

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u> 1 </u>	DATED <u> 1/18/2024 </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>

Number	Description
1	Revised Wage Rates; Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 8, 14, 17, 19, 22, 8001-8004, 8006, 8006.1 & 8013; Amendment EBSx Download Required.

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

 Contractor

BY _____
 Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President	Address
Secretary	Address
Treasurer	Address

The following is my (our) itemized proposal.

STP-2901-00(036)/ 105338302000

Yalobusha County(ies)

Revised 01/26/2016

"General Decision Number: MS20240122 01/05/2024

Superseded General Decision Number: MS20230122

State: Mississippi

Construction Type: Highway

County: Yalobusha County in Mississippi.

HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024

SUMS2010-045 08/04/2014

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 13.99 **	0.00
CARPENTER, Excludes Form Work....	\$ 14.03 **	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 14.09 **	0.00
ELECTRICIAN.....	\$ 21.80	7.93
HIGHWAY/PARKING LOT STRIPING: Truck Driver (Line Striping Truck).....	\$ 18.19	0.00
INSTALLER - GUARDRAIL.....	\$ 11.42 **	0.00
INSTALLER - SIGN.....	\$ 11.73 **	0.00
IRONWORKER, REINFORCING.....	\$ 16.29 **	0.00
LABORER: Asphalt, Includes Raker, Shoveler, Spreader and Distributor.....	\$ 10.80 **	0.00
LABORER: Common or General.....	\$ 10.21 **	0.00
LABORER: Concrete Worker.....	\$ 10.91 **	0.00
LABORER: Flagger.....	\$ 11.48 **	0.00
LABORER: Grade Checker.....	\$ 11.32 **	0.00
LABORER: Landscape.....	\$ 8.35 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 11.08 **	0.00
LABORER: Pipelayer.....	\$ 11.34 **	0.00
LABORER: Laborer-Cones/ Barricades/Barrels - Setter/Mover/Sweeper.....	\$ 12.36 **	0.00
OPERATOR: Asphalt Spreader.....	\$ 16.03 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 12.06 **	0.00
OPERATOR: Broom/Sweeper.....	\$ 10.77 **	0.00
OPERATOR: Bulldozer.....	\$ 15.00 **	0.00
OPERATOR: Concrete Saw.....	\$ 12.95 **	0.00
OPERATOR: Crane.....	\$ 21.25	0.00
OPERATOR: Distributor.....	\$ 12.38 **	0.00
OPERATOR: Drill.....	\$ 19.22	0.00
OPERATOR: Grader/Blade.....	\$ 13.04 **	0.00
OPERATOR: Grinding/Grooving Machine.....	\$ 15.94 **	0.00

OPERATOR: Loader.....	\$ 12.21 **	0.00
OPERATOR: Mechanic.....	\$ 15.32 **	0.00
OPERATOR: Milling Machine.....	\$ 17.84	0.00
OPERATOR: Oiler.....	\$ 12.33 **	0.48
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 12.69 **	0.00
OPERATOR: Piledriver.....	\$ 15.13 **	0.00
OPERATOR: Roller (All Types)....	\$ 11.51 **	0.00
OPERATOR: Scraper.....	\$ 12.96 **	0.00
OPERATOR: Tractor.....	\$ 11.46 **	0.00
OPERATOR: Trencher.....	\$ 15.00 **	0.00
TRUCK DRIVER: Flatbed Truck.....	\$ 12.64 **	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 13.80 **	0.00
TRUCK DRIVER: Mechanic.....	\$ 14.08 **	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.29 **	0.00
TRUCK DRIVER: Water Truck.....	\$ 10.89 **	0.00
TRUCK DRIVER: Dump Truck (All Types).....	\$ 14.32 **	0.00
TRUCK DRIVER: Semi/Trailer Truck.....	\$ 13.75 **	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other

health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

Bridge Replacement on US 51 at the Yocona River (Bridge No. 237.5), known as Federal Aid Project No. STP-2901-00(036) / 105338302 in Yalobusha County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-B023		1	Each	Removal of Bridge
0030	202-B136		580	Linear Feet	Removal of Guard Rail
0040	202-B188		996	Square Yard	Removal of Pavement, All Types and Depths
0050	202-B191		190	Linear Feet	Removal of Pipe, 8" And Above
0052	203-A001	(E)	11,595	Cubic Yard	Unclassified Excavation, FM, AH
0060	203-EX020	(E)	40,379	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0080	203-G001	(E)	2,500	Cubic Yard	Excess Excavation, FM, AH
0090	206-A001	(S)	1,828	Cubic Yard	Structure Excavation
0100	206-B001	(E)	199	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0110	209-A005		4,747	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0120	213-C001		6	Ton	Superphosphate
0130	216-A001		127	Square Yard	Solid Sodding
0140	217-A001		1,689	Square Yard	Ditch Liner
0150	219-A001		3	Thousand Gallon	Watering [\$20.00]
0160	220-A001		6	Acre	Insect Pest Control [\$30.00]
0170	221-A001	(S)	17	Cubic Yard	Concrete Paved Ditch
0180	225-A001		12	Acre	Grassing
0190	225-B001		36	Ton	Agricultural Limestone
0200	225-C001		24	Ton	Mulch, Vegetative Mulch
0210	226-A001		12	Acre	Temporary Grassing
0220	235-A001		38	Each	Temporary Erosion Checks
0230	236-A008		2	Each	Silt Basin, Type D
0240	237-A002		188	Linear Feet	Wattles, 20"
0250	239-A001		100	Linear Feet	Temporary Slope Drains
0260	245-A001		188	Linear Feet	Silt Dike
0270	246-A001		375	Linear Feet	Sandbags
0280	247-A001		1	Each	Temporary Stream Diversion
0290	249-A001		54	Ton	Riprap for Erosion Control
0300	304-B004	(GT)	1,450	Ton	Granular Material, Class 5, Group D
0310	403-A003	(BA1)	628	Ton	12.5-mm, ST, Asphalt Pavement
0320	403-A006	(BA1)	571	Ton	19-mm, ST, Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	403-A015	(BA1)	471	Ton	9.5-mm, ST, Asphalt Pavement
0340	406-D001		1,100	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0350	407-A001	(A2)	739	Gallon	Asphalt for Tack Coat
0360	423-A001		1	Mile	Rumble Strips, Ground In
0370	501-K001		24	Square Yard	Transverse Grooving
0380	502-A001	(C)	167	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0390	601-A001	(S)	588	Cubic Yard	Class "B" Structural Concrete
0400	602-A001	(S)	97,128	Pounds	Reinforcing Steel
0410	603-ALT003	(S)	56	Linear Feet	18" Type A Alternate Pipe
0420	605-AA001	(S)	55	Square Yard	Geotextile for Subsurface Drainage, Type III
0430	605-O002	(S)	98	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
0440	605-P002	(S)	10	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
0450	605-W001	(GY)	4	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
0460	606-B001		225	Linear Feet	Guard Rail, Class A, Type 1
0470	606-D022		4	Each	Guard Rail, Bridge End Section, Type I
0480	606-E005		4	Each	Guard Rail, Terminal End Section, Flared
0490	615-A024	(S)	40	Linear Feet	Concrete Bridge End Barrier, 37.5"
0500	617-A001		26	Each	Right-of-Way Marker
0510	618-A001		1	Lump Sum	Maintenance of Traffic
0520	618-B001		1	Square Feet	Additional Construction Signs [\$10.00]
0530	619-A1002		4,700	Linear Feet	Temporary Traffic Stripe, Continuous White
0540	619-A2002		2,051	Linear Feet	Temporary Traffic Stripe, Continuous Yellow
0550	619-A4001		2,180	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0560	619-D2001		227	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0570	619-G4001		72	Linear Feet	Barricades, Type III, Double Faced
0580	619-G7001		10	Each	Warning Lights, Type "B"
0590	620-A001		1	Lump Sum	Mobilization
0600	626-C001		4,700	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0610	626-D002		2,180	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0620	626-E002		2,051	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0630	627-L001		30	Each	Two-Way Yellow Reflective High Performance Raised Markers
0640	630-A003		18	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0650	630-C005		28	Linear Feet	Square Tube Posts, 2.0 lb/ft
0660	630-F006		16	Each	Delineators, Guard Rail, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	630-G005		4	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
0680	699-A001		1	Lump Sum	Roadway Construction Stakes
0690	815-A007	(S)	1,200	Ton	Loose Riprap, Size 300
0700	815-A009	(S)	900	Ton	Loose Riprap, Size 500
0710	815-E001	(S)	1,800	Square Yard	Geotextile under Riprap
0720	815-F002	(S)	66	Ton	Sediment Control Stone
0730	907-234-A001		2,868	Linear Feet	Temporary Silt Fence
0740	907-234-C001		418	Linear Feet	Super Silt Fence
0750	907-253-A001		204	Linear Feet	Coir Fiber Baffle
0760	907-413-E001		78	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0770	907-619-E3001		2	Each	Changeable Message Sign
0780	907-906001		1,040	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
0790	304-F001	(GT)	2,100	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
0800	304-F002	(GT)	2,100	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
0810	304-F003	(GT)	2,100	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
0820	605-W002	(GY)	37	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
0830	605-W003	(GY)	37	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
Bridge Items					
0840	501-K001		2,372	Square Yard	Transverse Grooving
0850	803-K010	(S)	960	Linear Feet	Drilled Shaft, 72" Diameter
0860	803-L006	(S)	1	Each	Test Shaft, 72" Diameter
0870	803-M009	(S)	125	Linear Feet	Trial Shaft, 72" Diameter
0880	803-N001	(S)	80	Linear Feet	Exploration
0890	803-O011	(S)	420	Linear Feet	Permanent Casing, 72" Diameter
0900	803-P003	(S)	1,800	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.500"
0910	804-C256	(S)	2,485	Linear Feet	125' Prestressed Concrete Beam, Type FIB-54
0920	804-C263	(S)	821	Linear Feet	165' Prestressed Concrete Beam, Type FIB-72
0930	805-A001	(S)	233,491	Pounds	Reinforcement
0940	805-C001	(S)	5,480	Pounds	Reinforcement, Corrosion Resistant

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0950	813-A004	(S)	1,334	Linear Feet	Concrete Railing, 36"
0960	815-A007	(S)	4,102	Ton	Loose Riprap, Size 300
0970	815-E001	(S)	2,410	Square Yard	Geotextile under Riprap
0980	907-803-B001	(S)	1	Each	Conventional Static Pile Load Test [\$5,000.00]
0990	907-803-I004	(S)	3	Each	PDA Test Pile, Steel Pipe Pile
1000	907-803-J001	(S)	3	Each	Pile Restrike
1010	907-804-A001	(S)	748	Cubic Yard	Bridge Concrete, Class BDx
1020	907-804-A002	(S)	360	Cubic Yard	Bridge Concrete, Class AA
1030	907-823-A002		73	Linear Feet	Preformed Joint Seal, Type II

ADDENDUM

DESCRIPTION OF SHEET

DESCRIPTION OF SHEET

TITLE (1)

TITLE

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DETAILED INDEX

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GENERAL NOTES
GENERAL NOTES

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TYPICAL SECTIONS – BRIDGE END, GUARDRAIL AND RAMPS

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SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
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ESTIMATED QUANTITIES – DRIVEWAYS AND SIDE DRAINS
ESTIMATED QUANTITIES – BRIDGE END, TYPE D SILT BASINS AND BOX CULVERT
ESTIMATED QUANTITIES – GUARDRAIL AND ESTIMATED EARTHWORK
ESTIMATED QUANTITIES – SIGNS AND ASSEMBLIES AND PAVEMENT MARKINGS
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TEMPORARY DIVERSION CHANNEL
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EROSION CONTROL PLAN
EROSION CONTROL PLAN – RIPARIAN BUFFER
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PAVEMENT MARKING AND SIGNING PLAN – STA. 1013 + 50 TO E.O.P.
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INLET PROTECTIONDETAILS OF SANDBAGS
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TEMPORARY STREAM DIVERSION (BOX EXTENSION)
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DETAILS OF TYPICAL DITCH TREATMENTS
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE D SILT BASIN)(135 CU.YDS. CAPACITY PER ACRE OF DRAINAGE)
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GUARDRAIL: "W" BEAM (STEEL POSTS)
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GUARDRAIL: BRIDGE END SECTION TYPE "I" (STEEL POSTS)(NEW CONSTRUCTION)
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FLEXIBLE PIPE CULVERT INSTALLATION

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ECD-22	6122
DT-1	6123
BAS-A	6125
BAS-D	6129
SSF-1	6130
GR-1	6201
GR-1B	6203
GR-2F	6210
GR-2G	6211
GR-4A	6215
GR-RR	6218
GR-HW	6221
SN-3A	6304
SN-4	6306
SN-8	6314
SN-8C	6317
SN-9	6318
TCP-8	6358
TCP-13	6363
RW-1	6401
RD-1	6403
GT-1	6404
MDS-1	6425
PF-1	6426
PI-2	6501
PI-1	6502

WK. NO. _____ SH. NO. _____

WK. NO. _____ SH. NO. _____

TITLE	1
DI-1	2
DI-2	3
GN-1	4
GN-2	5
TS-1	6
TS-2	7
SQ-1	8
SQ-2	9
SQ-3	10
EQ-1	11
EQ-2	12
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TCPO-1	16
WK-3	17
WK-3DR	18
WK-3BX	19
WK-3T	20
WK-LPSD	21
WK-4	22
ECP-3	23
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PMD-1	27
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SDBE-1	29
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJ. NO.: STP-2901-00(036)
COUNTY: YALOBUSHA

WORKING NUMBER
DI-1

SHEET NUMBER
2

FILE NAME: DI-1.dgn DATE: 1/10/2024
DESIGN TEAM: WAGGONER CHECKED: WAGGONER

PS & E PLANS-DATE: 7/7/2023			
FMS CON. # 105338/302000			
REVISIONS			
DATE	SHEET NO.	BY	
1/11/24	8,14,17,19,22	BJ	

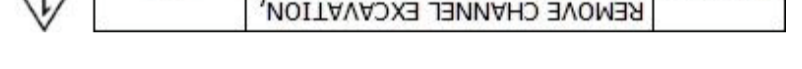
ADDENDUM

STATE	PROJECT NO.
MISS	STP-2901-00(036)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	YALOBUSHA : 105338-302000	
			Prelim	Final
201-A001	Clearing and Grubbing	LS	1	
202-B023	Removal of Bridge	EA	1	
202-B136	Removal of Guard Rail	LF	580	
202-B188	Removal of Pavement, All Types and Depths	SY	996	
202-B191	Removal of Pipe, 8" And Above	LF	190	
203-A001	Unclassified Excavation, FM, AH	CY	11,595	
203-EX020	Borrow Excavation, AH, FME, Class B9	CY	40,379	
203-G001	Excess Excavation, FM, AH	CY	2,500	
206-A001	Structure Excavation	CY	1,828	
206-B001	Select Material for Undercuts, Contractor Furnished, FM	CY	199	
209-A005	Geotextile Stabilization, Type V, Non-Woven	SY	4,747	
213-C001	Superphosphate	TON	6	
216-A001	Solid Sodding	SY	127	
217-A001	Ditch Liner	SY	1,689	
219-A001	Watering	KGAL	3	
220-A001	Insect Pest Control	ACRE	6	
221-A001	Concrete Paved Ditch	CY	17	
225-A001	Grassing	ACRE	12	
225-B001	Agricultural Limestone	TON	36	
225-C001	Mulch, Vegetative Mulch	TON	24	
226-A001	Temporary Grassing	ACRE	12	
907-234-A001	Temporary Silt Fence	LF	2,868	
907-234-C001	Super Silt Fence	LF	418	
235-A001	Temporary Erosion Checks	EA	38	
236-A008	Silt Basin, Type D	EA	2	
237-A002	Wattles, 20"	LF	188	
239-A001	Temporary Slope Drains	LF	100	
245-A001	Silt Dike	LF	188	
246-A001	Sandbags	LF	375	
247-A001	Temporary Stream Diversion	EA	1	
249-A001	Riprap for Erosion Control	TON	54	
907-253-A001	Coir Fiber Baffle	LF	204	
304-B004	Granular Material, Class 5, Group D	TON	1,450	
304-F001	3/4" and Down Crushed Stone Base	TON	2,100	
304-F002	OR Size 610 Crushed Stone Base	TON	2,100	
304-F003	OR Size 825B Crushed Stone Base	TON	2,100	
403-A003	12.5-mm, ST, Asphalt Pavement	TON	628	
403-A006	19-mm, ST, Asphalt Pavement	TON	571	

- ① ESTIMATED FOR PAVED FLUMES, INCLUDES 2 C.Y. FOR APRON AT BRIDGE ENDS.
- ② INCLUDES A 20% SHRINKAGE FACTOR
- ③ BR. #237.50, 1640 FOOT LONG, STEEL STRINGER/GIRDER WITH CONCRETE CAST IN PLACE DECK
- ④ QUANTITY ROUNDED TO THE NEAREST INCREMENT OF 50 OR 100
- ⑤ QUANTITY INCLUDES 170 L.F. ESTIMATED FOR SILT BASINS ON WK. 3.
- ⑥ QUANTITY INCLUDES : 50 TONS FOR GUARDRAIL AND 1 TON FOR RAMP APRON.
- ⑦ INCLUDES 87 TONS FOR RAMP STATION 1021+75



REMOVE CHANNEL EXCAVATION, ADD UNCLASSIFIED EXCAVATION, AND ADJUST QUANTITIES	By	Revision
01/09/2024	Design Team	Date
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
SUMMARY OF QUANTITIES		
PROJ NO: STP-2901-00(036) COUNTY: YALOBUSHA		
Working Number	SQ-1	Sheet Number
		8

FILENAME: Final Plans
Checked
Date

FMS CON: 105338 / 302000
 STATE PROJECT NO.
 MISS. STP-2901-00(036)

ADDENDUM

GUARDRAIL REQUIRED											
WK. NO.	STATION	STATE STD. (INSTALL)	GUARD RAIL LENGTHS				TERMINAL SECTION	BRIDGE END SECTION	SINGLE DELINEATORS		REMARKS
			DIST. A	DIST. B	DIST. C	DIST. D			WHITE	YELLOW	
3	1012+16		130.6	87.5	68.1	25.0	2	2	8		25' REQ'D. LT & 87.5' RT
3	1018+81		130.6	87.5	68.1	25.0	2	2	8		87.5' REQ'D. LT & 25' RT
	UNITS		L. F.	175			EACH	EACH	EACH	EACH	
	TOTALS					L. F.	4	4	16	0	

NOTE: LENGTH OF GUARDRAIL REQUIRED IS BASED ON A TERMINAL SECTION LENGTH OF 37.5 FT. THE LENGTH OF GUARDRAIL REQUIRED SHALL BE ADJUSTED WHENEVER A TERMINAL SECTION WITH A LENGTH OTHER THAN 37.5 FT IS USED. (EX.-TERMINAL LENGTH OF 50 FT WILL REQUIRE 12.5 FT TO BE DEDUCTED FROM THE LENGTH OF GUARDRAIL.)

ESTIMATED EARTHWORK QUANTITIES							
WORK NO.	CUT	FILL	BORROW B9	UNCLASSIFIED EXCAVATION	EXCAVATION		REMARKS
					EXCESS	SURPLUS	
3	6,480	31,212					MAINLINE
4	7,615	18,443		2500			MAINLINE
TOTAL	14,095	49,655					
		UNITS	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	
		TOTALS	40379	11595	2500	2500	

CUT= UNCLASSIFIED-EXCESS=14,095-2,500=11,595
BORROW= FILL- (UNCLASSIFIED/1.25)= 49,655-(11,595/1.25)=40,379

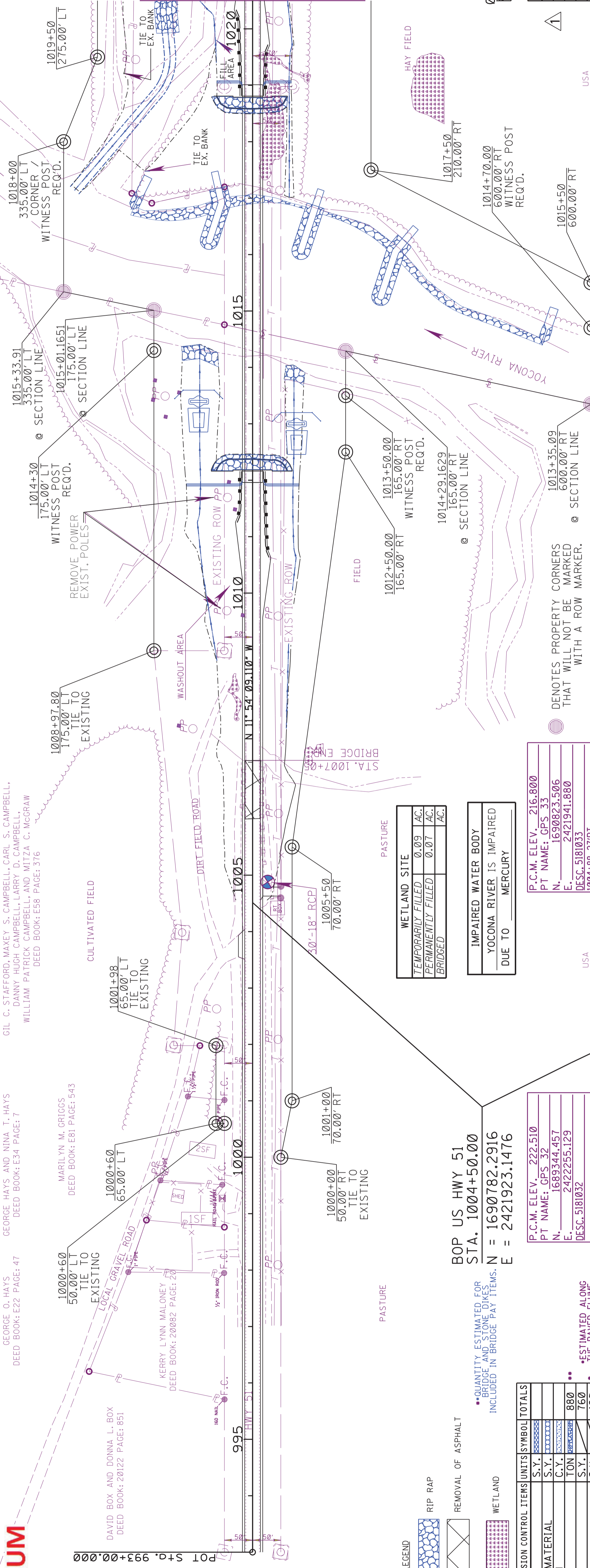
11/24	REVISION	BY
11/24	REVISE QUANTITIES AND AD CALCULATIONS	BJ
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ESTIMATED QUANTITIES		
GUARDRAIL AND ESTIMATED EARTHWORK		
PROJ. NO.: STP-2901-00(036)		WORKING NUMBER EQ-4
COUNTY: YALOBUSHA		SHEET NUMBER 14
FILENAME:EQ-1.dgn	DESIGN TEAM WAGGONER	CHECKED WAGGONER
		DATE 1/10/2024

STATE PROJECT NO.
MISS. STP-2901-00(036)

REVISIONS	DATE	BY

REVISION EARTHWORK
 CALLOUT & BLOCK

MATCHLINE STA. 1020+50
 SEE WK-4



GIL C. STAFFORD, MAXEY S. CAMPBELL, CARL S. CAMPBELL,
 DANNY HUGH CAMPBELL, LARRY D. CAMPBELL,
 WILLIAM PATRICK CAMPBELL, AND MITZA C. MCGRAW
 DEED BOOK: E58 PAGE: 376

GEORGE O. HAYS
 DEED BOOK: E22 PAGE: 47

GEORGE HAYS AND NINA T. HAYS
 DEED BOOK: E34 PAGE: 7

MARILYN M. GRIGGS
 DEED BOOK: E81 PAGE: 543

KERRY LYNN MALONEY
 DEED BOOK: 20082 PAGE: 20

DAVID BOX AND DONNA L. BOX
 DEED BOOK: 20122 PAGE: 851

WETLAND SITE	
TEMPORARILY FILLED	0.09 AC.
PERMANENTLY FILLED	0.07 AC.
BRIDGED	0.07 AC.

IMPAIRED WATER BODY	
YOCONA RIVER IS IMPAIRED	
DUE TO MERCURY	

P.C.M. ELEV. 216.800
 PT NAME: GPS 33
 N. 1690823.506
 E. 2421941.880
 DEESC: 5181033
 100+88.21 RT

USA
 DEED BOOK: A4 PAGE: 128

BOP US HWY 51
 STA. 1004+50.00
 N = 1690782.2916
 E = 2421923.1476

P.C.M. ELEV. 222.510
 PT NAME: GPS 32
 N. 1689344.457
 E. 2422255.129
 DEESC: 5181032

USA
 DEED BOOK: A4 PAGE: 128

PERMANENT EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
DITCH LINER	S.Y.	XXXXXX	
SOIL REINF. MATERIAL	S.Y.	XXXXXX	
PAVED DITCH	C.Y.	XXXXXX	
RIPPRAP	TON	XXXXXX	880
GEOTEXTILE	S.Y.	XXXXXX	760
SOLID SOD	S.Y.	XXXXXX	120

••• QUANTITY ESTIMATED FOR BRIDGE AND STONE DIKS INCLUDED IN BRIDGE PAY ITEMS.

* ESTIMATED ALONG THE PAVED FLUME

STATION	ELEVATION	DESCRIPTION	TYPE	AMOUNT
1019.50	218.58	BR. ABUT 1019+50	NEW CONSTRUCTION	65 C.Y. CUT / 12426 C.Y. FILL
1018.79	205.93	VP1019+75.000		
1019.01	205.23	VP1019+75.000		
1019.25	204.99	BR. ABUT 1018+81	NEW CONSTRUCTION	65 C.Y. CUT / 12426 C.Y. FILL
1019.50	205.05	VP1018+75.000		
1019.75	205.56	VP1018+75.000		
1019.97	205.86	VP1018+75.000		
1020.15	220.15	VP1015+50.000		
1020.28	220.28	VP1015+50.000		
1020.35	220.35	VP1015+50.000		
1020.38	220.38	VP1015+50.000		
1020.35	220.35	VP1015+50.000		
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1020.28	220.28	VP1015+50.000		</

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-2901-00(036)

REVISIONS
 DATE BY
 7/17/24 BJ

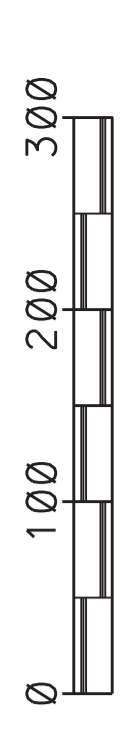
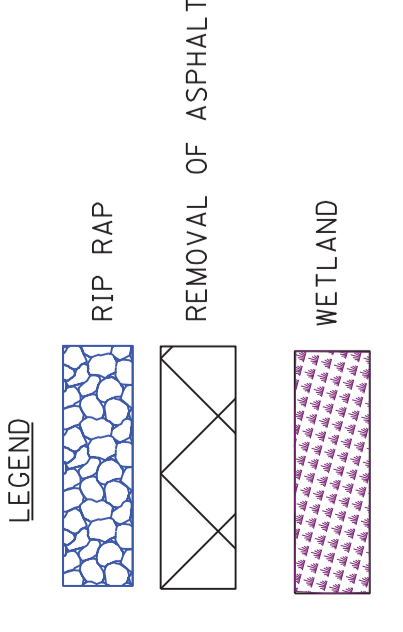
Curve ALI-BOXCULVER_3
 Δ = 19° 01' 10.038" (LT)
 D = 114.35' 29.612"
 L = 16.598'
 T = 8.376'
 R = 50.000'
 BK S 23° 26' 55.891" E
 AH S 42° 28' 05.928" E
 PC 2+42.808
 PT 2+63.405

Curve ALI-BOXCULVER_6
 Δ = 30° 31' 46.298" (RT)
 D = 114.35' 29.612"
 L = 26.642'
 T = 15.645'
 R = 50.000'
 BK S 12° 28' 05.928" E
 AH S 11° 56' 19.630" E
 PC 3+56.358
 PT 3+72.502

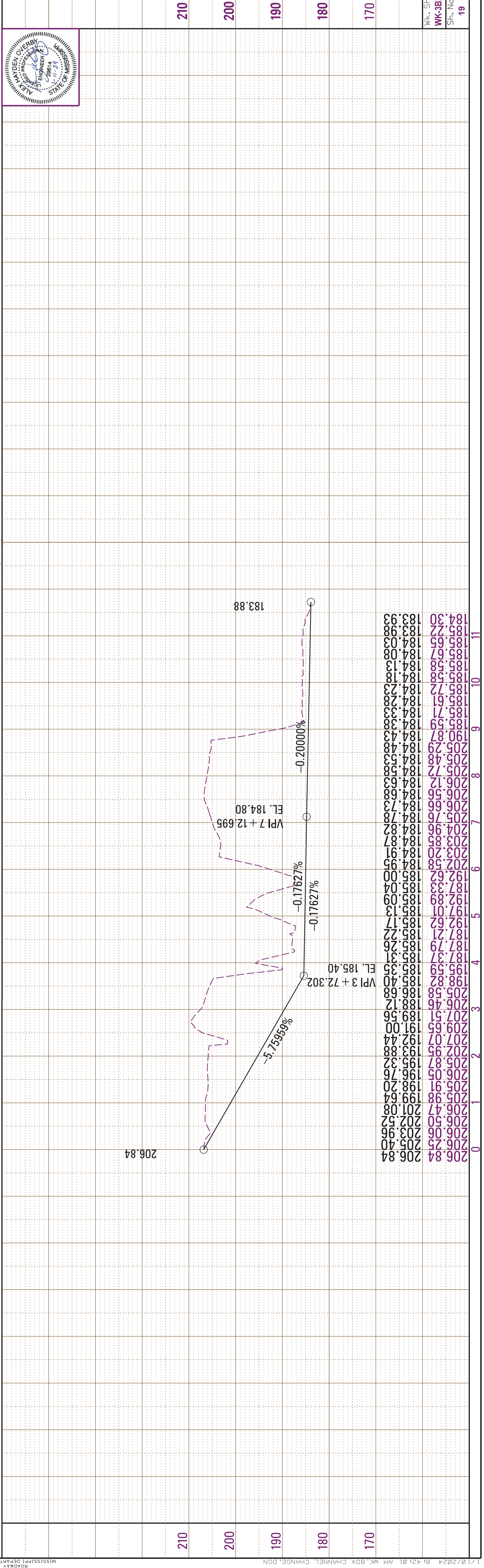
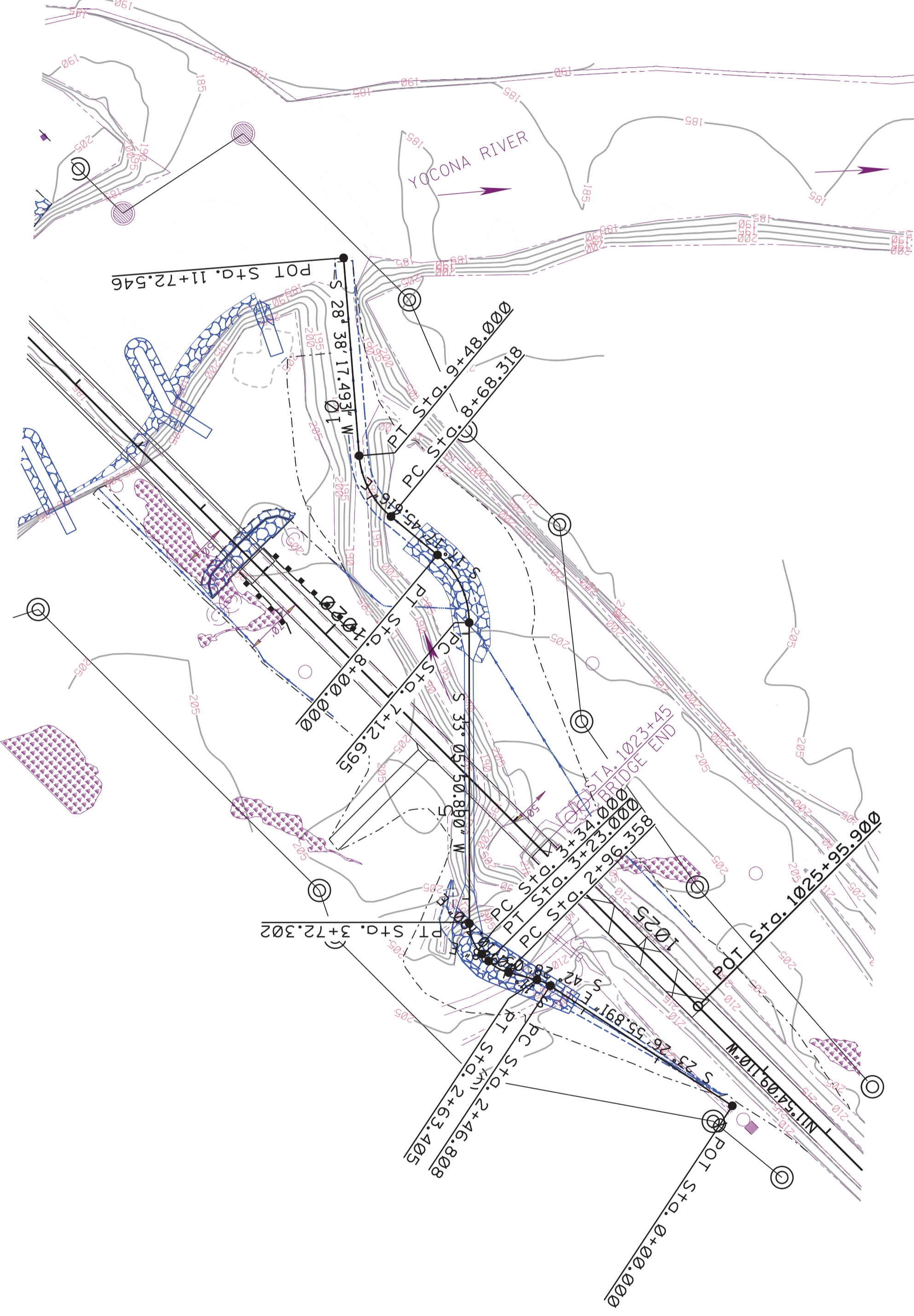
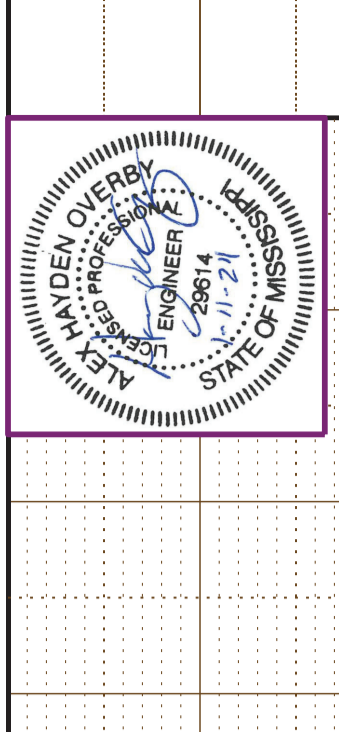
Curve ALI-BOXCULVER_9
 Δ = 43° 53' 25.224" (RT)
 D = 114.35' 29.612"
 L = 38.302'
 T = 20.146'
 R = 50.000'
 BK S 10° 07' 34.334" E
 AH S 33° 05' 50.890" W
 PC 3+54.000
 PT 3+72.502

Curve ALI-BOXCULVER_12
 Δ = 50° 01' 20.353" (LT)
 D = 57.17' 44.808"
 L = 87.305'
 T = 46.654'
 R = 100.000'
 BK S 33° 05' 50.890" W
 AH S 16° 55' 29.463" E
 PC 7+12.695
 PT 8+00.000

Curve ALI-BOXCULVER_15
 Δ = 45° 39' 14.977" (RT)
 D = 57.17' 44.806"
 L = 79.682'
 T = 42.092'
 R = 100.000'
 BK S 17° 17' 52.011" E
 AH S 28° 31' 22.966" W
 PC 8+68.318
 PT 9+48.000



EARTHWORK TOTAL THIS SHEET	
Cut	C.Y.
Fill	C.Y.
Excess	C.Y.
	C.Y.



FMS CON: 105338 / 302000

STATE PROJECT NO. MISS. STP-2901-00(036)

REVISED	DATE	BY
	7/17/24	BJ

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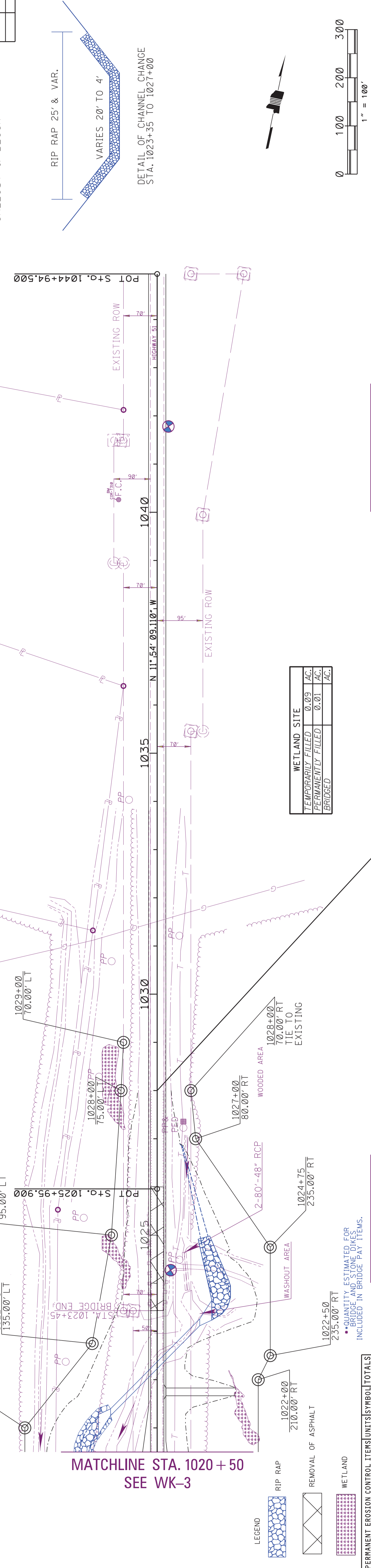
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REVIS EARTHWORK CALLOUT & BLOCK



REVISIONS

DATE BY

7/17/24 BJ

WETLAND SITE

TEMPORARILY FILLED 0.09 AC.

PERMANENTLY FILLED 0.01 AC.

BRIDGED

888 TONS-500*

309 TONS-300*

1197

1039

888 TONS-500*

309 TONS-300*

1197

1039

888 TONS-500*

309 TONS-300*

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309 TONS-300*

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888 TONS-500*

309 TONS-300*

1197

STA. 1021 + 75 RT. 16 FT DRY RAMP REQD.

STA. 1022 + 30

262.90' - 10'x10' BOX CULVERT REQD.

10'x8' EFFECTIVE OPENING

D.A. = 211 ACRES

2' EMBEDMENT

45' RT. FWD SKEW

3.1% SLOPE @ 45' SKEW

BOX INV. RT. = 183.40'

BOX INV. LT. = 182.80'

(FL IS 2 FT ABOVE INVERTS)

VPT 1020 + 75.000

EL. 218.475

-0.40000%

VPT 1027 + 00.000

EL. 215.97

150.000' V.C.

K = 670

-0.62396%

VPT 1027 + 75.000

EL. 215.507

STA. 1024 + 40 RT. EXISTING RAMP TO BE REMOVED

EXISTING DBL. 80' + 48" RCP

TO BE REMOVED

EXISTING DBL. 80' + 48" RCP

TO BE REMOVED

VARIES FROM 20 TO 4'

DITCH FL. RT. 216.275

EL. 216.275

215.92

216.97

CULTIVATED FIELD

CULTIVATED FIELD

WOODDED AREA

WASHOUT AREA

WETLAND

REMOVAL OF ASPHALT

WETLAND

WETLAND

WETLAND

WETLAND

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WETLAND SITE

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PERMANENTLY FILLED 0.01 AC.

BRIDGED

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309 TONS-300*

1197

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309 TONS-300*

1197

1039

888 TONS-500*

309 TONS-300*

1197

1039

888 TONS-500*

309 TONS-300*

ADDENDUM

DESCRIPTION OF SHEETS

WORKING NUMBER

SHEET NUMBER

DETAILED INDEX (BRIDGE)	DI-BR-1	8001
SUMMARY OF QUANTITIES (BRIDGE)	SO+BR-1	8002
US 51 OVER YOCONA RIVER BRIDGE AT STA. 1012+14.92		
GENERAL NOTES & ESTIMATED QUANTITIES	1 OF 23	8003
US 51 OVER YOCONA RIVER LAYOUT	2 OF 23	8004
US 51 OVER YOCONA RIVER FOUNDATION PLAN (SPANS NO. 1-3)	3 OF 23	8005
US 51 OVER YOCONA RIVER FOUNDATION PLAN (SPANS NO. 3-5)	4 OF 23	8006
STONE TIEBACK & LONGITUDINAL PEAKED STONE DIKE DETAILS	4.1 OF 23	8006.1
END BENTS NO. 1 & 6	5 OF 23	8007
END BENT DETAILS	6 OF 23	8008
INTERMEDIATE BENTS NO. 2 & 5	7 OF 23	8009
INTERMEDIATE BENTS NO. 2 & 5 DETAILS	8 OF 23	8010
INTERMEDIATE BENTS NO. 3 & 4	9 OF 23	8011
INTERMEDIATE BENTS NO. 3 & 4 DETAILS	10 OF 23	8012
INTERMEDIATE BENTS NO. 2 THRU 5 DRILLED SHAFT DETAILS	11 OF 23	8013
PLAN OF SPANS NO. 1 & 5	12 OF 23	8014
PLAN OF SPAN NO. 2	13 OF 23	8015
PLAN OF SPAN NO. 4	14 OF 23	8016
125'-0" SPANS DETAILS (FIB-54)	15 OF 23	8017
SPAN DETAILS SECTIONS A-A THRU D-D	16 OF 23	8018
PLAN OF SPAN NO. 3	17 OF 23	8019
165'-0" SPAN DETAILS (FIB-72)	18 OF 23	8020
SPAN DETAILS SECTIONS E-E & F-F	19 OF 23	8021
MISCELLANEOUS SPAN DETAILS	20 OF 23	8022
125 FT. BEAM NO. 125-1 THRU 125-2 DETAILS (FIB-54)	21 OF 23	8023
165 FT. BEAM NO. 165-1 DETAILS (FIB-72)	22 OF 23	8024
BEARING PAD DETAILS	23 OF 23	8025
GENERALIZED SOIL PROFILE SHEETS		
GENERALIZED SOIL PROFILE US 51 OVR YOCONA RIVER	GSP-1	8026
GENERALIZED SOIL PROFILE US 51 OVR YOCONA RIVER	GSP-2	8027
GENERALIZED SOIL PROFILE US 51 OVR YOCONA RIVER	GSP-3	8028
GENERALIZED SOIL PROFILE US 51 OVR YOCONA RIVER	GSP-4	8029
TRIAL SHAFT AND LOAD TEST DETAIL	GSP-5	8030
BRIDGE EROSION CONTROL PLANS		
US 51 OVER YOCONA RIVER EROSION CONTROL ELEVATION	ECBR-1	8031
US 51 OVER YOCONA RIVER EROSION CONTROL PLAN	ECBR-2	8032
US 51 OVER YOCONA RIVER EROSION CONTROL PLAN	ECBR-3	8033
BRIDGE STANDARD SHEETS		
3'-0" RAILING DETAILS	RD-36	8034

STATE PROJECT NO.
MISS. STP-2901-00(036)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX
(BRIDGE)


FMS: 105338 / 302000
COUNTY: YALOBUSHA
PROJECT NUMBER: STP-2901-00(036)

DESIGNER: Jacob E. Farris
CHECKER: Alex J. Hawkins
ISSUE DATE: 11-28-2024

DATE: 1/9/24
BY: JAF
REVISION: Added New Sheet

WORKING NUMBER: DI-BR-1
SHEET NUMBER: 8001

DESIGNER: JACOB E. FARRIS, STATE BRIDGE ENGINEER
CHECKER: ALEX J. HAWKINS, STATE BRIDGE ENGINEER
ISSUE DATE: 11-28-2024
BY: JAF, ASST. STATE BRIDGE ENGINEER

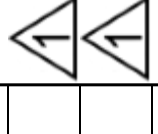


ADDENDUM

STATE	PROJECT NO.
MISS.	STP-2901-00(036)

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT	QUANTITIES	
			PRELIMINARY	FINAL
	Bridge Summary			
501-K001	Transverse Grooving	SY	2,372	
907-803-B001	Conventional Static Pile Load Test	EA	1	
907-803-I004	PDA Test Pile, Steel Pipe Pile	EA	3	
907-803-J001	Pile Restrike	EA	3	
803-K010	Drilled Shaft, 72" Diameter	LF	960	
803-L006	Test Shaft, 72" Diameter	EA	1	
803-M009	Trial Shaft, 72" Diameter	LF	125	
803-N001	Exploration	LF	80	
803-O011	Permanent Casing, 72" Diameter	LF	420	
803-P003	30" Steel Pipe Piling, Wall Thickness 0.500"	LF	1,800	
907-804-A001	Bridge Concrete, Class BDx	CY	748	
907-804-A002	Bridge Concrete, Class AA	CY	360	
804-C256	125' Prestressed Concrete Beam, Type FIB-54	LF	2,485	
804-C263	165' Prestressed Concrete Beam, Type FIB-72	LF	821	
805-A001	Reinforcement	LBS	233,491	
805-C001	Reinforcement, Corrosion Resistant	LBS	5,480	
813-A004	Concrete Railing, 36"	LF	1,334	
815-A007	Loose Riprap, Size 300	TON	4,102	
815-E001	Geotextile under Riprap	SY	2,410	
907-823-A002	Preformed Joint Seal, Type II	LF	73	



01/09/2024	Revised Qty	B1	By
01/09/2024	Revision	B1	Date
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES (BRIDGE ITEMS) PROJECT STP-2901-00(036) 105338-302000			
YALOBUSHA COUNTY DESIGNER <u>Barbara Jones, PE</u> CHECKER DETAILER ISSUE DATE 01/23/2024			
WORKING NUMBER SQ-BR-1			
SHEET NUMBER 8002			
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E. DEPT. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - MICAH DEW, P.E.			

ADDENDUM

STEEL PIPE PILE NOTES:

PDA Test piles shall be driven with an approved impact hammer as a production pile at the location shown in the PDA TEST PILE SCHEDULE and will be paid for as test piles only. Test piles shall be driven as a continuous operation. To the tip elevation shown in the PDA TEST PILE SCHEDULE, unless otherwise directed by the Director of Structures, State Bridge Engineer. Permanent piles shall be driven to an elevation no higher than the elevation shown in the REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. The Director of Structures, State Bridge Engineer may authorize test piles driven outside the structural limits. When feasible, bearing piles shall be driven full length and be spliced, only, as approved by the Director of Structures, State Bridge Engineer. Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electrodes shall be approved. When loading tests are required, the maximum test load shall be one and one-half (1½) times the minimum pile bearing capacity. PDA test piles shall require a 1 day restrike unless otherwise directed by the Engineer. Due to problematic soil in this region, it is anticipated that pile set-up may take longer than the typical 7 to 14 day period. Long-term restrikes in excess of 30 days may be required. Pile lengths and driving criteria shall be provided based on the results of the PDA test piles. The required ultimate pile bearing shown in the REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE includes the LRPD resistance factor for PDA of 0.65. Pile hammer leads used for all PDA test piles and PDA restrikes shall be large enough to provide a minimum of 3" clearance on each side of the pile in order to properly place and protect PDA gages. When 16,000 ft-lbs to the tip elevations specified unless the Contractor's drivability analysis utilizing the Contractor's selected criteria is approved by the Director of Structures. A separate hammer is intended to be used for PDA. All Steel Pipe Piles shall be ASTM A252, Grade 3 (Mod), Fy=50,000 psi. Welding shall comply with AWS D1.5 Bridge Welding Code and be performed by a certified welder. The tip elevation of piling for hydraulic structures may be determined by scour the foundation, no circumstances shall be taken from the bearing capacity. Pipe piles shall receive a protective coating beginning at the bottom of the cap and extending to the 100' scour elevation as shown on the Layout Sheet. The coating shall be one of the following, applied according to the manufacturer's specifications in two coats of 16mil minimum dry film thickness:

- Bitumastic 300-M Coal Tar Epoxy manufactured by Carboline Company in St. Louis, MO www.carboline.com
- Corotech Coal Tar Epoxy manufactured by INSL-X Company in Montvale, NJ www.corotechpiling.com
- Series 46-143 THEMEC-Tar manufactured by THEMEC Co Inc in Kansas City, MO www.themec.com

Any areas of coating above the ground line that become damaged during shipping or driving shall be repaired per the manufacturer's specifications. Any areas of coating affected by pipe pile splicing shall be repaired per the manufacturer's specification. Protective coating including surface preparation and application will be paid for as Steel Pipe Piling. (Not a separate pay item).

REQUIRED ULTIMATE SHAFT CAPACITIES AND TIP ELEVATIONS SCHEDULE

Bent No.	Shaft Dia. (in.)	Required Ultimate Compressive Capacity (Capacity (tons))	LRPD Resistance Factor	Required Ultimate Uplift Capacity (Capacity (tons))	LRPD Resistance Factor	Estimated Length (ft.)	Min. Tip Elevation
2	72	1,125	0.7	N/A	N/A	105	108
3	72	1,320	0.7	N/A	N/A	135	74
4	72	1,320	0.7	N/A	N/A	135	74
5	72	1,125	0.7	N/A	N/A	105	108

TRIAL SHAFT SCHEDULE

Station	Location	Shaft Dia. (in.)	Estimated Length (ft.)	Tip Elev.
1013+75	L.T. 30' of E US 51	72	125	80

TEST SHAFT SCHEDULE

Station	Location	Shaft Dia. (in.)	Estimated Length (ft.)	Tip Elev.
1014+00	R.T. 50' of E US 51	72	105	100

DRILLED SHAFT NOTES:

The Contractor shall notify the State Geotechnical Engineer at least three (3) days in advance of any shaft (trial, anchor or test) construction. See sheet no. 8030 for trial and test shaft details. Trial shafts shall be constructed as specified in Section 803 of the specifications, prior to construction of any test shafts.

The trial shaft shall be constructed at location shown on sheet no. 8003.

The length of trial shaft reinforcing steel cage shall be 125 ft. Test shafts shall be constructed at the locations and to the lengths shown in the TEST SHAFT SCHEDULE on this sheet unless otherwise directed by the Director of Structures, State Bridge Engineer and will be paid for as test shafts only.

A loading test is required for each test shaft per details on sheet no. 8030 and shall be performed as specified in Section 803 of the specifications. A draft copy of the load test report shall be submitted to the State Geotechnical Engineer within three (3) days of completion of the load test for each test shaft. The final load test report shall be submitted to the Director of Structures, State Bridge Engineer within thirty (30) days.

For computation of quantities, top of trial shaft shall be elev. 207 ft. (approximate ground). Bottom of trial shaft shall be 80 ft. When reinforcing steel projects from the drilled shaft into the column, the reinforcing steel will be included in the cost of the drilled shaft. When reinforcing steel projects from the column into the drilled shaft, the reinforcing steel will be included in the cost of the reinforcement.

Trial shaft reinforcing steel length shall be identical to the production shaft reinforcing steel as shown on sheet no. 8013.

Roller type centralizers are required for construction of all drilled shafts. Under no circumstances shall the pitch of the spiral reinforcement be adjusted to accommodate the installation of the chosen centralizer device.

The Contractor shall obtain the finish ground line elevation at each production shaft and submit them to the Director of Structures, State Bridge Engineer. The construction joint between the column and shaft shall be placed at this elevation and the reinforcing steel lengths shall be modified accordingly. The Contractor should be aware that final tip elevations for the production shafts will be provided after trial shafts and load tests have been performed.

The tip elevation and quantities shown on these plans are for estimating and design purposes only and may be raised or lowered depending on the outcome of a load test.

The required ultimate shaft capacities and tip elevation shown in the REQUIRED ULTIMATE SHAFT CAPACITIES AND TIP ELEVATION SCHEDULE on this sheet include the LRPD resistance factor of 0.7.

NOTES:

The girder deflection diagrams shown in these plans were prepared and intended for design and estimation purposes only. Actual bridge girder deflections may differ from the deflection diagrams shown in these plans.

It is the Contractor's responsibility to construct the bridge to meet the requirements of the plans and specifications including, but not limited to, the requirements for bridge deck smoothness.

Prior to formwork construction, the Contractor shall submit three (3) copies of a proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN to the Director of Structures, State Bridge Engineer for review, through the Project Engineer. This submittal shall include all calculations, assumptions and parameters used by the Contractor to determine bridge girder deflections and form grade elevations. This submittal shall also include an erection and construction procedure that addresses the construction means and methodologies used by the Contractor and shall consider effects including, but not limited to, construction phasing, pouring schedules, applied permanent and construction loading, and shall include calculations and details of temporary girder bracing systems used to ensure girder stability and to counter the effects of girder tilt.

After girder erection and prior to deck construction, the Contractor shall submit deck thickness verification calculations for each girder. These calculations shall include a comparison of the erected girder top flange profiles versus the plan deck grade elevations over each dead load and creep.

Three (3) copies of the deck thickness verification calculations and any proposed remediation measures to correct for thin deck areas shall be submitted to the Director of Structures, State Bridge Engineer for review, through the Project Engineer.

The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN and the deck thickness verification calculations shall be prepared and stamped by a Mississippi Registered Professional Engineer.

GENERAL NOTES:

Mississippi Standard Specifications for Road and Bridge Construction, 2017. No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not be cause for contract price adjustment.

The final surface texture of the bridge deck shall be mechanically transverse grooved in accordance with Sections 501 and 804 of the specifications. See Misc. Span Details for limits of transverse grooving on bridge deck. Bridge concrete shall be class "AA" or Class "BDX" fiber type unless otherwise noted.

No payment will be allowed for excavation incidental to the construction of end bents.

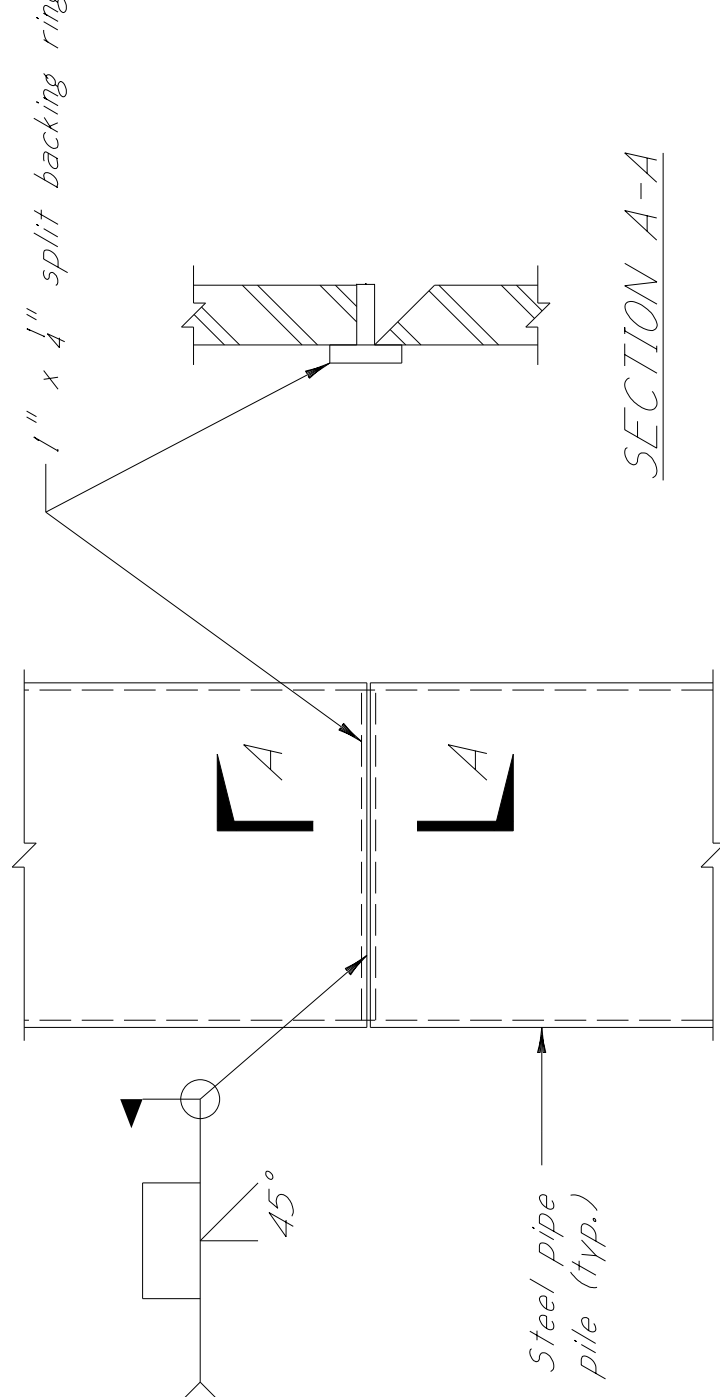
Bar bending details shall be in accordance with "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315R-04).

Reinforcement order lists and required placing plans shall be furnished in accordance with Section 805 of the Mississippi Standard Specifications. Partial submittals are not acceptable.

Shop drawings of prestressed beams, including an erection plan, shall be submitted in duplicate to the Director of Structures, State Bridge Engineer for approval prior to the manufacture of beams.

The Fabricator shall provide camber data at release and immediately prior to shipping. The Contractor shall provide camber data after erection. The Contractor should be aware that the deflection diagram may be modified based on the provided camber data. Therefore, deck grades should be set only after notification from the Director of Structures, State Bridge Engineer. Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.

Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted. Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefor will be included in the prices and payments for bid items.



PIPE PILE SPLICING DETAIL

30"Ø steel pipe piles

*NOTE:
Out-of-position test pile shall be driven at bent no. 6 within 3-5 pile diameters of a production pile. See Sheet no. 8006 for approximate location.

NOTE:
In lieu of splice plates, prefabricated splicers may be used. Prefabricated splicers shall be submitted for approval by the Director of Structures, State Bridge Engineer.

ESTIMATED QUANTITIES

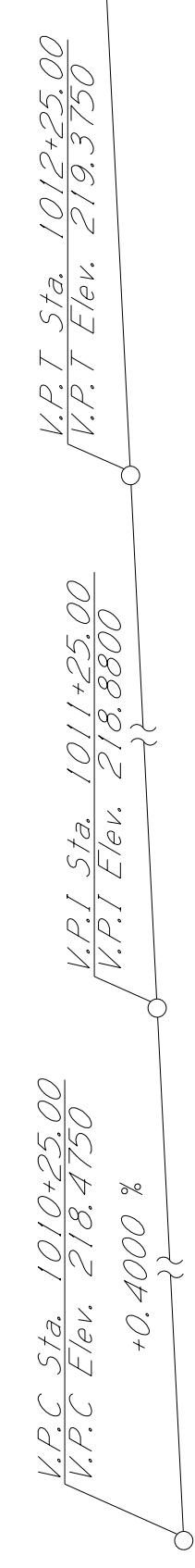
Item	Trans. Grooving (S.Y.)	Conventional Static Pile Load Test (Each)	PDA Test Pile, Steel Pipe (Each)	Pile Restrike (Each)	30"Ø Steel Pipe Pile (L.F.)	72"Ø Drilled Shaft (L.F.)	72"Ø Test Shaft (EACH)	72"Ø Trial Shaft (L.F.)	72"Ø Permanent Casing (L.F.)	Exploration (L.F.)	Bridge Concrete Class AA (C.Y.)	Bridge Concrete Class BDX (C.Y.)	125 Ft. Prest. Beams F1B-54 (L.F.)	165 Ft. Prest. Conc. Beams (L.F.)	Reinforce-ment (Lb.)	Reinforce-ment Corrosion Resistant (Lb.)	Concrete Railing, 36" (L.F.)	Loose Riprap (300#) (Ton)	Geotextile Under Riprap (S.Y.)	Preformed Joint Seal, Type II (L.F.)	
Spans	2,373	1	3	3	1,800	960	1	125	420	80	98.68	747.35	2,485	820.83	170,505	5,480	1,334	1,239	1,139	73	
End Bents																					
Int. Bents																					
Total	2,373	1	3	3	1,800	960	1	125	420	80	360.07	747.35	2,485	820.83	233,491	5,480	1,334	4,102	2,410	73	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1012+14.92
GENERAL NOTES AND ESTIMATED QUANTITIES

FMS:105338 / 302000
COUNTY: YALOBUSHA
PROJECT NUMBER: STP-2901-00(036)

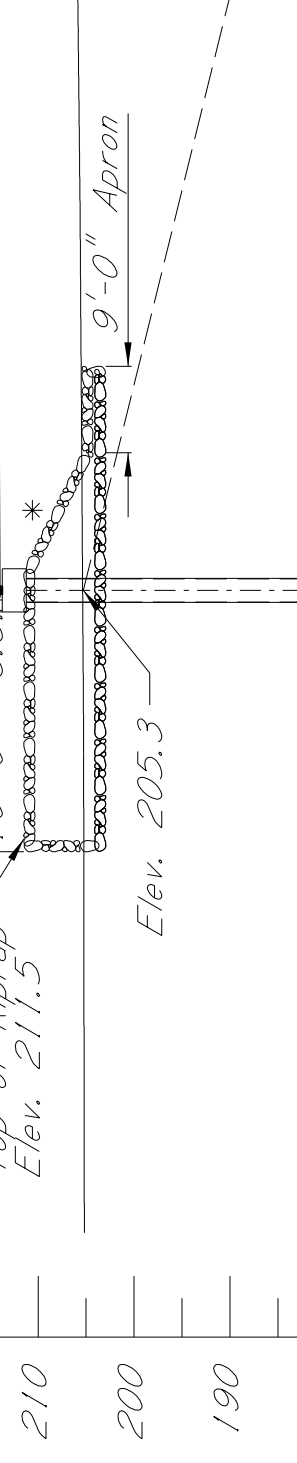
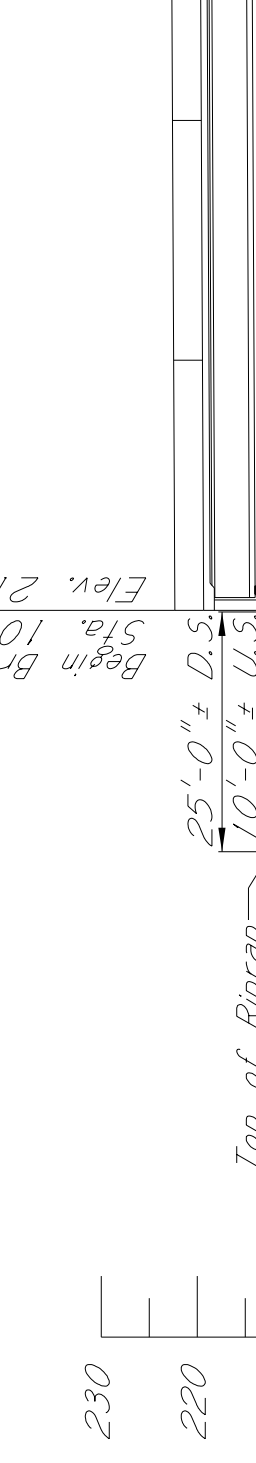
WORKING NUMBER
1 OF 23
SHEET NUMBER
8003

DATE: 1/9/24
DESIGNER: Jacob Erass
CHECKER: Alex Lankford
ISSUE DATE: 1-23-2024
DIRECTOR OF TRANSPORTATION: W. MICHAEL BRYANT, P.E.
DEPARTMENT OF TRANSPORTATION: W. MICHAEL BRYANT, P.E.

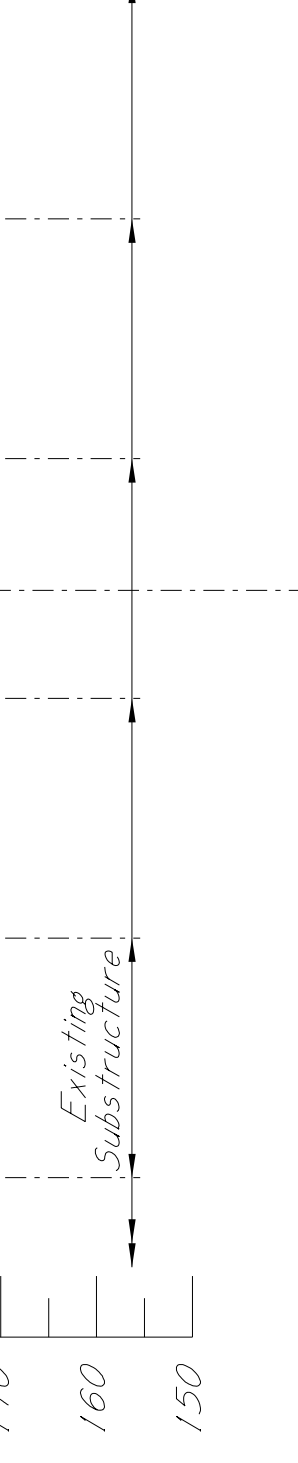


200 FT. VERTICAL CURVE

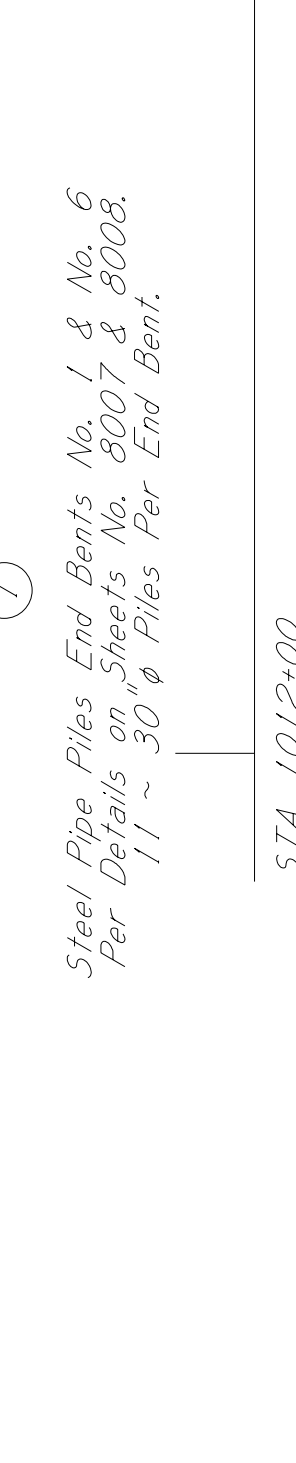
1 @ 126'-1" Prestressed Concrete
FIB-54 Beam span per details on sheet 8023.



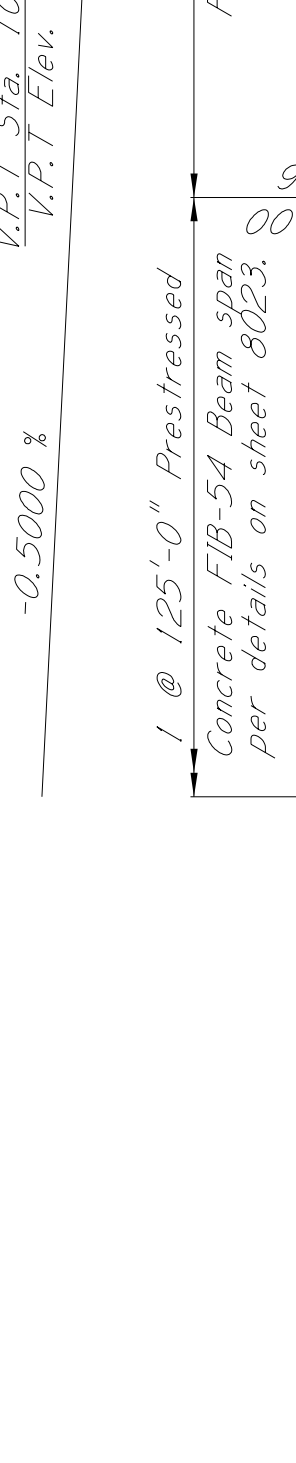
1 @ 125'-0" Prestressed Concrete
FIB-54 Beam span per details on sheet 8023.



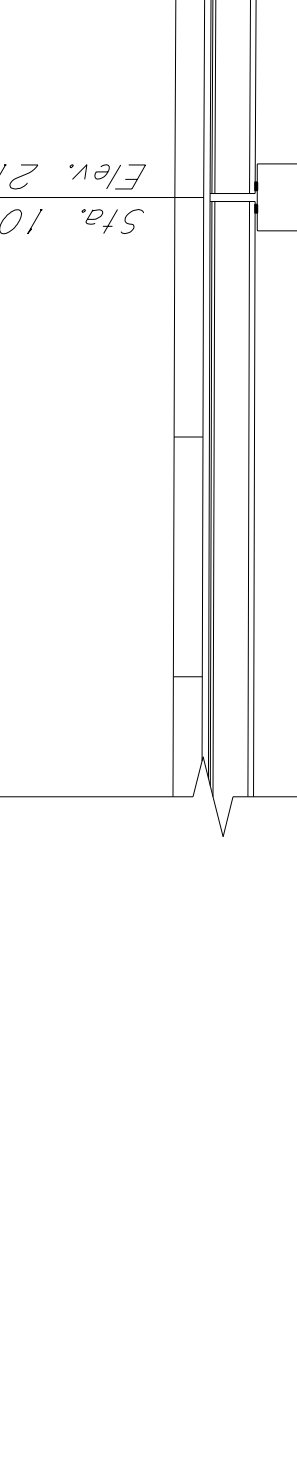
1 @ 125'-0" Prestressed Concrete
FIB-72 Beam span per details on sheet 8024.



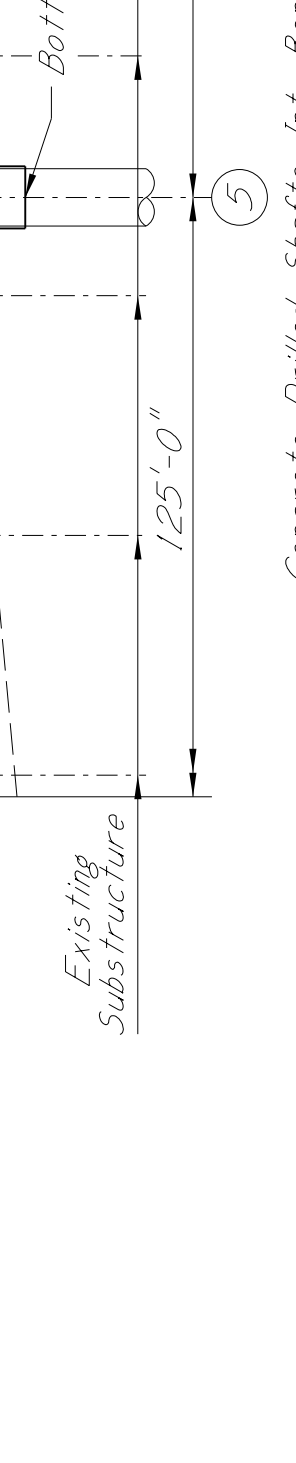
1 @ 125'-0" Prestressed Concrete
FIB-54 Beam span per details on sheet 8023.



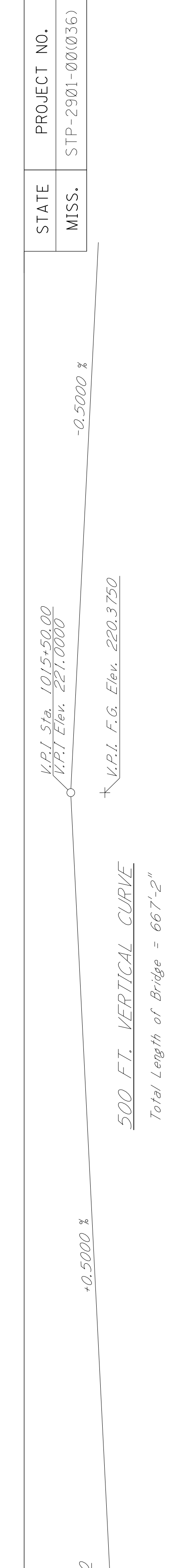
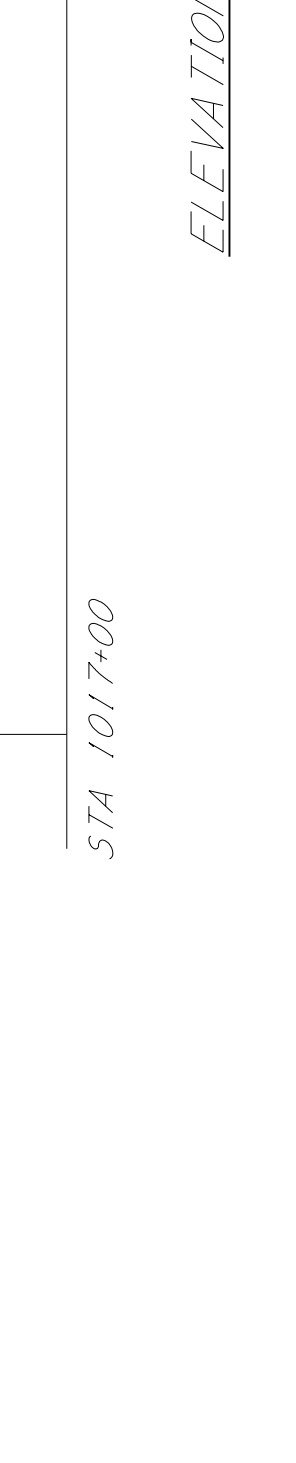
1 @ 125'-0" Prestressed
Concrete FIB-54 Beam span
per details on sheet 8025.



1 @ 125'-0" Prestressed
Concrete FIB-54 Beam span
per details on sheet 8023.

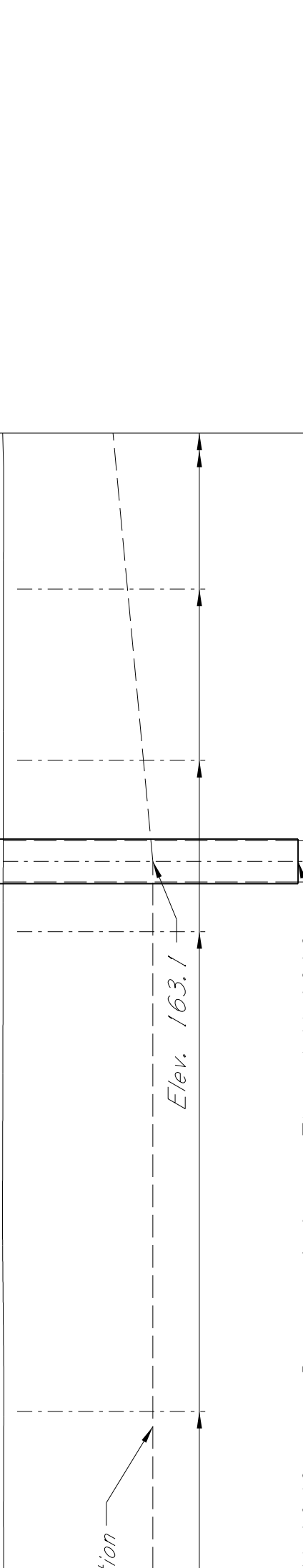
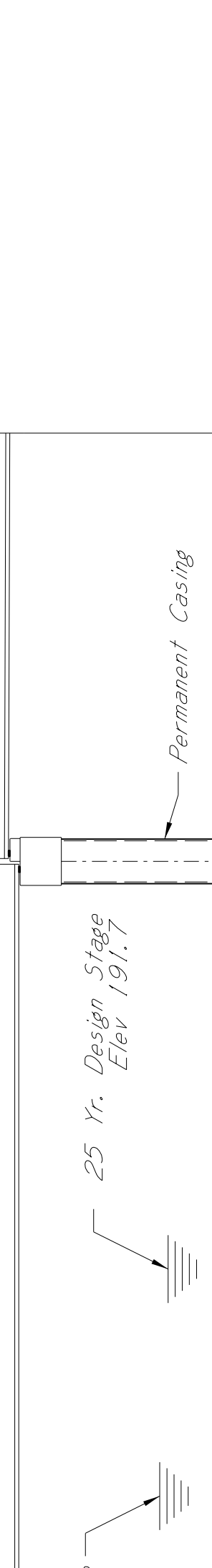


1 @ 126'-1" Prestressed Concrete
FIB-54 Beam span per details on sheet 8023.

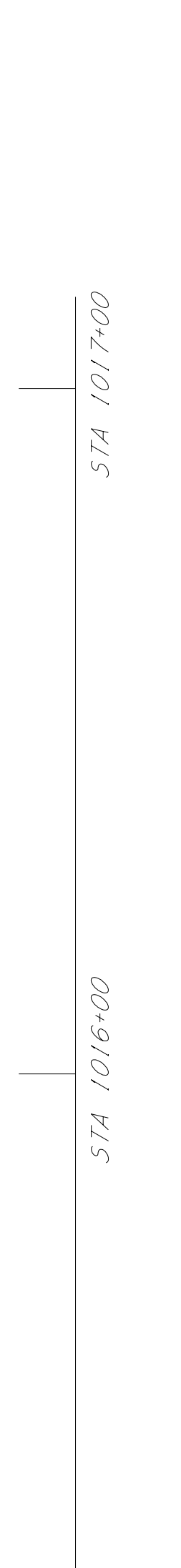


500 FT. VERTICAL CURVE

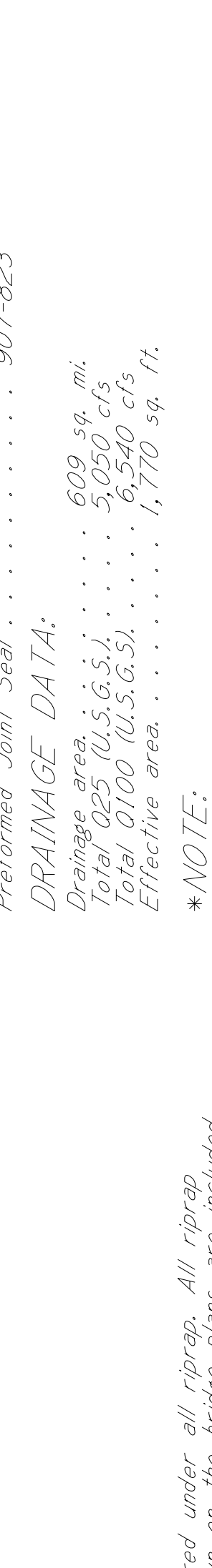
1 @ 165'-0" Prestressed Concrete
FIB-72 Beam span per details on sheet 8024.



Concrete Drilled Shafts Int. Bents No. 3-4
Per Details on Sheets No. 8011 & 8013.
2 ~ 12" Shafts with Permanent casing
Per Int. Bent.



Concrete Drilled Shafts Int. Bents No. 3-4
Per Details on Sheets No. 8011 & 8013.
2 ~ 12" Shafts with Permanent casing
Per Int. Bent.



NOTE:
Roadway embankment fill required from Sta. 1007+05 to
Sta. 1012+16 and Sta. 1018+81 to Sta. 1023+45.

TEST PILES
Concrete Bridges and Structures: 907-803
Preformed Joint Seal: 907-804

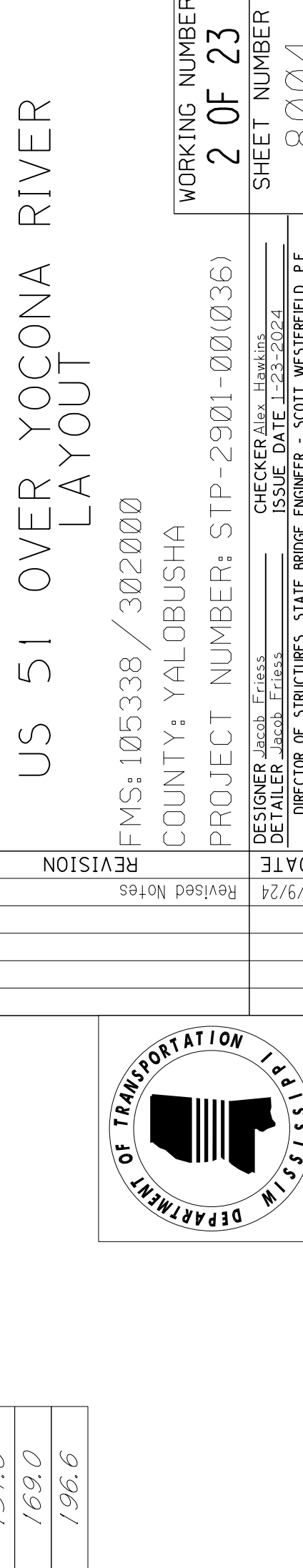
DESIGN DATA:
Specifications: A.A.S.H.T.O., LAFD 9th Edition, 2020
Loading: HL-93
Roadway width: 36'-0"
Concrete: Class "AA" (4,000 p.s.i.)
Class "BDX" (4,500 p.s.i.)
Stay-in-Place metal forms: . . . 18 lbs./ft² (between flanges)
Seismic Performance Zone: 2
Seismic Soil Site Class: C
Seismic Operational Class: Other

500 YEAR SCOUR ELEVATION

Bent	Elevation
Bent 1	202.1
Bent 2	169.0
Bent 3	157.8
Bent 4	157.8
Bent 5	169.0
Bent 6	196.6

NOTE:
Geotextile fabric is required under all riprap. All riprap
and geotextile fabric shown on the bridge plans are included
in the bridge quantities.

NOTE:
For General Notes & Est. Quantities and additional details
see Sheet No. 8003.



Steel Pipe Piles End Bents No. 1 & No. 6
Per Details on Sheets No. 8007 & 8008.
11 ~ 30" Shafts Per End Bent.

Concrete Drilled Shafts Int. Bents No. 2-5
Per Details on Sheets No. 8009 & 8013.
2 ~ 12" Shafts with permanent casing
Per Int. Bent.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1012+14.92

US 51 OVER YOCONA RIVER
LAYOUT

FMS: 105338 / 302000
COUNTY: YALOBUSHA
PROJECT NUMBER: STP-2901-00(036)

WORKING NUMBER: 2 OF 23
SHEET NUMBER: 8004

DATE: 1/9/24
REVISION:
BY: [initials]

DESIGNER: Jacob Erass
DETAILER: Jacob Erass
CHECKER: Alex Jarolin
ISSUE DATE: 12-23-2024
DIRECTOR OF TRANSPORTATION: MICHAEL M. PETERSON
DIRECTOR OF STRUCTURES: GASTON BRIDGE ENGINEER, MICHAEL DEW, P.E.

ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY

Scale: 1" = 20'-0"

STA 1017+00 STA 1018+00 STA 1019+00

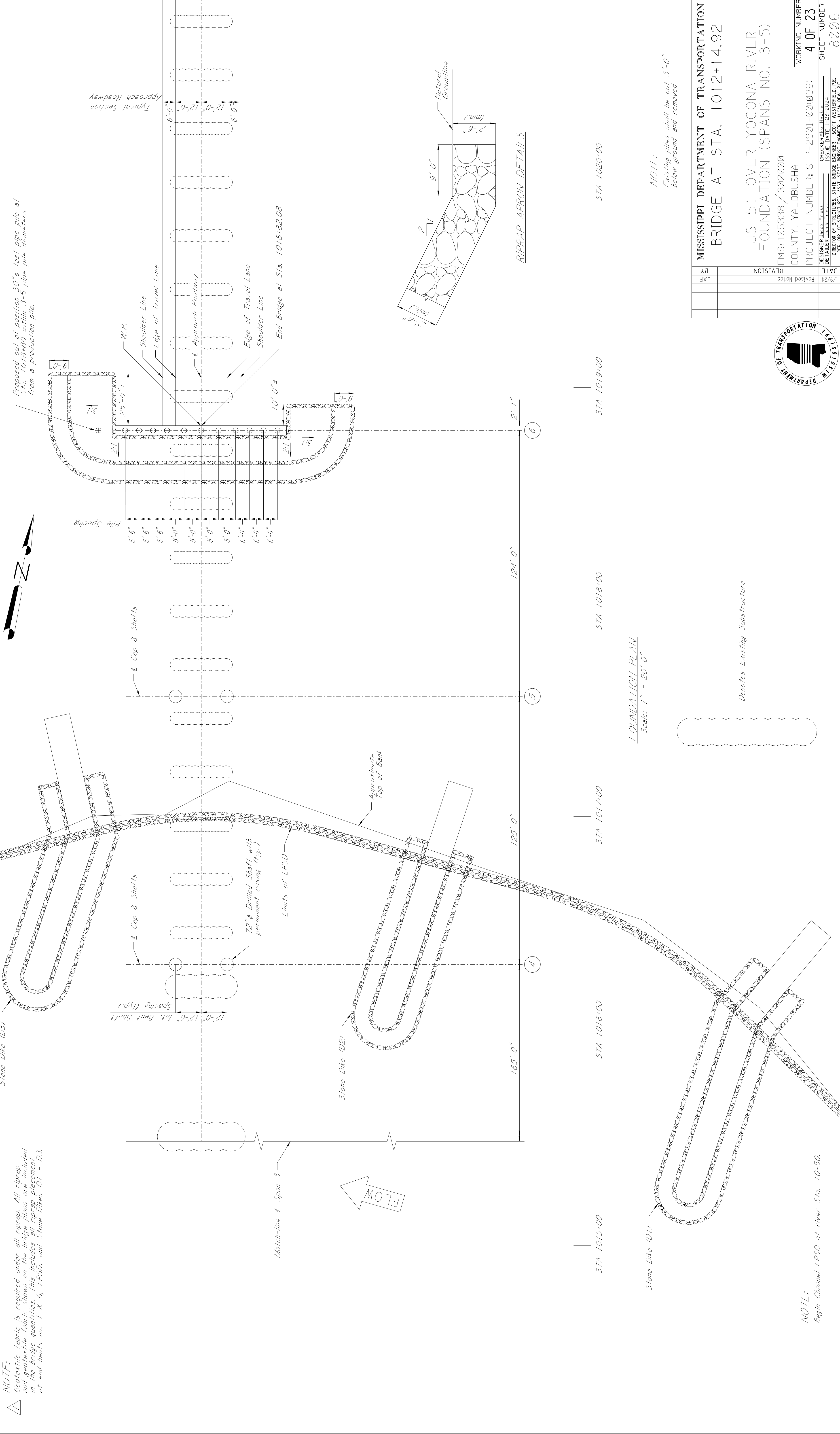
ADDENDUM

NOTE:
 For additional information and cross sections regarding LPSD and Stone Dikes D1 through D3, see sheets no. 8006 & 8006.1

NOTE:
 Geotextile fabric is required under all riprap. All riprap and geotextile fabric shown on the bridge plans are included in the bridge quantities. This includes all riprap placement at end bents no. 1 & 6, LPSD, and Stone Dikes D1 - D3.

NOTE:
 End Channel LPSD at river Sta. 19+50.

STATE	PROJECT NO.
MISS.	STP-2901-00(036)



FOUNDATION PLAN
 Scale: 1" = 20'-0"

NOTE:
 Existing piles shall be cut 3'-0" below ground and removed

Denotes Existing Substructure

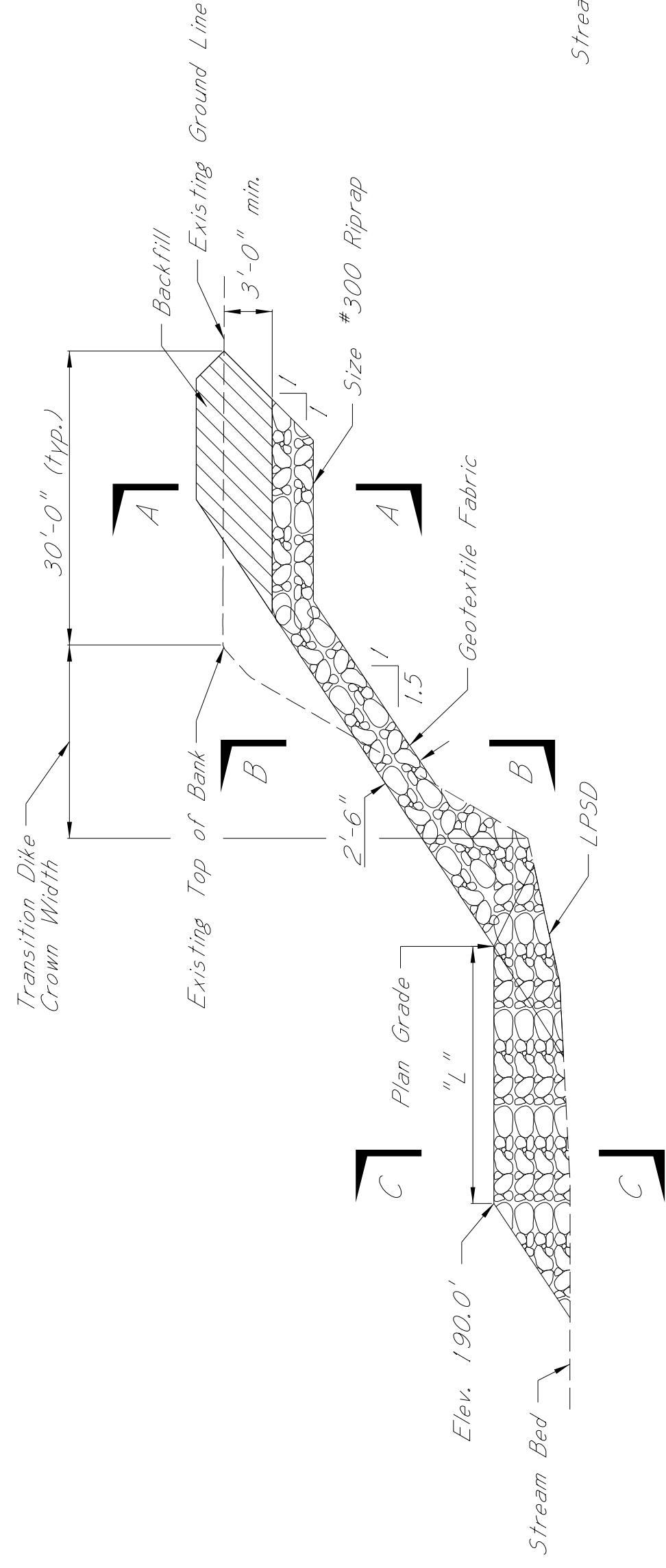
DATE	1/9/24	REVISION	Revised Notes
BY	JAF		

DESIGNER: Jacob E. Franks
 CHECKER: Alex J. Hawkins
 ISSUED DATE: 11-22-2023
 PROJECT: US 51 OVER YOCONA RIVER FOUNDATION (SPANS NO. 3-5)
 COUNTY: YALOBUSHA
 PROJECT NUMBER: STP-2901-00(036)
 DESIGNER: MICHAEL DEW, P.E.
 DIRECTOR OF STRUCTURES, ASSISTANT STATE ENGINEER - MICHAEL DEW, P.E.

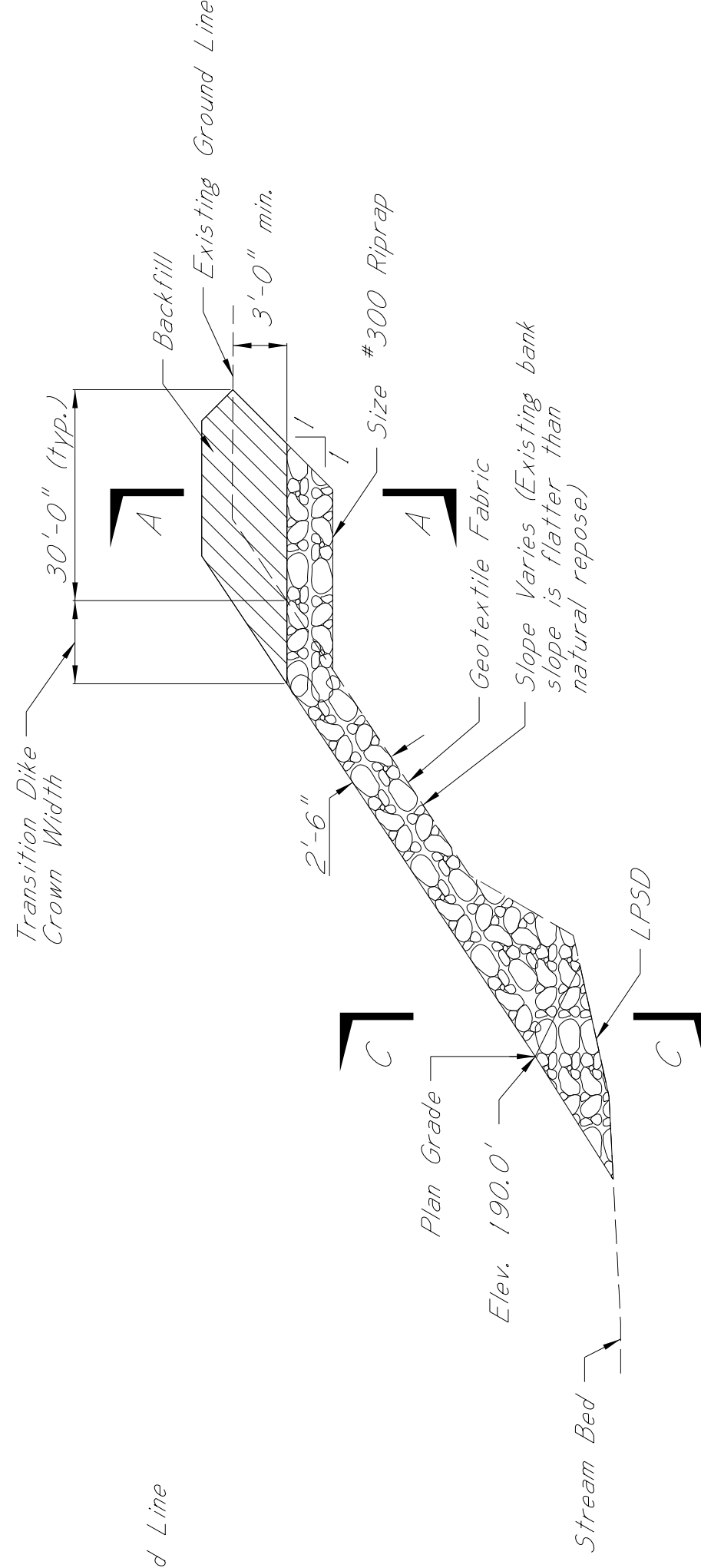
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 1012+14.92
 US 51 OVER YOCONA RIVER
 FOUNDATION (SPANS NO. 3-5)
 FMS: 105338 / 302000
 COUNTY: YALOBUSHA
 PROJECT NUMBER: STP-2901-00(036)
 WORKING NUMBER: 4 OF 23
 SHEET NUMBER: 8006



NOTE:
 Begin Channel LPSD at river Sta. 10+50.

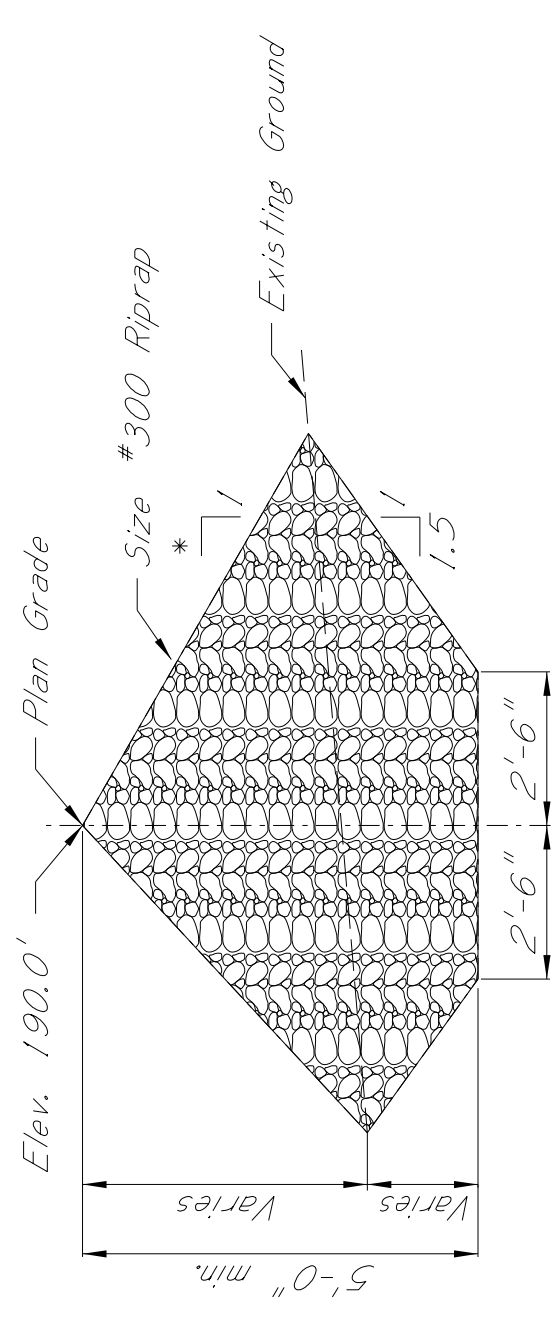


TYPICAL STONE TRANSVERSE STONE DIKE



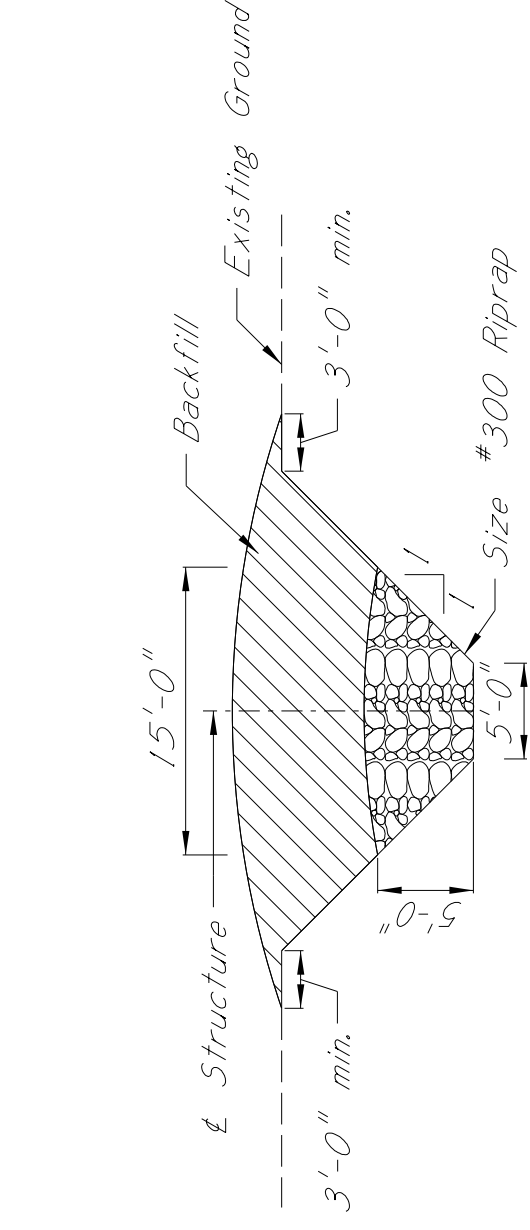
TYPICAL STONE TIEBACK

Sta. 10+50 & Sta. 18+54

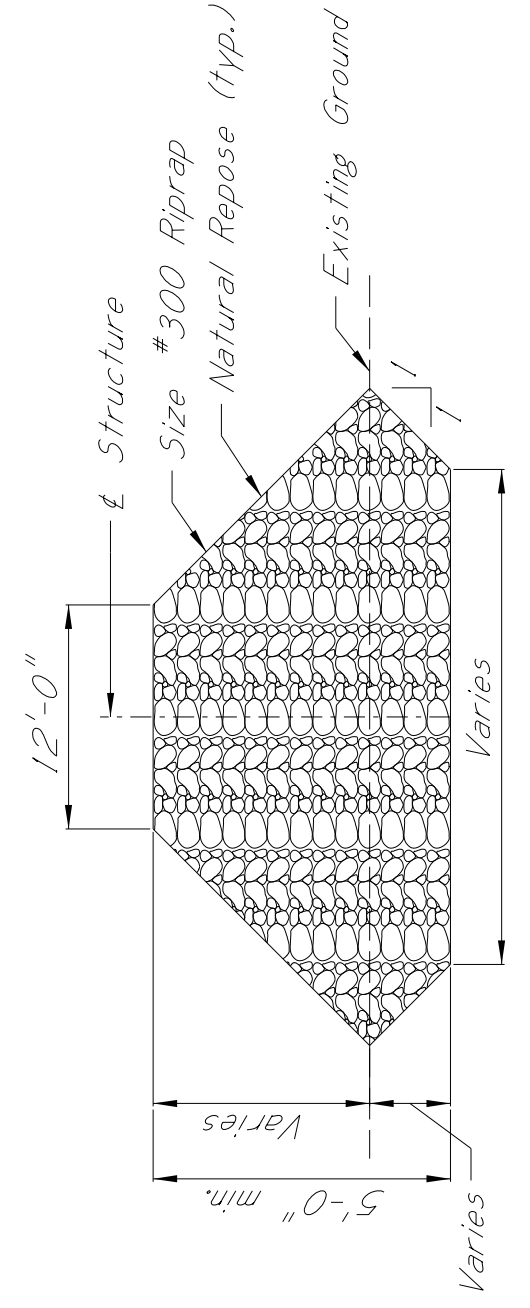


TYPICAL PEAKED TRENCH-FILL DIKE TRANSITION (PTFD)

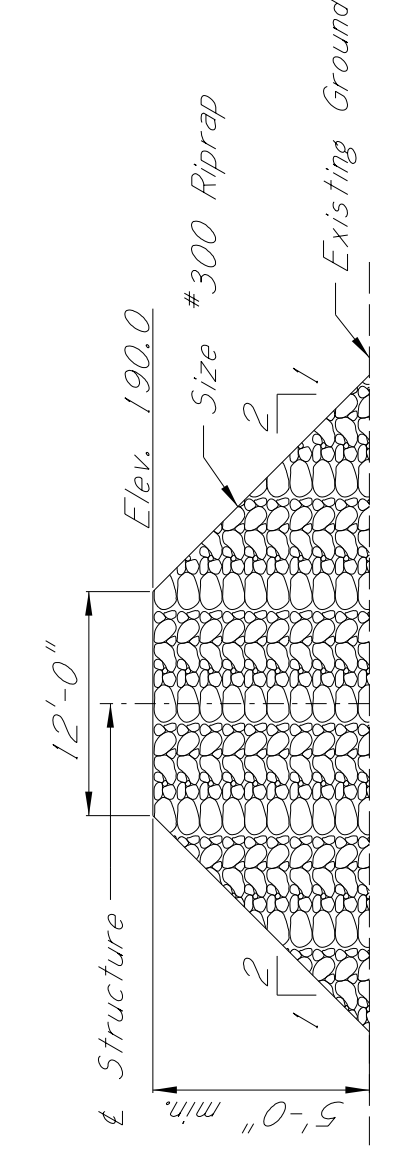
Sta. 14+50 to Sta. 16+25



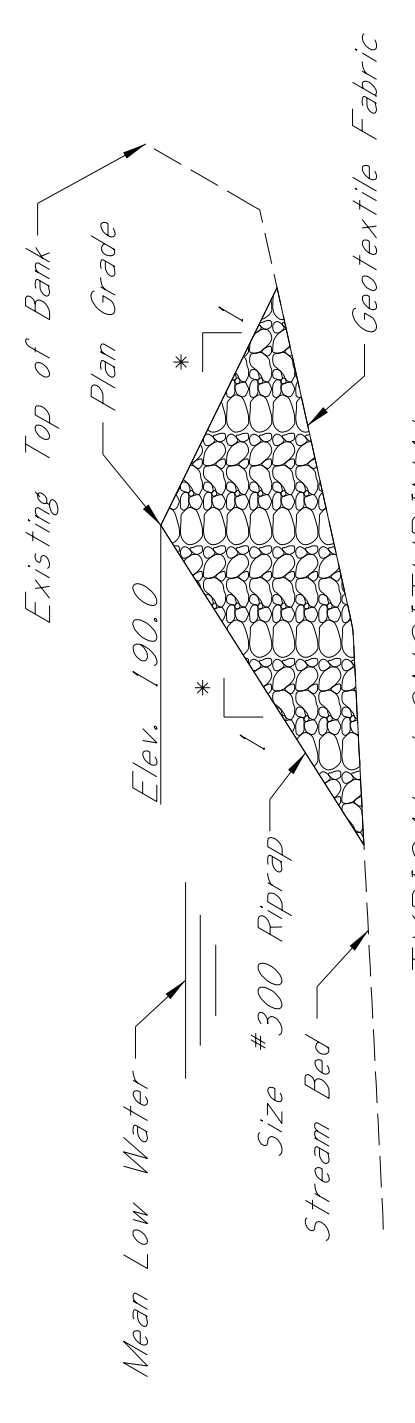
SECTION A-A



SECTION B-B



SECTION C-C



TYPICAL LONGITUDINAL PEAKED STONE DIKE (LPSD)

Approximately 2 tons per linear foot, average
Sta. 10+50 to Sta. 14+50
Sta. 16+25 to Sta. 19+50

DIKE BANK	STA.	"L" CREST	ANGLE	AZ
D1	RIGHT 13+61	84	63°55'19"	186°18'05"
D2	RIGHT 15+25	91	92°48'31"	186°18'05"
D3	RIGHT 16+93	70	122°50'39"	186°18'05"

NOTES:

1. Azimuth is the compass reading from magnetic north along the centerline of dike
2. Bank side (left or right) indicates the side of the bank looking downstream.
3. Where dike ties into high bank, bank slope shall be the slope of natural Repose of stone of the existing bank slope, whichever is flatter.
4. Section B-B represents the areas where the stone dike transitions from fill riprap (C-C) to trenched riprap (A-A).

***NOTE:**

Slope of Natural Repose of stone may vary from 1V:1.25H to 1V:1.5H.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1012+14.92

STONE TIEBACK & LONGITUDINAL PEAKED STONE DIKE DETAILS

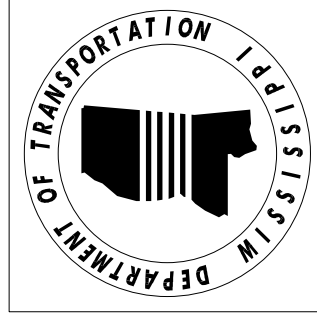
FMS: 105338 / 302000
COUNTY: YALOBUSHA

PROJECT NUMBER: STP-2901-00(036)

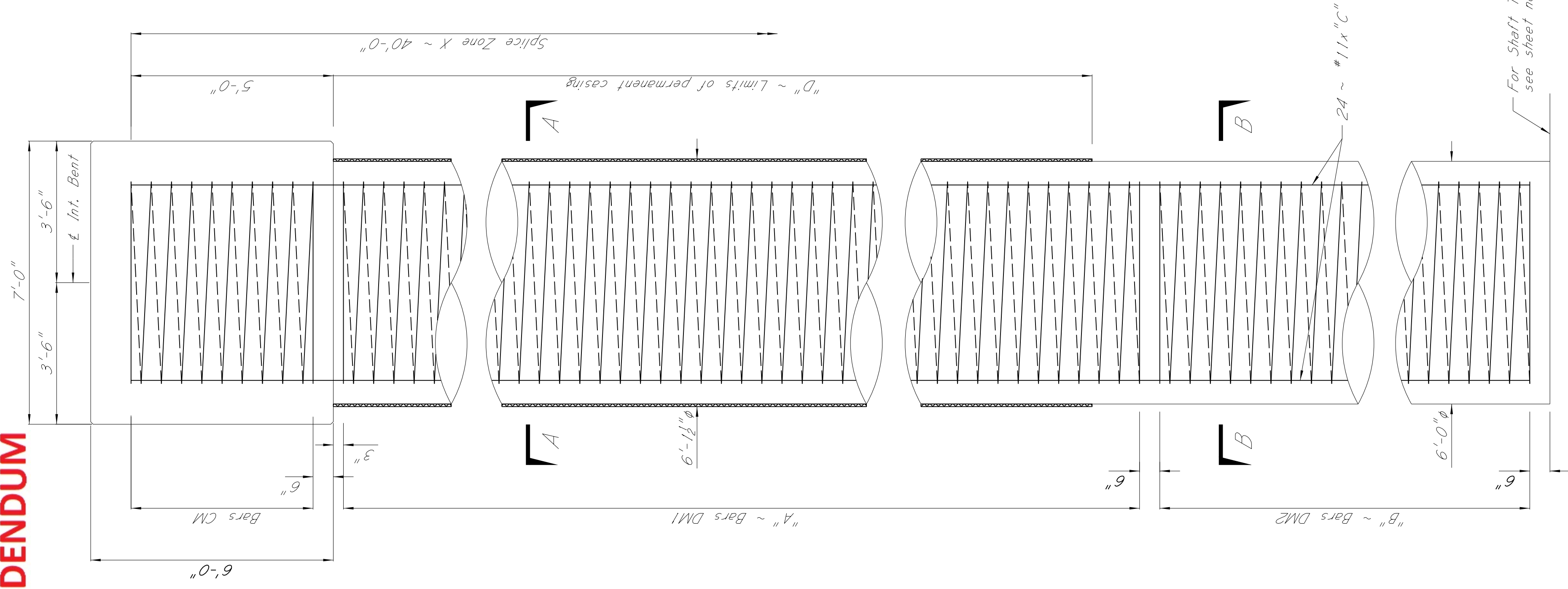
DESIGNER: JACOB FRANKS
CHECKER: ALP. HAWKINS
DATE: 11/24
REVISION: Addd New Sheet

DATE: 1/9/24

WORKING NUMBER: 8006.1
SHEET NUMBER: 4.1 OF 23

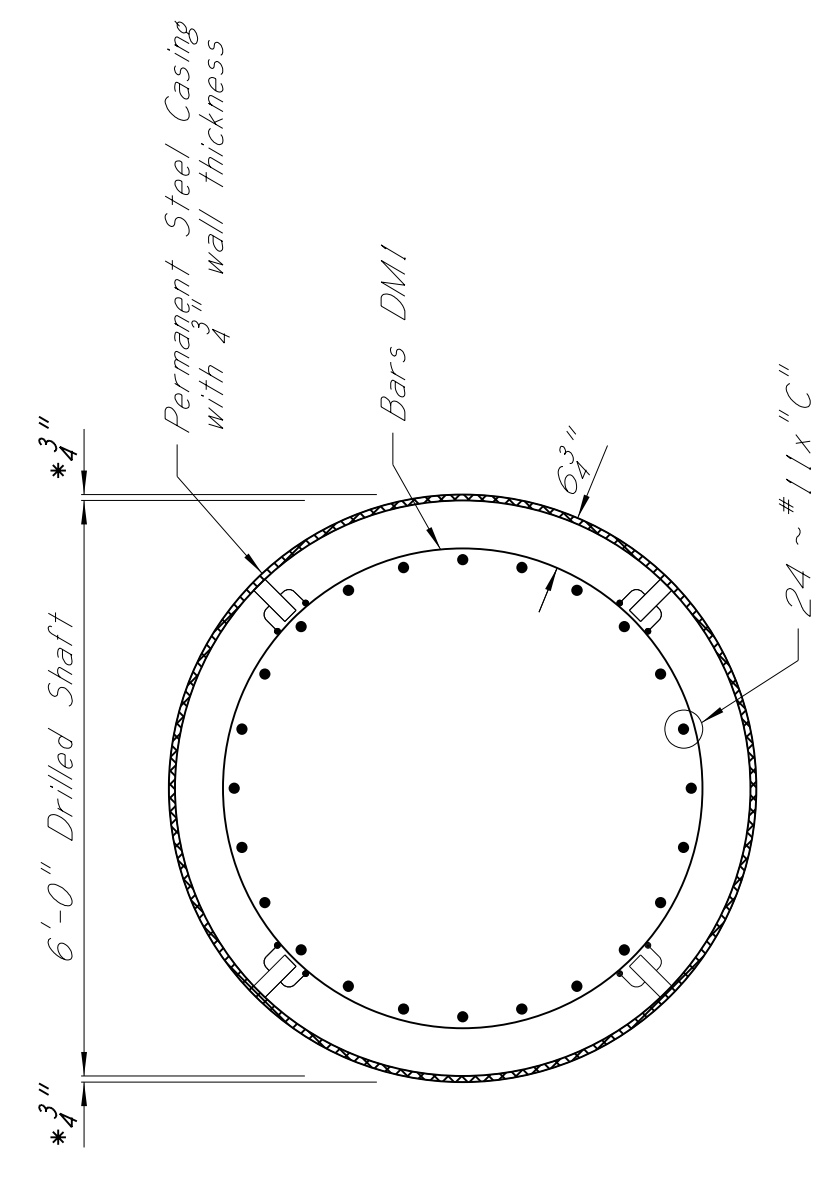


ADDENDUM

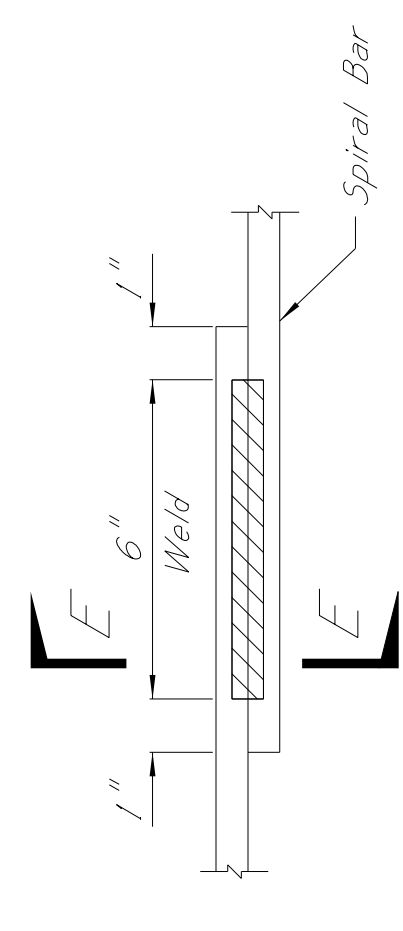


For Shaft Tip Elevation, see sheet no. 8003.

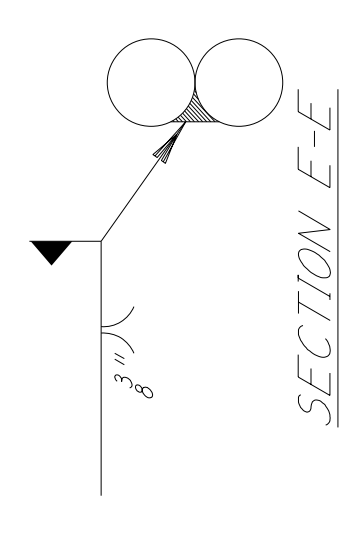
DRILLED SHAFT ELEVATION



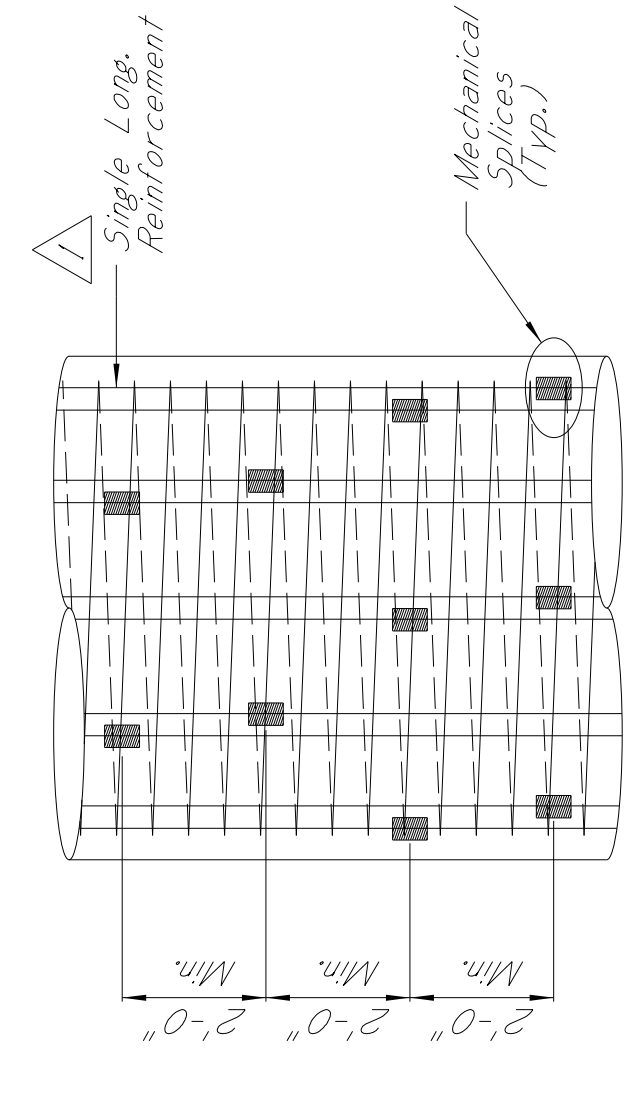
SECTION A-A



DETAIL "A"

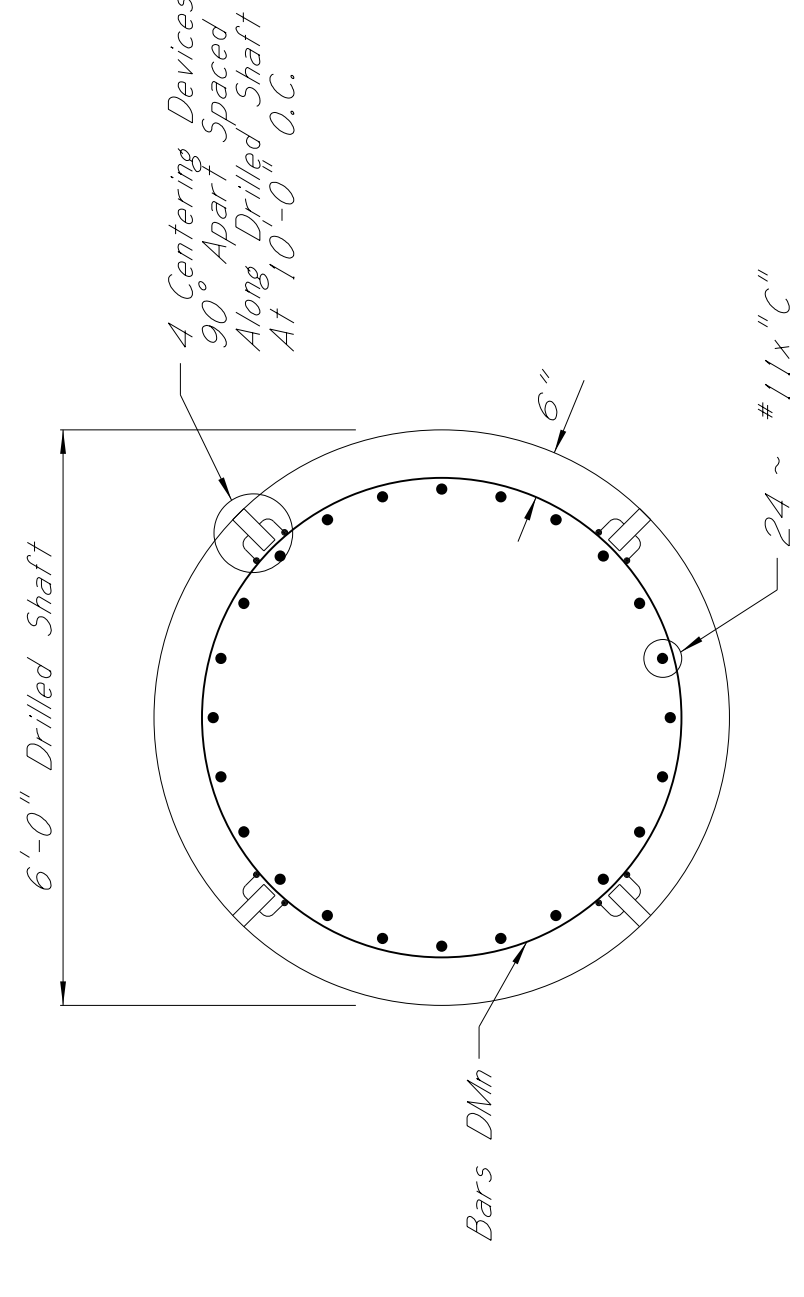


SECTION E-E

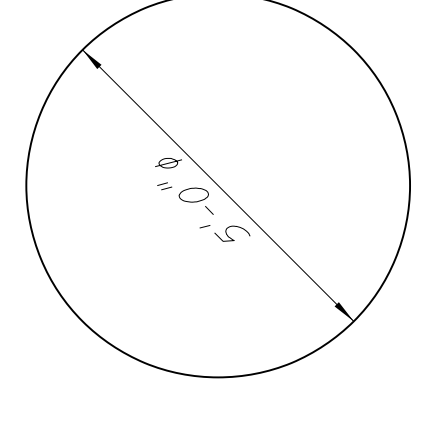


MECHANICAL SPLICE DETAIL

Bent No.	"A"	"B"	"C"	"D"
2	48'-9"	55'-0"	109'-6"	40'-0"
3	63'-9"	70'-0"	139'-6"	65'-0"
4	63'-9"	70'-0"	139'-6"	65'-0"
5	48'-9"	55'-0"	109'-6"	40'-0"

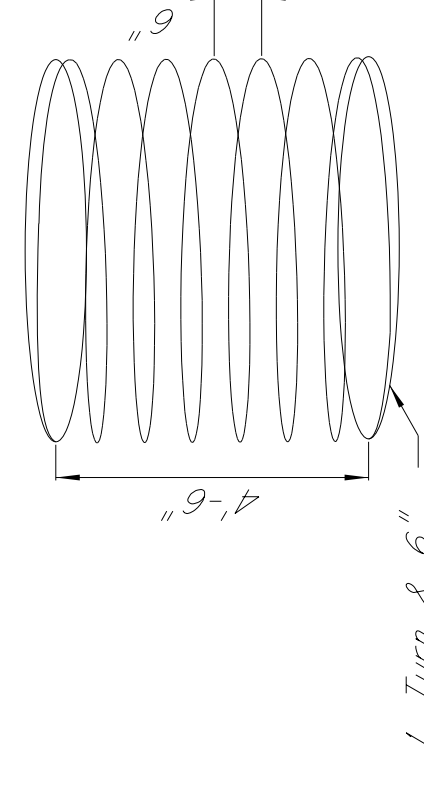


SECTION B-B

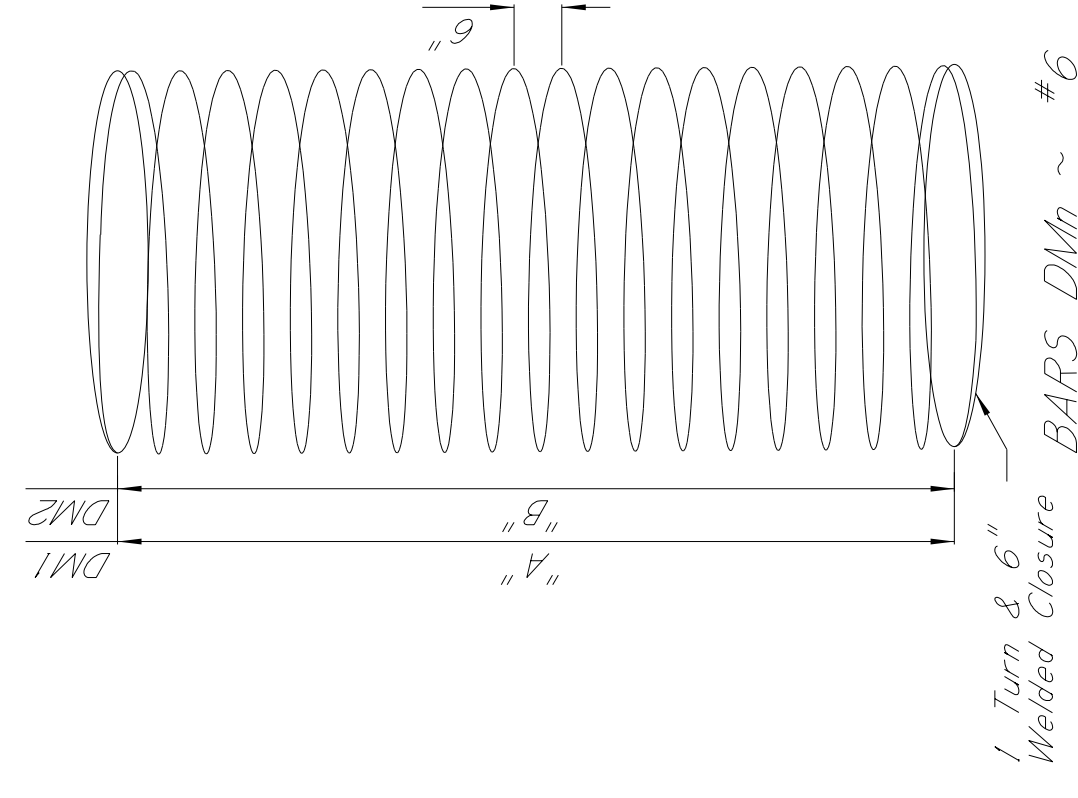


PLAN OF SPIRAL

Dimension of spiral is out-to-out



Cap Reinforcement
BARS CM ~ #6



Drilled Shaft Reinforcement
BARS DMh ~ #6

NOTE:
The cost of the drilled shaft reinforcement shall be included in the cost of the drilled shaft (includes reinforcement from shaft shown to extend into caps. Bars CM shall be paid for with cap reinforcing.)

GENERAL NOTES

All concrete in cap shall be Class "AA".
Chamfer all edges 3/4" unless otherwise noted.
Placing dimensions from reinforcing steel to concrete surfaces are clear distances.

SPLICE NOTE:

Longitudinal reinforcement may be mechanically spliced as shown in MECHANICAL SPLICE DETAIL outside of Splice Zone X only. Splices of spiral reinforcement may occur in Splice Zone X and must be full strength lap welds or approved mechanical splices.
Where welds are used, spiral reinforcement must be a weldable grade of ASTM A706 or ASTM A615 or A996 meeting the weldability requirements of ANSI/AWS D1.4-79 and be Grade 60 reinforcement. See Detail "A" for welded splice details.
No lap splicing of longitudinal or spiral reinforcement is permitted.

MECHANICAL SPLICE NOTES:

Mechanical Splices Shall Alternate Between Adjacent Lines Of Single Longitudinal Reinforcement And Shall Be Separated A Minimum Distance Of 2'-0" Vertically. See Detail "A" For Further Clarification. Mechanical Bar Splices Shall Be One Of The Following Products Or An Approved Equal:
A. "Grip-Twist" Shall Be As Manufactured By Bar Splice Products, Inc. Dayton, OH.
B. "Bar-Lock" Shall Be As Manufactured By DAYTON SUPERIOR Dayton, OH.
C. "Lenton Standard Couplers" Shall Be As Manufactured By Lenton Of Solon, OH.

All Components Of the Mechanical Splicing System Shall Be Installed In Strict Accordance With The Manufacturer's Directions. A Representative Of The Manufacturer Must Be Present For Sufficient Time To Assure That The Contractor Is Properly Schooled In The Installation Of Mechanical Splices.
It Is The Contractor's Responsibility To Adjust The Dimensions Of Reinforcing To The Proper Length According To What Mechanical Splice Is Used During Construction.

***NOTE:**

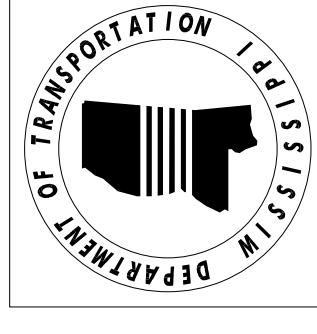
Permanent steel casing with 3/4" wall thickness.

STEEL CASING GENERAL NOTES:

Steel permanent casing shall conform to ASTM A252, Grade 2 (FY = 35 ksi) and shall be either seamless or spiral butt-welded.
All reinforcing steel shall conform to ASTM A615, Grade 60.
Two coats of epoxy coal tar coating shall be applied to the outside of the permanent casing prior to installation. The color shall be black. The limits of the epoxy coal tar coating for permanent casing shall be from the planned bottom of cap to an elevation five feet below the 100 year scour line elevation. Epoxy coal tar coating application below the specified elevation is not allowed. Extending the coating below the specified elevation may result in a possible capacity reduction up to 50%. Any sustained damages to initial coat due to transport, handling, or welding shall be repaired with an additional field applied coating.
The epoxy coal tar coating shall be one of the following applied according to Manufacturer's specifications:

- A. PermoTar Epoxy/Coal Tar Coating
Manufactured By Pilgrim Permacoat, Inc. in Tampa, FL
www.pilgrimpermacoat.com
- B. Tar-Guard Coal Tar Epoxy
Manufactured by The Sherwin Williams Company in Cleveland, OH
www.sherwin-williams.com
- C. Bitumastic 300M Coal Tar Epoxy
Manufactured by Carbolite in St. Louis, MO
www.carbolite.com

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1012+14.92
INTERMEDIATE BENTS NO. 2
THRU 5 DRILLED SHAFT DETAILS



FMS:105338 / 302000

COUNTY: YALOBUSHA

PROJECT NUMBER: STP-2901-00(036)

DESIGNER: Jacob Erass
CHECKER: Alex Haskins
ISSUE DATE: 11-23-2022
DRAWN BY: JACOB ERASS
PROJECT MANAGER: WALTER W. WILSON, P.E.
DIRECTOR OF STRUCTURES, EAST STATE BRIDGE ENGINEER: WALTER W. WILSON, P.E.

WORKING NUMBER
11 OF 23
SHEET NUMBER
8013

STATE PROJECT NO.
MISS. STP-2901-00(036)