

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>10/21/2022</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	<u>2</u>	DATED	<u>10/26/2022</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number	Description
1	Postponed until October 31, 2022; Amendment EBSx Download Required.
2	Revised Advertisement; Revised S.P No. 907-420-5; Revised Plan Sheet Nos. 1, 2, 4, 5, 6, 7 & 28; Amendment EBSx Download Required.

TOTAL ADDENDA: 2
(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.

SP-0163-00(008)/ 108896301000

Amite County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 901 - ADVERTISEMENT

Electronic bids will be received by the Mississippi Transportation Commission at 10:00 o'clock A.M., Tuesday, October 31, 2022, from the Bid Express Service and shortly thereafter publicly read in the Construction Division for:

Mill & Overlay approximately 1 mile of SR 24 from the west City Limits of Liberty to just west of Velma Street, known as State Project No. SP-0163-00(008) / 108896301 in Amite County.

The attention of bidders is directed to the predetermined minimum wage rate set by the U. S. Department of Labor under the Fair Labor Standards Act.

The Mississippi Department of Transportation hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, age, disability, religion or national origin in consideration for an award.

Plans and specifications are on file in the offices of the Mississippi Department of Transportation.

Contractors may request permission to bid online at <http://shopmdot.ms.gov> at no cost. Upon approval, Contractors shall be eligible to submit a bid using Bid Express at <http://bidx.com>. Specimen proposals may be viewed and downloaded online at no cost at <http://mdot.ms.gov> or purchased online at <http://shopmdot.ms.gov> at a cost of Ten Dollars (\$10.00) per proposal plus a small convenience fee. Cash or checks will not be accepted as payment.

Plans must be purchased online at [<https://shopmdot.ms.gov>](https://shopmdot.ms.gov). Costs of plans will be on a per sheet basis plus a small convenience fee. If you have any questions, you can contact the MDOT Plans Print Shop at (601) 359-7460, or e-mail at plans@mdot.state.ms.us. Plans will be shipped upon receipt of payment. Cash or checks will not be accepted as payment.

Bid bond, signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent, with Power of Attorney attached, a Cashier's check or Certified Check for five (5%) percent of bid, payable to STATE OF MISSISSIPPI, must accompany each proposal.

The attention of bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

BRAD WHITE
EXECUTIVE DIRECTOR

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-420-5

CODE: (SP)

DATE: 08/16/2022

SUBJECT: Undersealing Concrete Pavement

PROJECT: SP-0163-00(008) / 108896301 – Amite County

Section 907-420, Undersealing Concrete Pavement, is hereby added to and made a part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows:

SECTION 907-420 -- UNDERSEALING CONCRETE PAVEMENT

907-420.01--Description. Undersealing concrete pavement shall consist of placing a polyurethane foam mixture beneath existing concrete pavement at the locations shown in the plans, or directed by the Engineer.

The intent of the undersealing process is to lift, underseal, and fill the voids under existing concrete pavement, or bridge end slabs. When raising concrete pavement/slabs, care shall be taken to assure that the final elevation of the concrete pavement/slab is aligned vertically with the adjacent and surrounding pavement.

907-420.02--Materials. Material for undersealing shall meet the following requirements.

Properties	Test Value	Test Method
Density, lbs./ft., minimum	4.0	ASTM D 1622
Tensile Strength, psi, minimum	90	ASTM D 1622
Compression Strength, psi (at yield point), minimum	80	ASTM D 1621

The material for undersealing shall achieve 90% of its compressive strength in 15 minutes.

The material shall be a polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of structural polyurethanes in excess water.

The high density polyurethane material shall maintain 90% of the density and compressive strength requirements in wet conditions.

The Contractor shall furnish the Engineer with certified test reports showing that the material meets the requirements of the specification.

907-420.03--Construction Requirements.

907-420.03.1--General. All undersealing will be done at the locations specified in the plans, or as directed by the Engineer. The equipment shall be that customarily used in undersealing. It shall consist of no less than the following:

1. A pneumatic or electric drill capable of drilling holes in the concrete pavement. The equipment shall be in satisfactory operating condition and operated in such a manner as to prevent unnecessary damage to the pavement.
2. A pump capable of injecting the high density polyurethane between the concrete pavement and the underlying material while controlling the rate of rise of the pavement.
3. A leveling unit to ensure the concrete pavement is raised to the desired elevation.

907-420.03.2--Drilling Holes. Unless otherwise shown in the plans, the injection holes shall be drilled at six to eight-foot intervals throughout the concrete pavement. The holes shall be a maximum of $\frac{3}{4}$ inch in diameter. Any other size hole must be approved by the Engineer.

907-420.03.3--Injection Process. The nozzle of the discharge hose shall be secured in the drilled hole in a manner that provides an adequate seal during the pumping process. As the polyurethane reacts, it expands and hardens resulting in a lift of the pavement. The amount of rise shall be controlled by regulating the rate of injection. When the nozzle is removed, the hole shall be plugged or sealed to the satisfaction of the Engineer. Any excess polyurethane material shall be removed from the pavement.

A leveling device (survey level, laser level, string line, etc.) shall be used to monitor and verify the elevation of the pavement as it rises. After the pavement is raised, it shall meet a 1/4 inch in 25-foot string line requirement. The Contractor will be required to correct any pavement out of tolerance or raised in excess of the required elevation. Any necessary repairs due to out of tolerance or over height pavement shall be corrected at no additional cost to the State.

Pumping Units. Each production truck shall be equipped with two (2) mounted pumping units capable of injecting the polyurethane material at a controlled rate into the aggregate base, subbase, or foundation soils to the required depth(s). The pumping units shall be equipped with certified flow meters to precisely measure the amount of each component injected, so that the 1:1 ratio by volume is maintained for quality control and a certified volume of injected polymer material obtained for proper payment. The units shall be equipped with pressure and temperature control devices capable of maintaining proper temperature and proportionate mixing of the two chemical components.

907-420.03.4--Curing Time and Opening to Traffic. Traffic shall not use the undersealed pavement within 30 minutes after the injection process has been completed. Any deposits of urethane on the pavement or shoulders shall be removed and the surface cleaned prior to opening to traffic.

907-420.04--Method of Measurement. Undersealing concrete pavement, complete and accepted, will be measured by the pound. The quantity of urethane will be based on the supplier's packaging information for the material delivered and incorporated into the project.

907-420.05--Basis of Payment. Undersealing concrete pavement, as measured above, will be paid for at the contract price per pound, which price shall include all mobilization, labor, equipment, traffic control, materials, and incidentals necessary to complete the required work.

Unless otherwise indicated in the plans, costs for maintenance of traffic and individual traffic control devices as required by the plans for undersealing operations shall be included in the unit price for undersealing and will not be measured for separate payment.

Payment will be made under:

907-420-A: Undersealing Concrete Pavement - per pound

GENERAL INDEX	
INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY.....	1
<input type="checkbox"/> PERMANENT SIGNS.....	1001
<input type="checkbox"/> TRAFFIC SIGNALS.....	2001
<input checked="" type="checkbox"/> ITS COMPONENTS.....	3001
<input type="checkbox"/> LIGHTING.....	4001
<input type="checkbox"/> (RESERVED).....	5001
<input checked="" type="checkbox"/> ROADWAY STD. DWGS.....	6001
<input type="checkbox"/> BOX CULVERT STD. DWGS (LRFD).....	7001
<input type="checkbox"/> BOX CULVERT STD. DWGS (STD. SPEC.).....	7501
<input type="checkbox"/> BRIDGE.....	8001
<input type="checkbox"/> CROSS SECTIONS.....	9001

STATE OF MISSISSIPPI MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY STATE PROJECT NO. SP-0163-00(008)

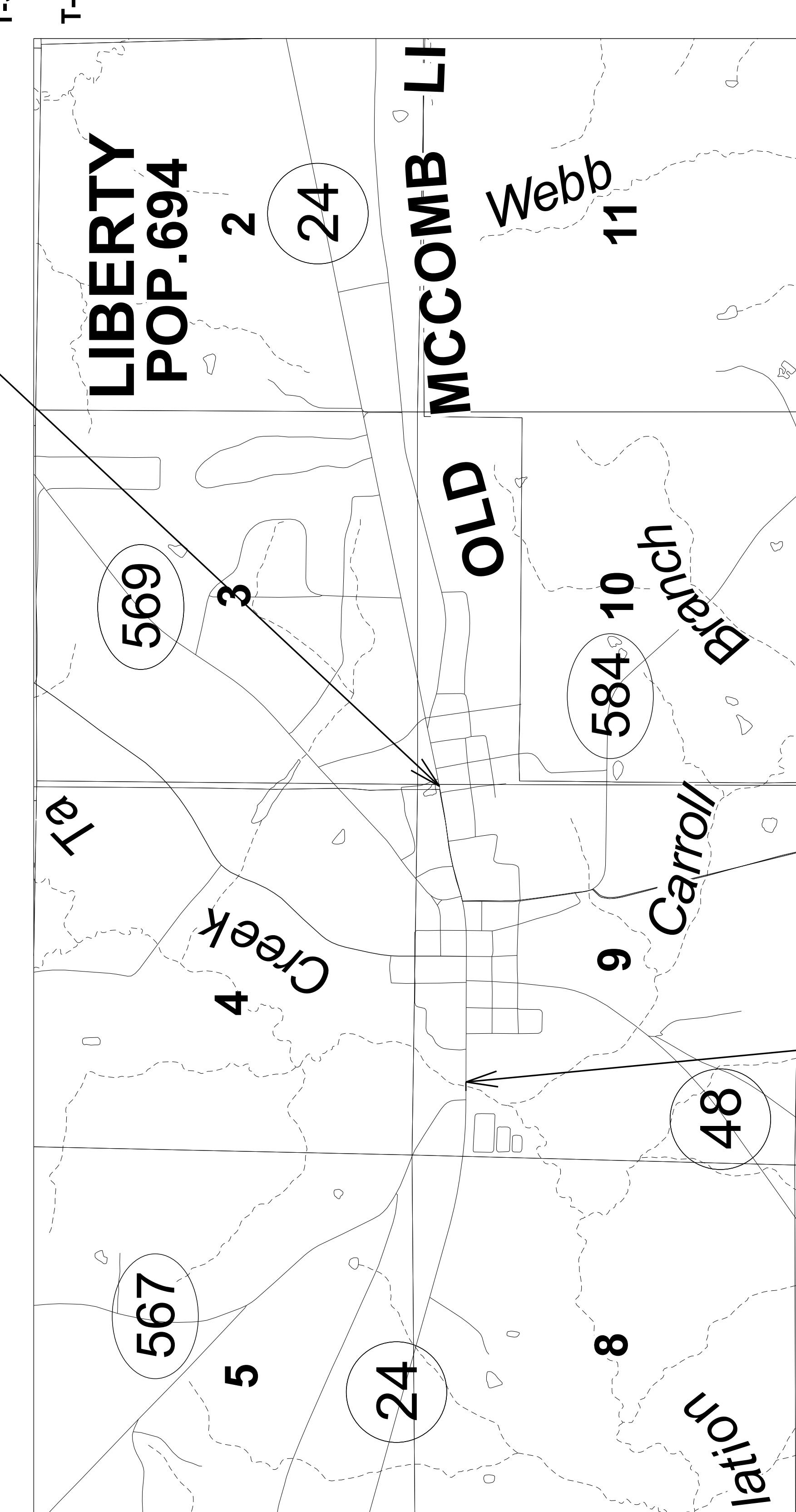
SR 24
WEST CITY LIMITS OF LIBERTY TO JUST WEST OF VELMA ST.
E.O.P STA. 75 + 26

T-3-N

T-2-N

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.



DESIGN CONTROL

(MPH = V (SPEED DESIGN))
ADT () = : ADT () =
DHV = : D = % T = %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS	
NATIONWIDE #14	N
NATIONWIDE (OTHER)*	N
GENERAL*	N
INDIVIDUAL (404)*	N
STORMWATER PERMIT	N
Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA=5 ACRES)	
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	
N NO STORMWATER PERMIT N REQUIRED (<1 ACRE)	
APPROVED BY:	

DESIGNED BY: DISTRICT 7

CONSTRUCTION PROJECT DATA

EXTERNAL PROJECT NUMBER	SP-0163-00(008)
FMS & DETAIL	108896/301000
P S & E DATE:	5/18/2022



DEPARTMENT OF TRANSPORTATION
MISSISSIPPI

B.O.P. STA. 35 + 75

EQUATIONS

SCALES
PLAN PROFILE LAYOUT
1 IN. = 100 FT.
1 IN. = 100 FT.
1 IN. = 10 FT.
1 IN. = 1,215 FT.

EXCEPTIONS

CONVENTIONAL SYMBOLS

COUNTY LINE	_____
TOWN CORP LINE	_____
SECTION LINE	_____
DEED LINE	_____
EXISTING ROADWAY	_____
PROPOSED ROADWAY	_____
RAILROAD	_____
BRIDGES	_____

ADDENDUM

DESCRIPTION OF SHEET

TITLE AND LAYOUT SHEET	
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTION SHEETS (3)	
TYPICAL SECTION MAINLINE	
TYPICAL SECTION INTERSECTION REPAIR	
TYPICAL SECTION EDGE DRAIN INSTALLATION	

QUANTITY SHEETS (3)
SUMMARY OF QUANTITIES
ESTIMATED QUANTITIES FOR ASPHALT, MILLING, GRANULAR MATERIAL
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL, SIGNS

PLAN PROFILE SHEETS (9)	STA. 32+00 - STA. 37+00	STA. 37+00 - STA. 42+40	STA. 42+40 - STA. 48+00	STA. 48+00 - STA. 53+00	STA. 53+00 - STA. 58+40	STA. 58+40 - STA. 64+00	STA. 64+00 - STA. 69+20	STA. 69+20 - STA. 74+40	STA. 74+40 - STA. 80+00
	3	4	5	6	7	8	9	10	11
	10	11	12	13	14	15	16	17	18

SPECIAL DESIGN SHEETS (10)	DETAIL OF CONSTRUCTION SIGNING
	DETAIL FOR CURB AND ISLAND STRIPING
	PAVEMENT MARKING DETAILS
	PAVEMENT MARKING DETAILS
	DETAIL OF STRIPING NON-CHANNELIZED INTERSECTIONS 2-LANE HIGHWAY
	STOP SIGN RUMBLES
	TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)
	TRAFFIC CONTROL DETAILS: DRUM PLACEMENT AND SHOULDER CLOSURE
	UNDERSEALING DETAIL FOR JOINTED CONCRETE PAVEMENT

TRAFFIC SIGNAL SHEETS (4)
LOOP DETECTOR DETAILS

STANDARDS DRAWINGS (6)	PAVEMENT MARKING DETAIL FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS
	SHORT DURATION CLOSING OF TWO-LANE, TWO-WAY HIGHWAYS
	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
	TRAFFIC CONTROL PLAN MOBILE OPERATIONS, MULTILANE ROADS AND TWO-LANE ROADS
	TRAFFIC CONTROL PLAN UNEVEN PAVEMENT DETAILS
	TEMPORARY STRIPPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS

TOTAL NUMBER OF SHEETS (35)

WKG.	NO.	SH.									
1	DI-1	2	DI-1	CN-1	3						
MISSISSIPPI DEPARTMENT OF TRANSPORTATION											
MDOT											
FMS CON: 108896/301000											
DESIGNED BY: DISTRICT 7											
DETAILED BY: SP-0163-00(008)											
CHECKED BY:											
DATE:											
COUNTY: AMITE											
DETAILED INDEX											
PS & E PLANS-DATE: 5/13/2022											
FMS CON. # 108896/301000											
REVISIONS											
DATE SHEET NO. BY											
8-9-2022 2, 4-7, 28 JMD											
WKG. NO. DI-1											
SHEET NO. 2											

DISTRICT 7

PS & E PLANS-DATE: 5/13/2022
FMS CON. # 108896/301000
REVISIONS
DATE SHEET NO. BY
8-9-2022 2, 4-7, 28 JMD



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MDOT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7

1

NO. SD 0162 00(008)

COUNTY: AMITE

1

SHOULDER REPAIR TYPICAL SECTION

SHEET NO. 5

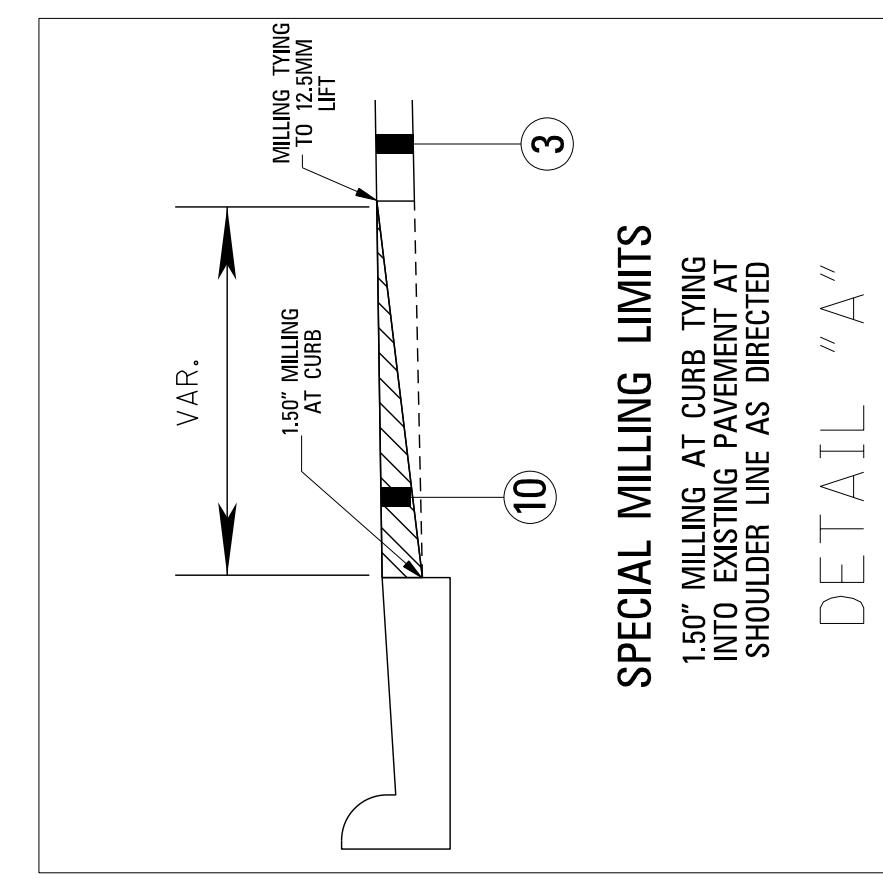
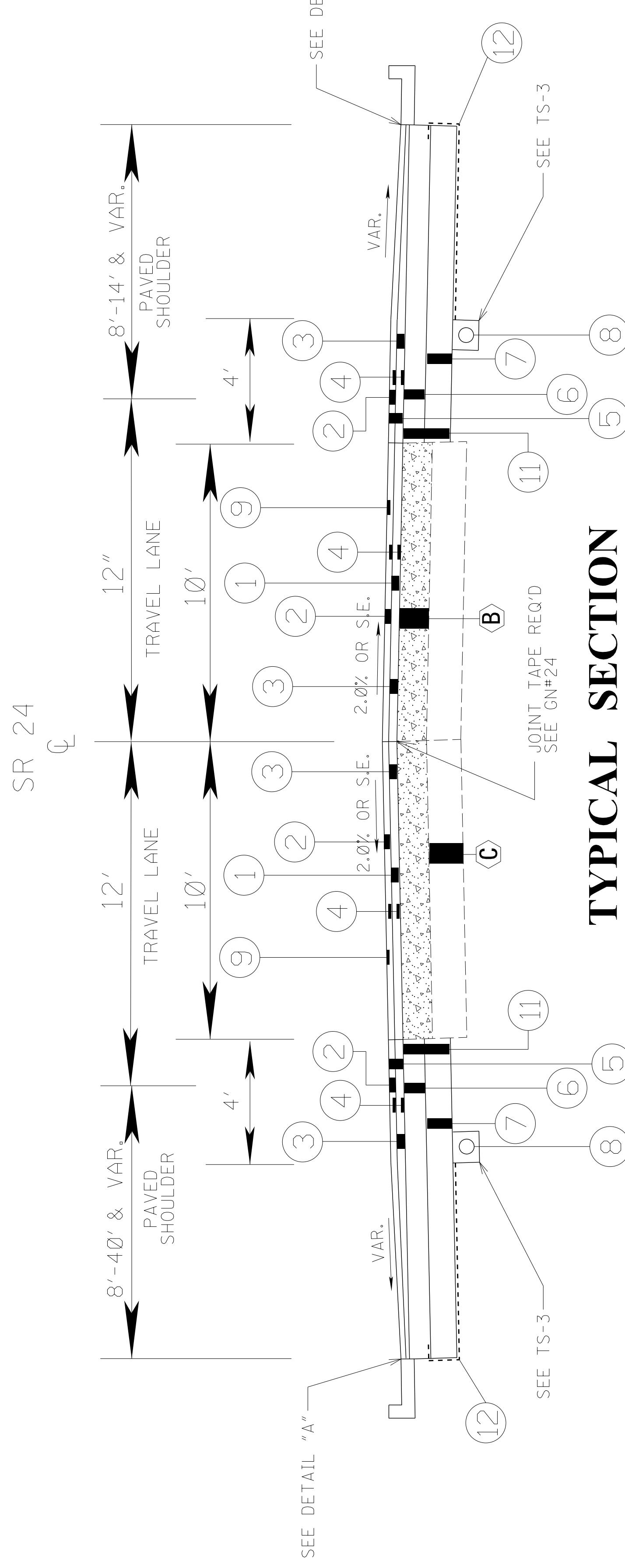
TYPICAL SECTION

	LT	LN	MAINLINE	RT	LN	
STA.	49+00	-	STA.	49+25	STA.	49+00
STA.	50+20	-	STA.	50+40	STA.	50+20
STA.	60+60	-	STA.	61+40	STA.	60+60
STA.	62+00	-	STA.	62+20	STA.	61+30

NOT TO SCALE

EXISTING

- 1 2" & VAR. COLD MILLING REQ'D
 - 2 1.5" OF 9.5MM MT ASPHALT REQ'
 - 3 2" OF 12.5MM MT ASPHALT REQ'
 - 4 TACK COAT REQ'D
 - 5 REMOVAL OF ASPHALT PAVED SH
 - 6 5" (2 LIFTS @ 2.5") 19MM MT AS
 - 7 6" CRUSHED STONE BASE REQ'D
 - 8 EDGE DRAIN REQ'D (SEE TS-3)
 - 9 TRANSVERSE SAWED AND SEALED
 - 10 1.5" & VAR. COLD MILLING REQ'D
 - 11 11" & VAR. EXCESS EXCAVATION
 - 12 TYPE V NON-WOVEN GEOTEXTILE



ADDENDUM



MDOT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

7

DESIGNED BY: DISTRICT 7

FMS CON: 108896/301000

DATE:

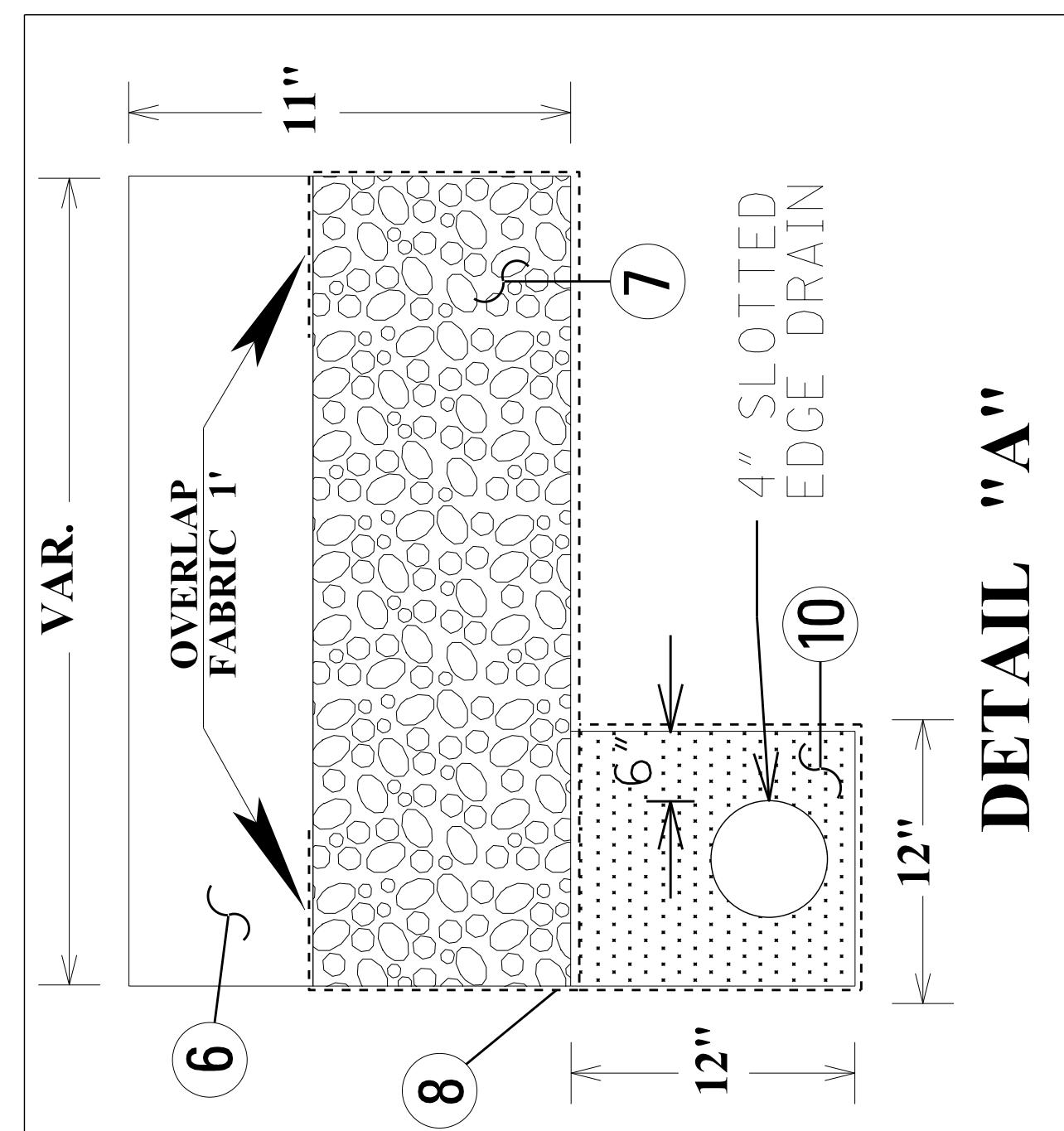
PROJECCT NO.: SP-0163-00(008)

DETAILED BY:

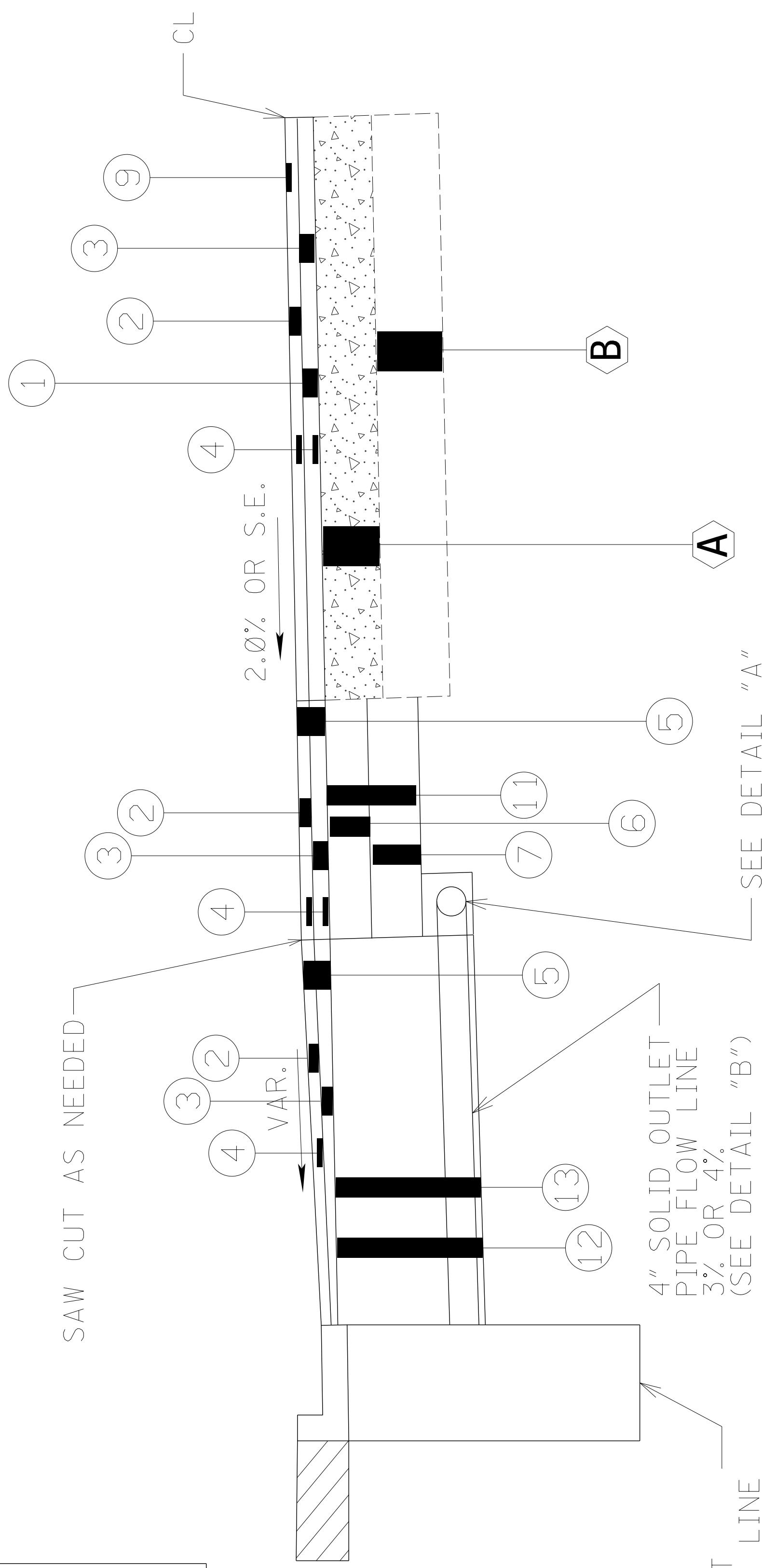
COUNTY: AMITE

TYPIICAL SECTION

EDGE DRAIN INSTALLATION

Wk. No.
TS-3
SHEET NO.
6**ADDENDUM****NOTES**

OUTLET PIPE TO BE INSTALLED IN SIDE OF INLET, ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED SUCH AS, BUT NOT LIMITED TO, CHIPPING AND GROUTING TO BE ABSORBED UNLESS OTHERWISE SPECIFIED.



INLET FLOW LINE
4" SOLID OUTLET PIPE FLOW LINE
3% OR 4%
(SEE DETAIL "B")

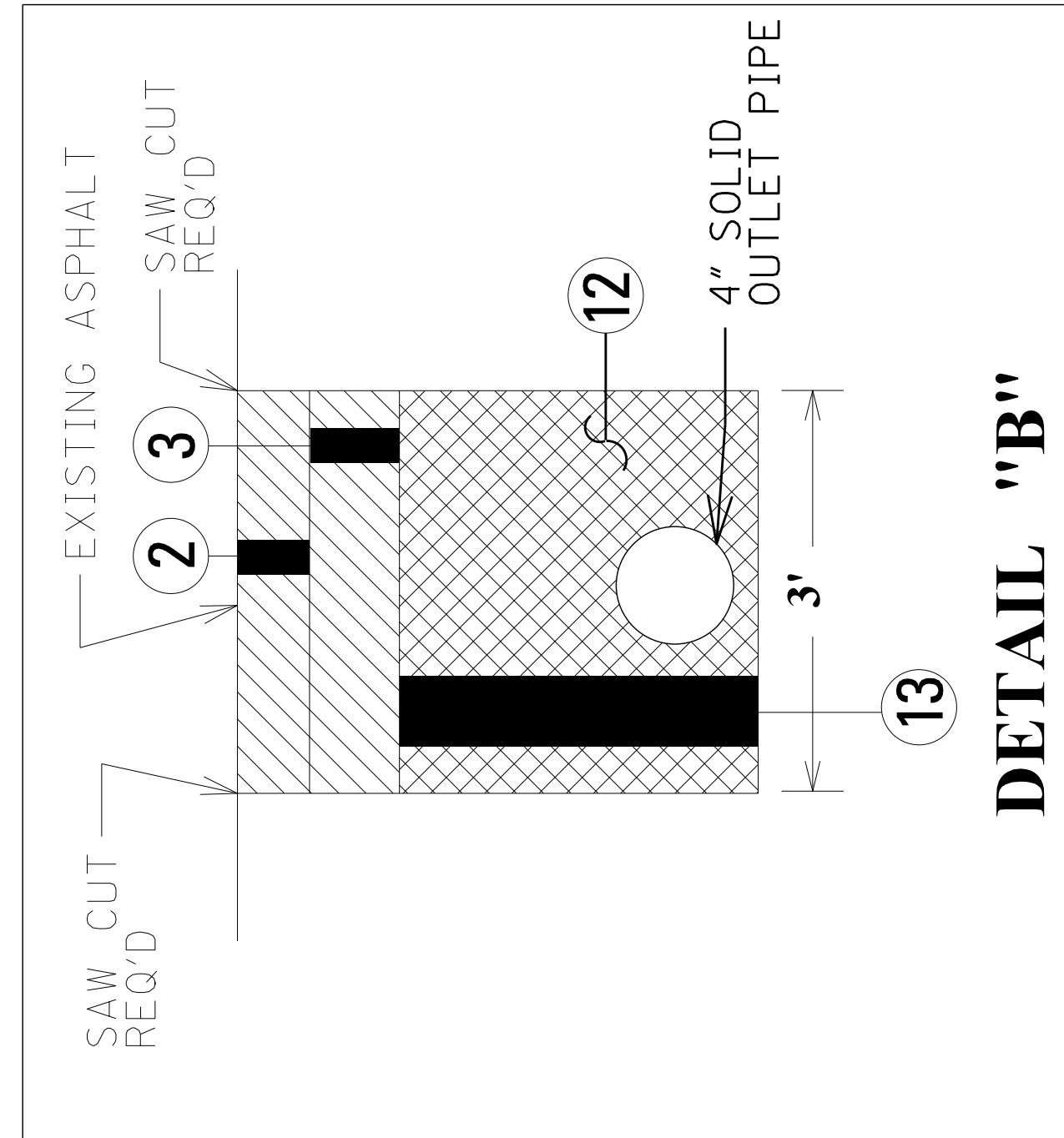
SEE DETAIL "A"

PROPOSED

- ① 2" & VAR. COLD MILLING REQ'D
- ② 1.5" OF 9.5MM MT ASPHALT REQ'D
- ④ TACK COAT REQ'D
- ⑤ REMOVAL OF ASPHALT PAVED SHOULDER, ALL DEPTHS REQ'D
- ⑥ 5" (2 LIFTS @ 2.5") 19MM MT ASPHALT REQ'D
- ⑦ 6" CRUSHED STONE BASE REQ'D
- ⑧ TYPE V NON-WOVEN GEOTEXTILE FABRIC REQ'D
- ⑨ TRANSVERSE SAWED AND SEALED JOINTS REQ'D (SEE TS-1 DETAIL "B")
- ⑩ TYPE "A" FILTER MATERIAL
- ⑪ 11" & VAR. EXCESS EXCAVATION REQ'D
- ⑫ 24" & VAR. CL. B9-6, BORROW EXCAVATION REQ'D
- ⑬ 24" & VAR. EXCESS EXCAVATION REQ'D

EXISTING
EXCAVATION
REQ'D

- Ⓐ 7" JOINTED CONCRETE IN PLACE
- Ⓑ 8" & VAR. SUBGRADE IN PLACE



ADDENDUM**SUMMARY OF QUANTITIES (SHEET 1)**

PAY ITEM NO.	PAY ITEM	AMTITE : 108896-301000	
		UNIT	Prelim
202-B006	Removal of Asphalt Pavement Shoulders, All Depths	SY	3,570
203-EX021	Borrow Excavation, AH, FME, Class B9-6	CY	51
203-G001	Excess Excavation, FM, AH	CY	1,578
209-A005	Geotextile Stabilization, Type V, Non-Woven	SY	350
304-H001	3/4" and Down Crushed Stone Base, LVM	CY	1,098
OR	Size 610 Crushed Stone Base, LVM	CY	1,098
OR	Size 825B Crushed Stone Base, LVM	CY	1,098
304-H003			
403-A002	12.5-mm, MT, Asphalt Pavement	TON	1,385
403-A005	19-mm, MT, Asphalt Pavement	TON	986
403-A014	9.5-mm, MT, Asphalt Pavement	TON	1,571
406-A002	Cold Milling of Bituminous Pavement, All Depths	SY	14,870
407-A001	Asphalt for Tack Coat	GAL	6,404
413-E001	Sawing and Sealing Transverse Joints in Asphalt Pavement	LF	2,250
907-420-A001	Joint Sealing Tape, 12"	LF	2,250
503-C010	Saw Cut, Full Depth	LF	7,644
605-H001	Edge Drain	LF	7,184
605-I001	Edge Drain Outlets/Vents	LF	230
618-A001	Maintenance of Traffic	LS	1
618-B001	Additional Construction Signs	SF	1
619-A1001	Temporary Traffic Stripe, Continuous White	MI	4
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	4
619-A5001	Temporary Traffic Stripe, Detail	LF	5,551
619-A6002	Temporary Traffic Stripe, Legend	LF	1,936
907-619-B001	Temporary Portable Rumble Strips	LF	66
620-A001	Mobilization	LS	1
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	1
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	1
626-G001	Thermoplastic Detail Stripe, Blue-ADA	LF	265
626-G002	Thermoplastic Detail Stripe, White	LF	2,360
626-G003	Thermoplastic Detail Stripe, Yellow	LF	431
907-626-H001	Thermoplastic Legend, Blue-ADA Handicap Symbol	EA	4
626-H005	Thermoplastic Legend, White	LF	2,060
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	90
627-P001	Two-Way Blue Reflective High Performance Raised Markers	EA	6
907-640-A001	Vehicle Loop Assemblies	LF	142

MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES	By	Revision
PROJ NO: SP-0163-00(008) COUNTY: AMITE	Working Number SQ-1	
FILENAME: 108896 SQS Design Team	Date Checked Date Sheet Number 7	





MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MDOT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1

1

NO.: SP-0163-00(008)

1

J O I N T E D C O N C R E T E P A V E M E N T S U B L A S T E R I N G D E T A I L S

WK. NO.

SHEET NO.
28

ADDENDUM

PLAN SHEET

DATE TIME

