

LENGTH DATA

EXCEPTIONS

NONE

EQUATIONS

NONE

SITE "A"

LENGTH OF ROADWAY	292.82 FT.	0.055 MI.
LENGTH OF BRIDGES	27.18 FT.	0.005 MI.
LENGTH OF PROJECT (NET)		0.060 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)		0.060 MI.

SITE "B"

LENGTH OF ROADWAY	281.04 FT.	0.053 MI.
LENGTH OF BRIDGES	68.96 FT.	0.013 MI.
LENGTH OF PROJECT (NET)		0.066 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)		0.066 MI.

TOTALS

LENGTH OF ROADWAY	0.108 MI.
LENGTH OF BRIDGES	0.018 MI.
LENGTH OF PROJECT (NET)	0.126 MI.
LENGTH OF EXCEPTIONS	0.000 MI.
LENGTH OF PROJECT (GROSS)	0.126 MI.

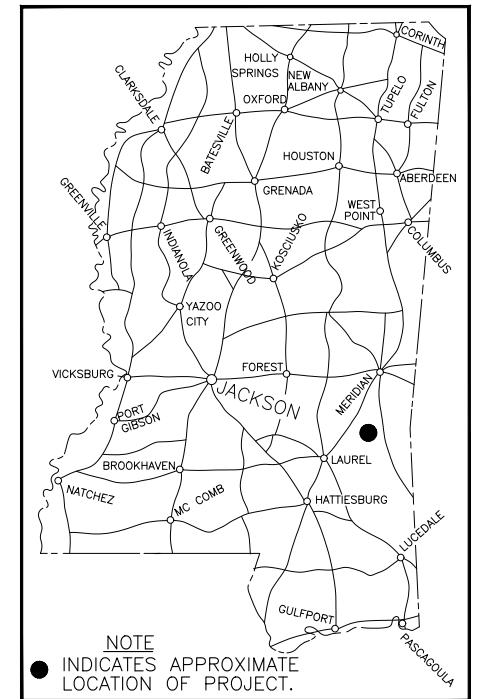
STATE OF MISSISSIPPI
OFFICE OF STATE AID ROAD CONSTRUCTION
PLAN AND PROFILE OF PROPOSED
COUNTY HIGHWAY
LOCAL SYSTEM BRIDGE PROJECT NO. LSBP - 84(1)
ROAD NAME
MISSISSIPPI COUNTY

SCALES :

PLAN	1" = 50'
PROFILE	HORIZ: 1" = 50' VERT: 1" = 5'
TITLE	1" = 1,000'

INDEX

FOR INDEX SEE SHEET NO. 2



NOTE
 ● INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE NUMBERS
 SITE "A" REPLACES SA84-001 with SA84-A001
 SITE "B" REPLACES SA84-002 with SA84-A002

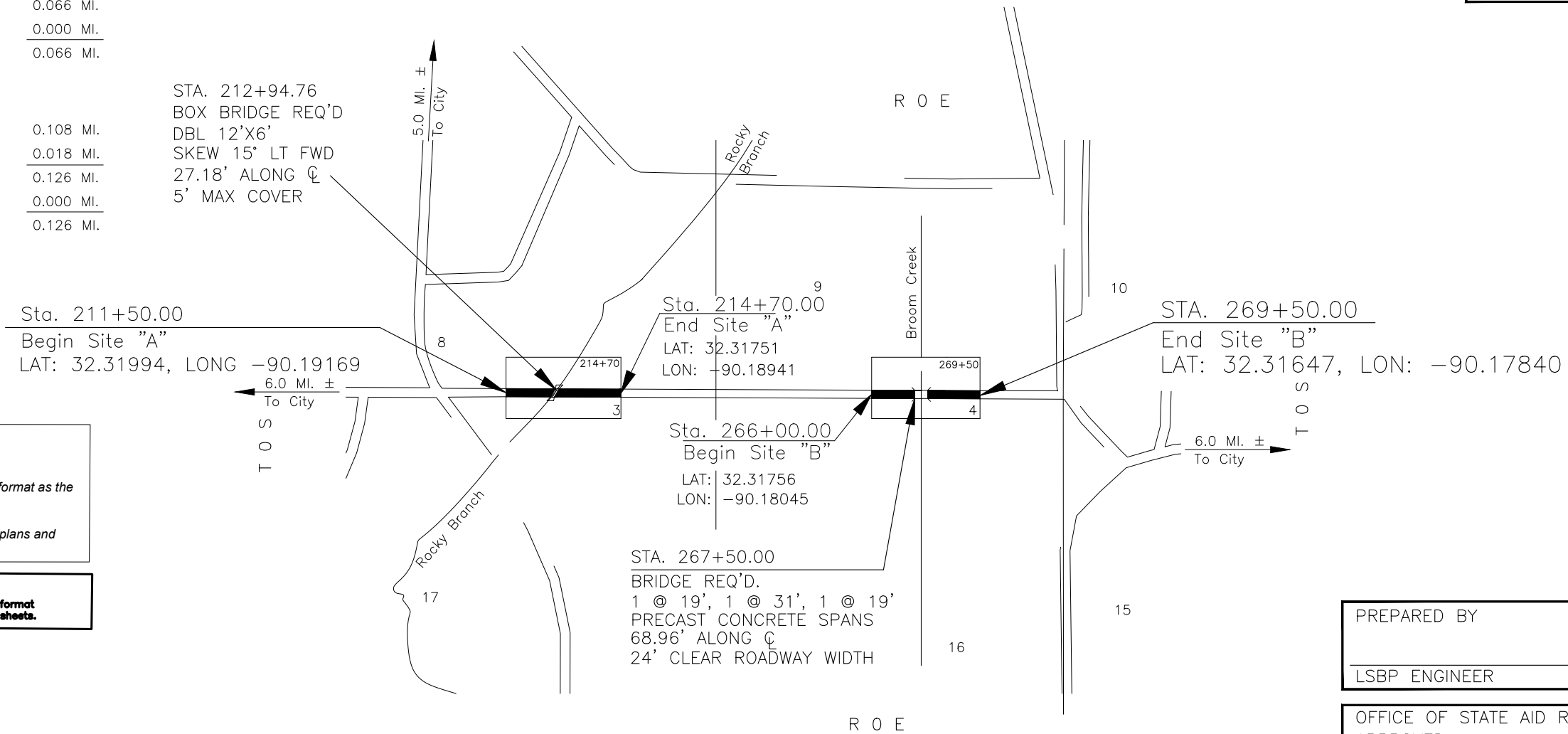
NOTE TO DESIGNER:

SAMPLE PLAN DATA
 Type of Project: LSBP
 Date of Issue: March 2022
 If multiple sites (county wide) are required, use the same format as the RESEAL project.

Notes To Designer are in italics throughout these sample plans and should not be included in project plans.

Note: GPS shall be a decimal expressed to a minimum of 5 decimal places. The GPS data may be located in a table format indicating the location and also located on other approved sheets.

MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION CURRENTLY APPROVED BY THE OFFICE OF STATE AID ROAD CONSTRUCTION ARE MADE A PART HEREOF FULLY AND COMPLETELY AS IF ATTACHED HERETO, EXCEPT WHERE SUPERSEDED BY THE SPECIAL PROVISIONS, OR AMENDED BY REVISIONS.

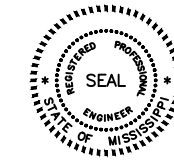


PREPARED BY _____
 LSBP ENGINEER _____ DATE _____

OFFICE OF STATE AID ROAD CONSTRUCTION
 APPROVED
 STATE AID ENGINEER _____ DATE _____

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	SITE "A"		SITE "B"		TOTAL		UNIT
		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
<u>ROADWAY ITEMS</u>								
S-200-A	Mobilization	Lump Sum		Lump Sum		Lump Sum		Lump Sum
S-201-A	Clearing & Grubbing	Lump Sum		Lump Sum		Lump Sum		Lump Sum
S-202-B	Removal Of Precast Bridge @ Sta. 212+87.57	1.0		-----		1.0		Unit
S-202-B	Removal Of Precast Bridge @ Sta. 267+56.00	-----		1.0		1.0		Unit
S-203-E1	Borrow Excavation (F.M.E.) (Contractor Furnished) (Class 9)	2750.0		1975.0		4725.0		Cu. Yd.
S-247-A	Temporary Stream Diversion	Lump Sum		Lump Sum		Lump Sum		Lump Sum
S-304-A	Granular Material (LVM) (Class __, Group __)	223.0		205.0		428.0		Cu. Yd.
S-617-A	Right-Of-Way Markers (Type II)	8.0		4.0		12.0		Each
S-618-A	Maintenance Of Traffic	Lump Sum		Lump Sum		Lump Sum		Lump Sum
S-618-B	Additional Construction Signs	0.0		0.0		0.0		Sq. Ft.
① S-630-C	Reflectorized Traffic Object Marker (Encapsulated Lens) (Type 3)	-----		4.0		4.0		Each
<u>EROSION CONTROL ITEMS</u>								
901-S-212-A	Agricultural Limestone	0.8		0.4		1.2		Ton
S-212-B	Commercial Fertilizer (13 : 13 : 13)	0.4		0.2		0.6		Ton
S-214-A	Seeding	0.4		0.2		0.6		Acre
S-215-A	Vegetative Materials For Mulch	1.2		.6		1.8		Ton
② S-226-A	Solid Sodding	100.0		100.0		200.0		Sq. Yd.
S-233-A	Temporary Silt Fence	400.0		525.0		925.0		Lin. Ft.
③ ④ 237-A	Wattles 20"	275.0		325.0		600.0		Lin. Ft.
<u>BOX BRIDGE ITEMS</u>								
Sta. 212+94.76, Dbl. 12' X 6', 15' Lt. Fwd. Skew Modified For Less Than 2'-6" Cover								
⑤ 901-S-804-B	Box Bridge Concrete, Class "BB"	155.33		-----		155.43		Cu. Yd.
S-805-A	Reinforcement	29,445.0		-----		29,445.0		Lb.
<u>BRIDGE ITEMS</u>								
<u>PRECAST CONCRETE BEAM SPANS</u> Sta. 267+50.00, 1 @ 19', 1 @ 31', 1 @ 19'								
⑥ S-803-A	Test Pile	-----		2.0		2.0		Each
S-803-B	Conventional Static Pile Load Test	-----		0.0		0.0		Each
⑦ S-803-C	14" Prestressed Concrete Piling	-----		660.0		660.0		Lin. Ft.
S-803-F	18" Pre-Formed Pile Hole (Include only if needed)	-----		100		100		Lin. Ft.
⑧ S-806-A	19' Precast Concrete Slab Unit, 3.5' Interior	-----		8		8		Each
⑨ S-806-A	19' Precast Concrete Slab Unit, 4.5' Interior	-----		2		2		Each
⑩ S-806-A	31' Precast Concrete Slab Unit, 3.5' Interior	-----		4		4		Each
⑪ S-806-A	31' Precast Concrete Slab Unit, 4.5' Interior	-----		1		1		Each
⑫ S-806-B	19' Precast Concrete Slab Unit, Curb	-----		4		4		Each
⑬ S-806-B	31' Precast Concrete Slab Unit, Curb	-----		2		2		Each
⑭ S-806-H	Beam Type Railing With Concrete Posts	-----		138		138		Lin. Ft.
⑮ S-806-I	26.5' Precast Concrete Cap, Intermediate Unit, Concrete Pile	-----		2		2		Each
⑯ S-806-J	26.5' Precast Concrete Cap, End Unit, Concrete Pile	-----		2		2		Each
⑰ S-806-M	7.5' Precast Concrete Wing	-----		4		4		Each
S-815-A	Loose Riprap (Size 300 Lb.)	-----		79.0		79.0		Ton



PREPARED BY _____ LSBP ENGINEER DATE _____

SHEET INDEX

SHEET NO.	TITLE
1	Title Sheet
2	Quantity And Index Sheet
2-A	Typical Section Sheet
2-B	Detail And Schedule Sheet
I	Bridge Layout Sheet, Site "B"
II	Soil Boring Sheet, Site "B"
SA-TSP-1	Traffic Sign Placement
6101	Typical Temporary Erosion Control/Sediment Control Applications
6102	Details of Sediment Barrier Applications
6103	Details of Silt Fence Installation
6118	Temporary Stream Diversion
6314	Typical Installation and Details of Delineators and Distance Reference Signs
6358	Highway Sign And Barricade Details For Const. Projects
SA-RW-1	Right Of Way Marker
7005	Basic Culvert Drawing, Collar Locations, Normal And Skewed Culverts, Group I Diagrams
7115-7117	Barrel Details - Double Cell - Height 6 Ft. - Spans 12 - 32 Ft.
7158-7159	Wings With 3:1 Slope for Basic Culvert Drawings - Double Cell 15 Deg. Skew Details - Height 6 - 12 Ft. - Spans 12 - 40 ft.
7160-7162	Wings with 3:1 Slope for Basic Culvert Drawing, Double Cell, 15 Deg. Skew, Height 6 Ft., Spans 12 - 32 Ft.
PC-01-09	Precast Concrete Spans For Use With W-Beam Rail 23'-0" Roadway; 24'-0" Roadway; 26'-6" Roadway
PC-03-09	19'x3.5' Precast Concrete Slab Unit For Use With W-Beam Rail With Concrete Posts
PC-04-09	31'x3.5' Precast Concrete Slab Unit For Use With W-Beam Rail With Concrete Posts
PC-07-09	19'x4.5' Precast Concrete Slab Unit for Use With 24' and 30' Roadway
PC-08-09	31'x4.5' Precast Concrete Slab Unit For Use With 24' and 30' Roadways
PC-10-09	Precast Concrete Caps For Use With 19' and 31' Precast Concrete Spans and W-Beam Rail; 24'-0" Roadway
PC-15-09	Bearing Pad and Placement Details For Use With 23', 24', 26.5', 28' and 30' Clear Rdwys; Normal and 30' Skew Spans
PC-16-09	Precast Abutment Wing Wall For Use With Concrete Spans and W-Beam Rail, 23', 24', and 26.5 Roadways
CP-01	14", 16", 18" & 20" Square Prestressed Type Concrete Piles
3 - 4	Plan / Profile Sheet & Traffic Control Plan (Sites "A" - "B")

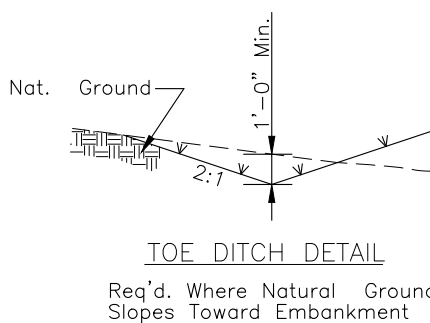
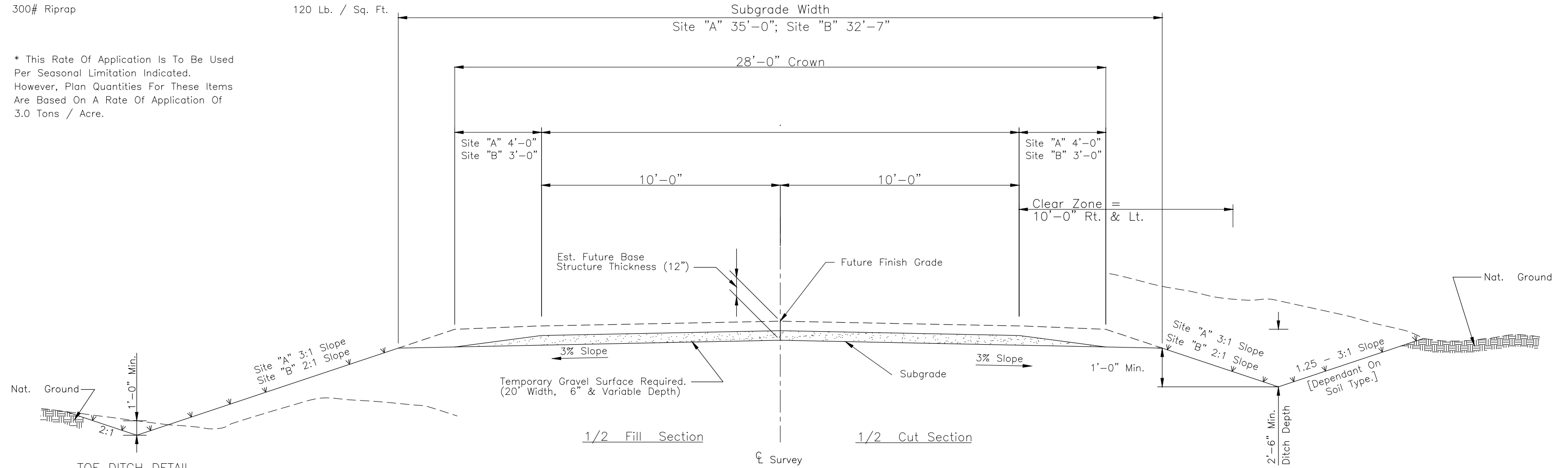
- ① Vandal Resistant Hardware Required.
- ② 200.0 Sq. Yds. Solid Sod To Be Used As Directed By The Engineer.
- ③ Contractor shall be responsible for proper erosion control maintenance
- ④ Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition
- ⑥ Cementitious Material Exposure to Sulfates Is Negligible.
- ⑦ Cementitious Material Exposure to Sulfates Is Moderate/Seawater.
- ⑧ Cementitious Material Exposure to Sulfates Is Severe.

Place "bubble" note for each concrete pay item showing sulfate exposure. If sulfates are negligible for the entire project, then change this sulfate note to "Cementitious Material Exposure to Sulfates Is Negligible," and remove sulfate exposure notes throughout plans (or indicate exposure is negligible).
Note: Submit Sulfate Test Report(s) with PS&E Plans

RATES OF APPLICATION USED FOR ESTIMATING QUANTITIES

ITEM	RATE
Agricultural Limestone	2.0 Tons / Acre
Commercial Fertilizer (13-13-13)	1.0 Ton / Acre
*Vegetative Materials For Mulch (Mar. 1 - Nov. 15)	2.0 Tons / Acre
*Vegetative Materials For Mulch (Nov. 15 - Mar. 1)	3.0 Tons / Acre
Granular Material (LVM)(Class <u> </u> , Group <u> </u>)	73-76 Cu.Yd./Sta.
300# Riprap	120 Lb. / Sq. Ft.

* This Rate Of Application Is To Be Used Per Seasonal Limitation Indicated. However, Plan Quantities For These Items Are Based On A Rate Of Application Of 3.0 Tons / Acre.



TYPICAL GRADE & DRAIN SECTION

SITE "A" STA. 211+50.00 - 214+70.00
 SITE "B" STA. 266+00.00 - 269+50.00
 N.T.S.

SPECIFY CLASS AND GROUP OF GRANULAR MATERIAL FOR TEMPORARY GRAVEL SURFACE.

GENERAL NOTES

EROSION CONTROL MEASURES TO BE APPLIED ON INDICATED AREA (vvv) AS PER SEASONAL LIMITATIONS.

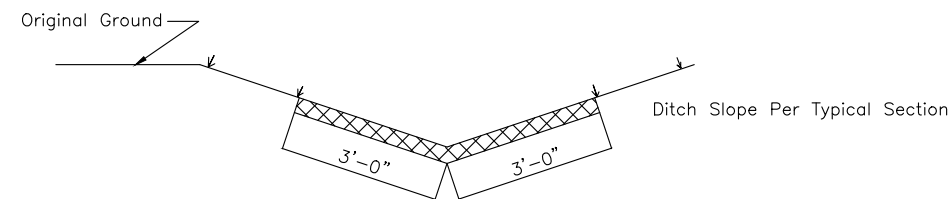
EMBANKMENT AND FILL NEAR OR IN CONTACT WITH CONCRETE CAP, WING, OR SLAB UNIT IS REQUIRED TO HAVE NEGLIGIBLE SULFATE CONTENT.

BOX BRIDGE SCHEDULE													
SH. NO.	STATION	LENGTH ALONG ϕ	SIZE	STATE STANDARDS	LENGTH	CLASS "BB" CONCRETE	REIN.	"T1"	"T2"	"V1"	"V2"	"Z"	REMARKS
3	212+94.76	27.18'	DBL. 12' X 6'	7005, 7115-7117 7158-7162	45.0'	155.33	29,445.0	10.5"	11.5"	9"	9"	17' 3"	15' LT. FWD. SKEW 5' MAX COVER COVER WITH 3:1 WINGS
					UNITS	CU. YDS.	POUNDS						

SUMMARY OF HYDRAULIC DESIGN DATA														
SH. NO.	STATION	D.A. ACRES	SIZE	UPSTREAM FLOWLINE ELEVATION	*DESIGN FLOOD YEAR (25)			*DESIGN FLOOD YEAR (100)			FLOOD OF RECORD			REMARKS
					DISCHARGE CFS	* HEADWATER CONTROL IN/OUT		DISCHARGE CFS	* HEADWATER CONTROL IN/OUT		DATE OCCURED	DISCHARGE CFS	HIGH WATER ELEVATION	
						HW/D	HW (DEPTH)		HW (ELEV)	HW/D				
3	212+94.76	894	DBL 12' x 6'	385.61	958	1.17	7.01	392.62	1064	1.44	8.67	394.28	NOT AVAILABLE - OUTLET CONTROL	15' LT. FWD. SKEW, S = 30.13', L = 2 MILES

* HEADWATER ELEVATION VALUES SHOWN ON THESE PLANS ARE THEORETICAL AND MAY VARY FROM ACTUAL CONDITIONS.

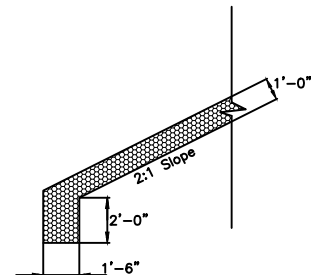
Note: Slope and length are generated via StreamStats



SOLID SOD DITCH DETAIL
0.67 Square Yards Solid Sod Per Lin. Ft.

PORTLAND CEMENT EXPOSURE TO SOLUBLE SULFATES IS SEVERE AT THE BOX BRIDGE.

(MODIFY THIS NOTE AS REQUIRED BY CONDITIONS FOR NEGLIGIBLE, MODERATE/ SEAWATER, OR SEVERE SULFATES PER 901-S-701.01)
Note: Submit Sulfate Test Report(s) with PS&E Plans



RIPRAP DETAIL AT TOE OF SLOPE

0.18 Ton Riprap Per Lin. Ft. Toewall

DRAINAGE DESIGN DATA

DRAINAGE AREA	A = 3.50 SQ. MI.
CHANNEL SLOPE	S = 14.13 FT./MI.
MAIN CHANNEL LENGTH	L = 3.10 MI.
Q25 =	1519 C.F.S.
Q100 =	1771 C.F.S.
REQUIRED OPENING	303 SQ. FT.
DESIGN OPENING	340 SQ. FT.

Slope and length only required for Delta or Urban Projects

DESIGN DATA:

SPECIFICATION-----AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007 through 2009
 DESIGN LOADING-----HL-93
 Fy=60,000 p.s.i., Fc=4,500 p.s.i., n=7

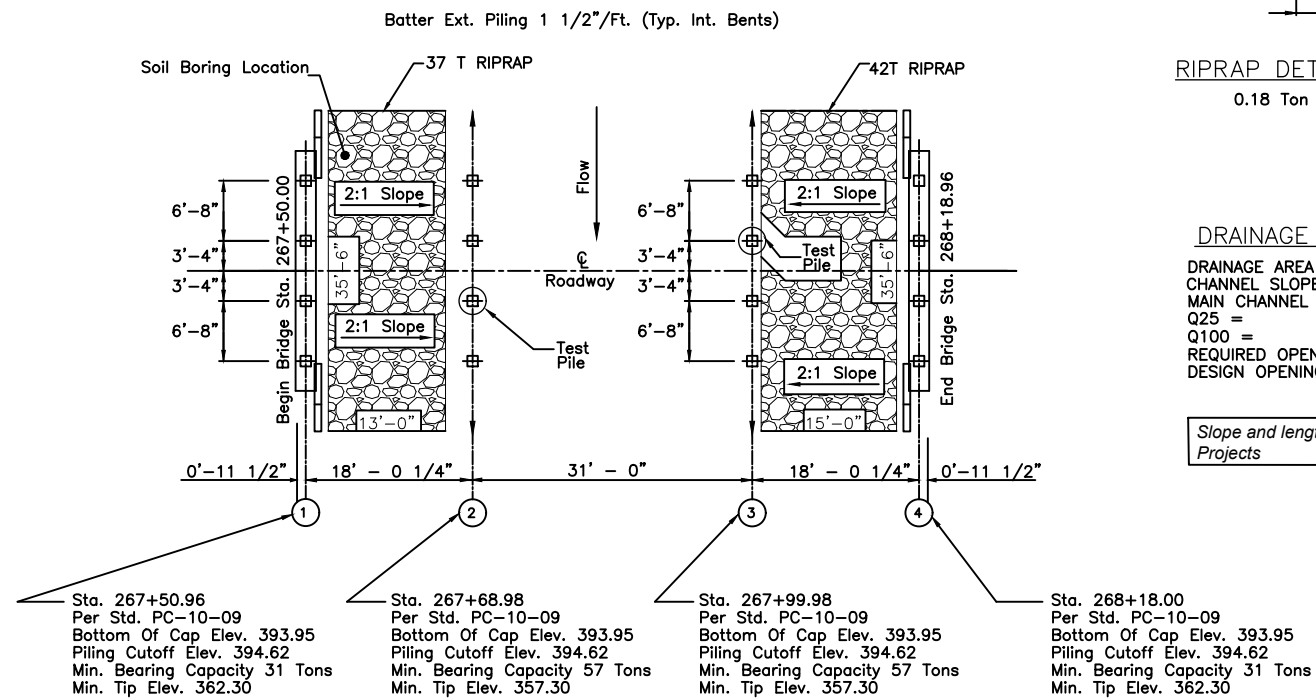
GENERAL NOTES:

- ① SPECIFICATIONS: MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
- ② NO UNAUTHORIZED CHANGE OF PLANS WILL BE PERMITTED.
- ③ CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH SECTION S-804.03.19 OF THE SPECIFICATIONS.
- ④ TEST PILE DATA AND RECOMMENDED PILE LENGTHS SHALL BE SUBMITTED TO & APPROVED BY THE BRIDGE ENGINEER BEFORE DRIVING OF PILES.
- ⑤ TEST PILES SHALL BE DRIVEN AS PERMANENT PILES AT LOCATIONS SHOWN ON FOUNDATION PLAN AND WILL BE PAID FOR AS TEST PILES ONLY.
- ⑥ NO PAYMENT WILL BE ALLOWED FOR EXCAVATION INCIDENTAL TO CONSTRUCTION OF END BENTS OR PILE ENCASEMENTS.
- ⑦ ALL WORK FOR WHICH NO PAY ITEMS ARE PROVIDED IN THE PROPOSAL WILL NOT BE PAID FOR DIRECTLY AND COMPENSATION THEREFORE WILL BE CONSIDERED INCLUDED IN THE PRICE AND PAYMENTS FOR BID ITEMS.
- ⑧ TEST PILES SHALL BE DRIVEN TO A MINIMUM BEARING OF 62 TONS AND A MINIMUM TIP ELEVATION OF 352.30. IF A TEST PILING DOES NOT ACHIEVE TEST PILE BEARING WITHIN TEN FEET BELOW SPECIFIED TEST PILE MINIMUM TIP ELEVATION, THE BRIDGE ENGINEER SHALL BE NOTIFIED PRIOR TO ANY FURTHER TEST PILING BEING DRIVEN. AFTER REVIEW OF THE TEST PILE REPORT, THE BRIDGE ENGINEER WILL THEN DETERMINE WHETHER OR NOT TO REQUIRE A LOAD TEST. LOAD TESTS, WHEN REQUIRED, WILL BE PAID FOR AS SET FORTH IN THE CONTRACT DOCUMENTS FOR THIS PROJECT.

SEISMIC ZONE "I", SITE CLASS "D".

CONCRETE PILING EXPOSURE TO SOLUBLE SULFATES IS MODERATE

(MODIFY THIS NOTE AS REQUIRED BY CONDITIONS FOR NEGLIGIBLE, MODERATE/SEAWATER, OR SEVERE SULFATES PER 901-S-701.01)
 Note: Submit Sulfate Test Report(s) with PS&E Plans

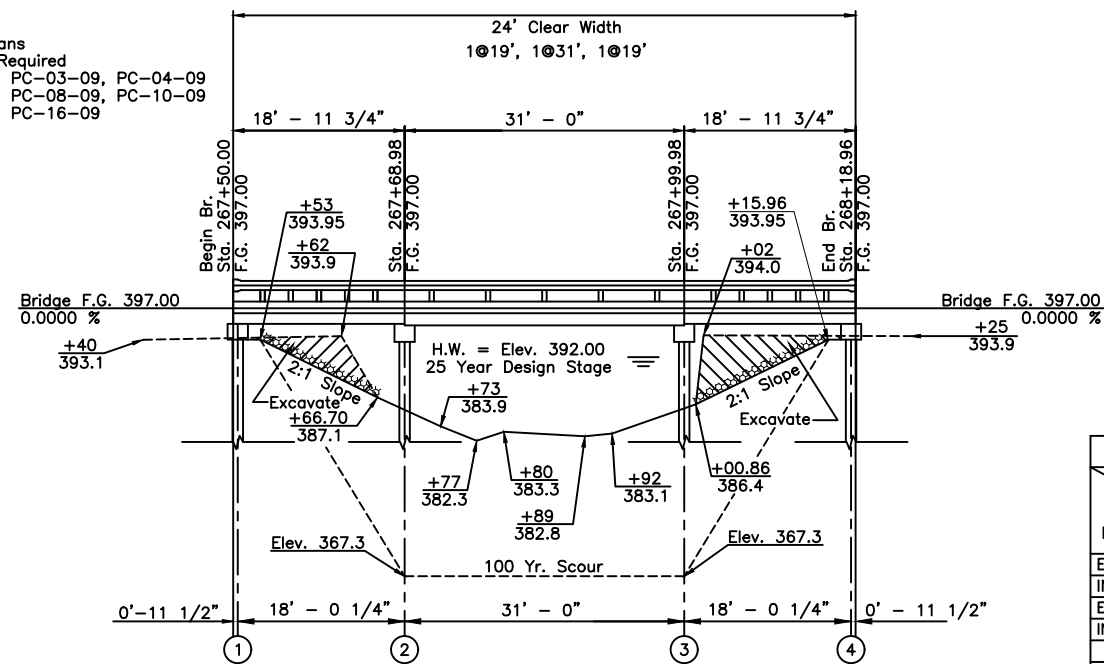


FOUNDATION PLAN

SCALE 1" = 10'-0"

Total Length Of Bridge = 68' - 11 1/2"

Precast Spans Standards Required
 PC-01-09, PC-03-09, PC-04-09
 PC-07-09, PC-08-09, PC-10-09
 PC-15-09, PC-16-09



ELEVATION WITH PROFILE ON ROADWAY

SCALE 1" = 10'-0"

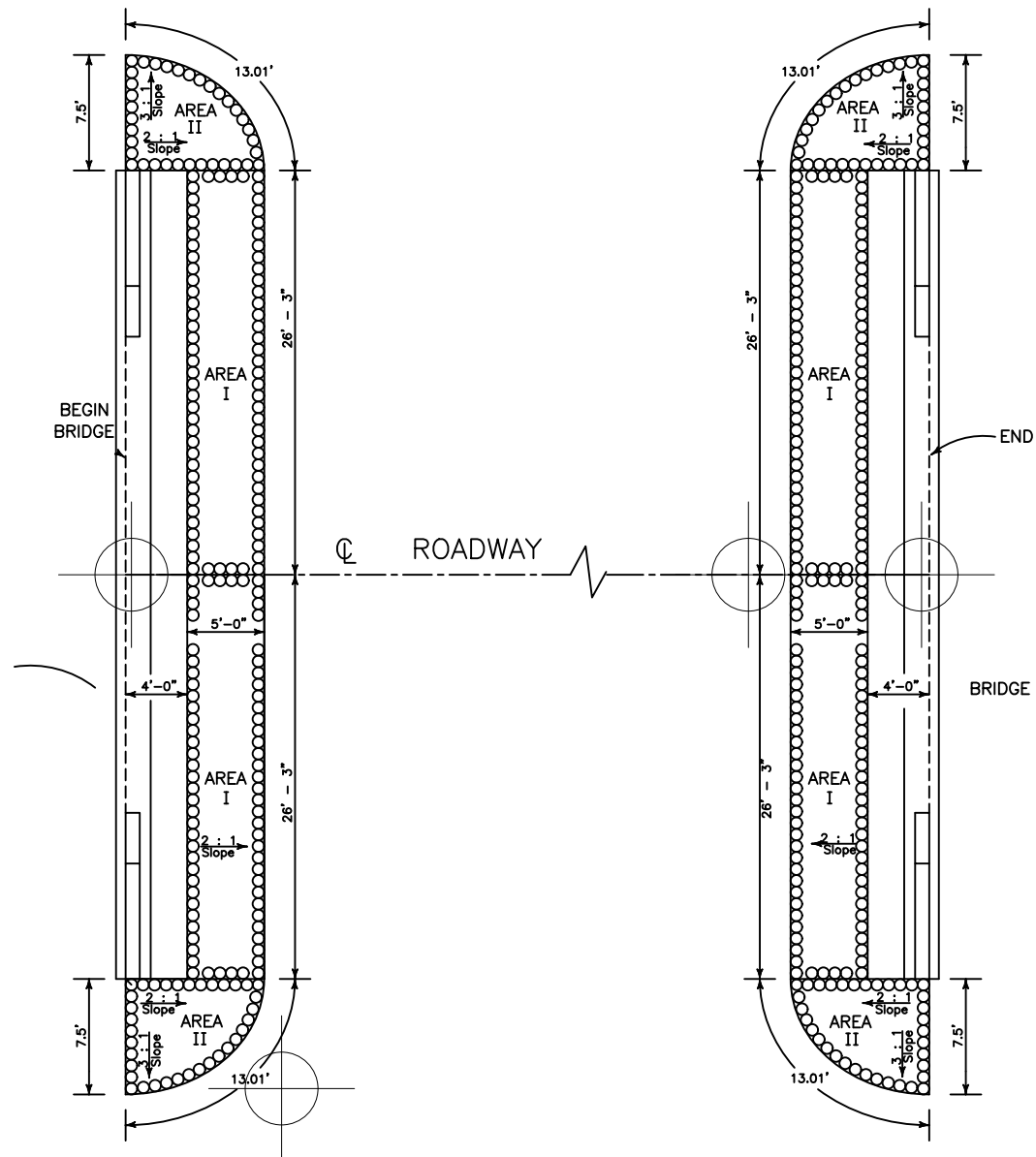
INCLUDE SUBSURFACE SOIL BORING LOG ON THIS SHEET OR ADD ANOTHER BRIDGE SHEET FOR THE BORING LOG.

ESTIMATED BRIDGE QUANTITIES

ITEM	19' SPAN CURB UNIT	19' SPAN 3'-6" INT. UNIT	19' SPAN 4'-6" INT. UNIT	31' SPAN CURB UNIT	31' SPAN 3'-6" INT. UNIT	31' SPAN 4'-6" INT. UNIT	CONC. CAP END UNIT	CONC. CAP INT. UNIT 19' TO 31'	BEAM TYPE RAILING	ABUT. WINGS	TEST PILE	18" PRE-FORMED PILE HOLES	14" CONC PILING	LOOSE RIPRAP (300#)
	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	EACH	LIN. FT.	LIN. FT.	TONS
END BENTS							2.0			4.0		50	360.0	79.0
INT. BENTS								2.0			2.0	50	300.0	
END SPANS	4.0	8.0	2.0						76.0					
INT. SPANS				2.0	4.0	1.0			62.0					
TOTALS	4.0	8.0	2.0	2.0	4.0	1.0	2.0	2.0	138.0	4.0	2.0	100.0	660.0	79.0

THE PILING QUANTITIES ARE ESTIMATED ONLY AND SHALL NOT BE USED TO ESTIMATE LENGTH OF TEST PILE.

Note: Show ground elevation on the boring log
The subsurface boring log may also be added to the Bridge Layout Sheet as an option



BORING LOG								
PROJECT	[REDACTED]		BORING NO.	BH-1	Ground elev.	0.000 m.		
LOCATION	[REDACTED]		DEPTH (m)	35.00 m.	OBS. GWL. (m)	-4.55 m.		
INSPECTOR	[REDACTED]		START DATE	18-01-62	FINISHED DATE	18-01-62		
SOIL DESCRIPTION	DEPTH (m)	GRAPHIC LOG.	METHOD	SAMPLING RECOVERY	SPT-N B / FT	PL-Wn-LL □ ○ ■	Su t/m ²	γ _t t/m ³
MEDIUM DENSE CLAYEY SAND, GREYISH BROWN. (SC)	21	[Pattern]	SS 4		20	40	4	1.0
VERY STIFF SANDY CLAY, OLIVE GREY. (CL)	22	[Pattern]	SS 5		18	28		
HARD SANDY CLAY, GREYISH BROWN. (CL)	23	[Pattern]	SS 6		47	19		2.00
DENSE TO VERY DENSE SAND WITH SILT, GREYISH BROWN. (SP-SM)	24	[Pattern]	SS 7		50	17		
	25	[Pattern]	SS 8		59/11"	20		
	26	[Pattern]	SS 9		51/11"	19		
	27	[Pattern]	SS 10		51/11"	15		
VERY DENSE SAND WITH SILT, PALE YELLOWISH BROWN. (SP-SM)	28	[Pattern]	SS 11		39	25		2.02
HARD CLAY, PALE BROWN. (CL)	29	[Pattern]	SS 12		44	28		
HARD CLAY WITH SAND, PALE BROWN. (CL)	30	[Pattern]	SS 13		52	28		
HARD CLAY WITH SAND, BROWNISH GREY. (CL)	31	[Pattern]						
END OF BORING 35.00 m.	32	[Pattern]						
	33	[Pattern]						
	34	[Pattern]						
	35	[Pattern]						
	36	[Pattern]						
	37	[Pattern]						
	38	[Pattern]						
	39	[Pattern]						
	40	[Pattern]						
	41	[Pattern]						
	42	[Pattern]						

ABBREVIATIONS :
 ST = Shelby Tube Sample LL = Liquid Limit γ_t = Total Unit Weight
 SS = Split Spoon Sample PL = Plastic Limit SPT = Standard penetration Test
 Wn = Natural Water Content Su = Undrained Shear Strength

UTILITY OWNERS
 Improve Power And Light Company, Phone 601-359-5555
 1982 Improvement Road, Bridge City, MS 39216

GENERAL NOTES
 Existing Utilities Conflicting With Proposed Construction To Be Adjusted By Others In Accordance With Section SA II-2-8 Of The S.O.P.

Elevations Based On MEAN SEA LEVEL Datum.

Elevations Referenced To Cross Roads As Shown On USGS Quad Topographic Map.

Drainage Areas Taken From USGS Topographic Maps.

Disturbed Area = 0.68 Ac

HYDRAULIC DESIGN
 < 25 ACRES - RATIONAL METHOD
 > 25 ACRES - "FLOOD FREQUENCY OF RURAL STREAMS IN MISSISSIPPI" 2013 USGS

DESIGN DATA
 Current ADT (2022) = 100 (Estimated)
 Design Speed = 30 MPH

SHRINKAGE FACTOR
 Granular Material (Cl. Gp.) = 1.5

NO SHRINKAGE FACTOR IS REQUIRED FOR E.O.S.E MATERIAL.

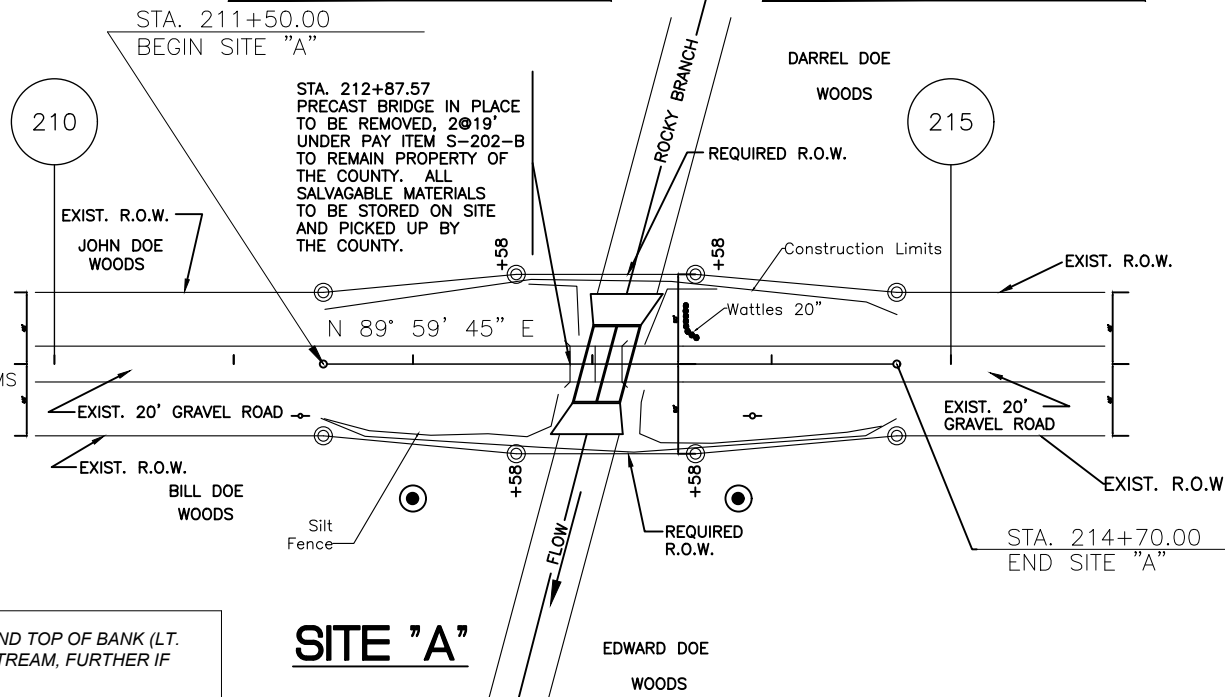
1. INDICATE, IN PLAN VIEW, CENTERLINE OF CHANNEL AND TOP OF BANK (L.T. & R.T.), FOR 200 FEET UPSTREAM AND 200 FEET DOWNSTREAM, FURTHER IF UNUSUAL STREAM MEANDER WARRANTS.

2. USE THE FOLLOWING SCALES UNLESS SPECIAL CONSIDERATIONS DICTATE OTHERWISE:

PLAN : 1"=50'
 PROFILE : 1"=50' HORIZ.
 1"=5' VERT.

B.M. ELEVATION 394.07
 Nail In 24" Pecan Tree
 75.0 Ft. Rt. STA. 212+00.00

B.M. ELEVATION 394.13
 Nail In 24" Cherry Tree
 75.0 Ft. Rt. STA. 213+81.57

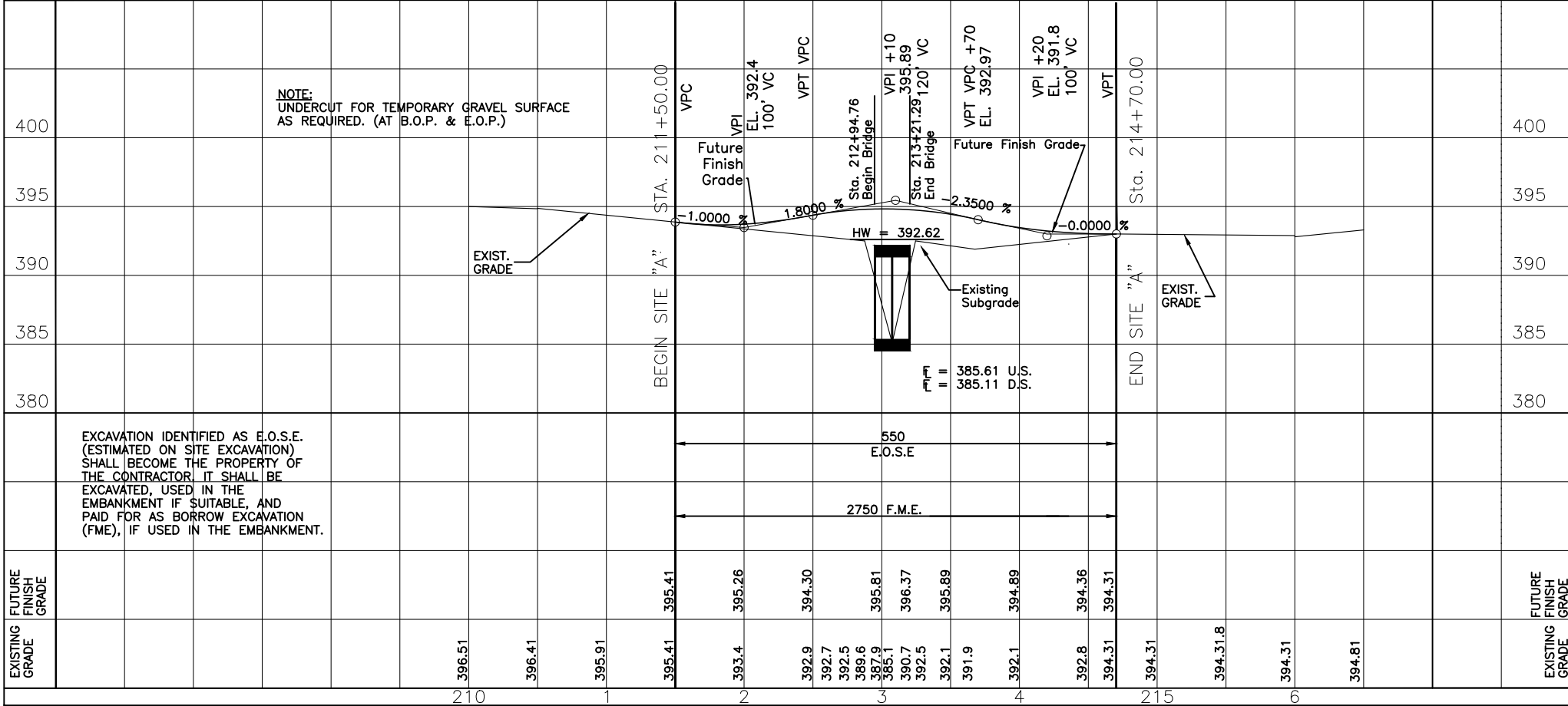


SITE "A"

STA. 212+94.76
 D.A. 894 ACRES SKEW 15' LT. FWD.
 45' - DBL. 12' X 6' BOX BRIDGE REQ'D.
 3:1 WINGS REQ'D.
 LENGTH ALONG ϕ = 27.18'
 5' MAX COVER

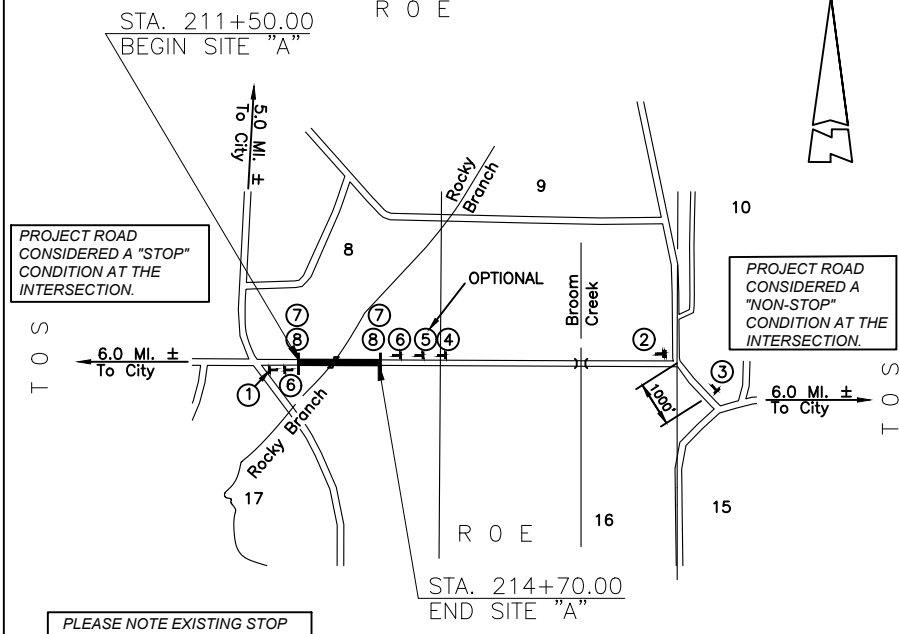
R.O.W. Markers 8.0 Each
 Borrow Excavation (F.M.E.) (Contractor Furnished), Class 9 2750.0 Cu. Yard
 Silt Fence 400.0 Lin Ft

SHEET TOTALS



NOTE: UNDERCUT FOR TEMPORARY GRAVEL SURFACE AS REQUIRED. (AT B.O.P. & E.O.P.)

EXCAVATION IDENTIFIED AS E.O.S.E. (ESTIMATED ON SITE EXCAVATION) SHALL BECOME THE PROPERTY OF THE CONTRACTOR. IT SHALL BE EXCAVATED, USED IN THE EMBANKMENT IF SUITABLE, AND PAID FOR AS BORROW EXCAVATION (FME), IF USED IN THE EMBANKMENT.



TRAFFIC CONTROL PLAN

Scale : 1" = 2000'

PLEASE NOTE EXISTING STOP SIGNS AT EACH INTERSECTION WHERE ADVANCE WARNING SIGNS MAY BE REQUIRED.

SIGN SCHEDULE		
SIGN NO.	TYPE	DESCRIPTION
1	R11-3b	BRIDGE CLOSED 1/4 MILE AHEAD - LOCAL TRAFFIC ONLY
2	R11-3b	BRIDGE CLOSED 1 1/4 MILES AHEAD - LOCAL TRAFFIC ONLY
3	W20-3	ROAD CLOSED AHEAD
4	W20-3	ROAD CLOSED 1500'
5	W20-3	ROAD CLOSED 1000' (OPTIONAL)
6	W20-3	ROAD CLOSED 500'
7	R11-2	ROAD CLOSED
8	TYPE III	BARRICADE ACROSS ENTIRE ROADWAY (50'± OUTSIDE OF PROJECT LIMITS)

GENERAL NOTES :

- ALL SIGNS AND DEVICES SHALL CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- CONTRACTORS SHALL INSTALL TRAFFIC CONTROL DEVICES SUCH AS SIGNS, BARRICADES, CONES, DRUMS, LIGHTS, FLASHERS, AND PROVIDE FLAGGERS AS REQUIRED TO SAFEGUARD AND DIRECT TRAFFIC. (WHENEVER FLAGGERS ARE USED, INSTALL "FLAGGER AHEAD" SIGN EXCEPT DURING BRIEF PERIODS OR EMERGENCY SITUATIONS.)
- THE SIGNS AND DEVICES REQUIRED HEREON ARE A MINIMUM REQUIREMENT AND IT SHALL BE THE RESPONSIBILITY AND OBLIGATION OF THE CONTRACTOR TO DETERMINE AND PROVIDE ANY ADDITIONAL DEVICES REQUIRED TO SAFEGUARD THE PUBLIC.
- TRAFFIC CONTROL DEVICES SHALL BE INSTALLED WHENEVER NECESSARY, REMAIN IN PLACE AS LONG AS THEY ARE NEEDED, AND BE REMOVED IMMEDIATELY WHEN THE NEED CEASES.
- INSTALLATION OF SIGNS AND BARRICADES SHALL CONFORM TO STANDARD DRAWING NOS. 6358 AND SA-TSP-1.
- PAY FOR INSTALLATION, MAINTENANCE AND REMOVAL OF TRAFFIC CONTROL DEVICES WILL BE MADE UNDER PAY ITEM NOS. S-618-A AND S-618-B.
- CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS SUCH AS - WATCH FOR TRUCKS, TRUCKS TURNING, TRUCKS CROSSING, ETC. AND PLACE FLAGGERS AS DIRECTED BY THE LSBP ENGINEER ALONG PUBLIC ROADS ON EACH SIDE OF BORROW PIT ENTRANCE OR CROSSING OF PUBLIC ROADS.
- SEE SPECIAL PROVISION NO. 901-S-618-1 FOR ADDITIONAL REQUIREMENTS.

NOTE: Traffic Control Plan can be put on a separate sheet if preferred.

PLAN / PROFILE SHEET AND TRAFFIC CONTROL PLAN SITE 'A'

UTILITY OWNERS
 Improve Power And Light Company, Phone 601-359-5555
 1982 Improvement Road, MS 39216

GENERAL NOTES
 Existing Utilities Conflicting With Proposed Construction To Be Adjusted By Others In Accordance With Section II - 2 - 8 Of The S.O.P.

Elevations Based On MEAN SEA LEVEL Datum.

Elevations Referenced To Cross Roads As Shown On USGS Quad Topographic Map.

Drainage Areas Taken From USGS Topographic Maps.
 Disturbed Area = 0.64 Ac.

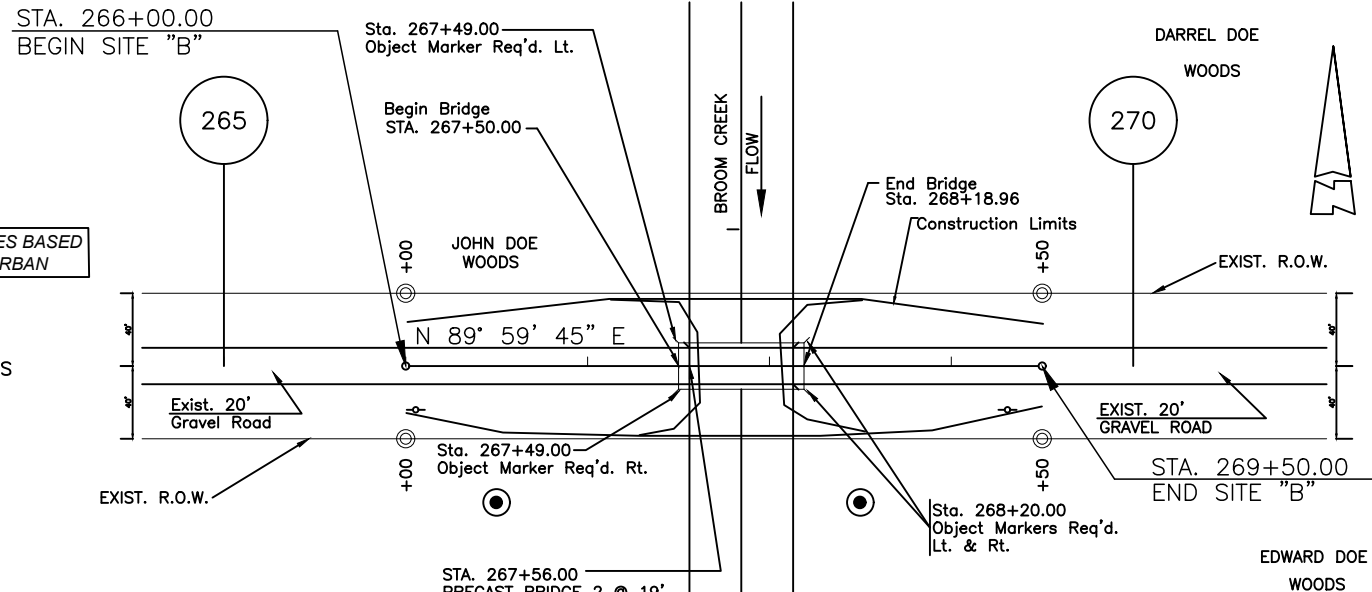
HYDRAULIC DESIGN
 < 25 ACRES - RATIONAL METHOD
 > 25 ACRES - "FLOOD FREQUENCY OF RURAL STREAMS IN MISSISSIPPI" 2013 USGS

DESIGN DATA
 Current ADT (2022) = 50 (ESTIMATED)
 Design Speed = 30 MPH

METHOD VARIES BASED ON REGION / URBAN

B.M. ELEVATION 394.25
 Nail In 24" Oak Tree
 75.0 Ft. Rt. STA. 266+50.00

B.M. ELEVATION 394.13
 Nail In 24" Cherry Tree
 75.0 Ft. Rt. STA. 268+50.00



1. INDICATE, IN PLAN VIEW, CENTERLINE OF CHANNEL AND TOP OF BANK (LT. & RT.), FOR 200 FEET UPSTREAM AND 200 FEET DOWNSTREAM, FURTHER IF UNUSUAL STREAM MEANDER WARRANTS.

2. USE THE FOLLOWING SCALES UNLESS SPECIAL CONSIDERATIONS DICTATE OTHERWISE:

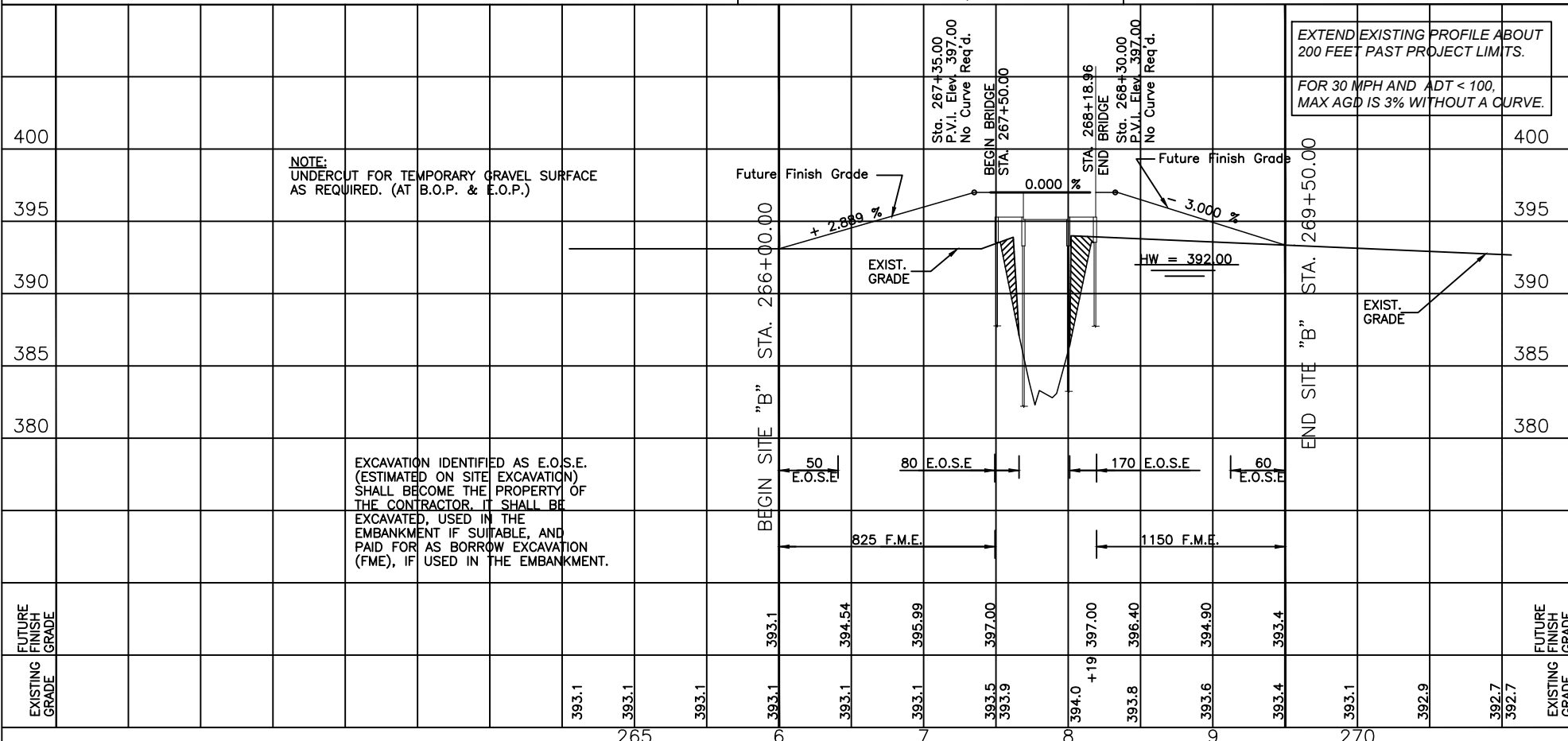
PLAN : 1"=50'
 PROFILE : 1"=50' HORIZ.
 1"=5' VERT.

SITE "B"

STA. 267+50.00
 D.A. 3.5 SQ. MI. SKEW NONE
 BRIDGE REQ'D., 1@19', 1@31', 1@19'
 PRECAST CONCRETE SPANS, 24' ROADWAY

SHEET TOTALS

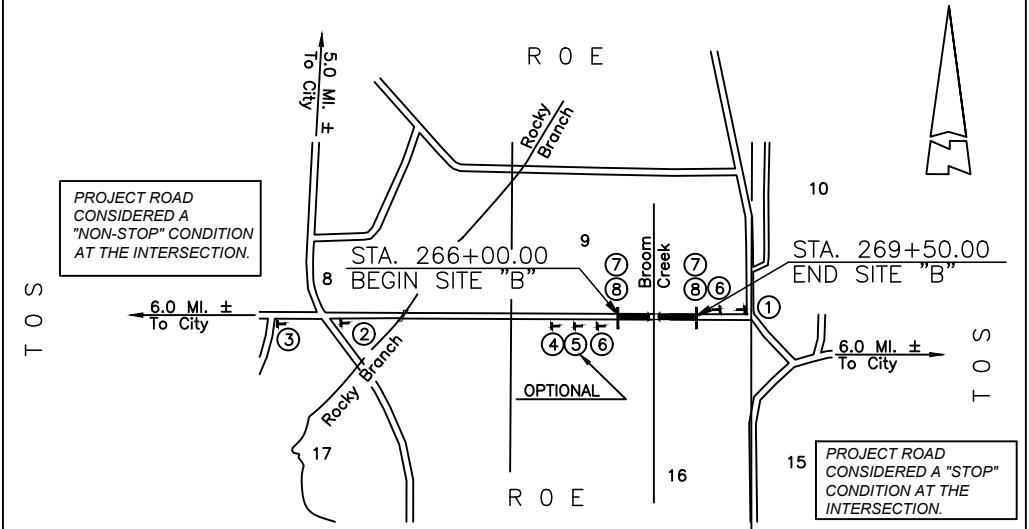
R.O.W. Markers	4.0	Each
Borrow Excavation (F.M.E.) (Contractor Furnished), Class 9	1975.0	Cu. Yard
Silt Fence	525.0	Lin. Ft.
PROJECT TOTALS (optional)		
R.O.W. Markers	12.0	Each
Borrow Excavation (F.M.E.) (Contractor Furnished), Class 9	4725.0	Cu. Yard
Silt Fence	925.0	Lin. Ft.



NOTE: UNDERCUT FOR TEMPORARY GRAVEL SURFACE AS REQUIRED. (AT B.O.P. & E.O.P.)

EXCAVATION IDENTIFIED AS E.O.S.E. (ESTIMATED ON SITE EXCAVATION) SHALL BECOME THE PROPERTY OF THE CONTRACTOR. IT SHALL BE EXCAVATED, USED IN THE EMBANKMENT IF SUITABLE, AND PAID FOR AS BORROW EXCAVATION (FME), IF USED IN THE EMBANKMENT.

EXTEND EXISTING PROFILE ABOUT 200 FEET PAST PROJECT LIMITS.
 FOR 30 MPH AND ADT < 100, MAX AGD IS 3% WITHOUT A CURVE.



PROJECT ROAD CONSIDERED A "NON-STOP" CONDITION AT THE INTERSECTION.

PROJECT ROAD CONSIDERED A "STOP" CONDITION AT THE INTERSECTION.

PLEASE NOTE EXISTING STOP SIGNS AT EACH INTERSECTION WHERE ADVANCE WARNING SIGNS MAY BE REQUIRED.

TRAFFIC CONTROL PLAN

Scale : 1" = 2000'

SIGN SCHEDULE

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- SEE SPECIAL PROVISION NO. 901-S-618-1 FOR ADDITIONAL INFORMATION.