ¾" = 1'-0"

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - STAGE I

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

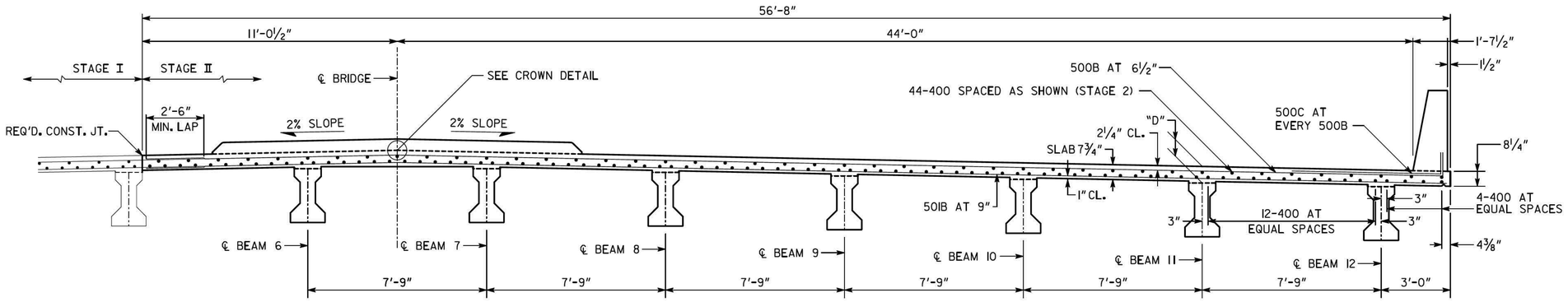
DRAWING NO. 35-0006

BRIDGE SHEET 6 OF 17

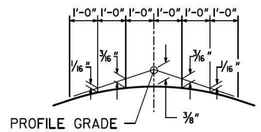
DATE | REVISIONS | BY

P.I. NO. 532650-

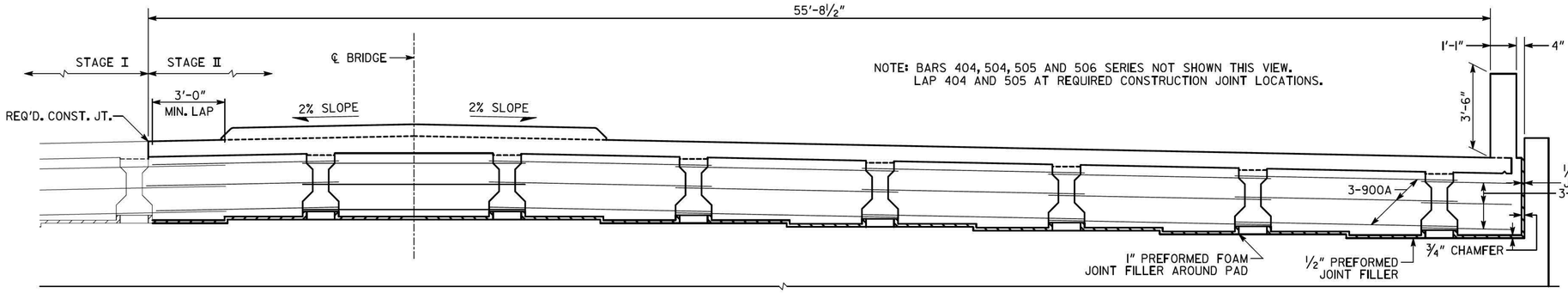
DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 7¾" BETWEEN BEAMS AND 8¼" AT THE OVERHANGS.
"D" = 9⅜" FOR INTERIOR BEAMS
"D" = 9⅞" FOR EXTERIOR BEAMS



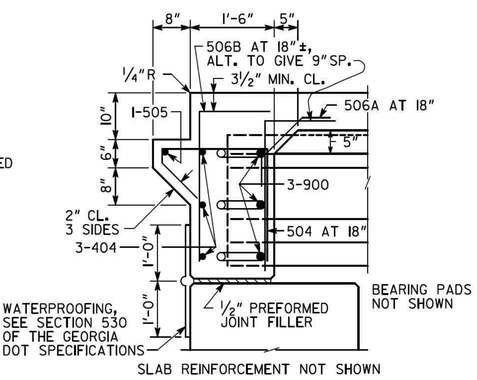
SECTION THRU SLAB



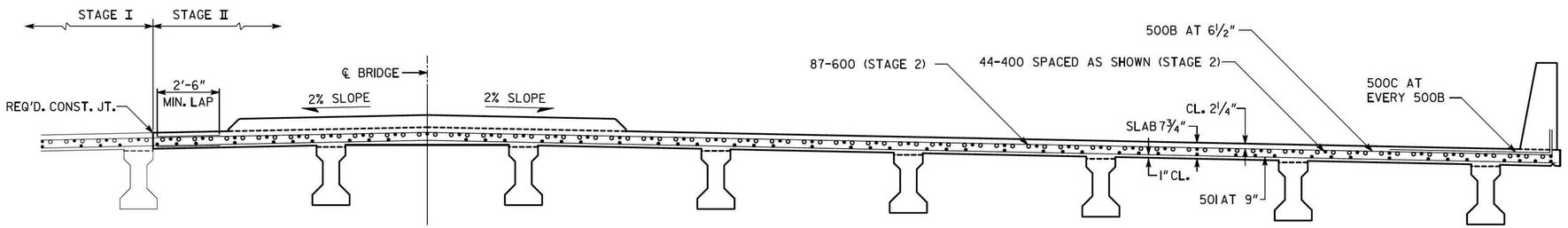
CROWN DETAIL
2% CROSS SLOPE
NO SCALE



SECTION THRU ENDWALL



SECTION AT ENDWALL
SCALE: ¾" = 1'-0"



SECTION THRU SLAB AT INTERMEDIATE BENT

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - STAGE 2
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

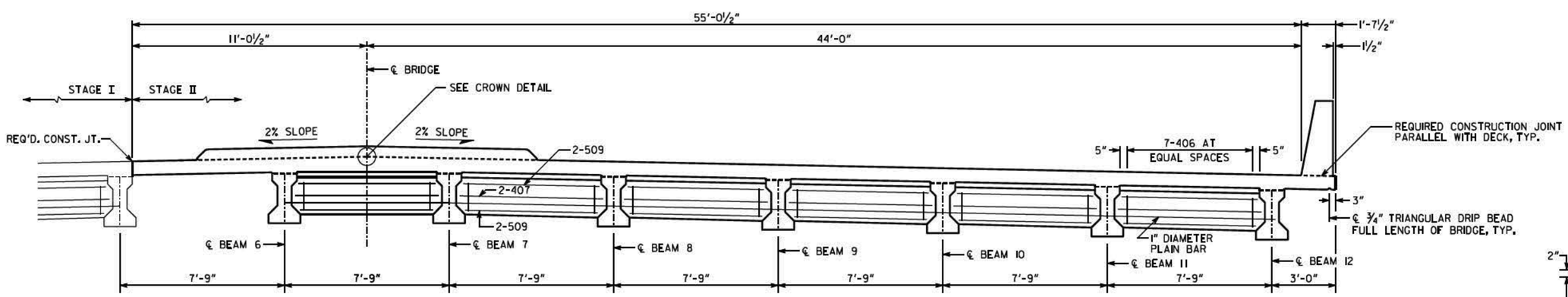
SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0007
BRIDGE SHEET 7 OF 17

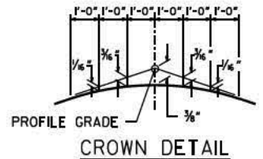
DATE | REVISIONS | BY

P.I. NO. 532650-



SECTION THRU DIAPHRAGM

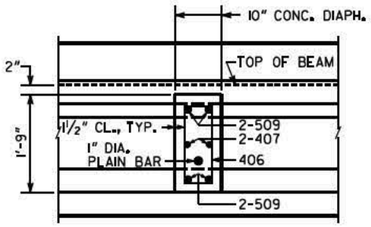
(SPAN 2 ONLY)



CROWN DETAIL

2% CROSS SLOPE

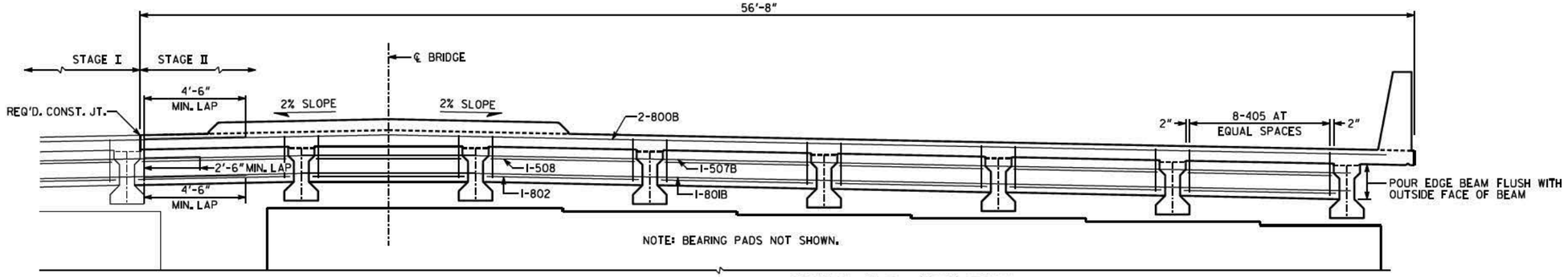
NO SCALE



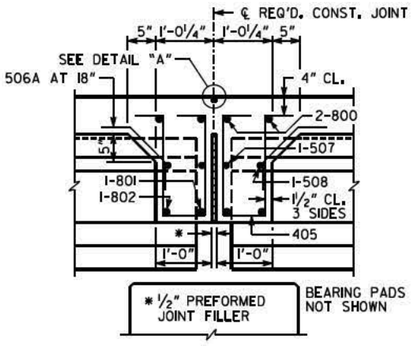
SLAB REINFORCEMENT NOT SHOWN

SECTION THRU DIAPHRAGM

SCALE: ¾" = 1'-0"



SECTION THRU EDGE BEAM



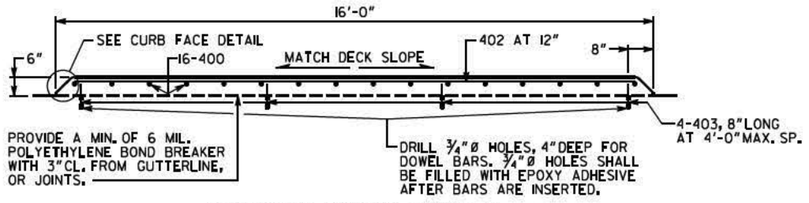
SLAB REINFORCEMENT NOT SHOWN

SECTION THRU EDGE BEAM

SCALE: ¾" = 1'-0"

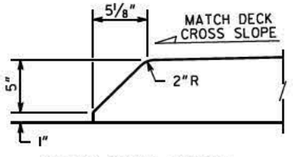
PLACE TRANSVERSE MARKINGS SPACED AT 5'-0"±.

COST OF BOND BREAKER AND EPOXY ADHESIVE TO BE INCLUDED IN PRICE BID FOR SUPERSTRUCTURE ITEMS.



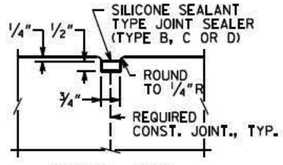
CONCRETE MEDIAN DETAILS

SCALE: ½" = 1'-0"



CURB FACE DETAIL

NO SCALE



DETAIL "A"

NO SCALE

BRIDGE NO. 1

GEORGIA

DEPARTMENT OF TRANSPORTATION

ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

DECK SECTIONS - STAGE 2

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) MAY 2017

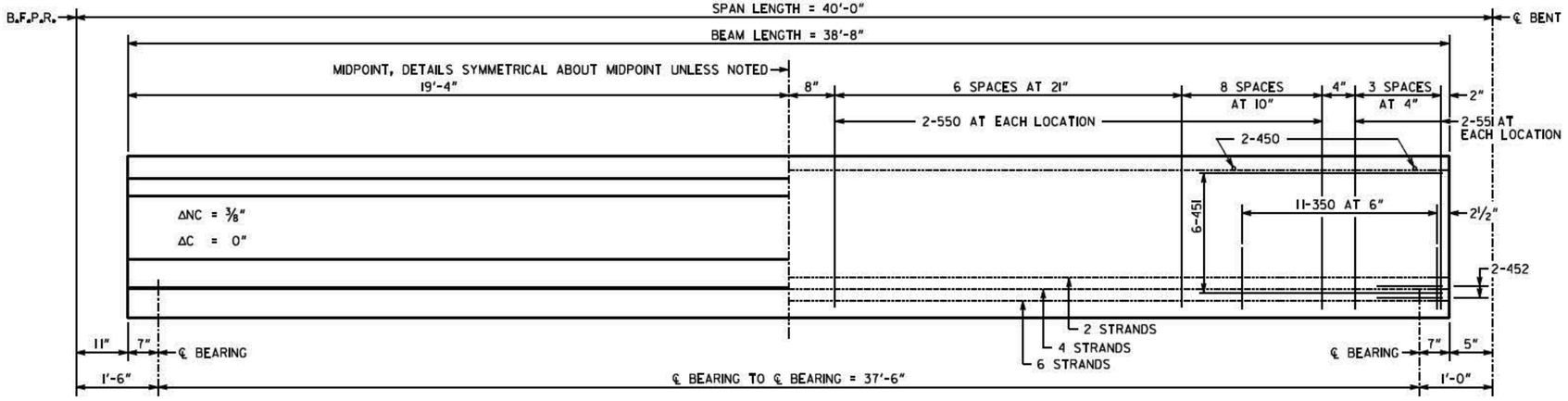
DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG

DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

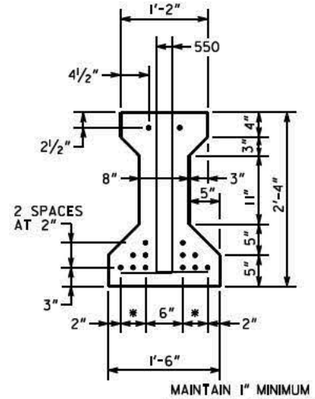
DRAWING NO. 35-0008

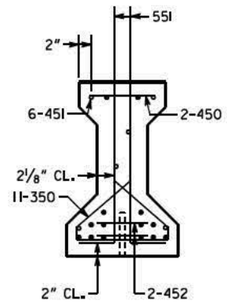
BRIDGE SHEET 8 OF 17

REVISIONS | DATE | BY



ELEVATION





MAINTAIN 1" MINIMUM CLEARANCE UNLESS SHOWN.
• INDICATES 0.6" DIAMETER PRESTRESSED STRANDS.
✱ = 2 SPACES AT 2"

SECTION AT MIDPOINT SECTION AT END

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 3'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
2. CHAMFER EDGES OF BEAMS ½" OR ¾".
3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE ⅛" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
4. AT ℄ BEARING, FORM A 1¾" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1¾" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1½" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
6. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
7. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER AND RAISED MEDIAN.
8. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
9. PRESTRESSING DATA IS AS FOLLOWS:
   A. USE 14 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
   B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 5,500 PSI.
   C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 615,202.
   D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 492,188 LBS.
10. CONCRETE STRENGTH (f'_c) = 6,000 PSI.
11. ALLOWABLE PSC BEAM TENSION = 465 PSI.

REINFORCEMENT

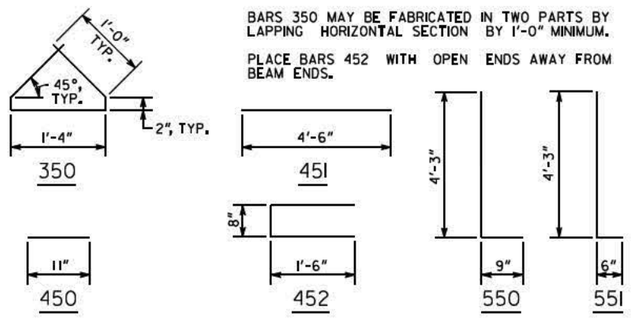
ALL BAR DIMENSIONS ARE OUT TO OUT.

AT THE TOP OF THE BEAM, BARS 550 AND 551 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT.

SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS.

BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM.

PLACE BARS 452 WITH OPEN ENDS AWAY FROM BEAM ENDS.



BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

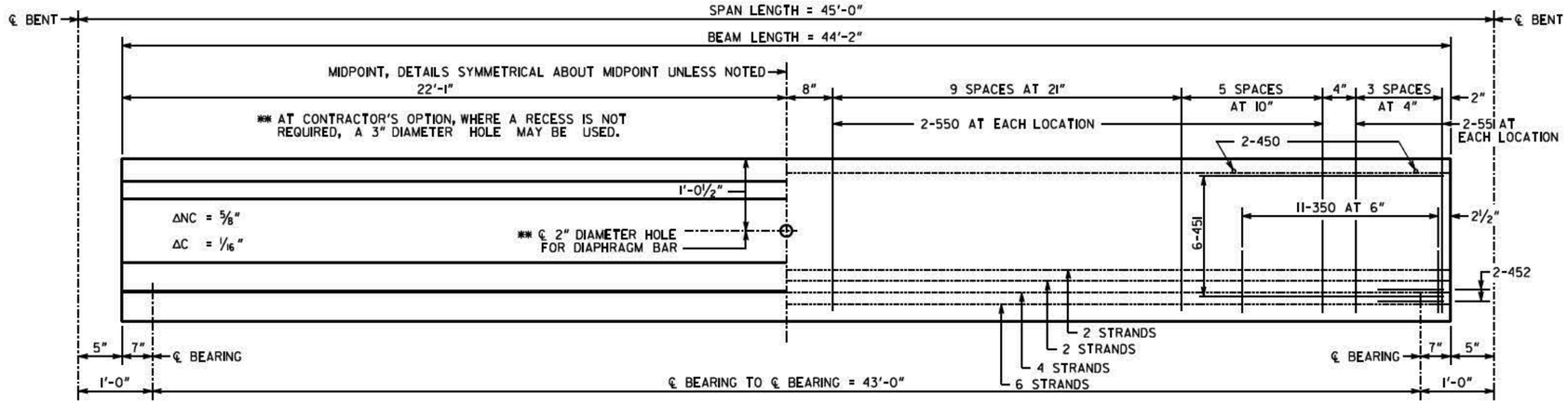
TYPE I MOD PSC BEAM - END SPANS
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

DRAWING NO. 35-0009
BRIDGE SHEET 9 OF 17

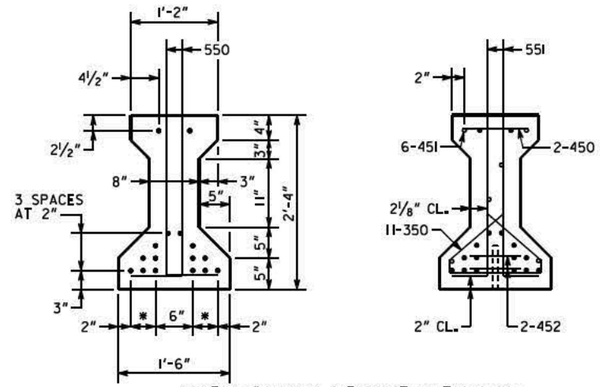
NO SCALE MAY 2017

DESIGNED SLW CHECKED DLW REVIEWED DLC/SKG
DRAWN SLW DESIGN GROUP DLW APPROVED WMD

DATE REVISIONS BY



ELEVATION

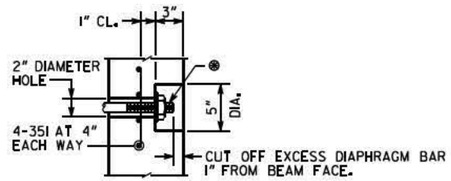


MAINTAIN 1" MINIMUM CLEARANCE UNLESS SHOWN.
• INDICATES 0.6" DIAMETER PRESTRESSED STRANDS.
* = 2 SPACES AT 2"

SECTION AT MIDPOINT SECTION AT END

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 3'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.
2. CHAMFER EDGES OF BEAMS ½" OR ¾".
3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE ⅛" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.
4. AT ℄ BEARING, FORM A 1¾" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1¾" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1½" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.
5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.
6. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.
7. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER AND RAISED MEDIAN.
8. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.
9. PRESTRESSING DATA IS AS FOLLOWS:
   A. USE 16 - 0.6" DIAMETER LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.
   B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 6,000 PSI.
   C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 703,088 LBS.
   D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 559,107 LBS.
10. CONCRETE STRENGTH (f'_c) = 6,500 PSI.
11. ALLOWABLE PSC BEAM TENSION = 484 PSI.



● DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH ¼" X 3½" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36).

TIGHTEN DIAPHRAGM BAR AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS.

AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, PAINT DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, FILL THE RECESS WITH AN APPROVED EPOXY GROUT.

GALVANIZING OF THE DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS

REINFORCEMENT

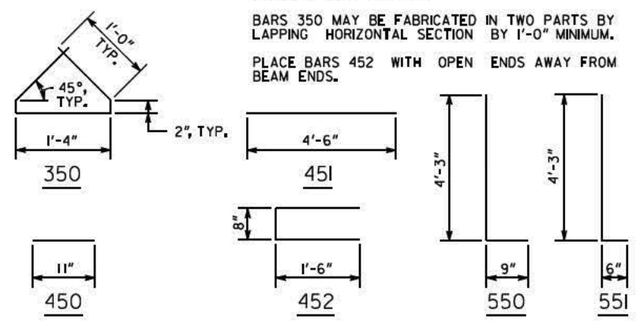
ALL BAR DIMENSIONS ARE OUT TO OUT.

AT THE TOP OF THE BEAM, BARS 550 AND 551 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT.

SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS.

BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM.

PLACE BARS 452 WITH OPEN ENDS AWAY FROM BEAM ENDS.



BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

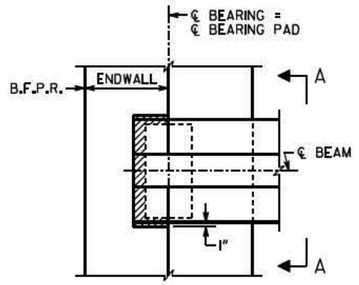
TYPE I MOD PSC BEAM - INTERMEDIATE SPAN
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

DRAWING NO. 35-0010
BRIDGE SHEET 10 OF 17

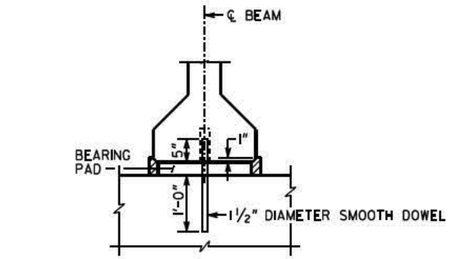
NO SCALE MAY 2017

DESIGNED SLW	CHECKED DLW	REVIEWED DLC/SKG
DRAWN SLW	DESIGN GROUP DLW	APPROVED WMD

DATE | REVISIONS | BY



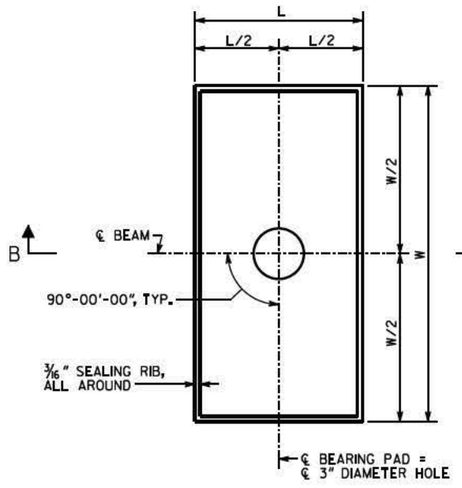
PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



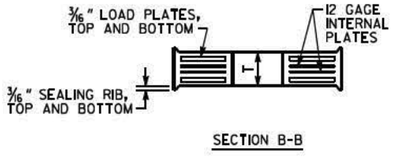
▨ PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A



PLAN



SECTION B-B

BEARING PAD

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
2. 1½" DIAMETER SMOOTH DOWELS SHALL BE ASTM A 709 GRADE 50.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 12 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A 1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.

BENT	BEARING PADS							
						DESIGN LOADS (KIPS)		
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	14"	9"	2¾"	3	¼"	40.9	52.7	93.6
2B	14"	9"	2¾"	3	0"	40.9	52.7	93.6
2A	14"	9"	2¾"	3	0"	45.5	55.9	101.4
3B	14"	9"	2¾"	3	5/16"	45.5	55.9	101.4
3A	14"	9"	2¾"	3	5/16"	40.9	52.7	93.6
4	14"	9"	2¾"	3	5/16"	40.9	52.7	93.6

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEARING PAD DETAILS
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

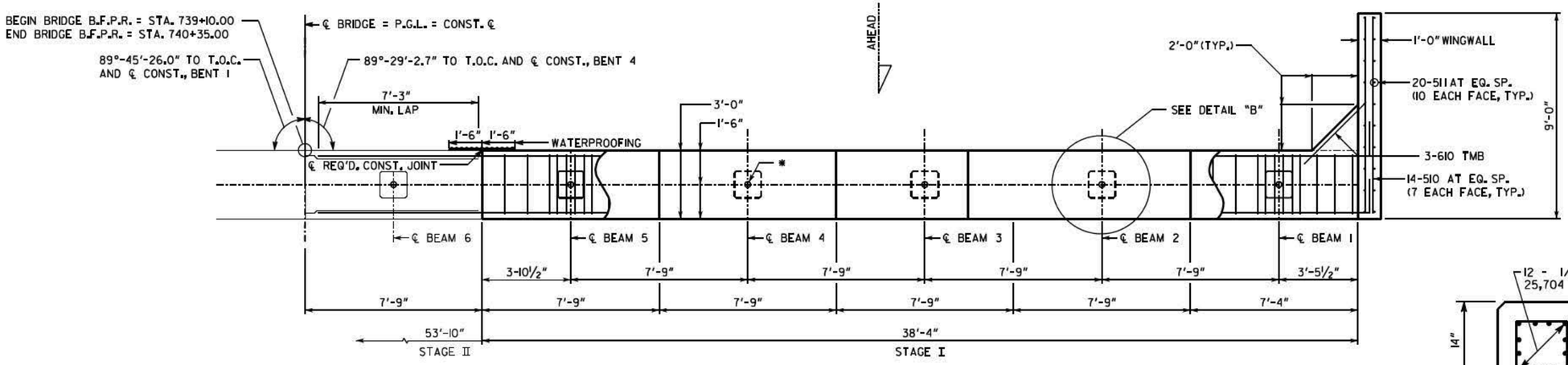
DRAWING NO. 35-0011
BRIDGE SHEET 11 OF 17

NO SCALE MAY 2017

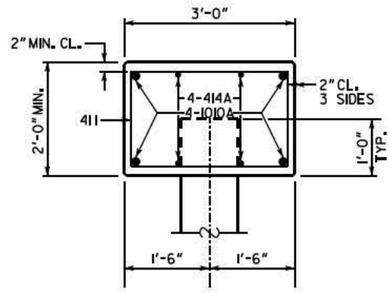
DESIGNED SLW | DRAWN SLW | CHECKED DLW | DESIGN GROUP DLW | REVIEWED DLC/SKG | APPROVED WMD

DATE | REVISIONS | BY

GDOT | P.I. NO. 532650-

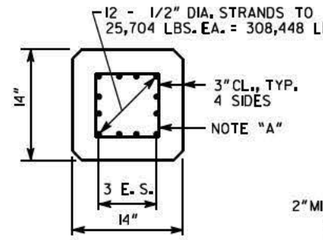


PLAN



SECTION A-A

SCALE: ¾" = 1'-0"

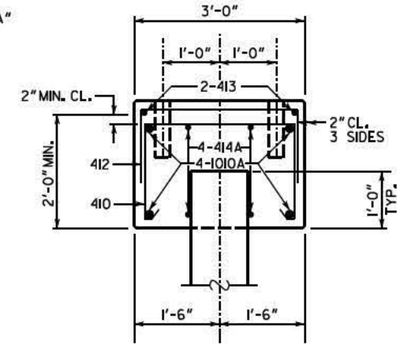


14" X 14" STAINLESS STEEL PILE CROSS SECTION

NO SCALE

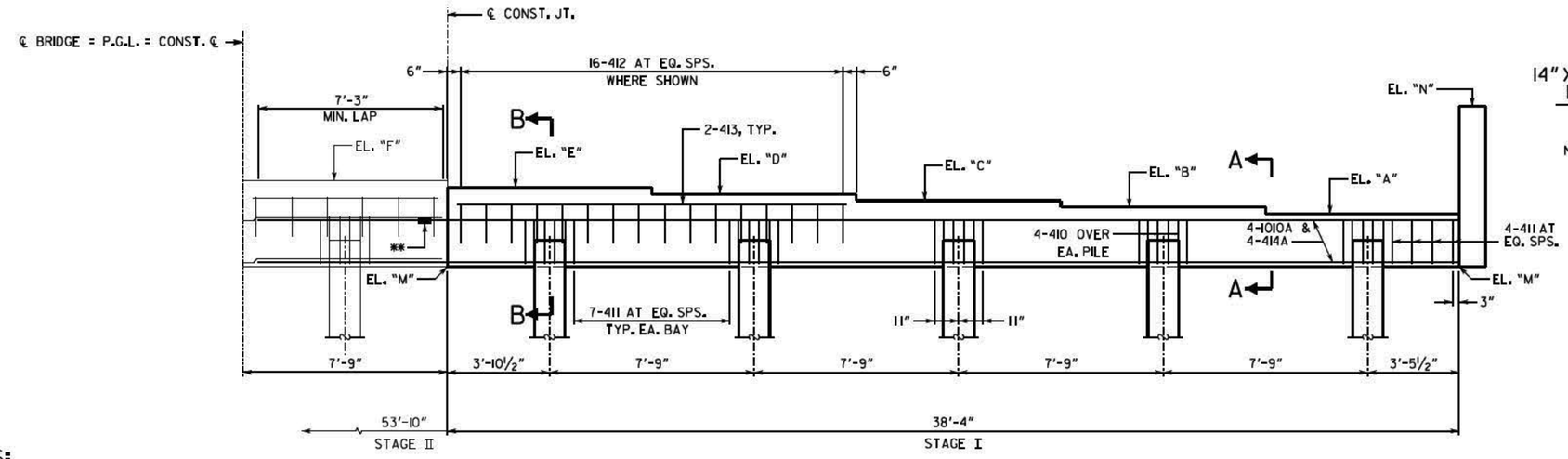
E.S. = EQUAL SPACES

NOTE "A": NO. 5 BIRMINGHAM GAGE WIRE SPIRAL



SECTION B-B

SCALE: ¾" = 1'-0"



ELEVATION

(LOOKING BACK BENT 1)
(LOOKING AHEAD BENT 4)

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 156 KIPS.

ALL PILES SHALL BE 14 IN. SQ. PSC

PLAN DRIVING OBJECTIVE

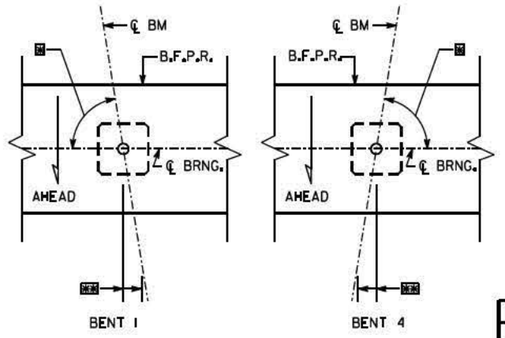
ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 239 KIPS AFTER A MINIMUM TIP ELEVATION OF -22 (BENT 1) AND -24 (BENT 4) IS ACHIEVED.

NOTES:

1. MAINTAIN 2" CL. ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
2. SEE GA. STD. 9037 FOR DRAINAGE DETAILS AT END BENTS.
3. POUR WINGWALLS MONOLITHICALLY WITH CAP.
4. WINGWALL PILES NOT SHOWN.
5. BOTTOM OF WINGWALLS LEVEL.
6. PROVIDE 3-PLY WATERPROOFING 1'-6" ON EACH SIDE OF CONSTRUCTION JOINT.

* FORM 3" DIA. X 12" DEEP HOLE FOR DOWEL BAR, TYP.

** MECHANICAL SPLICE SEE SPECIAL PROVISION 511.



DETAIL "B"

NO SCALE

BEAM ANGLE IS EXAGGERATED

BEAM ANGLES		
BENT	*	**
1	89°-52'-43.0", TYP.	1/16"
4	89°-36'-19.7", TYP.	1/8"

TABLE OF ELEVATIONS							
	A	B	C	D	E	M	N
BENT 1	15.44	15.64	15.79	15.95	16.10	13.44	19.66
BENT 4	15.51	15.71	15.86	16.02	16.17	13.51	19.73

SUBSTRUCTURE QUANTITIES - STAGE I		
ITEM	BENT 1	BENT 4
CY CLASS "A" CONCRETE	12.9	12.9
LB BAR REINFORCEMENT STEEL	1628	1628

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

END BENT 1 AND 4 - STAGE I

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

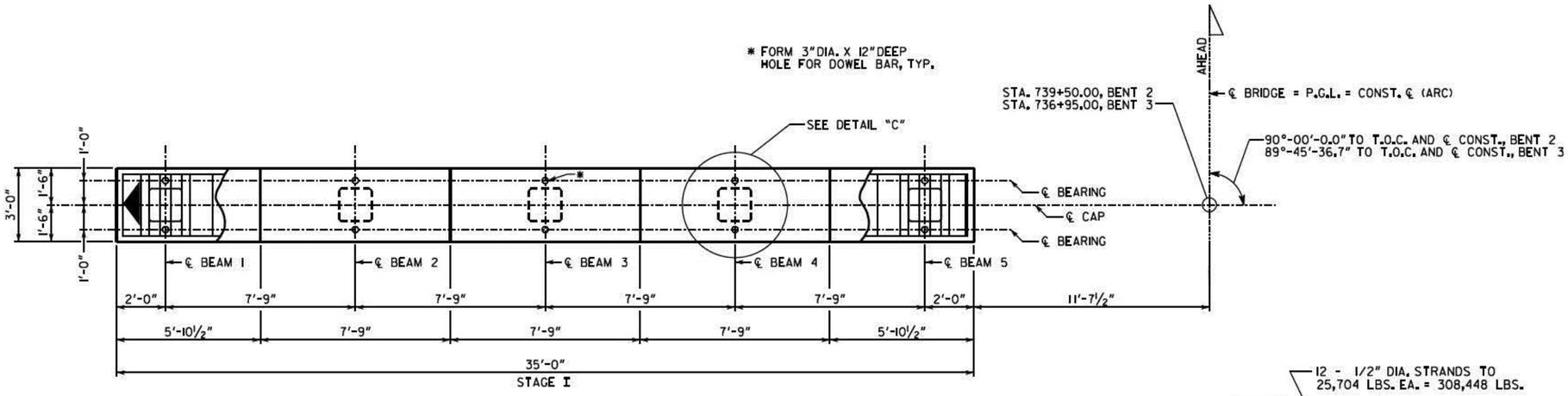
SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) FEBRUARY 2017

DRAWING NO. 35-0012

BRIDGE SHEET 12 OF 17

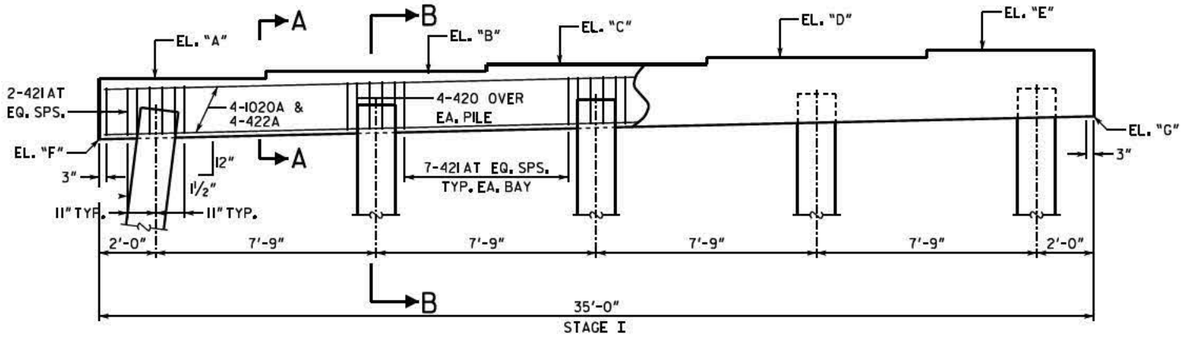
DESIGNED SLW | DRAWN SLW | CHECKED DLW | DESIGN GROUP DLW | REVIEWED DLC/SKG | APPROVED WMD

DATE | REVISIONS | BY

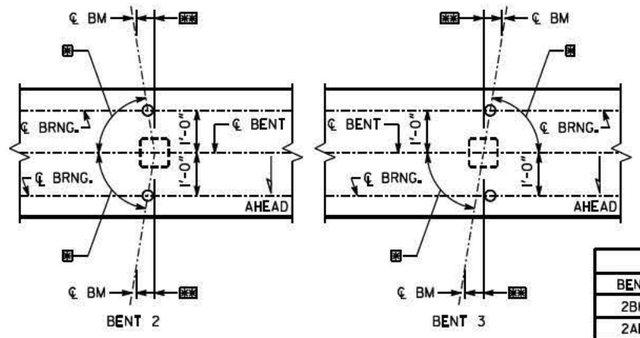


PLAN

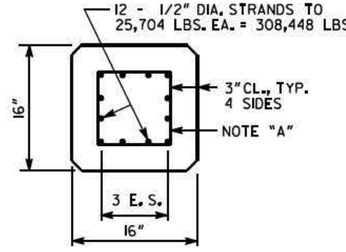
- DIRECTION OF 1½:12 BATTER



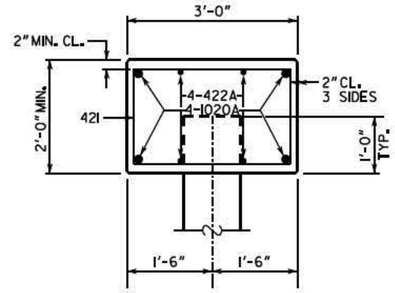
ELEVATION
(LOOKING AHEAD)



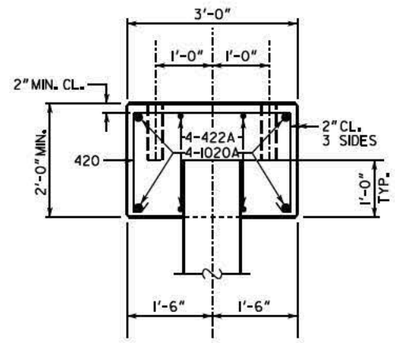
DETAIL "C"
NO SCALE
BEAM ANGLE IS EXAGGERATED



16"X 16" STAINLESS STEEL PILE CROSS SECTION
NO SCALE
E.S. = EQUAL SPACES
NOTE "A": NO. 5 BIRMINGHAM GAGE WIRE SPIRAL



SECTION A-A
SCALE: ¾"= 1'-0"



SECTION B-B
SCALE: ¾"= 1'-0"

TABLE OF ELEVATIONS							
	A	B	C	D	E	F	G
BENT 2	15.55	15.74	15.90	16.05	16.21	13.42	14.17
BENT 3	15.57	15.77	16.92	16.08	16.23	13.44	14.21

SUBSTRUCTURE QUANTITIES - STAGE I		
ITEM	BENT 2	BENT 3
CY CLASS "A" CONCRETE	8.2	8.2
LB BAR REINFORCEMENT STEEL	981	981

BEAM ANGLES		
BENT	▯	▯▯
2BK	89°-52'-43.0", TYP.	1/16"
2AH	89°-51'-48.4", TYP.	1/16"
3BK	89°-51'-48.4", TYP.	1/16"
3AH	89°-36'-19.7", TYP.	1/8"

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 226 KIPS.

ALL PILES SHALL BE 16 IN. SQ. PSC

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 376 KIPS AFTER A MINIMUM TIP OF -20 (BENT 2) AND -31 (BENT 3) IS ACHIEVED.

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENTS 2 AND 3 - STAGE I
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

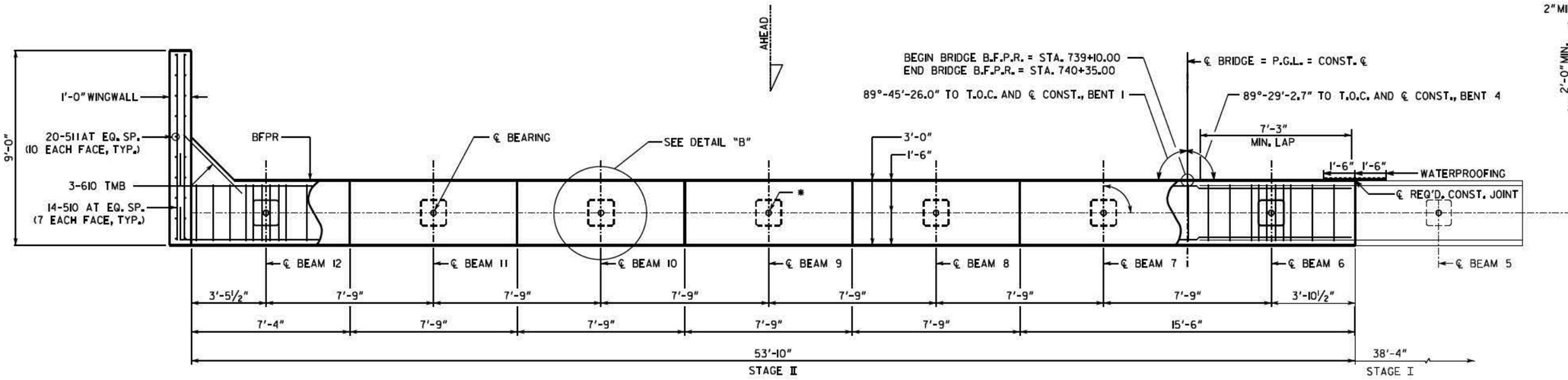
DRAWING NO. 35-0013
BRIDGE SHEET 13 OF 17

REVISIONS | DATE | BY

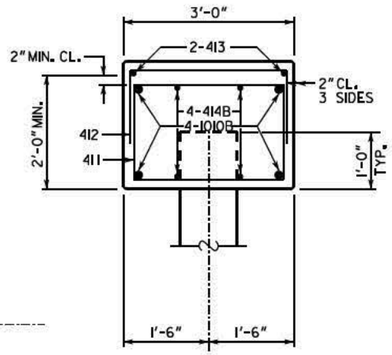
SCALE: ⅜"= 1'-0" (UNLESS OTHERWISE NOTED) FEBRUARY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

GDOT | PJ. NO. 532650-

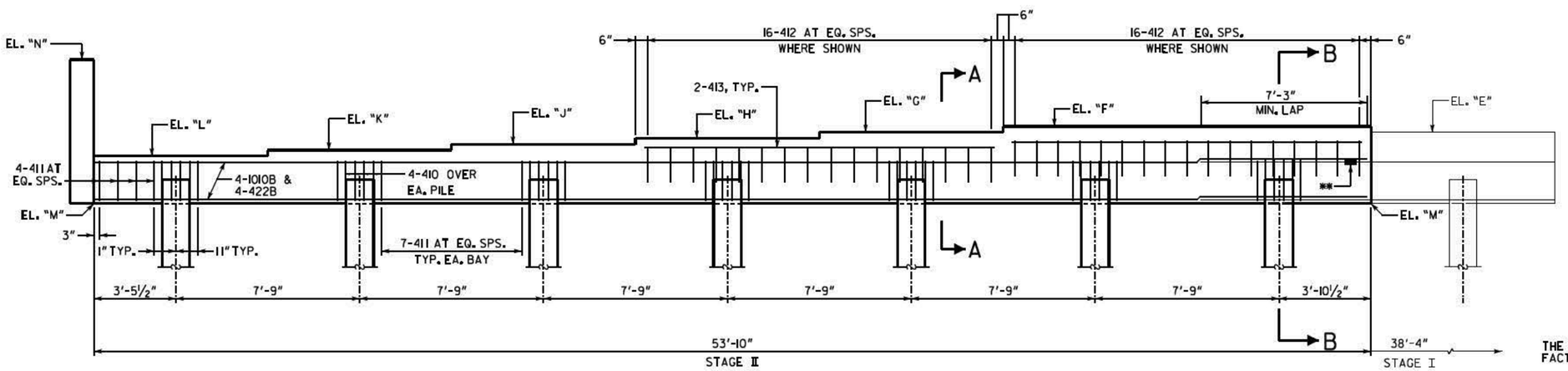


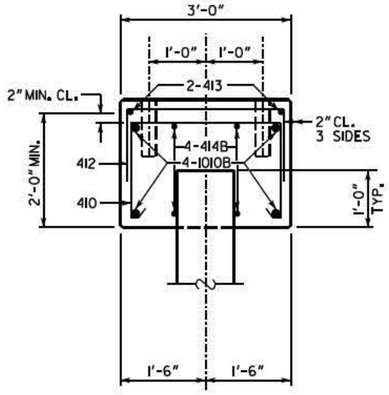
PLAN



SECTION A-A

SCALE: ¾" = 1'-0"





SECTION B-B

SCALE: ¾" = 1'-0"

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 156 KIPS.

ALL PILES SHALL BE 14 IN. SQ. PSC

PLAN DRIVING OBJECTIVE

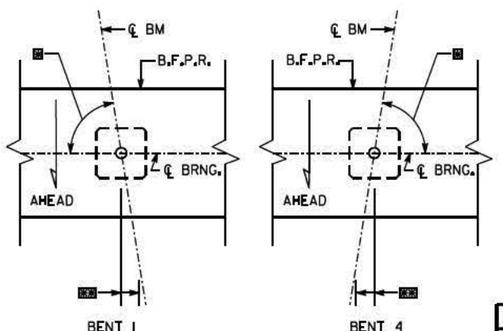
ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 239 KIPS AFTER A MINIMUM TIP ELEVATION OF -22 (BENT 1) AND -24 (BENT 4) IS ACHIEVED.

NOTES:

1. MAINTAIN 2" CL. ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
2. SEE GA. STD. 9037 FOR DRAINAGE DETAILS AT END BENTS.
3. POUR WINGWALLS MONOLITHICALLY WITH CAP.
4. WINGWALL PILES NOT SHOWN.
5. BOTTOM OF WINGWALLS LEVEL.
6. PROVIDE 3-PLY WATERPROOFING 1'-6" ON EACH SIDE OF CONSTRUCTION JOINT.

* FORM 3" DIA. X 12" DEEP HOLE FOR DOWEL BAR, TYP.

** MECHANICAL SPLICE SEE SPECIAL PROVISION 511.



DETAIL "B"

NO SCALE

BEAM ANGLE IS EXAGGERATED

ELEVATION

(LOOKING BACK BENT 1)
(LOOKING AHEAD BENT 4)

BEAM ANGLES		
BENT	▣	▣▣
1	89°-52'-43.0", TYP.	1/16"
4	89°-36'-19.7", TYP.	1/8"

TABLE OF ELEVATIONS								
	F	G	H	J	K	L	M	N
BENT 1	16.26	16.10	15.95	15.79	15.64	15.44	13.44	19.66
BENT 4	16.33	16.17	16.02	15.86	15.71	15.51	13.51	19.73

SUBSTRUCTURE QUANTITIES - STAGE II		
ITEM	BENT 1	BENT 4
CY CLASS "AA" CONCRETE	17.8	17.8
LB BAR REINFORCEMENT STEEL	1989	1989

DRAWING NO. 35-0014

BRIDGE SHEET 14 OF 17

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

END BENTS 1 AND 4 - STAGE II

SR 25 (US 17) OVER WALLYLEG BRANCH

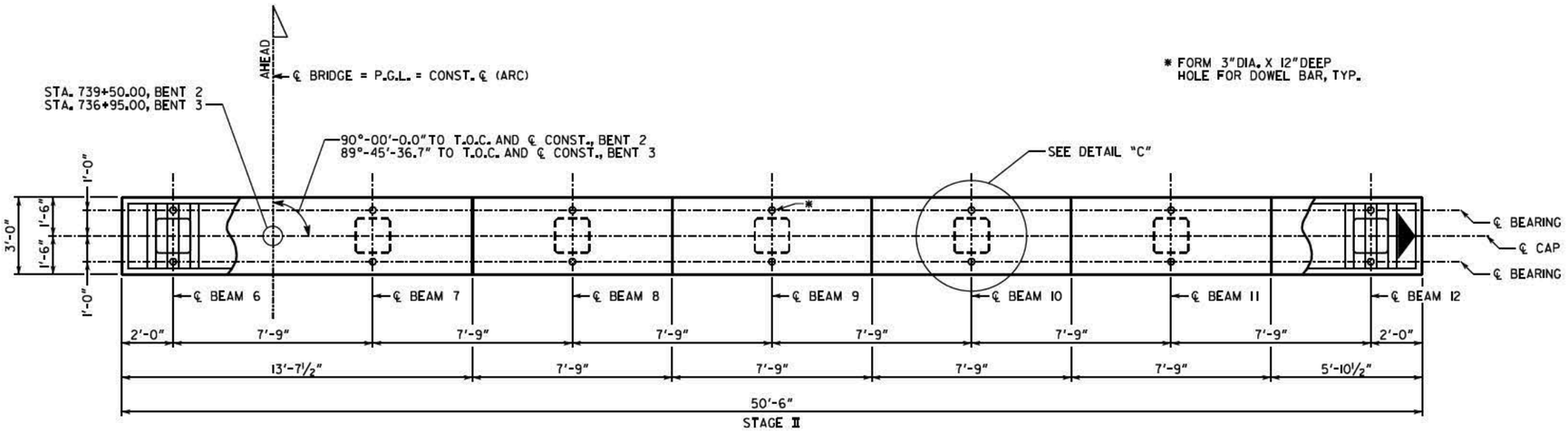
GLYNN COUNTY STP00-0009-02(092)

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) FEBRUARY 2017

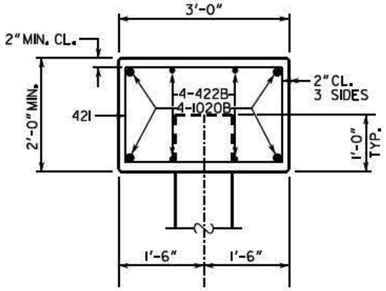
DESIGNED SLW	CHECKED DLW	REVIEWED DLC/SKG
DRAWN SLW	DESIGN GROUP DLW	APPROVED WMD

REVISIONS — DATE — BY

PJ. NO. 532650-



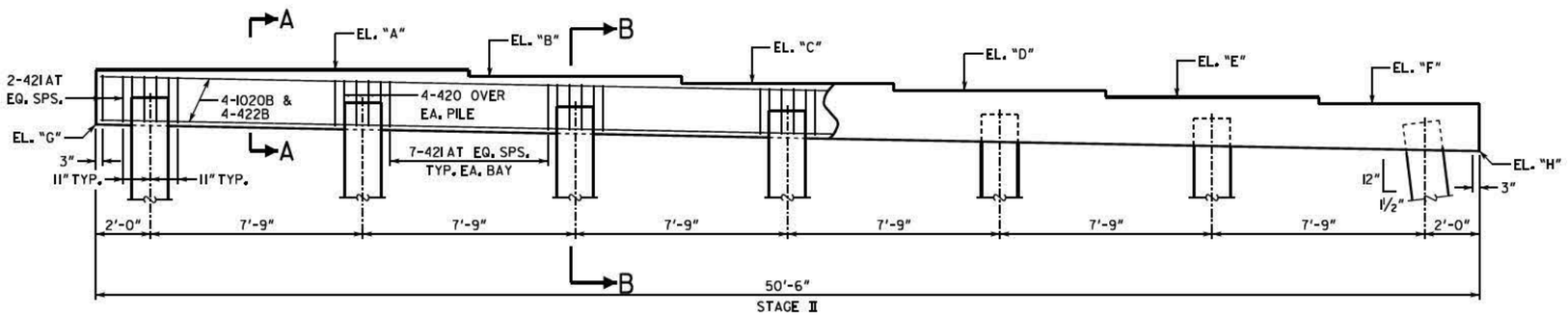
PLAN



SECTION A-A

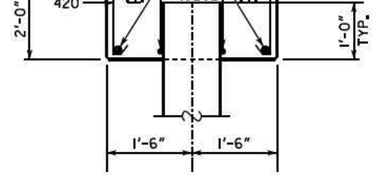
SCALE: ¾" = 1'-0"

▶ - DIRECTION OF 1½:12 BATTER



ELEVATION

BENT 2



SECTION B-B

SCALE: ¾" = 1'-0"

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED LOAD OF 226 KIPS.

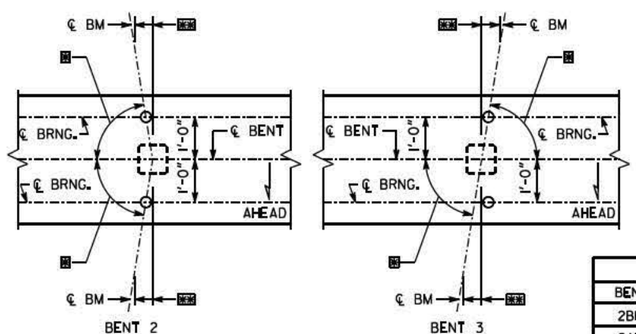
ALL PILES SHALL BE 16 IN. SQ. PSC

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A RESISTANCE OF 376 KIPS AFTER A MINIMUM TIP OF -20 (BENT 2) AND -31 (BENT 3) IS ACHIEVED.

TABLE OF ELEVATIONS								
	A	B	C	D	E	F	G	H
BENT 2	16.36	16.21	16.05	15.90	15.74	15.55	14.32	13.45
BENT 3	16.39	16.23	16.08	15.92	15.77	15.57	14.35	13.47

SUBSTRUCTURE QUANTITIES - STAGE II		
ITEM	BENT 2	BENT 3
CY CLASS "AA" CONCRETE	11.5	11.5
LB BAR REINFORCEMENT STEEL	1413	1413



DETAIL "C"

NO SCALE

BEAM ANGLE IS EXAGGERATED

BEAM ANGLES		
BENT	▣	▣▣
2BK	89°-52'-43.0", TYP.	1/16"
2AH	89°-51'-48.4", TYP.	1/16"
3BK	89°-51'-48.4", TYP.	1/16"
3AH	89°-36'-19.7", TYP.	1/8"

BRIDGE NO. 1

GEORGIA

DEPARTMENT OF TRANSPORTATION

ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENTS 2 AND 3 - STAGE II

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

SCALE: ⅜" = 1'-0" (UNLESS OTHERWISE NOTED) FEBRUARY 2017

DRAWING NO. 35-0015

BRIDGE SHEET 15 OF 17

DESIGNED SLW DRAWN SLW CHECKED DLW DESIGN GROUP DLW REVIEWED DLC/SKG APPROVED WMD

DATE | REVISIONS | BY

GDOT | P.I. NO. 532650-

AS BUILT FOUNDATION INFORMATION STAGE 1		
BENT NO.	PILE LOCATION	PILE TIP ELEVATION
1	BEAM 1	
	BEAM 2	
	BEAM 3	
	BEAM 4	
	BEAM 5	
2	BEAM 1	
	BEAM 2	
	BEAM 3	
	BEAM 4	
	BEAM 5	
3	BEAM 1	
	BEAM 2	
	BEAM 3	
	BEAM 4	
	BEAM 5	
4	BEAM 1	
	BEAM 2	
	BEAM 3	
	BEAM 4	
	BEAM 5	

AS BUILT FOUNDATION INFORMATION STAGE 2		
BENT NO.	PILE LOCATION	PILE TIP ELEVATION
1	BEAM 6	
	BEAM 7	
	BEAM 8	
	BEAM 9	
	BEAM 10	
	BEAM 11	
	BEAM 12	
2	BEAM 6	
	BEAM 7	
	BEAM 8	
	BEAM 9	
	BEAM 10	
	BEAM 11	
	BEAM 12	
3	BEAM 6	
	BEAM 7	
	BEAM 8	
	BEAM 9	
	BEAM 10	
	BEAM 11	
	BEAM 12	
4	BEAM 6	
	BEAM 7	
	BEAM 8	
	BEAM 9	
	BEAM 10	
	BEAM 11	
	BEAM 12	

THIS SHEET IS TO BE FILLED IN BY THE PROJECT ENGINEER AND THE ENTIRE SHEET FORWARDED TO THE BRIDGE OFFICE UPON COMPLETION OF PILE DRIVING FOR POSTING TO THE PLANS AS A PERMANENT RECORD OF THE BRIDGE CONSTRUCTION.

PROJECT ENGINEER DATE

( )
(AREA CODE) TELEPHONE NUMBER

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

AS BUILT FOUNDATION SHEET
SR 25 (US 17) OVER WALLYLEG BRANCH
GLYNN COUNTY STP00-0009-02(092)

NO SCALE MAY 2017

DESIGNED SLW | CHECKED DLW | REVIEWED DLC/SKG
DRAWN SLW | DESIGN GROUP DLW | APPROVED WMD

DRAWING NO. 35-0016
BRIDGE SHEET 16 OF 17

DATE | REVISIONS | BY

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	AG	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SPAN 1 OR 3	02							SUPERSTRUCTURE STAGE I																	
		400A	39- 8		80	1																			
		404A	37- 6		3	1																			
		405	5- 2		32	31	4 4	0- 9		1- 9 7/8		1- 9 7/8													
		500A	37-10		75	3		37- 0		0-10															
		500C	7- 6		75	3		6- 7 1/2		0-10															
		501A	37- 1		54	1																			
		502A	18- 1		24	1																			
		503A	8-11		42	23		1- 2 7/8		3- 10		3- 10												101	
		503B	7- 0		42	23		0- 6		3- 3		3- 3												79	
		504	5- 0		25	46		2- 0		1-10		0- 3		0- 8		0- 8									
		505	36- 2		1	1																			
		506A	3- 3		51	7		1- 3		1- 0		1- 0												135	45
		506B	4- 3		48	3		2- 9		1- 6															
		507A	34- 5		1	1																			
		508	6- 5		4	1																			
		600	10- 0		53	1																			
		800A	38- 5		2	1																			
		801A	36- 5		1	1																			
		802	6- 9		4	1																			
		900A	11- 3		9	16	6 6	3- 6		0- 7 1/2		0- 7 1/2		3- 0		3- 0									
		900B	5- 3		3	34	6	1- 4		0- 7 1/2		3- 0		0- 7 1/2											
		900C	7- 9		3	34	6	3-10		0- 7 1/2		3- 0		0- 7 1/2											
SPAN 2	01							SUPERSTRUCTURE STAGE I																	
		400B	44- 8		80	1																			
		405	5- 2		64																				
		406	4-11		28	25	4 4	0- 7		1- 6															
		407	6- 9		8	1																			
		500A	37-10		84																				
		500C	7- 6		84																				
		501A	37- 1		61																				
		502B	14- 7		24	1																			
		503A	8-11		51																				
		503B	7- 0		51																				
		506A	3- 3		48																				
		507A	34- 5		2																				
		508	6- 5		8																				
		509	6- 3		16	1																			
		800A	38- 5		4																				
		801A	36- 5		2																				
		802	6- 9		8																				
SPAN 1 OR 3	02							SUPERSTRUCTURE STAGE II																	
		400A	39- 8		147																				
		402	14-10		41	1																			
		403	0- 8		44	1																			
		404B	57- 2		3	1																			
		405	5- 2		56																				
		500B	57- 0		75	3		56- 2		0-10															
		500C	7- 6		75																				
		501B	56- 4		54	1																			
		502A	18- 1		24																				
		503A	8-11		42																				
		503B	7- 0		42																				
		504	5- 0		42																				
		505	55- 6		1	1																			

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	AG	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SPAN 1 OR 3	02							SUPERSTRUCTURE STAGE II CONT'D																	
		506A	3- 3		87																				
		506B	4- 3		76																				
		507B	53- 8		1	1																			
		508	6- 5		7																				
		600	10- 0		87																				
		800B	55- 8		2	1																			
		801B	53- 8		1	1																			
		802	6- 9		7																				
		900A	11- 3		18																				
		900B	5- 3		3																				
		900C	7- 9		3																				
SPAN 2	01							SUPERSTRUCTURE STAGE II																	
		400B	44- 8		147																				
		402	14-10		46																				
		403	0- 8		52																				
		405	5- 2		112																				
		406	4-11		42																				
		407	6- 9		12																				
		500B	57- 0		84																				
		500C	7- 6		84																				
		501B	56- 4		61																				
		502B	14- 7		24																				
		503A	8-11		48																				
		503B	7- 0		48																				
		506A	3- 3		84																				
		507B	53- 8		2																				
		508	6- 5		14																				
		509	6- 3		24																				
		800B	55- 8		4																				
		801B	53- 8		2																				
		802	6- 9		14																				
		900A	11- 3		9																				
		900B	5- 3		3																				
		900C	7- 9		3																				
END BENT 1 OR 4	02							SUBSTRUCTURE STAGE I																	
		410	6- 9		20	32	5 5	2- 8		1- 8		1- 8													
		411	9- 5		36	25	4 4	2- 8		1- 8															
		412	5- 8		16	2		2- 8		1- 6		1- 6													
		413	14- 6		2	1																			
		414A	48- 3		4	3		46- 3		2- 0															
		510	8- 8		14	1																			
		511	5-10		20	1																			
		610	5- 3		3	1																			
		1010A	48- 3		4	3		46- 3		2- 0															
INT BENT 2 OR 3	02							SUBSTRUCTURE STAGE I																	
		420	6- 9		20	32	5 5	2- 8		1- 8		1- 8													
		421	9- 5		32	25	4 4	2- 8		1- 8															
		422A	34- 8		4	1																			
		1020A	34- 8		4	1																			
END BENT 1 OR 4	02							SUBSTRUCTURE STAGE II																	
		410	6- 9		28																				
		411	9- 5		50																				
		412	5- 8		32																				

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	AG	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
END BENT 1 OR 4	02							SUBSTRUCTURE STAGE II CONT'D																	
		413	14- 6		4	3		54- 2		2- 0															
		414B	56- 2		4	3																			
		510	8- 8		14																				
		511	5-10		20																				
		610	5- 3		3																				
		1010B	56- 2		4	3		54- 2		2- 0															
INT BENT 2 OR 3	02							SUBSTRUCTURE STAGE II																	
		420	6- 9		28	32	5 5	2- 8		1- 8		1- 8													
		421	9- 5		46	25	4 4	2- 8		1- 8															
		422B	50- 2		4	1																			
		1020B	50- 2		4	1																			

BRIDGE NO. 1

DRAWING NO. 35-0017

BRIDGE SHEET 17 OF 17

GDOT

P.I. NO. 532650-

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BAR REINFORCING SCHEDULE

SR 25 (US 17) OVER WALLYLEG BRANCH

GLYNN COUNTY STP00-0009-02(092)

NO SCALE MAY 2017

DESIGNED SLW CHECKED DLW REVIEWED DLC/SKG

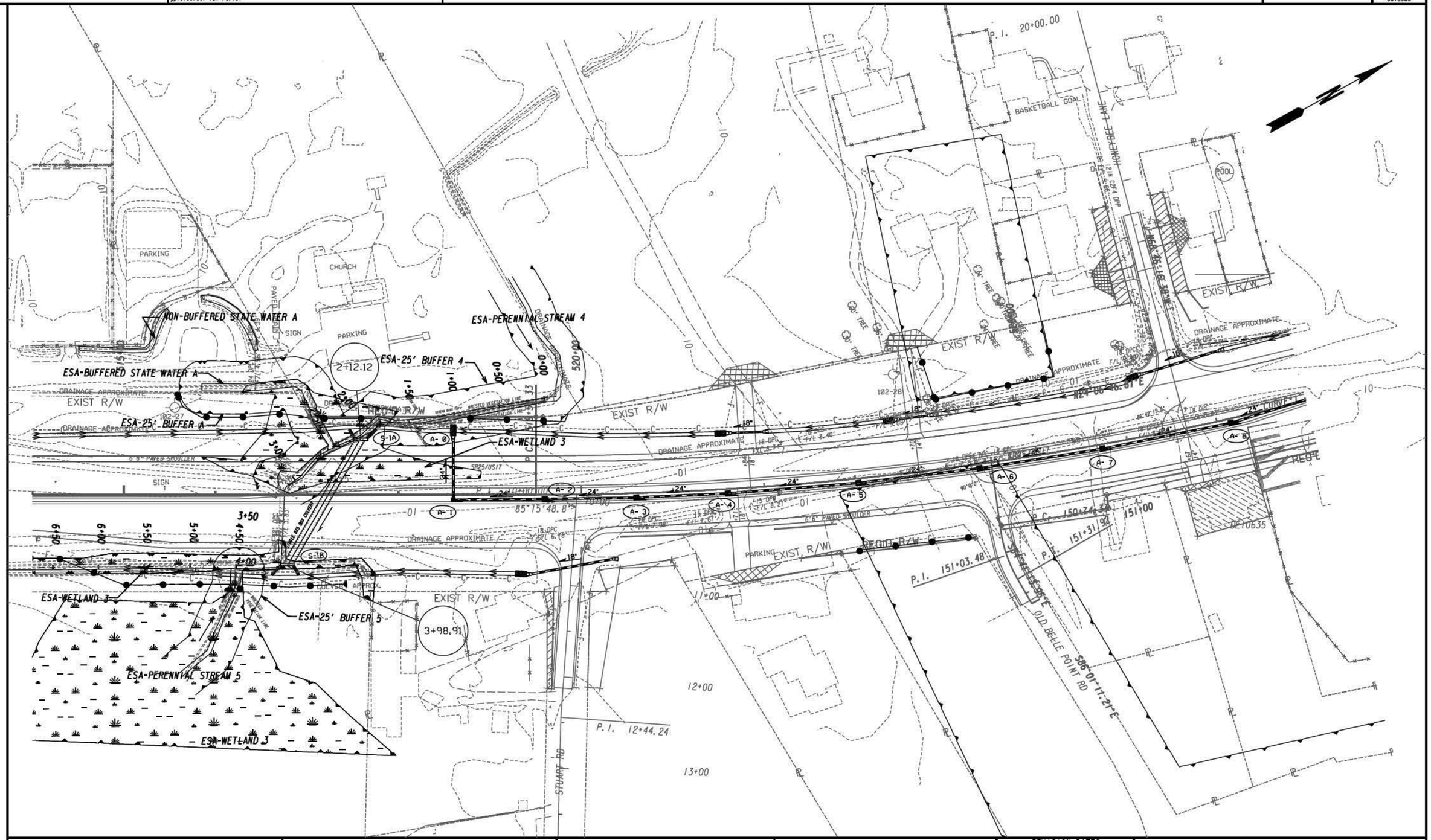
DRAWN SLW DESIGN GROUP DLW APPROVED WMD

DATE

REVISIONS

BY

6/14/2021	10:26:48 AM	GPLOT-V8	0016985_39-0001.dgn	GDOT	P.I. No.
01006507		gplotborder-V81-P0.tbl			0016985



		GDOT	REVISION DATES	SPECIAL CULVERTS
		ROADWAY DESIGN	SCALE IN FEET 0 50 100 200	PERENNIAL STREAM #4

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		39-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

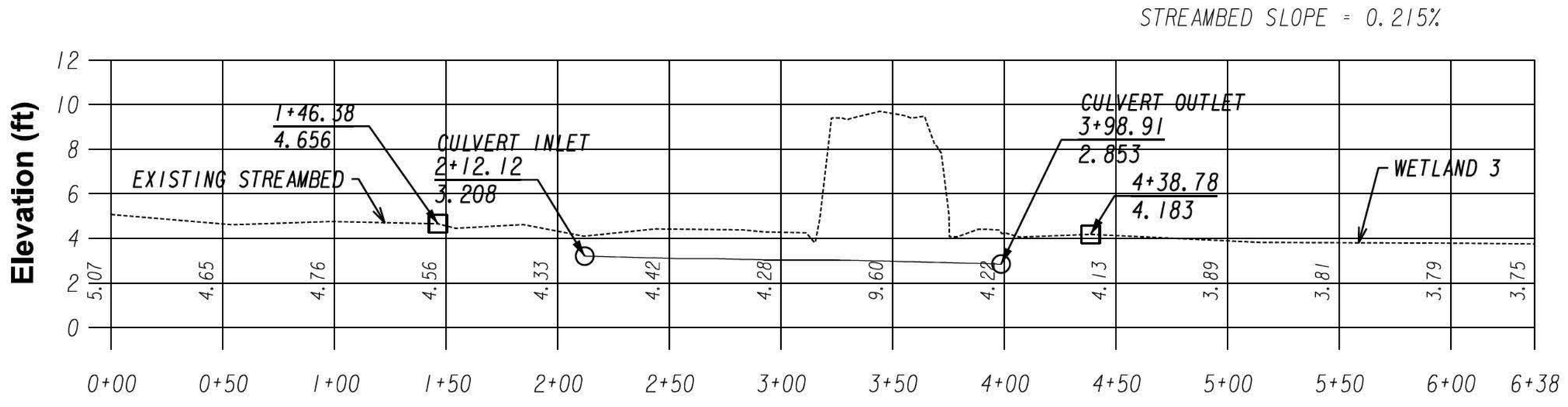
10/23/2015 GPLH

NOTE:
THE PROFILE REPRESENTS THE EXISTING STREAM ALIGNMENT
THROUGH AN EXISTING DOUBLE BARREL 32" CIRCULAR PIPE CULVERT.
□ - REPRESENTATIVE CROSS SECTION LOCATIONS.

○ - CROSS SECTION STATION
THE PERENNIAL STREAM #4 CROSSING IS A REALIGNED CULVERT REPLACEMENT.

THE PROPOSED STREAM ALIGNMENT THROUGH STREAM STATION 2+12 TO 3+97
IS NOT THE SAME AS THE EXISTING ALIGNMENT.

CROSS SECTIONS ARE CUT PERPENDICULAR TO THE EXISTING STREAM ALIGNMENT.
THE CULVERT EXTENTS REPRESENTED IN THE CROSS SECTIONS ARE THE
ACTUAL CULVERT LOCATION AND A PROJECTION FURTHER INTO THE CULVERT AS
TO SHOW THE FULL EXTENT OF THE CULVERT BARREL.



ROADWAY DESIGN

HORIZONTAL SCALE IN FEET
0 25 50 100

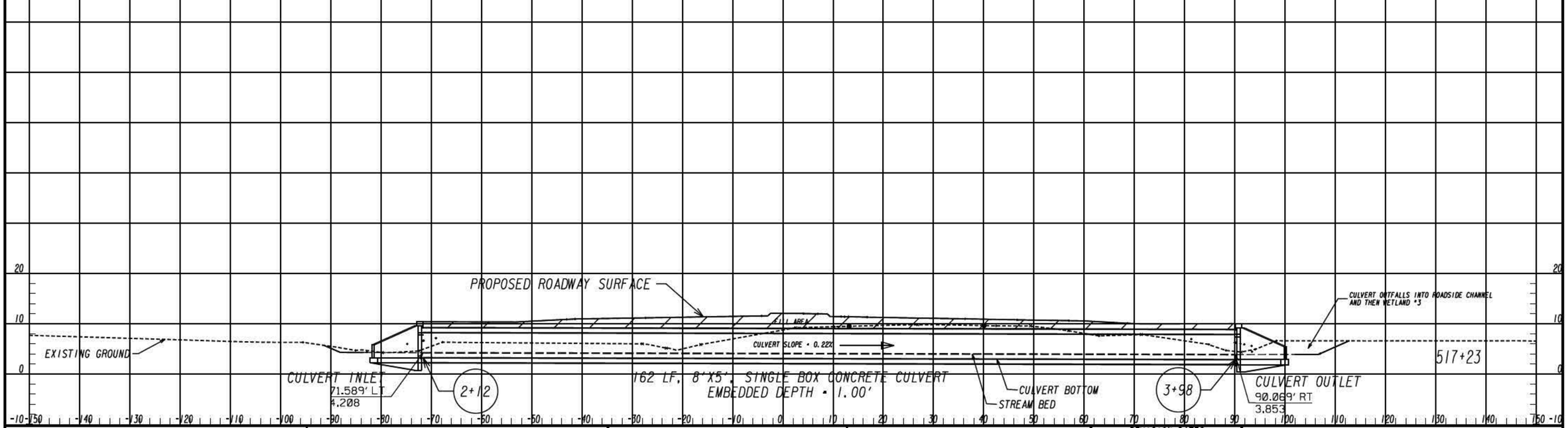
VERTICAL SCALE IN FEET
0 5 10

REVISION DATES

SPECIAL CULVERTS
EXISTING STREAM PROFILE
PERENNIAL STREAM #4

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		39-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



ROADWAY DESIGN

REVISION DATES

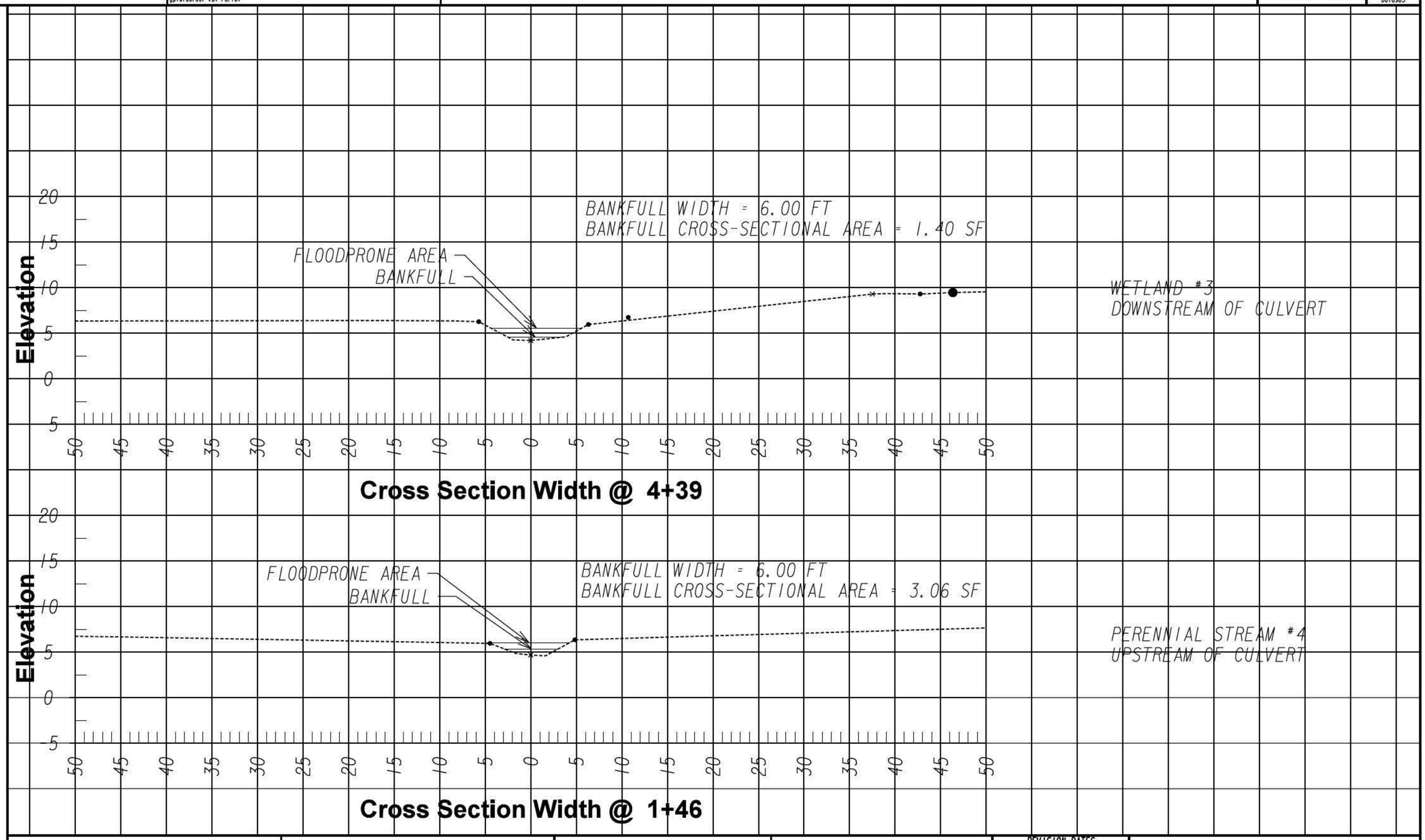
SPECIAL CULVERTS

PROPOSED CULVERT PROFILE

PERENNIAL STREAM *4

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	39-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

11/8/2018 SUYSEW



Cross Section Width @ 4+39

Cross Section Width @ 1+46

GDOT

ROADWAY DESIGN

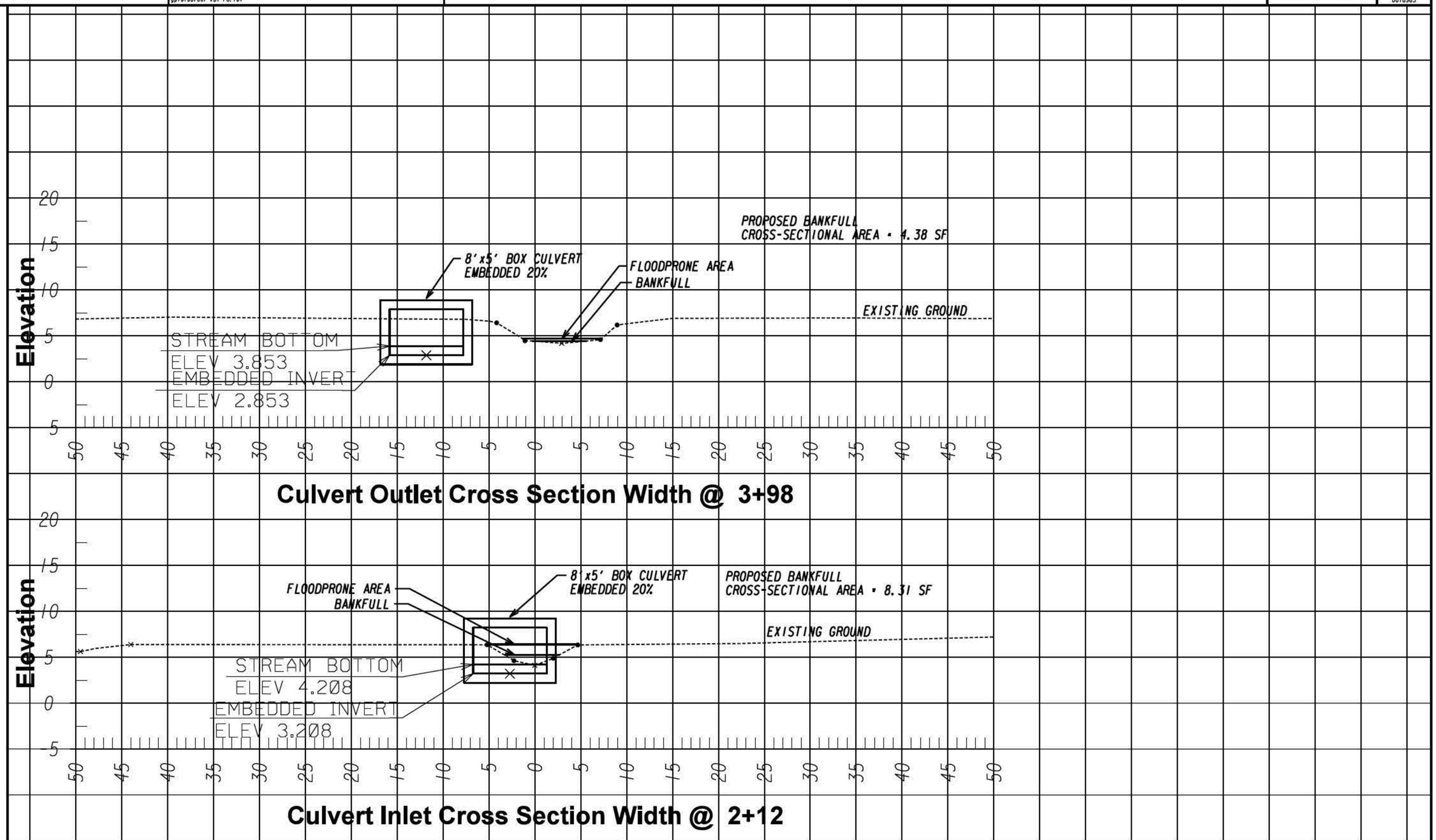
SCALE IN FEET
0 5 10 20

REVISION DATES

REPRESENTATIVE CROSS-SECTION
PERENNIAL STREAM #4 AND WETLAND #3

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	39-0004
VERIFIED:		DATE:	

7/31/2015 SUYSEW



Culvert Outlet Cross Section Width @ 3+98

Culvert Inlet Cross Section Width @ 2+12

GDOT

ROADWAY DESIGN

SCALE IN FEET
0 5 10 20

REVISION DATES

PROPOSED CROSS-SECTION
PERENNIAL STREAM #4

CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	39-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

7/31/2015 SUYSEW