

January 6, 2025

ADDENDUM NO. 1

PROJECT

SAP-39(18)M
Sites "A" Thru "G"
Lawrence County, MS

OWNER

Lawrence County Board of Supervisors
517 E Broad Street
Monticello, MS 39654

ENGINEER

Dungan Engineering, P.A.
1574 Highway 98 E.
Columbia, MS 39429

The following revisions and/or additions are to become a part of the Contract Documents of the above referenced project. Acknowledge receipt of this addendum by inserting its number and date on the agreement form and email Rebecca Bell @ rbell@dunganeng.com an acknowledgment of receipt. Contractors are responsible for bringing this addendum to the attention of all their sub-contractors and material suppliers.

Contract Documents:

1. Replace the existing Section 900 with the attached Section 900.
2. Replace the existing Section 902 with the attached Section 902.

Construction Plans:

1. Replace Sheets 2, 2-A, 2-B, 4, and 9 with those attached.

Note: These changes reflect the reduction of quantities for Pay Item No. S-601- B Class "B" Structural Concrete, Minor Structures and Pay Item No. S-602-A Reinforcing Steel due to the removal of Headwalls for Sites "B", "C" and "G". Additionally, the milling requirement for Tie-Ins has been removed from the detail on Sheet No. 2-A.

This Addendum Shall be attached to inside cover of Document Book and become a part of the Contract Documents.

END OF ADDENDUM NO. 1

ACKNOWLEDGED BY:

SIGNATURE

COMPANY



OFFICE OF STATE AID ROAD CONSTRUCTION
AND
COUNTY BOARD OF SUPERVISORS

SECTION 900

NOTICE TO CONTRACTORS:

Sealed bids will be received by the Board of Supervisors of Lawrence County Mississippi at the 517 E. BROAD STREET, MONTICELLO Mississippi, until 10:00 AM on the 21st day of January, 2025 and shortly thereafter publicly opened for the construction of 0.394 miles of MAINTENANCE (OTHER THAN BRIDGE) on the SITE "A" THRU "G" being known as Project No. SAP-39(18)M in Lawrence County Mississippi.

PRINCIPAL ITEMS OF WORK ARE APPROXIMATELY AS FOLLOWS

<u>ROADWAY ITEMS:</u>	QUANTITY	UNIT
MOBILIZATION	1.000	LS
CLEARING AND GRUBBING	1.000	LS
REMOVAL OF HEADWALLS	5.000	UN
REMOVAL OF CONCRETE DRIVEWAY	12.000	SY
REMOVAL OF PIPE (ALL SIZES)	156.000	LF
UNCLASSIFIED EXCAVATION (FM)	624.000	CY
BORROW EXCAVATION (CONTRACTOR FURNISHED, LVM, CLASS 6)	865.000	CY
EXCESS EXCAVATION (LVM)	156.000	CY
STRUCTURE EXCAVATION	531.000	CY
GRANULAR MATERIAL (LVM), (CLASS 4, GROUP C)	30.000	CY
CRUSHED STONE (SIZE 610) (LVM)	144.000	CY
SIZE II STABILIZER AGGREGATE, COARSE	130.000	CY
HOT MIX ASPHALT, ST 9.5mm	34.000	TON
CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	2.650	CY
REINFORCING STEEL	135.000	LB
42" REINFORCED CONCRETE PIPE, CLASS III	48.000	LF
54" REINFORCED CONCRETE PIPE, CLASS III	168.000	LF
42" REINFORCED CONCRETE PIPE, END SECTION	2.000	EA
54" REINFORCED CONCRETE PIPE, END SECTION	2.000	EA
88" X 54" REINFORCED CONCRETE ARCH PIPE, CLASS III	48.000	LF
88" X 54" REINFORCED CONCRETE ARCH PIPE, END SECTION	2.000	EA
GUARDRAIL, W-BEAM	520.000	LF
GUARDRAIL, TERMINAL END SECTION, NON FLARED	8.000	EA
CONCRETE DRIVEWAY	12.000	SY
MAINTENANCE OF TRAFFIC	1.000	LS
ADDITIONAL CONSTRUCTION SIGNS	0.000	SF
4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE) (60 MILS)	0.041	MI
4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW) (90 MILS)	214.000	LF
REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS) (TYPE 3)	8.000	EA
LOOSE RIPRAP, 200 LB.	802.000	TON
GEOTEXTILE UNDER LOOSE RIPRAP, TYPE V, AOS <0.43 (NON-WOVEN)	945.000	SY

EROSION CONTROL ITEMS:

COMMERCIAL FERTILIZER (13-13-13)	0.154	TON
SEEDING	0.154	AC
VEGETATIVE MATERIALS FOR MULCH	0.308	TON
TEMPORARY SILT FENCE (TYPE II) (AOS 0.15-0.84)	622.000	LF
WATTLES, 20"	160.000	LF

PROJECT NO. SAP-39(18)M
Lawrence COUNTY

NOTICE TO CONTRACTORS:

CONTRACT TIME: 90 Working Days

The award, if made, will be made to the lowest qualified bidder on the basis of published quantities.

The Board of Supervisors hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement; minority business enterprise 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, or national origin in consideration for an award.

PLANS AND SPECIFICATIONS are on file in the Office of the Chancery Clerk of Lawrence County, JEFF J. DUNGAN , the LSBP Engineer's office and the Office of the State Aid Engineer, 412 E. Woodrow Wilson Avenue, Jackson, Mississippi. This project shall be constructed in accordance with the latest edition of the Mississippi Standard Specifications for State Aid Road and Bridge Construction.

The plan can be purchased at this location, 1574 HWY 98 E., COLUMBIA, MS, at a cost of \$50.00 for the PLANS and a cost of \$50.00 for the CONTRACT DOCUMENTS. The population of this county is less than 20,000.

Bidders who wish to submit bids electronically in lieu of a sealed bid may submit their bid through <http://www.dunganeng.com/> . All documents required for bidding purposes may be obtained from Dungan Engineering, P. A., 1574 Highway 98 East, Columbia, Mississippi 39429, (601) 731-2600, <http://www.dunganeng.com/> . Documents are nonrefundable and must be purchased through the website to be on the official plan holders list. For questions regarding website accessibility or obtaining bid documents, please contact Plan House at 662-407-0193.

Certified check or bid bond for five percent (5%) of the total bid, made payable to Lawrence County and the State of Mississippi must accompany each proposal.

Bidders are hereby notified that any proposal accompanied by letters qualifying in any manner the condition under which the proposal is tendered will be considered an irregular bid and such proposal will not be considered in making the award.

Delaine Ervin, President
Lawrence County Board of Supervisors

For the construction of: MAINTENANCE (OTHER THAN BRIDGE) on 0.394 mile(s) of county road(s) known as SITE "A" THRU "G" in Lawrence County, Mississippi under State Aid Program (SAP) SAP-39(18)M
I (We) agree to complete the entire project within 90 Working Days.



SPECIAL NOTICE TO BIDDERS
BIDS WILL NOT BE CONSIDERED UNLESS BOTH UNIT PRICES AND ITEM TOTALS ARE ENTERED

Ref. No.	Pay Item No.	Description	Approx. Quantity	Unit	Unit Price	Item Total
Roadway Items						
1	S-200-A	MOBILIZATION	1.000	LS		
2	S-201-A	CLEARING AND GRUBBING	1.000	LS		
3	S-202-B	REMOVAL OF HEADWALLS	5.000	UN		
4	S-202-D	REMOVAL OF CONCRETE DRIVEWAY	12.000	SY		
5	S-202-E	REMOVAL OF PIPE (ALL SIZES)	156.000	LF		
6	S-203-A	UNCLASSIFIED EXCAVATION (FM)	624.000	CY		
7	S-203-E	BORROW EXCAVATION (CONTRACTOR FURNISHED, LVM, CLASS 6)	865.000	CY		
8	S-203-H	EXCESS EXCAVATION (LVM)	156.000	CY		
9	S-206-A	STRUCTURE EXCAVATION	531.000	CY		
10	S-304-A	GRANULAR MATERIAL (LVM), (CLASS 4, GROUP C)	30.000	CY		
11	S-304-C	CRUSHED STONE (SIZE 610) (LVM)	144.000	CY		


12	S-310-A-1	SIZE II STABILIZER AGGREGATE, COARSE	130.000	CY		
13	S-403-A	HOT MIX ASPHALT, ST 9.5mm	34.000	TON		
14	S-601-B	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	2.650	CY		
15	S-602-A	REINFORCING STEEL	135.000	LB		
16	S-603-C-A	42" REINFORCED CONCRETE PIPE, CLASS III	48.000	LF		
17	S-603-C-A	54" REINFORCED CONCRETE PIPE, CLASS III	168.000	LF		
18	S-603-C-B	42" REINFORCED CONCRETE PIPE, END SECTION	2.000	EA		
19	S-603-C-B	54" REINFORCED CONCRETE PIPE, END SECTION	2.000	EA		
20	S-603-C-D	88" X 54" REINFORCED CONCRETE ARCH PIPE, CLASS III	48.000	LF		
21	S-603-C-E	88" X 54" REINFORCED CONCRETE ARCH PIPE, END SECTION	2.000	EA		
22	S-606-B	GUARDRAIL, W-BEAM	520.000	LF		
23	S-606-E	GUARDRAIL, TERMINAL END SECTION, NON FLARED	8.000	EA		
24	S-608-B	CONCRETE DRIVEWAY	12.000	SY		
25	S-618-A	MAINTENANCE OF TRAFFIC	1.000	LS		
26	S-618-B	ADDITIONAL CONSTRUCTION SIGNS	0.000	SF		
27	S-621-C	4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE) (60 MILS)	0.041	MI		
28	S-621-E-1	4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW) (90 MILS)	214.000	LF		
29	S-630-C	REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS) (TYPE 3)	8.000	EA		

30	S-815-A	LOOSE RIPRAP, 200 LB.	802.000	TON		
31	S-815-E	GEOTEXTILE UNDER LOOSE RIPRAP, TYPE V, AOS <0.43 (NON-WOVEN)	945.000	SY		
Subtotal Participating Roadway Items						

Erosion Control Items

32	S-212-B	COMMERCIAL FERTILIZER (13-13-13)	0.154	TON		
33	S-214-A	SEEDING	0.154	AC		
34	S-215-A	VEGETATIVE MATERIALS FOR MULCH	0.308	TON		
35	S-233-A	TEMPORARY SILT FENCE (TYPE II) (AOS 0.15-0.84)	622.000	LF		
36	237-A	WATTLES, 20"	160.000	LF		
Subtotal Participating Erosion Control Items						

TOTAL BID AMOUNT

Prepared By  1-06-25
LSBP Engineer Date

Summary of Quantities											
Pay Item No.	Pay Item	Site "A"	Site "B"	Site "C"	Site "D"	Site "E"	Site "F"	Site "G"	Plan	Final	Unit
Roadway Items											
S-200-A	Mobilization	*	*	*	*	*	*	*	1		Lump Sum
S-201-A	Clearing and Grubbing	*	*	*	*	*	*	*	1		Lump Sum
S-202-B	Removal of Headwalls	0	2	2	0	0	0	1	5		Unit
S-202-D	Removal of Concrete Driveway	0	0	0	0	0	0	12	12		Sq. Yd.
S-202-E	Removal of Pipe (All Sizes)	0	96	40	0	0	0	20	156		Lin. Ft.
S-203-A	Unclassified Excavation (FM)	50	195	111	38	0	0	230	624		Cu. Yd.
S-203-E	Borrow Excavation (Contractor Furnished LVM, Class 6)	150	100	100	25	50	50	390	865		Cu. Yd.
S-203-H	Excess Excavation (LVM)	156	0	0	0	0	0	0	156		Cu. Yd.
S-206-A	Structure Excavation	0	205	80	0	0	0	246	531		Cu. Yd.
S-304-A	Granular Material (LVM), (Class 4, Group B)	0	15	15	0	0	0	0	30		Cu. Yd.
S-304-C	Crushed Stone (Size 610) (LVM)	64	40	40	0	0	0	0	144		Cu. Yd.
S-310-A-1	Size II, Stabilizer Aggregate, Course	0	30	20	0	0	0	80	130		Cu. Yd.
S-403-A	Hot Mix Asphalt, ST 9.5 mm	10	12	12	0	0	0	0	34		Ton
S-601-B	Class "B" Structural Concrete, Minor Structures	0	0	0	0	0	0	2,650	2,650		Cu.Yd.
S-602-A	Reinforcing Steel	0	0	0	0	0	0	135	135		Lb.
S-603-C-A	42" Reinforced Concrete Pipe, Class III	0	0	48	0	0	0	0	48		Lin. Ft.
S-603-C-A	54" Reinforced Concrete Pipe, Class III	0	0	0	0	0	0	168	168		Lin. Ft.
S-603-C-B	42" Reinforced Concrete Pipe, End Section	0	0	2	0	0	0	0	2		Unit
S-603-C-B	54" Reinforced Concrete Pipe, End Section	0	0	0	0	0	0	2	2		Unit
S-603-C-D	88" x 54" Reinforced Concrete Arch Pipe, Class III	0	48	0	0	0	0	0	48		Lin. Ft.
S-603-C-E	88" x 54" Reinforced Concrete Arch Pipe, End Section	0	2	0	0	0	0	0	2		Unit
S-606-B	Guardrail, W-Beam	0	0	0	0	260	260	0	520		Lin. Ft.
S-606-E	Guardrail, Terminal End Section, Non Flared	0	0	0	0	4	4	0	8		Unit
S-608-B	Concrete Driveway	0	0	0	0	0	0	12	12		Sq. Yd.
S-618-A	Maintenance of Traffic	*	*	*	*	*	*	*	1		Lump Sum
S-618-B	Additional Construction Signs	0	0	0	0	0	0	0	0		Sq. Ft.
S-621-C	4" Wide Thermoplastic Edge Stripe (Continuous White) (60 mils)	0	0.020	0.020	0	0	0	0	0.041		Mile
S-621-E-1	4" Wide Thermoplastic Traffic Stripe (Continuous Yellow) (90 mils)	0	108	106	0	0	0	0	214		Lin. Ft.
① S-630-C	ReflectORIZED Traffic Object Marker(Encapsulated Lens) (Type 3)	0	4	4	0	0	0	0	8		Unit
S-815-A	Loose Riprap, 200 Lb.	662	25	25	30	0	0	60	802		Ton
S-815-E	Geotextile Under Riprap, Type V AOS <0.43 (Non-Woven)	705	40	40	85	0	0	75	945		Sq. Yd.
Erosion Control Items											
S-212-B	Commercial Fertilizer (13-13-13)	0	0	0	0	0	0	0.154	0.154		Ton
S-214-A	Seeding	0	0	0	0	0	0	0.154	0.154		Acre
S-215-A	Vegetative Materials For Mulch	0	0	0	0	0	0	0.308	0.308		Ton
S-233-A	Temporary Silt Fence (Type II) (A.O.S. 0.15-0.84)	540	0	0	82	0	0	0	622		Lin.Ft.
② 237-A	Wattles, 20"	40	40	40	0	0	0	40	160		Lin.Ft.

* Value Absorbed Under Lump Sum.

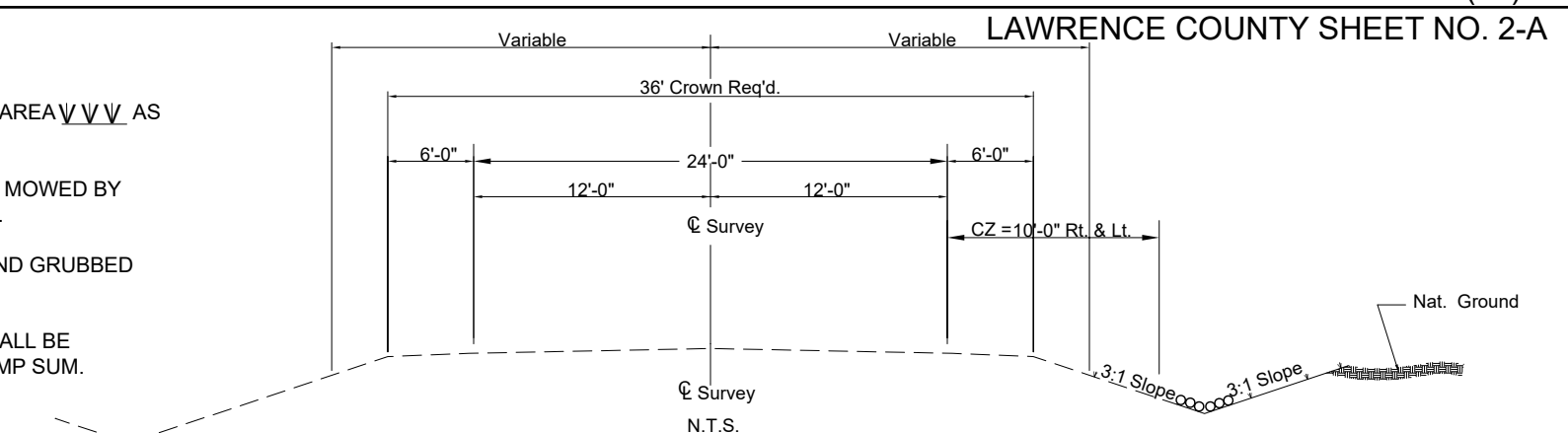
① Vandal Resistant Hardware Required.

② Per MS Standard Specifications for Road and Bridge Construction MDOT 2017 Edition.

Sheet Index	
Sheet No.	Title
1	Title Sheet
1-A	Layout Sheet
2	Quantity and Index Sheet
2-A	Typical Section and Detail Sheet
2-B	Schedule Sheet
2-C	Traffic Control Plan
2-D	
SA-PSM-1	Pavement Striping and Marking
SA-TSP-1	Traffic Sign Placement
6051	Pavement Marking Details for 2-Lane and 4-Lane Divided Roadways
6101	Typical Temporary Erosion/Sediment Control Applications
6103	Details of Silt Fence Installation
6106	Details of Erosion Control Wattle Ditch Check
6123	Details of Typical Ditch Treatments
6201	Guard Rail: "W" Beam (Wood Posts)
6203	Guard Rail: "W" Beam (Steel Posts)
6217	Guard Rail: Typical Installation for Roadside Hazards on 2-Lane, 2-Way Highways
6221	Guard Rail: Miscellaneous Hardware
6314	Typical Installation and Details of Delineators and Distance Reference Signs
6351	Traffic Control Plan With Flagger (One-Lane Closure of Two-Way Traffic)
6358	Highway Sign and Barricade Details for Construction Projects
6403	Rural Driveways
6501	Pipe Culvert Installation
6525	Storm Sewer Inlet Type SS-3
6530	Flared End Section for Concrete Pipe
6531	Flared End Section for Concrete Arch Pipe
6571	Headwalls for Concrete Pipe 2:1 Slope - 0°-15° Skew
6580	Headwalls for Concrete Arch Pipe, 2:1 Slope, 0°-15° Skew
I	Site "A" Bridge Layout Sheet
II	Site "A" Riprap Sheet
3	Plan/Profile Sheet - Site "A"
4	Plan/Profile Sheet - Site "B"
5	Plan/Profile Sheet - Site "C"
6	Plan/Profile Sheet - Site "D"
7	Plan/Profile Sheet - Site "E"
8	Plan/Profile Sheet - Site "F"
9	Plan/Profile Sheet - Site "G"

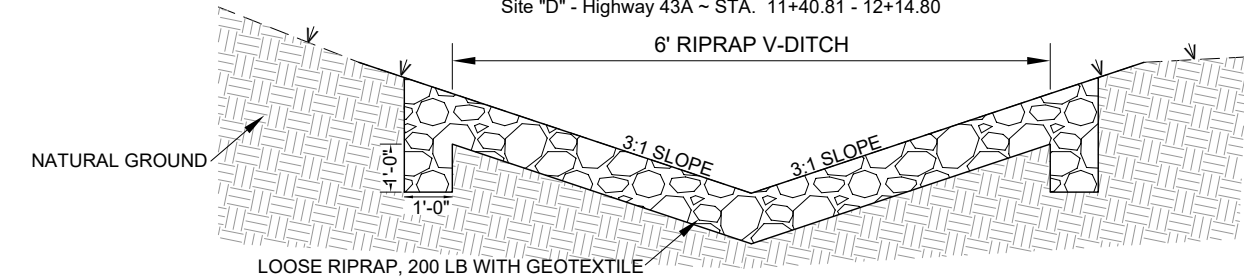
RATES OF APPLICATION USED FOR ESTIMATING QUANTITIES	
ITEM	RATE
Commercial Fertilizer (13-13-13)	1.0 Tons / Acre
Hot Mix Asphalt	(110 Lbs. / Sq. Yd.) / Inch
Vegetative Materials For Mulch	3.0 Tons / Acre
*** Granular Material (LVM), (Class 6, Group C)	113 CU. YDS. / STATION
*** RATE OF APPLICATION FOR 6" TEMPORARY GRANULAR SURFACE.	
Note: Seeding and Mixture Grassing Requirements To Be As Per Section S-214 Of The Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.	

GENERAL NOTES
 EROSION CONTROL MEASURES TO BE APPLIED ON INDICATED AREA $\nabla \nabla \nabla$ AS PER SEASONAL LIMITATIONS.
 BEFORE FINAL ACCEPTANCE, ENTIRE RIGHT OF WAY SHALL BE MOWED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
 PAY ITEM NO. S-201-A INCLUDES ALL AREAS TO BE CLEARED AND GRUBBED WITHIN THE RIGHT OF WAY
 CLEARING AND GRUBBING OF CONSTRUCTION EASEMENTS SHALL BE CONSIDERED AS NORMAL RIGHT OF WAY AND PAID FOR BY LUMP SUM.



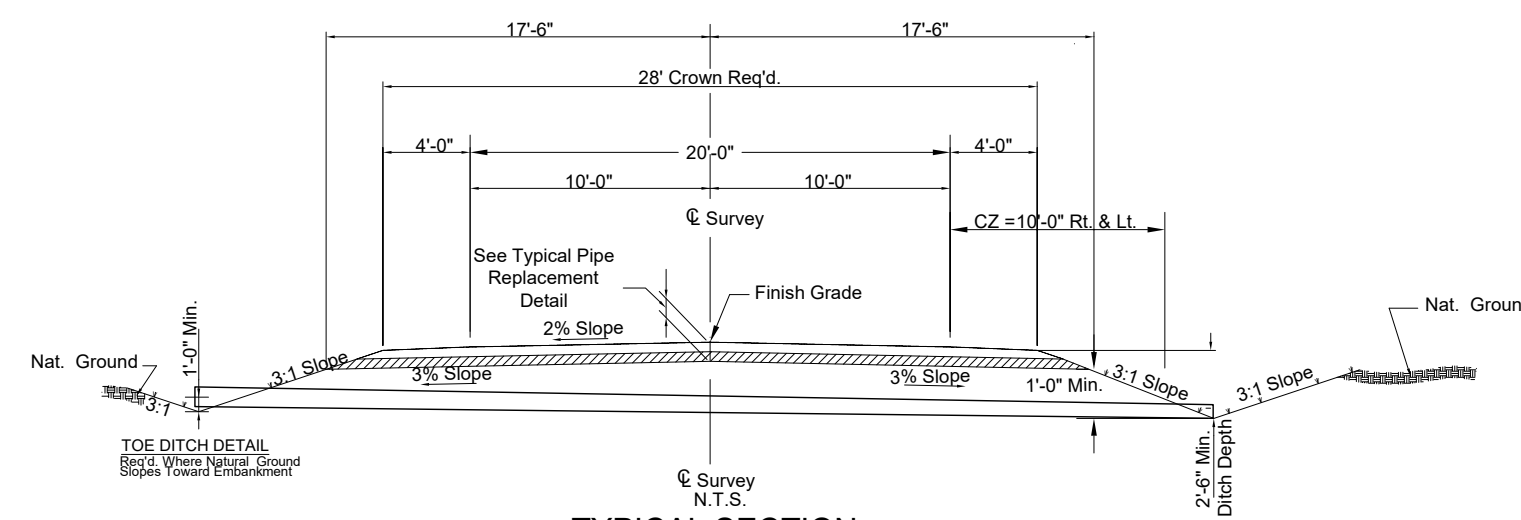
TYPICAL SECTION

Site "D" - Highway 43A ~ STA. 11+40.81 - 12+14.80



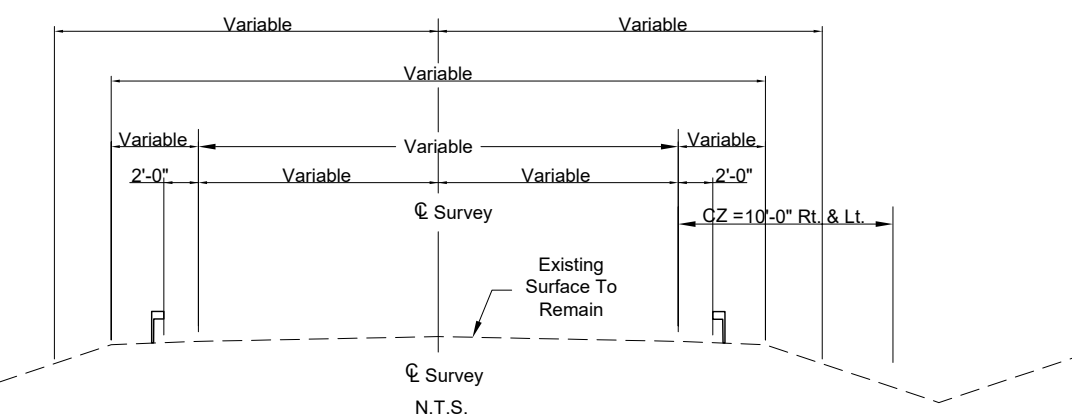
TYPICAL RIPRAP V-DITCH

STATION 11+40.81 TO STATION 12+14.80
 (RIGHT SIDE ONLY)
 NOT TO SCALE



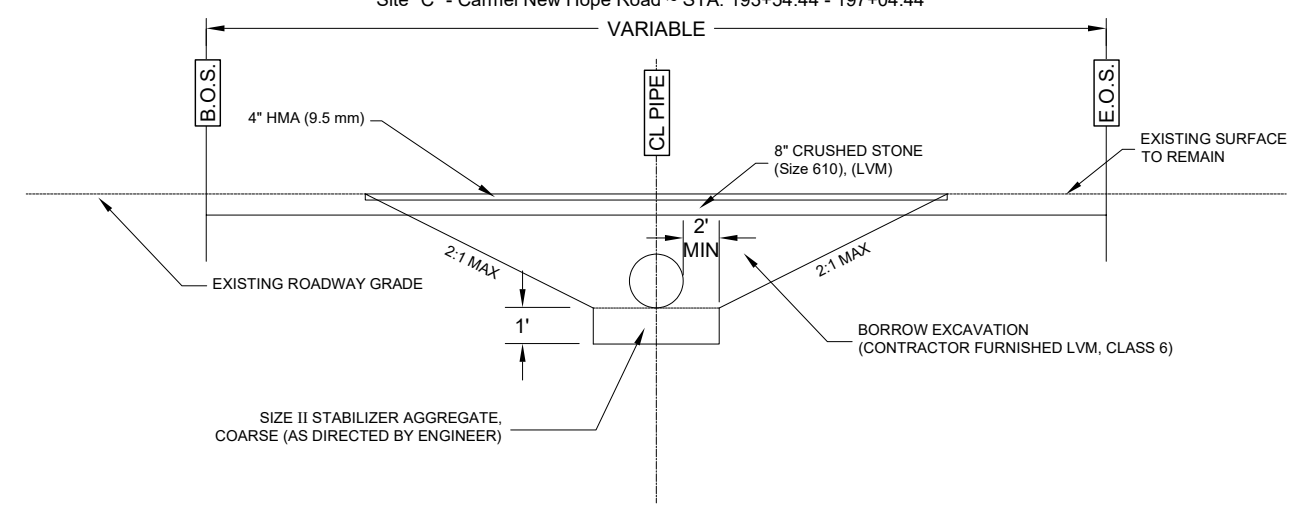
TYPICAL SECTION

Site "B" - Carmel New Hope Road ~ STA. 185+97.73 - 189+47.73
 Site "C" - Carmel New Hope Road ~ STA. 193+54.44 - 197+04.44



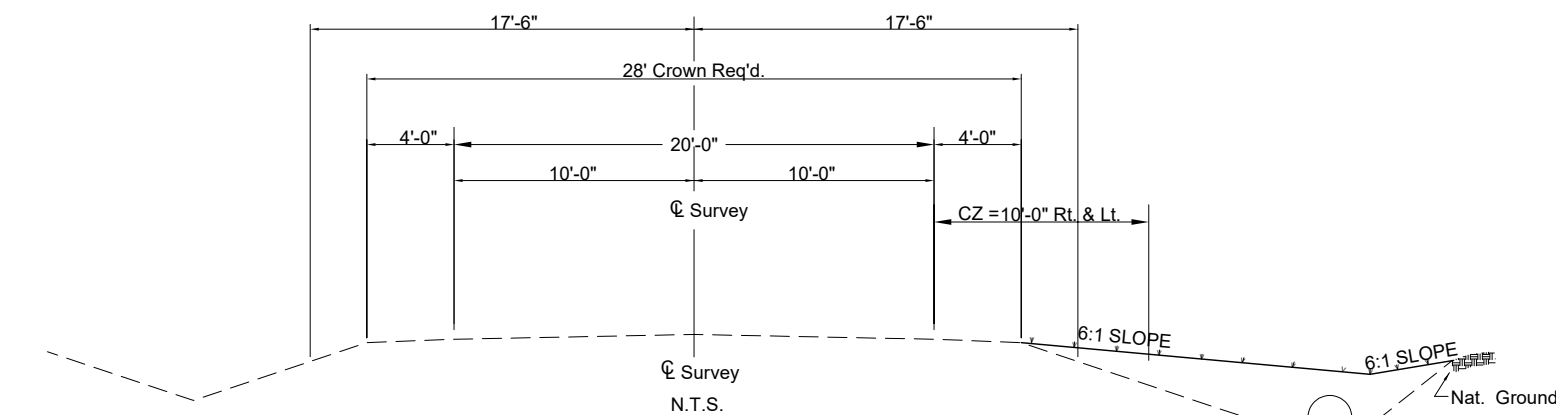
TYPICAL GUARDRAIL SECTION

Site "E" - Nola Road ~ STA. 8+49.80 - 11+49.80
 Site "F" - Crooked Creek Road ~ STA. 769+00.45 - 771+30.45



TYPICAL PIPE REPLACEMENT DETAIL

SITE "B": STA 188+00.00
 SITE "C": STA 195+68.00



TYPICAL SIDE DRAIN SECTION

Site "G" - Crooked Creek Road ~ STA. 798+13.14 - 799+81.14

Summary of Hydraulic Design

SHEET NUMBER	STATION	D.A. SQ. MILE	CULVERT SIZE	CULVERT LENGTH (Each)	UPSTREAM FLOWLINE ELEVATION	Design Storm (25) - Year Storm			Design Storm (100) - Year Storm			Storm of Record			Remarks
						Discharge C.F.S.	* Headwater Control In/Out		Discharge C.F.S.	* Headwater Control In/Out		Date Occurred	Discharge C.F.S.	High Water Elevation	
							HW/D	HW (Depth)		HW (Elevation)	HW/D				
4	188+00.00	0.1	88"x54"	48'	267.07	177	0.9800	4.4100	271.48	224	1.1511	5.1800	272.25	Not Available	FES Required
5	195+68.00	0.006	36"	56'	272.81	29	0.3225	2.5800	275.39	35	0.3688	2.9500	275.76	Not Available	FES Required
9	798+19.52	0.036	54"	168'	408.55	91	0.5275	4.2200	412.77	114	0.6238	4.9900	413.54	Not Available	FES Required w/SS-3 Inlet

Pipe Schedule

Sheet Number	Staion	Reinforced Concrete Pipe, Class III		Reinforced Concrete Arch Pipe, Class III		Structure Excavation Required (Cu. Yd.)	Riprap Required (200LB) (Ton)	Class "B" Concrete For SS-3 Inlet (Cu. Yd.)	Reinforcing Steel For SS-3 Inlet (Lb.)	Remarks
		Diameter	Length	Diameter	Length					
		(In.)	(Lin. Ft.)	(In.)	(Lin. Ft.)					
4	188+00.00			88"x54"	48'	205	25			
5	195+68.00	42"	48'			80	25			
9	798+19.52	54"	168'			246	60	2.650	135	SS-3 Inlet Req'd
Totals			216.000		48.000	531.000	110.000	2.650	135.000	

UTILITY OWNERS

AT&T
958 BROOKWAY BLVD
BROOKHAVEN, MS 39601
(601) 823-0801

LAWRENCE COUNTY WATER ASSOCIATION
3083 MS-27
MONTICELLO, MS 39654
(601) 587-4530

PEARL RIVER VALLEY EPA
1422 MS-13
COLUMBIA, MS 39429
(601) 736-2666

GENERAL NOTES

EXISTING UTILITIES TO BE ADJUSTED BY OTHERS IN ACCORDANCE WITH SECTION II -2-8 OF THE S.O.P.

ALL ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE NAVD 88 DATUM AND WERE DERIVED FROM A GLOBAL POSITIONING SYSTEM OBSERVATION.

ALL BEARINGS SHOWN ON THIS PLAN ARE GRID. THEY ARE BASED ON THE NAD 83 WEST ZONE STATE PLANE COORDINATE SYSTEM AND ARE DERIVED FROM A GLOBAL POSITIONING SYSTEM OBSERVATION.

DRAINAGE AREAS TAKEN FROM USGS STREAM STATS WEBSITE
TOTAL DISTURBED AREA = .52 ACRES

HYDRAULIC DESIGN

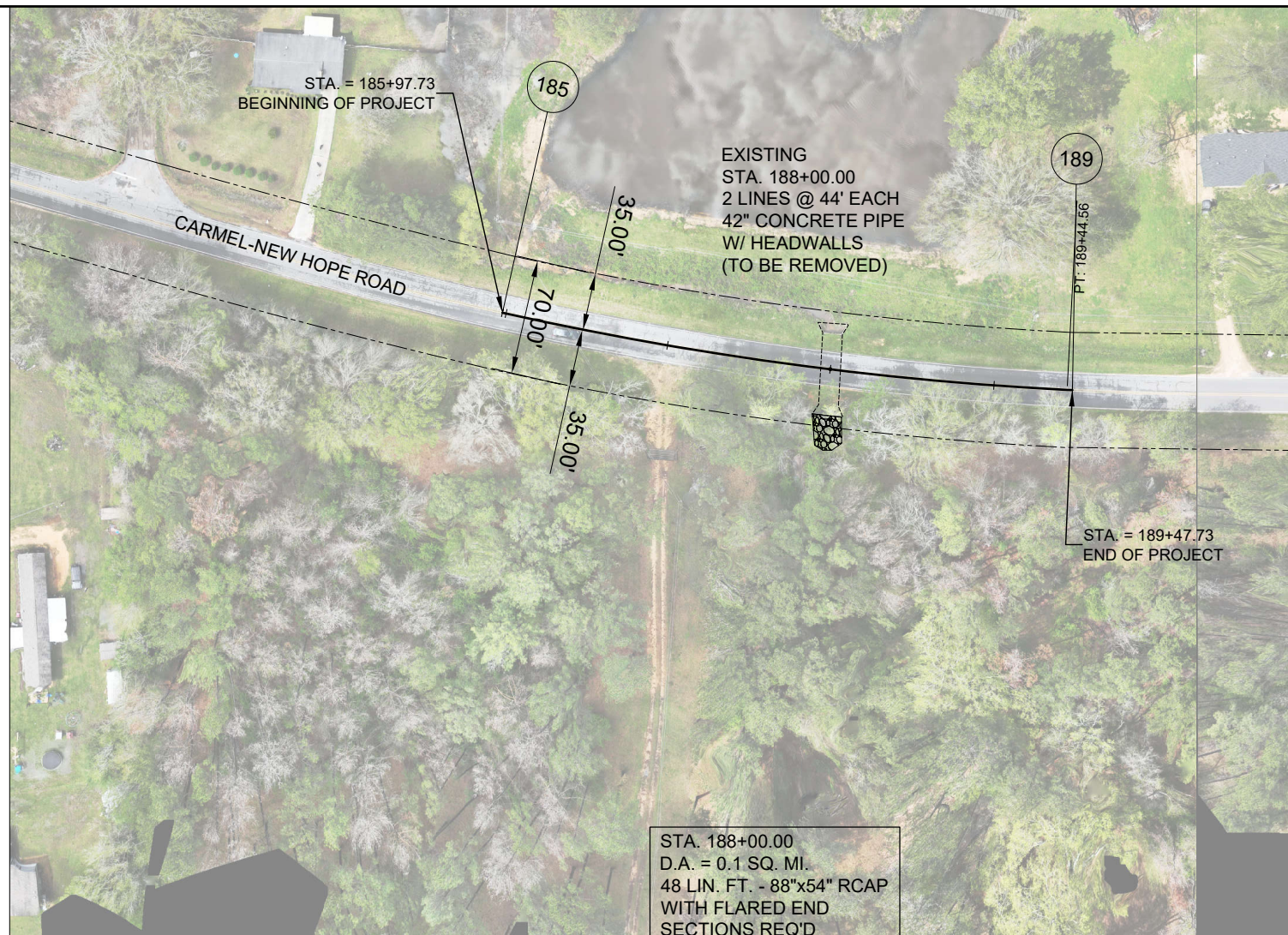
< 25 Acres - Rational Method
≥ 25 Acres - "Flood Frequency Of Rural Streams in Mississippi, 2013"

DESIGN DATA

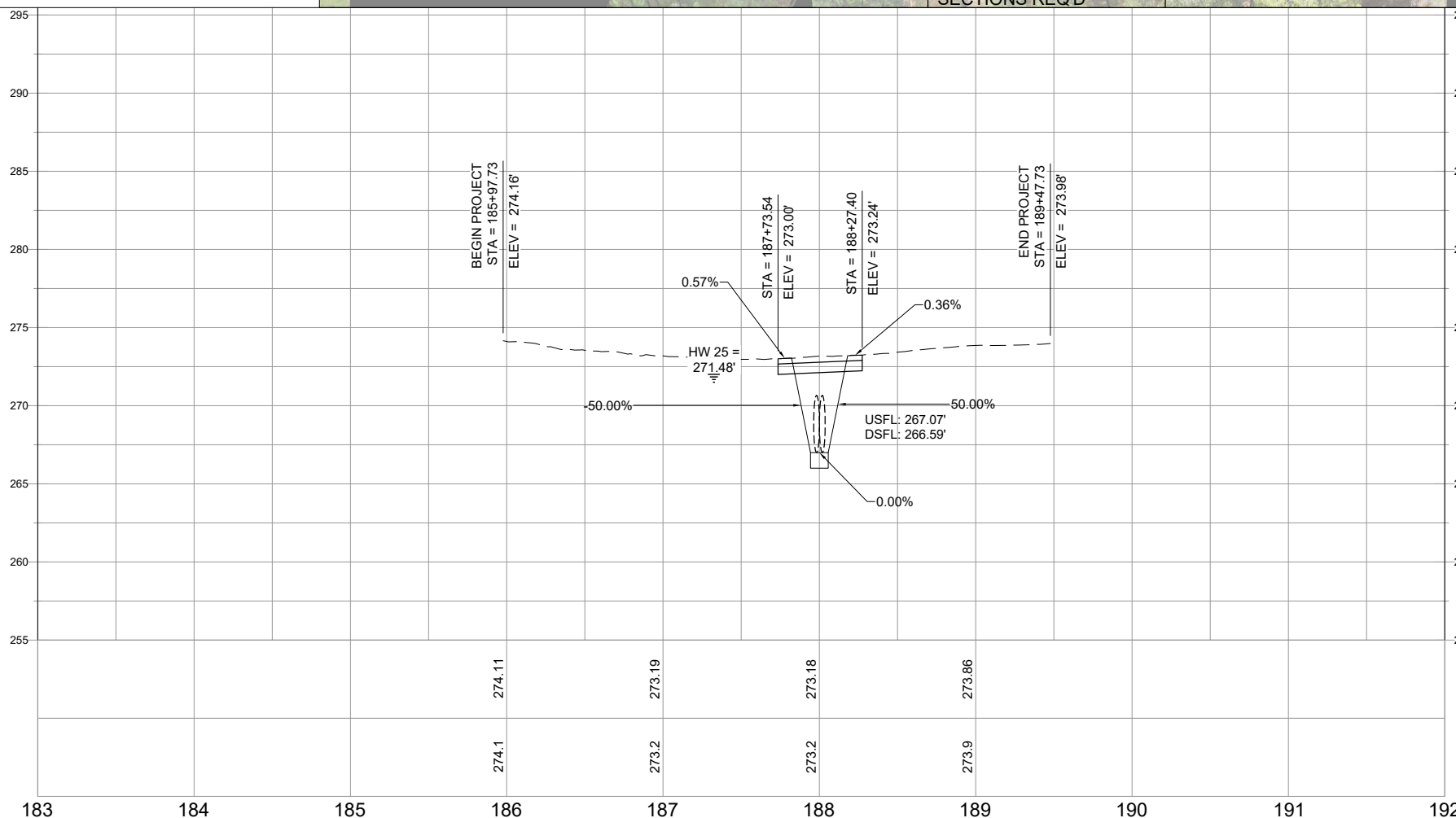
DESIGN SPEED - 30 MPH
CURRENT ADT (EST) = *** VPD

SHRINKAGE FACTORS

GRANULAR MATERIAL = 1.50
UNCLASSIFIED EXCAVATION = 1.35

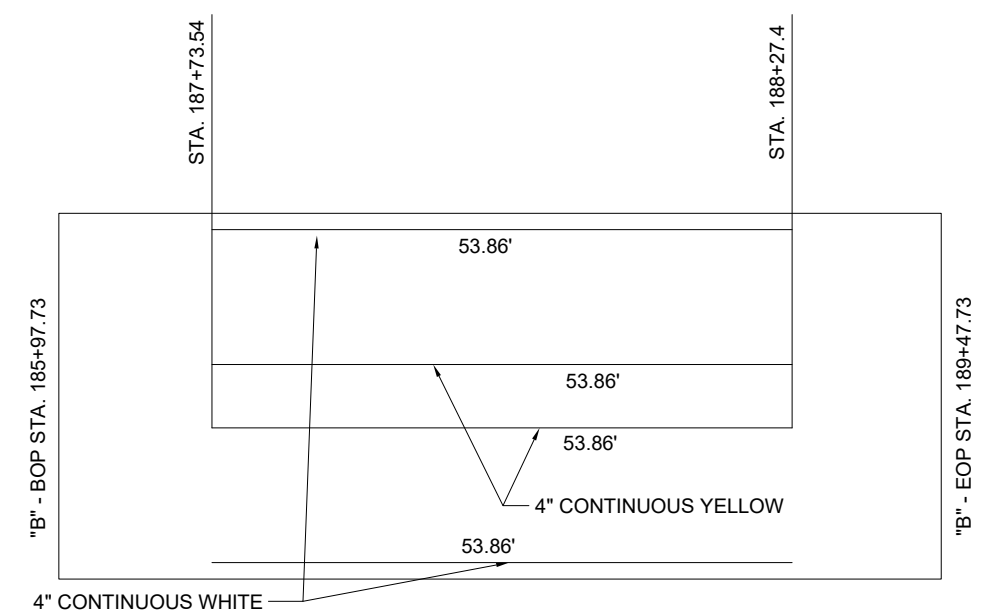


SITE "B" QUANTITIES		
ITEMS	TOTAL	UNIT
REMOVAL OF HEADWALLS	2	EACH
REMOVAL OF PIPE (ALL SIZES)	96	LIN. FT.
UNCLASSIFIED EXCAVATION (FM)	195	CU. YDS.
BORROW EXCAVATION (CONTRACTOR FURNISHED, LVM, CLASS 6)	100	CU. YDS.
STRUCTURE EXCAVATION (FM)	205	CU. YDS.
GRANULAR MATERIAL (LVM) (CLASS 4, GROUP B)	15	CU. YDS.
CRUSHED STONE (SIZE 610) (LVM)	40	CU. YDS.
SIZE II, STABILIZER AGGREGATE, COURSE	30	CU. YDS.
HOT MIX ASPHALT, ST 9.5mm	12	TONS
LOOSE RIP RAP, 200 LBS	25	TONS
GEOTEXTILE UNDER RIPRAP, TYPE V, AOS <0.43, NONWOVEN	40	SQ. YD.



SITE "B" - CARMEL-NEW HOPE ROAD

4" Wide Thermoplastic Edge Stripe (Continuous White) (60 mils)	-	0.020	MI.
4" Wide Thermoplastic Traffic Stripe (Continuous Yellow) (90 mils)	-	107.720	L.F.



UTILITY OWNERS

AT&T
958 BROOKWAY BLVD
BROOKHAVEN, MS 39601
(601) 823-0801

TOWN OF NEW HEBRON
506 MAIN AVE.
NEW HEBRON, MS 39140
(601) 694-2115

SOUTHERN PINE EPA
2504 FERGUSON MILL ROAD
NEW HEBRON, MS 39140
(601) 694-2711

GENERAL NOTES

EXISTING UTILITIES TO BE ADJUSTED BY OTHERS IN ACCORDANCE WITH SECTION II -2-8 OF THE S.O.P.

ALL ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON THE NAVD 88 DATUM AND WERE DERIVED FROM A GLOBAL POSITIONING SYSTEM OBSERVATION.

ALL BEARINGS SHOWN ON THIS PLAN ARE GRID. THEY ARE BASED ON THE NAD 83 WEST ZONE STATE PLANE COORDINATE SYSTEM AND ARE DERIVED FROM A GLOBAL POSITIONING SYSTEM OBSERVATION.

DRAINAGE AREAS TAKEN FROM USGS STREAM STATS WEBSITE
TOTAL DISTURBED AREA = .08 ACRES

HYDRAULIC DESIGN

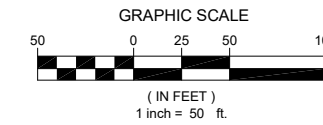
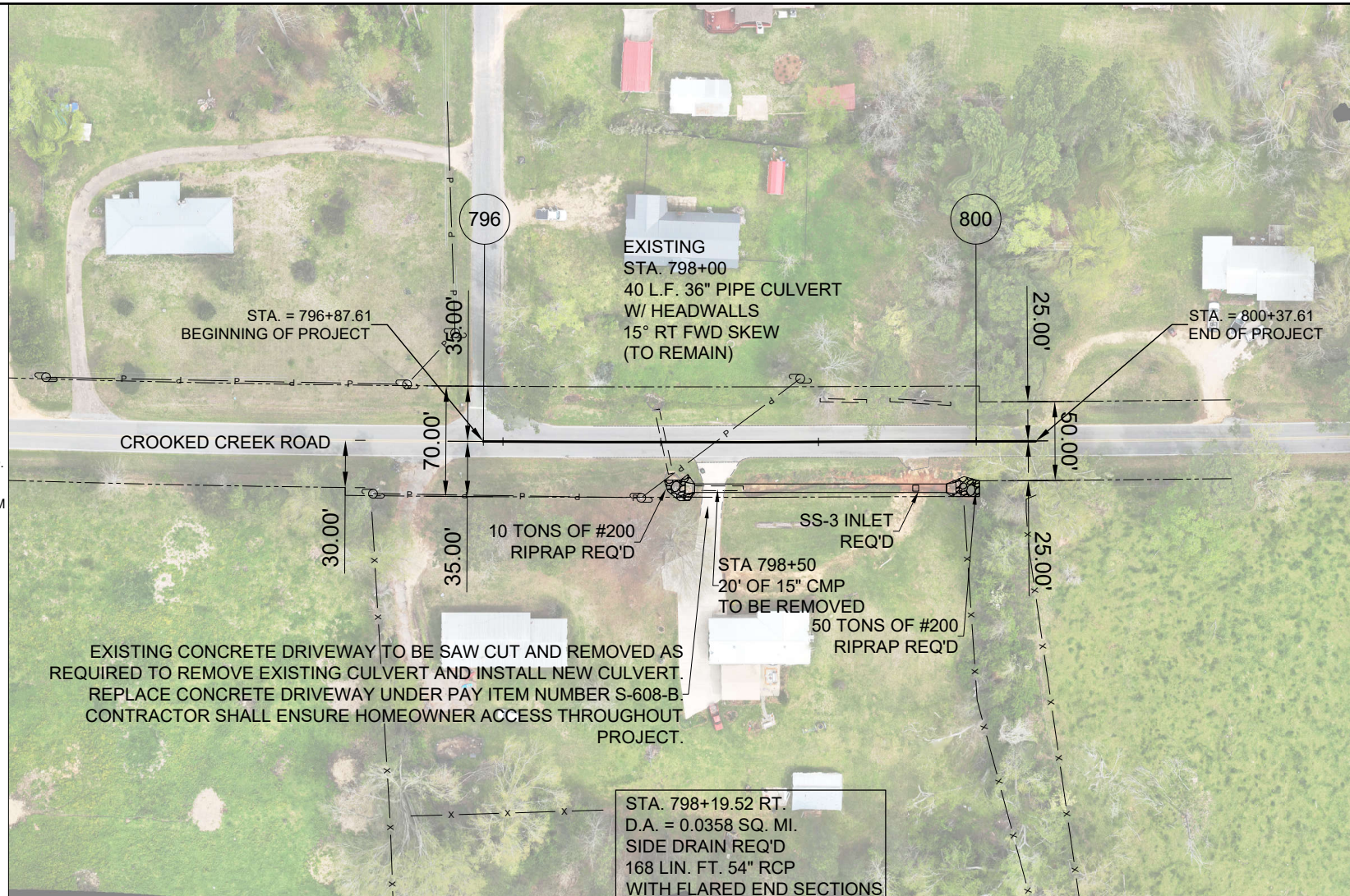
< 25 Acres - Rational Method
≥ 25 Acres - "Flood Frequency Of Rural Streams in Mississippi, 2013

DESIGN DATA

DESIGN SPEED - 30 MPH
CURRENT ADT (EST) = 710 VPD

SHRINKAGE FACTORS

BORROW MATERIAL = 1.50



PAY ITEMS	TOTAL		UNIT
	SITE "G"	PLAN	
MOBILIZATION	*	1	LUMP SUM
CLEARING AND GRUBBING	*	1	LUMP SUM
REMOVAL OF HEADWALLS	1	5	EACH
REMOVAL OF CONCRETE DRIVEWAY	12	12	SQ. YD.
REMOVAL OF PIPE (ALL SIZES)	20	156	LIN. FT.
UNCLASSIFIED EXCAVATION (FM)	230	624	CU. YD.
BORROW EXCAVATION (CONTRACTOR FURNISHED LVM, CLASS 6)	390	865	CU. YD.
EXCESS EXCAVATION (LVM)	0	156	CU. YD.
STRUCTURE EXCAVATION	246	531	CU. YD.
GRANULAR MATERIAL (LVM), (CLASS 4, GROUP B)	0	30	CU. YD.
CRUSHED STONE (SIZE 610) (LVM)	0	144	CU. YD.
SIZE II, STABILIZER AGGREGATE, COURSE	80	130	CU. YD.
HOT MIX ASPHALT, ST 9.5 MM	0	34	TON
CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	2,650	2,650	CU. YD.
REINFORCING STEEL	135	135	LB.
42" REINFORCED CONCRETE PIPE, CLASS III	0	48	LIN. FT.
54" REINFORCED CONCRETE PIPE, CLASS III	168	168	LIN. FT.
42" REINFORCED CONCRETE PIPE, END SECTION	0	2	EACH
54" REINFORCED CONCRETE PIPE, END SECTION	2	2	EACH
88" X 54" REINFORCED CONCRETE ARCH PIPE, CLASS III	0	48	LIN. FT.
88" X 54" REINFORCED CONCRETE ARCH PIPE, END SECTION	0	2	EACH
GUARDRAIL, W-BEAM	0	520	LIN. FT.
GUARDRAIL, TERMINAL END SECTION, NON FLARED	0	8	EACH
CONCRETE DRIVEWAY	12	12	SQ. YD.
MAINTENANCE OF TRAFFIC	*	1	LUMP SUM
ADDITIONAL CONSTRUCTION SIGNS	0	0	SQ. FT.
4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE) (60 MILS)	0	0.041	MILE
4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW) (90 MILS)	0	214	LIN. FT.
REFLECTORIZED TRAFFIC OBJECT MARKER(ENCAPSULATED LENS) (TYPE 3)	0	8	EACH
LOOSE RIPRAP, 200 LB.	60	802	TON
GEOTEXTILE UNDER RIPRAP, TYPE V AOS <0.43 (NON-WOVEN)	75	945	SQ. YD.
COMMERCIAL FERTILIZER (13-13-13)	0.154	0.154	TON
SEEDING	0.154	0.154	ACRE
VEGETATIVE MATERIALS FOR MULCH	0.308	0.308	TON
TEMPORARY SILT FENCE (TYPE II) (A.O.S. 0.15-0.84)	0	622	LIN. FT.
WATTLES, 20"	40	160	LIN. FT.

