

RFQ 484-03302018DB
DESIGN & CONSTRUCT

I-20 AT SAVANNAH RIVER



Bridge Replacements &
Roadway Widening Project
Through a Design-Build
Agreement

PI. No. 210327- Richmond County, GA
& Aiken County, SC

TECHNICAL PROPOSAL APPENDIX SCHEMATIC DRAWINGS & PROPOSAL SCHEDULE



SCHEMATIC DRAWINGS

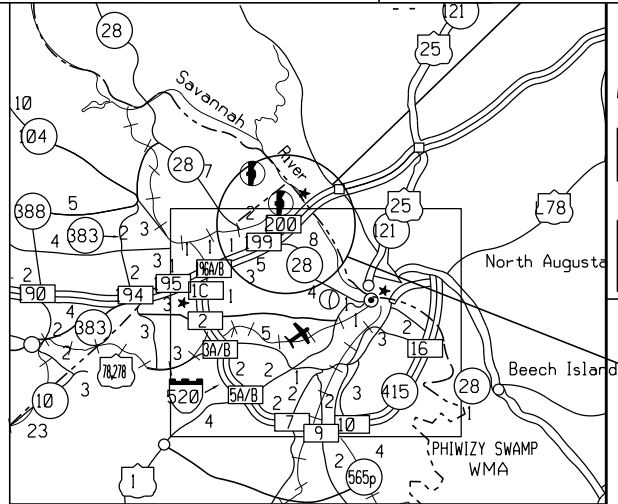
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER RICHMOND AND AIKEN COUNTIES

FEDERAL AID PROJECT

IM000-0020-02(117)

FEDERAL ROUTE • I-20
STATE ROUTE • 402
P.J. NO. 210327



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 73,500 (2022)
TRAFFIC A.D.T.: 93,300 (2042)
TRAFFIC D.H.V.: 4935 (2042)
DIRECTIONAL DIST.: 50%
% TRUCKS: 10.5%
24 HR. TRUCKS %: 14.5%
SPEED DESIGN: 65 MPH GA.
SPEED DESIGN: 70 MPH S.C.

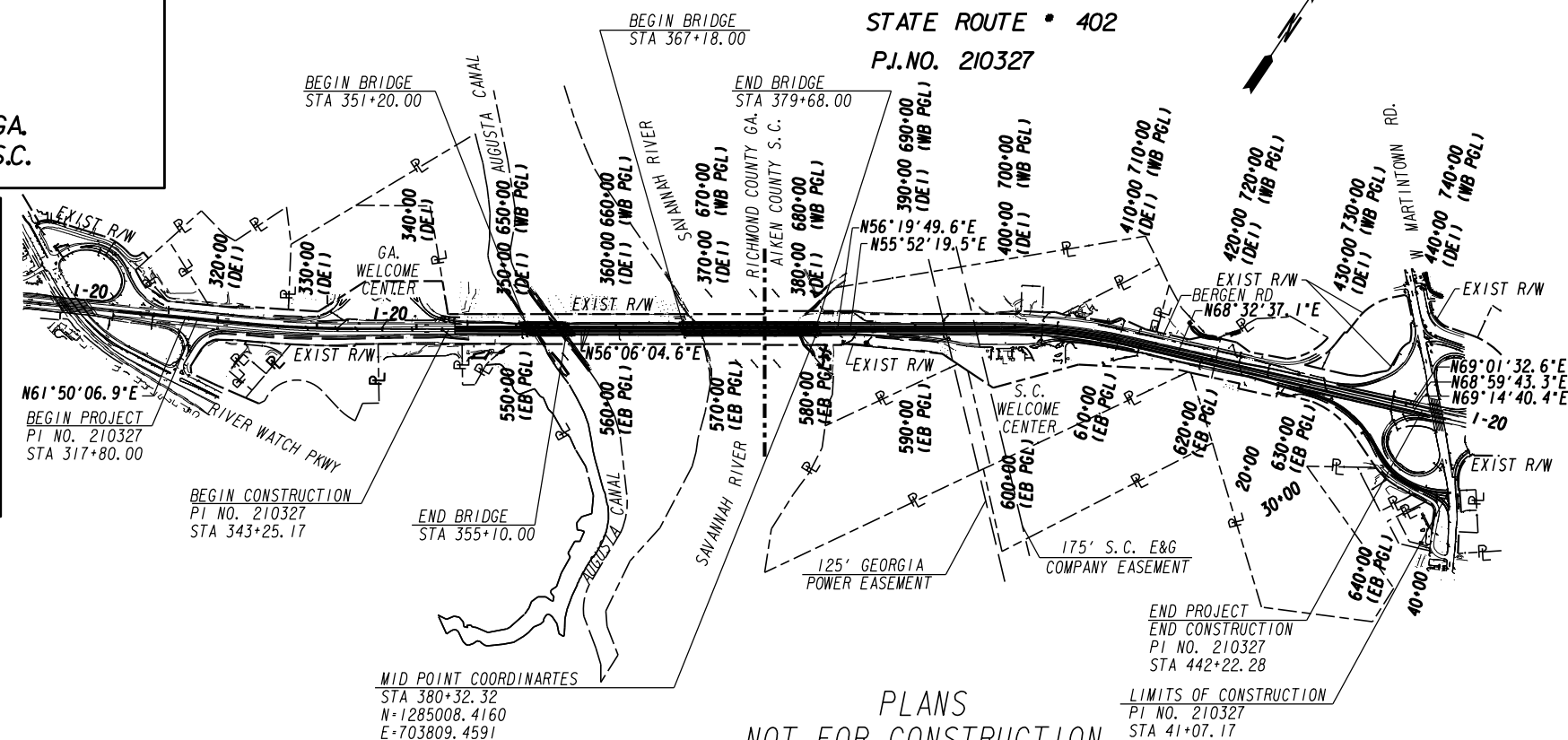
LOCATION & DESIGN APPROVAL DATE:

FUNCTIONAL CLASS:
URBAN INTERSTATE PRINCIPAL ARTERIAL

THIS PROJECT IS 46% IN RICHMOND COUNTY GA. IS 46% IN CONG. DIST. NO. 12. IS 54% IN AIKEN COUNTY S.C. IS 54% IN CONG. DIST. NO. 2.

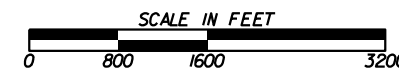
PROJECT DESIGNATION: PoDI

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.



PLANS
NOT FOR CONSTRUCTION

LENGTH OF PROJECT	RICHMOND COUNTY No. 245	AIKEN COUNTY No. 003
	Project No. 210327-	Project No. 210327-
NET LENGTH OF ROADWAY	0.855	1.178
NET LENGTH OF BRIDGES	0.226	0.097
NET LENGTH OF PROJECT	0.855	1.178
NET LENGTH OF EXCEPTIONS	0.000	0.000
GROSS LENGTH OF PROJECT	0.855	1.178



DRAWING NO. 01-0001
COVER

DATE	
REVISIONS	
BY	

PROJECT P.I. NO. 210327

JOHNSON BROS. CORPORATION

FIGG

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

COVER

RICHMOND COUNTY IM-000-0020-02(117)

SCALE: SEPTEMBER 2018

DESIGNED CF	CHECKED JMW	REVIEWED
DRAWN TER	DESIGN GROUP	APPROVED



PRELIMINARY NOT FOR CONSTRUCTION

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9/25/2018

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		

DRAWING NO.	DESCRIPTION
01-0001	COVER SHEET
02-0001	INDEX
04-0001 TO 04-0003	GENERAL NOTES
05-0001 TO 05-0003	TYPICAL SECTIONS
11-0001 TO 11-0003	CONSTRUCTION LAYOUT
13-0001 TO 13-0013	CONSTRUCTION PLANS
13-0007A TO 13-0011A	DRAINAGE PLANS
15-0001 TO 15-0008	MAINLINE PROFILES
19-0001 TO 19-0028	MOT/STAGING PLAN SHEETS
27-0001	SIGNAL PLANS
35-0001 TO 35-0014	BRIDGE PLANS



PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

 JOHNSON BROS. CORPORATION	 FIGG
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES	
INDEX RICHMOND COUNTY IM-000-0020-02(II7)	
SCALE: SEPTEMBER 2018	
DESIGNED CF	CHECKED JMW
DRAWN TER	DESIGN GROUP
	REVIEWED
	APPROVED

DRAWING NO.	
02-0001	
INDEX	

DATE	REVISIONS

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9/25/2018



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		

Environmental Resources Impact Table

These resources and the restrictions listed are governed by state and federal law.

Resource Name (from Section A of the ECT)	Location			Permitted Construction Activity (from Section A of the ECT)	Special Provision? (from Section B of the ECT)	Comments (from Section C of the ECT, comments only)
	Beginning STA	Ending STA	Side			
Open Water 1	346+01.86	347+26.70	RT	No activity	NA	
Open Water 1 Buffer	345+72.19	347+57.89	RT	No activity	NA	
Canal 2 (Augusta Canal)	349+71.28	357+34.52	both	1.03 acres of temporary cofferdam impoundment and 0.03 acres of permanent fill impact	Yes (107.23H)	No permanent piers shall be located within 35 feet of the Augusta Canal centerline. The minimum span over the Augusta Canal's channel shall be 90 feet to allow for continued boat passage. Complete drainage of the water in the Augusta Canal for construction shall not be allowed. No blasting shall be allowed in the Augusta Canal. During construction, debris curtains and/or netting shall be utilized under the bridges to catch falling debris.
Canal 2 Buffer	349+49.60	357+55.28	both	Exempted	NA	
Wetland 3	348+30.94	353+14.75	RT	No activity	NA	
Wetland 4	353+65.47	360+62.16	LT	No activity	NA	
Perennial Stream 5 (Savannah River)	366+84.87	379+84.86	both	202 linear feet (lf) (6.74 acre) of temporary cofferdam impoundment and 70 lf (0.26 acre of permanent fill impact	Yes (107.23H)	During construction, debris curtains and/or netting shall be utilized under the bridges to catch falling debris.
Perennial Stream 5 Buffer	378+32.77	369+17.36	both	Exempted	NA	
Perennial Stream 6 (Fox Creek)	378+60.27	379+47.25	LT	No activity	NA	
Wetland 7	378+98.65	380+58.52	LT	No activity	NA	
Wetland 8	380+17.77	381+93.43	RT	No activity	NA	
Wetland 9	384+98.53	385+90.29	RT	No activity	NA	
Intermittent Stream 10	385+90.29	386+86.00	RT	No activity	NA	
Wetland 11	393+11.61	393+97.82	LT	No activity	NA	
Intermittent Stream 12	403+26.38	404+59.13	LT	No activity	NA	
Intermittent Stream 13	406+26.35	408+26.61	RT	No activity	NA	
Wetland 14	408+26.61	410+41.04	RT	No activity	NA	
Perennial Stream 15	409+90.95	411+14.30	both	No activity	NA	
Perennial Stream 16 (Fox Creek)	417+35.50	422+16.04	LT	No activity	NA	
Intermittent Stream 17	420+08.91	420+46.14	both	No activity	NA	
Perennial Stream 18	421+08.81	426+95.97	both	No activity	NA	
Perennial Stream 19	423+98.23	424+25.51	RT	No activity	NA	
Intermittent Stream 20	426+95.97	434+83.63	RT	No activity	NA	
Intermittent Stream 21	447+95.54	448+20.37	LT	No activity	NA	
Wetland 22	Beyond Stationing	Beyond Stationing	RT	No activity	NA	
Intermittent Stream 23	Beyond Stationing	Beyond Stationing	RT	No activity	NA	
Intermittent Stream 24	Beyond Stationing	Beyond Stationing	both	No activity	NA	
Perennial Stream 25	Beyond Stationing	Beyond Stationing	LT	No activity	NA	
Perennial Stream 26 (Pole Branch)	Beyond Stationing	Beyond Stationing	both	No activity	NA	

PROJECT P.I. NO. 210327

			
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
GENERAL NOTES RICHMOND COUNTY IM-000-0020-02(117)			
DRAWING NO. 04-0001		SCALE: SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	APPROVED

REVISIONS	DATE

GENERAL NOTES	BY	
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1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

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Environmental Resources Impact Table

These resources and the restrictions listed are governed by state and federal law.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		

Resource Name (from Section A of the ECT)	Location			Permitted Construction Activity (from Section A of the ECT)	Special Provision? (from Section B of the ECT)	Comments (from Section C of the ECT, comments only)
	Beginning STA	Ending STA	Side			
Wetland 27	Beyond Stationing	Beyond Stationing	LT	No activity	NA	
Intermittent Stream 28	Beyond Stationing	Beyond Stationing	LT	No activity	NA	
Intermittent Stream 29	Beyond Stationing	Beyond Stationing	LT	No activity	NA	
Augusta Canal and Industrial District National Historic Landmark (NHL)/ESA—Resource 1	349+58.27	357+46.97	both	Bridge construction within boundary within existing I-20 right-of-way (ROW)	NA	No permanent piers shall be located within 35 feet of the Augusta Canal centerline. The minimum span over the Augusta Canal's channel shall be 90 feet to allow for continued boat passage. Bridge end slopes shall be located outside the Augusta Canal and Industrial District NHL. Orange barrier fencing (OBF) would be placed along the existing I-20 ROW line in the area of the Augusta Canal and Industrial District NHL to protect this area during construction. The OBF shall extend from each canal bank outward for approximately 100 feet. On the eastern bank, the OBF shall not cross over the Augusta Canal Towpath to allow continued access for Towpath users. Complete drainage of the water in the Augusta Canal for construction shall not be allowed. No blasting shall be allowed in the Augusta Canal. During construction, debris curtains and/or netting shall be utilized under the bridges to catch falling debris. No disruptions to the Augusta Canal Authority boat tours in the Augusta Canal shall be allowed.
Augusta Canal National Heritage Area (Including Augusta Canal Towpath)	346+82.71	369+39.64	both	Roadway widening and bridge construction within existing I-20 ROW	NA	An additional one foot of vertical clearance (for a minimum of 11 feet of clearance) shall be provided over the towpath (in the easternmost span of the Augusta Canal bridge) to provide improved access for Augusta Canal Authority maintenance vehicles under the bridge. OBF protecting the Augusta Canal and Industrial District NHL shall not cross over the Augusta Canal Towpath on the eastern canal bank to allow continued access for Towpath users. Restriction of recreational use (i.e., canoeing and kayaking) of the Augusta Canal under the I-20 bridges would be allowed during bridge demolition for public safety. This restriction would be limited to the immediate area of the I-20 bridges, and would be for a duration of up to 8 weeks. Any restriction of canal recreation use for bridge demolition would be limited to winter months only (December through March). No disruptions to the Augusta Canal Authority boat tours shall be allowed. Up to two temporary closures (of up to 8 weeks each) of the Augusta Canal Towpath would be allowed during construction. These temporary daytime Towpath closures would be restricted to occurring in winter months only (December through February), when the Towpath is less utilized. Prior to any closure of the Towpath or recreational use of the canal at the I-20 bridges, the Contractor shall work with the Augusta Canal Authority to conduct public outreach regarding the pending closure. During construction/demolition of the I-20 bridges, debris curtains and/or netting shall be utilized under the bridges to catch falling debris. In addition, a temporary safety canopy shall be constructed over the Augusta Canal Towpath in the vicinity of the construction zone to allow for safe passage of trail users under the bridges during the construction period.

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
GENERAL NOTES RICHMOND COUNTY IM-000-0020-02(II7)			
DRAWING NO. 04-0002		SCALE: SEPTEMBER 2018	
DESIGNED CF	CHECKED JMW	DESIGNED TER	REVIEWED APPROVED

DATE	
REVISIONS	
BY	

1/4" = 1" INCH WHEN PRINTED FULL SIZE

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9/25/2018

Environmental Resources Impact Table

These resources and the restrictions listed are governed by state and federal law.



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		

Resource Name (from Section A of the ECT)	Location			Permitted Construction Activity (from Section A of the ECT)	Special Provision? (from Section B of the ECT)	Comments (from Section C of the ECT, comments only)
	Beginning STA	Ending STA	Side			
Listed Species			both	Bridge construction, such that harm to listed species is avoided	SP 107.23.H	Within the I-20 ROW in South Carolina, signs shall be placed in locations designated on the signing and marking plans associated with the Costing Plans and in the Design-Build Contract that state: "No Spraying/No Clearing Year-Round." These signs shall be placed prior to the installation of OBF during construction and shall be permanent, permanent.
ESA	383+00	Beyond Stationing	RT	No activity	SP 107.23.H	
	380+00	Beyond Stationing	LT			
ESA—Resource 2	351+22.80	352+22.78	LT	No activity	NA	
ESA—Resource 3	360+95.78	361+95.78	RT	No activity	NA	OBF would be placed along the existing I-20 ROW line in the area of this resource to protect this area during construction.
Nationwide 15 and 23 404 Permits				Not acquired		
Buffer Variance				Not required		

If there are no resources, indicate "None" in the first row. Include this table in the General Notes section of the plans as always.
 ECT = Environmental Commitments Table, AKA "Green Sheet".

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

	
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES	
GENERAL NOTES RICHMOND COUNTY IM-000-0020-02(II7)	
SCALE: SEPTEMBER 2018	
DESIGNED CF	CHECKED JMW
DRAWN TER	DESIGN GROUP
REVIEWED	APPROVED

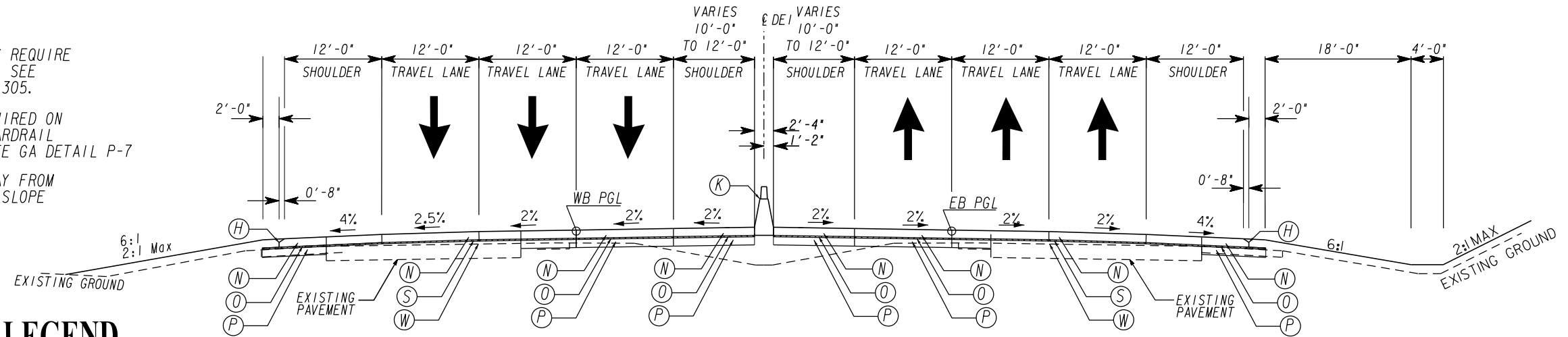
DRAWING NO. 04-0003	DATE				
GENERAL NOTES	BY				

1/4" INCH WHEN PRINTED FULL SIZE

STATUS SET - 9/25/2018

NOTES:

- INSIDE & OUTSIDE SHOULDERS REQUIRE INDENTATION RUMBLE STRIPS. SEE SCDOT SPECIAL DETAIL S501-305.
- SAFETY EDGE TREATMENT REQUIRED ON OUTSIDE SHOULDER WHERE GUARDRAIL OR BARRIER IS NOT USED. SEE GA DETAIL P-7
- SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND

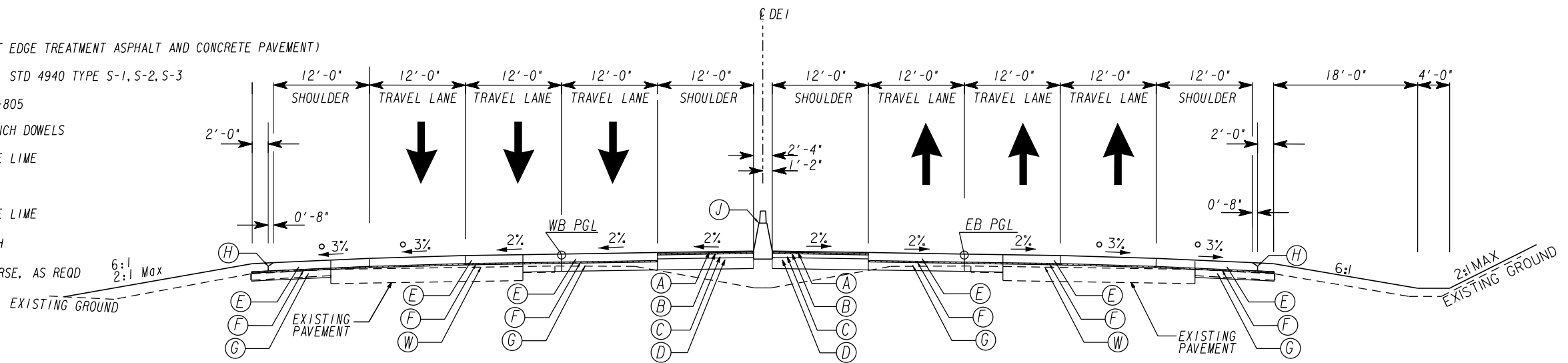


TYPICAL SECTION LEGEND

- (A) RECYCLED ASPH CONC 12.5MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220*/SY
- (B) RECYCLED ASPH CONC 19MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 220*/SY
- (C) RECYCLED ASPH CONC 25MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 770*/SY
- (D) GR AGGR BASE CRS, 16.0"
- (E) PLAIN PC CONC PVMT, CL 1 CONC, 12 INCH THK
- (F) ASPH CONC 19MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 330*/SY
- (G) GR AGGR BASE CRS, 12" INCL MATL
- (H) CONSTRUCTION DETAIL P7 (PAVEMENT EDGE TREATMENT ASPHALT AND CONCRETE PAVEMENT)
- (J) CONCRETE MEDIAN BARRIER, GA MOD. STD 4940 TYPE S-1, S-2, S-3
- (K) CONCRETE MEDIAN BARRIER, SC 805-805
- (N) 12 INCH PCC PAVEMENT WITH 1.5 INCH DOWELS
- (O) 175 HMA SURFACE TYPE C - INCLUDE LIME
- (P) 10 INCH GR AGGR BASE CRS,
- (S) 220 HMA SURFACE TYPE C - INCLUDE LIME
- (T) AGGREGATE SURFACE COURSE, 6 INCH
- (W) RECYCLED ASPH CONC LEVELING COURSE, AS REQD

TYPICAL SECTION NO. 2 TANGENT SECTION

STATE OF SC STA.379+66.00 TO STA.396+19.00 WB
STATE OF SC STA.379+66.00 TO STA.398+09.88 EB

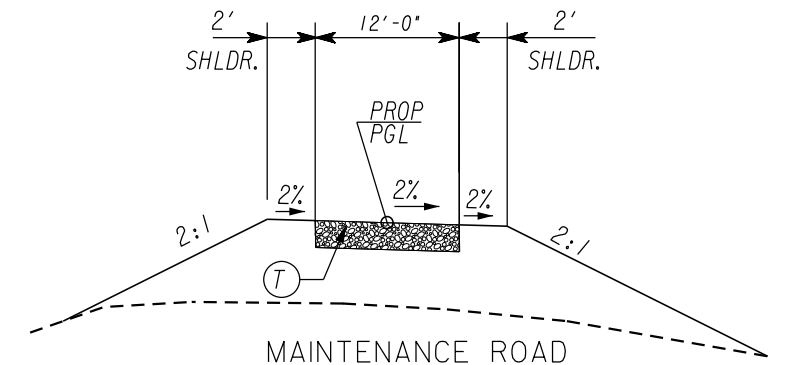


TYPICAL SECTION NO. 1 TANGENT SECTION

STATE OF GA STA.343+85.00 TO STA.367+20.00
SECTION EXCEPTION FOR BRIDGES FROM
STA.351+20.00 TO STA.355+10.00 (BRIDGE 1)
STA.367+18.00 TO STA.379+68.00 (BRIDGE 2)

NOTES:

- INSIDE & OUTSIDE SHOULDERS REQUIRE INDENTATION RUMBLE STRIPS. SEE GA DETAIL T-25.
 - SAFETY EDGE TREATMENT REQUIRED ON OUTSIDE SHOULDER WHERE GUARDRAIL OR BARRIER IS NOT USED. SEE GA DETAIL P-7
 - SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND
- o 3RD LANE AND SHOULDER TO SLOPE AT 2.0% ALONG PROPOSED BRIDGES



NOT TO SCALE

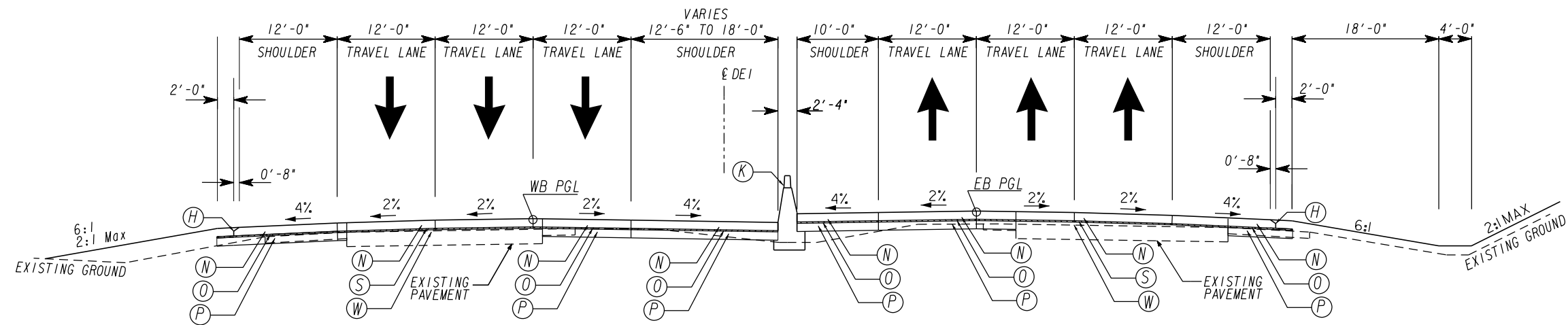
REVISION DATES

NO.	DATE	DESCRIPTION

TYPICAL SECTIONS

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



TYPICAL SECTION NO. 4 TANGENT SECTION

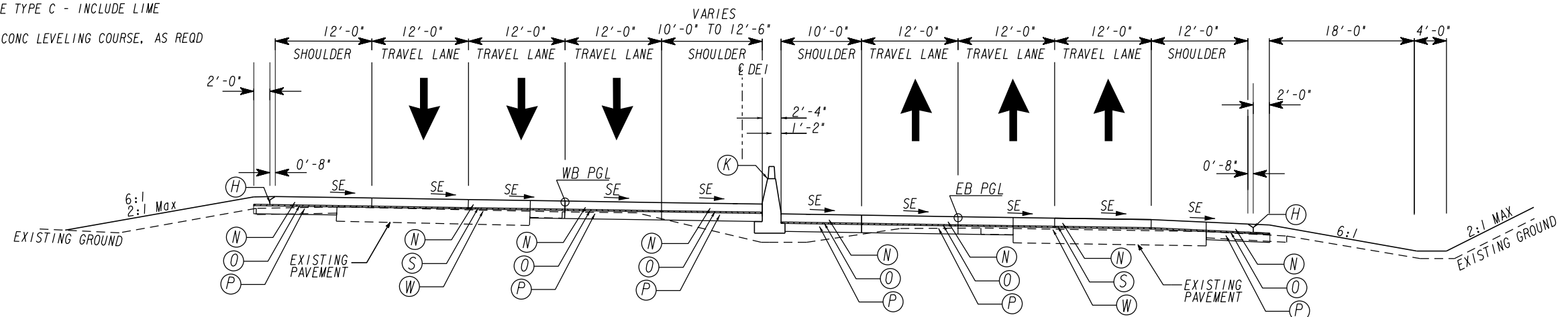
STATE OF SC STA. 413+45.63 TO 417+92.75 WB
STATE OF SC STA. 414+06.03 TO 417+92.75 EB

NOTES:

1. INSIDE & OUTSIDE SHOULDERS REQUIRE INDENTATION RUMBLE STRIPS. SEE SCDOT SPECIAL DETAIL S501-305.
2. SAFETY EDGE TREATMENT REQUIRED ON OUTSIDE SHOULDER WHERE GUARDRAIL OR BARRIER IS NOT USED. SEE GA DETAIL P-7
3. SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND

TYPICAL SECTION LEGEND

- (H) CONSTRUCTION DETAIL P7 (PAVEMENT EDGE TREATMENT ASPHALT AND CONCRETE PAVEMENT)
- (K) CONCRETE MEDIAN BARRIER, SC 805-805
- (N) 12 INCH PCC PAVEMENT WITH 1.5 INCH DOWELS
- (O) 175 HMA SURFACE TYPE C - INCLUDE LIME
- (P) 10 INCH GR AGGR BASE CRS.
- (S) 220 HMA SURFACE TYPE C - INCLUDE LIME
- (W) RECYCLED ASPH CONC LEVELING COURSE, AS REQD



TYPICAL SECTION NO. 3 SUPER ELEVATED SECTION

STATE OF SC STA. 396+19.00 TO STA. 413+45.63 WB
STATE OF SC STA. 398+09.88 TO STA. 414+06.03 EB



NOT TO SCALE

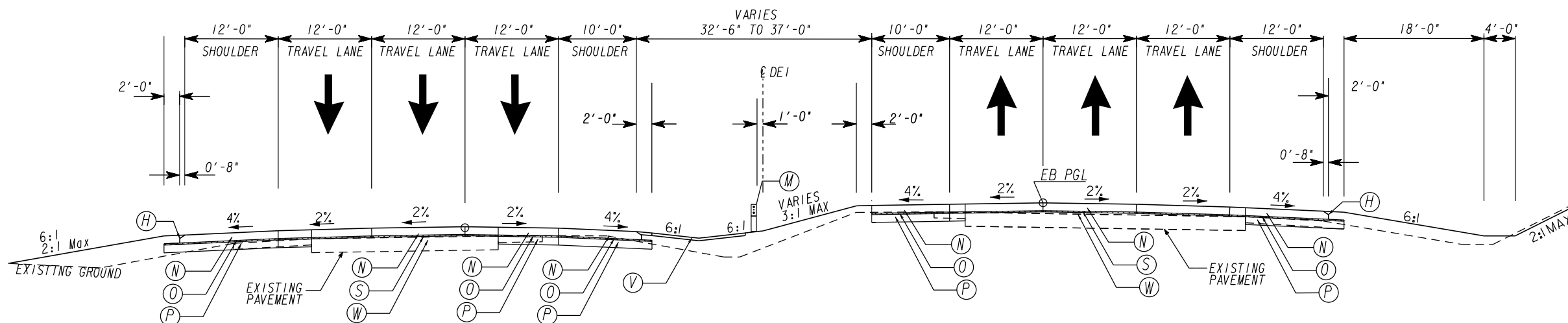
REVISION DATES

NO.	DATE	DESCRIPTION

TYPICAL SECTIONS

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**TYPICAL SECTION NO. 6
TANGENT SECTION**

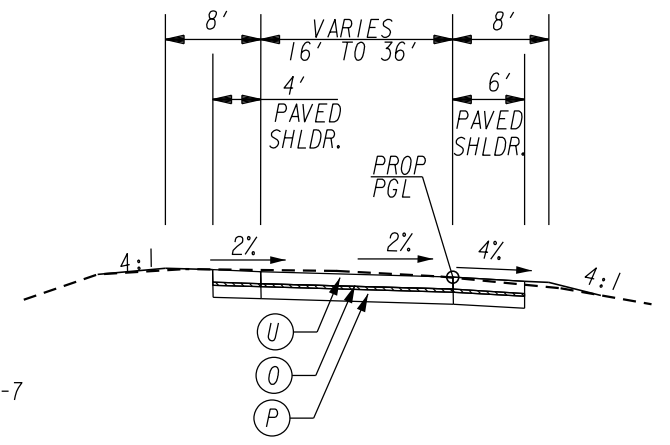
STATE OF SC STA. 438+00.00 TO STA. 440+44.63 WB
STATE OF SC STA. 438+00.00 TO STA. 442+22.28 EB

TYPICAL SECTION LEGEND

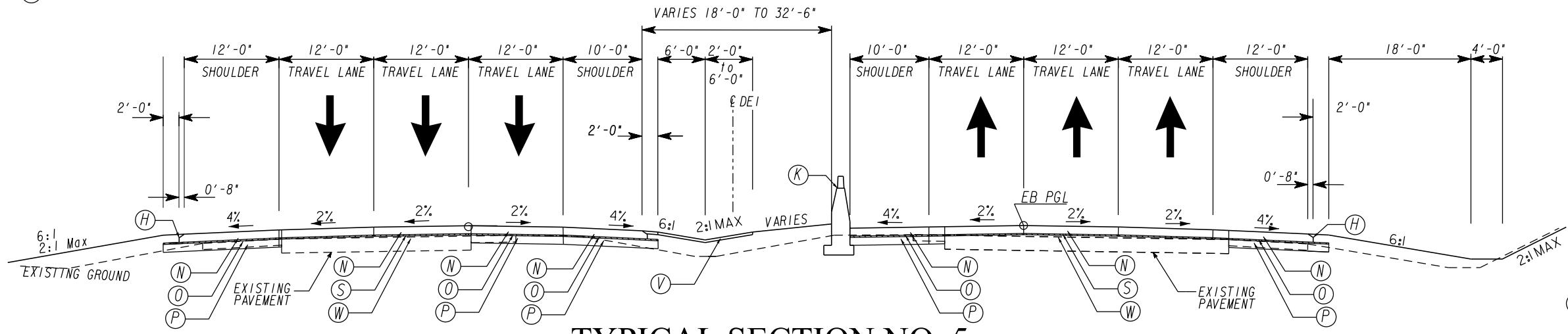
- (H) CONSTRUCTION DETAIL P7 (PAVEMENT EDGE TREATMENT ASPHALT AND CONCRETE PAVEMENT)
- (K) CONCRETE MEDIAN BARRIER, SC 805-805
- (M) CABLE BARRIER
- (N) 12 INCH PCC PAVEMENT WITH 1.5 INCH DOWELS
- (O) 175 HMA SURFACE TYPE C - INCLUDE LIME
- (P) 10 INCH GR AGGR BASE CRS.
- (S) 220 HMA SURFACE TYPE C - INCLUDE LIME
- (U) 10 INCH PCC PAVEMENT WITH 1.5 INCH DOWELS
- (V) 4 INCH DITCH PAVING
- (W) RECYCLED ASPH CONC LEVELING COURSE, AS REQD

NOTES:

1. INSIDE & OUTSIDE SHOULDERS REQUIRE INDENTATION RUMBLE STRIPS. SEE SCDOT SPECIAL DETAIL S501-305.
2. SAFETY EDGE TREATMENT REQUIRED ON OUTSIDE SHOULDER WHERE GUARDRAIL OR BARRIER IS NOT USED. SEE GA DETAIL P-7
3. SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND

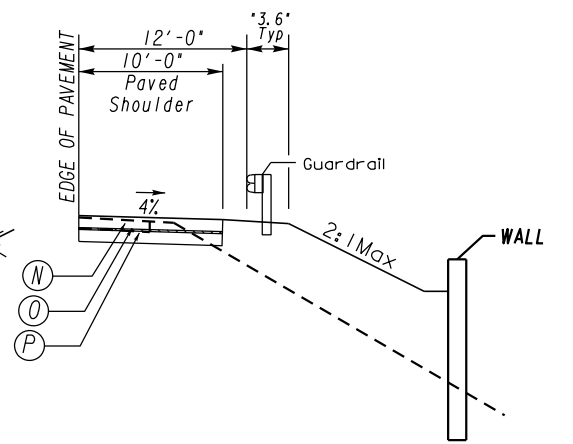


**TYPICAL SECTION 7
SYSTEM RAMPS
(SHOWN IN THE DIRECTION OF TRAVEL)**



**TYPICAL SECTION NO. 5
TANGENT SECTION**

STATE OF SC STA. 417+92.75 TO 438+00.00 WB
STATE OF SC STA. 417+92.75 TO 438+00.00 EB



**DETAIL FOR WALL USE ON
OUTSIDE SHOULDER**

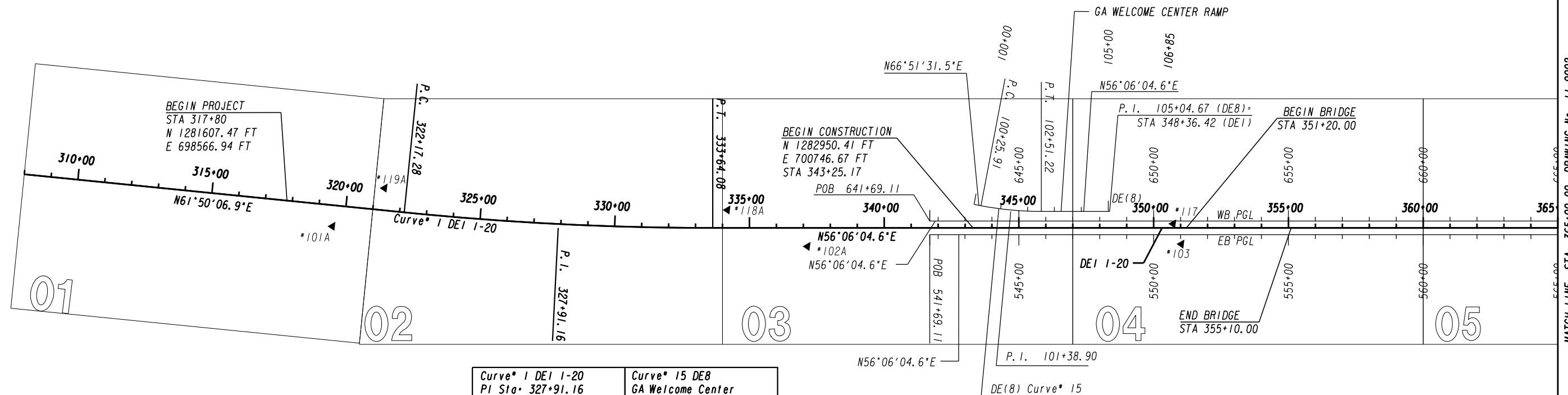
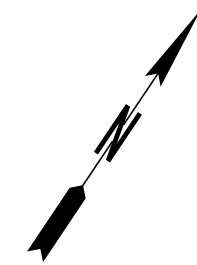
GDOT SCDOT South Carolina Department of Transportation

WINCON ENRS CORPORATION Stantec

NOT TO SCALE

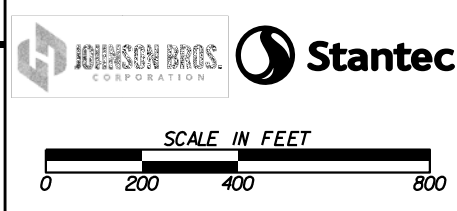
REVISION DATES		TYPICAL SECTIONS	
		1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER	
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BACKCHECKED:	DATE:	BACKCHECKED:	DATE:
CORRECTED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 05-0003	

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
*101A	N: 1281622.7590	E: 698759.6910	EL: 226.16	5/8" REBAR
*102A	N: 1282544.1190	E: 700264.5780	EL: 196.28	5/8" REBAR
*103	N: 1283325.1390	E: 701411.4830	EL: 172.94	5/8" REBAR
*117	N: 1283370.6300	E: 701344.4490	EL: 173.33	5/8" REBAR
*118A	N: 1282490.5980	E: 699942.8730	EL: 202.85	5/8" REBAR
*119A	N: 1281848.4390	E: 698841.5150	EL: 222.68	5/8" REBAR



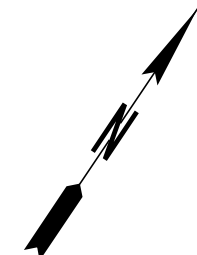
Curve* 1 DEI 1-20 PI Sta= 327+91.16 N= 1282084.7480 E= 699458.3710 DELTA= 05°44'02.3" (LT) D= 00°30'00.00" T= 573.88 L= 1146.79 R= 11459.16 E= 14.36 e= Match Existing	Curve* 15 DE8 GA Welcome Center PI Sta= 101+38.90 N= 1283072.3743 E= 700818.5134 DELTA= 10°45'26.9" (LT) D= 04°46'28.73" T= 112.98 L= 225.30 R= 1200.00 E= 5.31 e= Match Existing
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MATCH LINE STA. 365+00.00 DRAWING NO. 11-0002



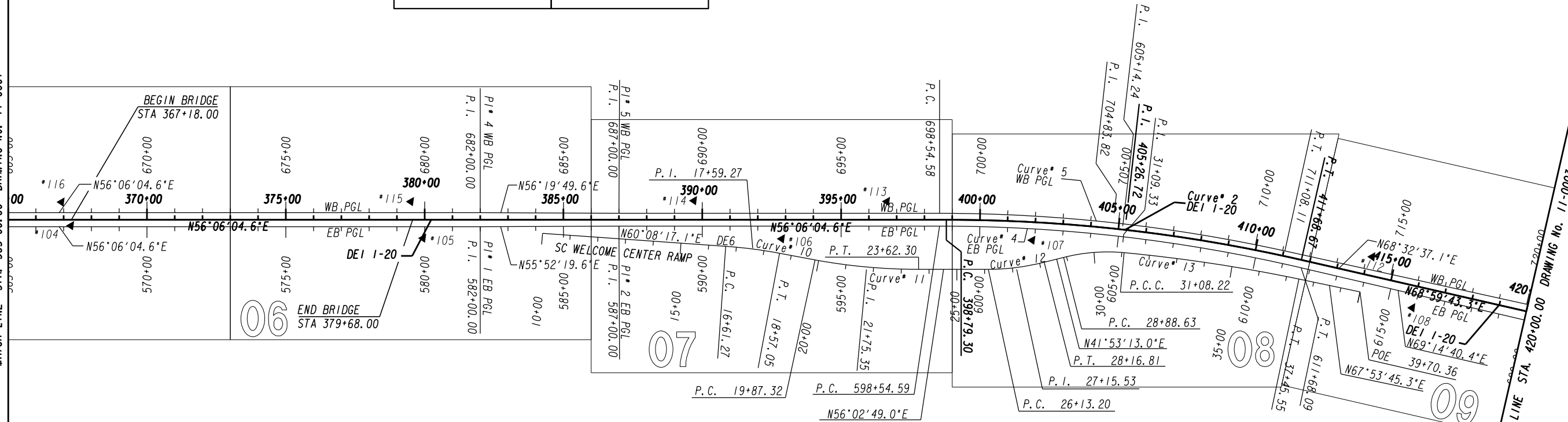
REVISION DATES		CONSTRUCTION LAYOUT	
		1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	11-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
*104	N: 1284262.6940	E: 702737.3840	EL: 164.56	5/8" REBAR
*105	N: 1284932.5000	E: 703814.9750	EL: 177.44	5/8" REBAR
*106	N: 1285651.1230	E: 704888.7170	EL: 226.50	5/8" REBAR
*107	N: 1286149.9310	E: 705640.1830	EL: 232.23	5/8" REBAR
*113	N: 1285974.1250	E: 705127.8940	EL: 233.67	5/8" REBAR
*114	N: 1285588.8050	E: 704549.5000	EL: 215.60	5/8" REBAR
*115	N: 1285017.3890	E: 703705.1400	EL: 176.97	5/8" REBAR
*116	N: 1284314.1590	E: 702661.6060	EL: 164.04	5/8" REBAR



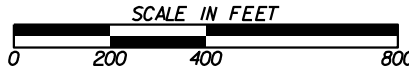
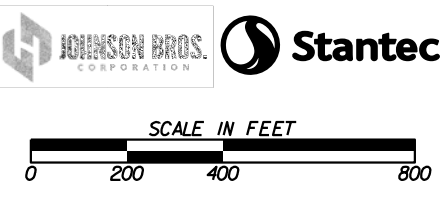
PI* 4 WB PGL PI Sta: 682+00.00 N: 1285122.8218 E: 703934.5962 DELTA: 00°13'45.1" (RT)	PI* 5 WB PGL PI Sta: 687+00.00 N: 1285400.0228 E: 704350.7207 DELTA: 00°13'45.1" (LT)
--	--

MATCH LINE STA. 365+00.00 DRAWING No. 11-0001



MATCH LINE STA. 420+00.00 DRAWING No. 11-0003

PI* 1 EB PGL PI Sta: 582+00.00 N: 1285081.0439 E: 703962.6684 DELTA: 00°13'45.0" (LT)	Curve* 2 DE1 1-20 PI Sta: 405+26.72 N: 1286399.6112 E: 705879.8765 DELTA: 12°53'38.7" (RT) D: 01°00'00.10" T: 647.42 L: 1289.37 R: 5729.41 E: 36.46 e: 3.6% DS: 70MPH emax: 8.00%	Curve* 4 EB PGL PI Sta: 605+14.24 N: 1286373.4127 E: 705882.4227 DELTA: 13°08'35.8" (RT) D: 01°00'02.25" T: 659.65 L: 1313.51 R: 5726.00 E: 37.87 e: 3.6% DS: 70MPH emax: 8.00%	Curve* 5 WB PGL PI Sta: 704+83.82 N: 1286394.9068 E: 705831.3352 DELTA: 12°26'32.5" (RT) D: 00°59'33.34" T: 629.24 L: 1253.52 R: 5772.33 E: 34.19 e: 3.6% DS: 70MPH emax: 8.00%	Curve* 10 DE6 PI Sta: 17+59.27 N: 1285564.3851 E: 704820.8584 DELTA: 06°31'17.9" (RT) D: 03°19'52.14" T: 97.99 L: 195.78 R: 1720.00 E: 2.79 e: Match Existing	Curve* 11 DE6 PI Sta: 21+75.35 N: 1285729.3174 E: 705203.0868 DELTA: 10°36'46.0" (LT) D: 02°49'48.79" T: 188.03 L: 374.98 R: 2024.43 E: 8.71 e: Match Existing	Curve* 12 DE6 PI Sta: 27+15.53 N: 1286031.6150 E: 705652.0544 DELTA: 14°09'36.0" (LT) D: 06°57'16.67" T: 102.32 L: 203.61 R: 823.85 E: 6.33 e: Match Existing	Curve* 13 DE6 PI Sta: 31+09.33 N: 1286325.5617 E: 705915.6768 DELTA: 26°00'32.3" (RT) D: 08°54'54.63"(1) D: 01°00'33.27"(2) T: 220.70(1) T: 647.47(2) L: 219.59(1) L: 637.32(2) R: 642.68(1) R: 5677.12(2) E: 36.84 e: Match Existing
--	---	---	---	--	---	--	---



REVISION DATES	

CONSTRUCTION LAYOUT

I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	11-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

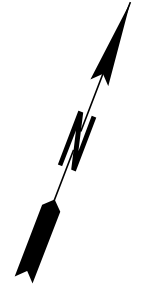
Curve* 16 DE2
 PI Sta* 42+18.64
 N* 1287545.1262
 E* 708632.0290
 DELTA* 33°18'06.1" (LT)
 D* 07°32'20.11"
 T* 227.30
 L* 441.73
 R* 760.00
 E* 33.26
 e* Match Existing

Curve* 6 DE2
 PI Sta* 48+90.78
 N* 1288114.9287
 E* 709012.2471
 DELTA* 78°41'31.0" (LT)
 D* 12°43'56.62"(1)
 D* 08°11'06.40"(2)
 D* 14°30'09.03"(3)
 T* 389.94(1)
 T* 373.97(2)
 L* 283.37(1)
 L* 133.70(2)
 L* 218.37(3)
 R* 450.00(1)
 R* 395.08(3)
 E* 145.44
 e* Match Existing

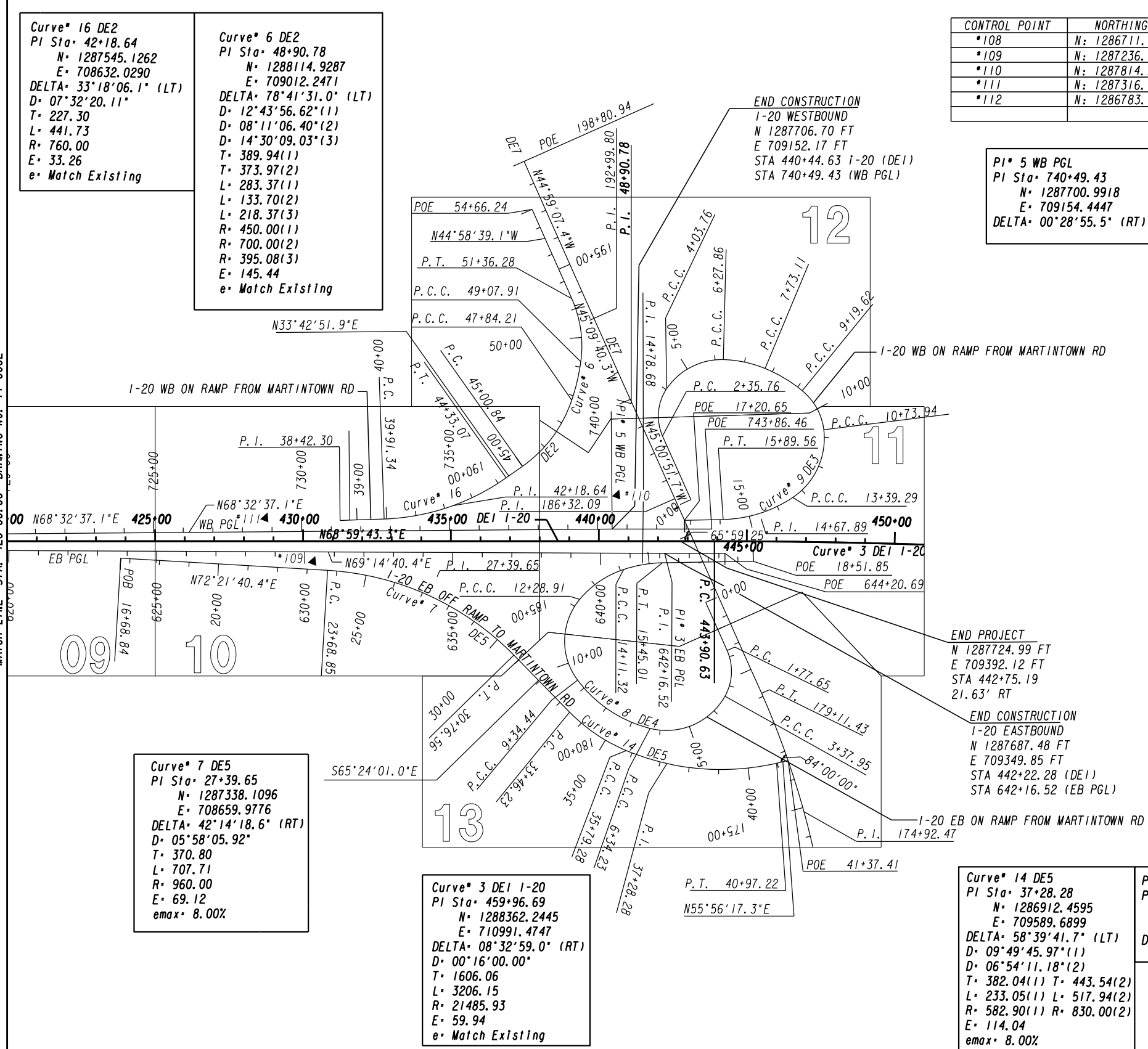
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
*108	N: 1286711.5650	E: 706911.7790	EL: 221.26	5/8" REBAR
*109	N: 1287236.4950	E: 708250.3650	EL: 231.16	5/8" REBAR
*110	N: 1287814.5890	E: 709129.3400	EL: 244.40	5/8" REBAR
*111	N: 1287316.1490	E: 708047.0200	EL: 226.24	5/8" REBAR
*112	N: 1286783.5940	E: 706689.9000	EL: 220.24	5/8" REBAR

PI* 5 WB PGL
 PI Sta* 740+49.43
 N* 1287700.9918
 E* 709154.4447
 DELTA* 00°28'55.5" (RT)

Curve* 9 DE3
 PI Sta* 14+67.89
 N* 1287914.2680
 E* 709612.2519
 DELTA* 32°29'53.7" (RT)
 D* 12°59'07.68"
 T* 128.60
 L* 250.27
 R* 441.23
 E* 18.36
 e* Match Existing



MATCH LINE STA. 420+00.00 DRAWING No. 11-0002



Curve* 7 DE5
 PI Sta* 27+39.65
 N* 1287338.1096
 E* 708659.9776
 DELTA* 42°14'18.6" (RT)
 D* 05°58'05.92"
 T* 370.80
 L* 707.71
 R* 960.00
 E* 69.12
 e* Match Existing

Curve* 3 DE1 I-20
 PI Sta* 459+96.69
 N* 1288362.2445
 E* 710991.4747
 DELTA* 08°32'59.0" (RT)
 D* 00°16'00.00"
 T* 1606.06
 L* 3206.15
 R* 21485.93
 E* 59.94
 e* Match Existing

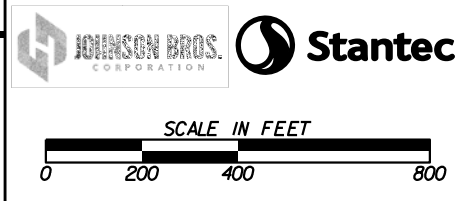
Curve* 14 DE5
 PI Sta* 37+28.28
 N* 1286912.4595
 E* 709589.6899
 DELTA* 58°39'41.7" (LT)
 D* 09°49'45.97"(1)
 D* 06°54'11.18"(2)
 T* 382.04(1) T* 443.54(2)
 L* 233.05(1) L* 517.94(2)
 R* 582.90(1) R* 830.00(2)
 E* 114.04
 e* Match Existing

PI* 3 EB PGL
 PI Sta* 642+16.52
 N* 1287687.4803
 E* 709349.8516
 DELTA* 00°14'23.5" (LT)

Curve* 8 DE4
 PI Sta* 14+78.68
 N* 1287630.1234
 E* 709291.9196
 DELTA* 17°24'05.1" (RT)
 D* 13°00'58.99"
 T* 67.36
 L* 133.69
 R* 440.18
 E* 5.12
 e* Match Existing

END PROJECT
 N 1287724.99 FT
 E 709392.12 FT
 STA 442+75.19
 21.63' RT

END CONSTRUCTION
 I-20 EASTBOUND
 N 1287687.48 FT
 E 709349.85 FT
 STA 442+22.28 (DE1)
 STA 642+16.52 (EB PGL)

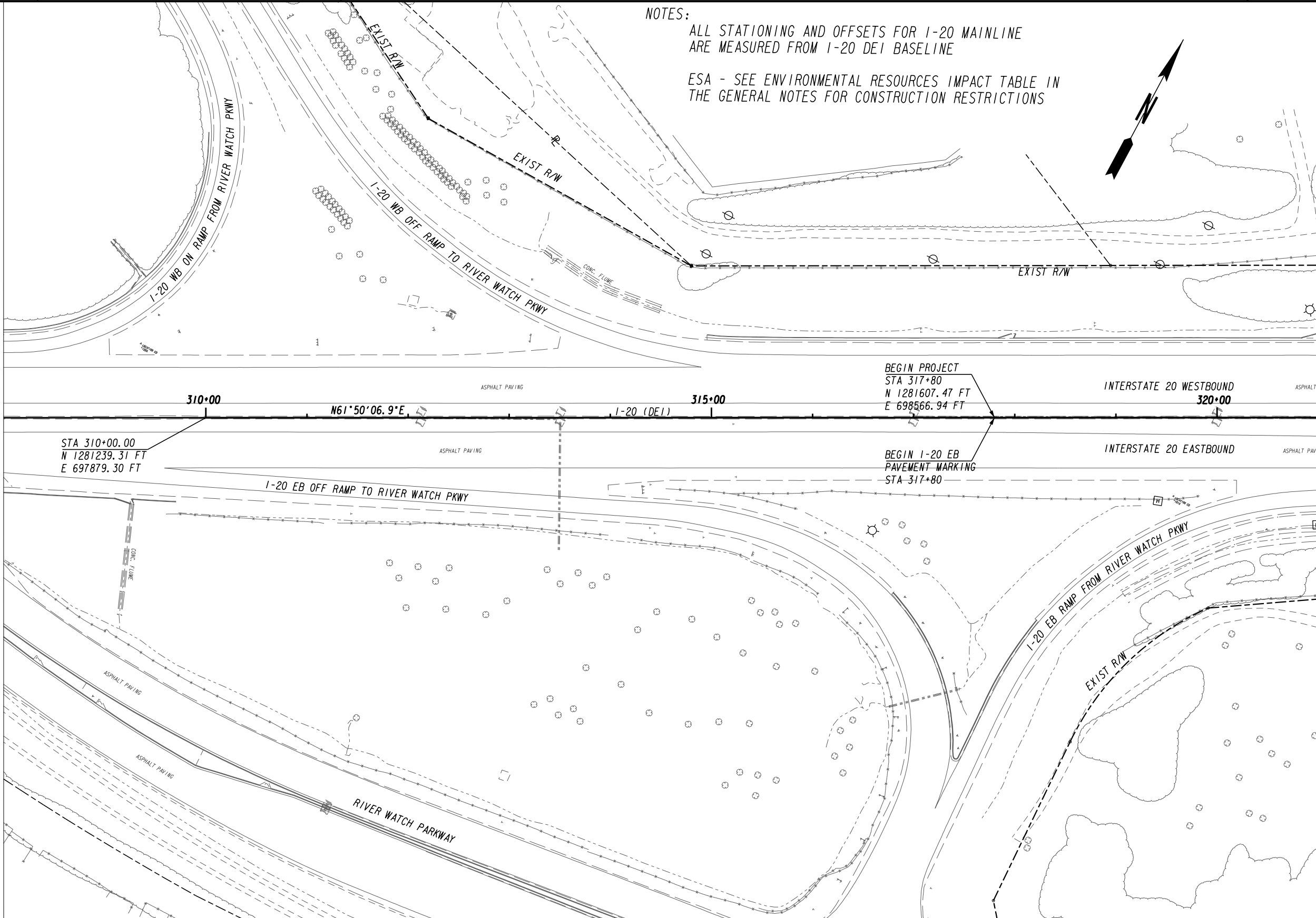
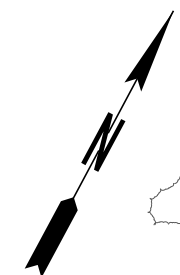


REVISION DATES	

CONSTRUCTION LAYOUT		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	11-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

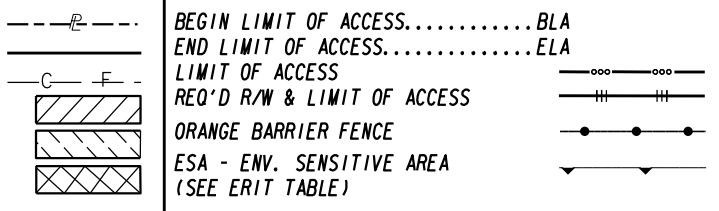
NOTES:
ALL STATIONING AND OFFSETS FOR I-20 MAINLINE
ARE MEASURED FROM I-20 DEI BASELINE

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

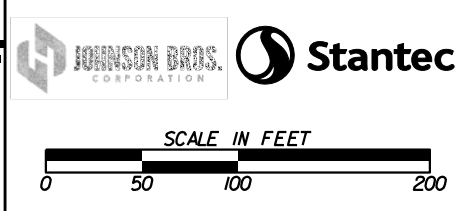


MATCH LINE STA. 321+00 DRAWING No. 13-0002

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

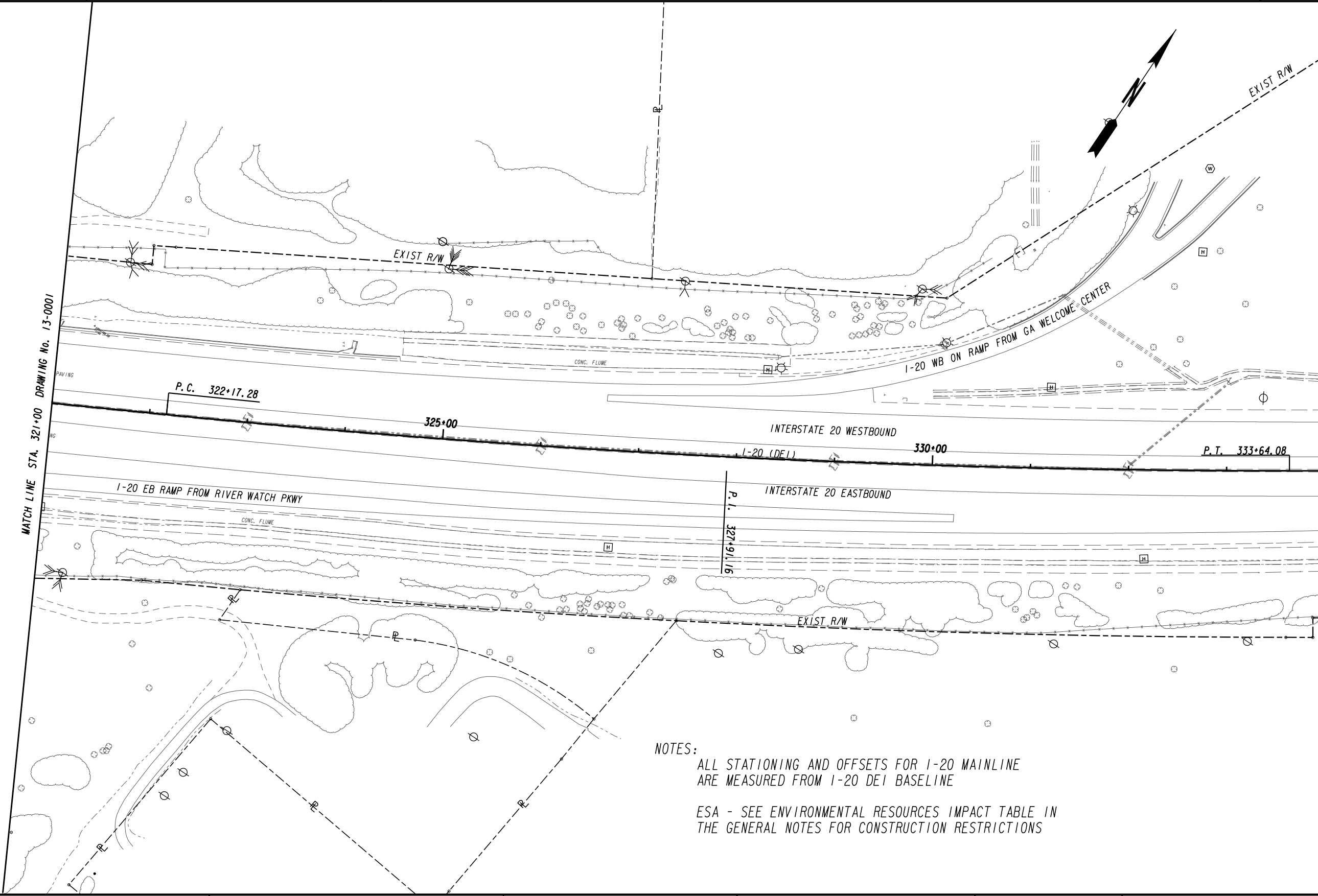


BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES	

CONSTRUCTION PLAN		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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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 WILSON BROS. CORPORATION

SCALE IN FEET
 0 50 100 200

REVISION DATES	

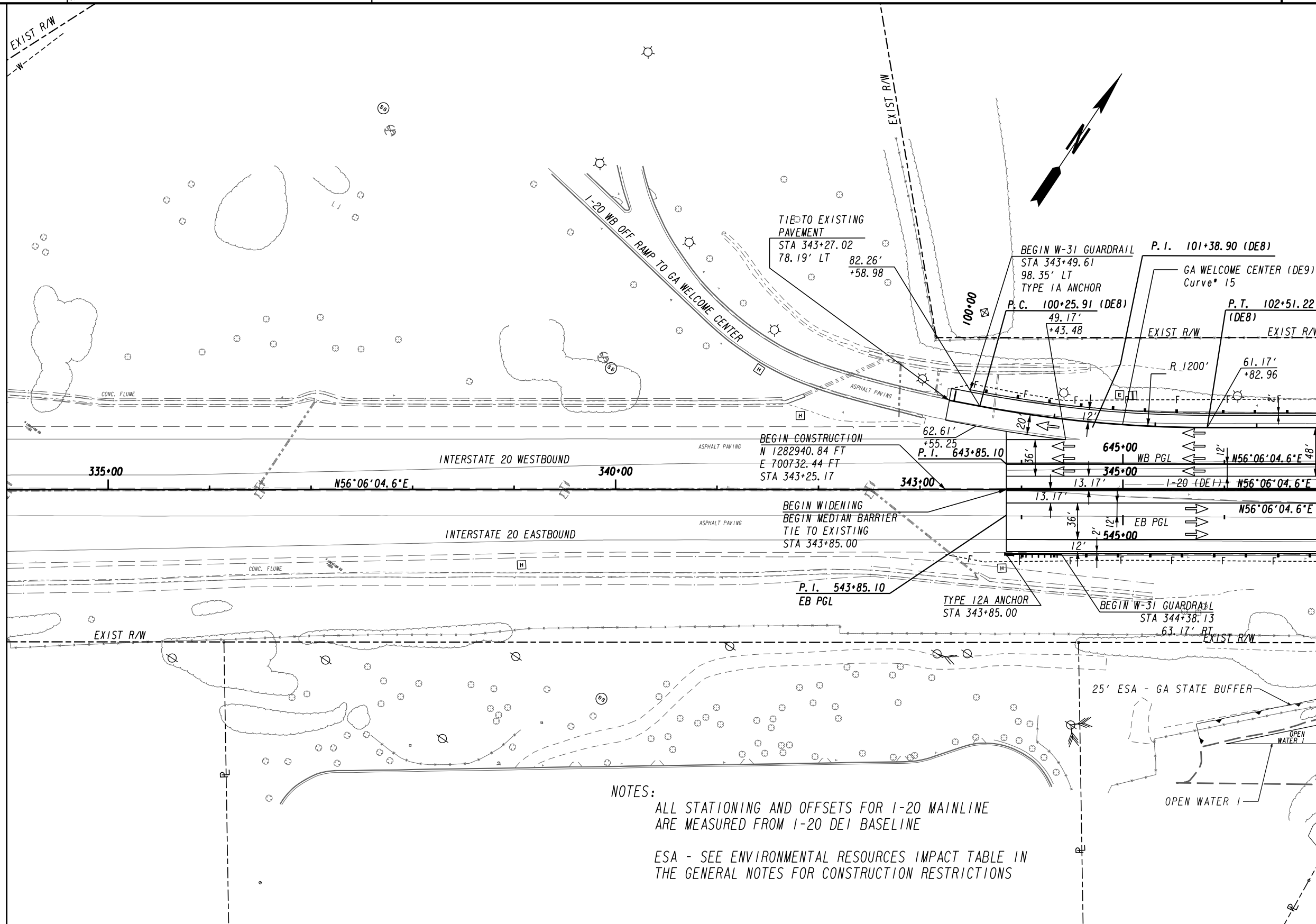
CONSTRUCTION PLAN

I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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

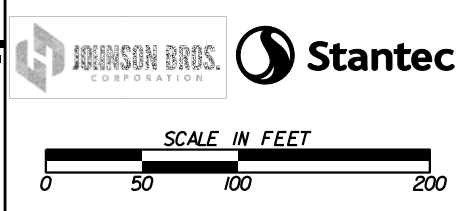
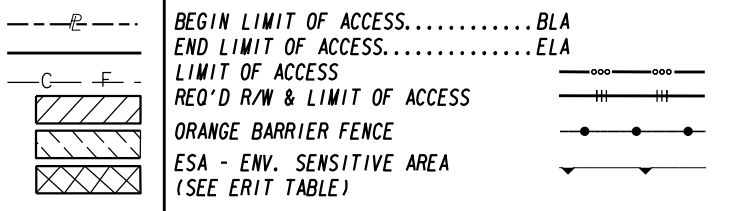
MATCH LINE STA. 334+00 DRAWING No. 13-0002

MATCH LINE STA. 347+00 DRAWING No. 13-0004



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DE1 BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

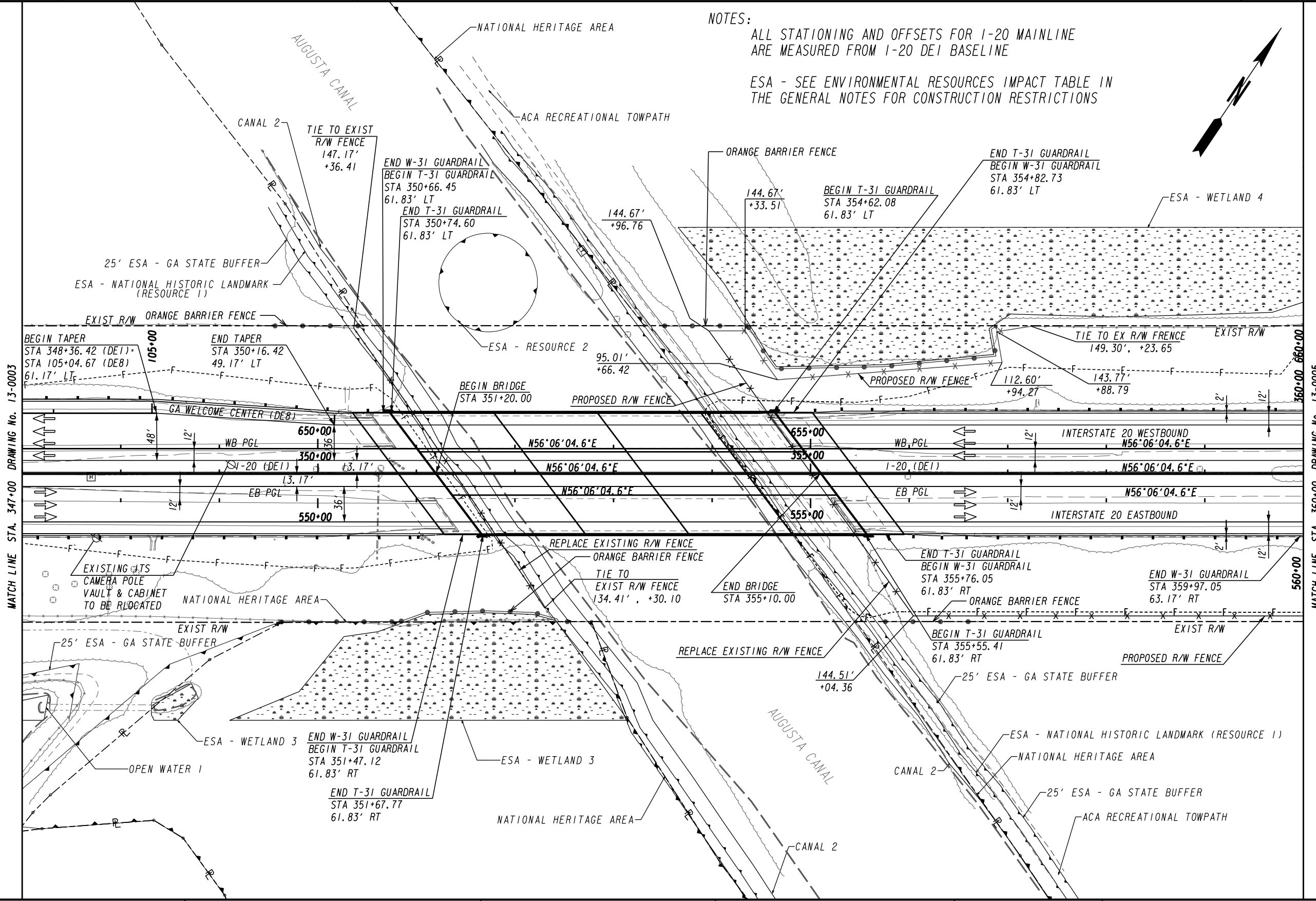
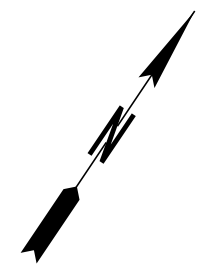
PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES



REVISION DATES	

CONSTRUCTION PLAN		
1-20 BRIDGE REPLACEMNT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE
 ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
 THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS



MATCH LINE STA. 347+00 DRAWING NO. 13-0003

MATCH LINE STA. 360+00 DRAWING NO. 13-0005

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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Stantec

SCALE IN FEET
 0 50 100 200

REVISION	DATE

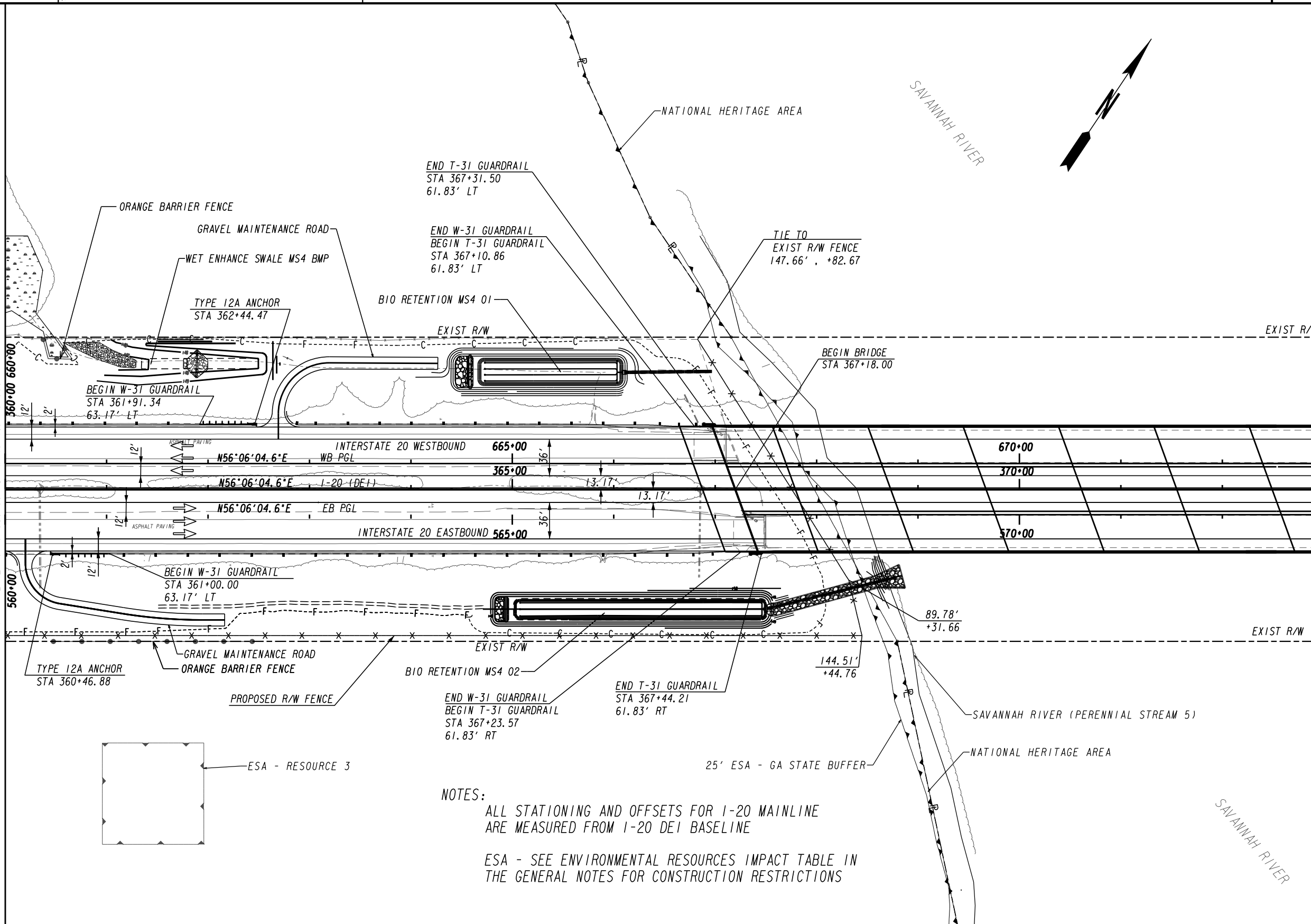
CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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

MATCH LINE STA. 360+00 DRAWING No. 13-0004

MATCH LINE STA. 373+00 DRAWING No. 13-0006

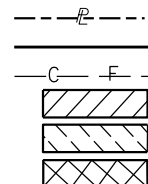


NOTES:

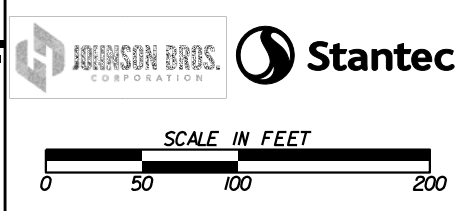
ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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



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

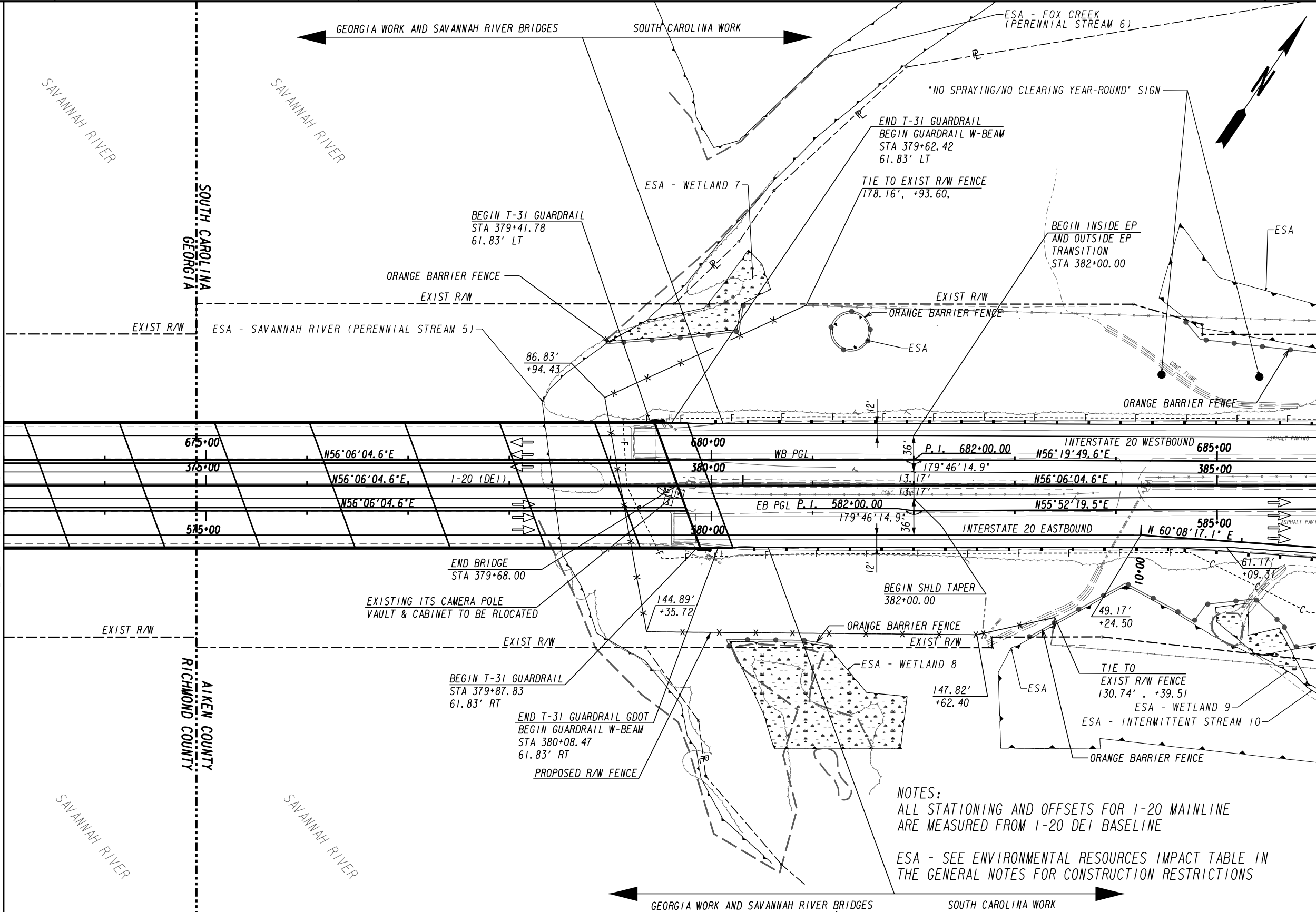


REVISION DATES	

CONSTRUCTION PLAN			
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCH LINE STA. 373+00 DRAWING No. 13-0005

MATCH LINE STA. 386+00 DRAWING No. 13-0007



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE
 ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
 THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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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 WILSON BROS. CORPORATION

SCALE IN FEET
 0 50 100 200

REVISION DATES	

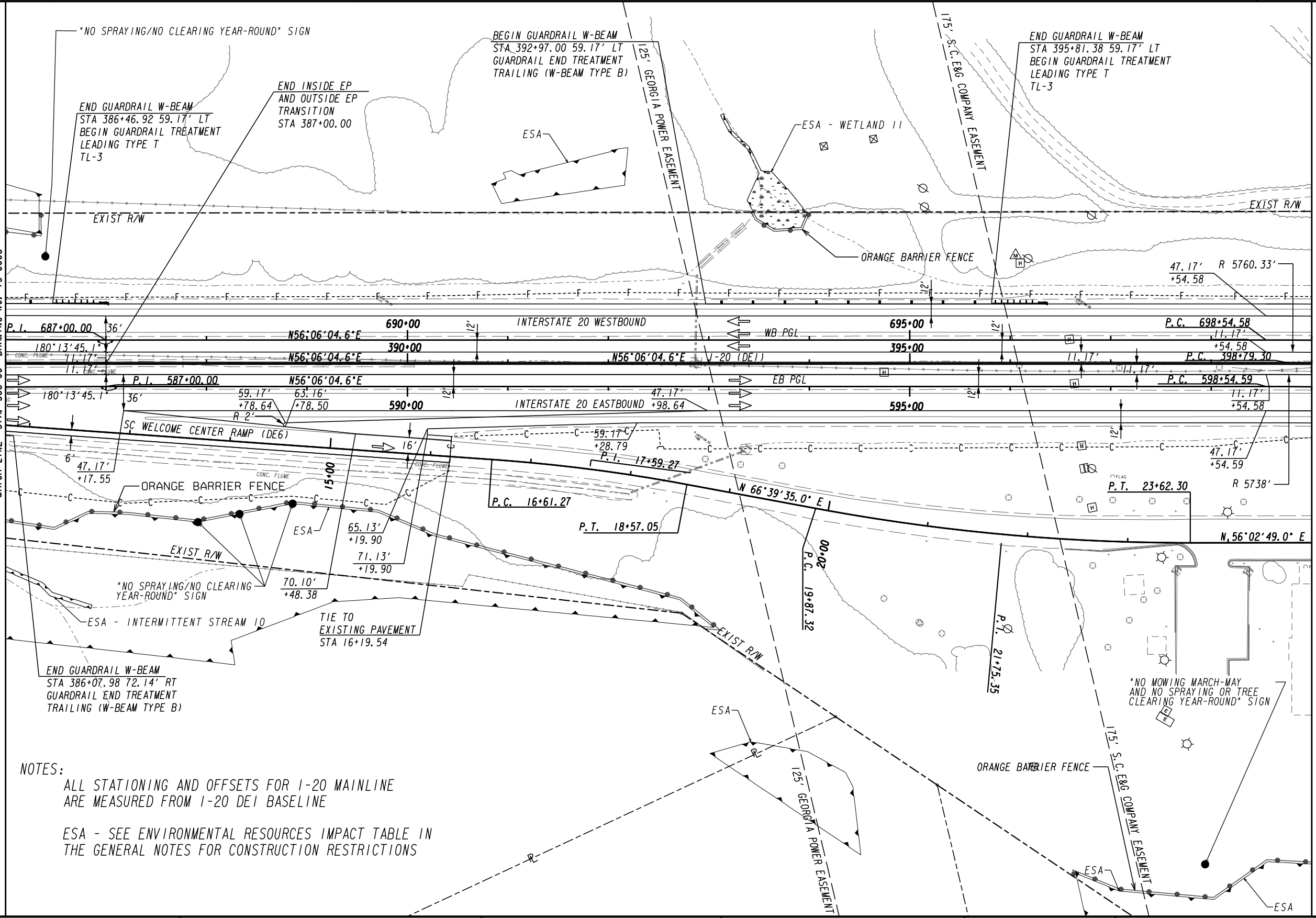
CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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

MATCH LINE STA. 386+00 DRAWING No. 13-0006

MATCH LINE STA. 399+00 DRAWING No. 13-0008



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DE1 BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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)	---

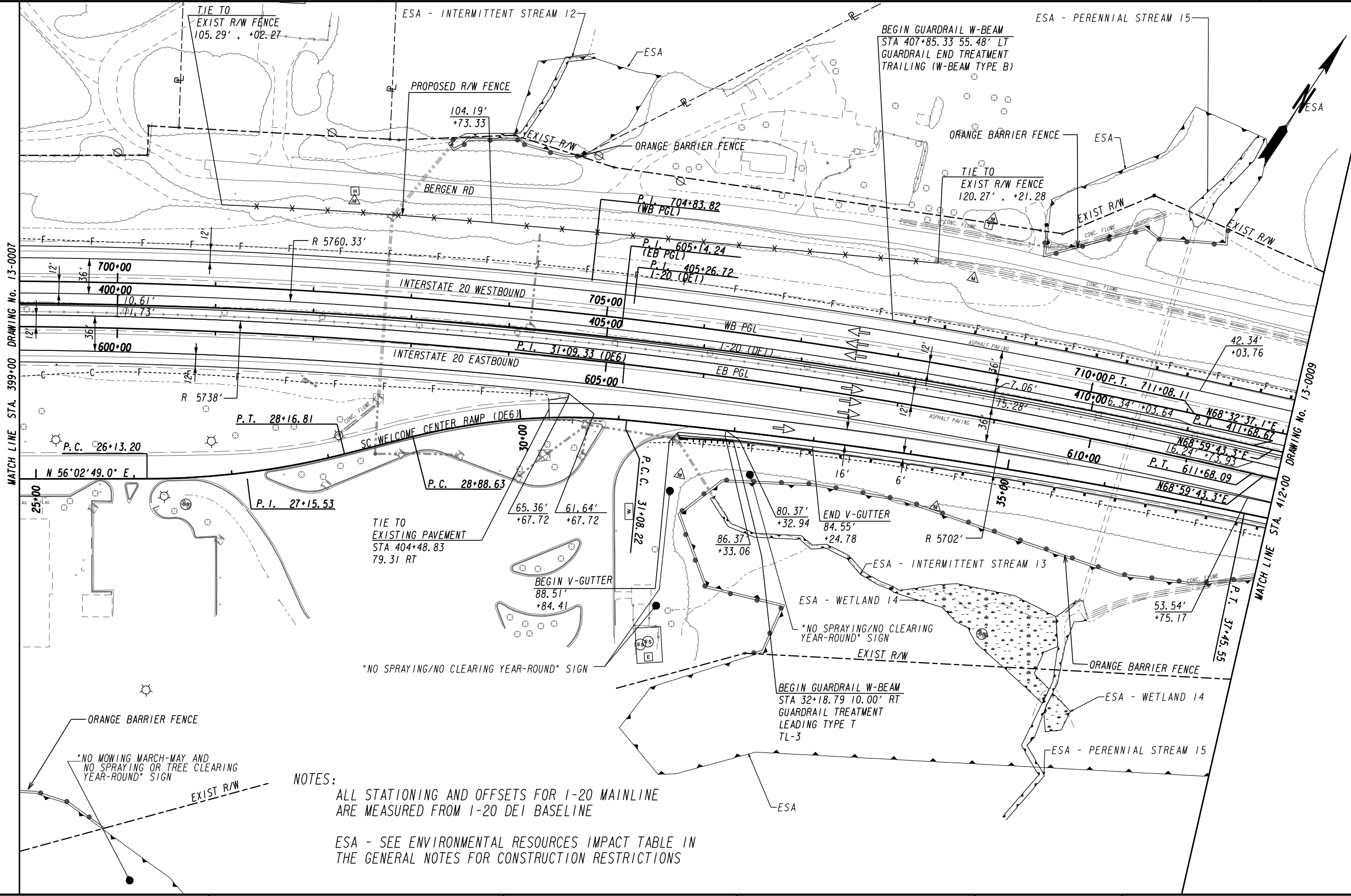
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 SCALE IN FEET
 0 50 100 200

REVISION DATES

CONSTRUCTION PLAN
 I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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



MATCH LINE STA. 399+00 DRAWING No. 13-0007

MATCH LINE STA. 412+00 DRAWING No. 13-0009

NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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)	---

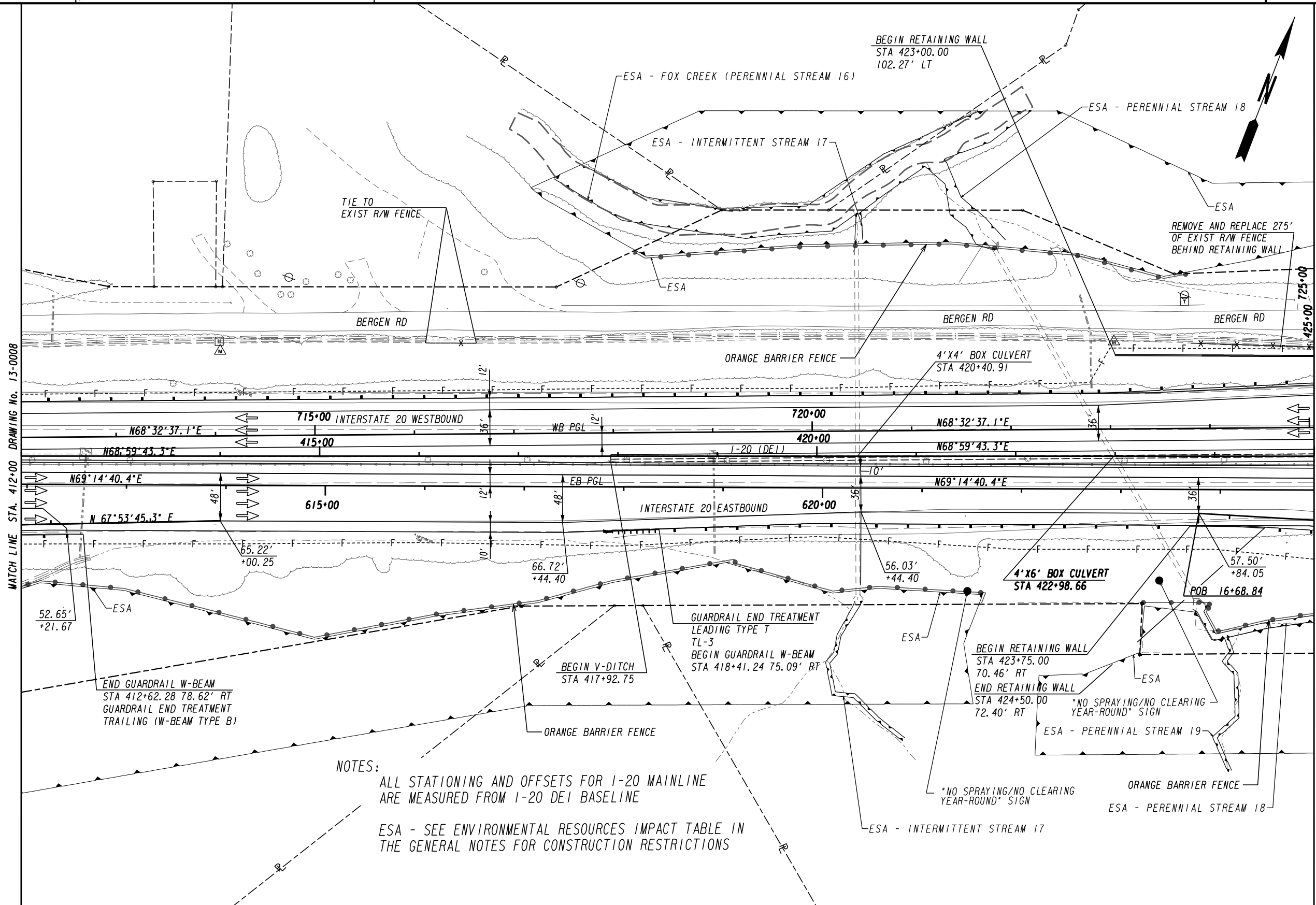
SCALE IN FEET
0 50 100 200

REVISION DATES	

CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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



MATCH LINE STA. 412+00 DRAWING No. 13-0008

MATCH LINE STA. 425+00 DRAWING No. 13-0010

NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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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 WILSON BROS. CORPORATION

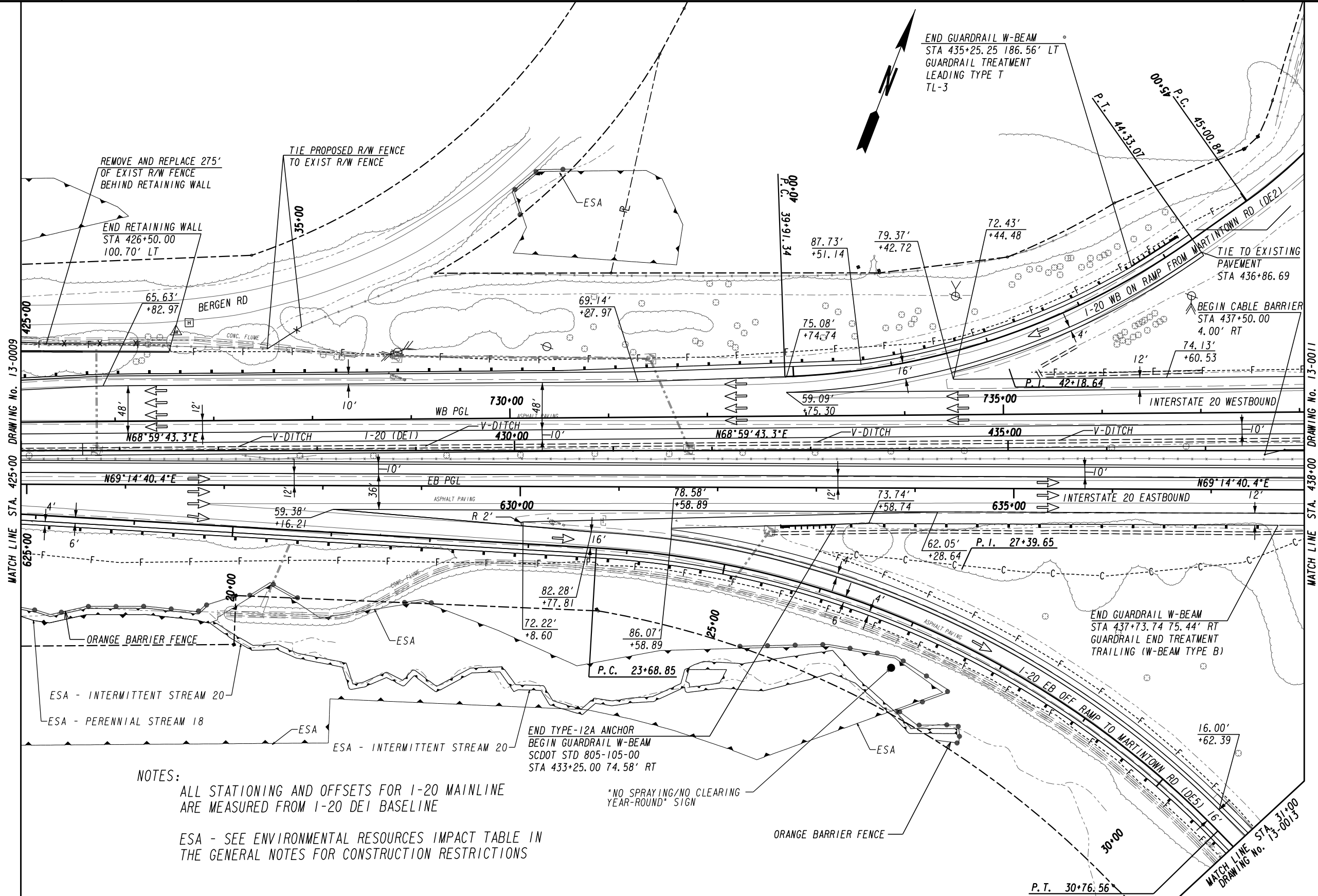
SCALE IN FEET
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REVISION DATES	

CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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)	---

CDOT
 South Carolina Department of Transportation

Stantec

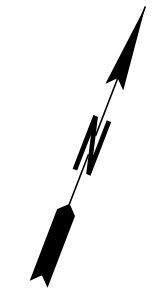
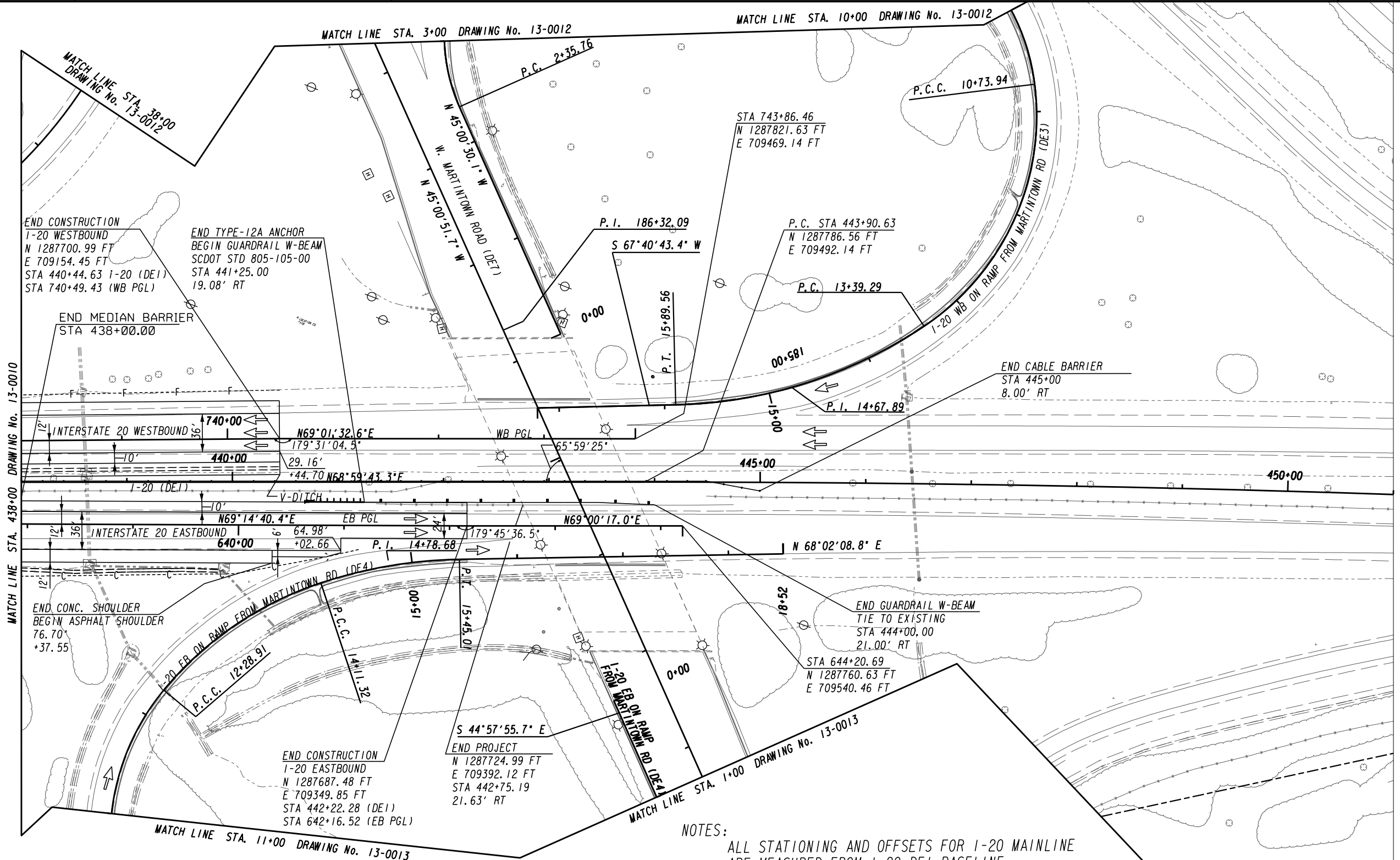
SCALE IN FEET
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REVISION	DATE

CONSTRUCTION PLAN

I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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	---/---

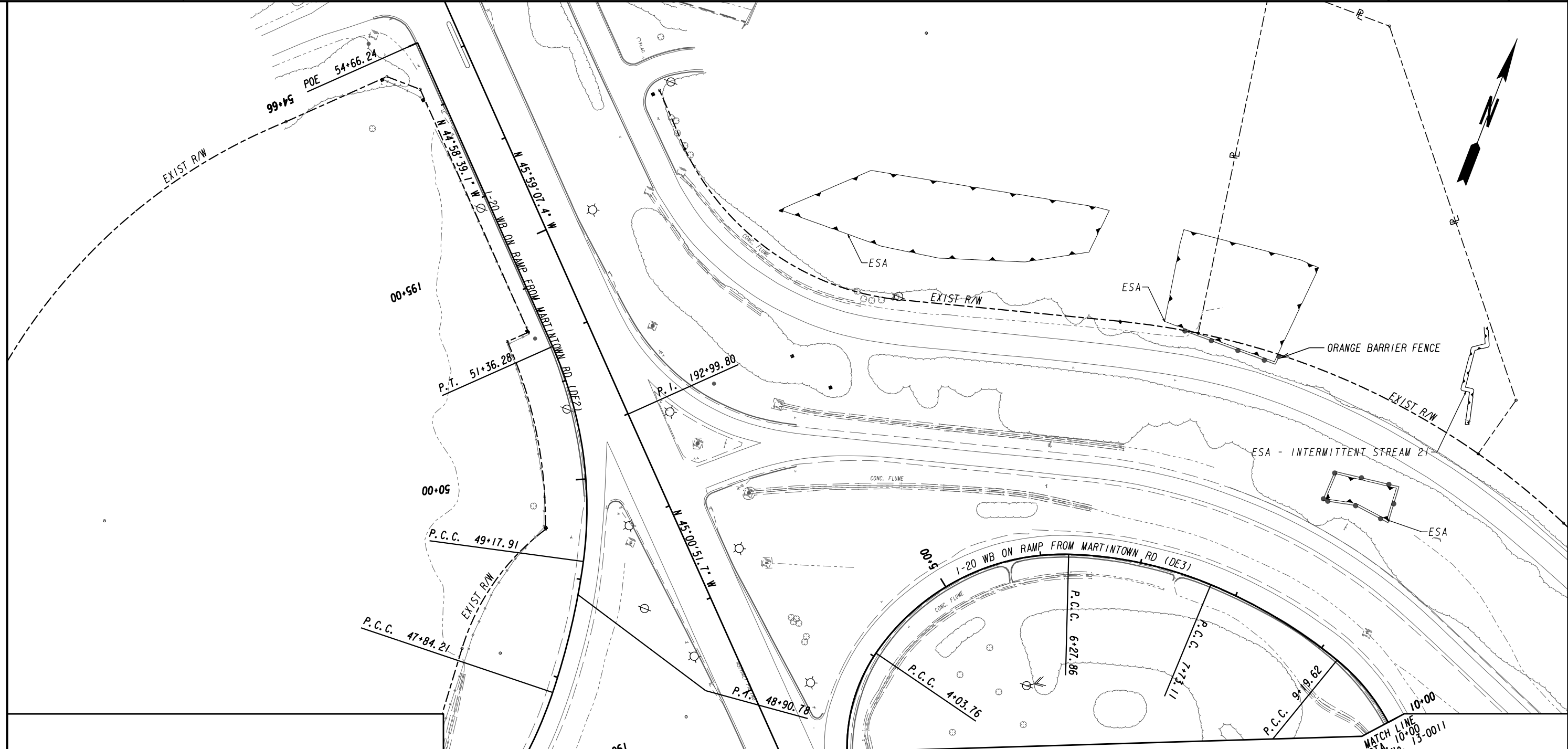
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END LIMIT OF ACCESS.....ELA	---o---o---
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REQ'D R/W & LIMIT OF ACCESS	---o---o---
ORANGE BARRIER FENCE	---o---o---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---o---o---

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Stantec
 SCALE IN FEET
 0 50 100 200

REVISION DATES	

CONSTRUCTION PLAN
 I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER
 CHECKED: DATE: DRAWING No.
 BACKCHECKED: DATE: 13-0011
 CORRECTED: DATE:
 VERIFIED: DATE:
 10/23/2015 GPLN



NOTES:
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
 THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

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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SCDOT
 South Carolina Department of Transportation

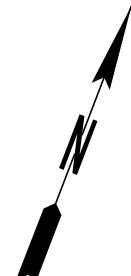
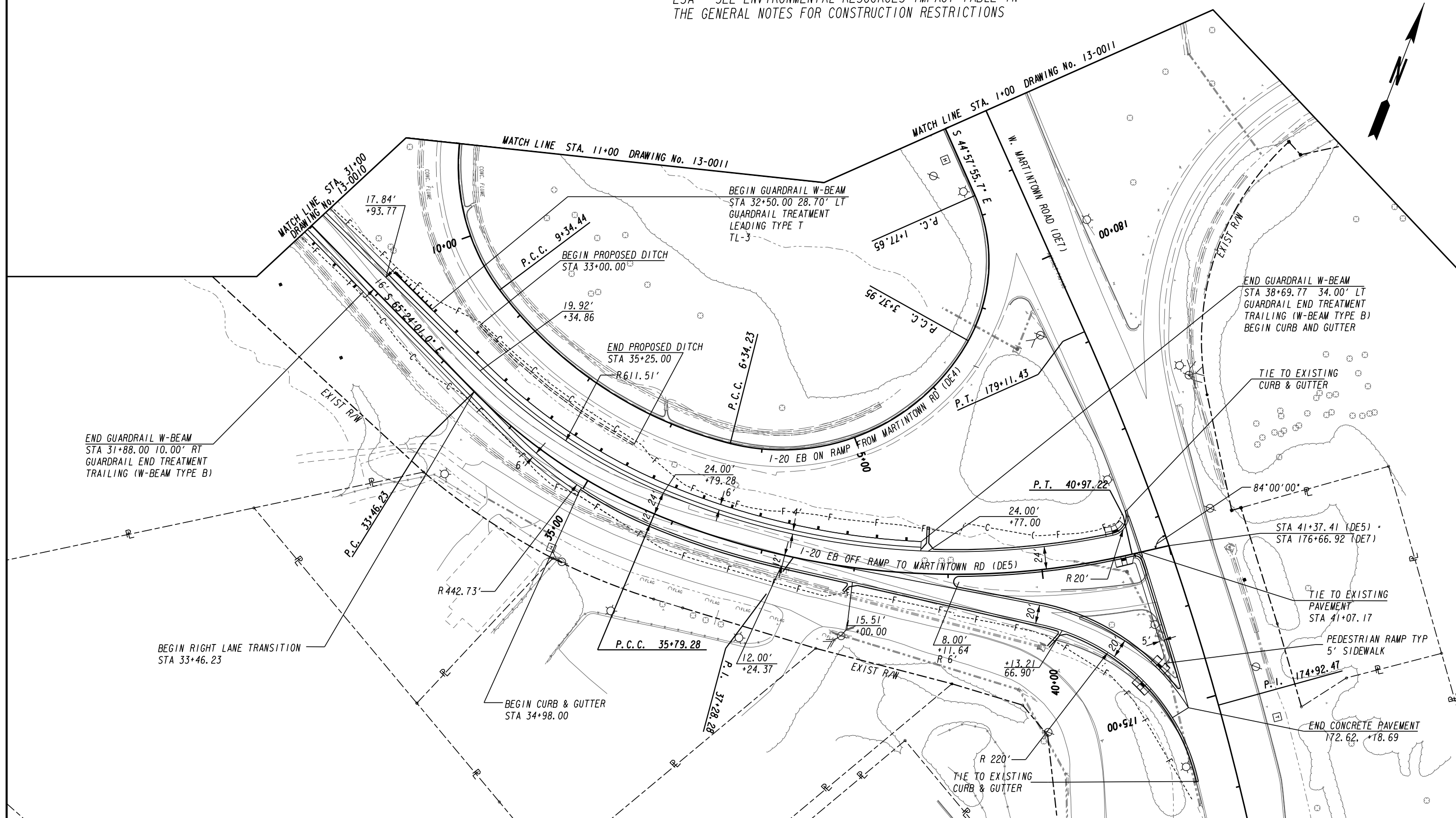
Stantec
 SCALE IN FEET
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REVISION DATES	

CONSTRUCTION PLAN
 1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0012
CORRECTED:	DATE:	
VERIFIED:	DATE:	

NOTE:
ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN
THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS



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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South Carolina Department of Transportation

Stantec

SCALE IN FEET
0 50 100 200

REVISION DATES	

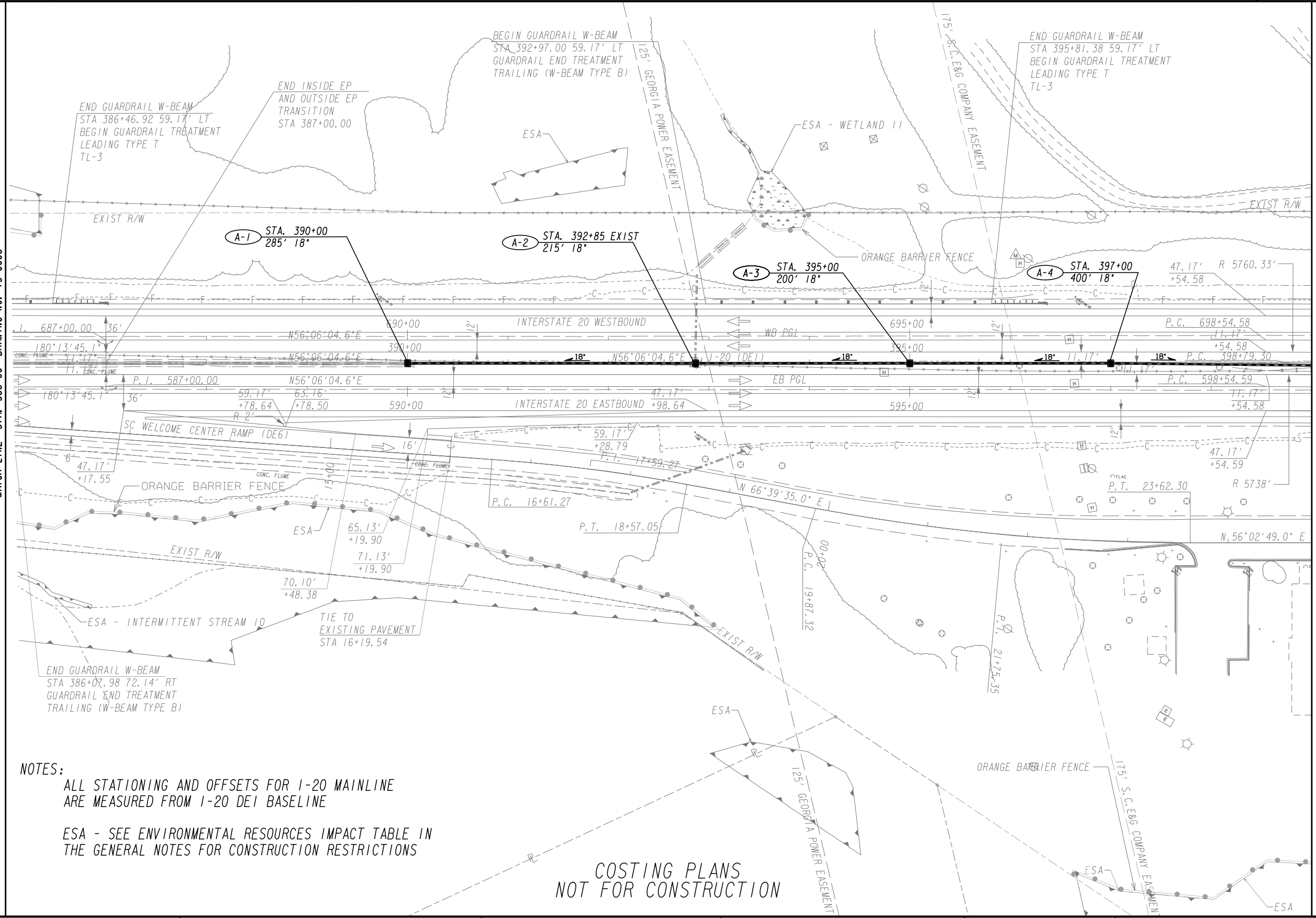
CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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

MATCH LINE STA. 386+00 DRAWING No. 13-0006

MATCH LINE STA. 399+00 DRAWING No. 13-0008



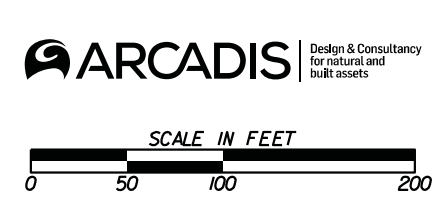
NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

COSTING PLANS NOT FOR CONSTRUCTION

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

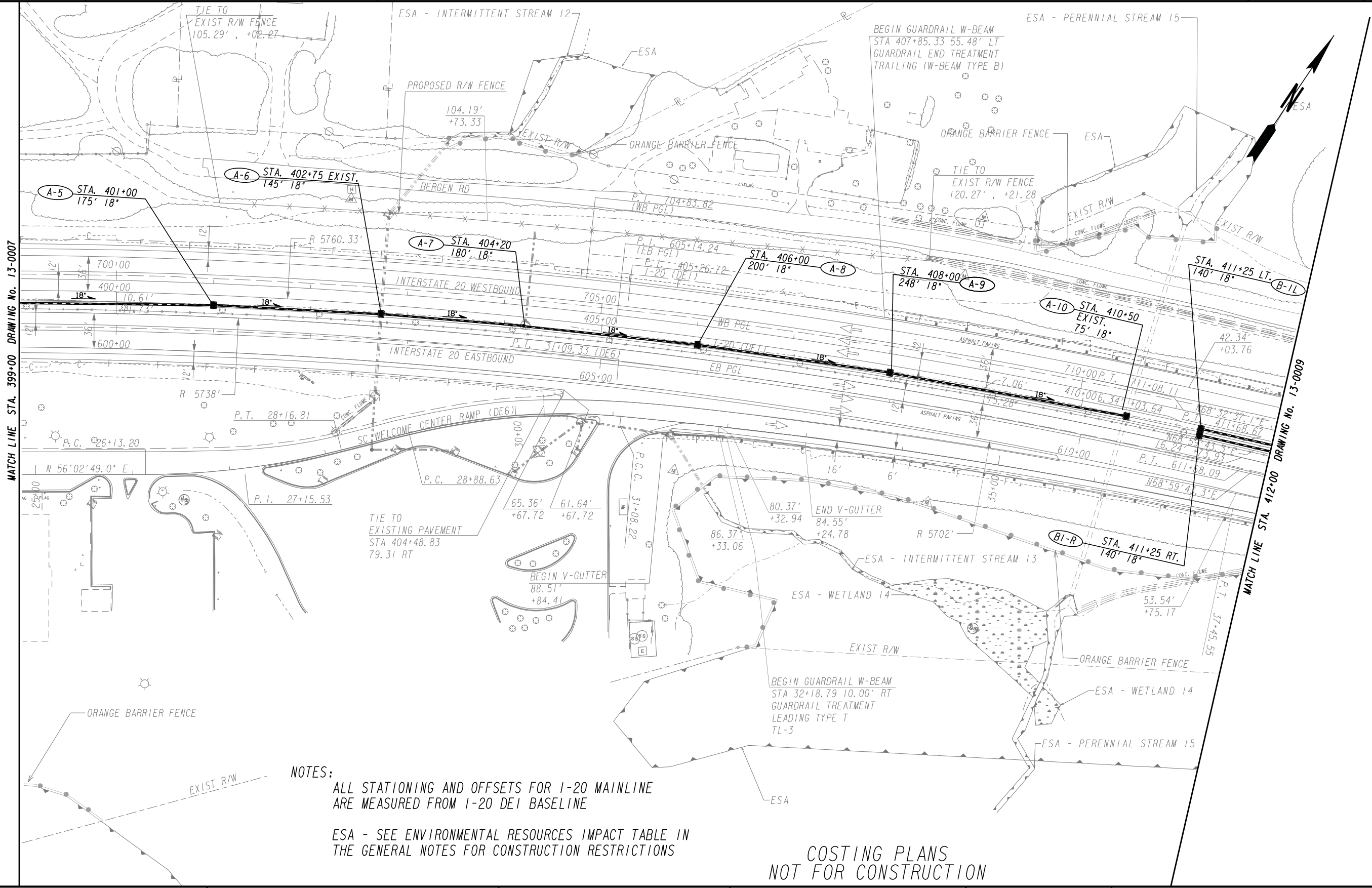
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 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)



REVISION DATES	

CONSTRUCTION PLAN			
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0007A	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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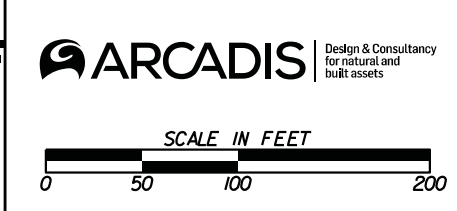
MATCH LINE STA. 412+00 DRAWING No. 13-0009

NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

COSTING PLANS
NOT FOR CONSTRUCTION

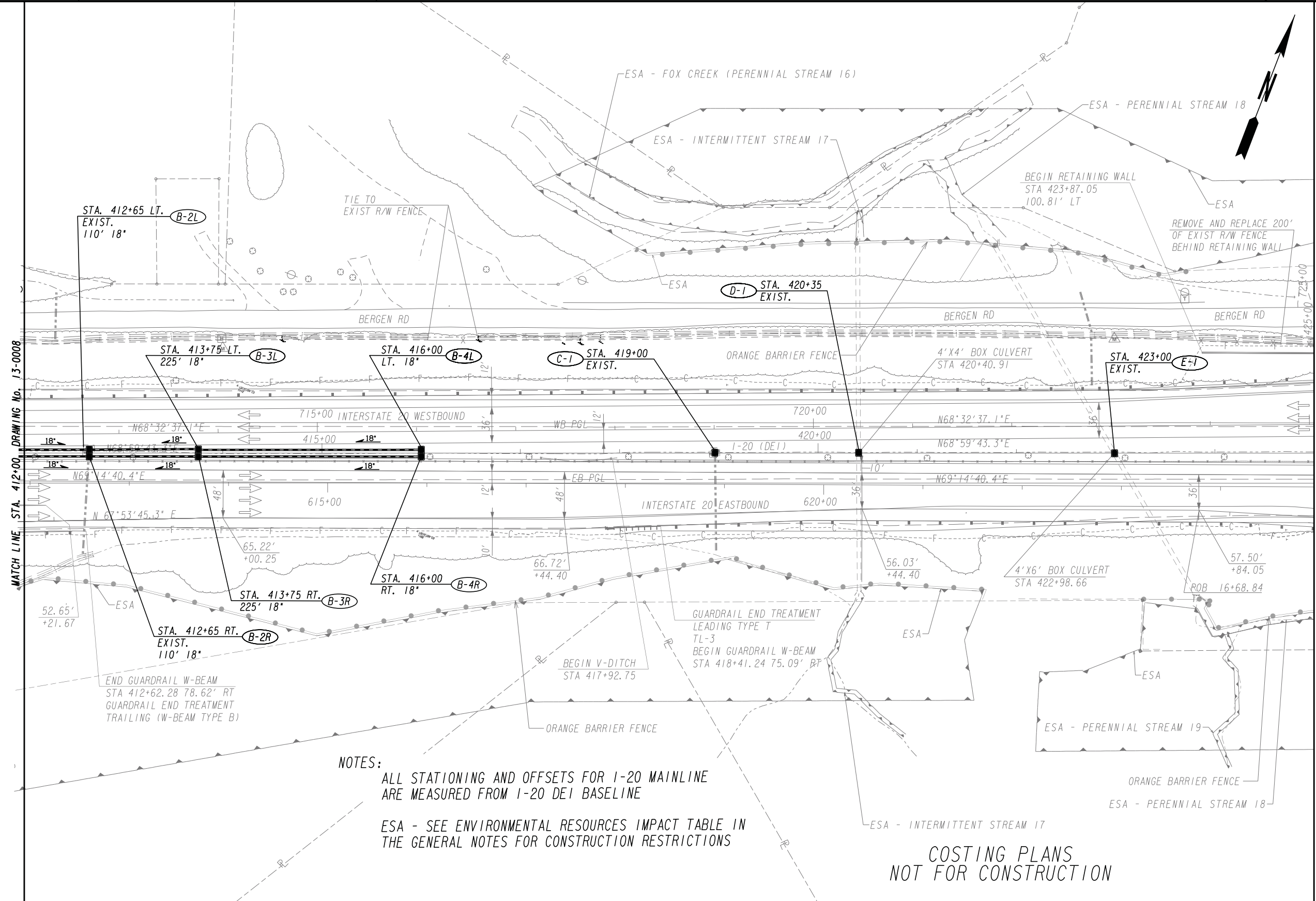
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

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)	---



REVISION DATES	

CONSTRUCTION PLAN		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0008A
CORRECTED:	DATE:	
VERIFIED:	DATE:	



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

COSTING PLANS
 NOT FOR CONSTRUCTION

MATCH LINE STA. 412+00 DRAWING NO. 13-0008

MATCH LINE STA. 425+00 DRAWING NO. 13-0010

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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ARCADIS Design & Consultancy for natural and built assets

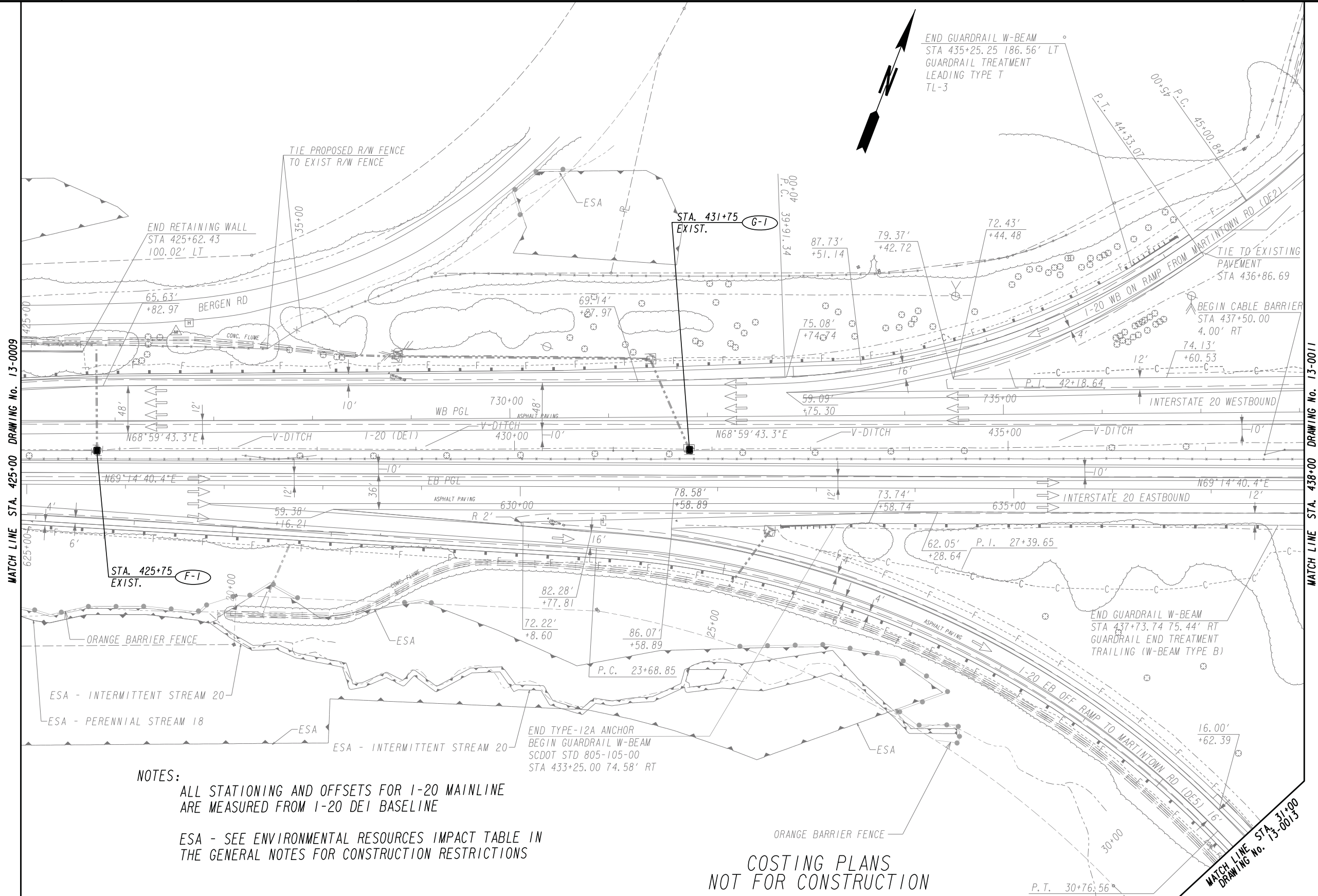
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REVISION DATES	

CONSTRUCTION PLAN

1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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



MATCH LINE STA. 425+00 DRAWING No. 13-0009

MATCH LINE STA. 438+00 DRAWING No. 13-0011

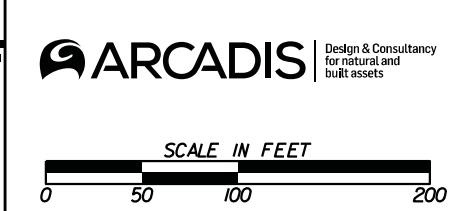
NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

**COSTING PLANS
 NOT FOR CONSTRUCTION**

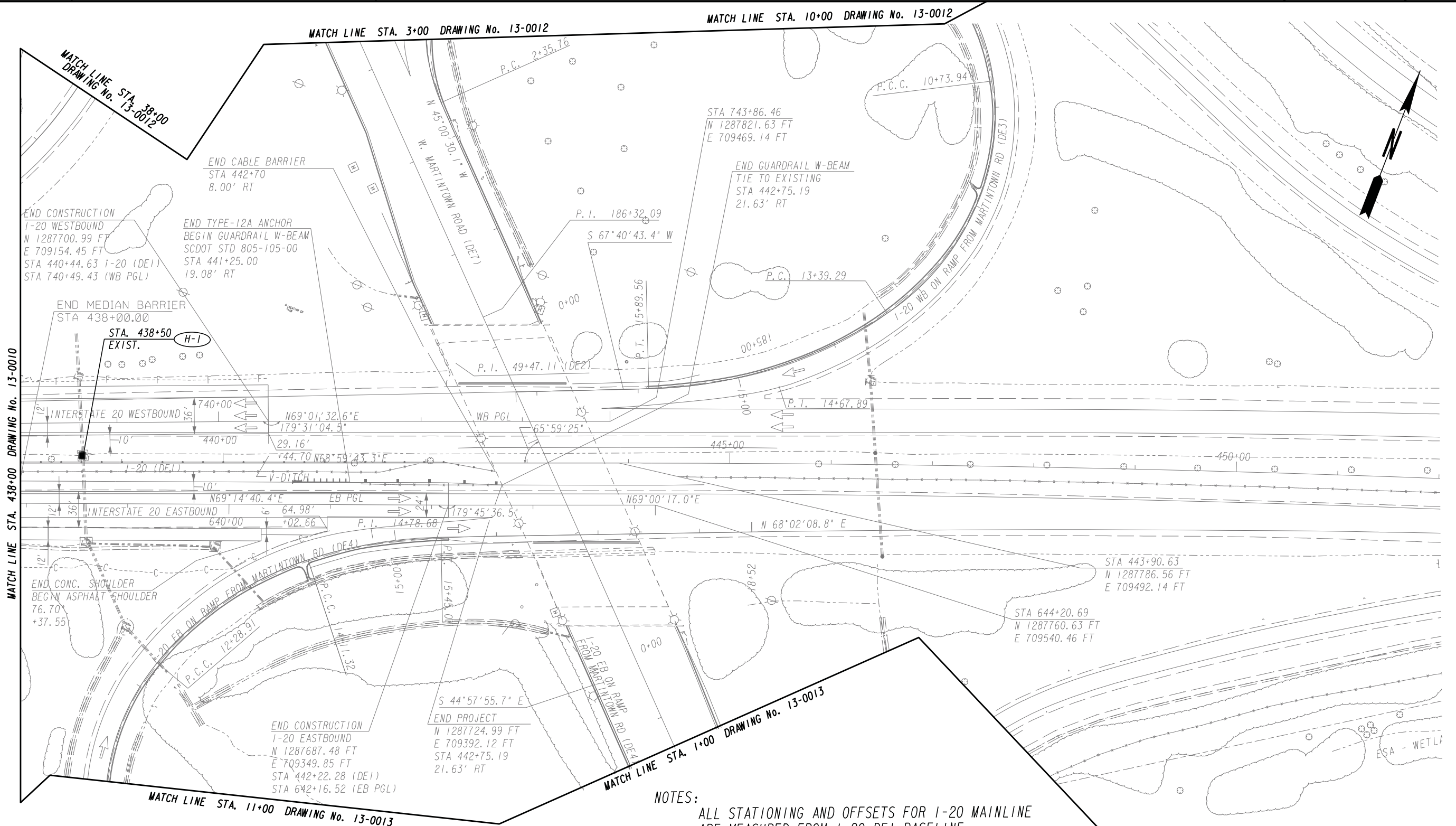
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---
EASEMENT FOR CONSTR OF SLOPES	---
EASEMENT FOR CONSTR OF DRIVES	---

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)	---



REVISION DATES	

CONSTRUCTION PLAN		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0010A
CORRECTED:	DATE:	
VERIFIED:	DATE:	



NOTES:
 ALL STATIONING AND OFFSETS FOR I-20 MAINLINE ARE MEASURED FROM I-20 DEI BASELINE
 ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN THE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS

COSTING PLANS
 NOT FOR CONSTRUCTION

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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ARCADIS Design & Consultancy for natural and built assets

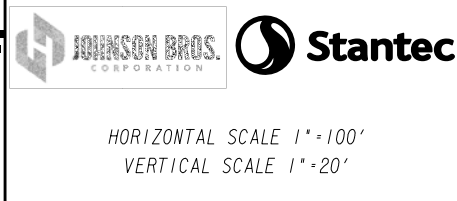
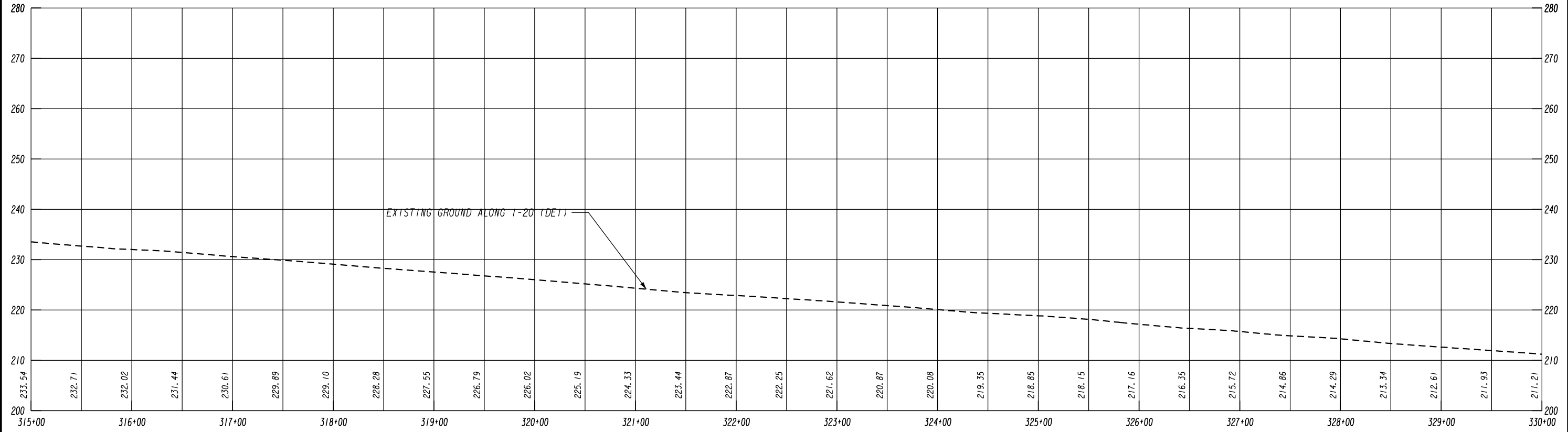
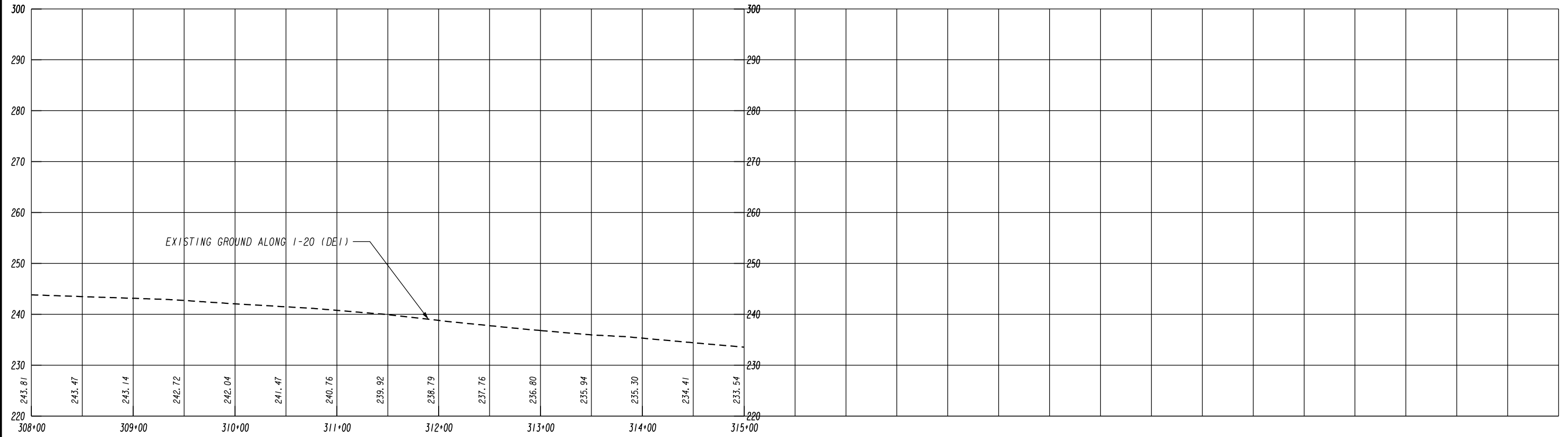
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REVISION DATES	

CONSTRUCTION PLAN

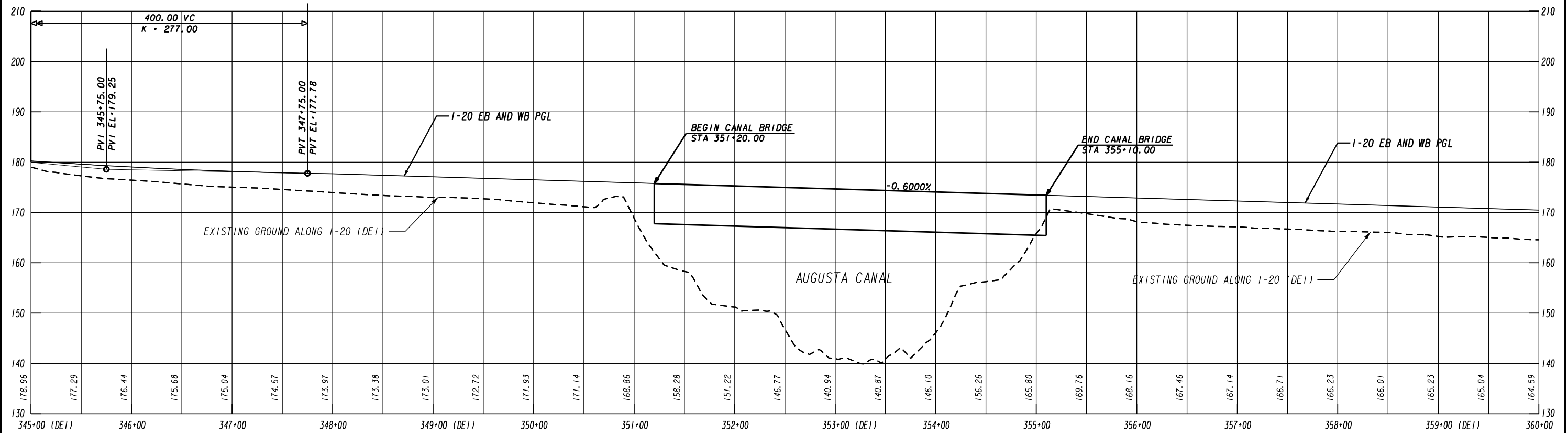
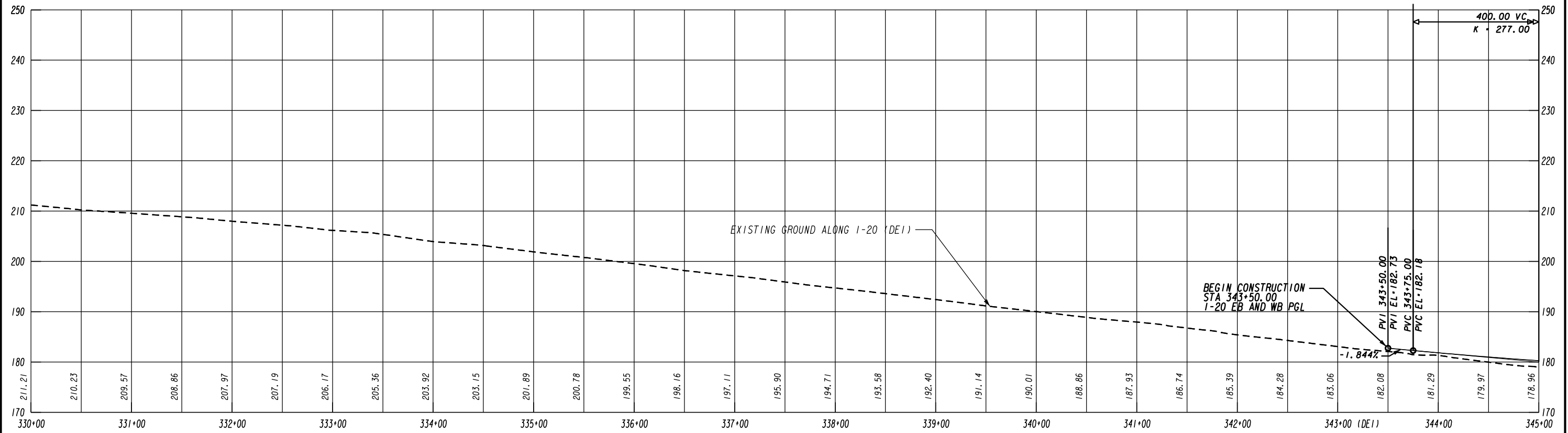
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CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0011A
CORRECTED:	DATE:	
VERIFIED:	DATE:	



REVISION DATES	

I-20 EASTBOUND & WESTBOUND PROFILE		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



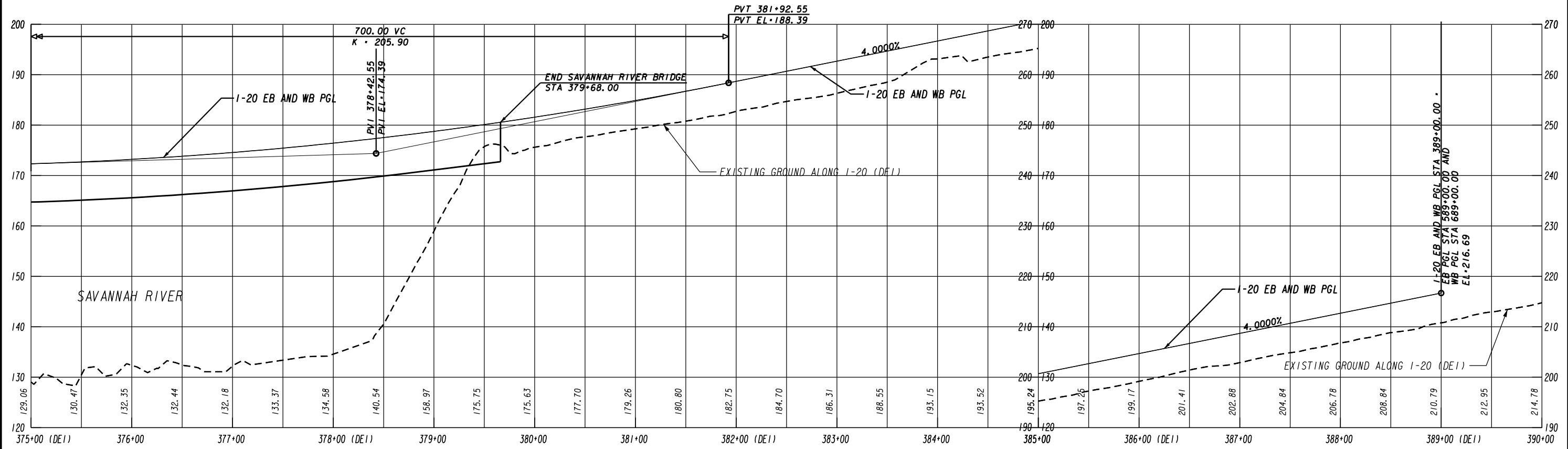
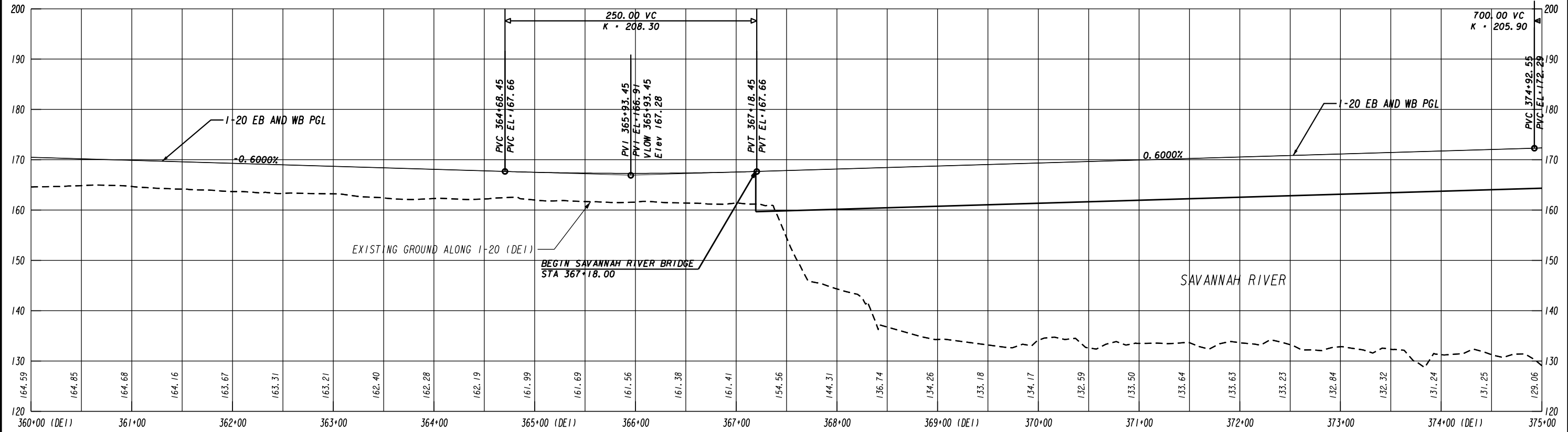
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VERTICAL SCALE 1"=20'

REVISION DATES

I-20 EASTBOUND & WESTBOUND PROFILE

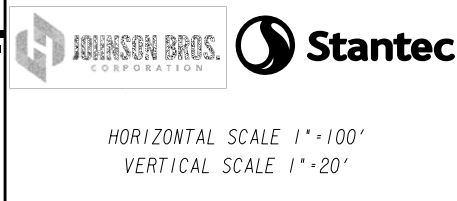
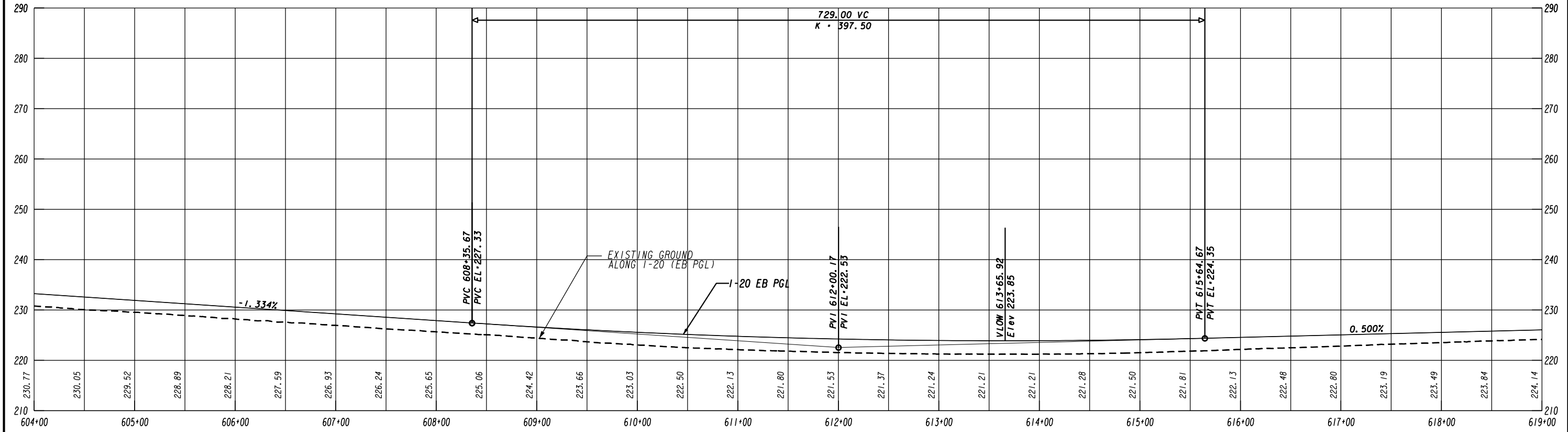
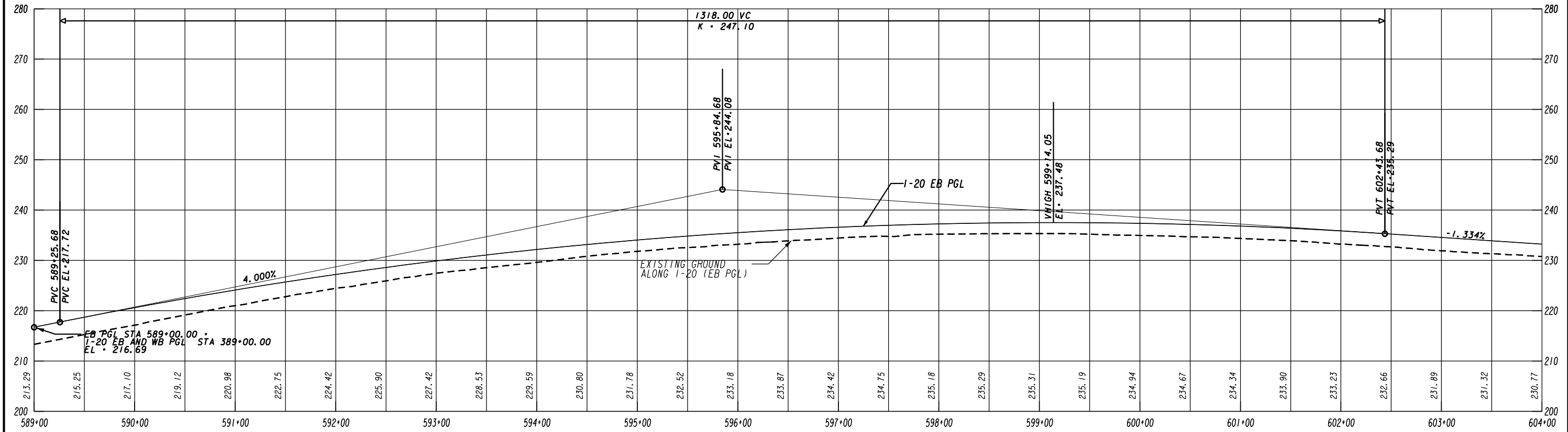
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

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BACKCHECKED:	DATE:	15-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



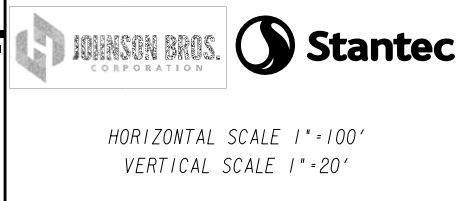
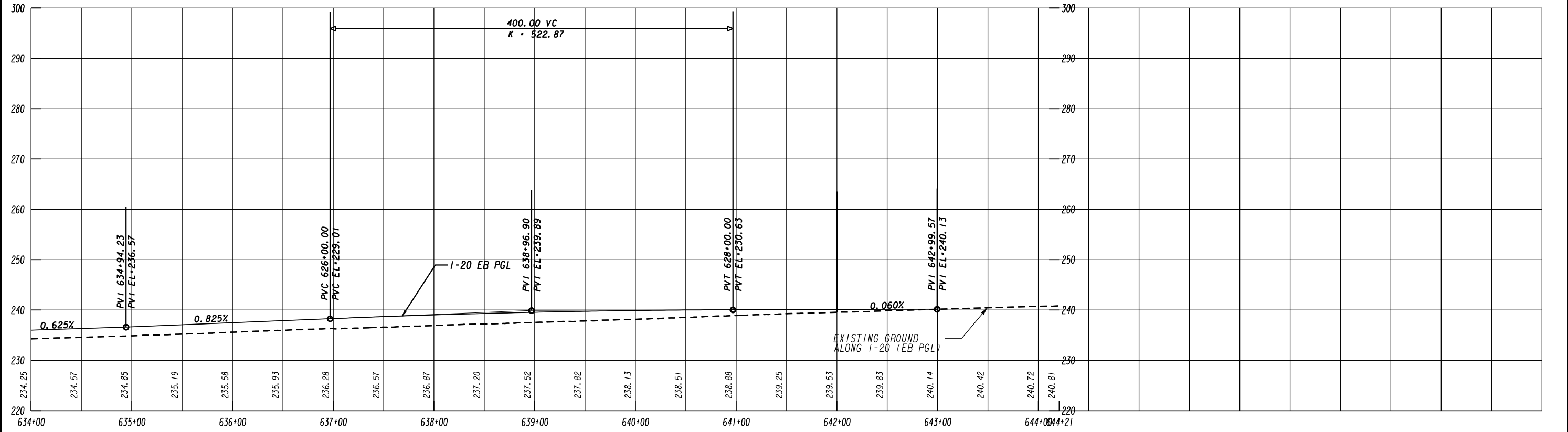
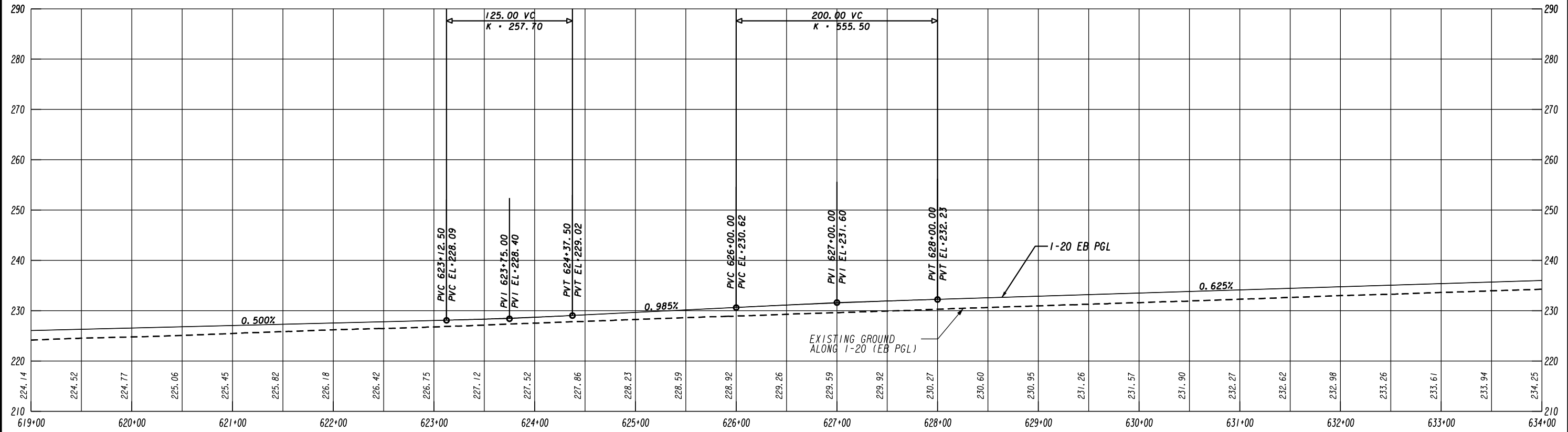
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VERTICAL SCALE 1"=20'

REVISION DATES		I-20 EASTBOUND & WESTBOUND PROFILE	
		I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	15-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



HORIZONTAL SCALE 1"=100'
VERTICAL SCALE 1"=20'

REVISION DATES		I-20 EASTBOUND PROFILE	
		I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	15-0004	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

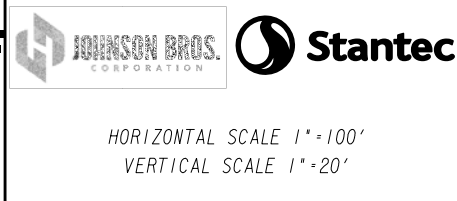
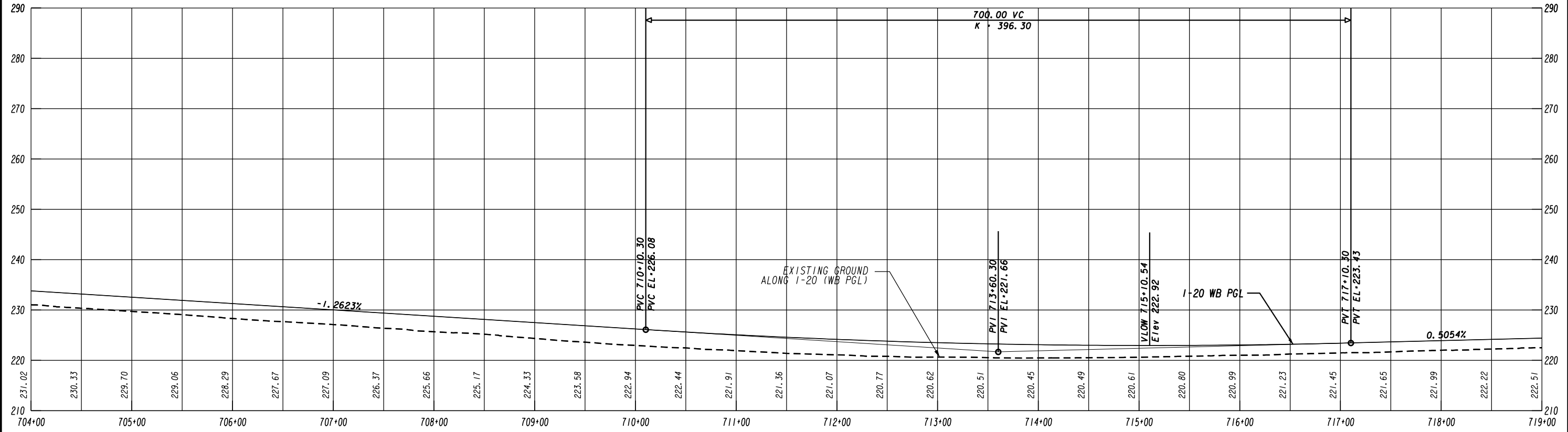
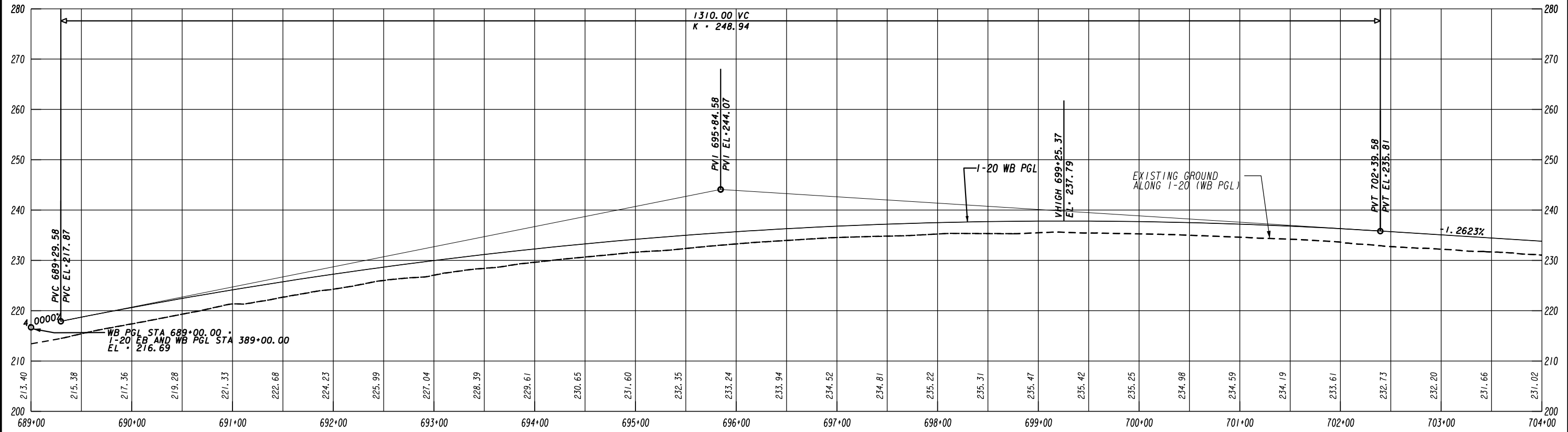


REVISION DATES	

MAINLINE PROFILE

I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



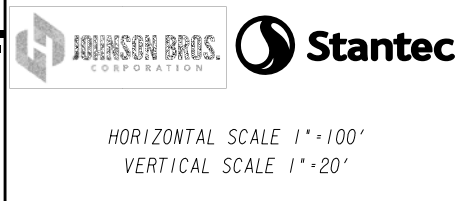
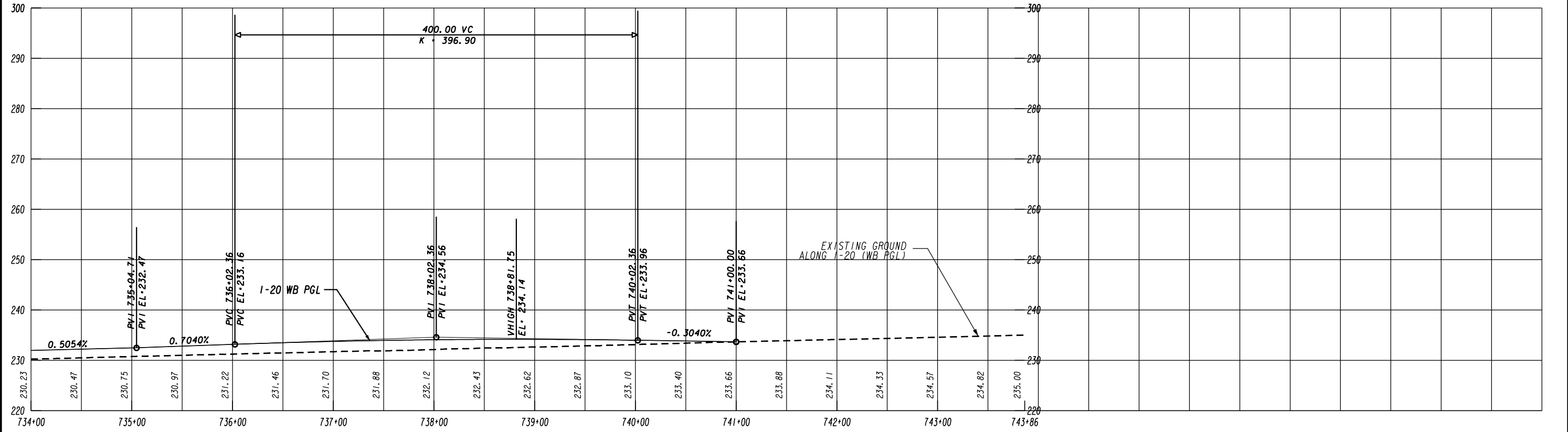
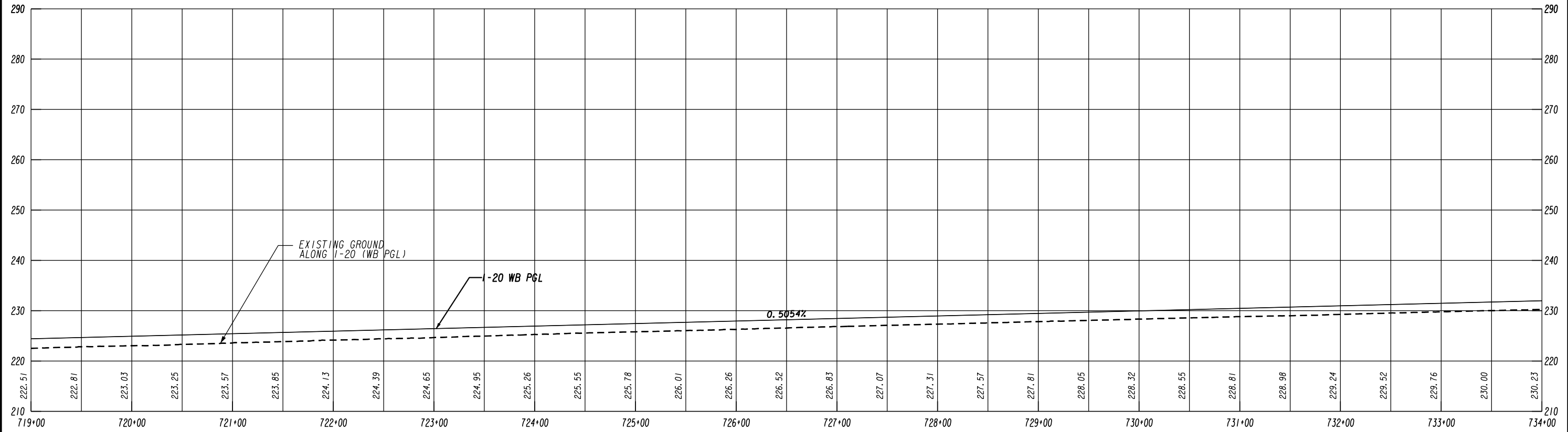
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VERTICAL SCALE 1"=20'

REVISION DATES	

I-20 WESTBOUND PROFILE

I-20 BRIDGE REPLACEMENT AT SAVAANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	



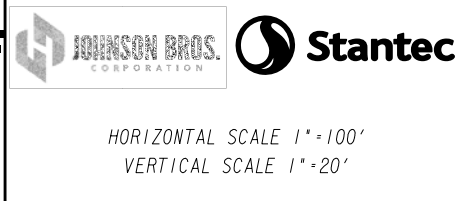
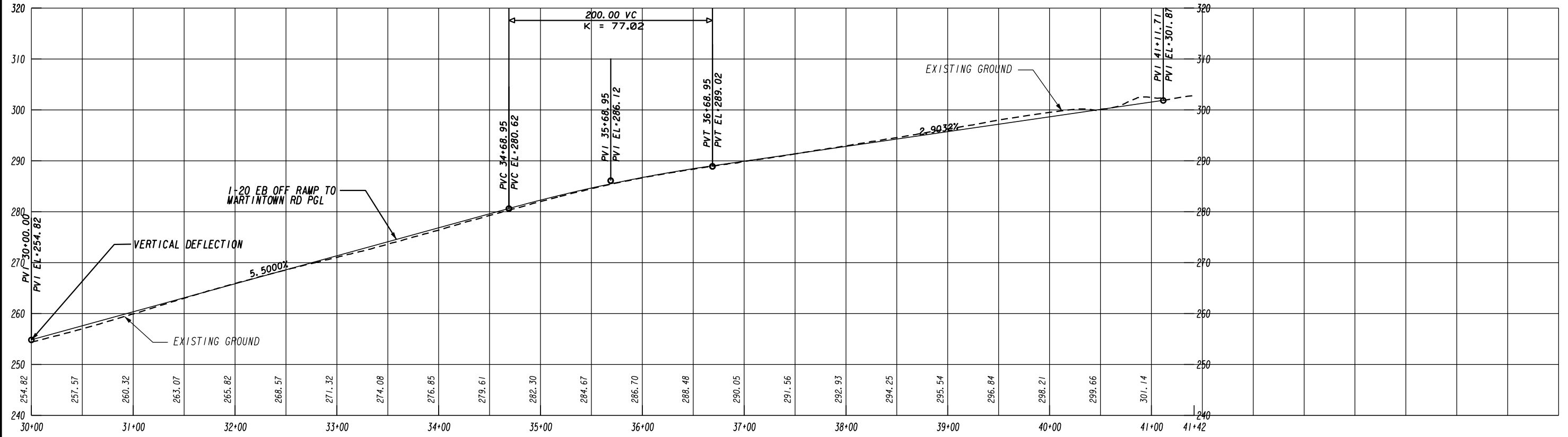
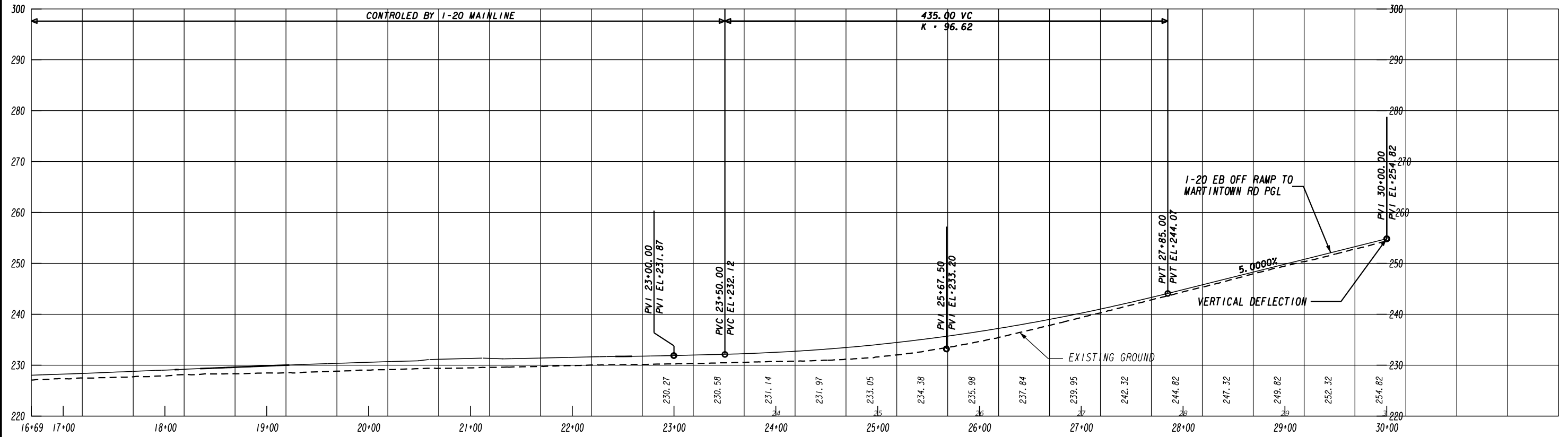
HORIZONTAL SCALE 1"=100'
VERTICAL SCALE 1"=20'

REVISION DATES	

I-20 WESTBOUND PROFILE

I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	



HORIZONTAL SCALE 1"=100'
VERTICAL SCALE 1"=20'

REVISION DATES	

EB OFF RAMP AT MARTINTOWN RD PROFILE		
I-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	15-0008
CORRECTED:	DATE:	
VERIFIED:	DATE:	

PRE-PHASE 1:
 AS SHOWN IN THE PHASE 1 PLANS PLACE
 TEMPORARY PAVEMENT/OVERBUILD, TEMPORARY PAVEMENT MARKINGS,
 TEMPORARY BARRIER WALL REQUIRED FOR THE PHASE 1 LANE CONFIGURATION.






PHASE 1:
 DIVERT TRAFFIC FROM THE EXISTING LANE CONFIGURATION TO THE OUTSIDE AS SHOWN IN THE PHASE 1 PLANS.
 CONSTRUCT THE PROPOSED MAINLINE AND BRIDGE WITHIN THE WORK ZONE LIMITS SHOWN. USE
 OVERNIGHT LANE CLOSURES WITH GDOT PERMISSION TO CONSTRUCT TEMPORARY RAMPS IN THE I-20 WESTBOUND DIRECTION
 TO ACCOMODATE TRAFFIC COMING ON AND OFF RAMPS IN PHASE 2.

PHASE 2:
 UPON COMPLETION OF PHASE 1, ADJUST THE PHASE 1 WESTBOUND LANE CONFIGURATION
 TO THAT SHOWN IN PHASE 2 OF THE PLANS AND COMPLETE THE CONSTRUCTION OF THE WESTBOUND SEGMENT OF I-20 MAINLINE.
 USE OVERNIGHT LANE CLOSURES WITH GDOT AND SCDOT PERMISSION TO CONSTRUCT TEMPORARY RAMPS IN THE I-20 EASTBOUND
 DIRECTION TO ACCOMODATE TRAFFIC COMING ON AND OFF RAMPS IN PHASE 3.

PHASE 3:
 UPON COMPLETION OF PHASE 2, ADJUST THE PHASE 2 EASTBOUND LANE CONFIGURATION TO THAT SHOWN IN PHASE 3
 OF THE PLANS AND COMPLETE THE CONSTRUCTION OF THE EASTBOUND SEGMENT OF THE I-20 MAINLINE.

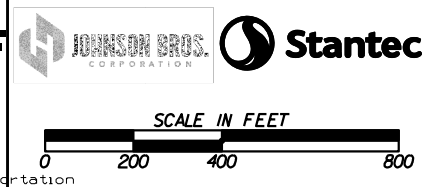
PHASE 4:
 THE INTENT OF PHASE 4 IS TO CONSTRUCT MEDIAN BARRIER WALL ALONG THE MAINLINE SEGMENTS WHERE IT COULD NOT BE CONSTRUCTED
 IN PHASE 1. REMOVE ALL TEMPORARY PAVEMENT PLACED IN THE MEDIAN TO ACCOMODATE PHASE 2 & 3.

TTCP LEGEND

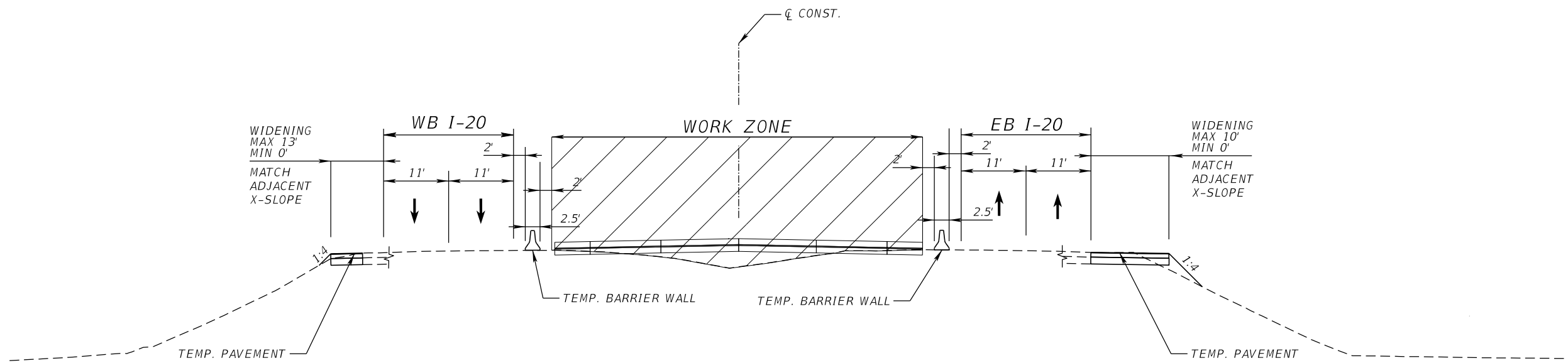
-  DIRECTION OF TRAFFIC
-  TEMPORARY CONCRETE BARRIER WALL (TBW)
-  LIMITS OF WORK ZONE IN THIS PHASE
-  TEMPORARY ASPHALT/SHOULDER OVERBUILD CONSTRUCTED IN THIS PHASE
-  TEMPORARY CRASH CUSHION (NOT TO SCALE IN PLANS)

REVISIONS
 1
 2
 3
 4

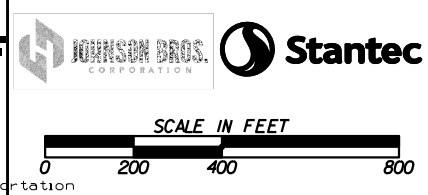
REVISIONS
 1
 2
 3
 4



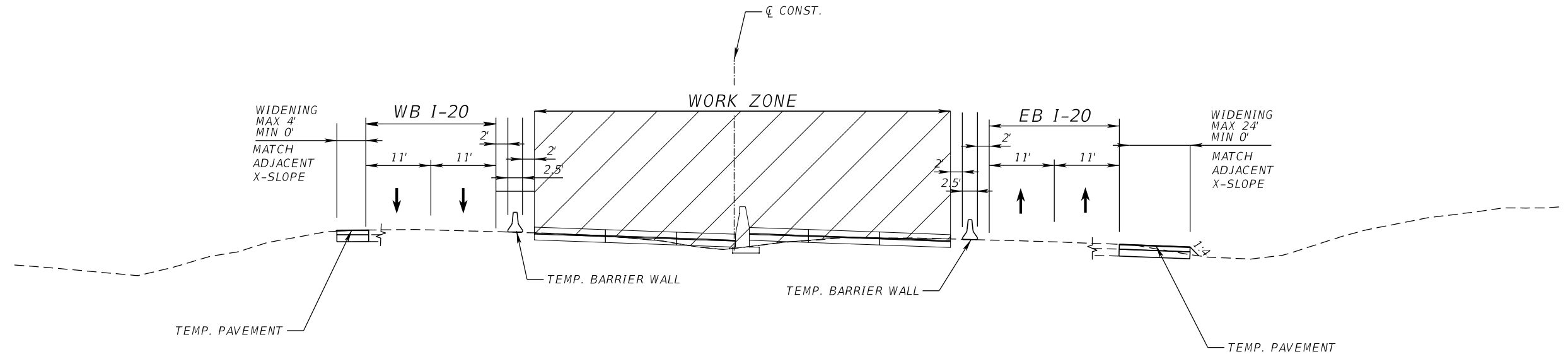
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			CHECKED:	DATE
			BACKCHECKED:	DATE
			CORRECTED:	DATE
			VERIFIED:	DATE
DRAWING NO.				19-0001



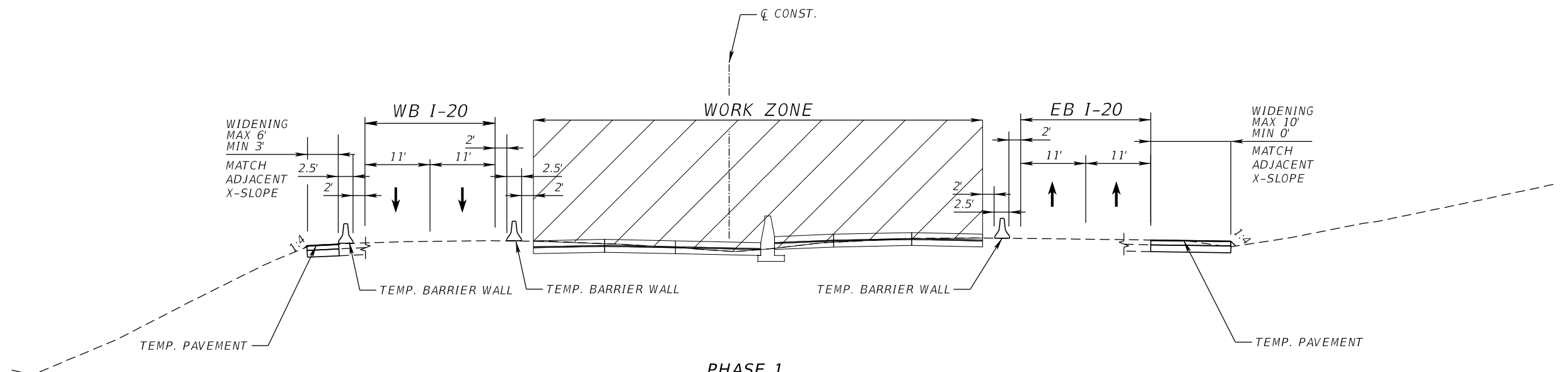
PHASE 1
 I-20
 STATE OF GA STA. 343+85.00 TO
 STATE OF SC STA. 396+19.00 WB
 STATE OF SC STA. 398+09.88 EB



REVISION DATES			MOT/STAGING PLANS	
			CHECKED:	DATE
			BACKCHECKED:	DATE
			CORRECTED:	DATE
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DRAWING NO.				19-0002

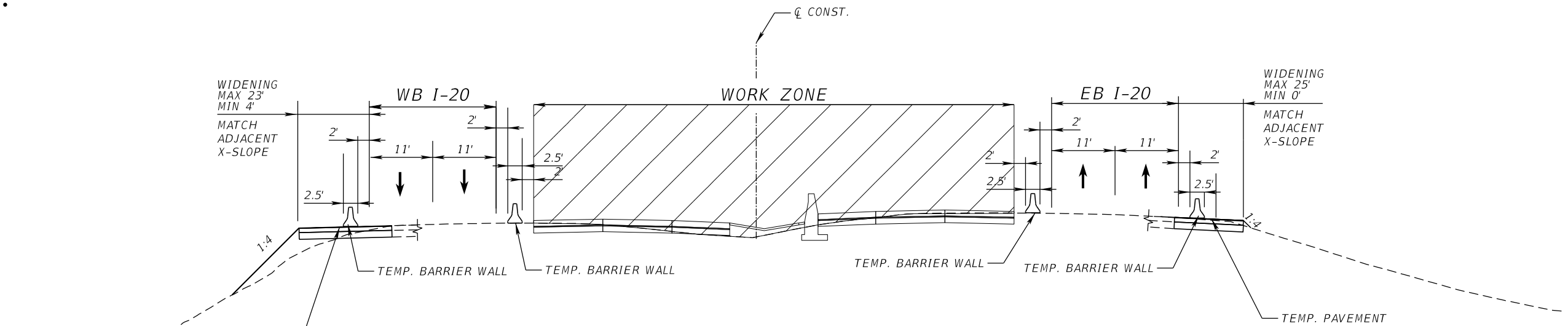


PHASE 1
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STATE OF SC STA. 396+19.00 TO STA. 413+45.63 WB
STATE OF SC STA. 398+09.88 TO STA. 414+06.03 EB

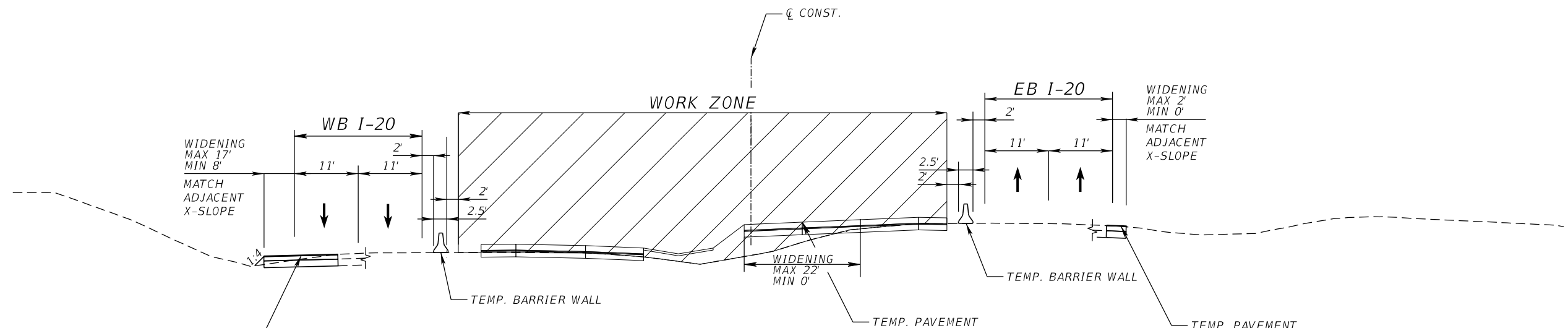


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STATE OF SC STA. 414+06.03 TO STA. 417+92.75 EB

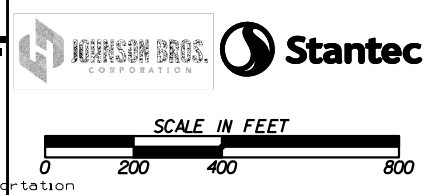
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PHASE 1
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 STATE OF SC STA. 417+92.75 TO STA. 438+00.00 WB
 STATE OF SC STA. 417+92.75 TO STA. 438+00.00 EB



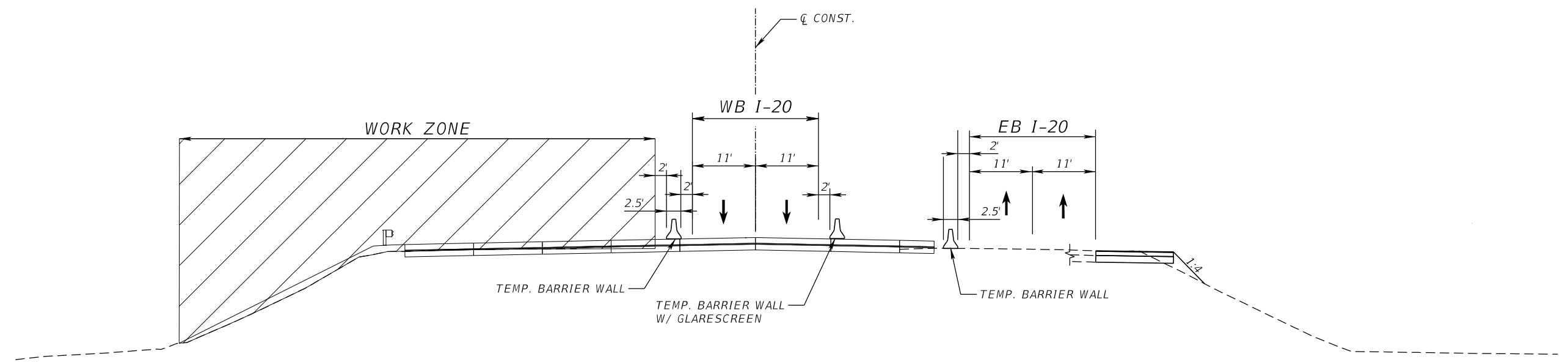
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I-20
 STATE OF SC STA. 438+00.00 TO STA. 440+44.63 WB
 STATE OF SC STA. 438+00.00 TO STA. 442+22.28 EB



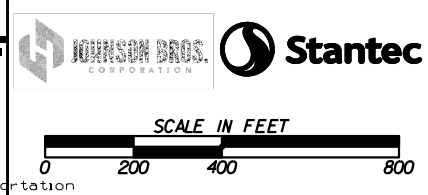
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MOT/STAGING PLANS

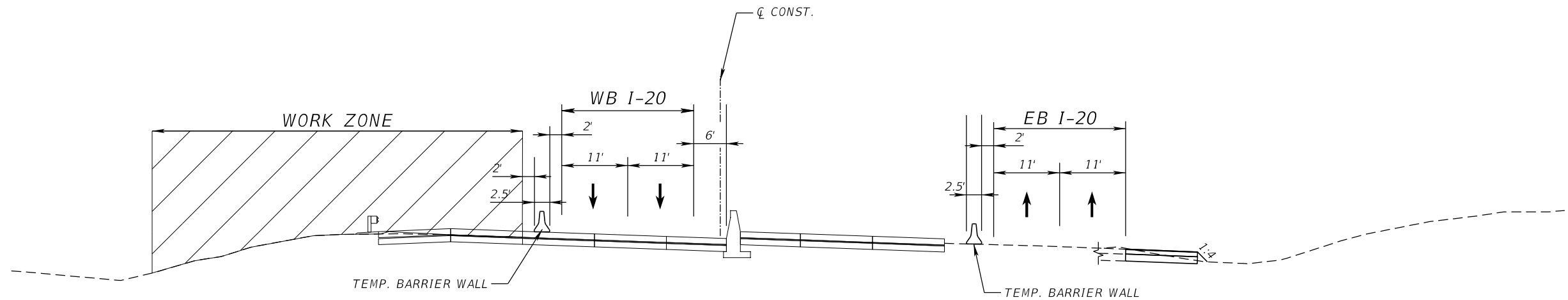
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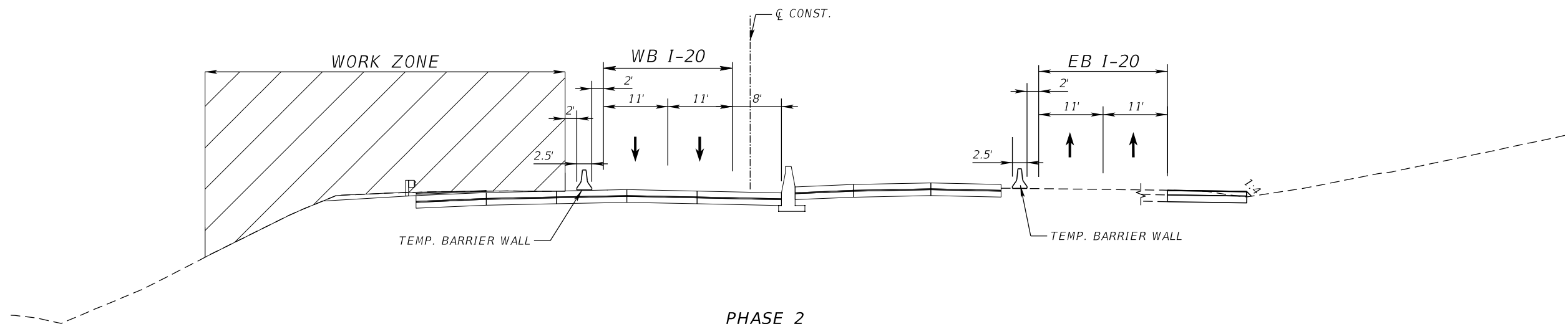
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 STATE OF SC STA. 398+09.88 EB



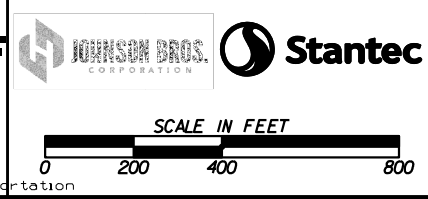
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DRAWING NO.				19-0005



PHASE 2
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STATE OF SC STA. 396+19.00 TO STA. 413+45.63 WB
STATE OF SC STA. 398+09.88 TO STA. 414+06.03 EB



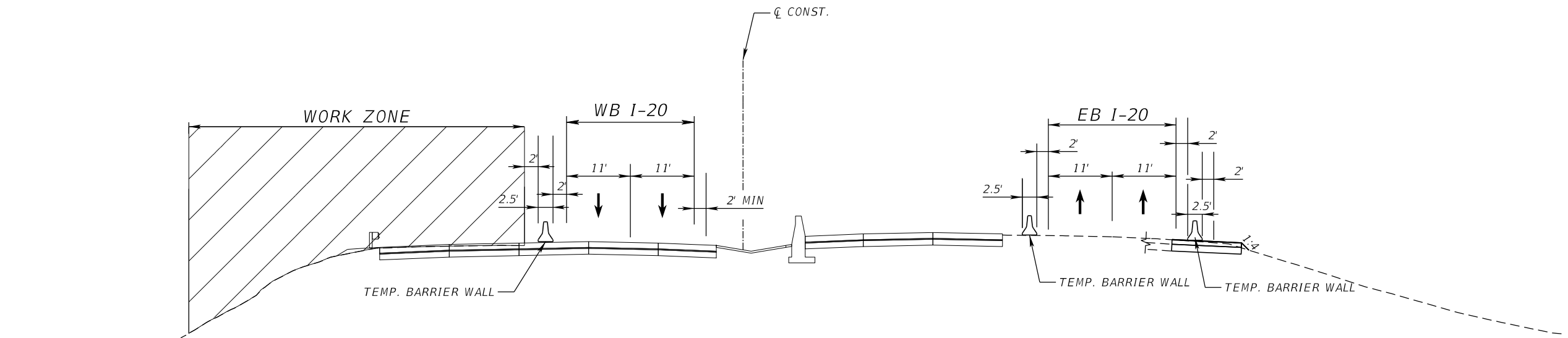
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STATE OF SC STA. 414+06.03 TO STA. 417+92.75 EB



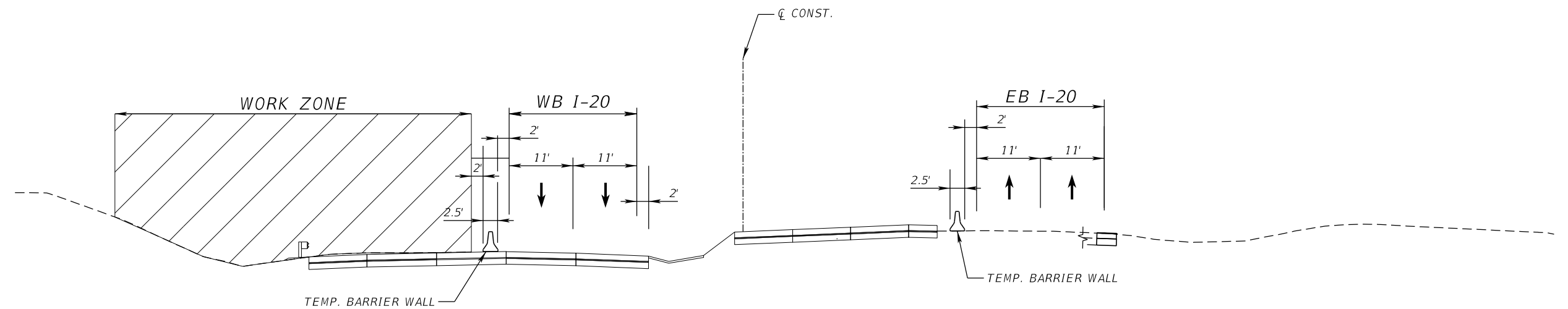
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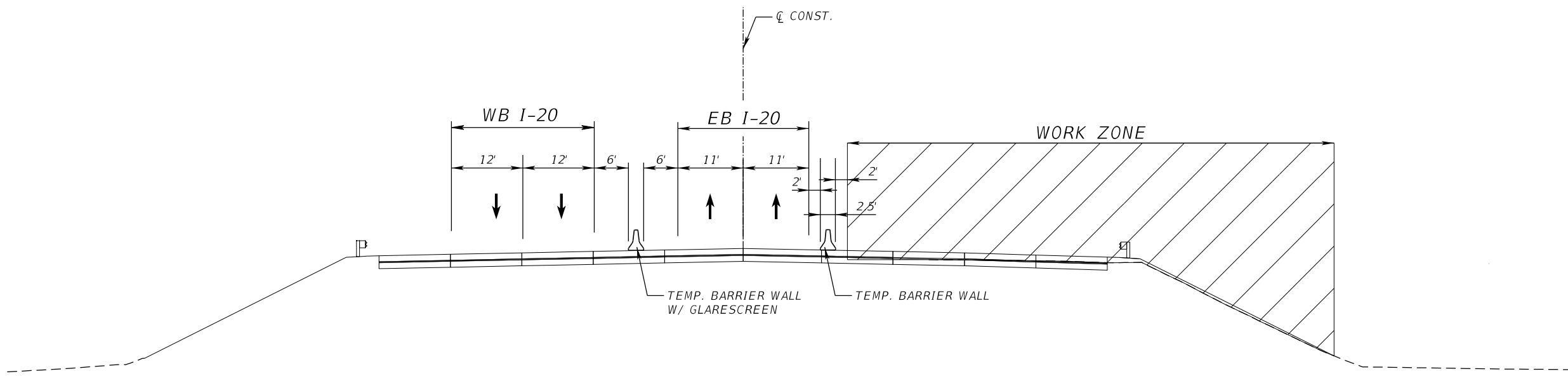
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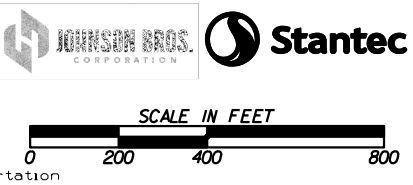
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STATE OF SC STA. 417+92.75 TO STA. 438+00.00 WB
STATE OF SC STA. 417+92.75 TO STA. 438+00.00 EB



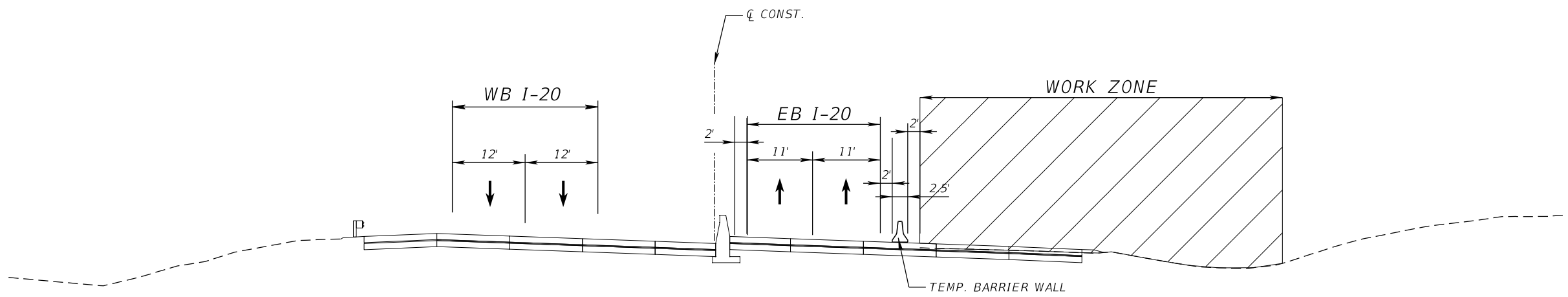
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I-20
STATE OF SC STA. 438+00.00 TO STA. 440+44.63 WB
STATE OF SC STA. 438+00.00 TO STA. 442+22.28 EB



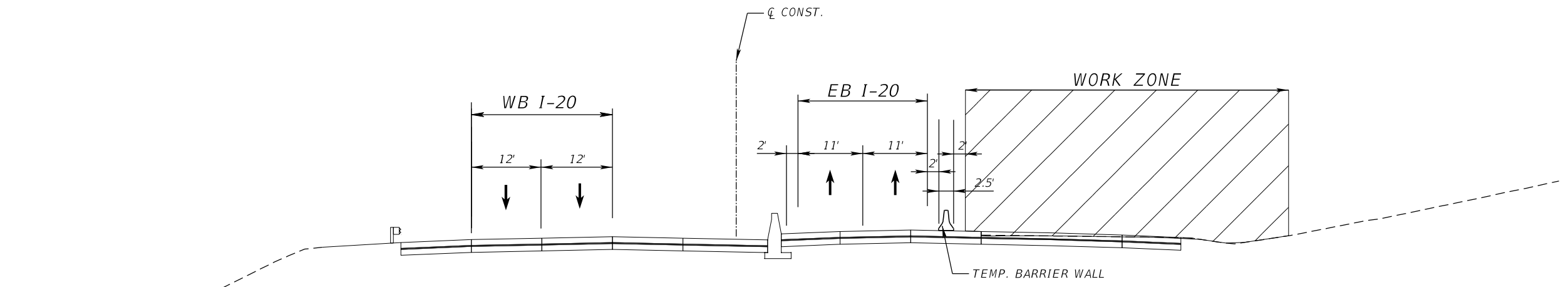
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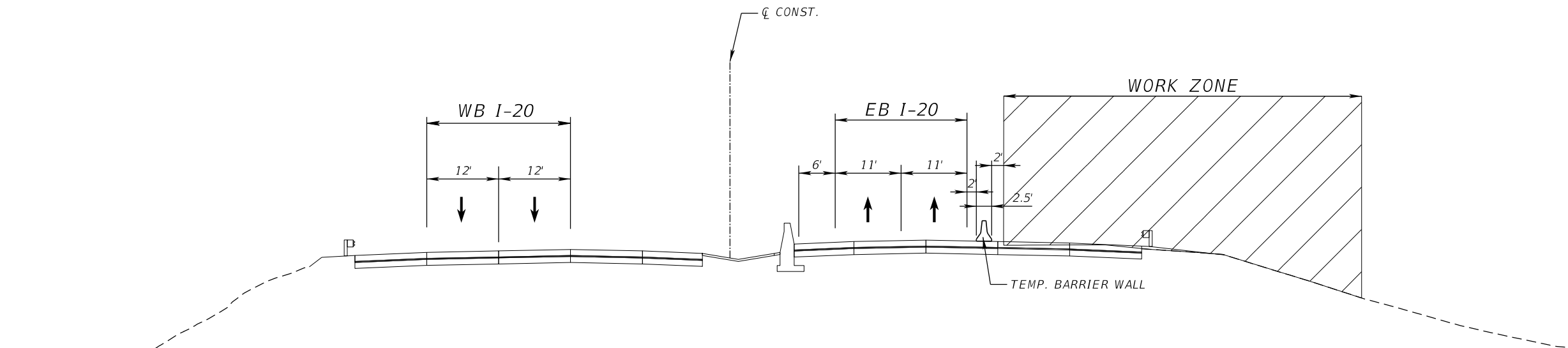
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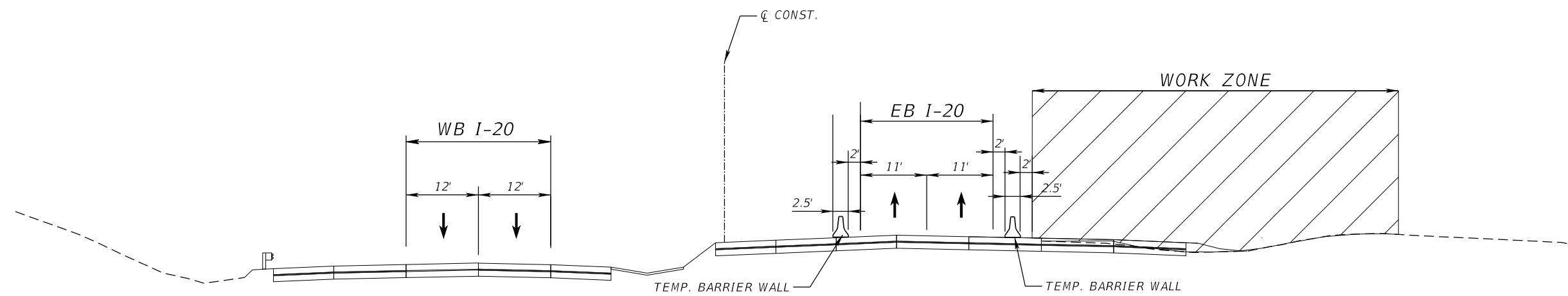
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 STATE OF SC STA. 396+19.00 TO STA. 413+45.63 WB
 STATE OF SC STA. 398+09.88 TO STA. 414+06.03 EB



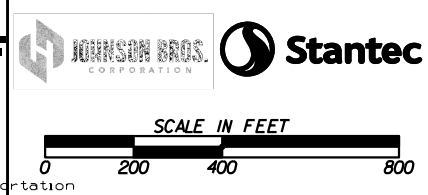
PHASE 3
I-20
 STATE OF SC STA. 413+45.63 TO STA. 417+92.75 WB
 STATE OF SC STA. 414+06.03 TO STA. 417+92.75 EB



PHASE 3
I-20
 STATE OF SC STA. 417+92.75 TO STA. 438+00.00 WB
 STATE OF SC STA. 417+92.75 TO STA. 438+00.00 EB

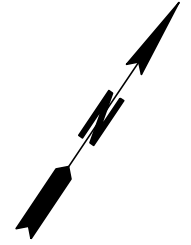
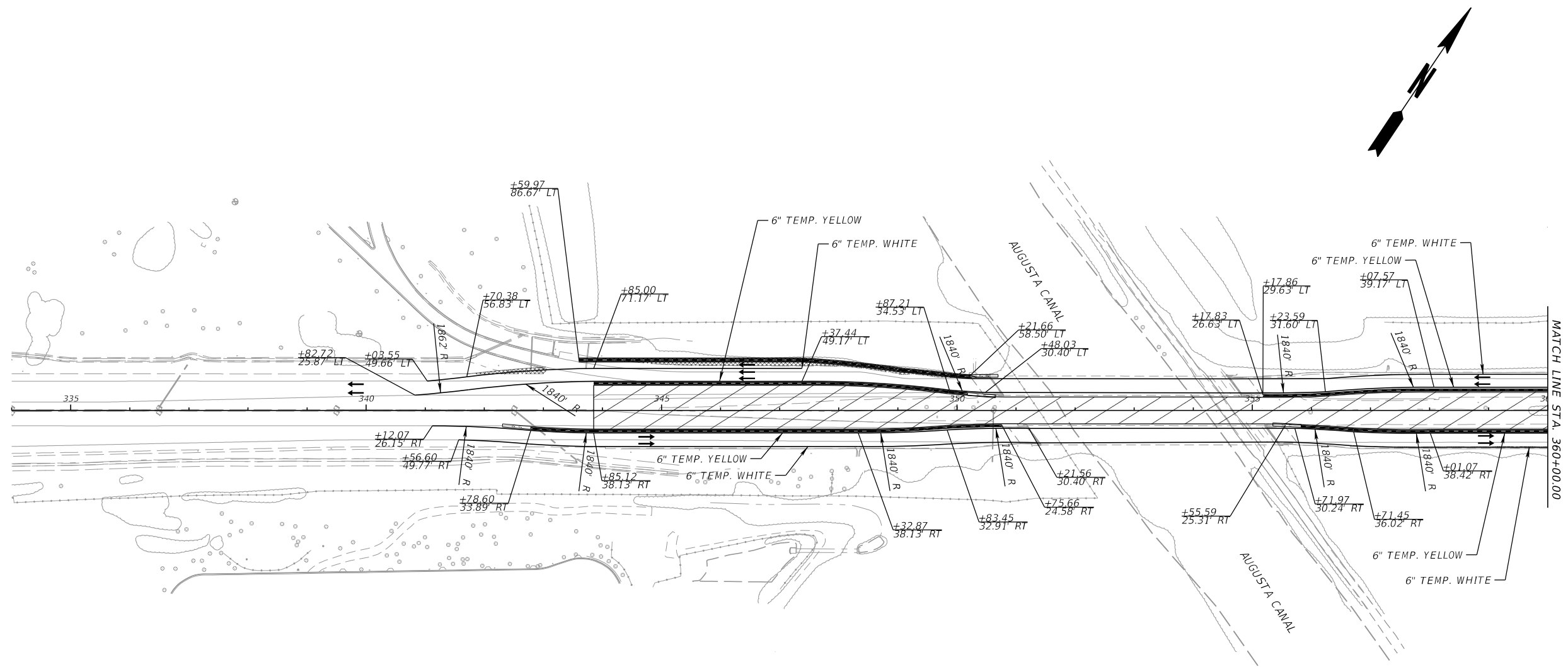


PHASE 3
I-20
 STATE OF SC STA. 438+00.00 TO STA. 440+44.63 WB
 STATE OF SC STA. 438+00.00 TO STA. 442+22.28 EB



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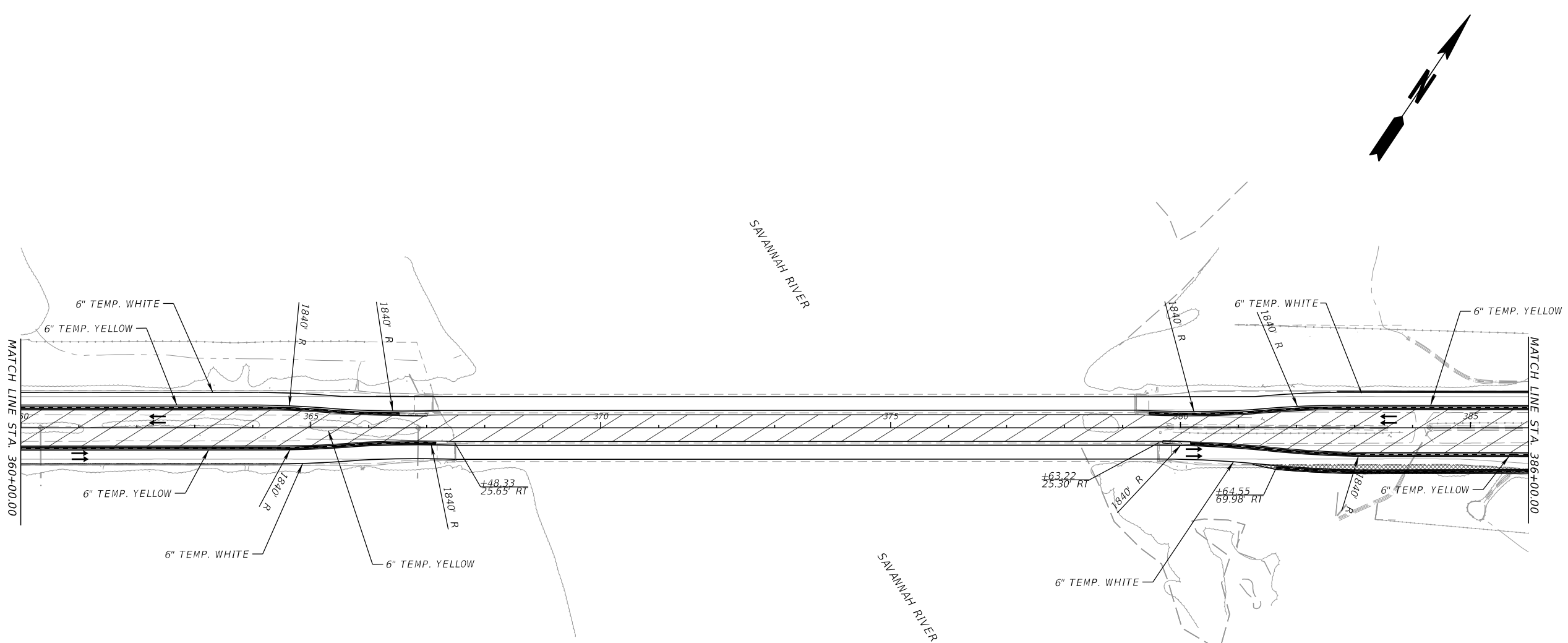


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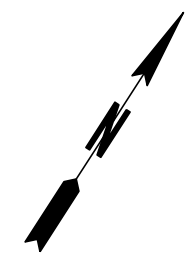
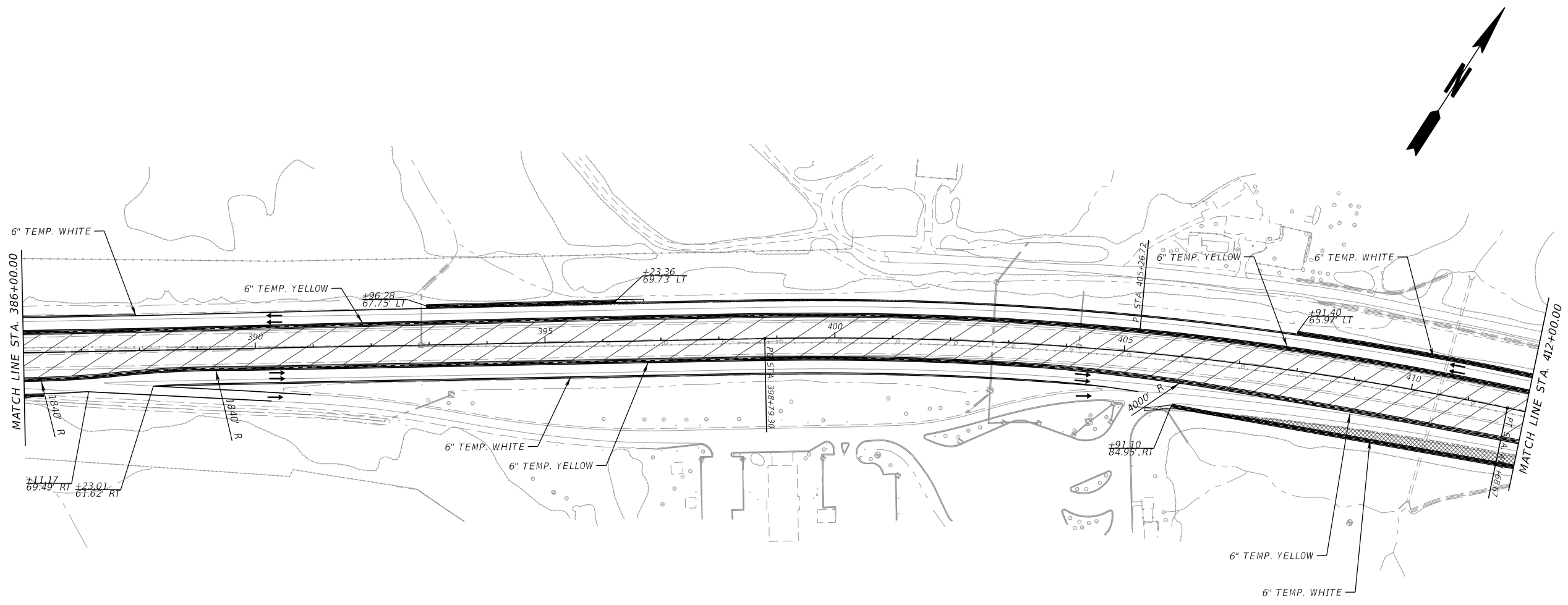
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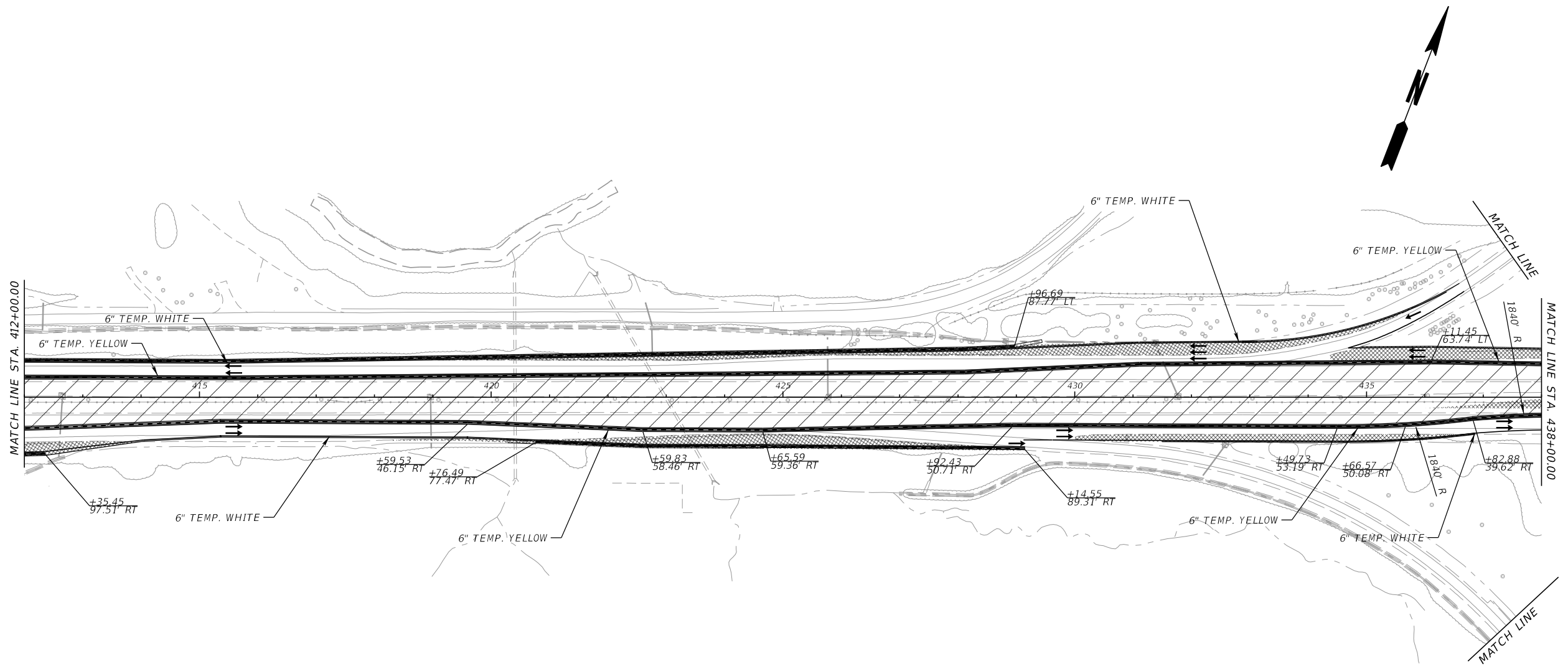


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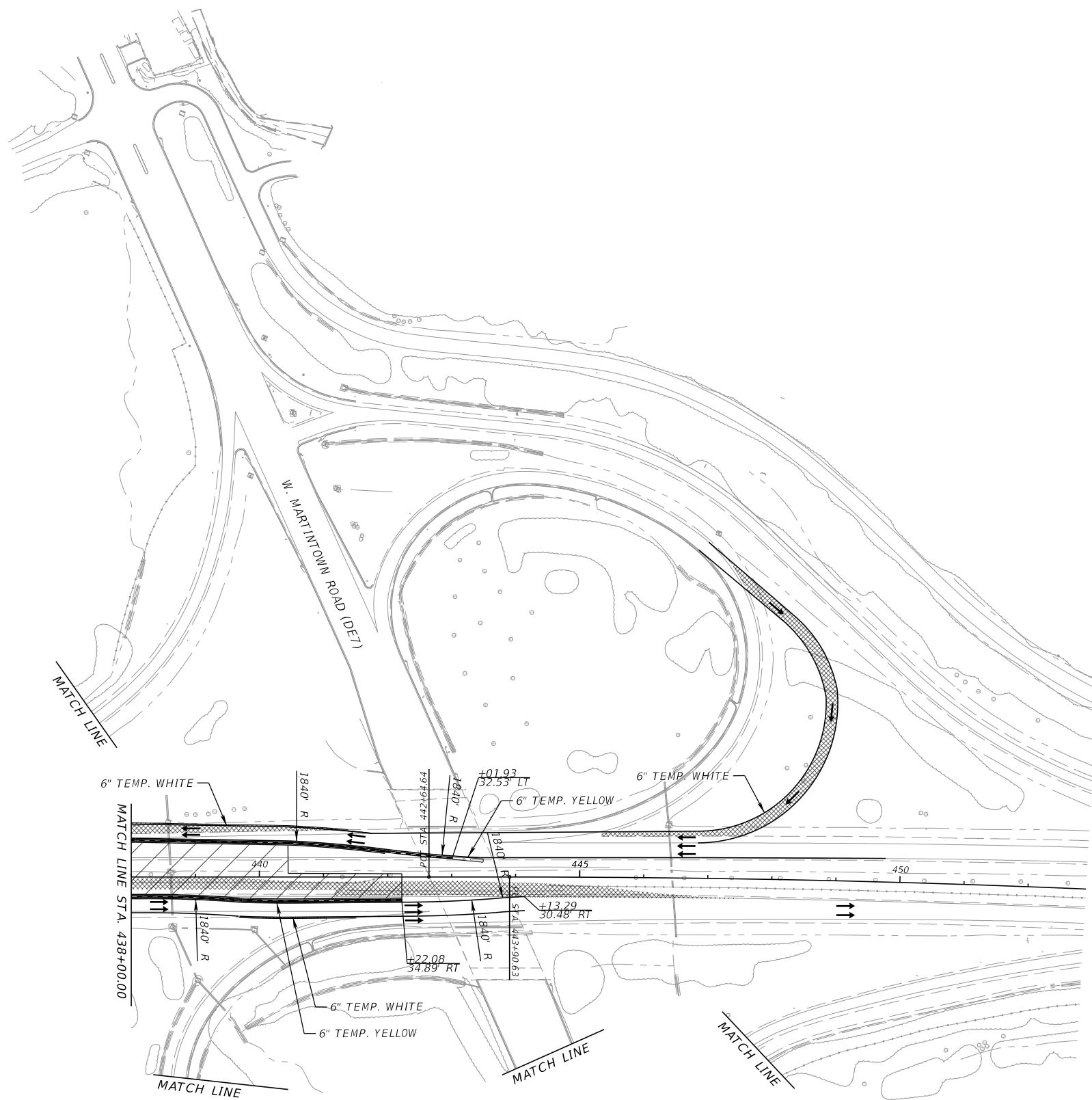
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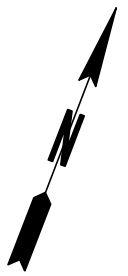
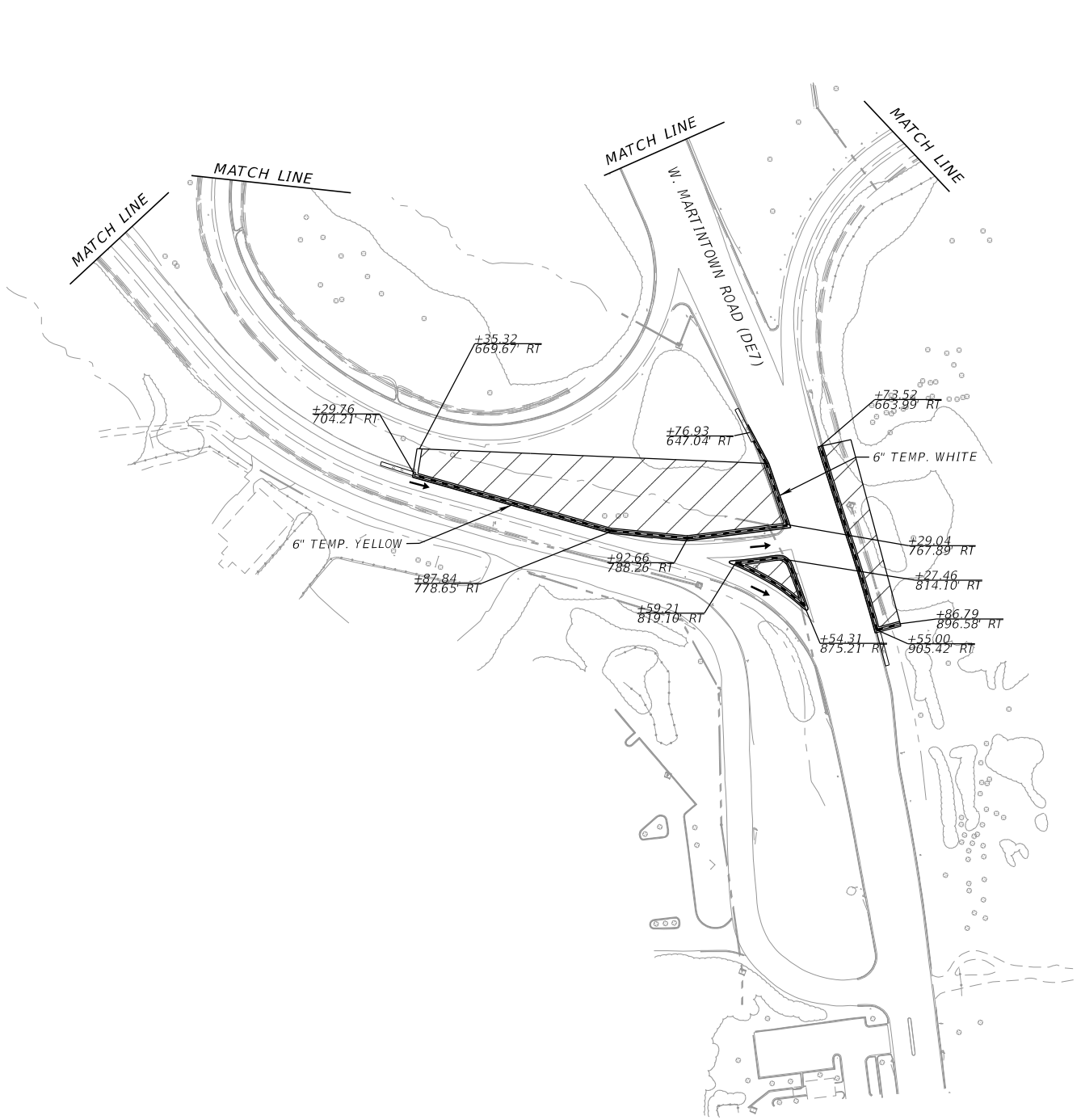
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MORGAN ENGINEERS CORPORATION **Stantec**
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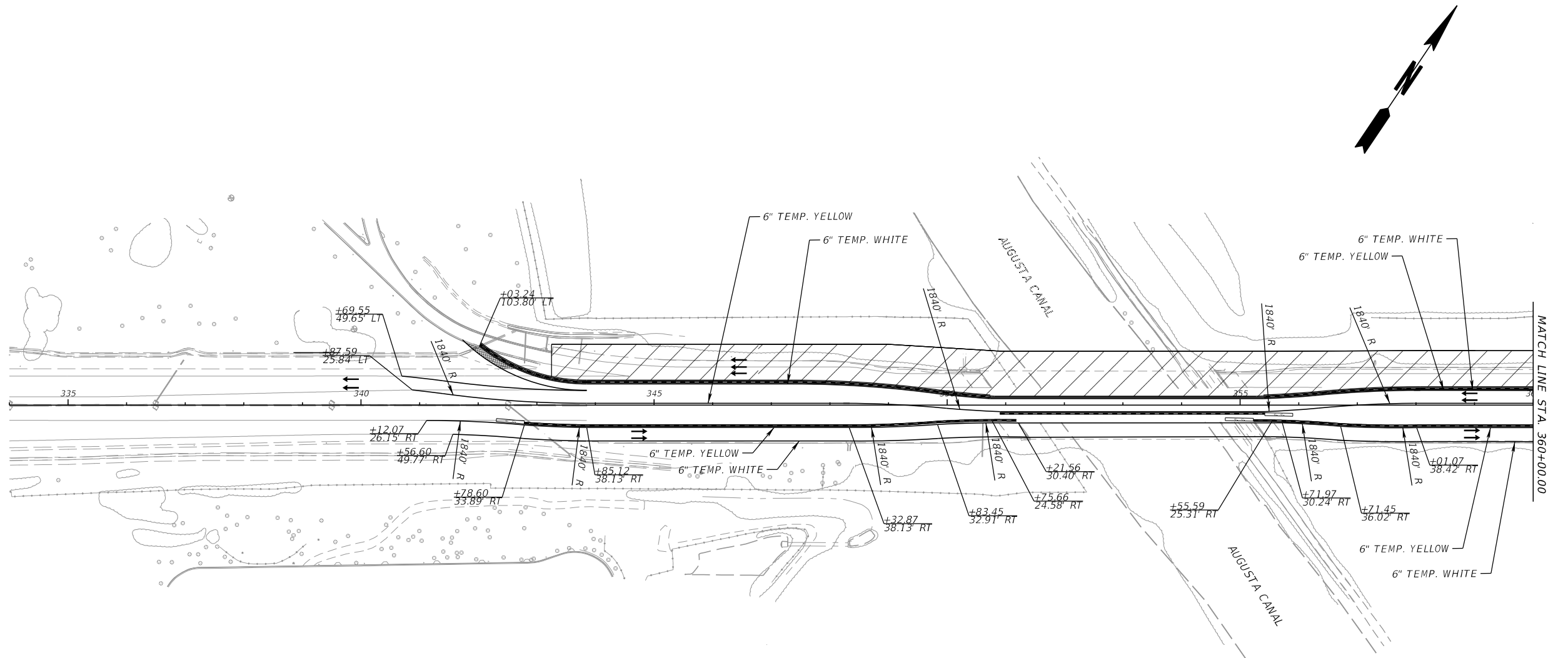
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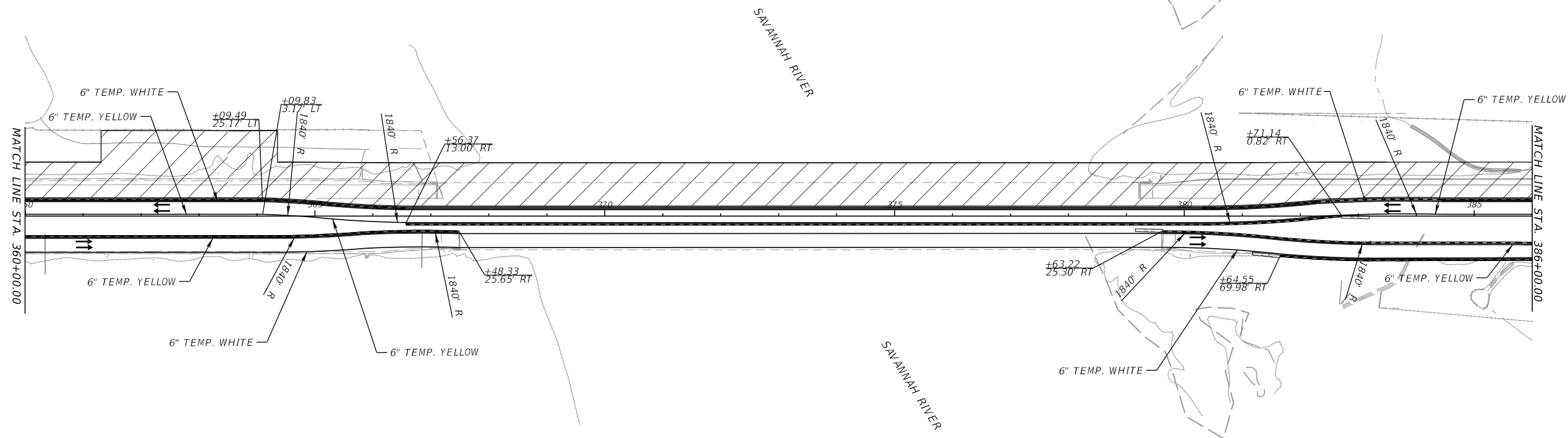
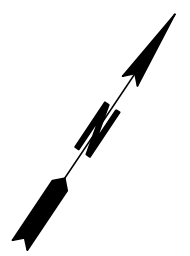
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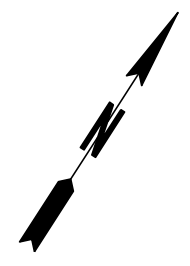
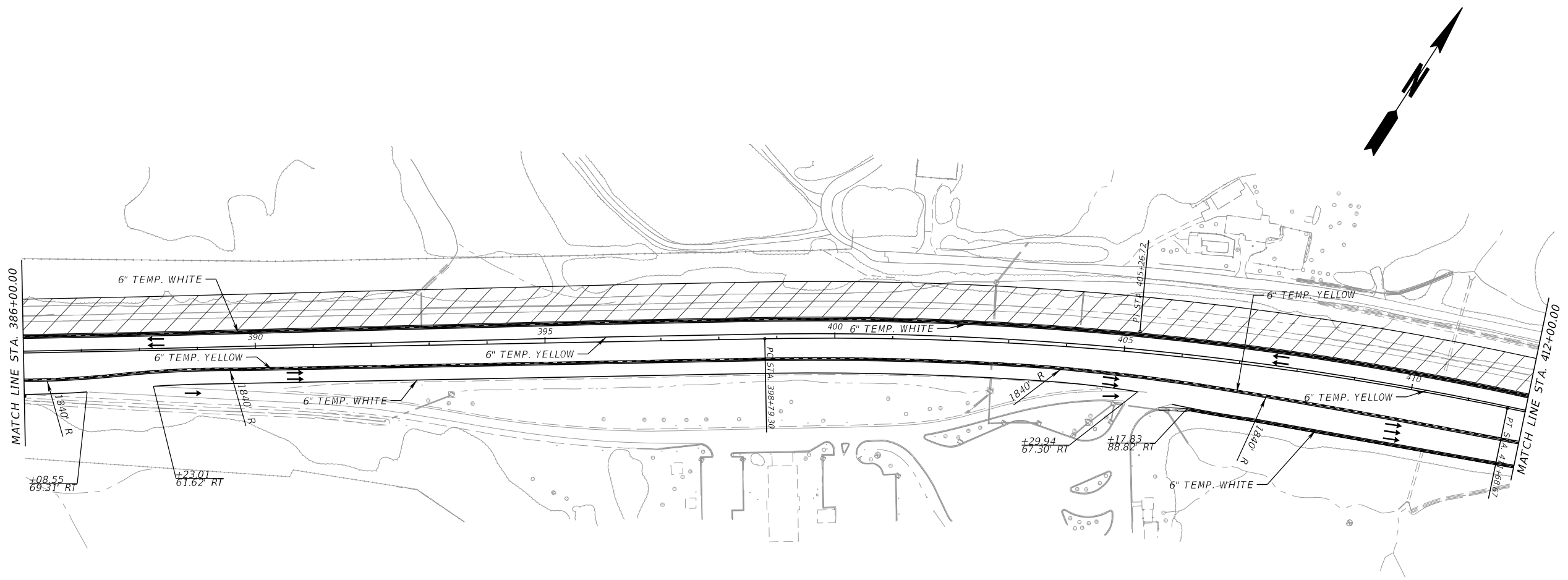
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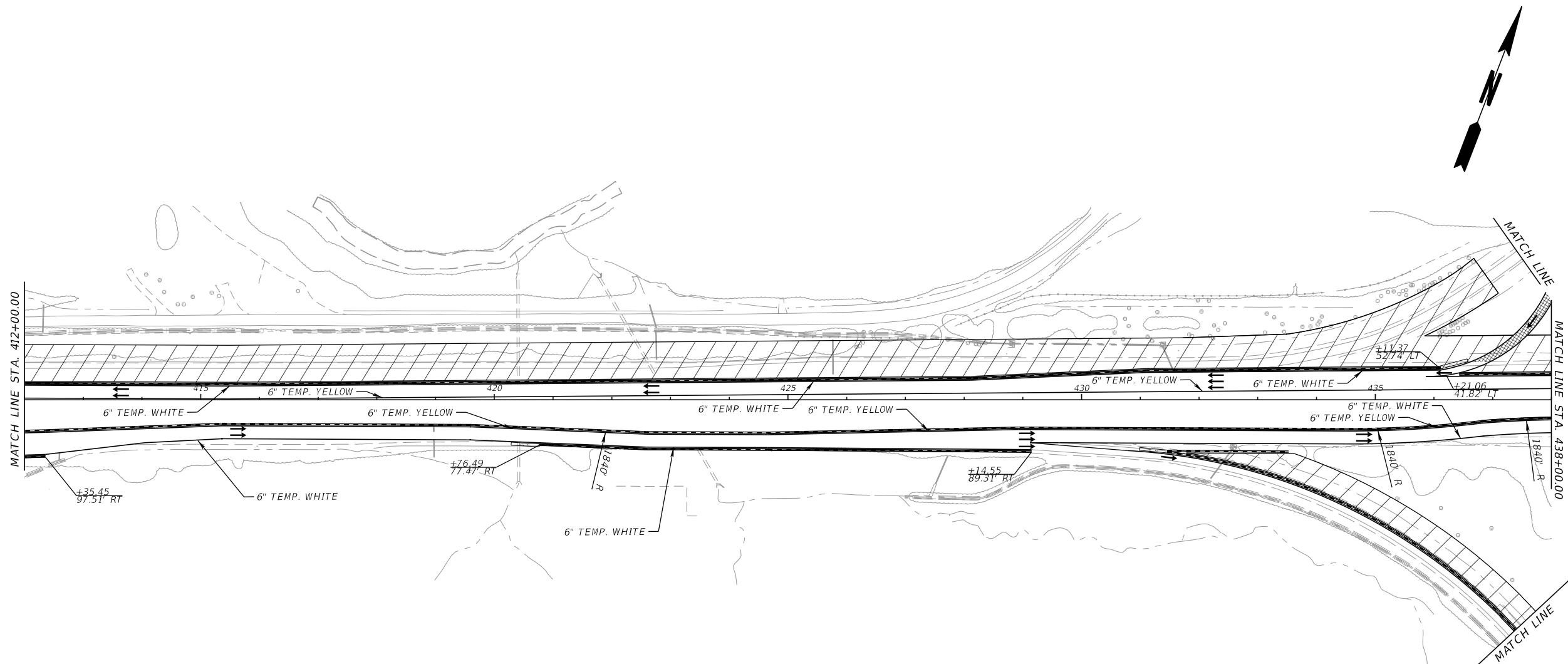
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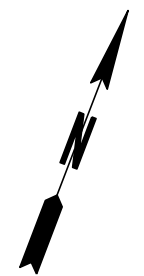
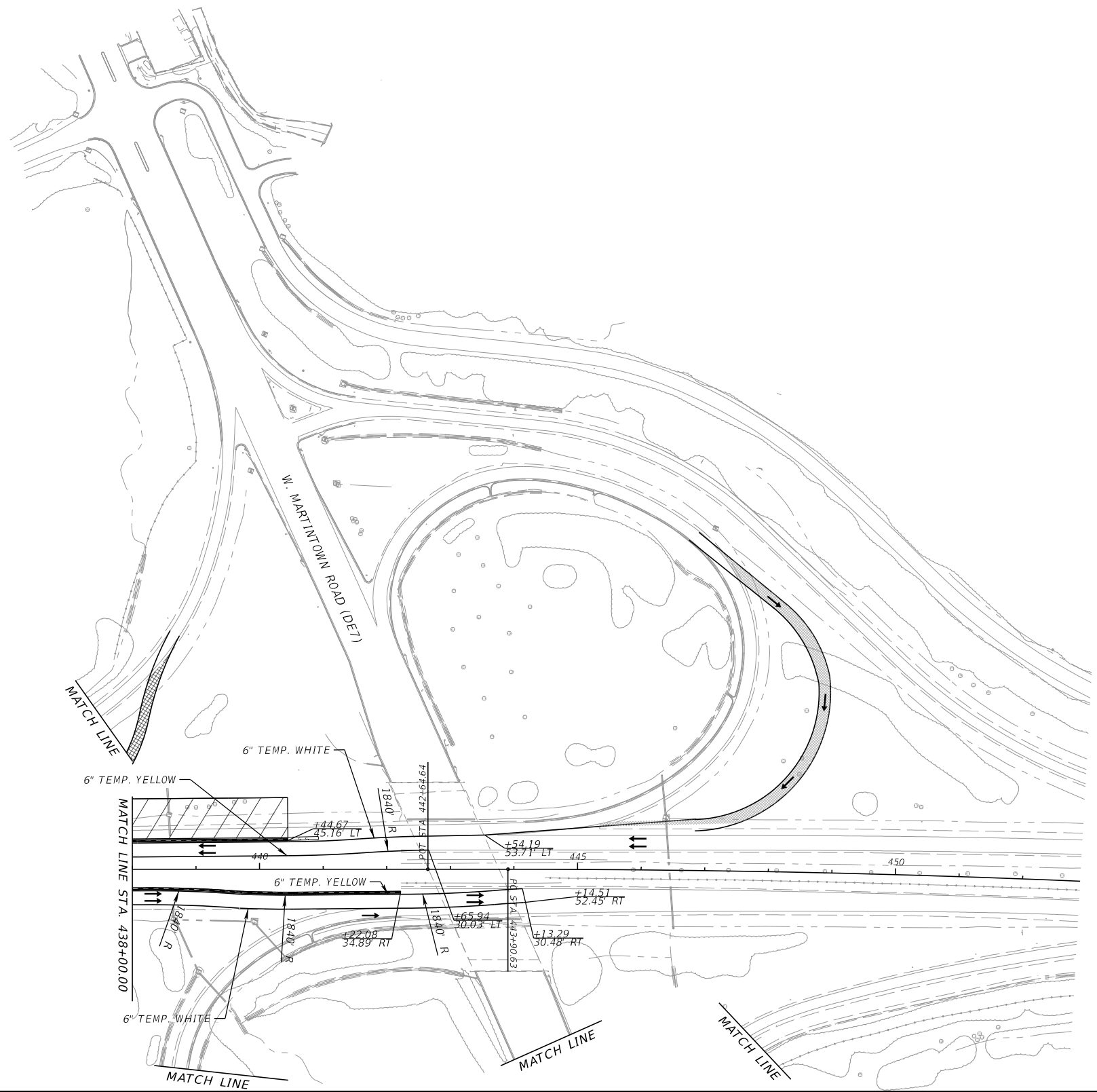
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<p>10/23/2015</p> <p>GPLM</p>	<p>South Carolina Department of Transportation</p>		<p>REVISION DATES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																<p>MOT/STAGING PLANS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>CHECKED:</td> <td>DATE</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">DRAWING NO. 19-0020</td> </tr> <tr> <td>BACKCHECKED:</td> <td>DATE</td> </tr> <tr> <td>CORRECTED:</td> <td>DATE</td> </tr> <tr> <td>VERIFIED:</td> <td>DATE</td> </tr> </table>	CHECKED:	DATE	DRAWING NO. 19-0020	BACKCHECKED:	DATE	CORRECTED:	DATE	VERIFIED:	DATE
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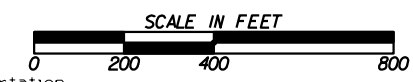


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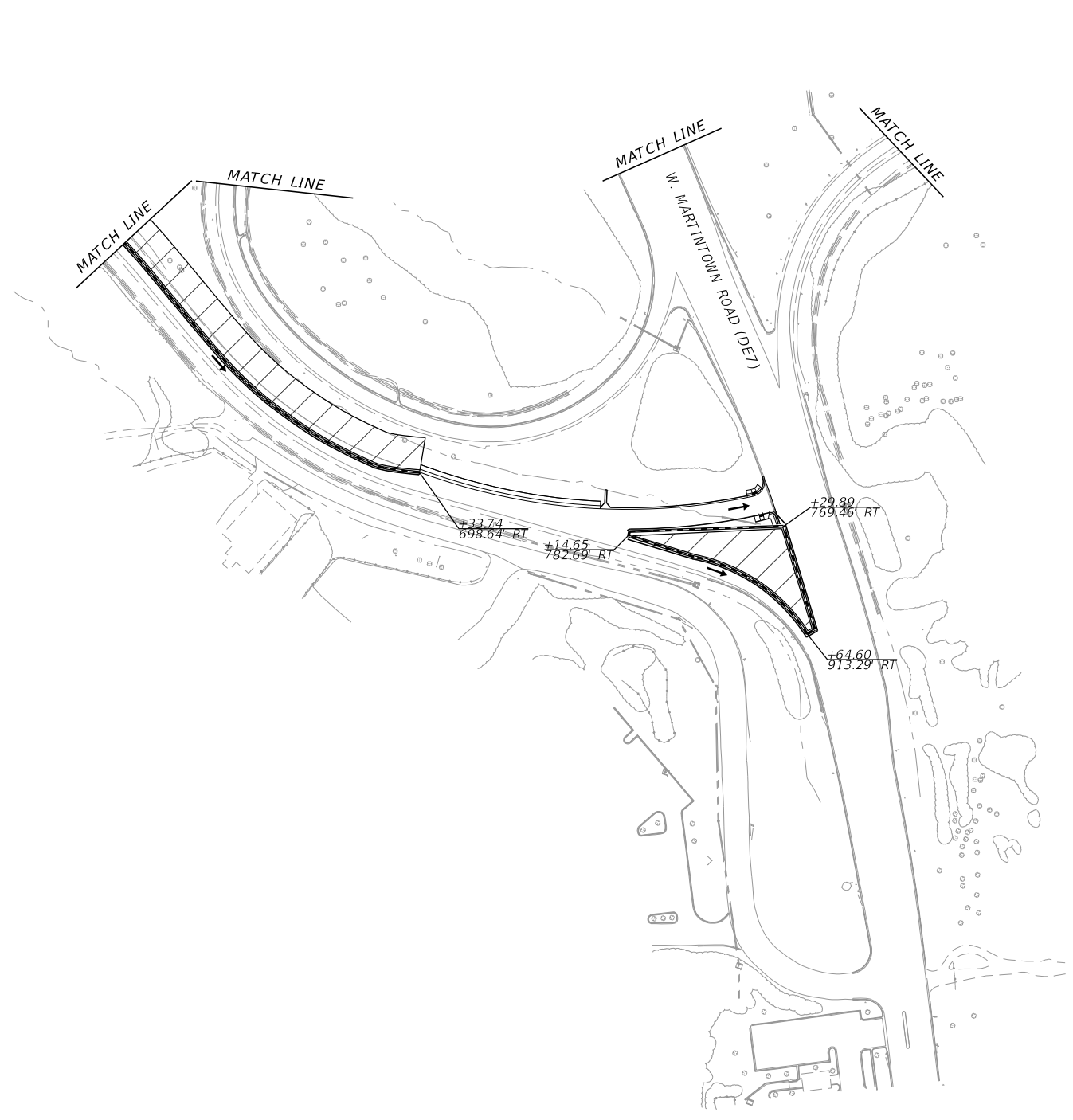
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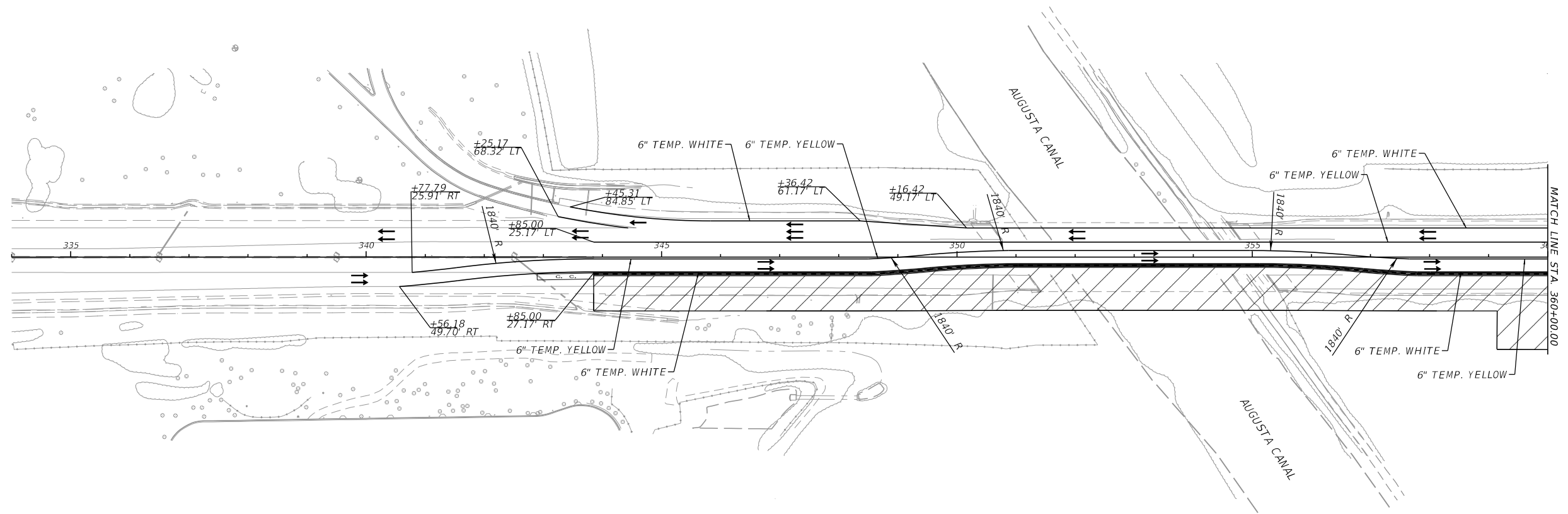
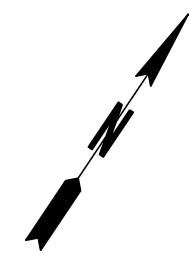
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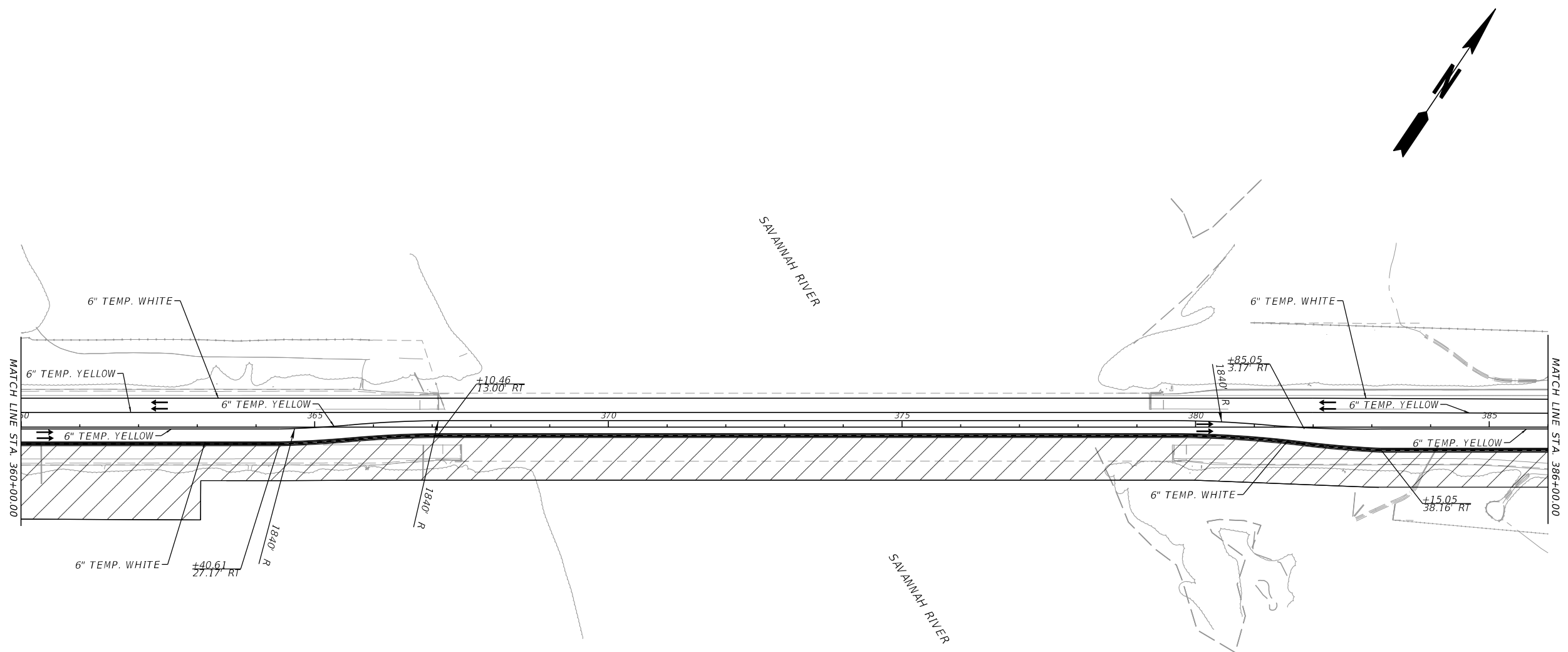


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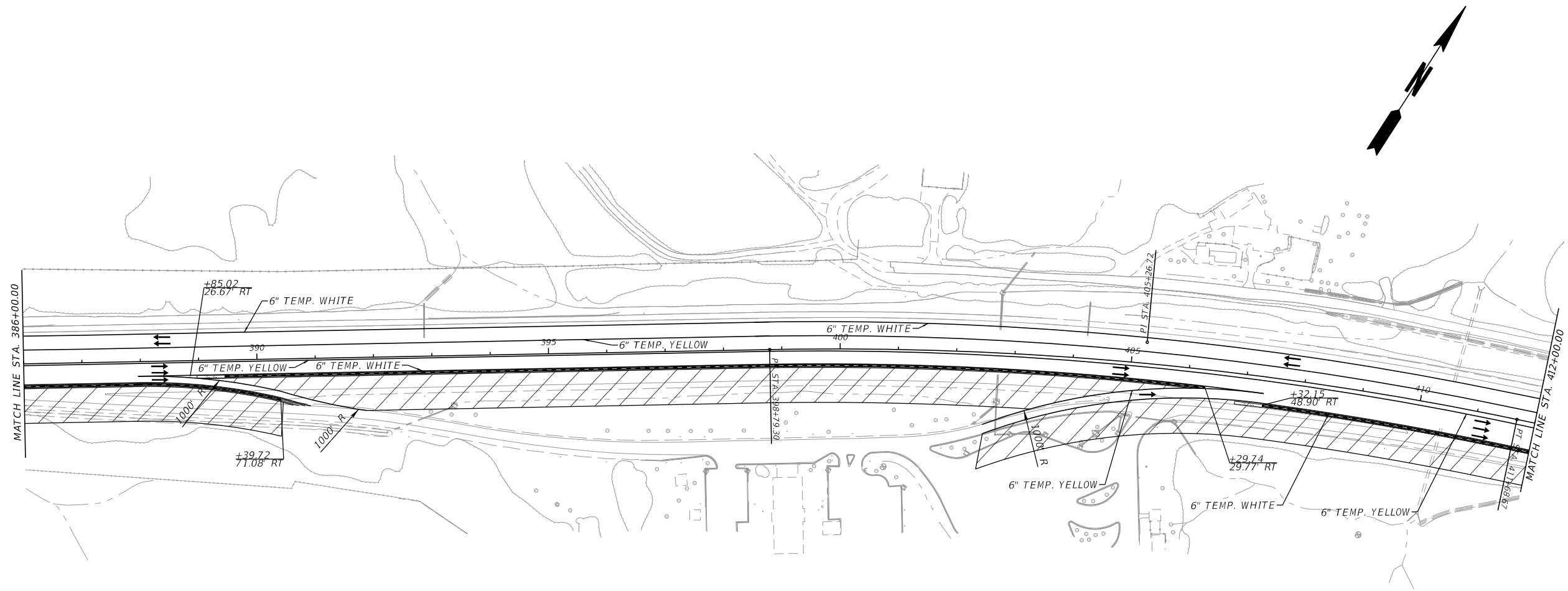
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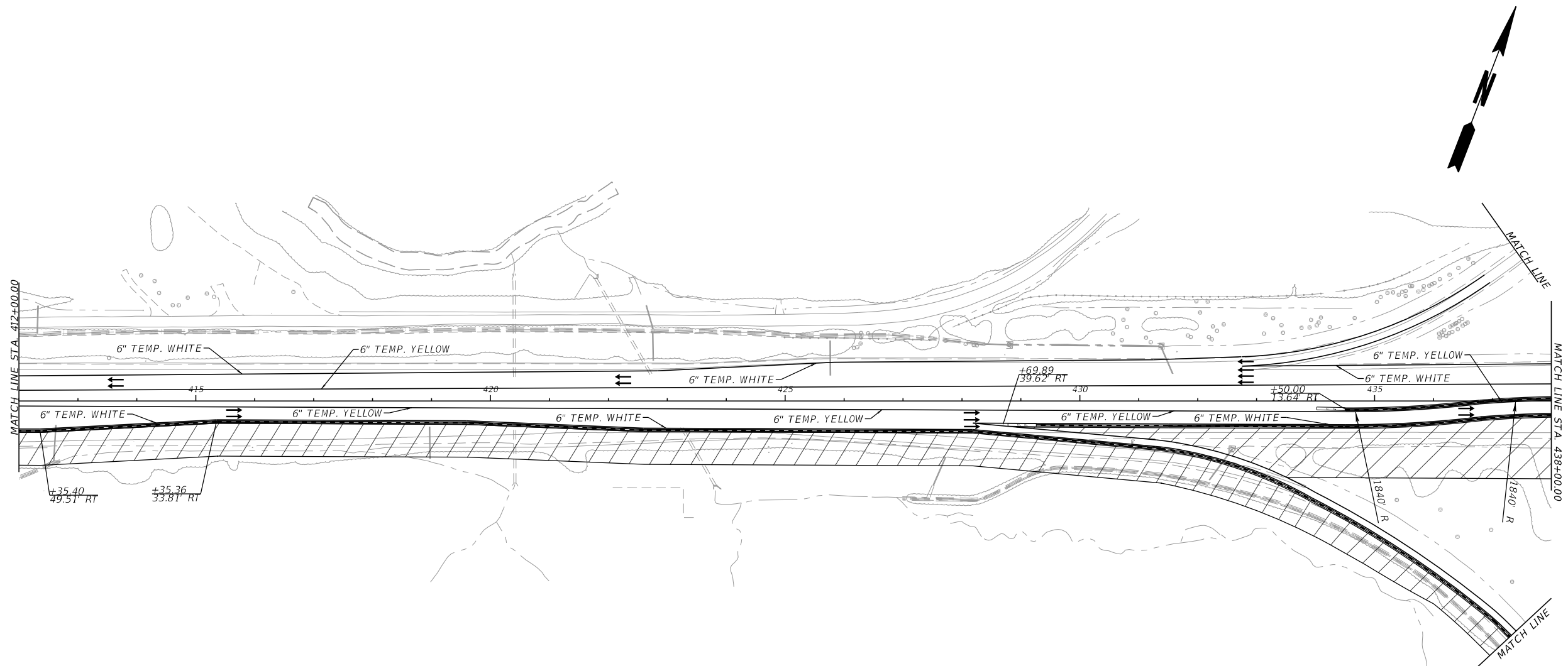
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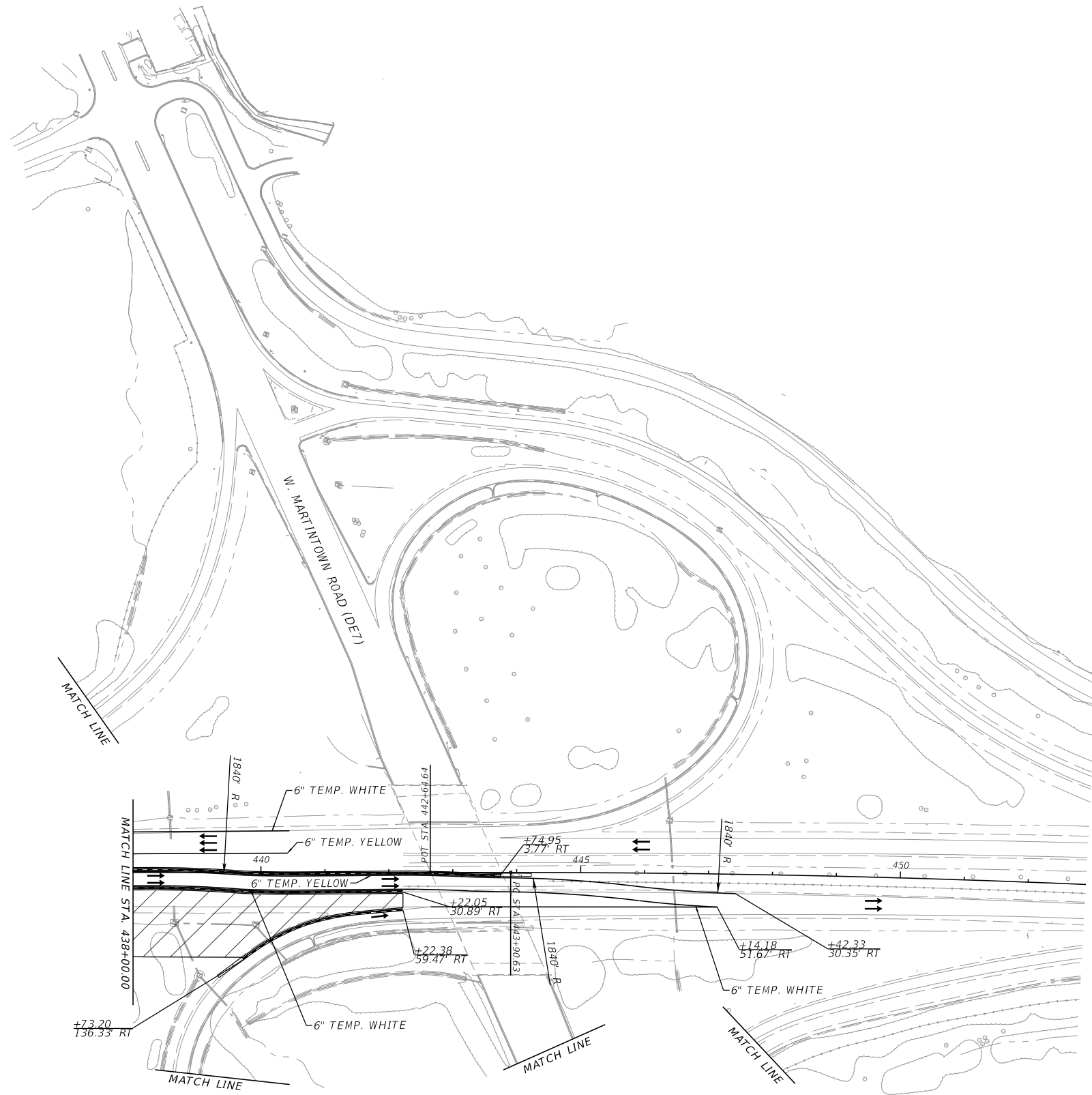


 South Carolina Department of Transportation


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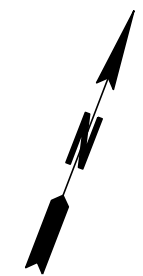
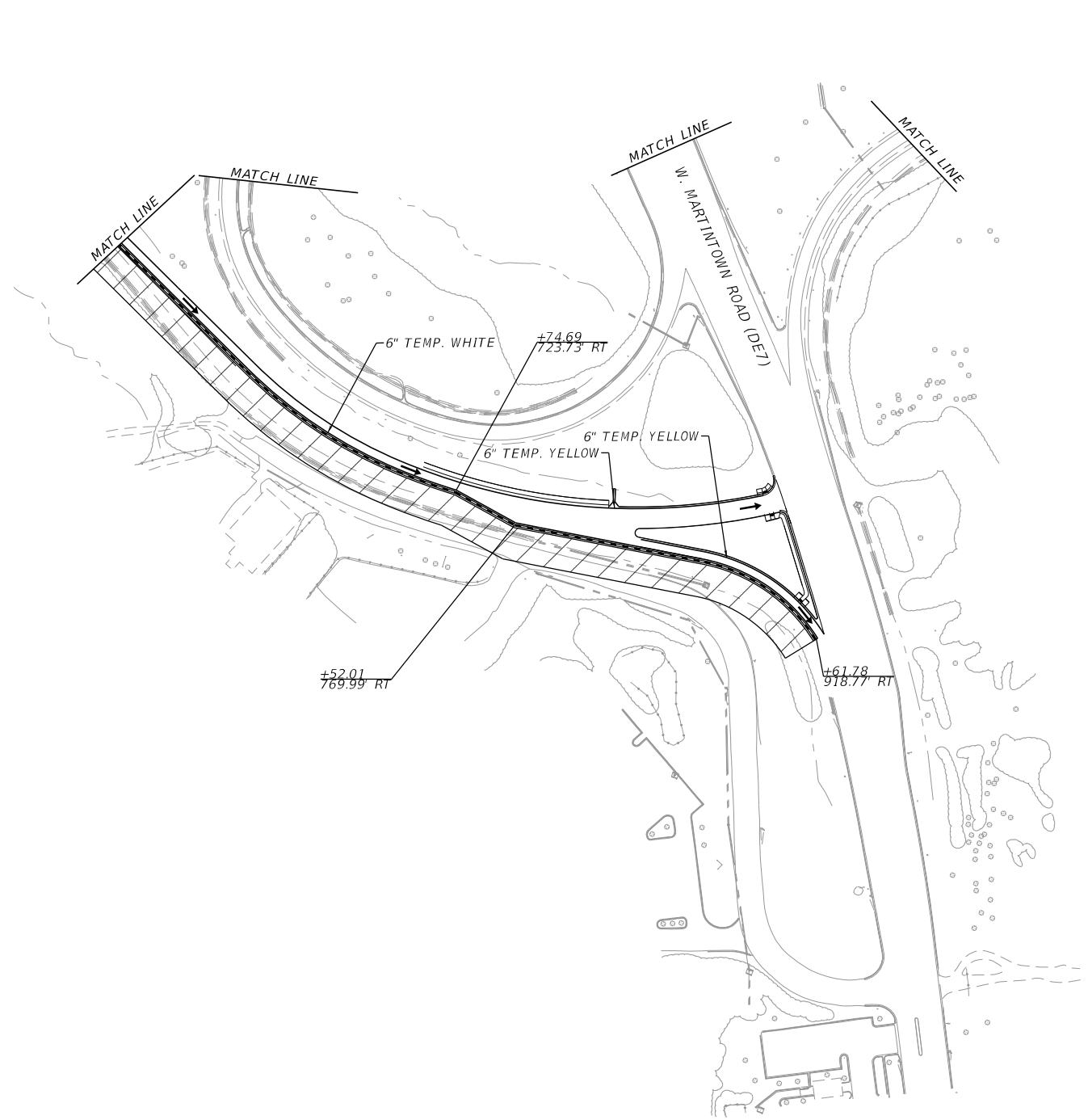
REVISION DATES			MOT/STAGING PLANS	
CHECKED:	DATE			DRAWING NO.
BACKCHECKED:	DATE			19-0025
CORRECTED:	DATE			
VERIFIED:	DATE			



<p>10/23/2015</p> <p>GPLM</p>	 South Carolina Department of Transportation	 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISION DATES</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISION DATES															<p>MOT/STAGING PLANS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>CHECKED:</td> <td>DATE</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">DRAWING NO. 19-0026</td> </tr> <tr> <td>BACKCHECKED:</td> <td>DATE</td> </tr> <tr> <td>CORRECTED:</td> <td>DATE</td> </tr> <tr> <td>VERIFIED:</td> <td>DATE</td> </tr> </table>	CHECKED:	DATE	DRAWING NO. 19-0026	BACKCHECKED:	DATE	CORRECTED:	DATE	VERIFIED:	DATE
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CHECKED:	DATE	DRAWING NO. 19-0026																										
BACKCHECKED:	DATE																											
CORRECTED:	DATE																											
VERIFIED:	DATE																											



 South Carolina Department of Transportation		 CORPORATION				REVISION DATES 			MOT/STAGING PLANS		
CHECKED:		DATE:		DRAWING NO.			19-0027				
BACKCHECKED:		DATE:									
CORRECTED:		DATE:									
VERIFIED:		DATE:									



REVISIONS
BY
DATE

REVISIONS
BY
DATE

GDOT

SCDOT

South Carolina Department of Transportation

Stantec

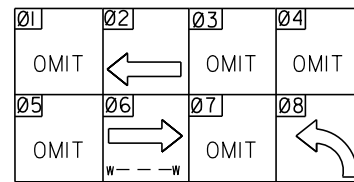
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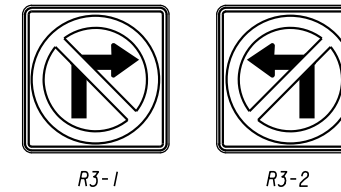
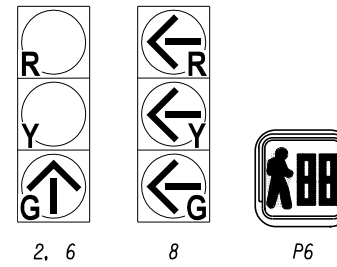
REVISION DATES	

MOT/STAGING PLANS			
CHECKED:		DATE	
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CORRECTED:		DATE	
VERIFIED:		DATE	
DRAWING NO.			19-0028

PHASING DIAGRAM

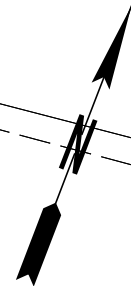


SIGNAL HEADS



w Martintown RD

D-SPEC 3-1
1 EA



L6A
L6B

W. MARTINTOWN ROAD (45 MPH)

W. MARTINTOWN ROAD (45 MPH)

L2B
L2A

LEGEND

- ▣ PROPOSED PULL BOX
- ▣ PROPOSED CONTROLER CABINET
- PROPOSED STRAIN POLES
- 6P PROPOSED PED POLE AND SIGNAL
- 2 PROPOSED SIGNAL HEAD
- PROPOSED CONDUIT
- == PROPOSED DIRECTIONAL BORE WITH CONDUIT

SCALE IN FEET
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REVISION DATES		SIGNAL PLANS	
		1-20 BRIDGE REPLACEMENT AT SAVANNAH RIVER	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	27-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

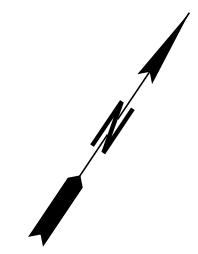
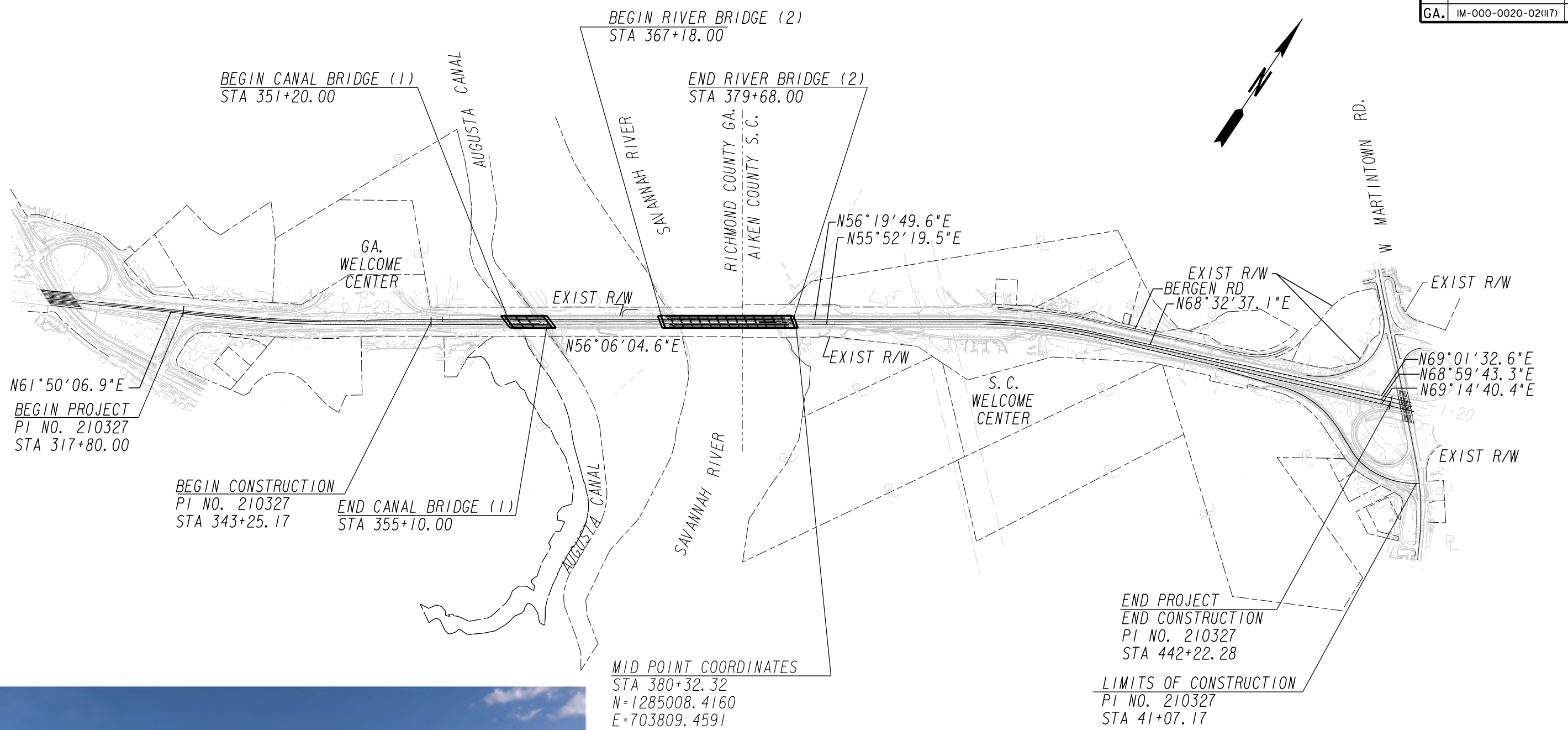
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		



PRELIMINARY NOT FOR CONSTRUCTION



PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
KEY PLAN - BRIDGE LOCATIONS			
RICHMOND COUNTY		IM-000-0020-02(117)	
SCALE: NTS		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	APPROVED

DRAWING NO.	35-0001
BRIDGE SHEET	1 OF 14

DATE	REVISIONS

1 INCH WHEN PRINTED FULL SIZE

STATUS SET - 9/25/2018

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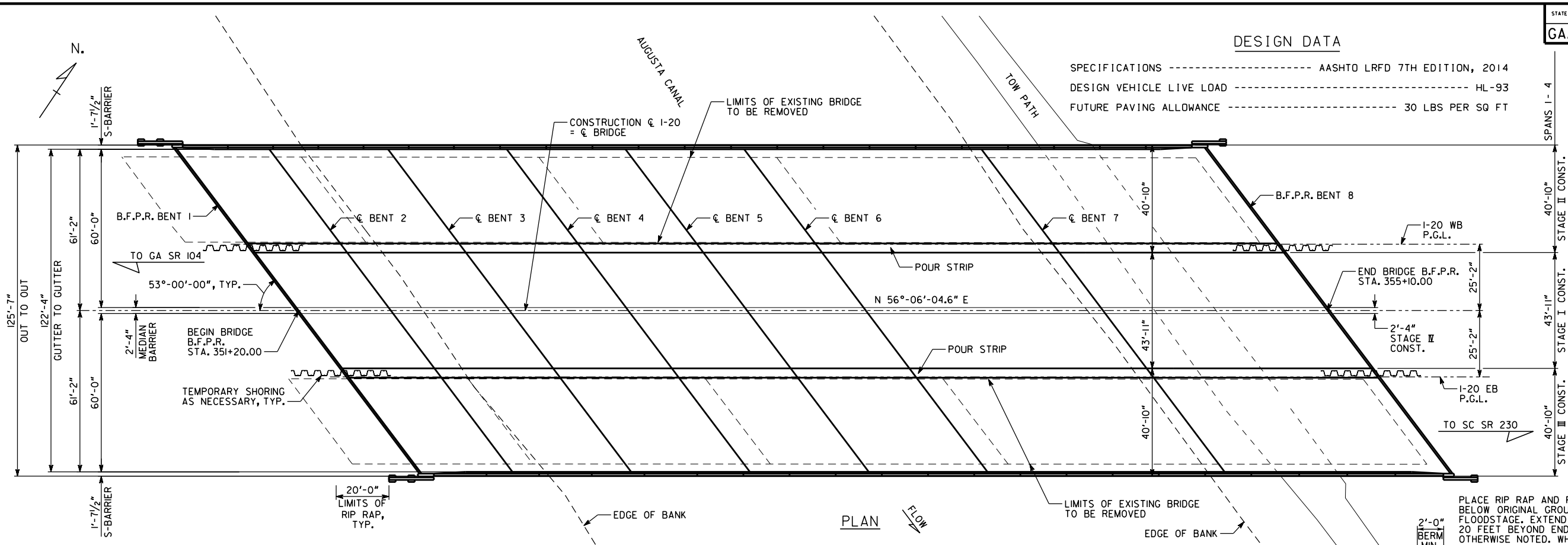
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		

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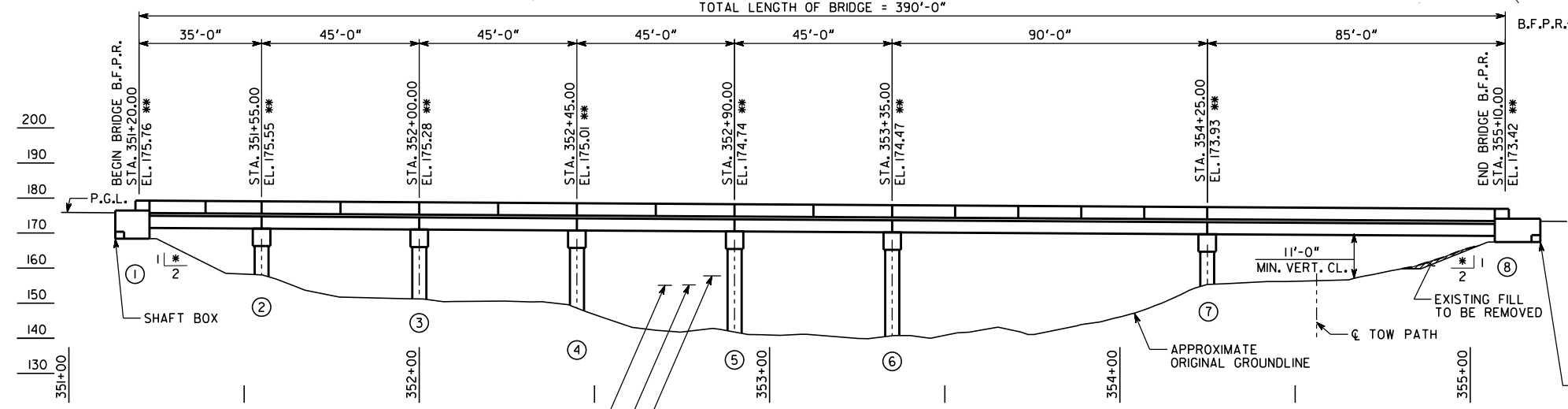
SPECIFICATIONS ----- AASHTO LRFD 7TH EDITION, 2014
 DESIGN VEHICLE LIVE LOAD ----- HL-93
 FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT



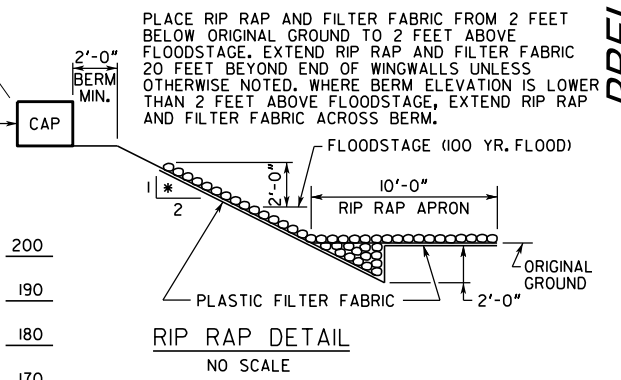
PLAN

PROPOSED GRADE DATA

PVI STA. 346+00.00	PVI EL. 177.68
PVI STA. 365+95.45	PVI EL. 166.91
-0.6000%	



ELEVATION



RIP RAP DETAIL

- RT. EXISTING BRIDGE I.D. NO. 245-00402D-201.07E
- RT. EXISTING BRIDGE SERIAL NO. 245-0051-0
- LT. EXISTING BRIDGE I.D. NO. 245-00402D-201.08E
- LT. EXISTING BRIDGE SERIAL NO. 245-0052-0

PROJECT P.I. NO. 210327

PROPOSED BRIDGE CONSISTS OF

- 7 - VARIABLE FIB 36 PSC BEAM SPANS ----- SPECIAL DESIGN
- 2 - END BENTS ----- SPECIAL DESIGN
- 6 - INTERMEDIATE BENTS ----- SPECIAL DESIGN
- 24" TYPE I RIP RAP

DRAINAGE DATA

DRAINAGE AREA	17 SQ MILES			
FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	3,970 CFS	2.10 FPS	1,888 SQ FT	0.10 FT
100 YEAR	4,040 CFS	2.11 FPS	1,910 SQ FT	0.09 FT
500 YEAR	6,000 CFS	2.41 FPS	2,488 SQ FT	0.11 FT

TRAFFIC DATA

TRAFFIC ----- ADT = 73,500 (2022)
 ADT = 93,300 (2042)

DESIGN SPEED ----- 65 MPH

TRUCKS ----- 10.5 %

24 HR TRUCKS ----- 14.5 %

DIRECTIONAL ----- 50 %

UTILITIES

NO UTILITIES ON BRIDGE

NOTES:

- ALL BENTS ARE PARALLEL.
- END BENT SHAFTS NOT SHOWN.
- * 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 CENTERLINE BENT.
- PROPOSED BRIDGE DECK IS TO BE BUILT ON A 2.0% NORMAL CROWN.
- REMOVE EXISTING BRIDGE. REMOVE EXISTING SUBSTRUCTURE PER THE SPECIFICATIONS.
- PROPOSED BRIDGE HAS CLOSED DECK DRAINAGE SYSTEM.
- MINIMUM BOTTOM OF BEAM ELEVATION FOR PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 157.13.

DRAWING NO.	35-0002
BRIDGE SHEET	2 OF 14

DATE	REVISIONS	BY

JOHNSON BROS. CONSULTING

FIGG

GEORGIA

DEPARTMENT OF TRANSPORTATION

ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

1-20 OVER AUGUSTA CANAL

BRIDGE LAYOUT

RICHMOND COUNTY IM-000-0020-02(II7)

SCALE: 1" = 20'-0" (UNLESS OTHERWISE NOTED) SEPTEMBER 2018

DESIGNED CF	CHECKED JMW	REVIEWED
DRAWN TER	DESIGN GROUP	APPROVED

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

1 INCH WHEN PRINTED FULL SIZE

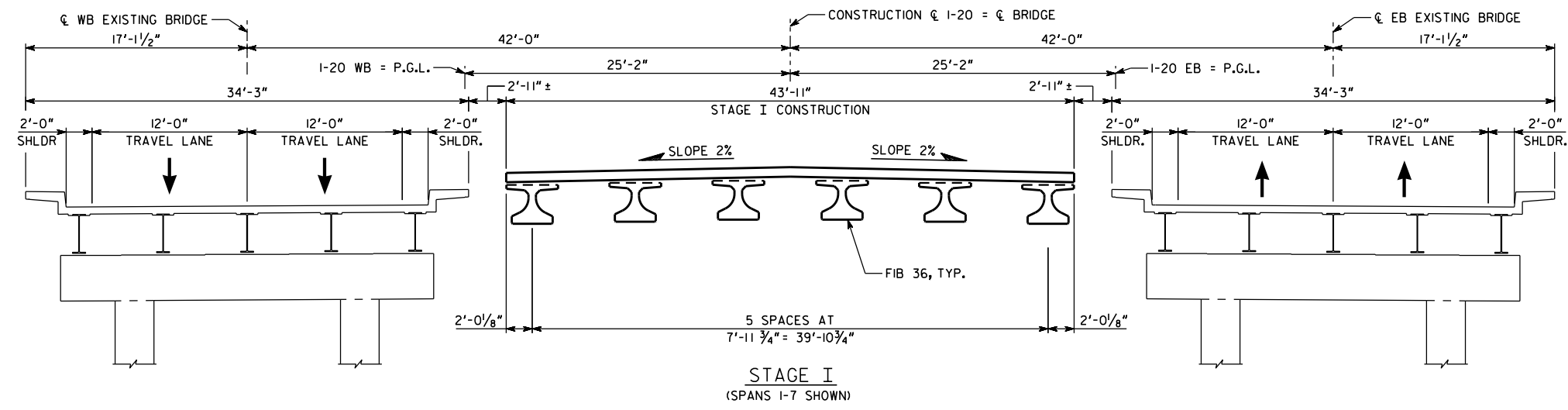
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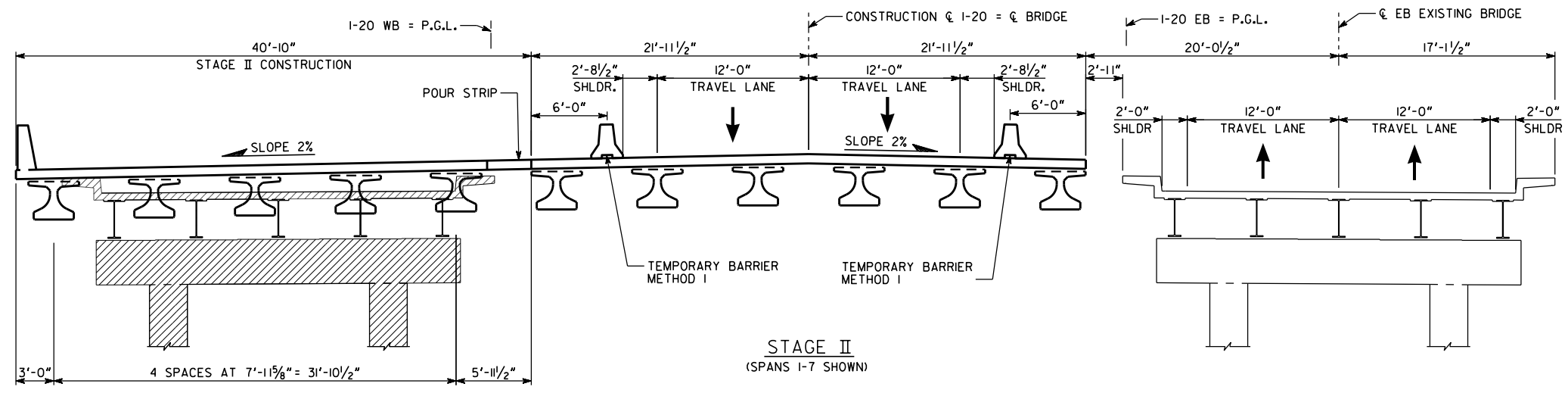
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9/25/2018

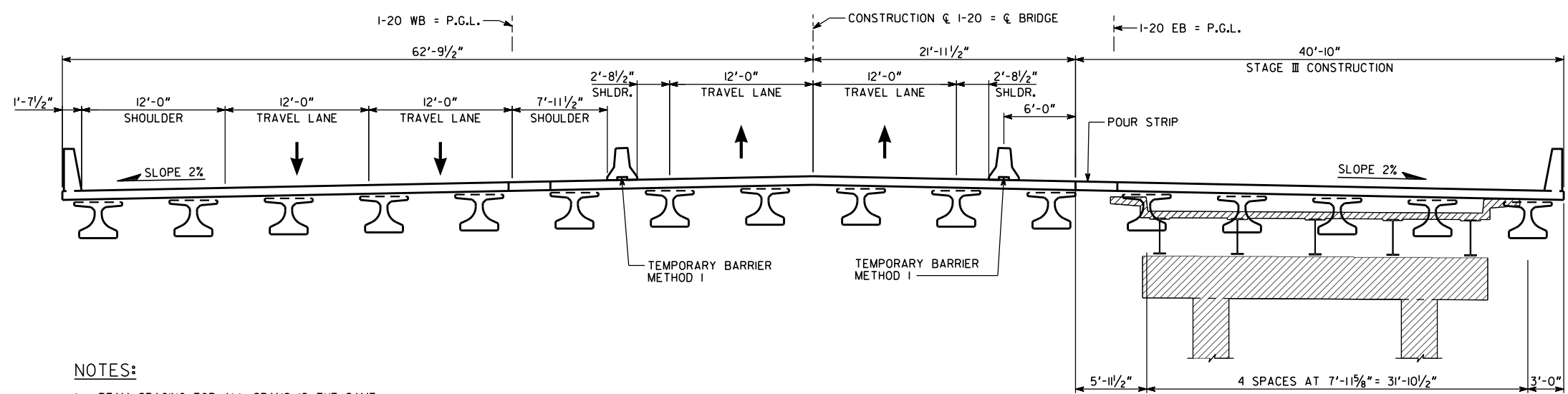
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		



STAGE I
(SPANS 1-7 SHOWN)



STAGE II
(SPANS 1-7 SHOWN)



STAGE III
(SPANS 1-7 SHOWN)

NOTES:

- 1. BEAM SPACING FOR ALL SPANS IS THE SAME.

CONSTRUCTION SEQUENCE:

STAGE I

- 1. PLACE TEMPORARY SHORING AS NECESSARY.
- 2. MAINTAIN TRAFFIC ON EXISTING BRIDGES.
- 3. BUILD STAGE I CONSTRUCTION.

STAGE II

- 1. PLACE TEMPORARY BARRIERS AND SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
- 2. REMOVE EXISTING WB BRIDGE AS SHOWN.
- 3. BUILD STAGE II CONSTRUCTION.

STAGE III

- 1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
- 2. REMOVE EXISTING EB BRIDGE AS SHOWN.
- 3. BUILD STAGE III CONSTRUCTION.

STAGE IV

- 1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
- 2. BUILD STAGE IV CONSTRUCTION.
- 3. OPEN COMPLETED BRIDGE TO TRAFFIC.

LEGEND

- EXISTING STRUCTURE.
- EXISTING STRUCTURE TO BE REMOVED.
- NEW CONSTRUCTION.

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER AUGUSTA CANAL CONSTRUCTION SEQUENCE			
RICHMOND COUNTY		IM-000-0020-02(117)	
SCALE: 3/8" = 1'-0"		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	
REVIEWED		APPROVED	

DRAWING NO.	35-0003
BRIDGE SHEET	3 OF 14

1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

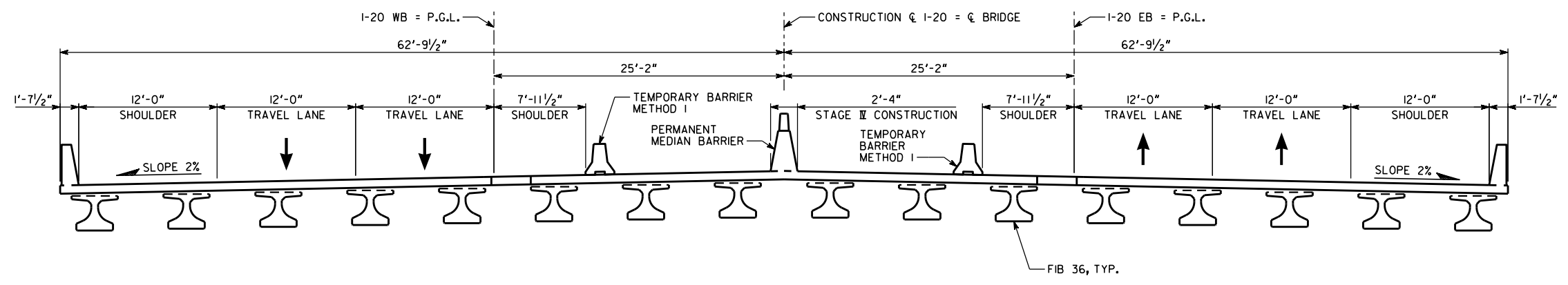
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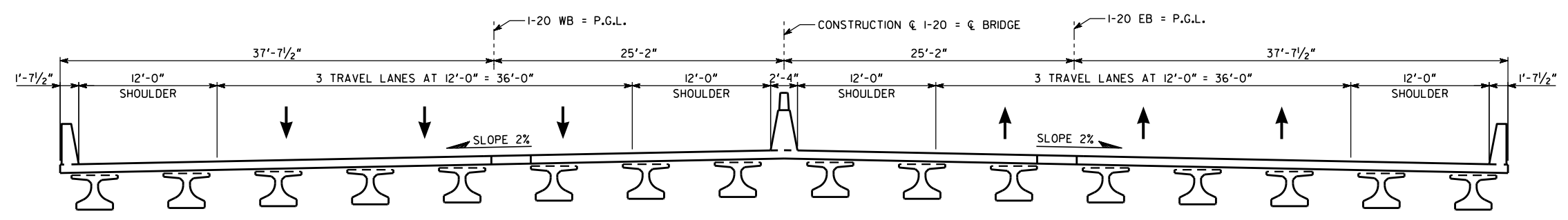
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		



STAGE I
(SPANS I-7 SHOWN)



FINAL CONFIGURATION
(SPANS I-7 SHOWN)

CONSTRUCTION SEQUENCE:

STAGE I

1. PLACE TEMPORARY SHORING AS NECESSARY.
2. MAINTAIN TRAFFIC ON EXISTING BRIDGES.
3. BUILD STAGE I CONSTRUCTION.

STAGE II

1. PLACE TEMPORARY BARRIERS AND SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING WB BRIDGE AS SHOWN.
3. BUILD STAGE II CONSTRUCTION.

STAGE III

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING EB BRIDGE AS SHOWN.
3. BUILD STAGE III CONSTRUCTION.

STAGE IV

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. BUILD STAGE IV CONSTRUCTION.
3. OPEN COMPLETED BRIDGE TO TRAFFIC.

LEGEND

- EXISTING STRUCTURE.
- EXISTING STRUCTURE TO BE REMOVED.
- NEW CONSTRUCTION.

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER AUGUSTA CANAL CONSTRUCTION SEQUENCE			
RICHMOND COUNTY		IM-000-0020-02(II7)	
SCALE: 3/8" = 1'-0"		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	APPROVED

DRAWING NO.	35-0004
BRIDGE SHEET	4 OF 14

REVISIONS	DATE

1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

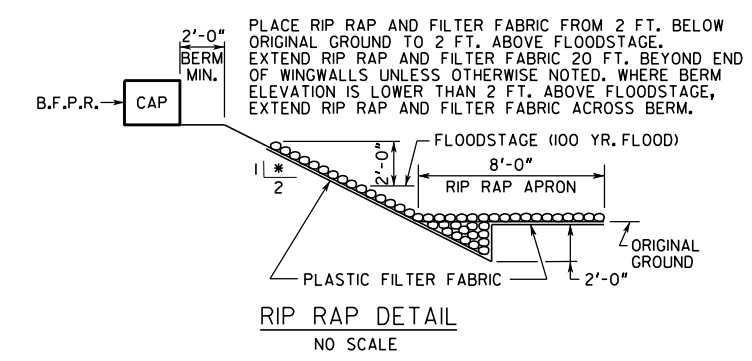
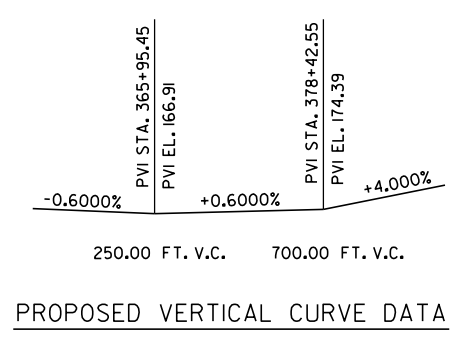
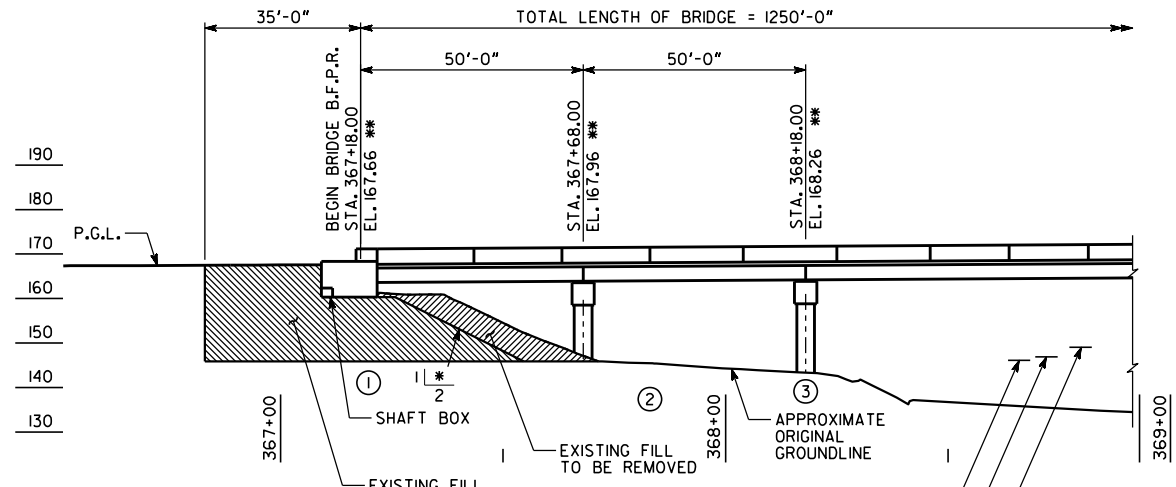
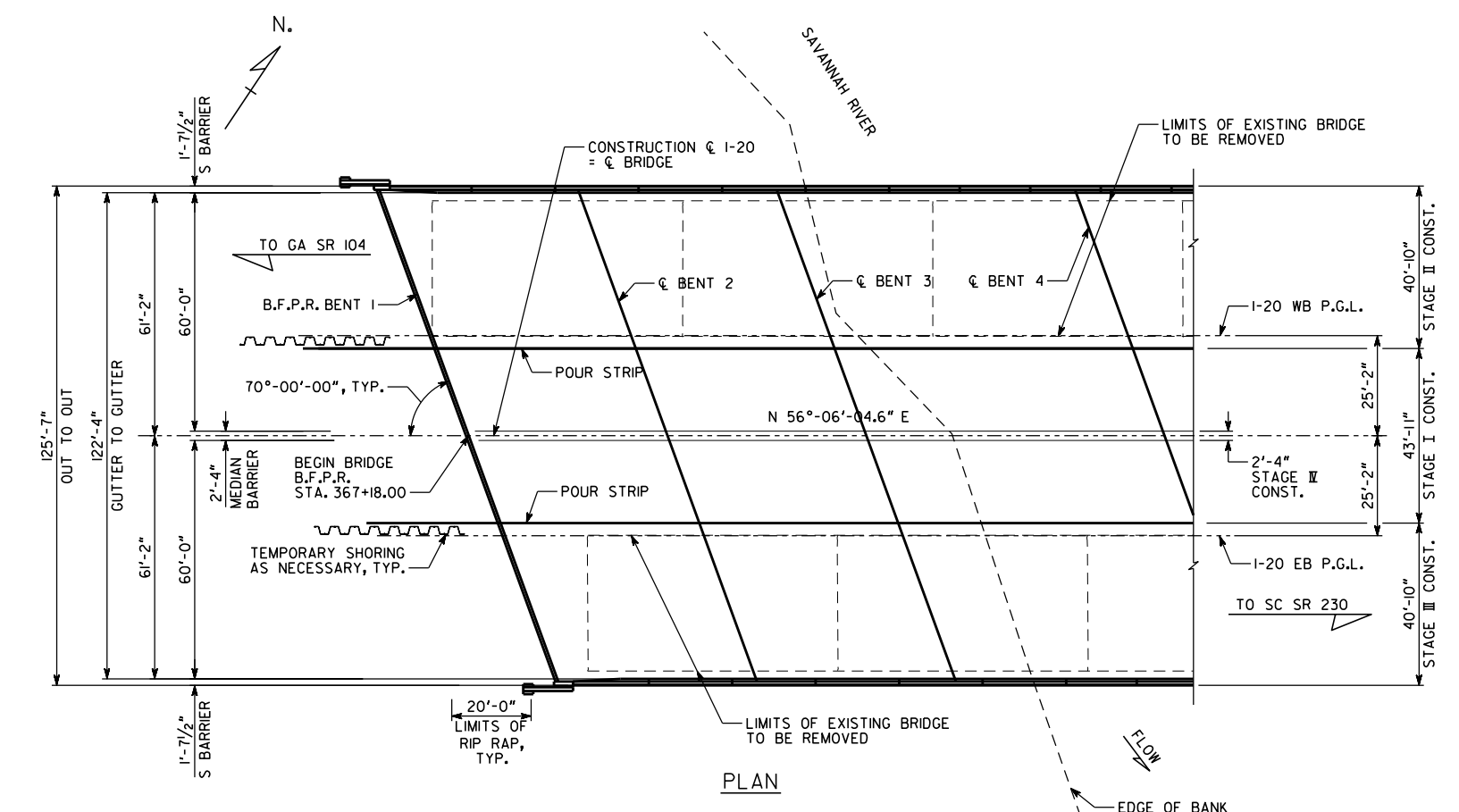
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		



- NOTES:
- ALL BENTS ARE PARALLEL.
 - END BENT SHAFTS NOT SHOWN.
 - * 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 CENTERLINE BENT.
 - PROPOSED BRIDGE DECK IS TO BE BUILT ON A 2.0% NORMAL CROWN.
 - REMOVE EXISTING BRIDGE. REMOVE EXISTING SUBSTRUCTURE PER THE SPECIFICATIONS.
 - PROPOSED BRIDGE HAS CLOSED DECK DRAINAGE SYSTEM.
 - MINIMUM BOTTOM OF BEAM ELEVATION FOR PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 148.13.

PROPOSED BRIDGE CONSISTS OF

18 - VARIABLE NEXT 36F PSC BEAM SPANS ----- SPECIAL DESIGN

2 - END BENTS ----- SPECIAL DESIGN

17 - INTERMEDIATE BENTS ----- SPECIAL DESIGN

24" TYPE I RIP RAP

DRAINAGE DATA

DRAINAGE AREA ----- 7,140 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	146,000 CFS	12.04 FPS	12,124 SQ FT	1.04 FT
100 YEAR	163,000 CFS	12.67 FPS	12,868 SQ FT	1.20 FT
500 YEAR	205,000 CFS	13.79 FPS	14,862 SQ FT	1.58 FT

TRAFFIC DATA

TRAFFIC ----- ADT = 73,500 (2022)
ADT = 93,300 (2042)

DESIGN SPEED ----- 65 MPH

TRUCKS ----- 10.5 %

24 HR TRUCKS ----- 14.5 %

DIRECTIONAL ----- 50 %

UTILITIES

NO UTILITIES ON BRIDGE

DESIGN DATA

SPECIFICATIONS ----- AASHTO LRFD 7TH EDITION, 2014

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

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

RT. EXISTING BRIDGE I.D. NO. 245-00402D-201.38E

RT. EXISTING BRIDGE SERIAL NO. 245-0053-0

LT. EXISTING BRIDGE I.D. NO. 245-00402D-201.39E

LT. EXISTING BRIDGE SERIAL NO. 245-0054-0

PROJECT P.I. NO. 210327

JOHNSON BROS. CONSULTING

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GEORGIA

DEPARTMENT OF TRANSPORTATION

ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

I-20 OVER SAVANNAH RIVER

BRIDGE LAYOUT 1 OF 4

RICHMOND COUNTY IM-000-0020-02(117)

SCALE: 1" = 20'-0" (UNLESS OTHERWISE NOTED) SEPTEMBER 2018

DESIGNED CF	CHECKED JMW	REVIEWED
DRAWN TER	DESIGN GROUP	APPROVED

1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

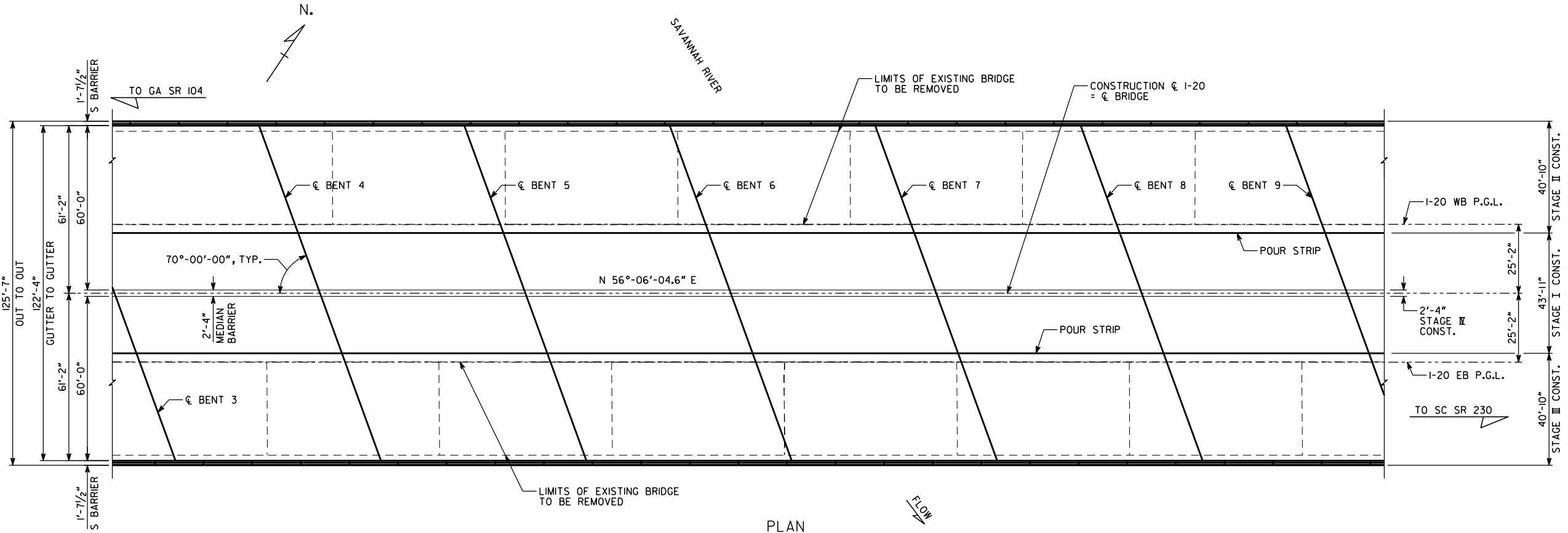
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GA.	IM-000-0020-02(II7)		

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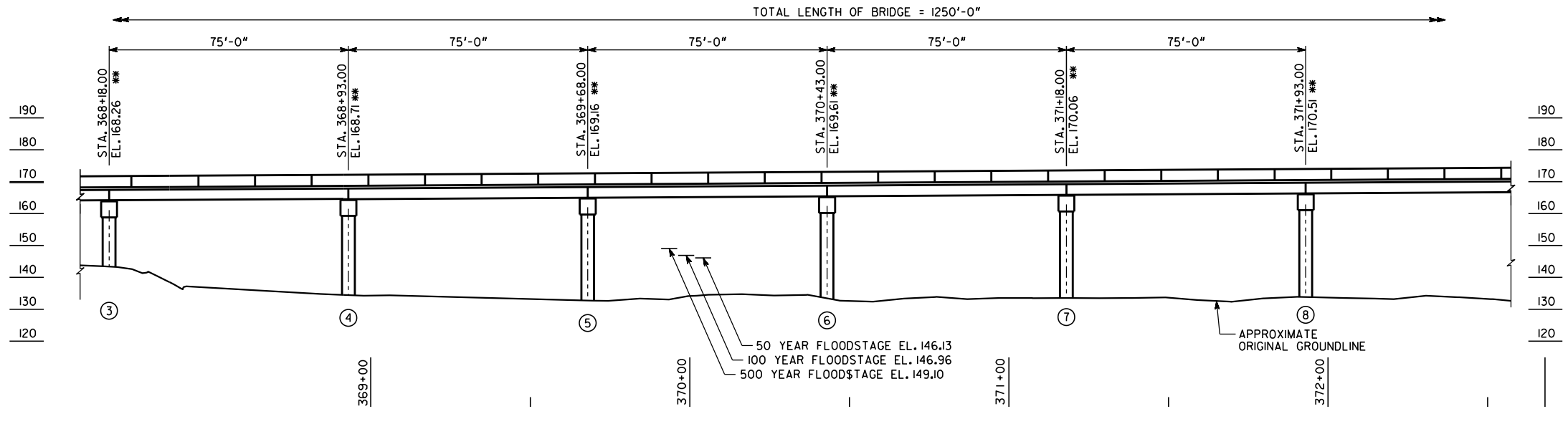
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9/25/2018



PLAN



ELEVATION

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER SAVANNAH RIVER BRIDGE LAYOUT 2 OF 4 RICHMOND COUNTY IM-000-0020-02(II7)			
SCALE: 1" = 20'-0"		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	
REVIEWED		APPROVED	

DRAWING NO.	35-0006
BRIDGE SHEET	6 OF 14

DATE	REVISIONS

1 INCH WHEN PRINTED FULL SIZE

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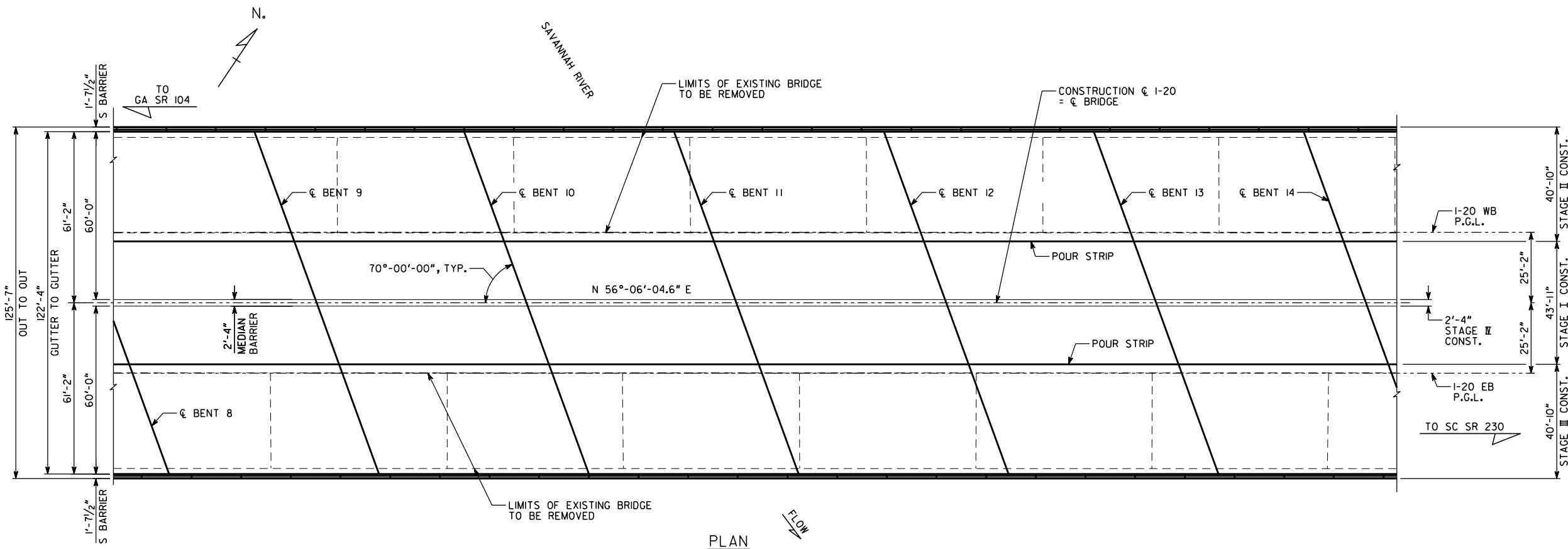
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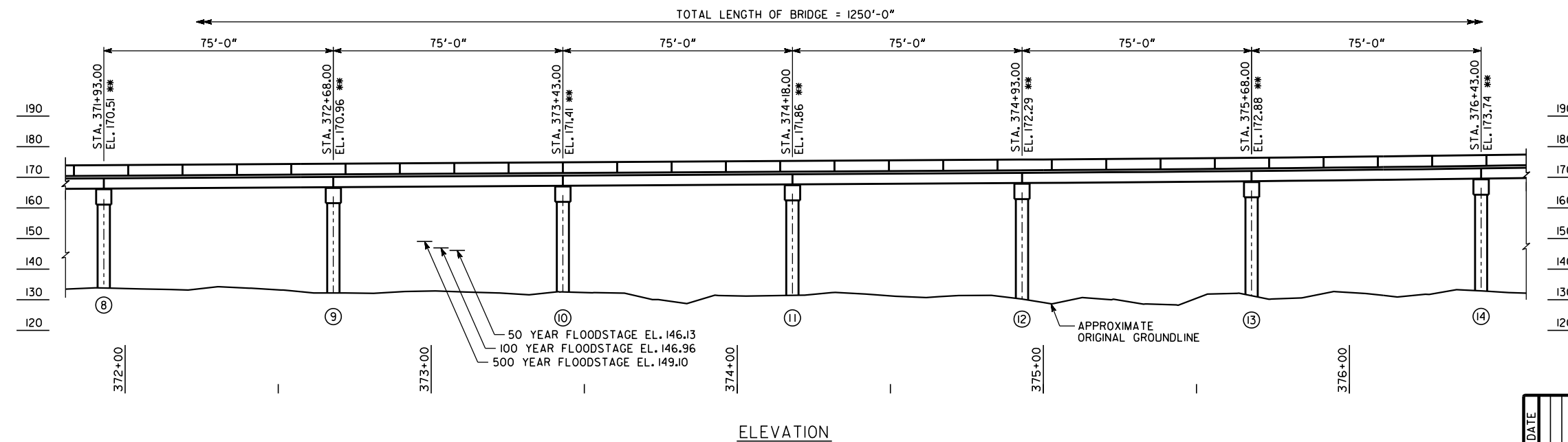
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		



PLAN



ELEVATION

PROJECT P.I. NO. 210327



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

I-20 OVER SAVANNAH RIVER
 BRIDGE LAYOUT 3 OF 4
 RICHMOND COUNTY IM-000-0020-02(117)

SCALE: 1" = 20'-0" SEPTEMBER 2018

DRAWING NO.
35-0007
 BRIDGE SHEET
7 OF 14

BY	REVISIONS	DATE

DESIGNED CF	CHECKED JMW	REVIEWED
DRAWN TER	DESIGN GROUP	APPROVED

1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

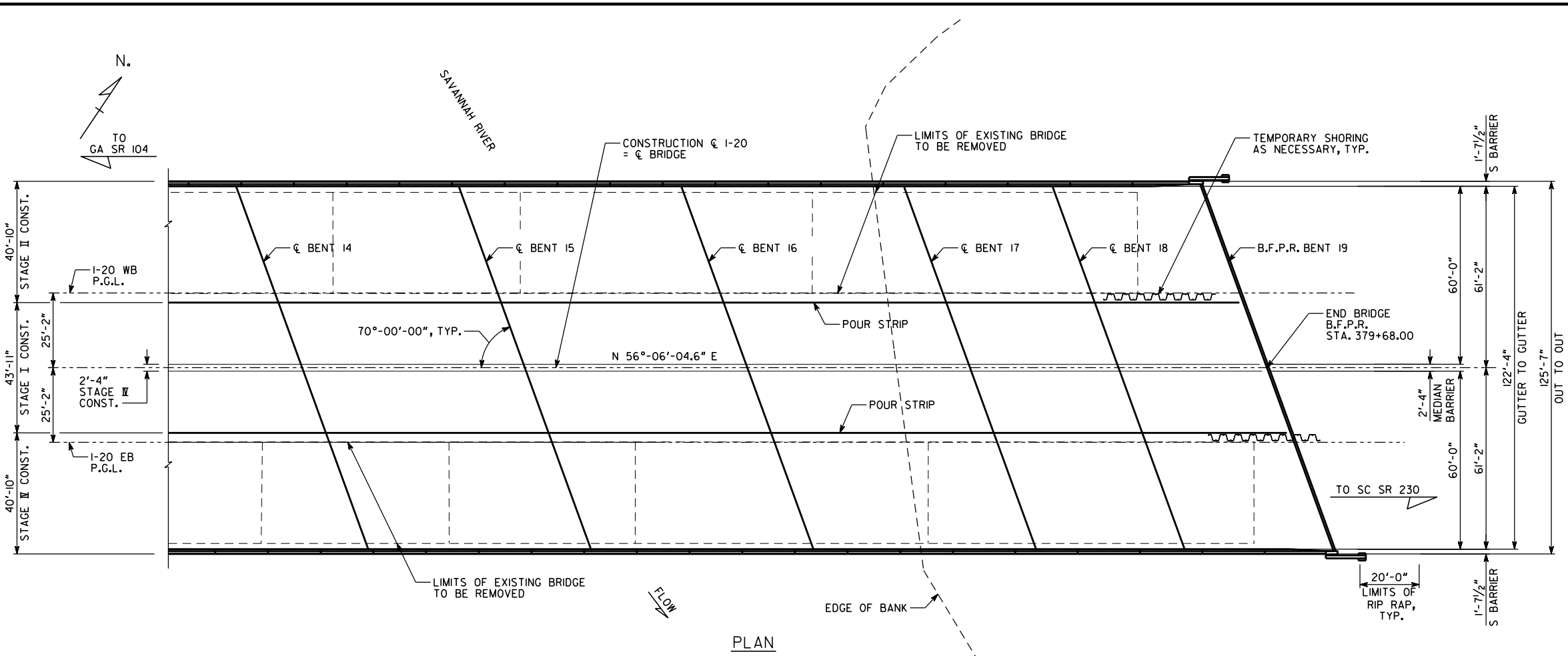
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GA.	IM-000-0020-02(II7)		

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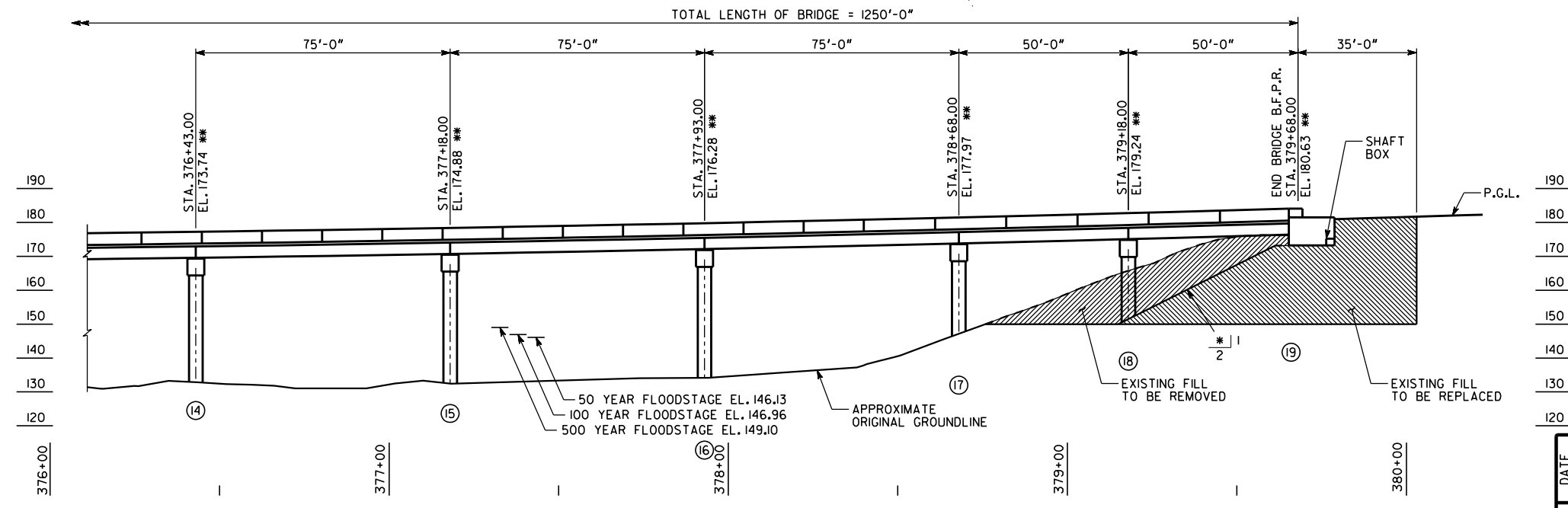
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9/25/2018



PLAN



ELEVATION

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER SAVANNAH RIVER BRIDGE LAYOUT 4 OF 4 RICHMOND COUNTY IM-000-0020-02(II7)			
SCALE: 1" = 20'-0"		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	
REVIEWED		APPROVED	

DRAWING NO.	35-0008
BRIDGE SHEET	8 OF 14

DATE	REVISIONS

1/4" = 1" INCH WHEN PRINTED FULL SIZE

STATUS SET - 9/25/2018

USER NAME: trickman

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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(117)		

CONSTRUCTION SEQUENCE:

STAGE I

1. PLACE TEMPORARY SHORING AS NECESSARY.
2. MAINTAIN TRAFFIC ON EXISTING BRIDGES.
3. BUILD STAGE I CONSTRUCTION.

STAGE II

1. PLACE TEMPORARY BARRIERS AND SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING WB BRIDGE AS SHOWN.
3. BUILD STAGE II CONSTRUCTION.

STAGE III

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING EB BRIDGE AS SHOWN.
3. BUILD STAGE III CONSTRUCTION.

STAGE IV

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. BUILD STAGE II CONSTRUCTION.
3. OPEN COMPLETED BRIDGE TO TRAFFIC.

LEGEND

- EXISTING STRUCTURE.
- EXISTING STRUCTURE TO BE REMOVED.
- NEW CONSTRUCTION.

PROJECT P.I. NO. 210327

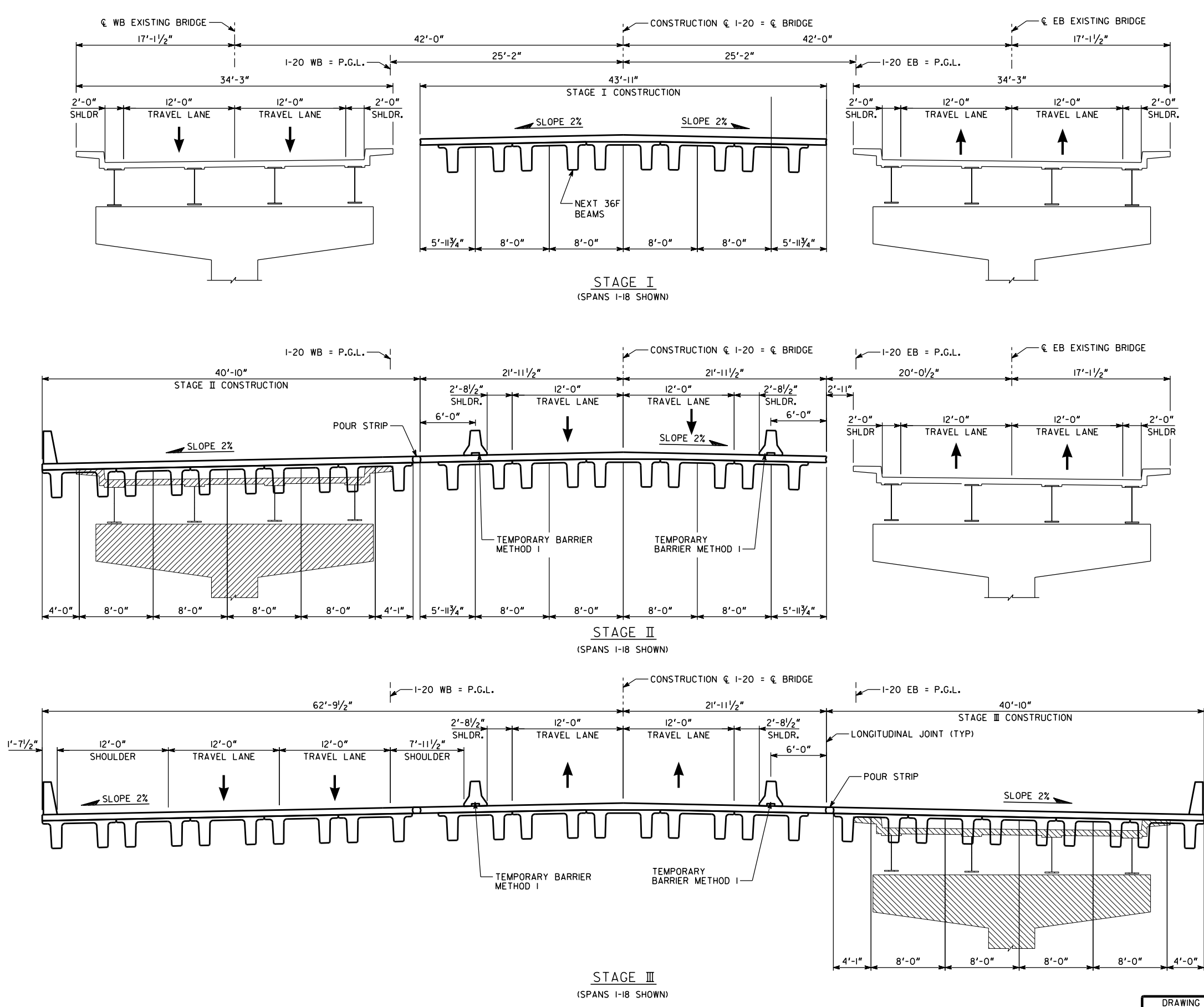
JOHNSON BROS. CORPORATION		FIGG
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES		
I-20 OVER SAVANNAH RIVER CONSTRUCTION SEQUENCE		
RICHMOND COUNTY		IM-000-0020-02(117)
SCALE: 3/16" = 1'-0"		SEPTEMBER 2018
DESIGNED	CF	CHECKED
DRAWN	TER	JMW
DESIGN GROUP		APPROVED

DRAWING NO.	35-0009
BRIDGE SHEET	9 OF 14

1 INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018



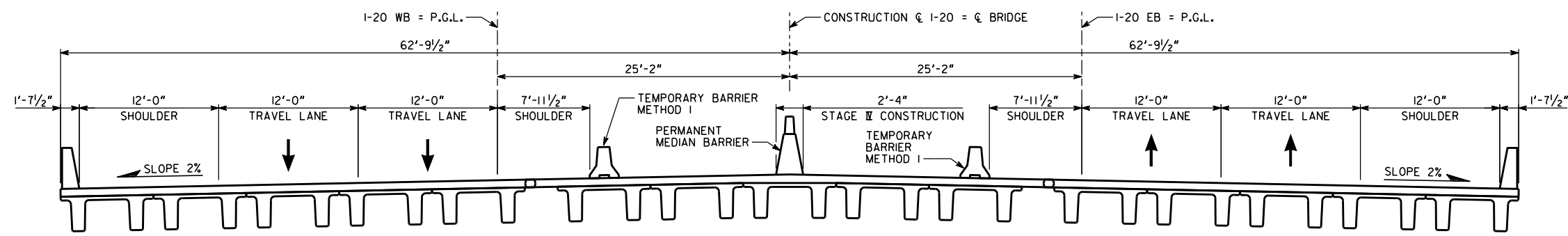
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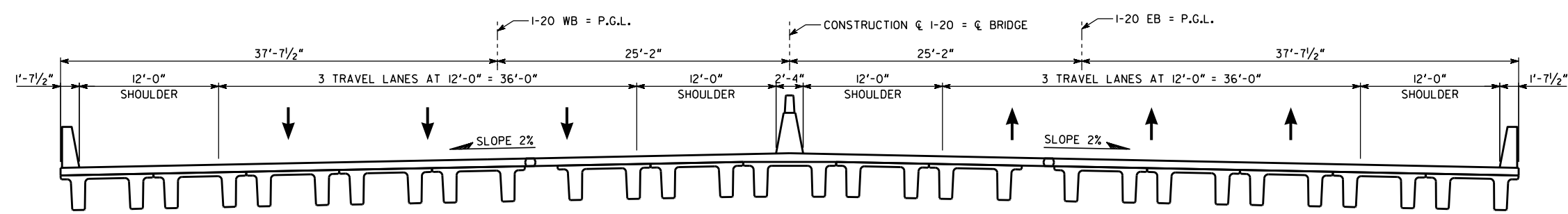
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9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		



STAGE I
(SPANS I-18 SHOWN)



FINAL CONFIGURATION
(SPANS I-18 SHOWN)

CONSTRUCTION SEQUENCE:

STAGE I

1. PLACE TEMPORARY SHORING AS NECESSARY.
2. MAINTAIN TRAFFIC ON EXISTING BRIDGES.
3. BUILD STAGE I CONSTRUCTION.

STAGE II

1. PLACE TEMPORARY BARRIERS AND SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING WB BRIDGE AS SHOWN.
3. BUILD STAGE II CONSTRUCTION.

STAGE III

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. REMOVE EXISTING EB BRIDGE AS SHOWN.
3. BUILD STAGE III CONSTRUCTION.

STAGE IV

1. SHIFT TRAFFIC AS SHOWN, MAINTAINING 2 - 12'-0" TRAVEL LANES IN EACH DIRECTION.
2. BUILD STAGE IV CONSTRUCTION.
3. OPEN COMPLETED BRIDGE TO TRAFFIC.

LEGEND

- EXISTING STRUCTURE.
- EXISTING STRUCTURE TO BE REMOVED.
- NEW CONSTRUCTION.

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER SAVANNAH RIVER CONSTRUCTION SEQUENCE			
RICHMOND COUNTY		IM-000-0020-02(II7)	
SCALE: 3/16" = 1'-0"		SEPTEMBER 2018	
DESIGNED	CF	CHECKED	JMW
DRAWN	TER	DESIGN GROUP	APPROVED

DRAWING NO.	35-0010
BRIDGE SHEET	10 OF 14

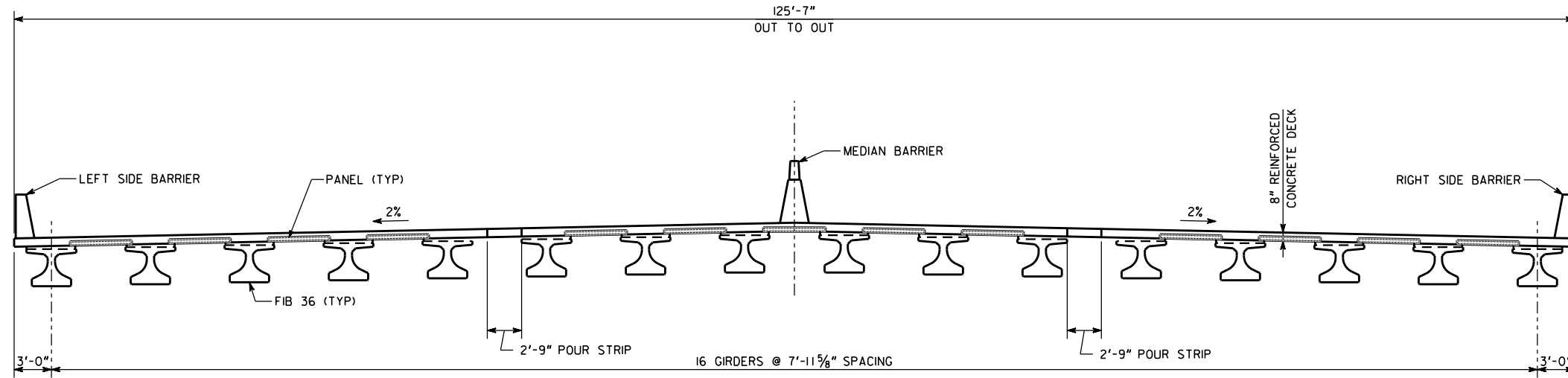
REVISIONS	DATE

1/4" = 1" WHEN PRINTED FULL SIZE

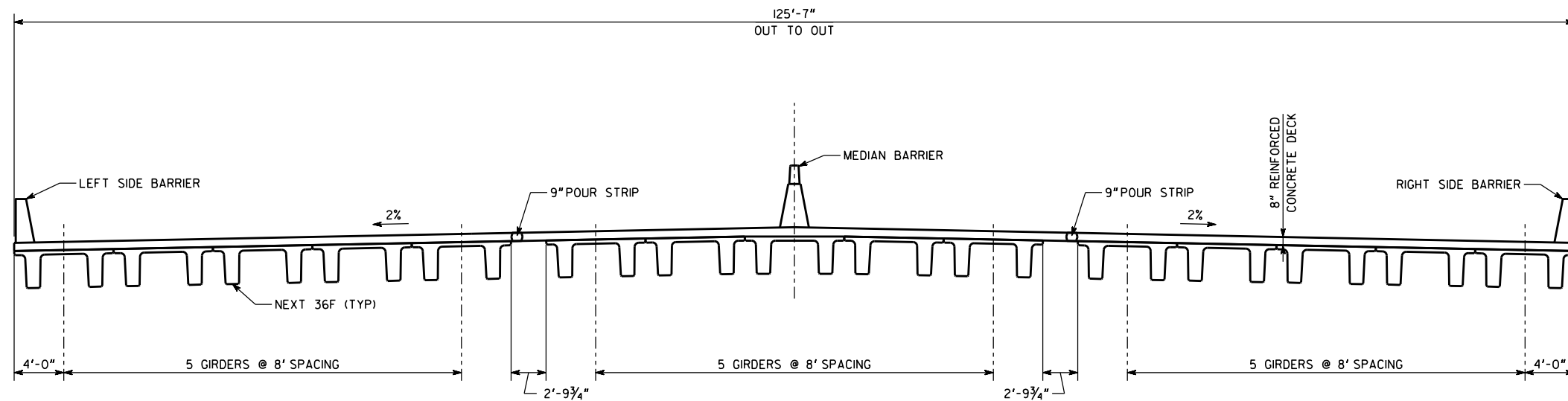
PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	IM-000-0020-02(II7)		



BRIDGE 1 TYPICAL SECTION - FINAL CONSTRUCTION
(LOOKING AHEAD)



BRIDGE 2 TYPICAL SECTION - FINAL CONSTRUCTION
(LOOKING AHEAD)

BRIDGE VARIABLES			
BRIDGE NO.	SPAN NO.	SPAN LENGTH (FT)	SKIEW ANGLE (DEG)
1	1	35	37
	2	45	37
	3	45	37
	4	45	37
	5	45	37
	6	90	37
	7	85	37
2	1	50	20
	2	50	20
	3	75	20
	4	75	20
	5	75	20
	6	75	20
	7	75	20
	8	75	20
	9	75	20
	10	75	20
	11	75	20
12	75	20	
13	75	20	
14	75	20	
15	75	20	
16	75	20	
17	50	20	
18	50	20	

- NOTES:
- ALL BARRIERS ARE S-TYPE UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONS MEASURED NORMAL TO BEAMS.

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
TYPICAL SECTION DETAILS RICHMOND COUNTY IM-000-0020-02(II7)			
DRAWING NO. 35-0011		SCALE: SEPTEMBER 2018	
DESIGNED CF DRAWN TER	CHECKED JMW DESIGN GROUP	REVIEWED	APPROVED

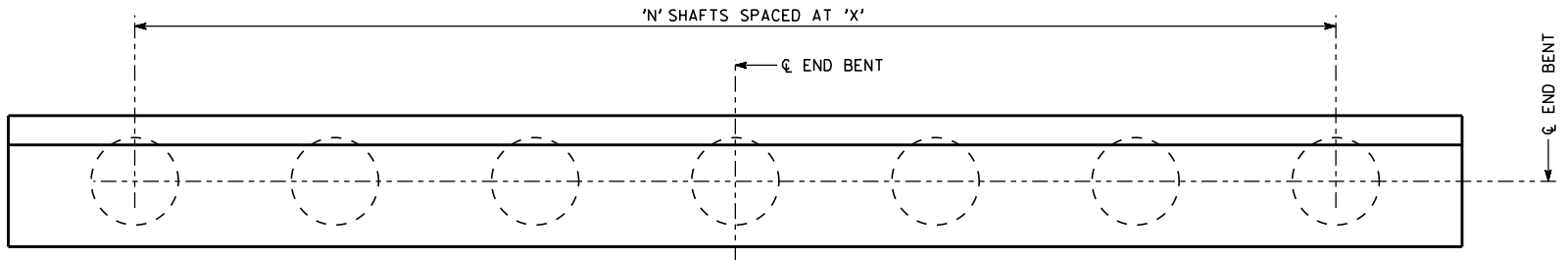
DRAWING NO. 35-0011
BRIDGE SHEET 11 OF 14

1/4" = 1" WHEN PRINTED FULL SIZE

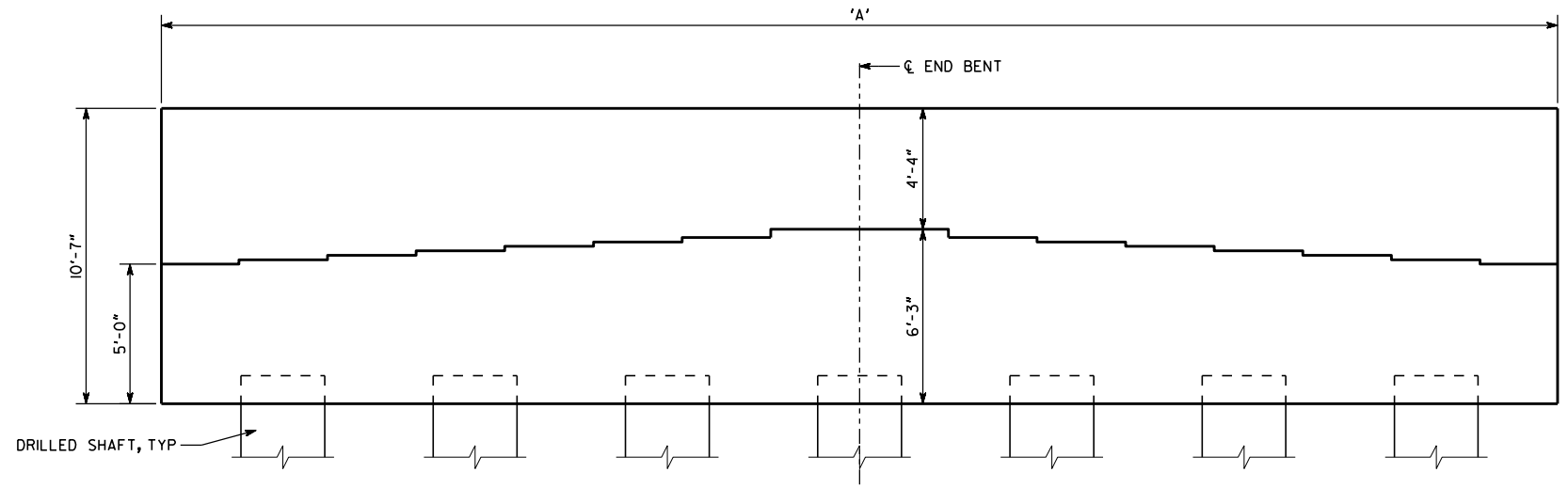
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 9/25/2018

PRELIMINARY NOT FOR CONSTRUCTION

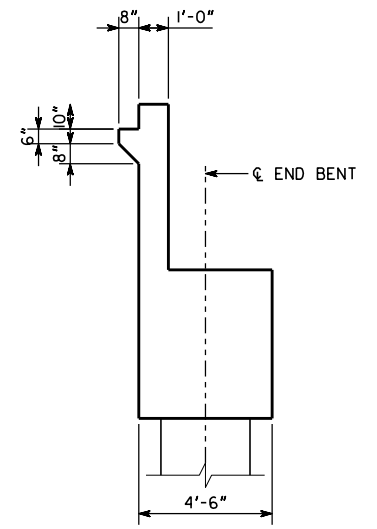
STATUS SET - 9/25/2018



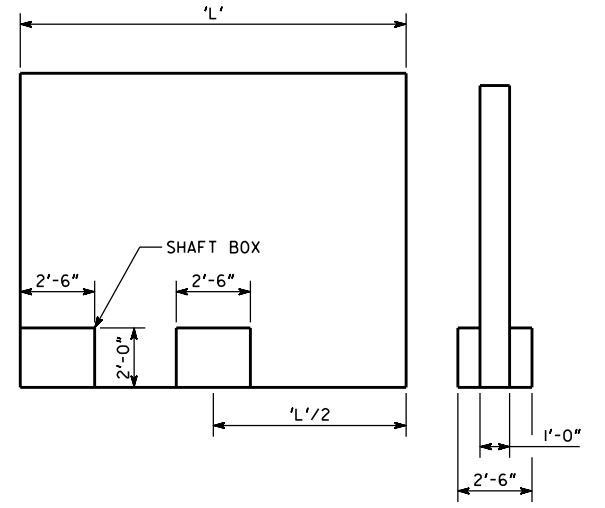
PLAN



ELEVATION



END BENT SECTION



WINGWALL

SECTION

BRIDGE NO.	END BENT NO	SHAFT SIZE	NO SHAFTS	SHAFT SPACING	APROX SHAFT LENGTH (FT)*	DIM 'A' (FT)
1	1	48"	9	18'-4 1/8"	50	157'-2 1/8"
	5	48"	9	18'-4 1/8"	50	157'-2 1/8"
2	1	48"	9	15'-7 3/4"	50	133'-7 1/8"
	15	48"	9	15'-7 3/4"	60	133'-7 1/8"

* ASSUMES A MINIMUM 9 FT EMBEDMENT INTO THE ROCK (TO APPROXIMATE ELEVATION 121FT)

BRIDGE NO.	END BENT NO	'L'	NO SHAFT BOXES	SHAFT SIZE	APROX SHAFT LENGTH (FT)*
1	IL	17	2	16"	50
	IR	17	2	16"	50
	8L	17	2	16"	50
	8R	17	2	16"	50
2	IL	13	1	16"	50
	IR	13	1	16"	50
	I9L	13	1	16"	60
	I9R	13	1	16"	60

- NOTES:
1. SHAFT SPACING MEASURED NORMAL TO BEAMS.
 2. DIMENSION 'A' AND SHAFT SPACING ARE ALONG THE SKEW.

PROJECT P.I. NO. 210327



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

END BENT DETAILS
RICHMOND COUNTY IM-000-0020-02(II7)

SCALE: NTS SEPTEMBER 2018

DRAWING NO. 35-0012
BRIDGE SHEET 12 OF 14

DATE	REVISIONS	BY

DESIGNED CF	CHECKED JMW	REVIEWED
DRAWN TER	DESIGN GROUP	APPROVED

1/4" = 1" INCH WHEN PRINTED FULL SIZE

USER NAME: trickman
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 STATUS SET - 9/25/2018

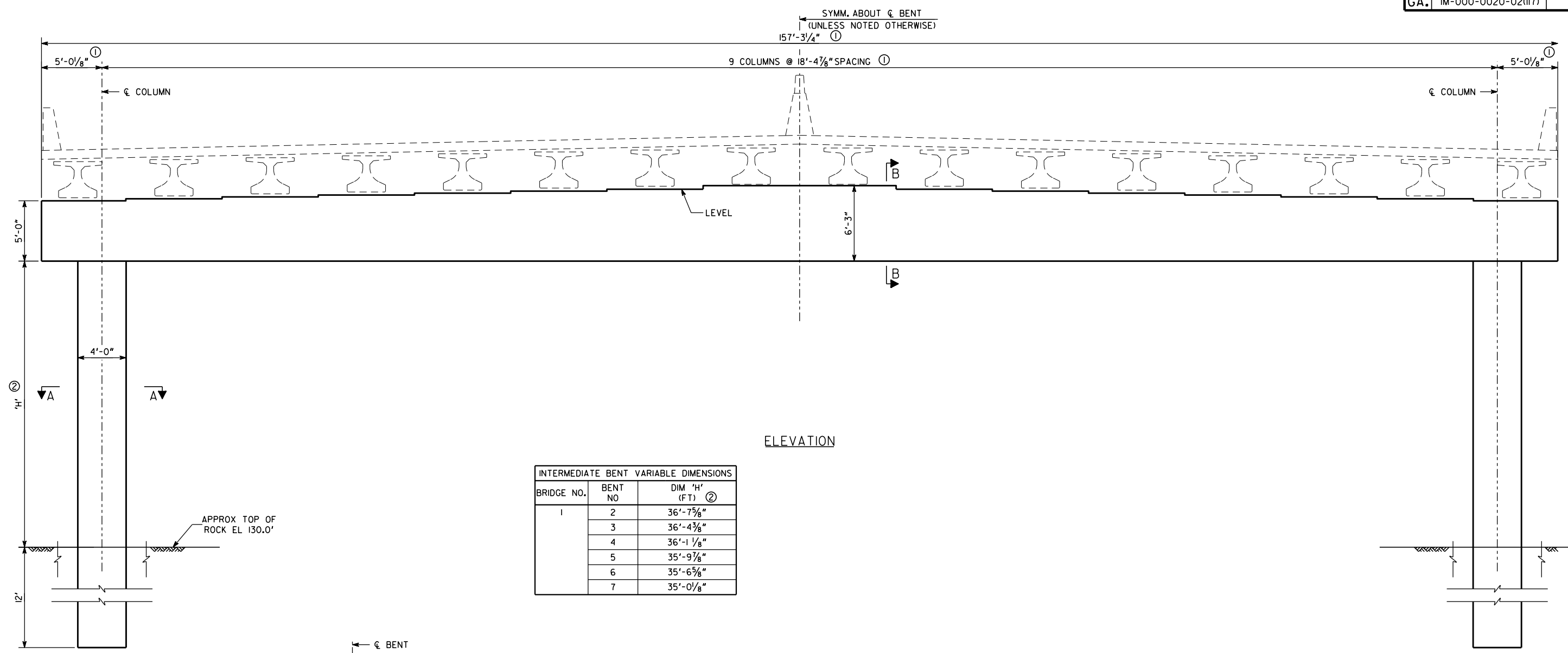
PRELIMINARY NOT FOR CONSTRUCTION

USER NAME: trickman

014_Int.Bent.Det_Augusta_Canal.dgn

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9/25/2018



ELEVATION

INTERMEDIATE BENT VARIABLE DIMENSIONS		
BRIDGE NO.	BENT NO	DIM 'H' (FT) ②
1	2	36'-7 7/8"
	3	36'-4 3/8"
	4	36'-1 1/8"
	5	35'-9 7/8"
	6	35'-6 5/8"
	7	35'-0 1/8"

SECTION A-A

SECTION B-B

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES	
I-20 OVER AUGUSTA CANAL INTERMEDIATE BENT DETAILS RICHMOND COUNTY IM-000-0020-02(II7)	
SCALE: NTS	SEPTEMBER 2018
DESIGNED CF DRAWN TER	CHECKED JMW DESIGN GROUP
REVIEWED	APPROVED

- NOTES:
- ONLY OUTSIDE COLUMNS ARE SHOWN IN THIS DRAWING.
 - DIMENSIONS ARE ALONG SKEW.
 - ASSUMED BOTTOM OF COLUMN IS AT TOP OF ROCK AT EL 130.0'. MEASURE AT PGL.

DRAWING NO. 35-0013
BRIDGE SHEET 13 OF 14

REVISIONS	DATE

1/4" = 1" INCH WHEN PRINTED FULL SIZE

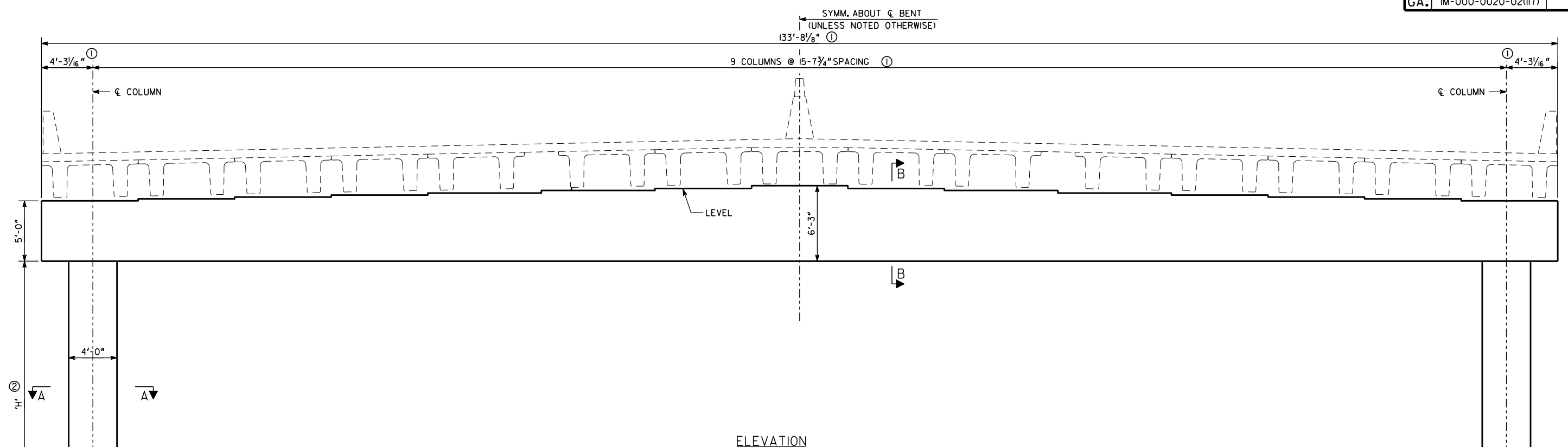
STATUS SET - 9/25/2018

USER NAME: trickman

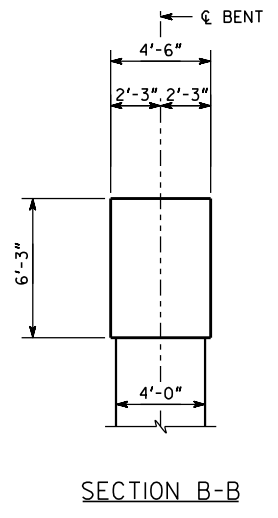
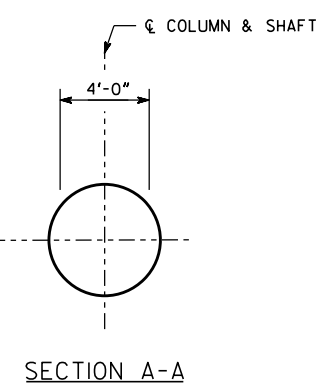
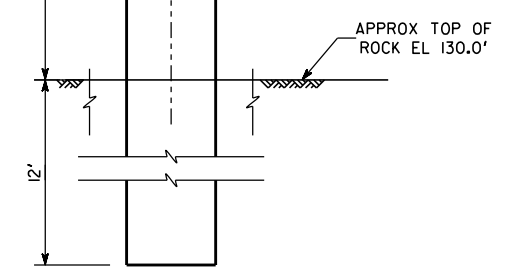
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9/25/2018



ELEVATION



INTERMEDIATE BENT VARIABLE DIMENSIONS		
BRIDGE NO.	BENT NO	DIM 'H' (FT) ②
2	2	29'-0 $\frac{1}{2}$ "
	3	29'-4 $\frac{1}{8}$ "
	4	29'-9 $\frac{1}{2}$ "
	5	30'-2 $\frac{7}{8}$ "
	6	30'-8 $\frac{1}{4}$ "
	7	31'-1 $\frac{5}{8}$ "
	8	31'-7 $\frac{1}{8}$ "
	9	32'-0 $\frac{1}{2}$ "
	10	32'-5 $\frac{1}{8}$ "
	11	32'-11 $\frac{1}{4}$ "
	12	33'-4 $\frac{1}{2}$ "
	13	33'-11 $\frac{5}{8}$ "
	14	34'-9 $\frac{1}{8}$ "
	15	35'-11 $\frac{1}{2}$ "
	16	37'-4 $\frac{3}{8}$ "
	17	39'-0 $\frac{5}{8}$ "
	18	40'-3 $\frac{7}{8}$ "

NOTES:

1. ONLY OUTSIDE COLUMNS ARE SHOWN IN THIS DRAWING.
- ① DIMENSIONS ARE ALONG SKEW.
- ② ASSUMED BOTTOM OF COLUMN IS AT TOP OF ROCK AT EL 130. MEASURE AT PGL.

PROJECT P.I. NO. 210327

GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES			
I-20 OVER SAVANNAH RIVER INTERMEDIATE BENT DETAILS RICHMOND COUNTY IM-000-0020-02(II7)			
SCALE: NTS		SEPTEMBER 2018	
DESIGNED CF	CHECKED JMW	DESIGNED TER	CHECKED JMW
DESIGNED TER	CHECKED JMW	DESIGNED TER	CHECKED JMW

DRAWING NO. 35-0014	BRIDGE SHEET 14 OF 14
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REVISIONS	DATE

1/4" = 1" INCH WHEN PRINTED FULL SIZE

PRELIMINARY NOT FOR CONSTRUCTION

STATUS SET - 9/25/2018

PROPOSAL SCHEDULE

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019												2020												2021												2022												2023											
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
GDOT - I-20 @ Savannah River Bridge Replacement																																																																	
Contract																																																																	
Milestones																																																																	
		0	12-Nov-18	30-Apr-22	0	◆ NTP 1 Preliminary Design																																																											
M1000	NTP 1 Preliminary Design	0	12-Nov-18		0	◆ NTP 1 Preliminary Design																																																											
M2000	Substantial Completion Duration from NTP 1	1146	12-Nov-18	31-Dec-21	0	Substantial Completion Duration from NTP 1																																																											
M2010	Preliminary Design Duration	87	12-Nov-18	06-Feb-19	0	Preliminary Design Duration																																																											
M1010	NTP 2 Finalize Design	0	07-Feb-19		0	◆ NTP 2 Finalize Design																																																											
M2020	Detailed Design Duration	180	07-Feb-19	05-Aug-19	0	Detailed Design Duration																																																											
M1020	NTP 3 Release for Construction	0	06-Aug-19		0	◆ NTP 3 Release for Construction																																																											
M2030	Construction Duration	879	06-Aug-19	31-Dec-21	0	Construction Duration																																																											
M9000	Substantial Completion	0		31-Dec-21*	0	◆ Substantial Completion																																																											
M9500	Project Closeout Duration	120	01-Jan-22	30-Apr-22	0	Project Closeout Duration																																																											
M9900	Final Completion	0		30-Apr-22	0	◆ Final Completion																																																											
Restrictions																																																																	
2019																																																																	
M3000	Spring Break Restriction 2019	10	15-Mar-19*	24-Mar-19	0	■ Spring Break Restriction 2019																																																											
M3010	Masters Tournament Restriction 2019	10	05-Apr-19*	14-Apr-19	0	■ Masters Tournament Restriction 2019																																																											
M3020	Easter Restriction 2019	5	18-Apr-19*	22-Apr-19	0	■ Easter Restriction 2019																																																											
M3030	Memorial Day Restriction 2019	4	24-May-19	27-May-19	0	■ Memorial Day Restriction 2019																																																											
M3040	Independence Day Restriction 2019	7	02-Jul-19*	08-Jul-19	0	■ Independence Day Restriction 2019																																																											
M3050	Tax Free Weekend Restriction 2019	3	26-Jul-19*	28-Jul-19	0	■ Tax Free Weekend Restriction 2019																																																											
M3060	Labor Day Restriction 2019	4	30-Aug-19*	02-Sep-19	0	■ Labor Day Restriction 2019																																																											
M3070	Sales Tax Holiday Restriction 2019	3	27-Sep-19*	29-Sep-19	0	■ Sales Tax Holiday Restriction 2019																																																											
M3080	Thanksgiving Restriction 2019	5	27-Nov-19*	01-Dec-19	0	■ Thanksgiving Restriction 2019																																																											
M3090	Augusta Canal Recreational Shutdown Window 2019	122	01-Dec-19*	31-Mar-20	0	■ Augusta Canal Recreational Shutdown Window 2019																																																											
M3100	Augusta Canal Towpath Shutdown Window 2019	91	01-Dec-19*	29-Feb-20	0	■ Augusta Canal Towpath Shutdown Window 2019																																																											
M3110	Christmas/New Year Restriction 2019	12	23-Dec-19*	03-Jan-20	0	■ Christmas/New Year Restriction 2019																																																											
2020																																																																	
M3120	Spring Break Restriction 2020	10	13-Mar-20*	22-Mar-20	0	■ Spring Break Restriction 2020																																																											
M3130	Masters Tournament Restriction 2020	10	03-Apr-20*	12-Apr-20	0	■ Masters Tournament Restriction 2020																																																											
M3140	Easter Restriction 2020	5	09-Apr-20*	13-Apr-20	0	■ Easter Restriction 2020																																																											
M3150	Memorial Day Restriction 2020	4	22-May-20	25-May-20	0	■ Memorial Day Restriction 2020																																																											
M3160	Independence Day Restriction 2020	5	02-Jul-20*	06-Jul-20	0	■ Independence Day Restriction 2020																																																											
M3170	Tax Free Weekend Restriction 2020	3	24-Jul-20*	26-Jul-20	0	■ Tax Free Weekend Restriction 2020																																																											
M3180	Labor Day Restriction 2020	4	28-Aug-20*	31-Aug-20	0	■ Labor Day Restriction 2020																																																											
M3190	Sales Tax Holiday Restriction 2020	3	25-Sep-20*	27-Sep-20	0	■ Sales Tax Holiday Restriction 2020																																																											
M3200	Thanksgiving Restriction 2020	5	25-Nov-20*	29-Nov-20	0	■ Thanksgiving Restriction 2020																																																											
M3210	Augusta Canal Recreational Shutdown Window 2020	120	01-Dec-20*	30-Mar-21	0	■ Augusta Canal Recreational Shutdown Window 2020																																																											
M3220	Augusta Canal Towpath Shutdown Window 2020	90	01-Dec-20*	28-Feb-21	0	■ Augusta Canal Towpath Shutdown Window 2020																																																											
M3230	Christmas/New Year Restriction 2020	12	23-Dec-20*	03-Jan-21	0	■ Christmas/New Year Restriction 2020																																																											
2021																																																																	
M3240	Spring Break Restriction 2021	10	12-Mar-21*	21-Mar-21	0	■ Spring Break Restriction 2021																																																											
M3250	Easter Restriction 2021	5	01-Apr-21*	05-Apr-21	0	■ Easter Restriction 2021																																																											
M3260	Masters Tournament Restriction 2021	10	02-Apr-21*	11-Apr-21	0	■ Masters Tournament Restriction 2021																																																											
M3270	Memorial Day Restriction 2021	4	21-May-21	24-May-21	0	■ Memorial Day Restriction 2021																																																											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019												2020												2021												2022												2023															
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D														
						[Calendar Grid]																																																															
A3910	Construct Concrete Finishes Deck 10 for Savannah River Br. Ph. 1	5	14-Apr-20	20-Apr-20	0	Construct Concrete Finishes Deck 10 for Savannah River Br. Ph. 1 20-Apr-20, Eastern Approach (Sta 380+01 - 442+22)																																																															
Eastern Approach (Sta 380+01 - 442+22)						130	22-Oct-19	20-Apr-20	0																																																												
A1060	Prepare & Grade to Subgrade Eastern Approach Phase 1	15	22-Oct-19	11-Nov-19	0	Prepare & Grade to Subgrade Eastern Approach Phase 1																																																															
A2540	Construct 4 X 4 Box Culvert @ Sta. 420+41	20	12-Nov-19	09-Dec-19	0	Construct 4 X 4 Box Culvert @ Sta. 420+41																																																															
A2770	Relocate Exst. ITS Pole & Cabinet @ Sta. 380	5	12-Nov-19	18-Nov-19	35	Relocate Exst. ITS Pole & Cabinet @ Sta. 380																																																															
A2550	Construct 4 X 6 Box Culvert @ Sta. 422+99	20	10-Dec-19	06-Jan-20	0	Construct 4 X 6 Box Culvert @ Sta. 422+99																																																															
A1140	Place Aggregate Base Eastern Approach Phase 1	20	07-Jan-20	03-Feb-20	0	Place Aggregate Base Eastern Approach Phase 1																																																															
A2560	Place HMA Base Eastern Approach Phase 1	20	04-Feb-20	02-Mar-20	0	Place HMA Base Eastern Approach Phase 1																																																															
A2570	Place Concrete Pvmt. Eastern Approach Phase 1	30	03-Mar-20	13-Apr-20	0	Place Concrete Pvmt. Eastern Approach Phase 1																																																															
A2780	Install Cable Barrier Sta. 437-443	5	14-Apr-20	20-Apr-20	0	Install Cable Barrier Sta. 437-443																																																															
Phase 2						207	28-Apr-20	10-Feb-21	0	Mobilization Phase 2																																																											
A1500	Mobilization Phase 2	15	28-Apr-20	18-May-20	0	Mobilization Phase 2																																																															
A4900	Demo Exist. WB Lanes Savannah River Br. -> 442	30	19-May-20	29-Jun-20	0	Demo Exist. WB Lanes Savannah River Br. -> 442																																																															
A1510	Demo Exist. WB Lanes 317-367 incl. Augusta Canal Br.	15	30-Jun-20	20-Jul-20	12	Demo Exist. WB Lanes 317-367 incl. Augusta Canal Br.																																																															
A1980	Shift Westbound Traffic to Phase 2 / Eastbound to Phase 1	20	14-Jan-21	10-Feb-21	0	Shift Westbound Traffic to Phase 2 / Eastbound to Phase 1																																																															
Western Approach (Sta 317+80 - 351+20)						47	21-Jul-20	23-Sep-20	80	23-Sep-20, Western Approach (Sta 317+80 - 351+20)																																																											
A1540	Prepare & Grade to Subgrade Western Approach Phase 2	5	21-Jul-20	27-Jul-20	12	Prepare & Grade to Subgrade Western Approach Phase 2																																																															
A1720	Place Aggregate Base Western Approach Phase 2	5	28-Jul-20	03-Aug-20	103	Place Aggregate Base Western Approach Phase 2																																																															
A2640	Relocate Exst. Fence @ Augusta Canal (west)	2	04-Aug-20	05-Aug-20	115	Relocate Exst. Fence @ Augusta Canal (west)																																																															
A2610	Place Asphalt Base Western Approach Phase 2	2	04-Sep-20	07-Sep-20	80	Place Asphalt Base Western Approach Phase 2																																																															
A2620	Place Concrete Pvmt. Western Approach Phase 2	10	08-Sep-20	21-Sep-20	80	Place Concrete Pvmt. Western Approach Phase 2																																																															
A2630	Install Guardrail Western Approach Phase 2	2	22-Sep-20	23-Sep-20	80	Install Guardrail Western Approach Phase 2																																																															
Augusta Canal Bridge (Sta 351+20 - 355+10)						5	21-Jul-20	27-Jul-20	63	27-Jul-20, Augusta Canal Bridge (Sta 351+20 - 355+10)																																																											
A1520	Construct Temporary Tressle/Work Platform at Augusta Canal Phase 2	5	21-Jul-20	27-Jul-20	63	Construct Temporary Tressle/Work Platform at Augusta Canal Phase 2																																																															
Columns & Bents						44	28-Jul-20	25-Sep-20	68	25-Sep-20, Columns & Bents																																																											
A1570	Drive Pile @ Bent 01 for Augusta Canal Bridge Phase 2	5	28-Jul-20	03-Aug-20	68	Drive Pile @ Bent 01 for Augusta Canal Bridge Phase 2																																																															
A3160	Drive Pile @ Bent 08 for Augusta Canal Br. Ph. 2	5	28-Jul-20	03-Aug-20	63	Drive Pile @ Bent 08 for Augusta Canal Br. Ph. 2																																																															
A1600	Form & Pour Bent 01 for Augusta Canal Bridge Phase 2	5	04-Aug-20	10-Aug-20	68	Form & Pour Bent 01 for Augusta Canal Bridge Phase 2																																																															
A3170	Form & Pour Bent 08 for Augusta Canal Br. Ph. 2	5	04-Aug-20	10-Aug-20	63	Form & Pour Bent 08 for Augusta Canal Br. Ph. 2																																																															
A1650	Set Platform & Drive Shafts @ Bent 02 for Augusta Canal Br. Ph. 2	5	11-Aug-20	17-Aug-20	68	Set Platform & Drive Shafts @ Bent 02 for Augusta Canal Br. Ph. 2																																																															
A3180	Set Platform & Drive Shafts @ Bent 07 for Augusta Canal Br. Ph. 2	5	11-Aug-20	17-Aug-20	63	Set Platform & Drive Shafts @ Bent 07 for Augusta Canal Br. Ph. 2																																																															
A1680	Place Column & Cap @ Bent 02 for Augusta Canal Bridge Phase 2	3	18-Aug-20	20-Aug-20	68	Place Column & Cap @ Bent 02 for Augusta Canal Bridge Phase 2																																																															
A3190	Place Column & Cap @ Bent 07 for Augusta Canal Br. Ph. 2	3	18-Aug-20	20-Aug-20	63	Place Column & Cap @ Bent 07 for Augusta Canal Br. Ph. 2																																																															
A1710	Move Platform & Drive Shafts @ Bent 03 for Augusta Canal Br. Ph. 2	5	28-Aug-20	03-Sep-20	68	Move Platform & Drive Shafts @ Bent 03 for Augusta Canal Br. Ph. 2																																																															
A3200	Move Platform & Drive Shafts @ Bent 06 for Augusta Canal Br. Ph. 2	5	28-Aug-20	03-Sep-20	63	Move Platform & Drive Shafts @ Bent 06 for Augusta Canal Br. Ph. 2																																																															
A3130	Place Column & Cap @ Bent 03 for Augusta Canal Br. Ph. 2	3	04-Sep-20	08-Sep-20	68	Place Column & Cap @ Bent 03 for Augusta Canal Br. Ph. 2																																																															
A3210	Place Column & Cap @ Bent 06 for Augusta Canal Br. Ph. 2	3	04-Sep-20	08-Sep-20	63	Place Column & Cap @ Bent 06 for Augusta Canal Br. Ph. 2																																																															
A3140	Move Platform & Drive Shafts @ Bent 04 for Augusta Canal Br. Ph. 2	5	16-Sep-20	22-Sep-20	68	Move Platform & Drive Shafts @ Bent 04 for Augusta Canal Br. Ph. 2																																																															
A3220	Move Platform & Drive Shafts @ Bent 05 for Augusta Canal Br. Ph. 2	5	16-Sep-20	22-Sep-20	63	Move Platform & Drive Shafts @ Bent 05 for Augusta Canal Br. Ph. 2																																																															
A3150	Place Column & Cap @ Bent 04 for Augusta Canal Br. Ph. 2	3	23-Sep-20	25-Sep-20	68	Place Column & Cap @ Bent 04 for Augusta Canal Br. Ph. 2																																																															
A3230	Place Column & Cap @ Bent 05 for Augusta Canal Br. Ph. 2	3	23-Sep-20	25-Sep-20	63	Place Column & Cap @ Bent 05 for Augusta Canal Br. Ph. 2																																																															
Girders & Deck Spans						41	21-Aug-20	16-Oct-20	63	16-Oct-20, Girders & Deck Spans																																																											
A1750	Set Girders & Precast Deck 01 for Augusta Canal Bridge Phase 2	5	21-Aug-20	27-Aug-20	68	Set Girders & Precast Deck 01 for Augusta Canal Bridge Phase 2																																																															
A3260	Set Girders & Precast Deck 07 for Augusta Canal Bridge Phase 2	5	21-Aug-20	27-Aug-20	63	Set Girders & Precast Deck 07 for Augusta Canal Bridge Phase 2																																																															
A3270	Construct Concrete Finishes Deck 01 for Augusta Canal Br. Ph. 2	5	28-Aug-20	03-Sep-20	80	Construct Concrete Finishes Deck 01 for Augusta Canal Br. Ph. 2																																																															

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019												2020												2021												2022												2023													
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
A3330	Construct Concrete Finishes Deck 07 for Augusta Canal Br. Ph. 2	5	28-Aug-20	03-Sep-20	77																																																														
A1780	Set Girders & Precast Deck 02 for Augusta Canal Bridge Phase 2	5	09-Sep-20	15-Sep-20	68																																																														
A3250	Set Girders & Precast Deck 06 for Augusta Canal Bridge Phase 2	5	09-Sep-20	15-Sep-20	63																																																														
A3280	Construct Concrete Finishes Deck 02 for Augusta Canal Br. Ph. 2	5	16-Sep-20	22-Sep-20	76																																																														
A3320	Construct Concrete Finishes Deck 06 for Augusta Canal Br. Ph. 2	5	16-Sep-20	22-Sep-20	71																																																														
A1810	Set Girders & Precast Deck 03 for Augusta Canal Bridge Phase 2	5	28-Sep-20	02-Oct-20	68																																																														
A1840	Set Girders & Precast Deck 04 for Augusta Canal Bridge Phase 2	5	28-Sep-20	02-Oct-20	68																																																														
A3240	Set Girders & Precast Deck 05 for Augusta Canal Bridge Phase 2	5	28-Sep-20	02-Oct-20	63																																																														
A3290	Construct Concrete Finishes Deck 03 for Augusta Canal Br. Ph. 2	5	05-Oct-20	09-Oct-20	68																																																														
A3310	Construct Concrete Finishes Deck 05 for Augusta Canal Br. Ph. 2	5	05-Oct-20	09-Oct-20	63																																																														
A3300	Construct Concrete Finishes Deck 04 for Augusta Canal Br. Ph. 2	5	12-Oct-20	16-Oct-20	63																																																														
Internal Transition (Sta 355+10 - 366+85)		47	24-Jul-20	28-Sep-20	77																																																														
A1640	Place Aggregate Base Internal Transition Phase 2	7	24-Jul-20	03-Aug-20	93																																																														
A1560	Prepare & Grade to Subgrade Internal Transition Phase 2	5	28-Jul-20	03-Aug-20	12																																																														
A2650	Construct Bio Retention MS4 02	15	04-Aug-20	24-Aug-20	85																																																														
A2660	Construct Gravel Maint. Rd. Internal Transition Phase 2	7	04-Aug-20	12-Aug-20	93																																																														
A2700	Install Fencing Internal Transition Phase 2	5	25-Aug-20	31-Aug-20	97																																																														
A2670	Place Asphalt Base Internal Transition Phase 2	2	04-Sep-20	07-Sep-20	77																																																														
A2680	Place Concrete Pvm. Internal Transition Phase 2	10	08-Sep-20	21-Sep-20	77																																																														
A2690	Install Guardrail Internal Transition Phase 2	5	22-Sep-20	28-Sep-20	77																																																														
Savannah River Bridge (Sta 366+85 - 380+01)		10	30-Jun-20	13-Jul-20	0																																																														
A1530	Construct Temporary Trestle/Work Platform at Savannah River Bridge Phase 2	10	30-Jun-20	13-Jul-20	0																																																														
Columns & Bents		122	14-Jul-20	30-Dec-20	0																																																														
A1580	Drive Piles @ Bent 01 for Savannah River Bridge Phase 2	5	14-Jul-20	20-Jul-20	0																																																														
A4050	Drive Piles @ Bent 19 for Savannah River Br. Ph. 2	5	14-Jul-20	20-Jul-20	8																																																														
A1590	Form & Pour Bent 01 for Savannah River Bridge Phase 2	5	21-Jul-20	27-Jul-20	0																																																														
A4060	Form & Pour Bent 19 for Savannah River Br. Ph. 2	5	21-Jul-20	27-Jul-20	8																																																														
A1610	Set Platform & Drive Shafts Bent 02 for Savannah River Br. Ph. 2	5	28-Jul-20	03-Aug-20	0																																																														
A4070	Set Platform & Drive Shafts Bent 18 for Savannah River Br. Ph. 2	5	28-Jul-20	03-Aug-20	8																																																														
A1620	Place Column & Cap @ Bent 02 for Savannah River Bridge Phase 2	3	04-Aug-20	06-Aug-20	0																																																														
A4080	Place Column & Cap @ Bent 18 for Savannah River Br. Ph. 2	3	04-Aug-20	06-Aug-20	8																																																														
A1660	Move Platform & Drive Shafts Bent 03 for Savannah River Br. Ph. 2	5	14-Aug-20	20-Aug-20	0																																																														
A4090	Move Platform & Drive Shafts Bent 17 for Savannah River Br. Ph. 2	5	14-Aug-20	20-Aug-20	8																																																														
A1670	Place Column & Cap @ Bent 03 for Savannah River Bridge Phase 2	3	21-Aug-20	25-Aug-20	0																																																														
A4100	Place Column & Cap @ Bent 17 for Savannah River Br. Ph. 2	3	21-Aug-20	25-Aug-20	8																																																														
A1690	Move Platform & Drive Shafts Bent 04 for Savannah River Br. Ph. 2	5	02-Sep-20	08-Sep-20	0																																																														
A4110	Move Platform & Drive Shafts Bent 16 for Savannah River Br. Ph. 2	5	02-Sep-20	08-Sep-20	8																																																														
A1700	Place Column & Cap @ Bent 04 for Savannah River Bridge Phase 2	3	09-Sep-20	11-Sep-20	0																																																														
A4120	Place Column & Cap @ Bent 16 for Savannah River Br. Ph. 2	3	09-Sep-20	11-Sep-20	8																																																														
A1730	Move Platform & Drive Shafts Bent 05 for Savannah River Br. Ph. 2	5	21-Sep-20	25-Sep-20	0																																																														
A4130	Move Platform & Drive Shafts Bent 15 for Savannah River Br. Ph. 2	5	21-Sep-20	25-Sep-20	8																																																														
A1740	Place Column & Cap @ Bent 05 for Savannah River Bridge Phase 2	3	28-Sep-20	30-Sep-20	0																																																														
A4140	Place Column & Cap @ Bent 15 for Savannah River Br. Ph. 2	3	28-Sep-20	30-Sep-20	8																																																														
A1760	Move Platform & Drive Shafts Bent 06 for Savannah River Br. Ph. 2	5	08-Oct-20	14-Oct-20	0																																																														
A4150	Move Platform & Drive Shafts Bent 14 for Savannah River Br. Ph. 2	5	08-Oct-20	14-Oct-20	8																																																														
A1770	Place Column & Cap @ Bent 06 for Savannah River Bridge Phase 2	3	15-Oct-20	19-Oct-20	0																																																														

GDOT - I-20 @ Savannah River Bridge Replacement		Classic Schedule Layout													25-Sep-18 11:58																																		
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019					2020					2021					2022					2023																							
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Girders & Deck Spans		41	08-Jun-21	03-Aug-21	63																			▼ 03-Aug-21, Girders & Deck Spans																									
A2240	Set Girders & Precast Deck 01 for Augusta Canal Bridge Phase 3	5	08-Jun-21	14-Jun-21	68																			■ Set Girders & Precast Deck 01 for Augusta Canal Bridge Phase 3																									
A3470	Set Girders & Precast Deck 07 for Augusta Canal Bridge Phase 3	5	08-Jun-21	14-Jun-21	63																			■ Set Girders & Precast Deck 07 for Augusta Canal Bridge Phase 3																									
A3480	Construct Concrete Finishes Deck 01 for Augusta Canal Br. Ph. 3	5	15-Jun-21	21-Jun-21	80																			■ Construct Concrete Finishes Deck 01 for Augusta Canal Br. Ph. 3																									
A3540	Construct Concrete Finishes Deck 07 for Augusta Canal Br. Ph. 3	5	15-Jun-21	21-Jun-21	77																			■ Construct Concrete Finishes Deck 07 for Augusta Canal Br. Ph. 3																									
A2270	Set Girders & Precast Deck 02 for Augusta Canal Bridge Phase 3	5	25-Jun-21	01-Jul-21	68																			■ Set Girders & Precast Deck 02 for Augusta Canal Bridge Phase 3																									
A3460	Set Girders & Precast Deck 06 for Augusta Canal Bridge Phase 3	5	25-Jun-21	01-Jul-21	63																			■ Set Girders & Precast Deck 06 for Augusta Canal Bridge Phase 3																									
A3490	Construct Concrete Finishes Deck 02 for Augusta Canal Br. Ph. 3	5	02-Jul-21	08-Jul-21	76																			■ Construct Concrete Finishes Deck 02 for Augusta Canal Br. Ph. 3																									
A3530	Construct Concrete Finishes Deck 06 for Augusta Canal Br. Ph. 3	5	02-Jul-21	08-Jul-21	71																			■ Construct Concrete Finishes Deck 06 for Augusta Canal Br. Ph. 3																									
A2300	Set Girders & Precast Deck 03 for Augusta Canal Bridge Phase 3	5	14-Jul-21	20-Jul-21	68																			■ Set Girders & Precast Deck 03 for Augusta Canal Bridge Phase 3																									
A2330	Set Girders & Precast Deck 04 for Augusta Canal Bridge Phase 3	5	14-Jul-21	20-Jul-21	68																			■ Set Girders & Precast Deck 04 for Augusta Canal Bridge Phase 3																									
A3450	Set Girders & Precast Deck 05 for Augusta Canal Bridge Phase 3	5	14-Jul-21	20-Jul-21	63																			■ Set Girders & Precast Deck 05 for Augusta Canal Bridge Phase 3																									
A3500	Construct Concrete Finishes Deck 03 for Augusta Canal Br. Ph. 3	5	21-Jul-21	27-Jul-21	68																			■ Construct Concrete Finishes Deck 03 for Augusta Canal Br. Ph. 3																									
A3520	Construct Concrete Finishes Deck 05 for Augusta Canal Br. Ph. 3	5	21-Jul-21	27-Jul-21	63																			■ Construct Concrete Finishes Deck 05 for Augusta Canal Br. Ph. 3																									
A3510	Construct Concrete Finishes Deck 04 for Augusta Canal Br. Ph. 3	5	28-Jul-21	03-Aug-21	63																			■ Construct Concrete Finishes Deck 04 for Augusta Canal Br. Ph. 3																									
Internal Transition (Sta 355+10 - 366+85)		47	11-May-21	14-Jul-21	77																			▼ 14-Jul-21, Internal Transition (Sta 355+10 - 366+85)																									
A2130	Place Aggregate Base Internal Transition Phase 3	7	11-May-21	19-May-21	93																			■ Place Aggregate Base Internal Transition Phase 3																									
A2050	Prepare & Grade to Subgrade Internal Transition Phase 3	5	13-May-21	19-May-21	20																			■ Prepare & Grade to Subgrade Internal Transition Phase 3																									
A2830	Construct Bio Retention MS4 01 and Swale MS4 BMP	15	20-May-21	09-Jun-21	85																			■ Construct Bio Retention MS4 01 and Swale MS4 BMP																									
A2840	Construct Gravel Maint. Road Internal Transition Phase 3	7	20-May-21	28-May-21	93																			■ Construct Gravel Maint. Road Internal Transition Phase 3																									
A2870	Tie to Exst. Fencing Internal Transition Phase 3	3	10-Jun-21	14-Jun-21	99																			■ Tie to Exst. Fencing Internal Transition Phase 3																									
A2850	Place Asphalt Base Internal Transition Phase 3	2	22-Jun-21	23-Jun-21	77																			■ Place Asphalt Base Internal Transition Phase 3																									
A2860	Place Concrete Pvm. Internal Transition Phase 3	10	24-Jun-21	07-Jul-21	77																			■ Place Concrete Pvm. Internal Transition Phase 3																									
A2880	Install Guardrail Internal Transition Phase 3	5	08-Jul-21	14-Jul-21	77																			■ Install Guardrail Internal Transition Phase 3																									
Savannah River Bridge (Sta 366+85 - 380+01)		10	15-Apr-21	28-Apr-21	0																			▼ 28-Apr-21, Savannah River Bridge (Sta 366+85 - 380+01)																									
A2020	Construct Temporary Tressle/Work Platform at Savannah River Bridge Phase 3	10	15-Apr-21	28-Apr-21	0																			■ Construct Temporary Tressle/Work Platform at Savannah River Bridge Phase 3																									
Columns & Bents		122	29-Apr-21	15-Oct-21	0																			▼ 15-Oct-21, Columns & Bents																									
A2070	Drive Piles @ Bent 01 for Savannah River Bridge Phase 3	5	29-Apr-21	05-May-21	0																			■ Drive Piles @ Bent 01 for Savannah River Bridge Phase 3																									
A4500	Drive Piles @ Bent 19 for Savannah River Br. Ph. 3	5	29-Apr-21	05-May-21	8																			■ Drive Piles @ Bent 19 for Savannah River Br. Ph. 3																									
A2080	Form & Pour Bent 01for Savannah River Bridge Phase 3	5	06-May-21	12-May-21	0																			■ Form & Pour Bent 01for Savannah River Bridge Phase 3																									
A4510	Form & Pour Bent 19 for Savannah River Br. Ph. 3	5	06-May-21	12-May-21	8																			■ Form & Pour Bent 19 for Savannah River Br. Ph. 3																									
A2100	Set Platform & Drive Shafts Bent 02 for Savannah River Br. Ph. 3	5	13-May-21	19-May-21	0																			■ Set Platform & Drive Shafts Bent 02 for Savannah River Br. Ph. 3																									
A4520	Set Platform & Drive Shafts Bent 18 for Savannah River Br. Ph. 3	5	13-May-21	19-May-21	8																			■ Set Platform & Drive Shafts Bent 18 for Savannah River Br. Ph. 3																									
A2110	Place Column & Cap @ Bent 02 for Savannah River Bridge Phase 3	3	20-May-21	24-May-21	0																			■ Place Column & Cap @ Bent 02 for Savannah River Bridge Phase 3																									
A4530	Place Column & Cap @ Bent 18 for Savannah River Br. Ph. 3	3	20-May-21	24-May-21	8																			■ Place Column & Cap @ Bent 18 for Savannah River Br. Ph. 3																									
A2150	Move Platform & Drive Shafts Bent 03 for Savannah River Br. Ph. 3	5	01-Jun-21	07-Jun-21	0																			■ Move Platform & Drive Shafts Bent 03 for Savannah River Br. Ph. 3																									
A4540	Move Platform & Drive Shafts Bent 17 for Savannah River Br. Ph. 3	5	01-Jun-21	07-Jun-21	8																			■ Move Platform & Drive Shafts Bent 17 for Savannah River Br. Ph. 3																									
A2160	Place Column & Cap @ Bent 03 for Savannah River Bridge Phase 3	3	08-Jun-21	10-Jun-21	0																			■ Place Column & Cap @ Bent 03 for Savannah River Bridge Phase 3																									
A4550	Place Column & Cap @ Bent 17 for Savannah River Br. Ph. 3	3	08-Jun-21	10-Jun-21	8																			■ Place Column & Cap @ Bent 17 for Savannah River Br. Ph. 3																									
A2180	Move Platform & Drive Shafts Bent 04 for Savannah River Br. Ph. 3	5	18-Jun-21	24-Jun-21	0																			■ Move Platform & Drive Shafts Bent 04 for Savannah River Br. Ph. 3																									
A4560	Move Platform & Drive Shafts Bent 16 for Savannah River Br. Ph. 3	5	18-Jun-21	24-Jun-21	8																			■ Move Platform & Drive Shafts Bent 16 for Savannah River Br. Ph. 3																									
A2190	Place Column & Cap @ Bent 04 for Savannah River Bridge Phase 3	3	25-Jun-21	29-Jun-21	0																			■ Place Column & Cap @ Bent 04 for Savannah River Bridge Phase 3																									
A4570	Place Column & Cap @ Bent 16 for Savannah River Br. Ph. 3	3	25-Jun-21	29-Jun-21	8																			■ Place Column & Cap @ Bent 16 for Savannah River Br. Ph. 3																									
A2220	Move Platform & Drive Shafts Bent 05 for Savannah River Br. Ph. 3	5	07-Jul-21	13-Jul-21	0																			■ Move Platform & Drive Shafts Bent 05 for Savannah River Br. Ph. 3																									
A4580	Move Platform & Drive Shafts Bent 15 for Savannah River Br. Ph. 3	5	07-Jul-21	13-Jul-21	8																			■ Move Platform & Drive Shafts Bent 15 for Savannah River Br. Ph. 3																									
A2230	Place Column & Cap @ Bent 05 for Savannah River Bridge Phase 3	3	14-Jul-21	16-Jul-21	0																			■ Place Column & Cap @ Bent 05 for Savannah River Bridge Phase 3																									

■ Actual Work
 ■ Critical Remaining Work
 ▼ Summary
■ Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019												2020												2021												2022												2023													
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
A4590	Place Column & Cap @ Bent 15 for Savannah River Br. Ph. 3	3	14-Jul-21	16-Jul-21	8																																					Place Column & Cap @ Bent 15 for Savannah River Br. Ph. 3																									
A2250	Move Platform & Drive Shafts Bent 06 for Savannah River Br. Ph. 3	5	26-Jul-21	30-Jul-21	0																																					Move Platform & Drive Shafts Bent 06 for Savannah River Br. Ph. 3																									
A4600	Move Platform & Drive Shafts Bent 14 for Savannah River Br. Ph. 3	5	26-Jul-21	30-Jul-21	8																																					Move Platform & Drive Shafts Bent 14 for Savannah River Br. Ph. 3																									
A2260	Place Column & Cap @ Bent 06 for Savannah River Bridge Phase 3	3	02-Aug-21	04-Aug-21	0																																					Place Column & Cap @ Bent 06 for Savannah River Bridge Phase 3																									
A4610	Place Column & Cap @ Bent 14 for Savannah River Br. Ph. 3	3	02-Aug-21	04-Aug-21	8																																					Place Column & Cap @ Bent 14 for Savannah River Br. Ph. 3																									
A2280	Move Platform & Drive Shafts Bent 07 for Savannah River Br. Ph. 3	5	12-Aug-21	18-Aug-21	0																																					Move Platform & Drive Shafts Bent 07 for Savannah River Br. Ph. 3																									
A4620	Move Platform & Drive Shafts Bent 13 for Savannah River Br. Ph. 3	5	12-Aug-21	18-Aug-21	8																																					Move Platform & Drive Shafts Bent 13 for Savannah River Br. Ph. 3																									
A2290	Place Column & Cap @ Bent 07 for Savannah River Bridge Phase 3	3	19-Aug-21	23-Aug-21	0																																					Place Column & Cap @ Bent 07 for Savannah River Bridge Phase 3																									
A4630	Place Column & Cap @ Bent 13 for Savannah River Br. Ph. 3	3	19-Aug-21	23-Aug-21	8																																					Place Column & Cap @ Bent 13 for Savannah River Br. Ph. 3																									
A2310	Move Platform & Drive Shafts Bent 08 for Savannah River Br. Ph. 3	5	31-Aug-21	06-Sep-21	0																																					Move Platform & Drive Shafts Bent 08 for Savannah River Br. Ph. 3																									
A4640	Move Platform & Drive Shafts Bent 12 for Savannah River Br. Ph. 3	5	31-Aug-21	06-Sep-21	8																																					Move Platform & Drive Shafts Bent 12 for Savannah River Br. Ph. 3																									
A4450	Place Column & Cap @ Bent 08 for Savannah River Br. Ph. 3	3	07-Sep-21	09-Sep-21	0																																					Place Column & Cap @ Bent 08 for Savannah River Br. Ph. 3																									
A4650	Place Column & Cap @ Bent 12 for Savannah River Br. Ph. 3	3	07-Sep-21	09-Sep-21	8																																					Place Column & Cap @ Bent 12 for Savannah River Br. Ph. 3																									
A4460	Move Platform & Drive Shafts Bent 09 for Savannah River Br. Ph. 3	5	17-Sep-21	23-Sep-21	0																																					Move Platform & Drive Shafts Bent 09 for Savannah River Br. Ph. 3																									
A4660	Move Platform & Drive Shafts Bent 11 for Savannah River Br. Ph. 3	5	17-Sep-21	23-Sep-21	8																																					Move Platform & Drive Shafts Bent 11 for Savannah River Br. Ph. 3																									
A4470	Place Column & Cap @ Bent 09 for Savannah River Br. Ph. 3	3	24-Sep-21	28-Sep-21	0																																					Place Column & Cap @ Bent 09 for Savannah River Br. Ph. 3																									
A4670	Place Column & Cap @ Bent 11 for Savannah River Br. Ph. 3	3	24-Sep-21	28-Sep-21	8																																					Place Column & Cap @ Bent 11 for Savannah River Br. Ph. 3																									
A4480	Move Platform & Drive Shafts Bent 10 for Savannah River Br. Ph. 3	5	06-Oct-21	12-Oct-21	0																																					Move Platform & Drive Shafts Bent 10 for Savannah River Br. Ph. 3																									
A4490	Place Column & Cap @ Bent 10 for Savannah River Br. Ph. 3	3	13-Oct-21	15-Oct-21	0																																					Place Column & Cap @ Bent 10 for Savannah River Br. Ph. 3																									
Girders & Deck Spans		114	25-May-21	29-Oct-21	0																																					29-Oct-21, Girders & Deck Spans																									
A2320	Set Girders & Precast Deck 01 for Savannah River Bridge Phase 3	5	25-May-21	31-May-21	0																																					Set Girders & Precast Deck 01 for Savannah River Bridge Phase 3																									
A4710	Set Girders & Precast Deck 18 for Savannah River Bridge Phase 3	5	25-May-21	31-May-21	8																																					Set Girders & Precast Deck 18 for Savannah River Bridge Phase 3																									
A4720	Construct Concrete Finishes Deck 01 for Savannah River Br. Ph. 3	5	01-Jun-21	07-Jun-21	64																																					Construct Concrete Finishes Deck 01 for Savannah River Br. Ph. 3																									
A4890	Construct Concrete Finishes Deck 18 for Savannah River Br. Ph. 3	5	01-Jun-21	07-Jun-21	47																																					Construct Concrete Finishes Deck 18 for Savannah River Br. Ph. 3																									
A2340	Set Girders & Precast Deck 02 for Savannah River Bridge Phase 3	5	11-Jun-21	17-Jun-21	0																																					Set Girders & Precast Deck 02 for Savannah River Bridge Phase 3																									
A4700	Set Girders & Precast Deck 17 for Savannah River Bridge Phase 3	5	11-Jun-21	17-Jun-21	8																																					Set Girders & Precast Deck 17 for Savannah River Bridge Phase 3																									
A4730	Construct Concrete Finishes Deck 02 for Savannah River Br. Ph. 3	5	18-Jun-21	24-Jun-21	56																																					Construct Concrete Finishes Deck 02 for Savannah River Br. Ph. 3																									
A4880	Construct Concrete Finishes Deck 17 for Savannah River Br. Ph. 3	5	18-Jun-21	24-Jun-21	56																																					Construct Concrete Finishes Deck 17 for Savannah River Br. Ph. 3																									
A2360	Set Girders & Precast Deck 03 for Savannah River Bridge Phase 3	5	30-Jun-21	06-Jul-21	0																																					Set Girders & Precast Deck 03 for Savannah River Bridge Phase 3																									
A4690	Set Girders & Precast Deck 16 for Savannah River Bridge Phase 3	5	30-Jun-21	06-Jul-21	8																																					Set Girders & Precast Deck 16 for Savannah River Bridge Phase 3																									
A4740	Construct Concrete Finishes Deck 03 for Savannah River Br. Ph. 3	5	07-Jul-21	13-Jul-21	48																																					Construct Concrete Finishes Deck 03 for Savannah River Br. Ph. 3																									
A4870	Construct Concrete Finishes Deck 16 for Savannah River Br. Ph. 3	5	07-Jul-21	13-Jul-21	48																																					Construct Concrete Finishes Deck 16 for Savannah River Br. Ph. 3																									
A2380	Set Girders & Precast Deck 04 for Savannah River Bridge Phase 3	5	19-Jul-21	23-Jul-21	0																																					Set Girders & Precast Deck 04 for Savannah River Bridge Phase 3																									
A4680	Set Girders & Precast Deck 15 for Savannah River Bridge Phase 3	5	19-Jul-21	23-Jul-21	8																																					Set Girders & Precast Deck 15 for Savannah River Bridge Phase 3																									
A4750	Construct Concrete Finishes Deck 04 for Savannah River Br. Ph. 3	5	26-Jul-21	30-Jul-21	40																																					Construct Concrete Finishes Deck 04 for Savannah River Br. Ph. 3																									
A4860	Construct Concrete Finishes Deck 15 for Savannah River Br. Ph. 3	5	26-Jul-21	30-Jul-21	40																																					Construct Concrete Finishes Deck 15 for Savannah River Br. Ph. 3																									
A2400	Set Girders & Precast Deck 05 for Savannah River Bridge Phase 3	5	05-Aug-21	11-Aug-21	0																																					Set Girders & Precast Deck 05 for Savannah River Bridge Phase 3																									
A2460	Set Girders & Precast Deck 14 for Savannah River Bridge Phase 3	5	05-Aug-21	11-Aug-21	8																																					Set Girders & Precast Deck 14 for Savannah River Bridge Phase 3																									
A4760	Construct Concrete Finishes Deck 05 for Savannah River Br. Ph. 3	5	12-Aug-21	18-Aug-21	32																																					Construct Concrete Finishes Deck 05 for Savannah River Br. Ph. 3																									
A4850	Construct Concrete Finishes Deck 14 for Savannah River Br. Ph. 3	5	12-Aug-21	18-Aug-21	32																																					Construct Concrete Finishes Deck 14 for Savannah River Br. Ph. 3																									
A2420	Set Girders & Precast Deck 06 for Savannah River Bridge Phase 3	5	24-Aug-21	30-Aug-21	0																																					Set Girders & Precast Deck 06 for Savannah River Bridge Phase 3																									
A2450	Set Girders & Precast Deck 13 for Savannah River Bridge Phase 3	5	24-Aug-21	30-Aug-21	8																																					Set Girders & Precast Deck 13 for Savannah River Bridge Phase 3																									
A4770	Construct Concrete Finishes Deck 06 for Savannah River Br. Ph. 3	5	31-Aug-21	06-Sep-21	24																																					Construct Concrete Finishes Deck 06 for Savannah River Br. Ph. 3																									
A4840	Construct Concrete Finishes Deck 13 for Savannah River Br. Ph. 3	5	31-Aug-21	06-Sep-21	24																																					Construct Concrete Finishes Deck 13 for Savannah River Br. Ph. 3																									
A2440	Set Girders & Precast Deck 07 for Savannah River Bridge Phase 3	5	10-Sep-21	16-Sep-21	0																																					Set Girders & Precast Deck 07 for Savannah River Bridge Phase 3																									
A2430	Set Girders & Precast Deck 12 for Savannah River Bridge Phase 3	5	10-Sep-21	16-Sep-21	8																																					Set Girders & Precast Deck 12 for Savannah River Bridge Phase 3																									



Late afternoon rendering of the I-20 Bridge over the Savannah River looking north



Aerial view of the I-20 Bridge over the Savannah River looking north east [rendering]



Driver's view of the I-20 Bridge over the Savannah River traveling east towards South Carolina [rendering]