

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS**

**WORKING
NUMBER** **SHEET
NUMBER**

KICKAPOO ROAD OVER BOGUE CHITTO CREEK

KICKAPOO ROAD OVER BOGUE CHITTO CREEK (GENERAL NOTES)
KICKAPOO ROAD OVER BOGUE CHITTO CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASEMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

A1 OF 7 466
A2 OF 7 467
A3 OF 7 468
A4 OF 7 469
A5 OF 7 470
A6 OF 7 471
A7 OF 7 472

BRIDGE DIVISION		
DATE	SHEET NO.	BY

CLINTON-TINNIN ROAD OVER STRAIGHT FENCE CREEK

CLINTON-TINNIN ROAD OVER STRAIGHT FENCE CREEK (GENERAL NOTES)
CLINTON-TINNIN ROAD OVER STRAIGHT FENCE CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASEMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

B1 OF 7 473
B2 OF 7 474
B3 OF 7 475
B4 OF 7 476
B5 OF 7 477
B6 OF 7 478
B7 OF 7 479

MAGNOLIA ROAD OVER BRANCH BOGUE CHITTO CREEK

MAGNOLIA ROAD OVER BRANCH BOGUE CHITTO CREEK (GENERAL NOTES)
MAGNOLIA ROAD OVER BRANCH BOGUE CHITTO CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASEMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

C1 OF 7 480
C2 OF 7 481
C3 OF 7 482
C4 OF 7 483
C5 OF 7 484
C6 OF 7 485
C7 OF 7 486

McRAVEN ROAD OVER SMITH CREEK

McRAVEN ROAD OVER SMITH CREEK (GENERAL NOTES)
McRAVEN ROAD OVER SMITH CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASEMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

D1 OF 7 487
D2 OF 7 488
D3 OF 7 489
D4 OF 7 490
D5 OF 7 491
D6 OF 7 492
D7 OF 7 493

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

001 00 AMPM DONFL LENAVE
MCDYY

		CITY OF CLINTON	
		DETAILED INDEX (BRIDGE)	
		PROJECT NO. STP-0025-00(033)	WORKING NUMBER BI-1
		COUNTY : HINDS	SHEET NUMBER 4
DATE	DESIGN TEAM	FILENAME: DI-BRIDGE-1	
	URS CORP	CHECKED	DATE
REVISION	BY		

SUMMARY OF QUANTITIES (BRIDGE ITEMS)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
803-A	TEST PILE	EA.	1	
803-B	CONVENTIONAL STATIC PILE LOAD TEST	EA.	1	
803-E	HP 14x73 STEEL PILING	L.F.	3695	
803-F	18" DIA. PREFORMED PILE HOLE	L.F.	1444	
803-I	PDA TEST PILE	EA.	3	
804-A	BRIDGE CONCRETE CLASS B	C.Y.	37	
805-B	REINFORCEMENT	LB.	678	
5-806-A	19' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR	EA.	8	
5-806-A	31' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR	EA.	12	
5-806-A	19' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR	EA.	16	
5-806-A	31' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR	EA.	24	
5-806-C	19' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR	EA.	8	
5-806-C	31' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR	EA.	12	
5-806-D	19' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA.	4	
5-806-D	31' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR 30 DEGREE SKEW, RT FWD	EA.	2	
5-806-D	19' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA.	8	
5-806-D	31' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA.	4	
5-806-F	19' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR, 30 DEGREE SKEW, RT FWD	EA.	4	
5-806-F	31' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR, 30 DEGREE SKEW, RT FWD	EA.	2	
5-806-G	PRECAST CONCRETE BARRIER RAIL	L.F.	662	
5-806-I	35' PRECAST CONCRETE CAP, INTERMEDIATE UNIT, STEEL PILE	EA.	7	
5-806-J	35' PRECAST CONCRETE CAP, END UNIT, STEEL PILE	EA.	6	
5-806-K	40' PRECAST CONCRETE CAP, INTERMEDIATE UNIT, STEEL PILE, 30 DEGREE SKEW, RT FWD	EA.	2	
5-806-L	40' PRECAST CONCRETE CAP, END UNIT, STEEL PILE, 30 DEGREE SKEW, RT FWD	EA.	2	
5-806-M	PRECAST CONCRETE WINGWALL	EA.	16	
810-A	STRUCTURAL STEEL	LB.	11070	
815-A	LOOSE RIPRAP	TON	1545	
815-E	GEOTEXTILE FABRIC UNDER RIPRAP	S.Y.	1536	

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

001 00 AMPM DON'T LEAVE
MDDY

		CITY OF CLINTON	
		SUMMARY OF QUANTITIES (BRIDGE ITEMS)	
		PROJECT NO. STP-0025-00(033)	WORKING NUMBER SQ-2
		COUNTY : HINDS	SHEET NUMBER 10
DATE	DESIGN TEAM	URS CORP	CHECKED
			DATE

ESTIMATED QUANTITIES

Bridge	Beginning Station	Spans - Size	Overall Length	Item	Test Piles	Conventional Static Pile Load Test	HP 14X73	18" Dia. Preformed Pile Hole	PDA Test Pile	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab Unit, 3.5' Interior	31' Precast Concrete Slab Unit, 3.5' Interior	19' Precast Concrete Slab Unit, 4.5' Interior	31' Precast Concrete Slab Unit, 4.5' Interior	19' Precast Concrete Slab Unit, 3.5' Exterior	31' Precast Concrete Slab Unit, 3.5' Exterior	Precast Concrete Barrier Rail	35' Precast Concrete Cap, Intermediate Unit, Steel Pile	35' Precast Concrete Cap, End Unit, Steel Pile	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap				
												EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.			
KICKAPOO RD. OVER BRANCH BOGLE CHITTO CREEK	14+96.07	4 @ 31'	123.950	Spans																								
				End Bents		332	184						8		16		8	248				2	4			365	354	
				Int. Bents		765	112	1	12	217												3			3617			
				Totals		1097	296	1	12	217				8		16		8	248			3	2	4	3617	365	354	
CLINTON TUNNIN RD. OVER STRAIGHT FENCE CREEK	305+13.32	1 @ 19', 1 @ 31', 1 @ 19'	68.950	Spans																								
				End Bents		340	290						4	2	8	4	4	2	138									
				Int. Bents		504	216	1	8	148												2			2416			
				Totals		844	506	1	8	148				4	2	8	4	4	2	138			2	2	4	2416	386	388
McRAVEN RD. OVER SMITH CREEK	104+93.65	1 @ 19', 1 @ 31', 1 @ 19'	68.950	Spans	1	1																						
				End Bents		371	198							4	2	8	4	4	2	138								
				Int. Bents		747	102					9	169									2			2444			407
				Totals		1118	300				9	169		4	2	8	4	4	2	138			2	2	4	2444	407	416

ESTIMATED QUANTITIES

Bridge	Beginning Station	Spans - Size	Overall Length	Item	HP 14X73	18" Dia. Preformed Pile Hole	PDA Test Pile	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab Unit, 3.5' Interior, 30" Skew, Rt Fwd	31' Precast Concrete Slab Unit, 3.5' Interior, 30" Skew, Rt Fwd	19' Precast Concrete Slab Unit, 4.5' Interior, 30" Skew, Rt Fwd	31' Precast Concrete Slab Unit, 4.5' Interior, 30" Skew, Rt Fwd	19' Precast Concrete Slab Unit, 3.5' Exterior, 30" Skew, Rt Fwd	31' Precast Concrete Slab Unit, 3.5' Exterior, 30" Skew, Rt Fwd	Precast Concrete Barrier Rail	40' Precast Concrete Cap, Intermediate Unit, Steel Pile, 30" Skew, Rt Fwd	40' Precast Concrete Cap, End Unit, Steel Pile, 30" Skew, Rt Fwd	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap				
					EA.	EA.	EA.	C.Y.	LB.	EA.	EA.	EA.	EA.	EA.	EA.	L.F.	EA.	EA.	EA.	EA.	EA.	EA.	EA.			
MAGNOLIA RD. OVER BRANCH BOGLE CHITTO CREEK	204+95.04	1 @ 19', 1 @ 31', 1 @ 19'	68.609	Spans																						
				End Bents		226	204						4	2	8	4	4	2	138							
				Int. Bents		410	138			8	144											2			2593	
				Totals		636	342			1	8	144		4	2	8	4	4	2	138			2	2	4	2593

BY		CITY OF CLINTON	
REVISION		ESTIMATED QUANTITIES (BRIDGE ITEMS)	
DATE		PROJECT NO. STP-0025-00(033)	WORKING NUMBER EQ-4
DESIGN TEAM		COUNTY: HINDS	SHEET NUMBER 16
URS CORP		CHECKED	DATE

ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES

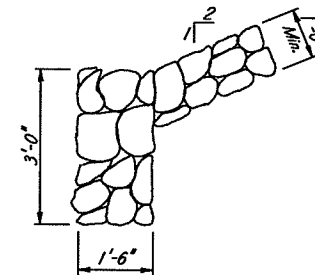
Item	PDA Test Piles	HP 14x73 Steel Piling	18" Dia. Preformed Pile Hole	Bridge Concrete Class B	Reinforcement	31' Precast Concrete Slab Unit, 3.5' Interior	31' Precast Concrete Slab Unit, 4.5' Interior	31' Precast Concrete Slab Unit, 3.5' Exterior	Precast Concrete Barrier Rail	35' Precast Concrete Cap, Intermediate Unit, Steel Pile	35' Precast Concrete Cap, End Unit, Steel Pile	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap
Location	Each	L.F.	L.F.	C.Y.	LB.	Each	Each	Each	L.F.	Each	Each	Each	LB	Ton	S.Y.
Spans						8	16	8	248						
End Bents		332	184								2	4		365	354
Int. Bents	1	765	112	12	217					3			3617		
Totals	1	1097	296	12	217	8	16	8	248	3	2	4	3617	365	354

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Bridge Engineer. Minor Changes In Detail Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 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-94).
 Shop Drawings Of Precast Concrete Slab Spans, Including An Erection Plan, Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
 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.

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Req'd Ultimate Bearing (Tons)	Pile	Estimated Length	Pre-drilled Pile Hole Elevation	Tip Elevation
1	120	HP 14x73	41.5	205	187
2	153	HP 14x73	63.7	205	165
3	153	HP 14x73	63.7	205	165
4	153	HP 14x73	63.7	205	165
5	120	HP 14x73	41.5	205	187



RIPRAP TOE DETAILS

PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Bridge Engineer May Authorize Test Piles Driven Outside The Structure Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be HP 14x73.
 When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
 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 AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
 Piles Shall Be Driven In An 18" Dia. Preformed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. Preformed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.

SPECIAL PROVISIONS REQUIRED:

Concrete Bridges and Structures No. 907-804
 Precast Concrete Bridge Caps, Spans And Wings . . . No. 907-806-1

DRAINAGE DATA:

Drainage Area 20.55 sq. mi.
 Total Q25 (U.S.G.S.) . . . 5778 cfs (Estimated Value)
 Effective Area 993 sq. ft.

DESIGN DATA:

Specifications A.A.S.H.T.O., LRFD Bridge Specifications 4th Edition, 2007
 Design Loading HL-93
 Roadway Width 32'-0" Gutter To Gutter
 Concrete fy = 60,000 psi

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 OFFICE OF STATE AID ROAD CONSTRUCTION
 LRFD STANDARD DRAWINGS REQUIRED:**

- PC-5 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-6 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-7 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-8 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-17 Precast Abutment Wingwall For Use With 19 ft. & 31 ft. Precast Concrete Spans
- PC-18 19'-0" Solid Type Barrier Rail
- PC-19 31'-0" Solid Type Barrier Rail

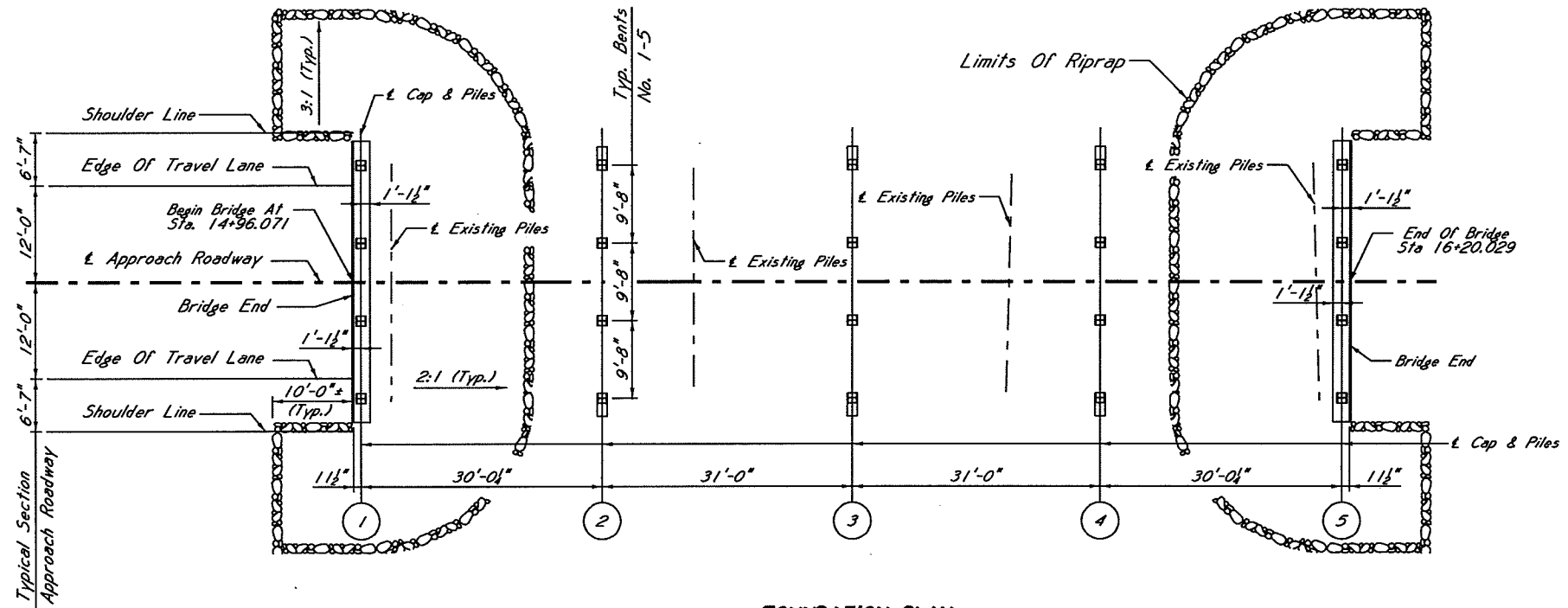
TEST PILE SCHEDULE

Bent No.	Min. Length (Feet)	Tip Elevation
2	64	165

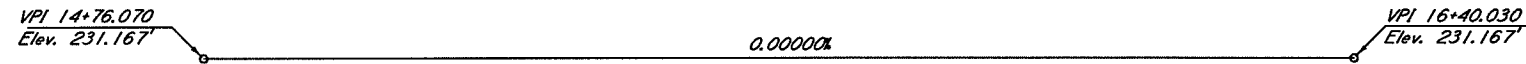
BY		CITY OF CLINTON	
REVISION		KICKAPOO (GENERAL NOTES)	
PROJECT NO. STP-0025-00(033)		WORKING NUMBER A1 OF 7	
COUNTY : HINDS		SHEET NUMBER 466	
DATE	DESIGN TEAM	URS CORP	CHECKED
			DATE

ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

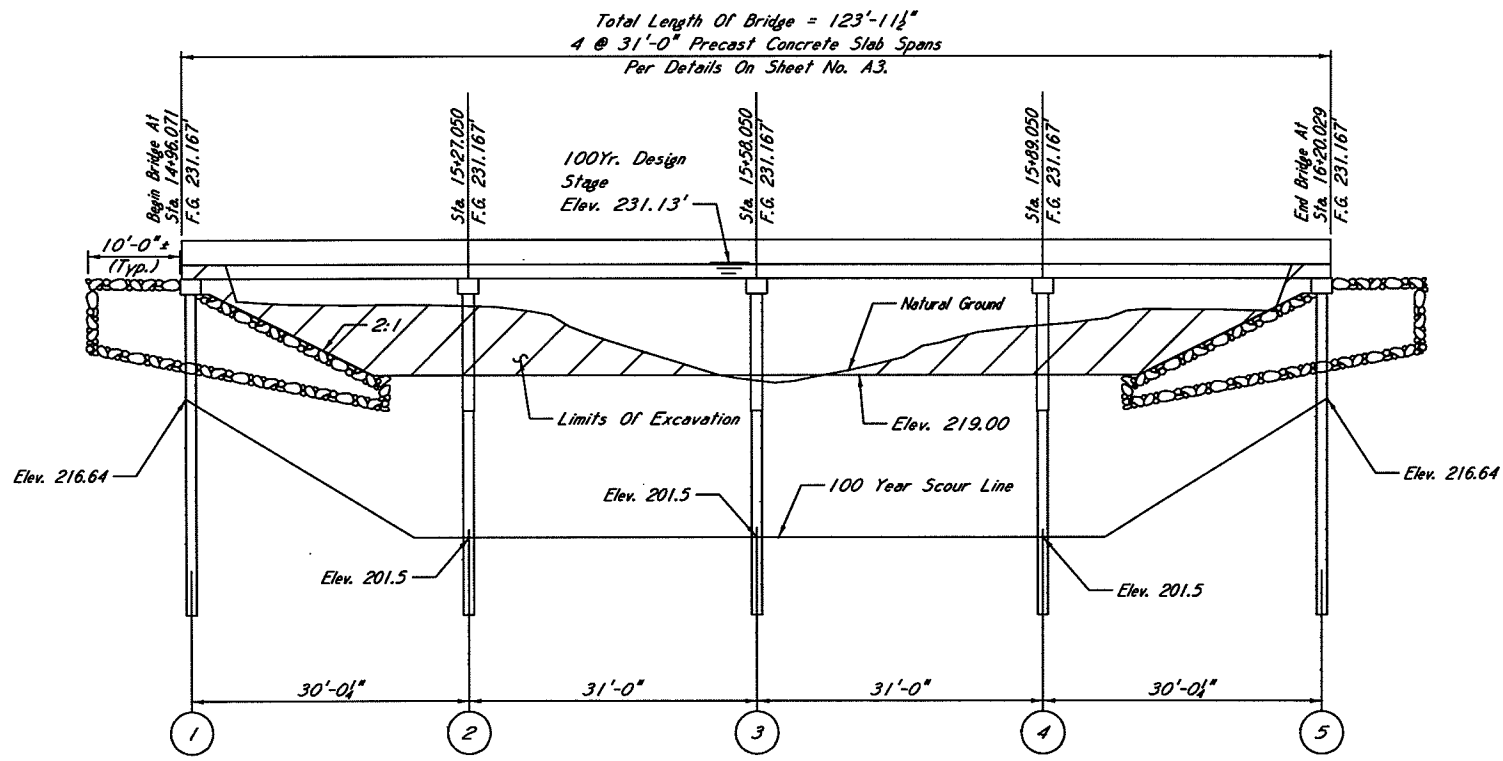
MODIFY 001 001 AMPM DGNFILENAME



FOUNDATION PLAN
Scale: 1"=10'



VERTICAL PROFILE



Steel Pile End Bent No. 1&5
Per Details On Sheets No. A5 & A6.
4 - HP 14x73 Steel Piles Per Bent.

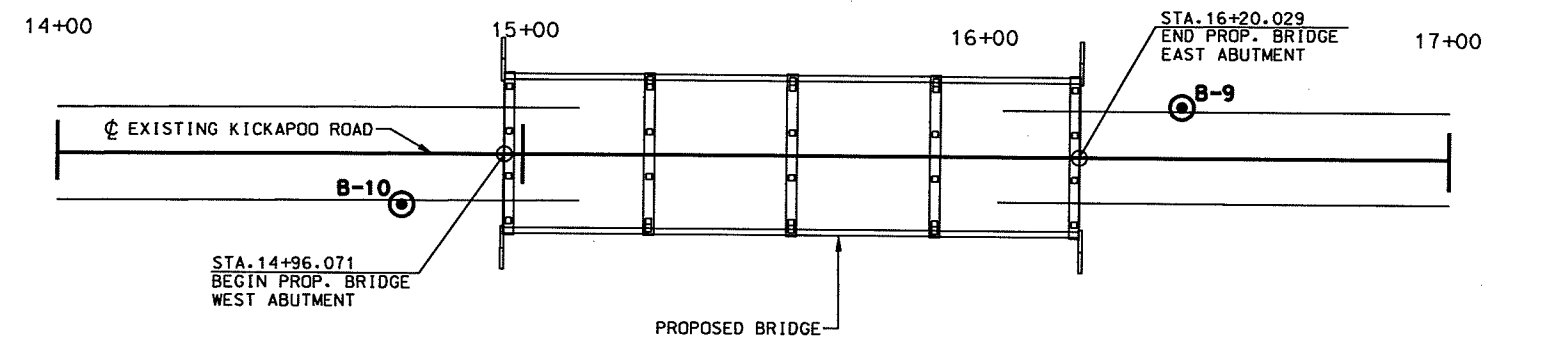
Steel Pile Int. Bent No. 2,3,&4
Per Details On Sheets No. A5 & A6.
4 - HP 14x73 Steel Piles Per Bent.

ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY
Scale: 1"=10'

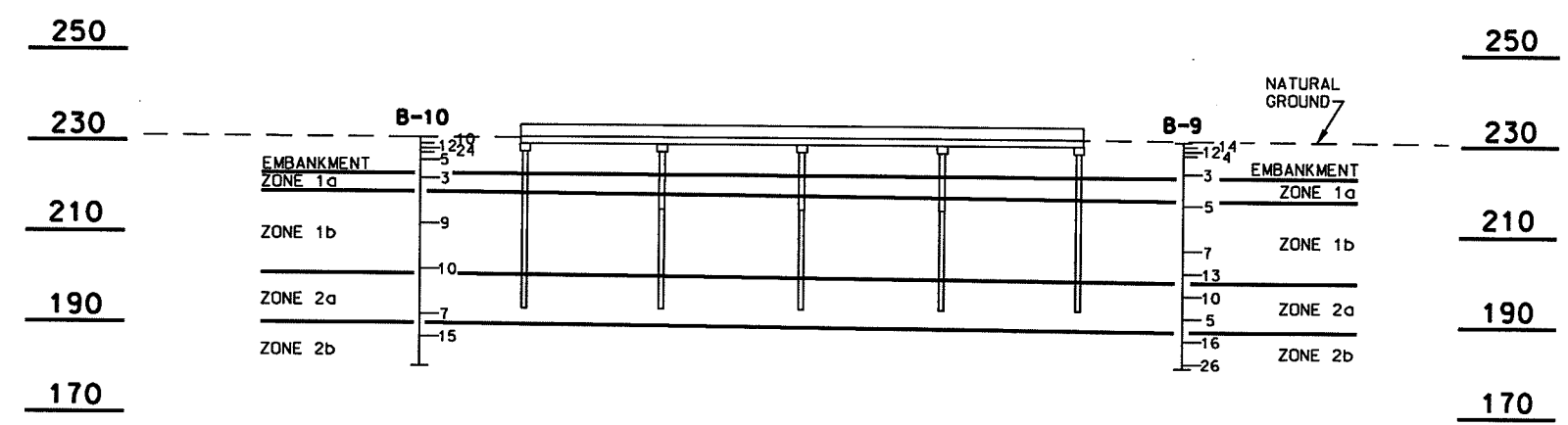
Bent No.	Elevation
1	214.74
2	208.70
3	208.70
4	208.70
5	214.74

CITY OF CLINTON	
KICKAPOO (ELEVATION & FOUNDATION PLAN)	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER A2 OF 7
COUNTY : HINDS	SHEET NUMBER 467
FILENAME:	DESIGN TEAM URS CORP CHECKED DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 DESIGN
 BB1 BBA/PM DONF LLENAVE
 MDDYY



PLAN



PROFILE

SOIL STRENGTHS			
ZONE	C(psf)	ϕ	γ (pcf)
EMBANKMENT	700	0	123
1a	400*	0	126
1b	1350	0	132
2a	1600*	0	110
2b	4000*	0	110*

* ASSIGNED

- ZONE 1 - ALLUVIUM (Ra)**
- 1a- Soft to Firm Gray to Dark Gray Sandy Silt and Silty Clay
 - 1b- Stiff Grayish Brown and Yellowish Brown Clay and Silty Clay
- ZONE 2- YAZOO FORMATION (Ej)**
- 2a- Stiff to Very Stiff Yellow and Gray Slickensided Clay
 - 2b- Hard Greenish Gray to Blue Fossiliferous Clay

NOTICE TO CONTRACTOR:

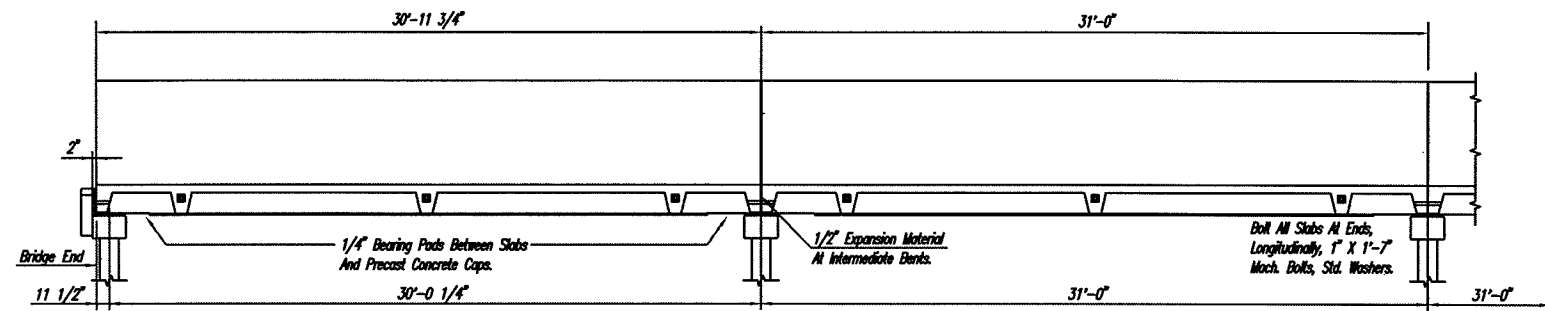
- THE GENERALIZED SOIL PROFILE SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THOMPSON ENGINEERING AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS. THE GEOTECHNICAL REPORT IS AVAILABLE FOR INSPECTION THROUGH THE GEOTECHNICAL BRANCH, MDOT.
- SOUND ENGINEERING JUDGEMENT WAS EXERCIZED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS.
- ALL STRUCTURAL AND GRADING DETAILS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

CITY OF CLINTON	
KICKAPOO GENERALIZED SOIL PROFILE	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER A3 of 7
COUNTY : HINDS	SHEET NUMBER
FILENAME:	468
DESIGN TEAM	URS CORP
CHECKED	DATE

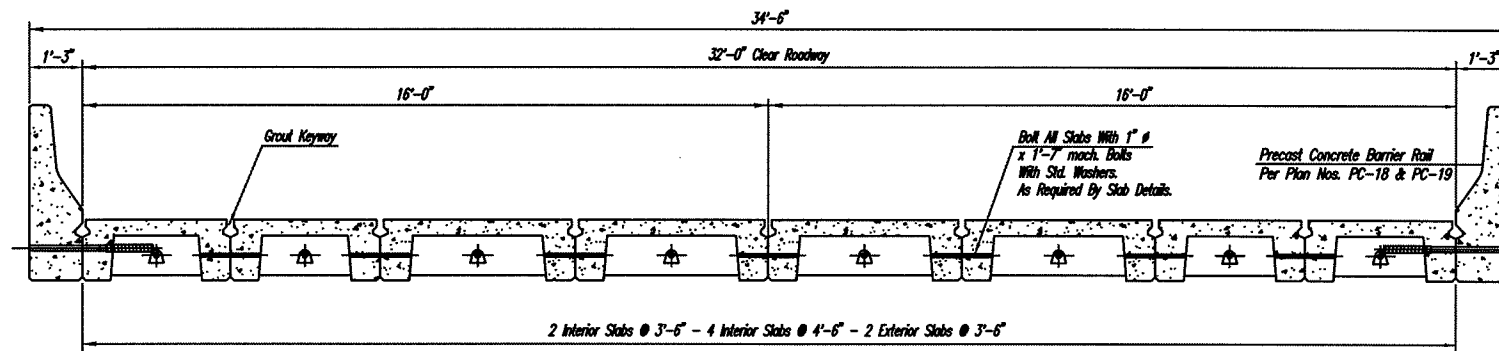
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MODIFY
09L 09 AM PM DONFI LLENAVE

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)



ELEVATION - 31' END SPAN & 31' INTERMEDIATE SPAN



SECTION OF 32'-0" ROADWAY

GENERAL NOTES

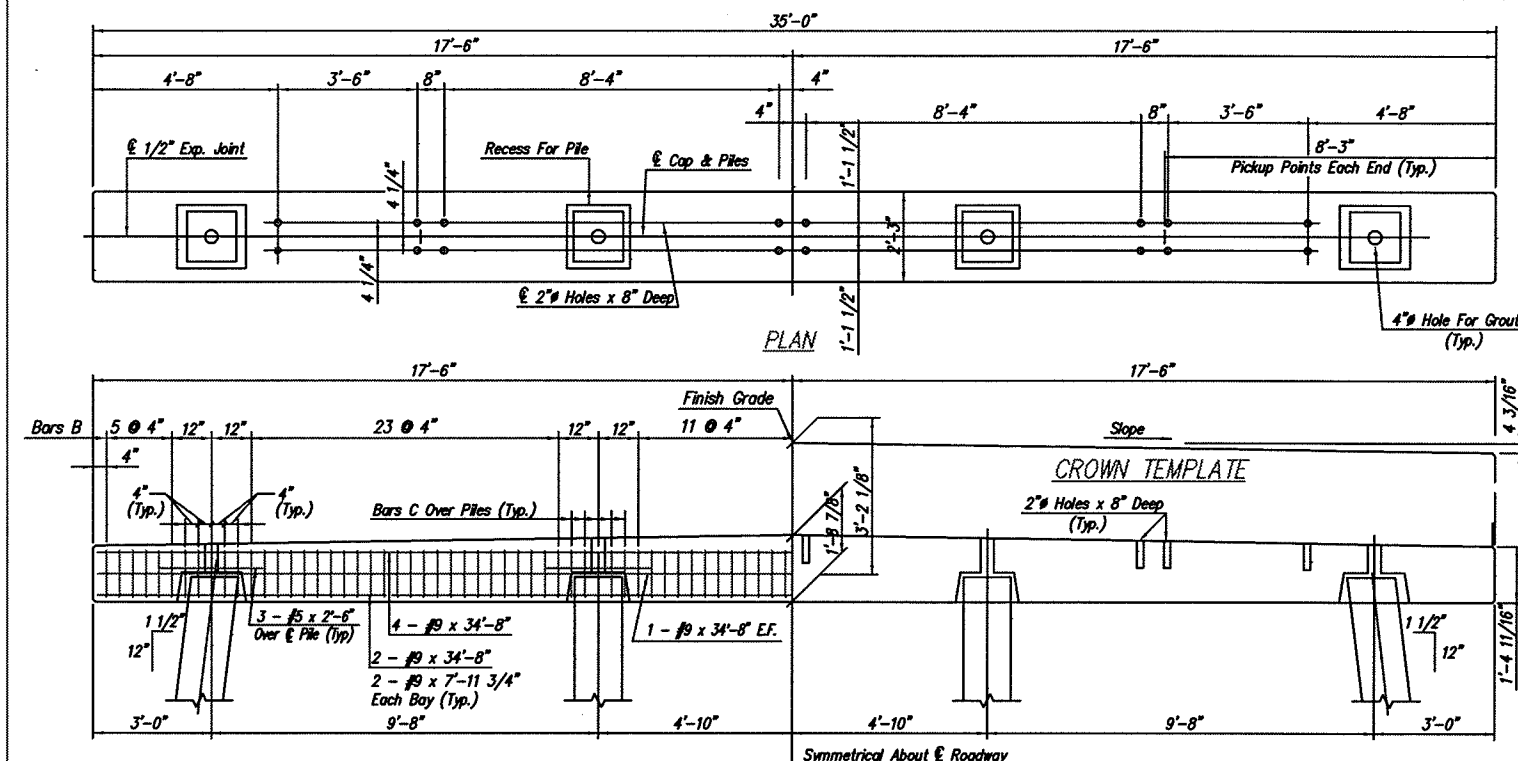
Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Units Shall Be Accurately Placed On Preset Caps With All Slab To Cap Dowels Installed And All Bolts, Transverse And Longitudinal, Installed. Prior To Traffic Use, All Longitudinal Grout Keyways Shall Be Filled And Finished To Slab Surface With A 1:2:3 Mix. Maximum Size Aggregate Shall Be 3/8".
 Hardware Shall Be Galvanized Or Cadmium Plated.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.

DESIGN DATA:

Specifications:.....2007 AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007
 Design Loading:.....HL-93
 $f_y = 60,000$ p.s.i.; $f_c = 4,500$ p.s.i.; $n = 7$

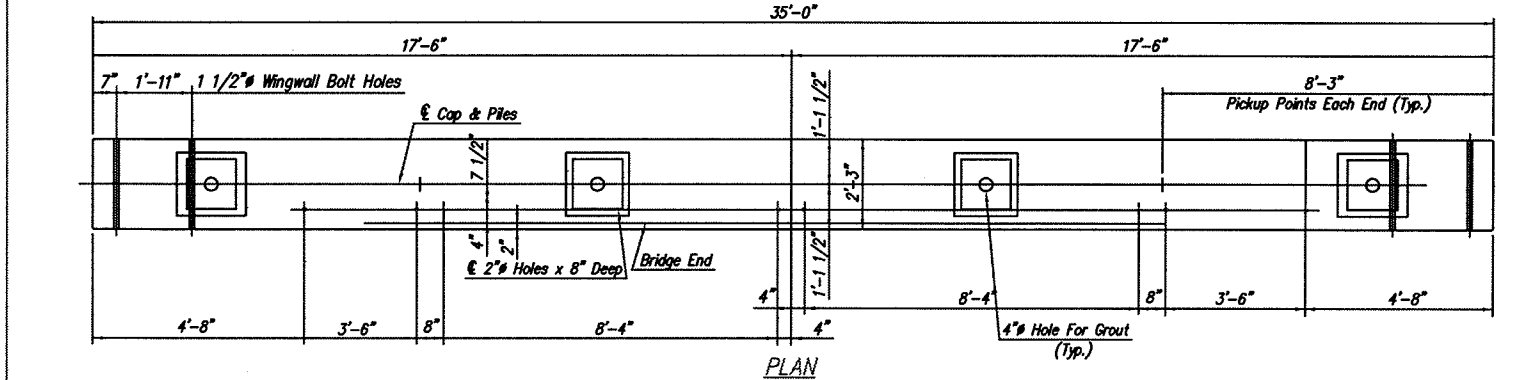
		CITY OF CLINTON	
		KICKAPOO	
		31' PRECAST CONCRETE SPANS	
		PROJECT NO. STP-0025-00(033)	WORKING NUMBER A4 OF 7
		COUNTY: HINDS	SHEET NUMBER 469
DATE	DESIGN TEAM	URS CORP	CHECKED
			DATE

P:\02052530 (A.T.S.) 06/07/2006

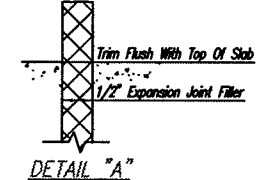
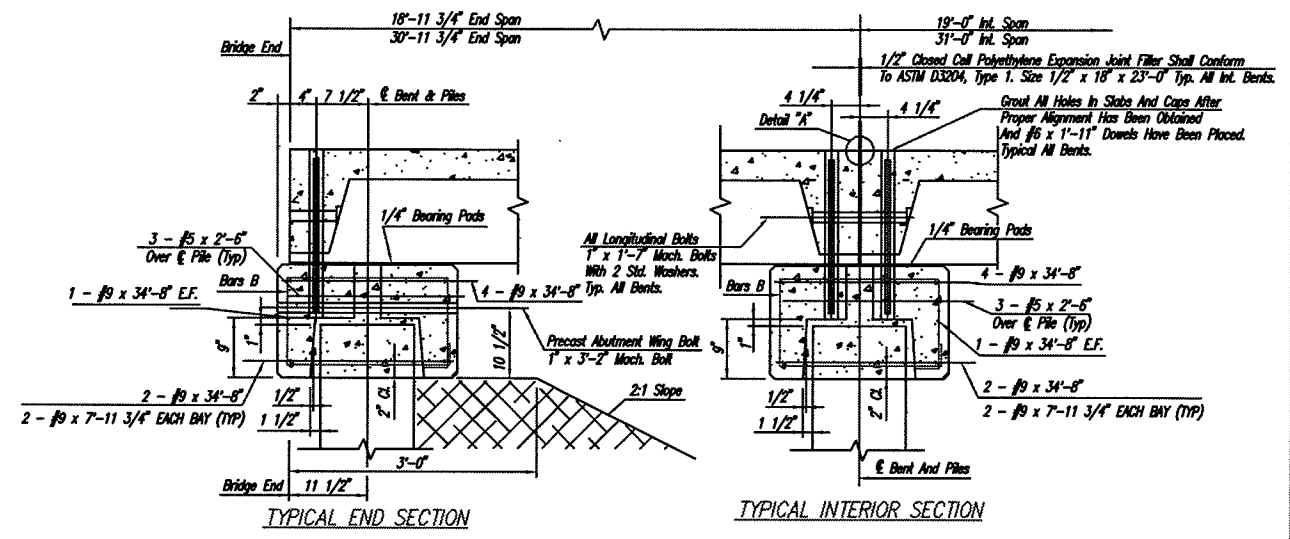


NOTE: Piles Shall Be In Accordance With Guidelines On Sheet A-6.

ELEVATION
INTERMEDIATE UNIT

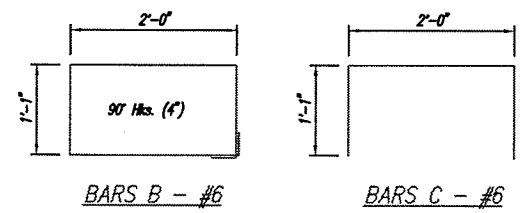


ELEVATION
END UNIT

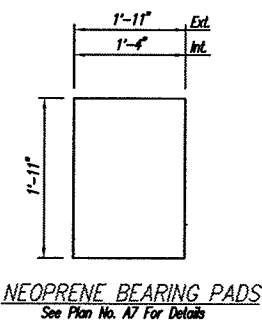


After Caps Have Been Set To Proper Line And Grade, Recess Around Piles And 4" Holes Shall Be Completely Filled With Epoxy Type Grout Or, Non Shrink Commercial Type Grout.

GENERAL NOTES
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Concrete Shall Obtain A Minimum Compressive Strength Of 3000 p.s.i. At 28 Days, And A Minimum Compressive Strength Of 2500 p.s.i. Before Caps Are Lifted From Forms.
 All Concrete Edges Shall Be Chamfered 3/4".
 Reinforcing Steel Shall Be Deformed Bars Conforming To A.S.T.M. A615 Grade 60. All Reinforcing Steel Shall Be Accurately Located In The Forms And Securely Held In Place By Means Of Steel Wire Supports.
 Grout For Cap To Piling Connection Shall Be Non-Shrink Commercial Type Or Epoxy Type In Accordance With Section S-806.03.5
 Handling And Placing Precast Caps, Slabs, Barrier Rail, And Wings" Of The Specifications.
 Hardware Shall Be Galvanized Or Cadmium Plated.
 A Variation Of More Than 1/4" In Dimensions Will Be Cause For Rejection Of The Unit.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
 Wingwalls shall be per Mississippi Department of Transportation Office of State Aid Road Construction Standard PC-17.



BAR BENDING DETAILS
Dimensions Are Out To Out

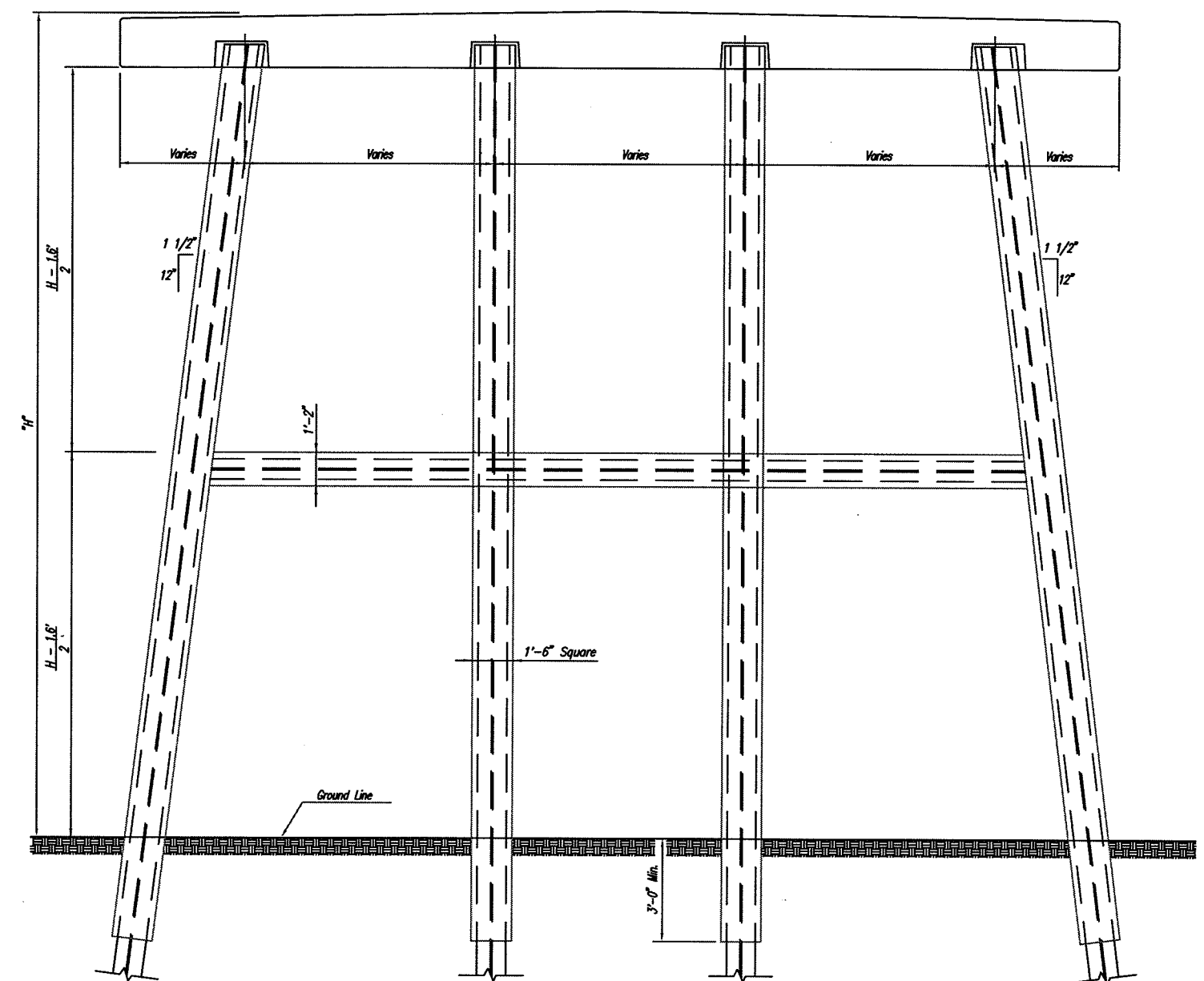


NEOPRENE BEARING PADS
See Plan No. A7 For Details

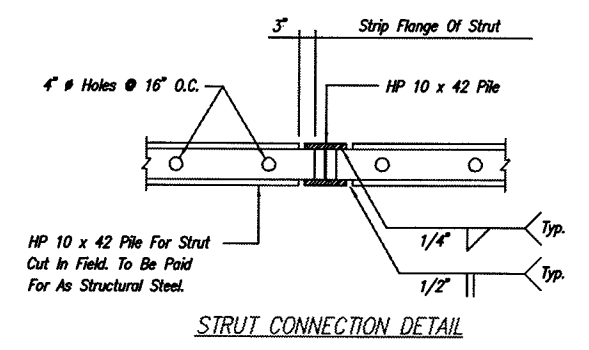
DESIGN DATA:
 Specifications: A.A.S.H.T.O. LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, 2007
 Design Loading: HL-93
 $f_y = 60,000$ p.s.i. $f_c = 3,000$ p.s.i. $n = 9$

CITY OF CLINTON		PROJECT NO. STP-0025-00(033)		WORKING NUMBER	
KICKAPOO		COUNTY: HINDS		AS OF 7	
PRECAST CONCRETE CAPS		FILENAME:		SHEET NUMBER	
		DESIGN TEAM: LRS CORP		470	
DATE	CHECKED	DATE			

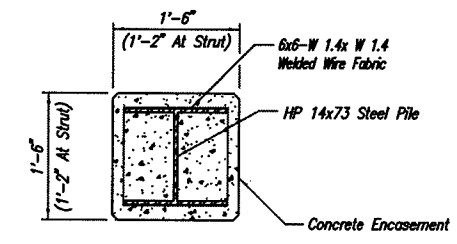
10/20/2007 (1:58) 10/20/2007



STEEL PILE ENCASEMENT AND STRUT DETAILS

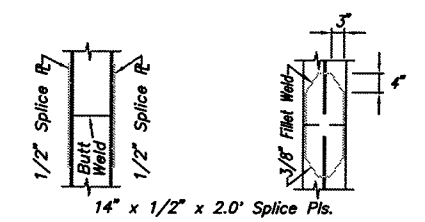


STRUT CONNECTION DETAIL



NOTE: Pile Encasement Shall Be Reinforced With 6x6- W 1.4x W 1.4 Welded Wire Fabric Weighing 0.21 Lbs. Per Sq. Ft. Which Will Be Paid For As Reinforcing Steel. Chamfer Corners Of Encasement 3/4\".

PILE ENCASEMENT DETAIL

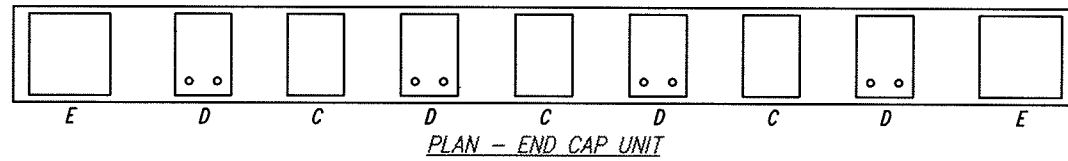
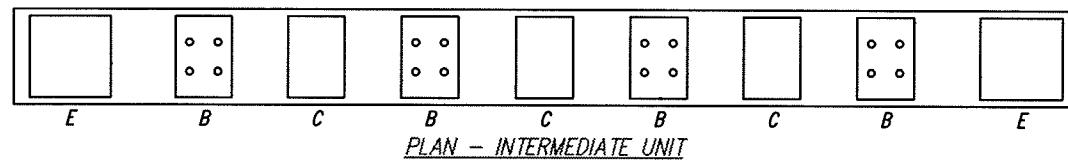
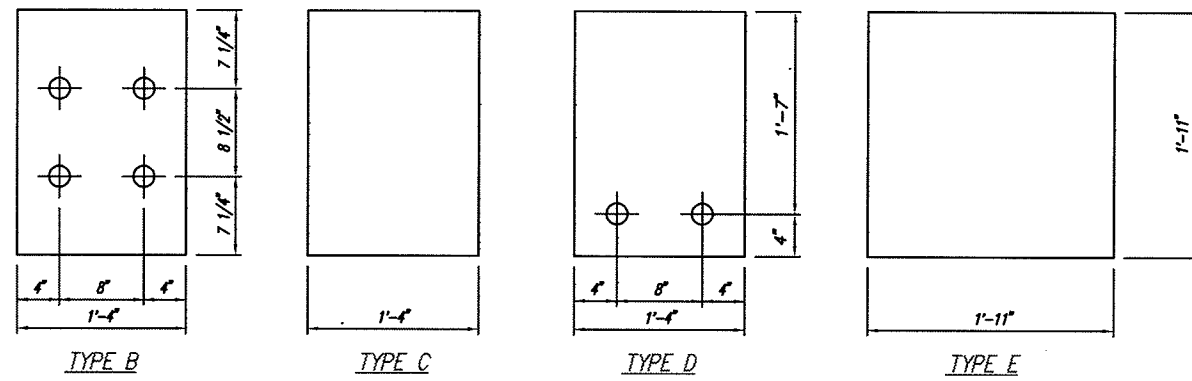


PILE SPLICE FOR HP14X73 STEEL PILE

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Welding Shall Be Done By The Electric Arc Process.
 When Practicable, All Piles Shall Be Driven Full Length And Shall Not Be Spliced Except By Authority Of The Engineer.
 Steel Piles Shall Be Paid For At The Contract Price Per Linear Foot Complete In Place And No Additional Payment Will Be Allowed For Excavation And De-watering Incidental To Installation Of Pile Encasements.
 Pile Encasement And Strut Concrete Shall Be Paid For As Class "B" Concrete.
 Wire Mesh And Strut Reinforcement Will Be Paid For As Reinforcing Steel.
 All Work For Which No Pay Items Are Provided In The Proposal Will Not Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
 All Piles Shown In Plans Shall Conform To AASHTO M270 Grade 50.

BY		CITY OF CLINTON	
REVISION		KICKAPOO STEEL PILE ENCASEMENT AND STRUT DETAILS	
PROJECT NO.		STP-0025-00(033)	WORKING NUMBER
COUNTY:		HINDS	A6 OF 7
FILENAME:			SHEET NUMBER
DESIGN TEAM		URS CORP.	471



NEOPRENE PAD PLACEMENT - 32' CLEAR ROADWAY

GENERAL NOTES:

Specifications:
 Hardness A.S.T.M. D2240 70 Durometer ±5
 Tensile Strength A.S.T.M. D412 2500
 Ultimate Elongation Minimum % 300
 All Holes Are 2 Inches In Diameter
 Thickness Of The Pads Shall Be 1/4" Unless Otherwise Designated On The Plans. Pads May Be Cut From Stock Using Appropriate Saw Or Shear, And Holes May Be Drilled. Pads Will Not Be Paid For Separately And Compensation Therefore Shall Be Considered Included In The Prices And Payment For Bid Items.

PC-15 PADS (N.I.S.) 04/04/2006

BY		CITY OF CLINTON	
REVISION		KICKAPOO BEARING PAD & PLACEMENT DETAILS	
PROJECT NO.		STP-0025-00(033)	WORKING NUMBER
COUNTY:		HINDS	AT OF 7
DATE	FILENAME:		SHEET NUMBER
DESIGN TEAM	URS CORP	CHECKED	DATE
			472

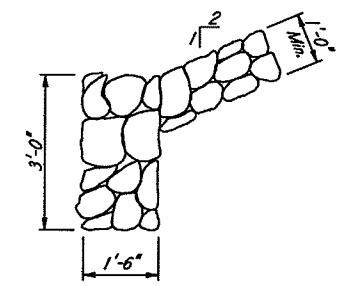
ESTIMATED QUANTITIES

Item	PDA Test Piles	HP 14x73 Steel Piling	18" Dia. Preformed Pile Hole	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab Unit, 3.5' Interior	31' Precast Concrete Slab Unit, 3.5' Interior	19' Precast Concrete Slab Unit, 4.5' Interior	31' Precast Concrete Slab Unit, 4.5' Interior	19' Precast Concrete Slab Unit, 3.5' Exterior	31' Precast Concrete Slab Unit, 3.5' Exterior	Precast Concrete Barrier Rail	35' Precast Concrete Cap, Intermediate Unit, Steel Pile	35' Precast Concrete Cap, End Unit, Steel Pile	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap
Location	Each	L.F.	L.F.	C.Y.	LB.	Each	Each	Each	Each	Each	Each	L.F.	Each	Each	Each	LB	Ton	S.Y.
Spans						4	2	8	4	4	2	138						
End Bents		340	290											2	4		386	388
Int. Bents	1	504	216	8	148								2			2416		
Totals	1	844	506	8	148	4	2	8	4	4	2	138	2	2	4	2416	386	388

GENERAL NOTES:
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Bridge Engineer. Minor Changes In Detail Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 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-94).
 Shop Drawings Of Precast Concrete Slab Spans, Including An Erection Plan, Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
 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.

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Req'd Ultimate Bearing (Tons)	Pile	Estimated Length	Pre-drilled Pile Hole Elevation	Tip Elevation
1	97	HP 14x73	42.2	220	214.5
2	136	HP 14x73	62.9	220	194.0
3	136	HP 14x73	63.1	220	194.0
4	97	HP 14x73	42.6	220	214.5



RIPRAP TOE DETAILS

TEST PILE SCHEDULE

Bent No.	Min. Length (Feet)	Tip Elevation
2	63	194

PILE NOTES:
 Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Bridge Engineer May Authorize Test Piles Driven Outside The Structure Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be HP 14x73.
 When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
 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 AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
 Piles Shall Be Driven In An 18" Dia. Preformed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. Preformed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.

SPECIAL PROVISIONS REQUIRED:
 Concrete Bridges and Structures No. 907-804
 Precast Concrete Bridge Caps, Spans And Wings . . . No. 907-806-1

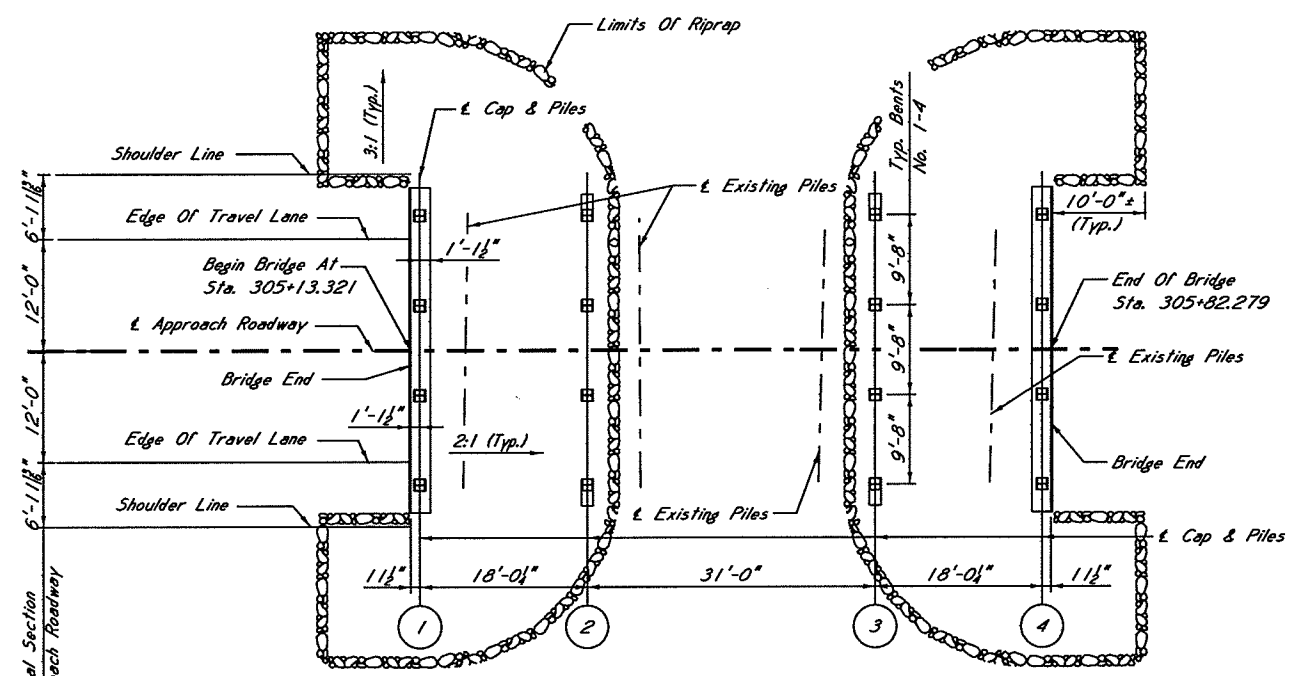
DRAINAGE DATA:
 Drainage Area 3.45 sq. mi.
 Total Q25 (U.S.G.S.) . . . 2120 cfs
 Effective Area 472 sq. ft.

DESIGN DATA:
 Specifications A.A.S.H.T.O., LRFD Bridge Specifications 4th Edition, 2007
 Design Loading HL-93
 Roadway Width 32'-0" Gutter To Gutter
 Concrete fy = 60,000 psi

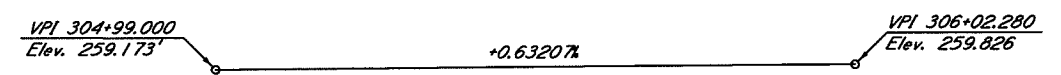
MISSISSIPPI DEPARTMENT OF TRANSPORTATION OFFICE OF STATE AID ROAD CONSTRUCTION LRFD STANDARD DRAWING REQUIRED:
 PC-5 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
 PC-6 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
 PC-7 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
 PC-8 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
 PC-17 Precast Abutment Wingwall For Use With 19 ft. & 31 ft. Precast Concrete Spans
 PC-18 19'-0" Solid Type Barrier Rail
 PC-19 31'-0" Solid Type Barrier Rail

BY		CITY OF CLINTON	
REVISION		<p align="center">CLINTON-TINNIN (GENERAL NOTES)</p>	
DATE			
PROJECT NO. STP-0025-00(033)		WORKING NUMBER B1 OF 7	
COUNTY : HINDS		SHEET NUMBER 473	
FILENAME:		DESIGN TEAM URS CORP CHECKED DATE	

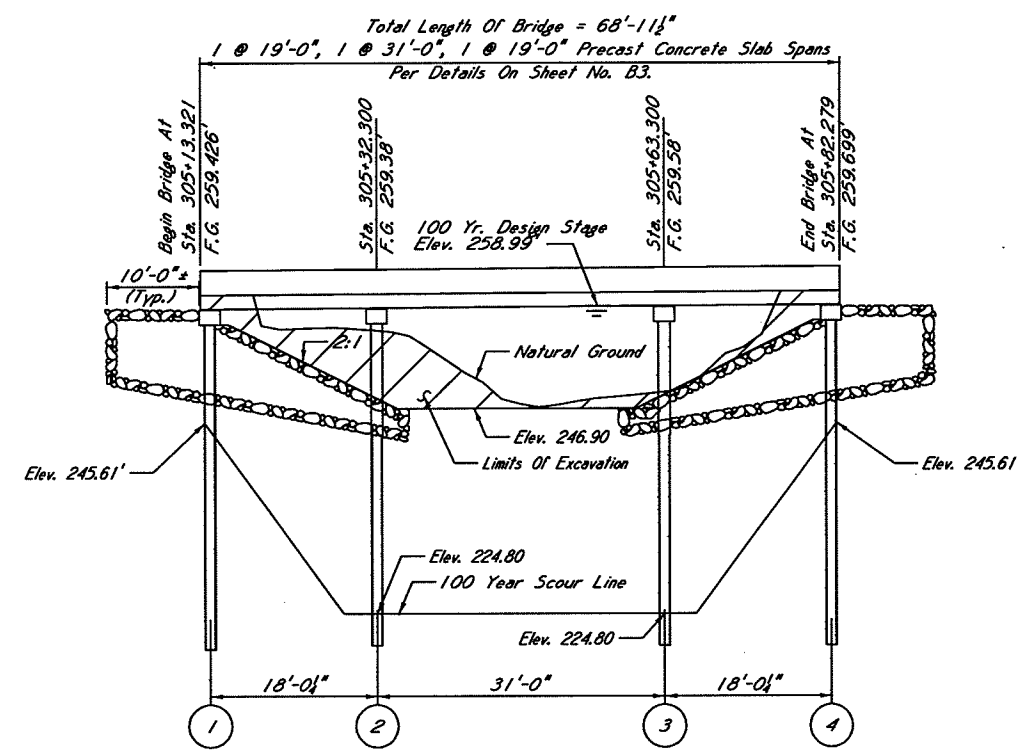
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 MOODY 001 00 AMPH DGNF LENAME



FOUNDATION PLAN
Scale: 1"=10'



VERTICAL PROFILE



Steel Pile End Bent No. 1&4
Per Details On Sheets No. B5 & B6.
4 - HP 14x73 Steel Piles Per Bent.

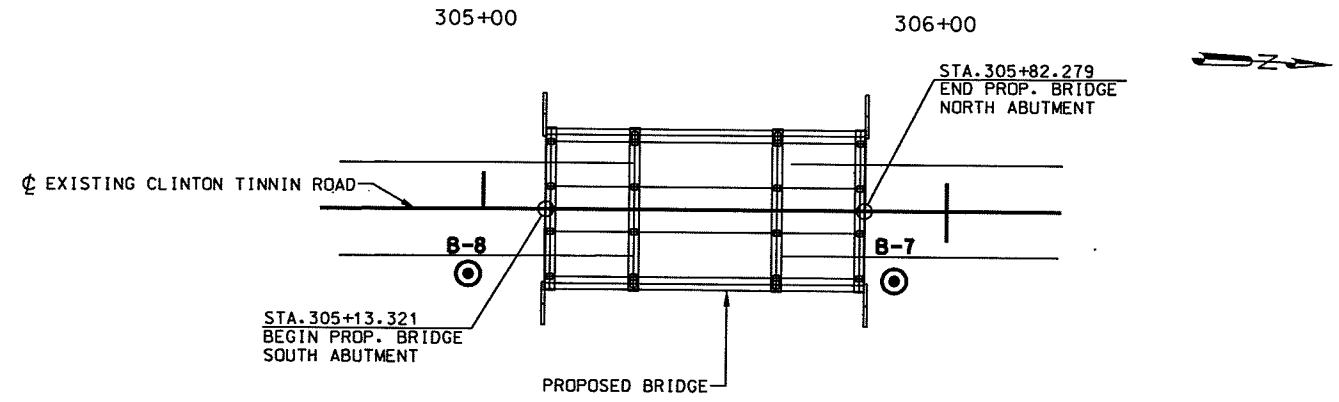
Steel Pile Int. Bent No. 2&3
Per Details On Sheets No. B5 & B6.
4 - HP 14x73 Steel Piles Per Bent.

ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY
Scale: 1"=10'

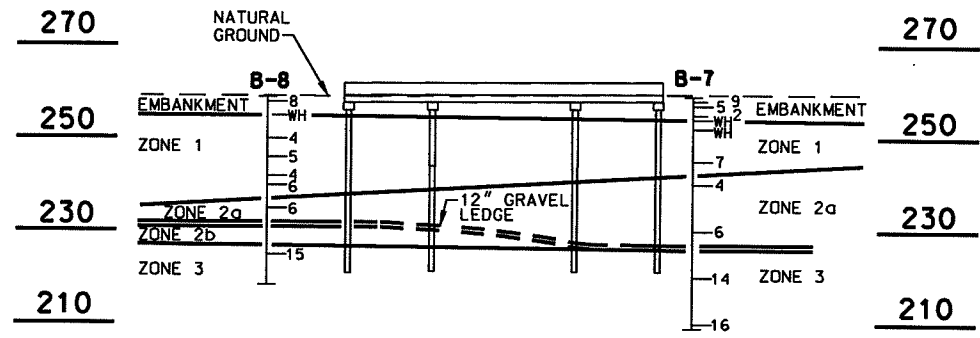
Bent No.	Elevation
1	243.71
2	228.60
3	228.60
4	243.71

CITY OF CLINTON	
CLINTON-TINNIN (ELEVATION & FOUNDATION PLAN)	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER B2 OF 7
COUNTY : HINDS	SHEET NUMBER 474
FILENAME:	
DESIGN TEAM URS CORP	CHECKED DATE

ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
001.00 ANPM DGNFT LENAME
MADDY



PLAN



PROFILE

SOIL STRENGTHS			
ZONE	C(psf)	ϕ	γ (pcf)
EMBANKMENT	750*	0	120*
1	0	34°*	128
2a	1000*	0	120*
2b	800	0	129
3	2900	0	113

* ASSIGNED

ZONE 1- ALLUVIUM (Ra)

1- Loose Dark Brown Clayey Sand and soft Clayey Silt

ZONE 2- FOREST HILL FORMATION (Of)

2a- Firm to Stiff Light Gray and Brown Clay and Silty Clay
2b- Firm Dark Gray Clay

ZONE 3- YAZOO FORMATION (Ej)

3- Hard Greenish Gray Clay

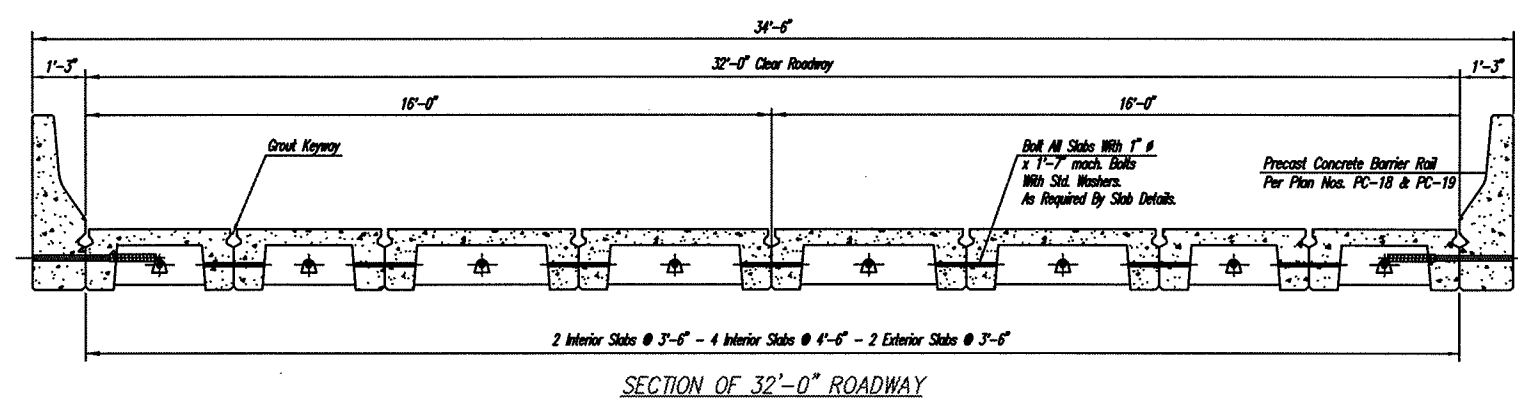
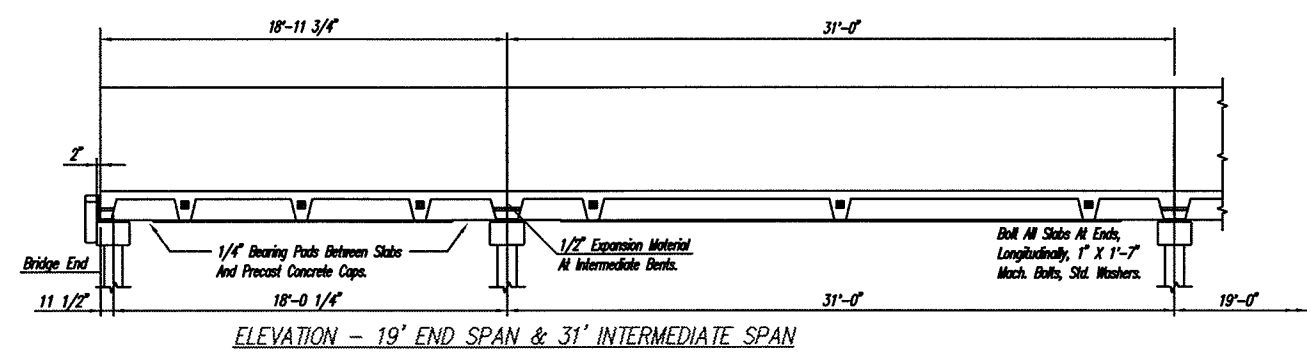
NOTICE TO CONTRACTOR:

1. THE GENERALIZED SOIL PROFILE SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THOMPSON ENGINEERING AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS. THE GEOTECHNICAL REPORT IS AVAILABLE FOR INSPECTION THROUGH THE GEOTECHNICAL BRANCH, MDOT.
2. SOUND ENGINEERING JUDGEMENT WAS EXERCIZED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS.
3. ALL STRUCTURAL AND GRADING DETAILS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

CITY OF CLINTON	
CLINTON-TINNIN GENERALIZED SOIL PROFILE	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER B3 OF 7
COUNTY : HINDS	SHEET NUMBER 475
FILENAME:	
DESIGN TEAM	URS CORP
CHECKED	DATE

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MOODY BBL 00 ANPM DONFI LEVANE

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)



GENERAL NOTES

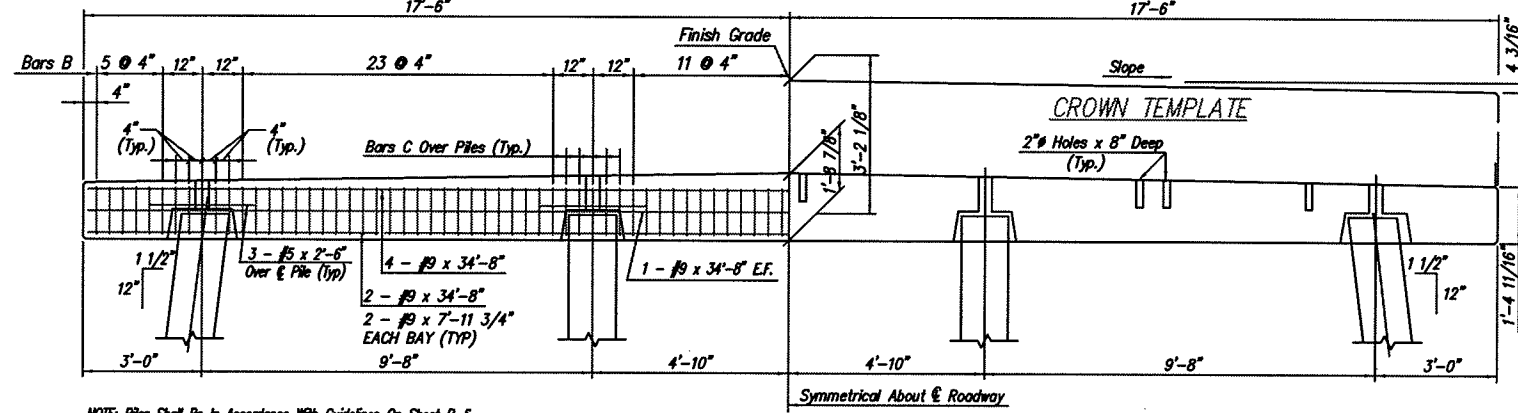
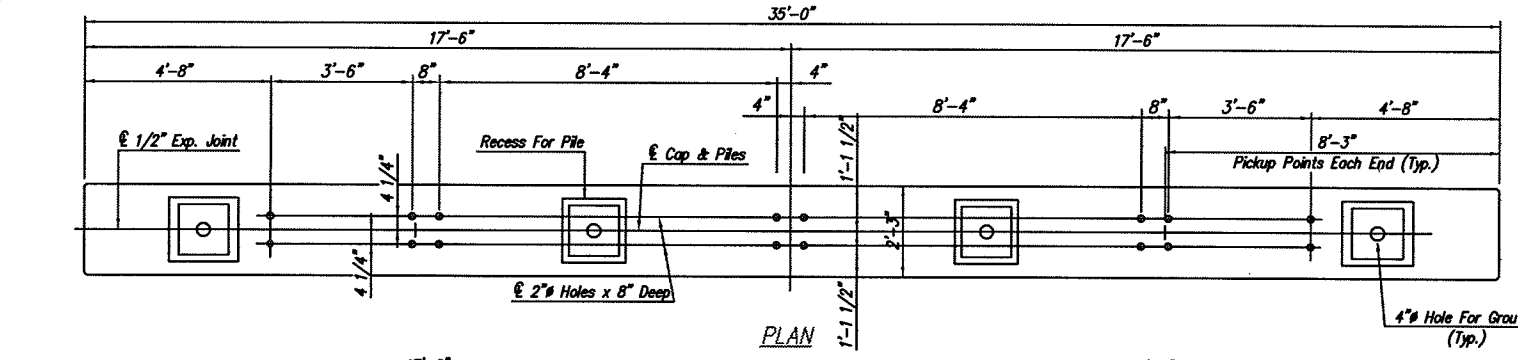
Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Units Shall Be Accurately Placed On Preset Caps With All Slab To Cap Dowels Installed And All Bolts, Transverse And Longitudinal, Installed Prior To Traffic Use, All Longitudinal Grout Keyways Shall Be Filled And Finished To Slab Surface With A 1:2:3 Mix. Maximum Size Aggregate Shall Be 3/8".
 Hardware Shall Be Galvanized Or Cadmium Plated.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.

DESIGN DATA:

Specifications: 2007 AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007
 Design Loading: HL-93
 $f_y = 60,000$ p.s.i.; $f_c = 4,500$ p.s.i.; $n = 7$

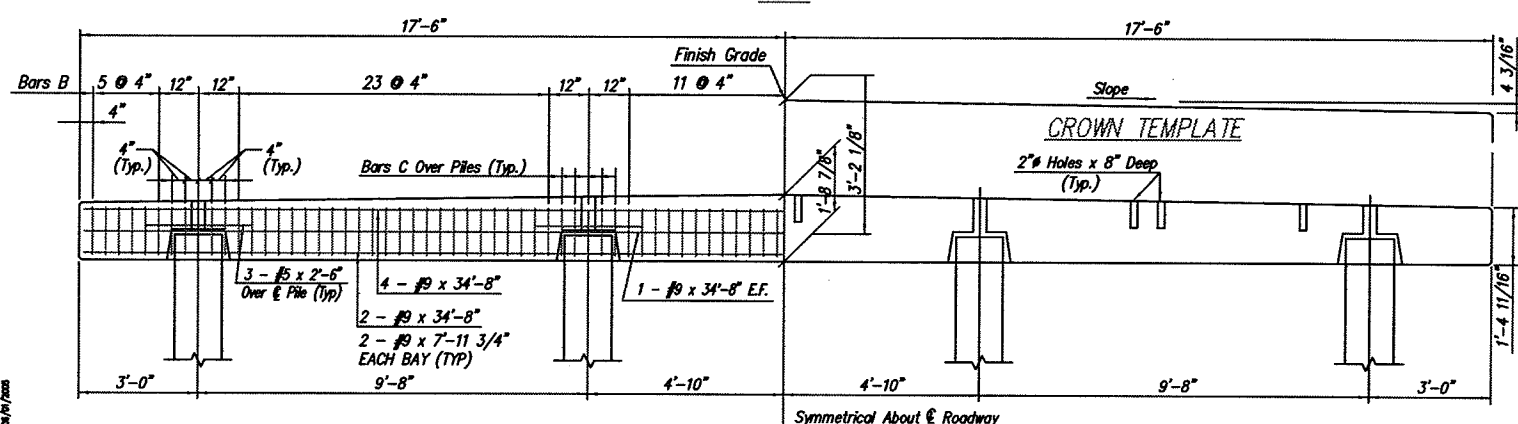
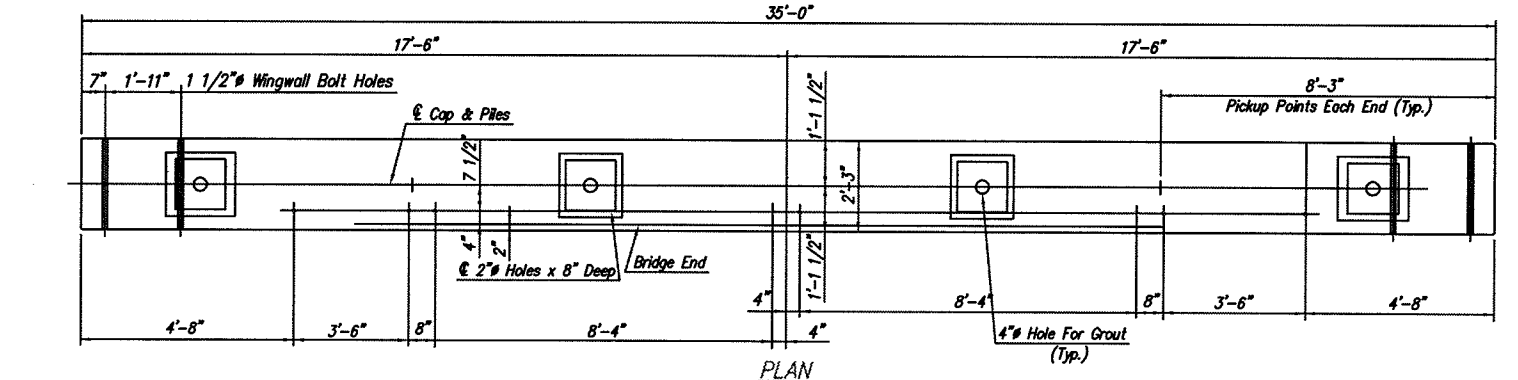
PC00000000 (N.S.), 06/01/2005

CITY OF CLINTON	
CLINTON-TINNIN 19' & 31' PRECAST CONCRETE SPANS	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER B4 OF 7
COUNTY: HINDS	SHEET NUMBER 476
FILENAME:	
DESIGN TEAM	URS CORP. CHECKED DATE

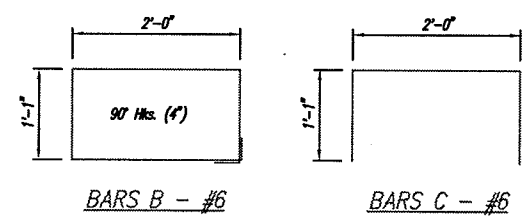
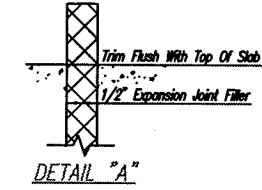
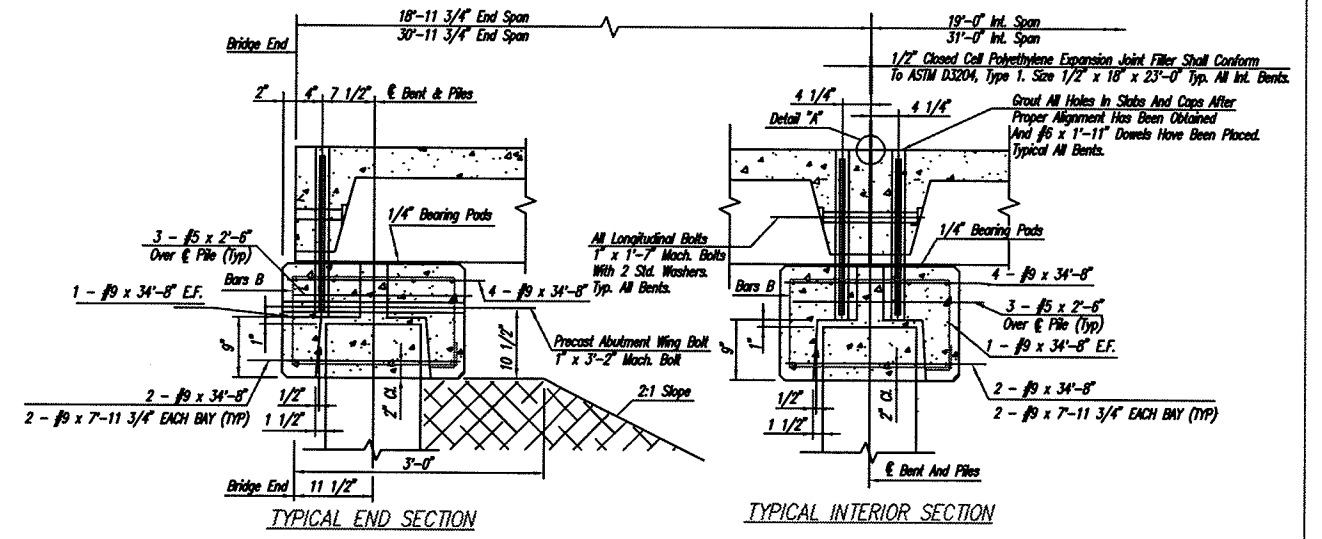


NOTE: Piles Shall Be In Accordance With Guidelines On Sheet B-6.

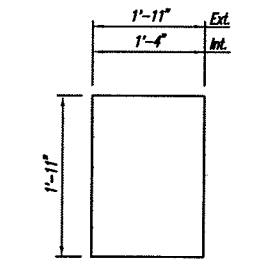
ELEVATION
INTERMEDIATE UNIT



ELEVATION
END UNIT



BAR BENDING DETAILS
Dimensions Are Out To Out



NEOPRENE BEARING PADS
See Plan No. B-7 For Details

After Caps Have Been Set To Proper Line And Grade, Recess Around Piles And 4" Holes Shall Be Completely Filled With Epoxy Type Grout Or Non Shrink Commercial Type Grout.

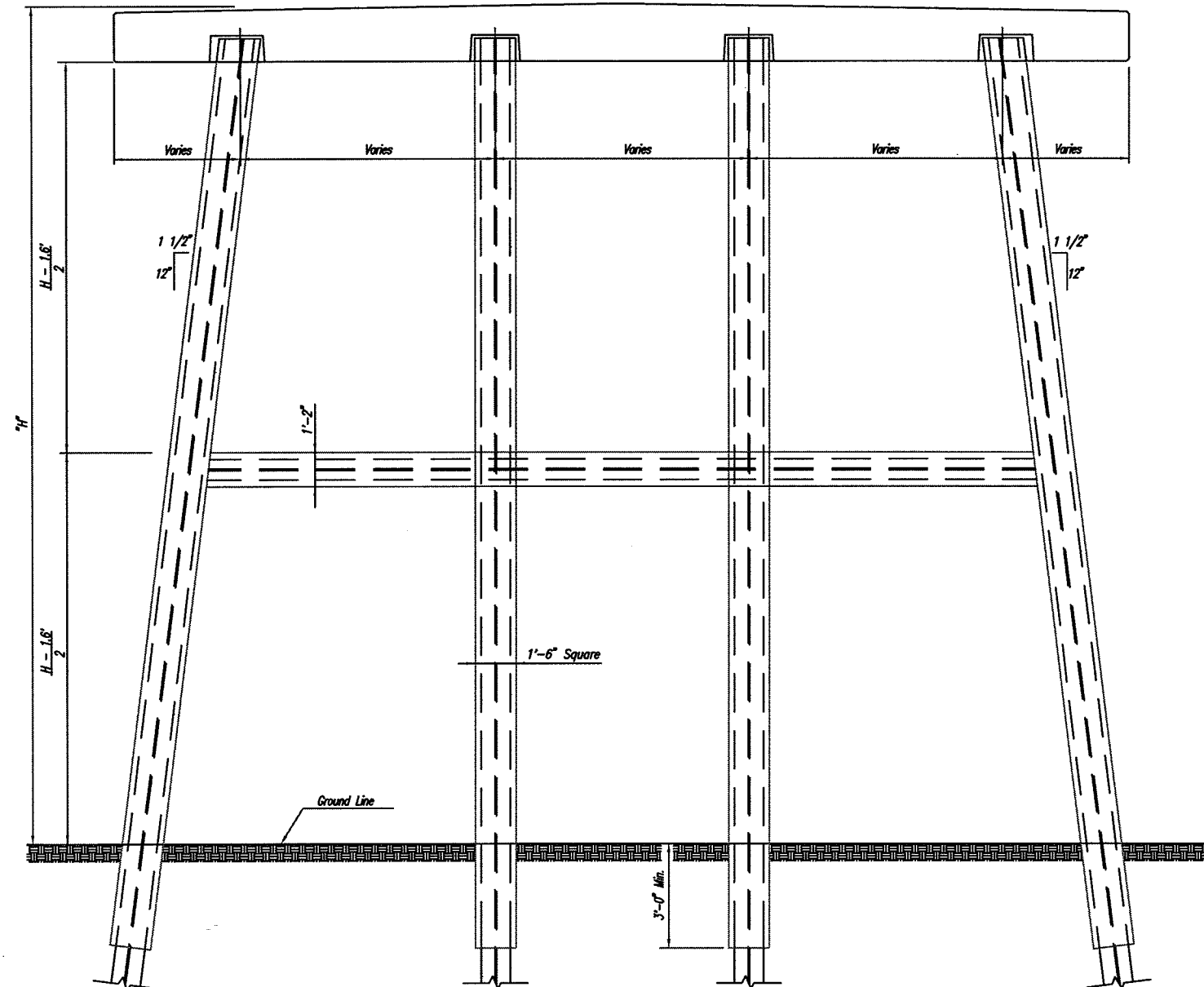
GENERAL NOTES

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
All Concrete Shall Obtain A Minimum Compressive Strength Of 3000 p.s.i. At 28 Days, And A Minimum Compressive Strength Of 2500 p.s.i. Before Caps Are Lifted From Forms.
All Concrete Edges Shall Be Chamfered 3/4".
Reinforcing Steel Shall Be Deformed Bars Conforming To A.S.T.M. A615 Grade 60. All Reinforcing Steel Shall Be Accurately Located In The Forms And Securely Held In Place By Means Of Steel Wire Supports.
Grout For Cap To Piling Connection Shall Be Non-Shrink Commercial Type Or Epoxy Type In Accordance With Section S-806.03.5
Handling And Placing Precast Caps, Slabs, Barrier Rail, And Wings" Of The Specifications.
Hardware Shall Be Galvanized Or Cadmium Plated.
A Variation Of More Than 1/4" In Dimensions Will Be Cause For Rejection Of The Unit.
All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
Wingwalls shall be per Mississippi Department of Transportation Office of State Aid Road Construction Standard PC-17.

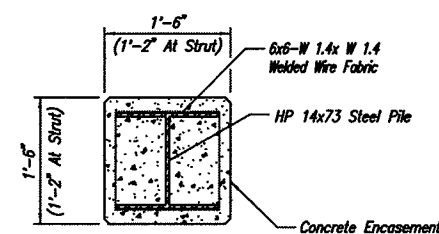
DESIGN DATA:

Specifications: A.A.S.H.T.O. LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, 2007
Design Loading: HL-93
f_y = 60,000 p.s.i. f_c = 3,000 p.s.i. n = 9

BY		CITY OF CLINTON	
REVISION		CLINTON-TINNIN PRECAST CONCRETE CAPS	
PROJECT NO.		STP-0025-00(033)	
COUNTY:		HINDS	
FILENAME:		WORKING NUMBER	
DESIGN TEAM		LRS CORP. CHECKED	
DATE		DATE	
		B5 OF 7	
		SHEET NUMBER	
		477	

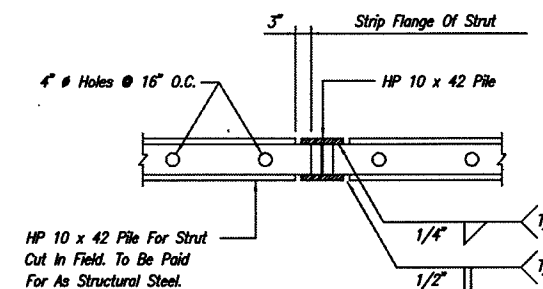


STEEL PILE ENCASEMENT AND STRUT DETAILS

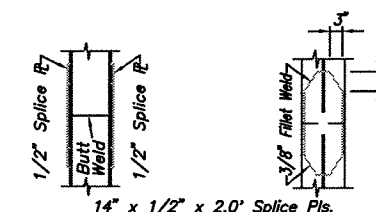


NOTE: Pile Encasement Shall Be Reinforced With 6x6-W 1.4x W 1.4 Welded Wire Fabric Weighing 0.21 Lbs. Per Sq. Ft. Which Will Be Paid For As Reinforcing Steel. Chamfer Corners Of Encasement 3/4".

PILE ENCASEMENT DETAIL



STRUT CONNECTION DETAIL



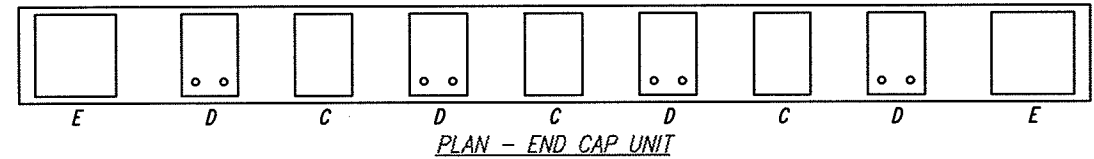
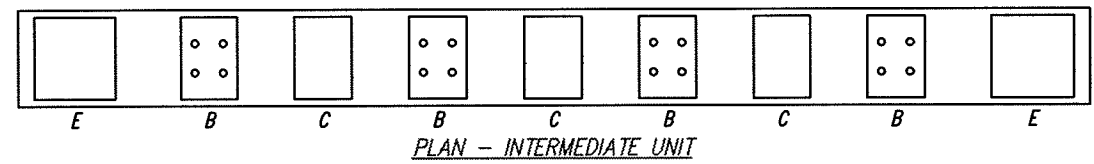
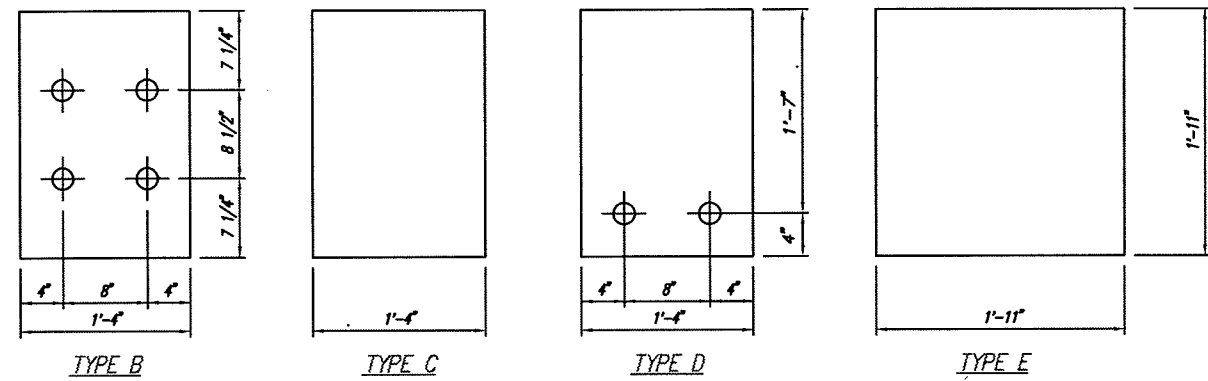
PILE SPLICE FOR HP14X73 STEEL PILE

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Welding Shall Be Done By The Electric Arc Process.
 When Practicable, All Piles Shall Be Driven Full Length And Shall Not Be Spliced Except By Authority Of The Engineer.
 Steel Piles Shall Be Paid For At The Contract Price Per Linear Foot Complete In Place And No Additional Payment Will Be Allowed For Excavation And De-Watering Incidental To Installation Of Pile Encasements.
 Pile Encasement And Strut Concrete Shall Be Paid For As Class "B" Concrete.
 Wire Mesh And Strut Reinforcement Will Be Paid For As Reinforcing Steel.
 All Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
 All Piles Shown In Plans Shall Conform To AASHTO M270 Grade 50.

CITY OF CLINTON	
CLINTON-TINNIN	
STEEL PILE ENCASEMENT AND STRUT	
DETAILS	
PROJECT NO.	STP-0025-00(033)
COUNTY:	HINDS
FILENAME:	
DESIGN TEAM	UNIS CORP
CHECKED	DATE
WORKING NUMBER	B6 OF 7
SHEET NUMBER	478

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)



NEOPRENE PAD PLACEMENT - 32' CLEAR ROADWAY

GENERAL NOTES:

Specifications:
 Hardness A.S.T.M. D2240 70 Durometer ±5
 Tensile Strength A.S.T.M. D412 2500
 Ultimate Elongation Minimum % 300
 All Holes Are 2 Inches In Diameter
 Thickness Of The Pads Shall Be 1/4" Unless Otherwise Designated On The Plans. Pads May Be Cut From Stock Using Appropriate Saw Or Shear, And Holes May Be Drilled. Pads Will Not Be Paid For Separately And Compensation Therefore Shall Be Considered Included In The Prices And Payment For Bid Items.

PC-18 PADS (N.T.S.) 09/01/2008

CITY OF CLINTON	
CLINTON-TINNIN BEARING PAD & PLACEMENT DETAILS	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER B7 OF 7
COUNTY: HINDS	SHEET NUMBER 479
DATE	FILENAME:
DESIGN TEAM URS CORP	CHECKED DATE

ESTIMATED QUANTITIES

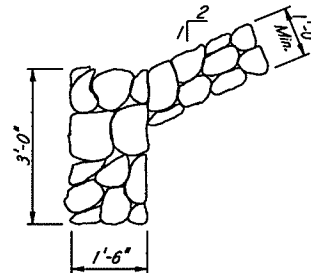
Item	PDA Test Piles	HP 14x73 Steel Piling	18" Dia. Preformed Pile Hole	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab Unit, 3.5' Interior, 30' Skew, RI Fwd Each	31' Precast Concrete Slab Unit, 3.5' Interior, 30' Skew, RI Fwd Each	19' Precast Concrete Slab Unit, 4.5' Interior, 30' Skew, RI Fwd Each	31' Precast Concrete Slab Unit, 4.5' Interior, 30' Skew, RI Fwd Each	19' Precast Concrete Slab Unit, 3.5' Exterior, 30' Skew, RI Fwd Each	31' Precast Concrete Slab Unit, 3.5' Exterior, 30' Skew, RI Fwd Each	Precast Concrete Barrier Rail	40' Precast Conc. Cap, Intermediate Unit, Steel Pile, 30" Skew, RI Fwd Each	40' Precast Conc. Cap, End Unit, Steel Pile, 30" Skew, RI Fwd Each	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap
Location	Each	L.F.	L.F.	C.Y.	LB.	Each	Each	Each	Each	Each	Each	L.F.	Each	Each	Each	LB	Ton	S.Y.
Spans						4	2	8	4	4	2	138						
End Bents		226	204											2	4		387	378
Int. Bents	1	410	138	8	144								2			2593		
Totals	1	636	342	8	144	4	2	8	4	4	2	138	2	2	4	2593	387	378

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Bridge Engineer. Minor Changes In Detail Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 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-94).
 Shop Drawings Of Precast Concrete Slab Spans, Including An Erection Plan, Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
 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.

PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Bridge Engineer May Authorize Test Piles Driven Outside The Structure Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be HP 14x73.
 When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
 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 AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
 Piles Shall Be Driven In An 18" Dia. Preformed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. Preformed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.



RIPRAP TOE DETAILS

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Req'd Ultimate Bearing (Tons)	Pile	Estimated Length	Pre-drilled Pile Hole Elevation	Tip Elevation
1	98	HP 14x73	28.4	230	228
2	133	HP 14x73	51.2	230	205
3	133	HP 14x73	51.1	230	205
4	98	HP 14x73	28.0	230	228

TEST PILE SCHEDULE

Bent No.	Min. Length (Feet)	Tip Elevation
2	52	205

SPECIAL PROVISIONS REQUIRED:

Concrete Bridges and Structures No. 907-804
 Precast Concrete Bridge Caps, Spans And Wings . . . No. 907-806-1

DRAINAGE DATA:

Drainage Area 2.07 sq. mi.
 Total Q25 (U.S.G.S.) . . . 1301 cfs
 Effective Area 382 sq. ft.

DESIGN DATA:

Specifications A.A.S.H.T.O., LRFD Bridge Specifications 4th Edition, 2007
 Design Loading HL-93
 Roadway Width 32'-0" Gutter To Gutter
 Concrete fy = 60,000 psi

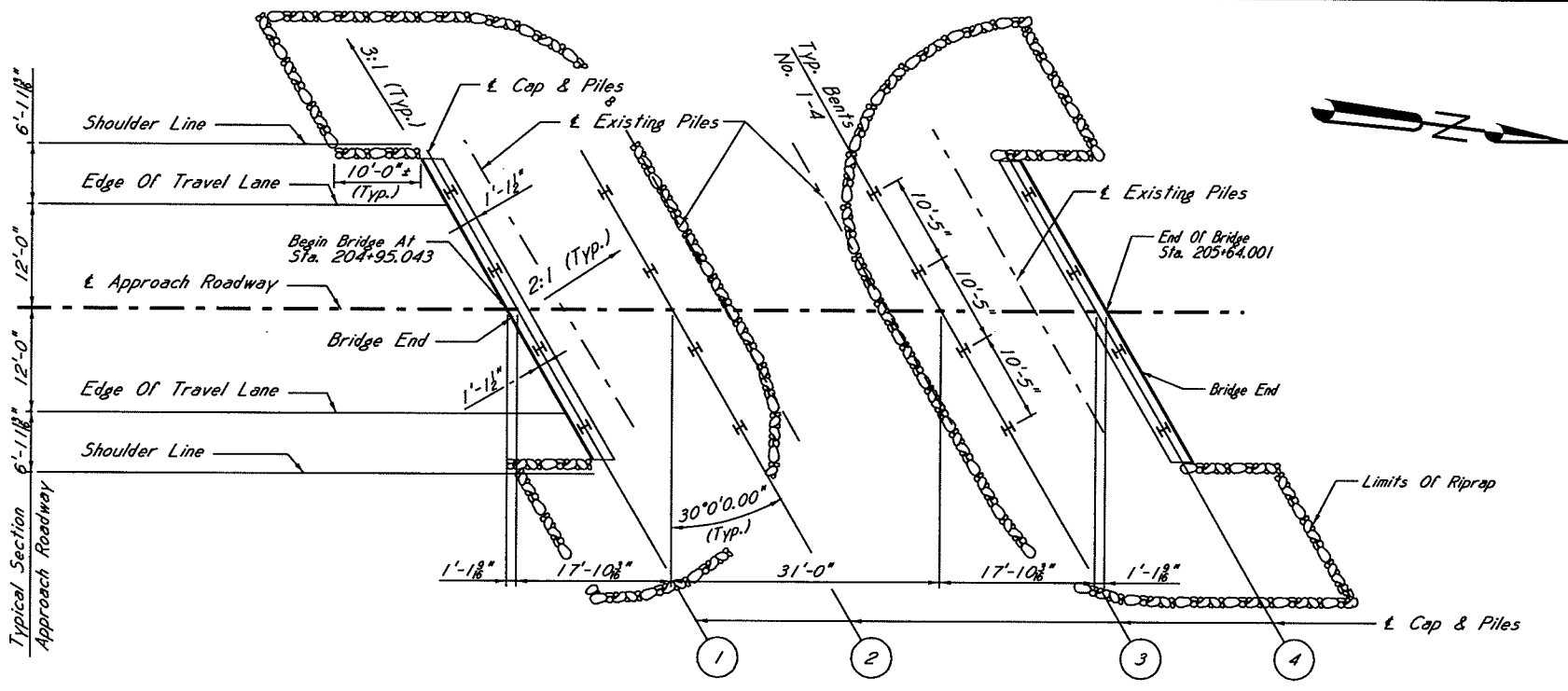
MISSISSIPPI DEPARTMENT OF TRANSPORTATION OFFICE OF STATE AID ROAD CONSTRUCTION LRFD STANDARD DRAWINGS REQUIRED:

- PC-24 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail 30 Skew
- PC-25 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail 30 skew
- PC-26 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways 30 skew
- PC-27 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways 30 skew
- PC-34 Precast Abutment Wingwall For Use With 19 ft. & 31 ft. Precast Concrete Spans 30 skew
- PC-18 19'-0" Solid Type Barrier Rail
- PC-19 31'-0" Solid Type Barrier Rail

BY		CITY OF CLINTON	
REVISION		MAGNOLIA (GENERAL NOTES)	
PROJECT NO.	STP-0025-00(033)	WORKING NUMBER	C1 OF 7
COUNTY :	HINDS	SHEET NUMBER	480
FILENAME:		DESIGN TEAM	URS CORP
DATE		CHECKED	DATE

PLAN REVIEW DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

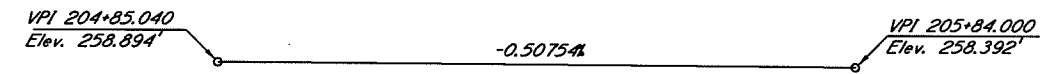
MODDY 08/08/AMPH DDN/FLNAME



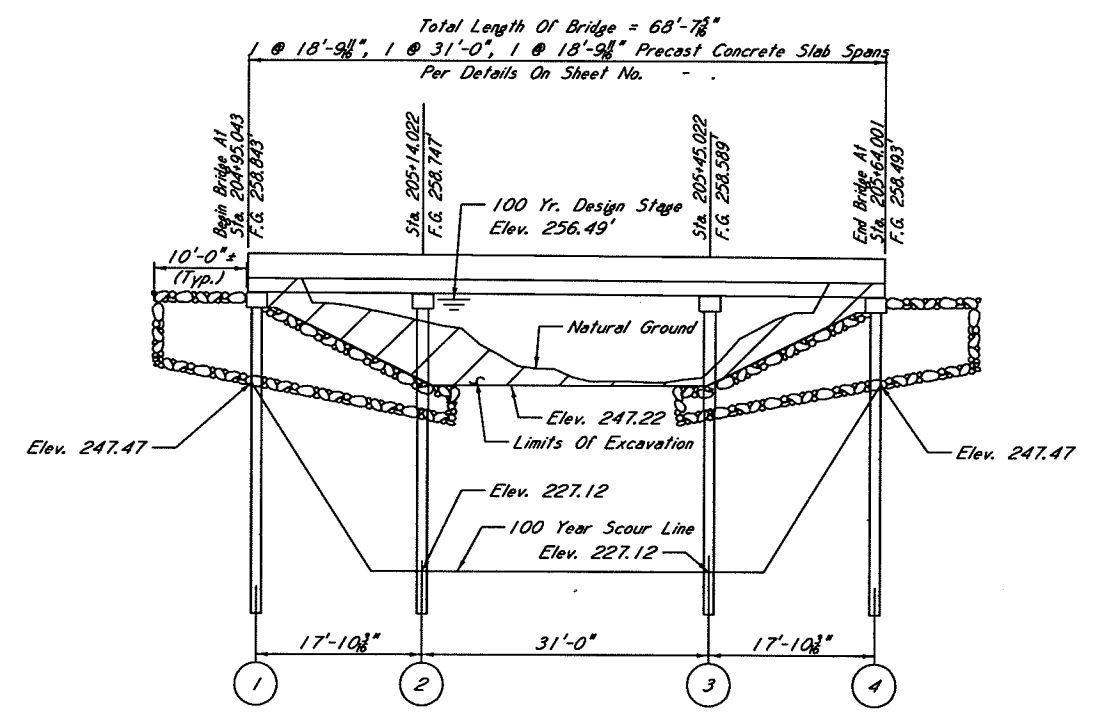
500 Year Scour Elevations

Bent No.	Elevation
1	245.27
2	223.42
3	223.42
4	245.27

FOUNDATION PLAN
Scale: 1"=10'



VERTICAL PROFILE



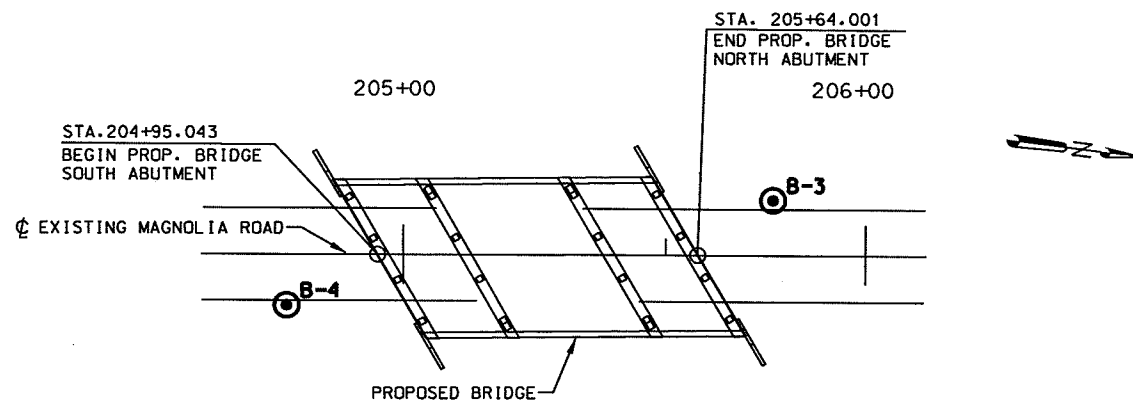
Steel Pile End Bents No. 1&4
Per Details On Sheets No. C5 & C6.
4 - HP 14x73 Steel Piles Per Bent.

Steel Pile Int. Bents No. 2&3
Per Details On Sheets No. C5 & C6.
4 - HP 14x73 Steel Piles Per Bent.

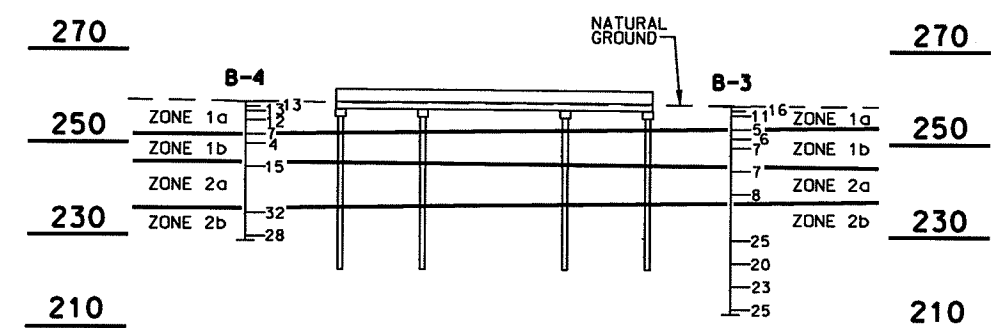
ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY
Scale: 1"=10'

CITY OF CLINTON	
MAGNOLIA (ELEVATION & FOUNDATION PLAN)	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER C2 OF 7
COUNTY : HINDS	SHEET NUMBER 481
FILENAME:	DESIGN TEAM LURS CORP CHECKED DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 MOODY
 001 00 ANPM DONFI LENAWE



PLAN



PROFILE

SOIL STRENGTHS			
ZONE	C(psf)	ϕ	γ (pcf)
1a	1700	0	128
1b	1500	0	125
2a	1500	0	113
2b	3200	0	115

ZONE 1 - ALLUVIUM (Ra)
 1a- Stiff to Very Stiff Dark Brown Silty Clay, Trace Gravel
 1b- Firm to Stiff Dark Brown Silty Clay

ZONE 2- YAZOO FORMATION (Ej)
 2a- Stiff to Very Stiff Light Yellow and Brown Clay
 2b- Hard Greenish Gray to Blue Fossiliferous Clay

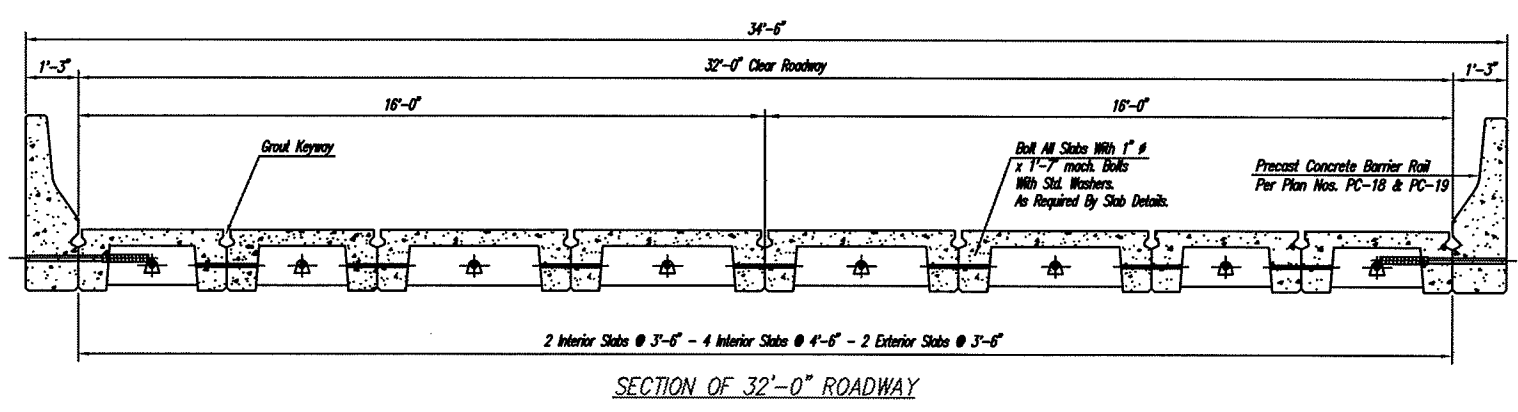
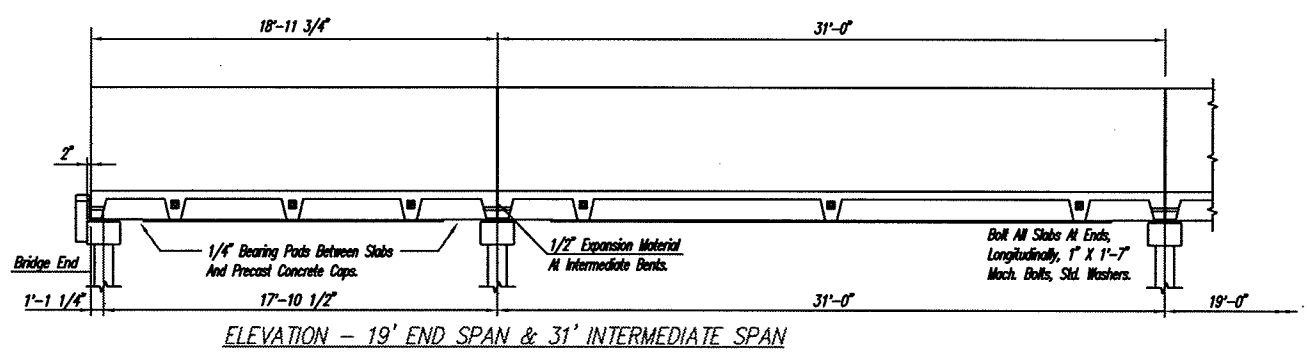
NOTICE TO CONTRACTOR:

1. THE GENERALIZED SOIL PROFILE SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THOMPSON ENGINEERING AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS. THE GEOTECHNICAL REPORT IS AVAILABLE FOR INSPECTION THROUGH THE GEOTECHNICAL BRANCH, MDOT.
2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS.
3. ALL STRUCTURAL AND GRADING DETAILS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

BY		CITY OF CLINTON	
REVISION		MAGNOLIA GENERALIZED SOIL PROFILE	
DATE		PROJECT NO. STP-0025-00(033)	WORKING NUMBER
DESIGN TEAM		COUNTY : HINDS	C3 of 7
URS CORP		FILENAME:	SHEET NUMBER
CHECKED		DATE	482

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 08/18/2009 12:11:13 PM
 MDDYY 08/18/2009 12:11:13 PM DONI LENA

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)

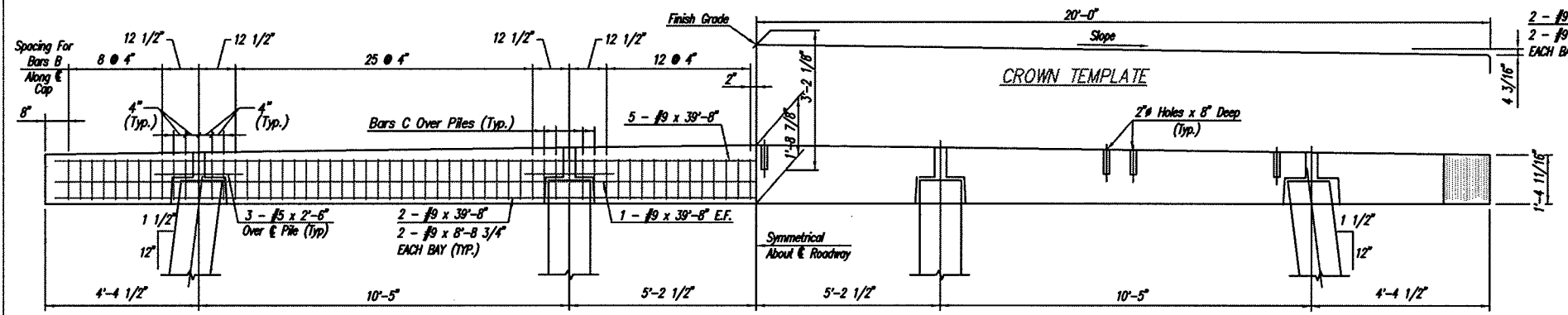
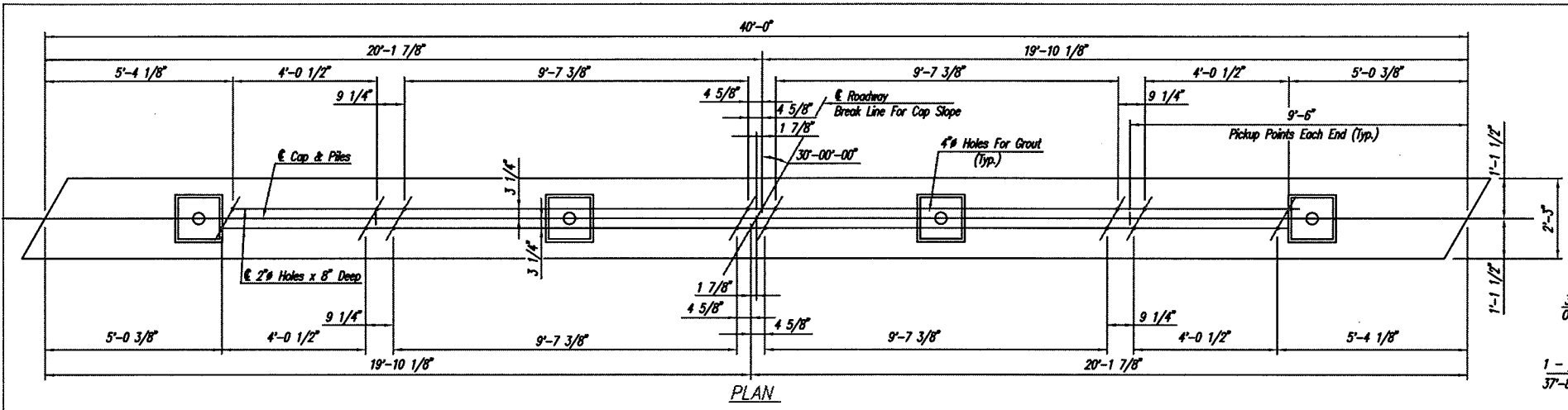


GENERAL NOTES
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Units Shall Be Accurately Placed On Preset Caps With All Slab To Cap DOWELS Installed And All Bolts, Transverse And Longitudinal, Installed. Prior To Traffic Use, All Longitudinal Grout Keyways Shall Be Filled And Finished To Slab Surface With A 1:2:3 Mix. Maximum Size Aggregate Shall Be 3/8".
 Hardware Shall Be Galvanized Or Cadmium Plated.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Considered Included In The Prices And Payments For Bid Items.

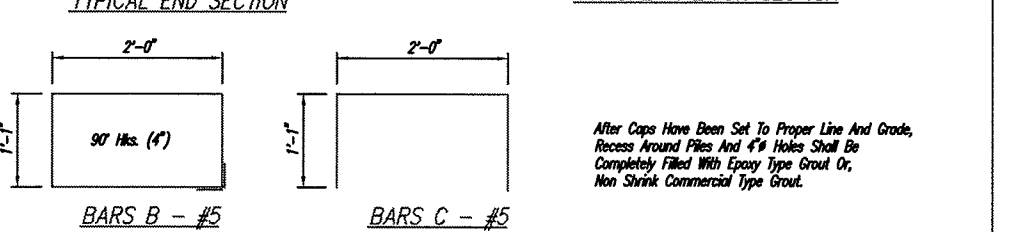
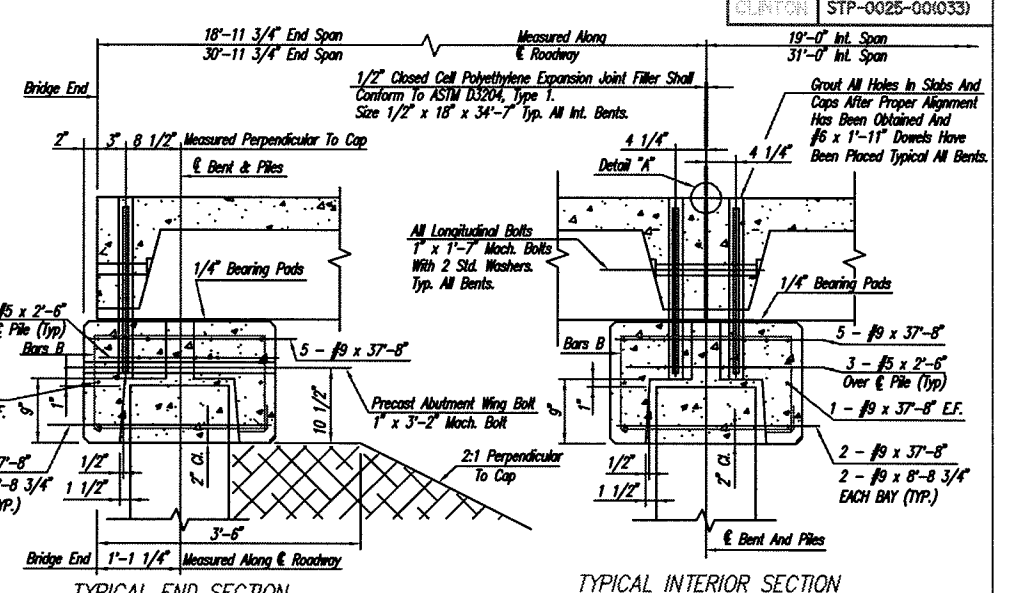
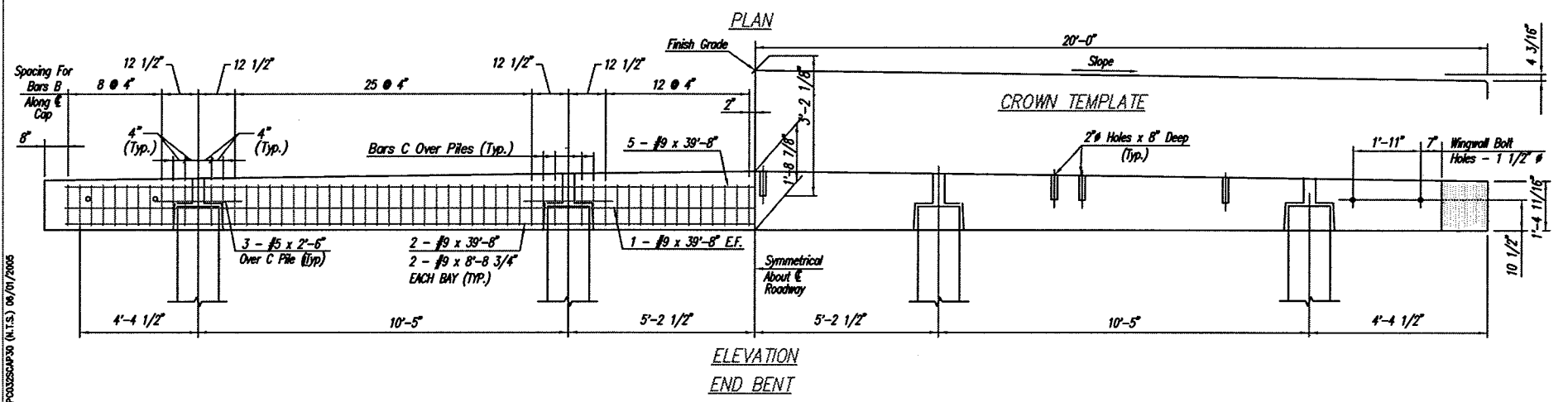
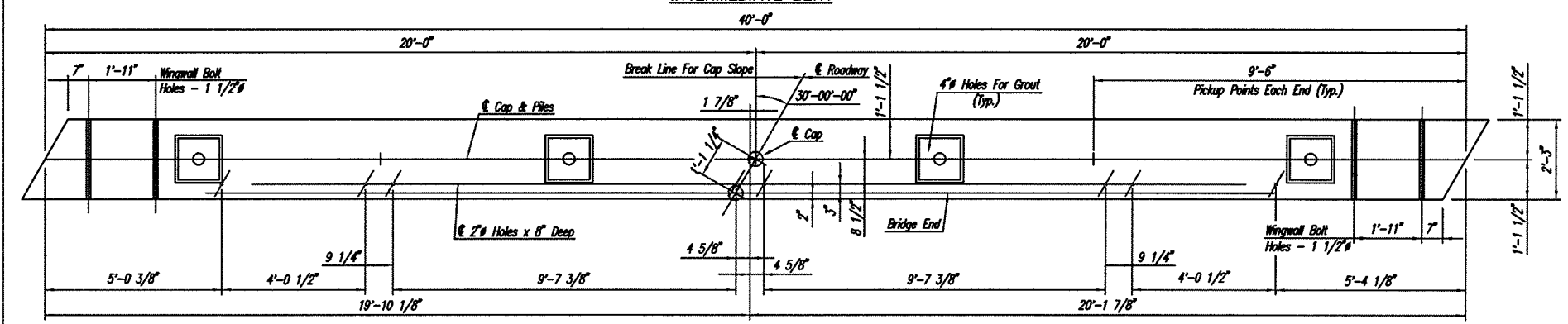
DESIGN DATA:
 Specifications:.....2007 MASHTO LRFD
 Bridge Design
 Specifications, 4th Edition, 2007
 Design Loading:.....HL-93
 fy = 60,000 p.s.i.; Fc = 4,500 p.s.i.; n = 7

P021765230 (N.T.S.) 06/01/2008

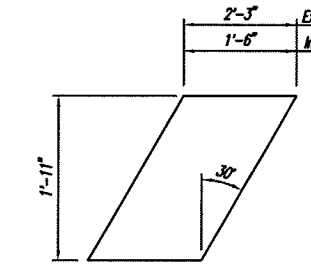
CITY OF CLINTON	
MAGNOLIA 19' & 31' PRECAST CONCRETE SPANS	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER C4 OF 7
COUNTY: HINDS	SHEET NUMBER 483
FILENAME:	
DESIGN TEAM	LYRS CORP
CHECKED	DATE



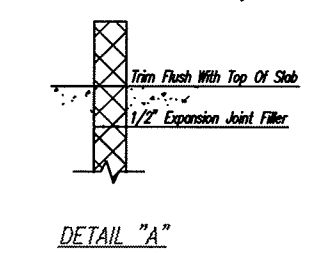
NOTE: Piles Shall Be In Accordance With Guidelines On Sheet C6.



BAR BENDING DETAILS
Dimensions Are Out To Out



NEOPRENE BEARING PADS
See Plan No. C7 For Details
NOTE: Right Forward Skew Detailed, Left Forward Skew Same By Orientation.



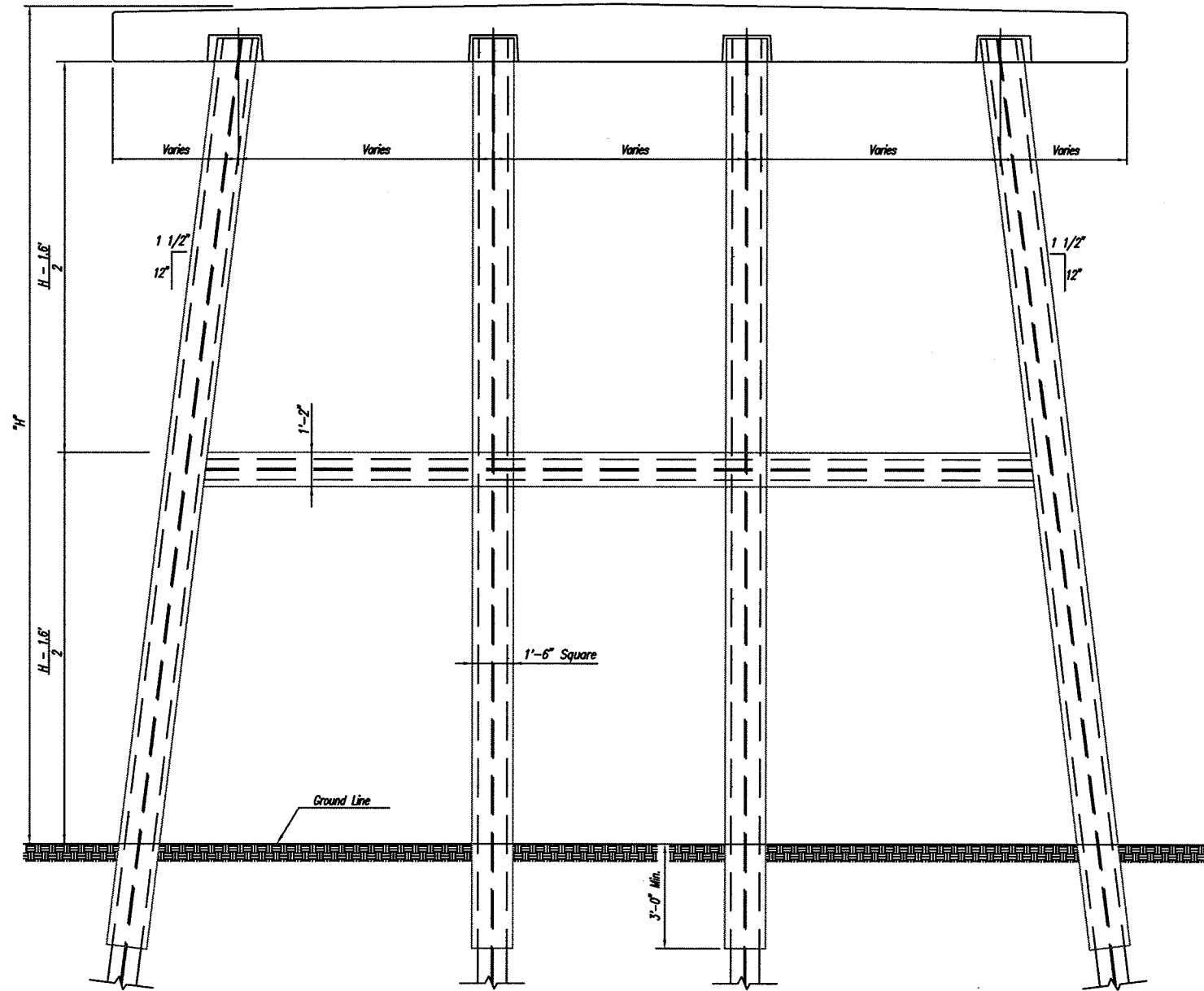
DETAIL "A"

GENERAL NOTES
Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
All Concrete Shall Obtain A Minimum Compressive Strength Of 3000 p.s.i. At 28 Days, And Obtain A Minimum Compressive Strength Of 2500 p.s.i. Before Caps Are Lifted From Forms.
All Concrete Edges Shall Be Chartered 3/4".
Reinforcing Steel Shall Be Deformed Bars Conforming To A.S.T.M. A615 Grade 60. All Reinforcing Steel Shall Be Accurately Located In The Forms And Securely Held In Place By Means Of Steel Wire Supports.
Grout For Cap To Piling Connection Shall Be Non-Shrink Commercial Type Or Epoxy Type In Accordance With Section S-806.03.5
Handling And Placing Precast Caps, Slabs, Barrier Rail, And Wings" Of The Specifications.
Hardware Shall Be Galvanized Or Cadmium Plated.
A Variation Of More Than 1/4" In Dimensions Will Be Cause For Rejection Of The Unit.
All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
Wingwalls Shall Be Per Mississippi Department Of Transportation Office Of State Aid Road Construction Standard PC-34.

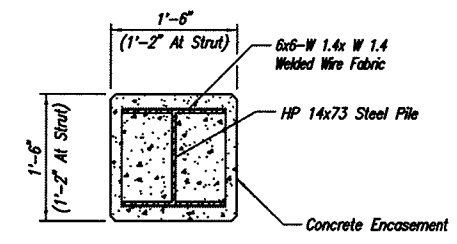
DESIGN DATA:
Specifications: 2007 AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007
Design Loading: HL-93
fy = 60,000 p.s.i.; fc = 3,000 p.s.i.; n = 9

BY		CITY OF CLINTON	
REVISION		MAGNOLIA PRECAST CONCRETE CAPS	
PROJECT NO.	STP-0025-00(033)	WORKING NUMBER	C5 OF 7
COUNTY:	HINDS	SHEET NUMBER	484
FILENAME:			
DESIGN TEAM	URS CORP.	CHECKED	DATE

PROCESSING (N.T.S.) 06/07/2005

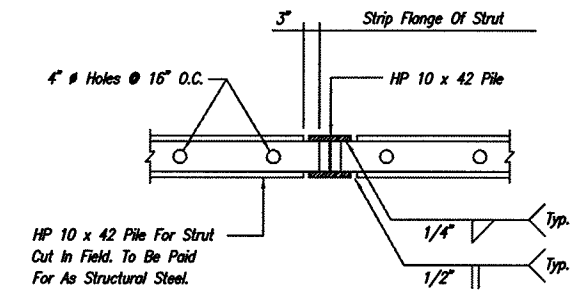


STEEL PILE ENCASEMENT AND STRUT DETAILS

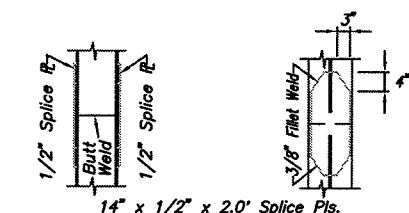


NOTE: Pile Encasement Shall Be Reinforced With 6x6-W 1.4x W 1.4 Welded Wire Fabric Weighing 0.21 Lbs. Per Sq. Ft. Which Will Be Paid For As Reinforcing Steel. Chamfer Corners Of Encasement 3/4".

PILE ENCASEMENT DETAIL



STRUT CONNECTION DETAIL

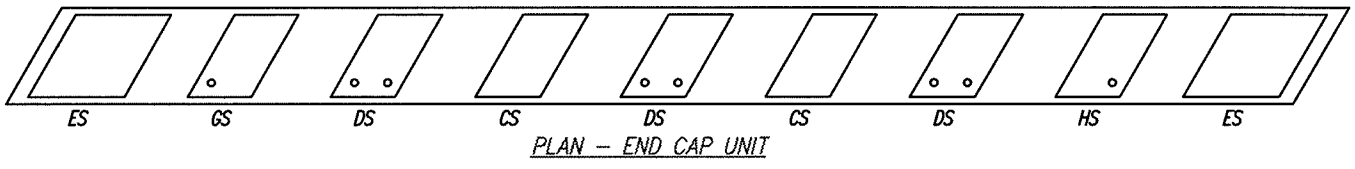
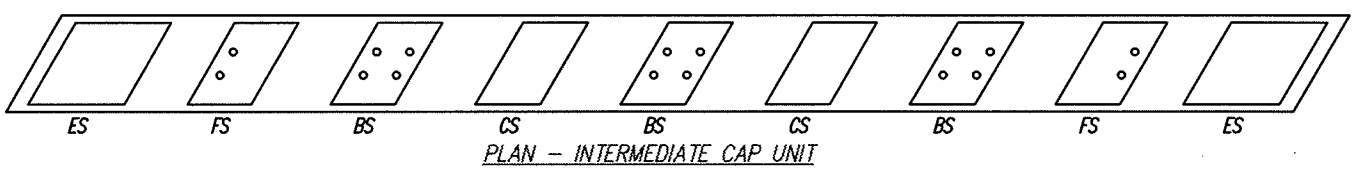
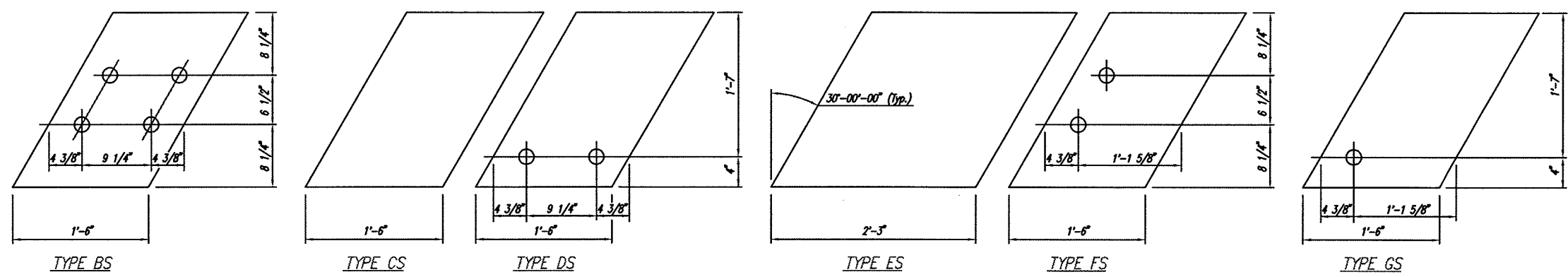


PILE SPLICE FOR HP14X73 STEEL PILE

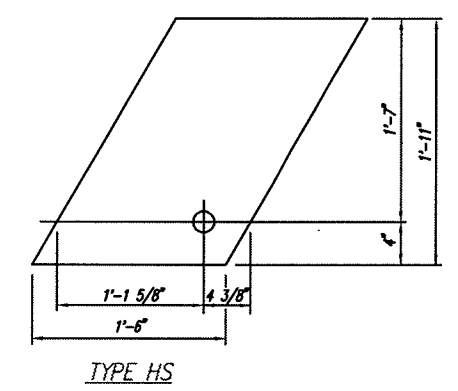
GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Welding Shall Be Done By The Electric Arc Process.
 When Practicable, All Piles Shall Be Driven Full Length And Shall Not Be Spliced Except By Authority Of The Engineer.
 Steel Piles Shall Be Paid For At The Contract Price Per Linear Foot Complete In Place And No Additional Payment Will Be Allowed For Excavation And De-Watering Incidental To Installation Of Pile Encasements.
 Pile Encasement And Strut Concrete Shall Be Paid For As Class "B" Concrete.
 Wire Mesh And Strut Reinforcement Will Be Paid For As Reinforcing Steel.
 All Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
 All Piles Shown In Plans Shall Conform To AASHTO M270 Grade 50.

BY		CITY OF CLINTON	
REVISION		MAGNOLIA	
		STEEL PILE ENCASEMENT AND STRUT	
		DETAILS	
PROJECT NO.		STP-0025-00(033)	
COUNTY:		HINDS	
FILENAME:		WORKING NUMBER	
DATE		C6 OF 7	
DESIGN TEAM		SHEET NUMBER	
LWS CORP		485	
CHECKED			
DATE			



NEOPRENE PAD PLACEMENT - 32' CLEAR ROADWAY



GENERAL NOTES:

Specifications:
 Hardness A.S.T.M. D2240 70 Durometer ±5
 Tensile Strength A.S.T.M. D412 2500
 Ultimate Elongation Minimum % 300
 All Holes Are 2 Inches In Diameter
 Thickness Of The Pads Shall Be 1/4" Unless Otherwise Designated On The Plans. Pads May Be Cut From Stock Using Appropriate Saw Or Shear, And Holes May Be Drilled. Pads Will Not Be Paid For Separately And Compensation Therefore Shall Be Considered Included In The Prices And Payment For Bid Items.

BY		CITY OF CLINTON	
REVISION		MAGNOLIA	
		STEEL PILE ENCASEMENT AND STRUT	
		DETAILS	
DATE		PROJECT NO. STP-0025-00(033)	WORKING NUMBER
DESIGN TEAM URS CORP		COUNTY: HINDS	CT OF 7
CHECKED		FILENAME:	SHEET NUMBER
DATE			486

ESTIMATED QUANTITIES

Item	Test Piles	Conventional Static Pile Load Test	HP 14x73 Steel Piling	18" Dia. Preformed Pile Hole	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab Unit, 3.5' Interior	31' Precast Concrete Slab Unit, 3.5' Interior	19' Precast Concrete Slab Unit, 4.5' Interior	31' Precast Concrete Slab Unit, 4.5' Interior	19' Precast Concrete Slab Unit, 3.5' Exterior	31' Precast Concrete Slab Unit, 3.5' Exterior	Precast Concrete Barrier Rail	35' Precast Concrete Cap, Intermediate Unit, Steel Pile	35' Precast Concrete Cap, End Unit, Steel Pile	Precast Concrete Wiggwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap	
Location	Each	Each	L.F.	L.F.	C.Y.	LB.	Each	Each	Each	Each	Each	Each	L.F.	Each	Each	Each	LB	Ton	S.Y.	
Spans	1	1					4	2	8	4	4	2	138							
End Bents			371	198											2	4			407	416
Int. Bents			747	102	9	169								2			2444			
Totals	1	1	1118	300	9	169	4	2	8	4	4	2	138	2	2	4	2444	407	416	

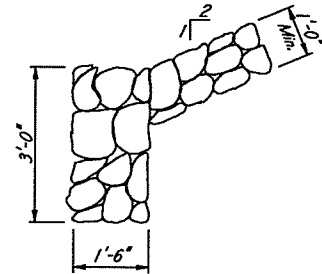
GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Bridge Engineer. Minor Changes In Detail Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 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 318R-94).
 Shop Drawings Of Precast Concrete Slab Spans, Including An Erection Plan, Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
 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.

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Req'd Ultimate Bearing (Tons)	Pile	Estimated Length *	Pre-drilled Pile Hole Elevation *	Tip Elevation *
1	97	HP 14x73	46.4	228	207
2	136	HP 14x73	93.4	228	160
3	136	HP 14x73	93.4	228	160
4	97	HP 14x73	46.4	228	207

* Length And Elevation To Be Determined In The Field, Based On An Out Of Location Test Pile Driven To Elevation 200, To Be Statically Load Tested 7 Days Later.



RIPRAP TOE DETAILS

TEST PILE SCHEDULE

Bent No.	Min. Length (Feet)	Tip Elevation
Offsite	56	200

PILE NOTES:

Test Piles Shall Be Driven Outside The Structure Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be HP 14x73.
 When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
 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 AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
 Piles Shall Be Driven In An 18" Dia. Preformed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. Preformed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.

SPECIAL PROVISIONS REQUIRED:

Concrete Bridges and Structures No. 907-804
 Precast Concrete Bridge Caps, Spans And Wings . . . No. 907-806-1

DRAINAGE DATA:

Drainage Area 9.14 sq. mi.
 Total 025 (U.S.G.S.) . . . 3108 cfs
 Effective Area 528 sq. ft.

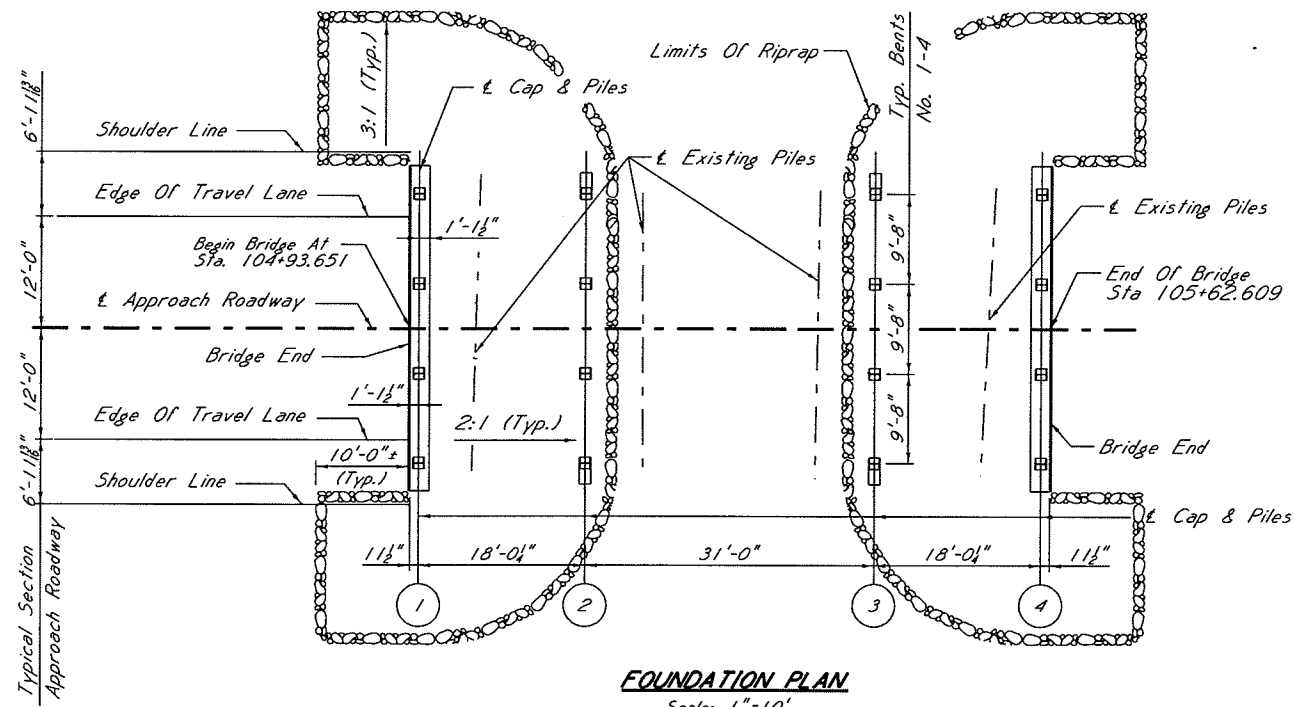
DESIGN DATA:

Specifications A.A.S.H.T.O., LRFD Bridge Specifications 4th Edition, 2007
 Design Loading HL-93
 Roadway Width 32'-0" Gutter To Gutter
 Concrete $f_c = 60,000$ psi

MISSISSIPPI DEPARTMENT OF TRANSPORTATION OFFICE OF STATE AID ROAD CONSTRUCTION LRFD STANDARD DRAWINGS REQUIRED:

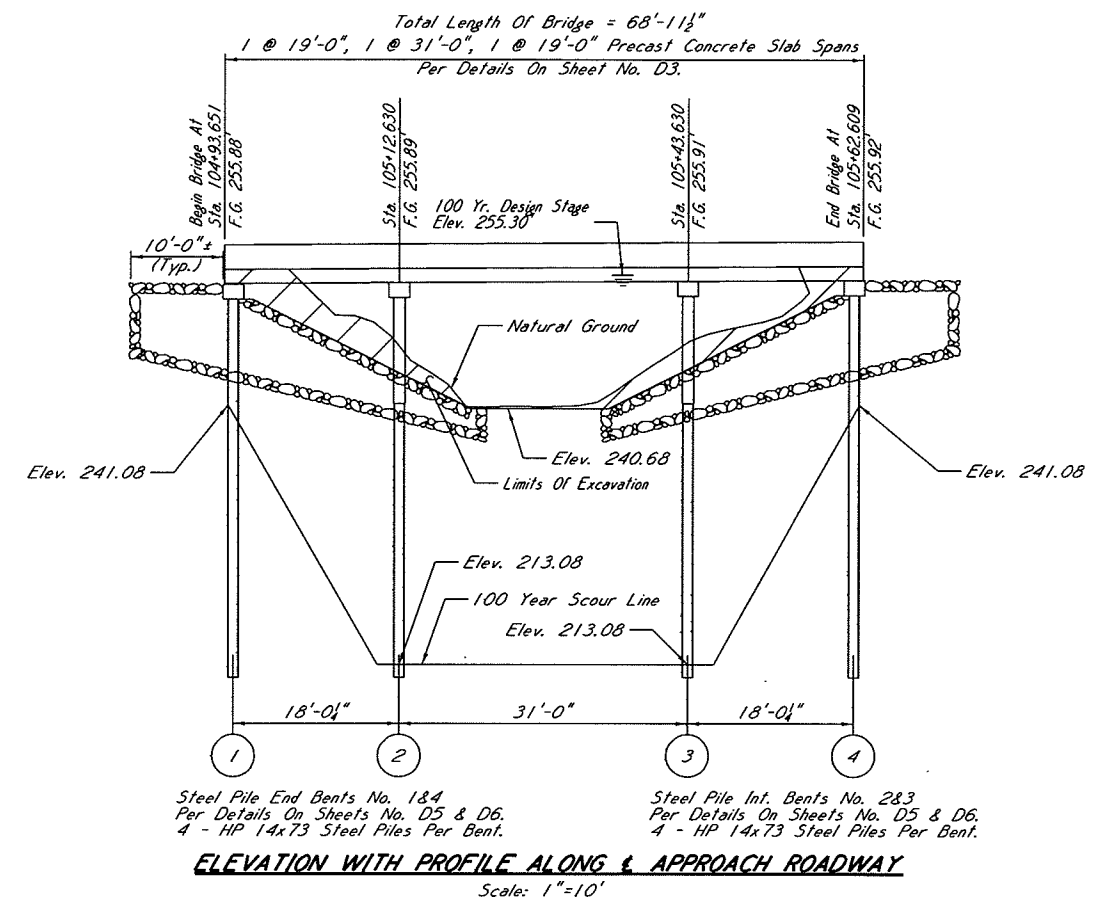
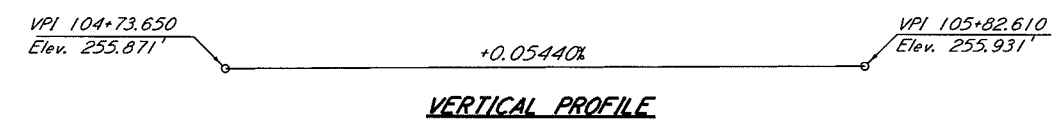
- PC-5 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-6 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-7 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-8 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-17 Precast Abutment Wiggwall For Use With 19 ft. & 31 ft. Precast Concrete Spans
- PC-18 19'-0" Solid Type Barrier Rail
- PC-19 31'-0" Solid Type Barrier Rail

BY		CITY OF CLINTON	
REVISION		McRAVEN (GENERAL NOTES)	
PROJECT NO. STP-0025-00(033)		WORKING NUMBER	
COUNTY : HINDS		D1 OF 7	
FILENAME:		SHEET NUMBER	
DESIGN TEAM		487	
DATE	URS CORP	CHECKED	DATE



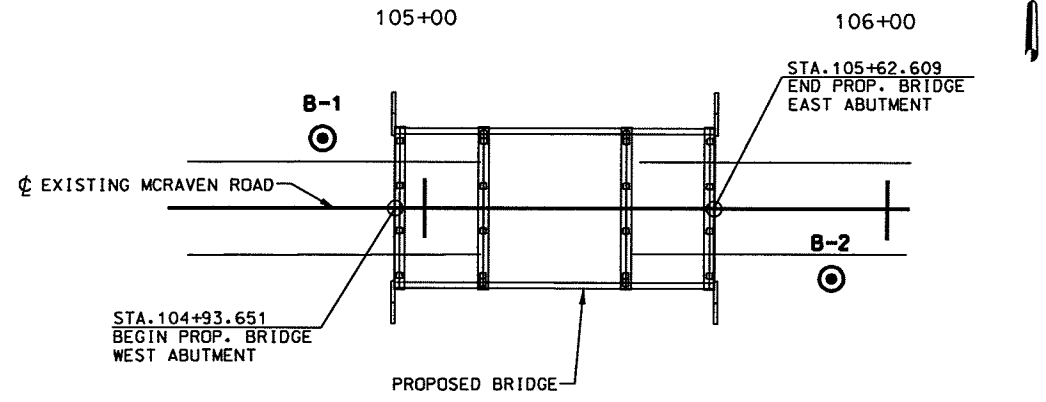
500 Year Scour Elevations

Bent No.	Elevation
1	239.18
2	216.18
3	216.18
4	239.18

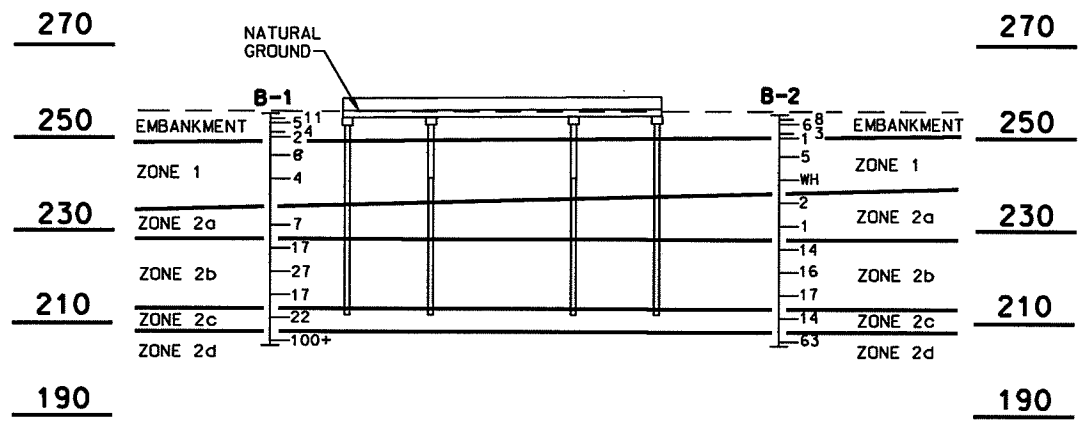


CITY OF CLINTON		WORKING NUMBER
McRAVEN (ELEVATION & FOUNDATION PLAN)		D2 OF 7
PROJECT NO. STP-0025-00(033)		SHEET NUMBER
COUNTY : HINDS		488
DATE	FILENAME:	
DESIGN TEAM	URS CORP	CHECKED
		DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 001.00 ANPM DGNFL ENAME
 HWCDDYY
 McRaven D-2.dgn 8/17/2009 3:39:34 PM



PLAN



PROFILE

SOIL STRENGTHS			
ZONE	C(psf)	ϕ	γ (pcf)
EMBANKMENT	750*	0	120*
1	1000	0	130
2a	0	34°*	120*
2b	0	36°*	120*
2c	2000	0	120*
2d	0	38°*	120*

* ASSIGNED

ZONE 1- ALLUVIUM (Ra)

1- Firm to Stiff Brown to Yellowish Brown Sandy Clay

ZONE 2- VICKSBURG GROUP (Ov)

2a- Alternating Layers of Greenish Gray Loose Sandy, Clayey, Silt and Firm Sandy Clay

2b- Medium Dense Greenish Gray Fossiliferous Silty Fine Sand

2c- Stiff Dark Gray Fossiliferous Silty, Sandy Clay

2d- Very Dense Dark Gray Fossiliferous Clayey Fine Sand

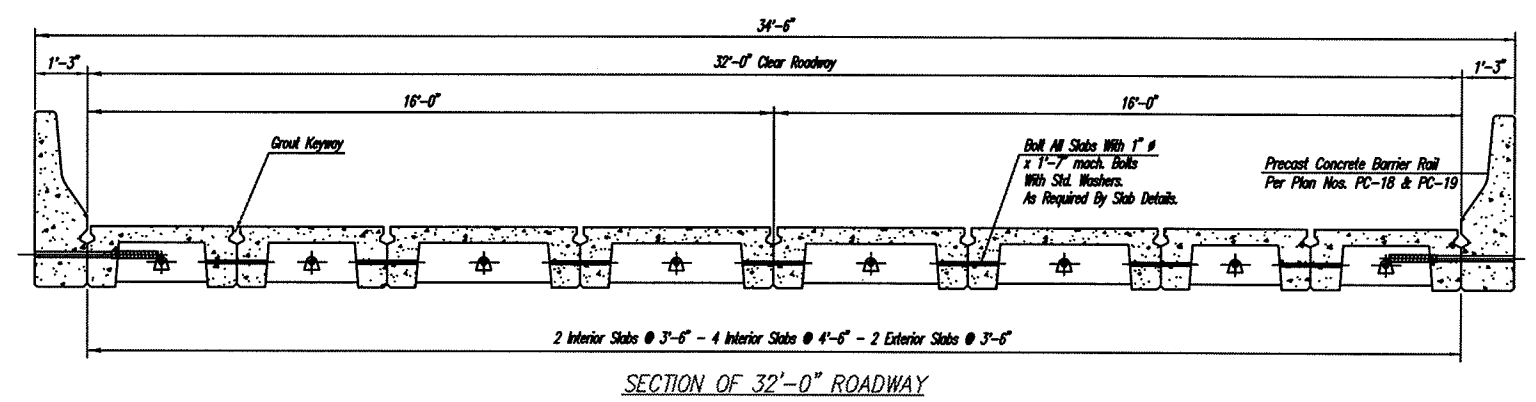
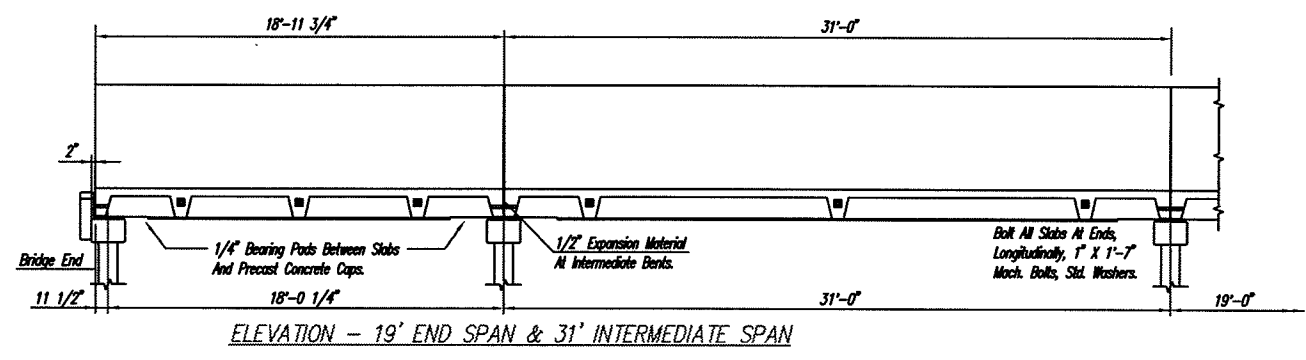
NOTICE TO CONTRACTOR:

1. THE GENERALIZED SOIL PROFILE SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THOMPSON ENGINEERING AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS. THE GEOTECHNICAL REPORT IS AVAILABLE FOR INSPECTION THROUGH THE GEOTECHNICAL BRANCH, MDOT.
2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDOT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDOT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION. INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS.
3. ALL STRUCTURAL AND GRADING DETAILS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

CITY OF CLINTON	
McRAVEN GENERALIZED SOIL PROFILE	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER
COUNTY : HINDS	D3 of 7
FILENAME:	SHEET NUMBER
DESIGN TEAM URS CORP	489
CHECKED	DATE

MODY: 08/18/09 08:45:43 AM P.M. DGN FILE NAME: BRANCH: PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)



GENERAL NOTES

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Units Shall Be Accurately Placed On Preset Caps With All Slab To Cap Dowels Installed And All Bolts, Transverse And Longitudinal, Installed.
 Prior To Traffic Use, All Longitudinal Grout Keyways Shall Be Filled And Finished To Slab Surface With A 1:2:3 Max. Maximum Size Aggregate Shall Be 3/8".
 Hardware Shall Be Galvanized Or Cadmium Plated.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.

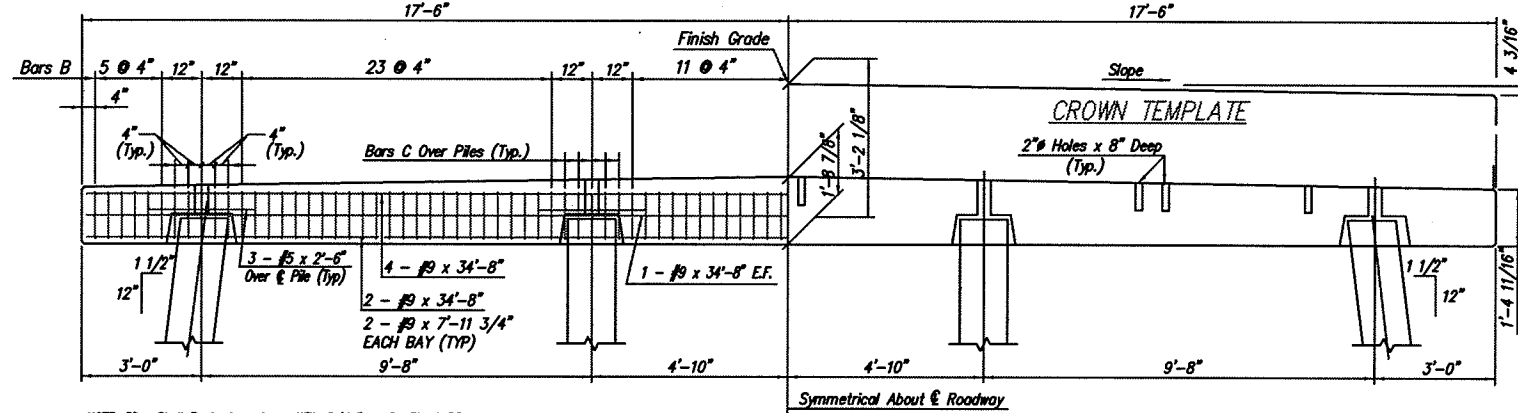
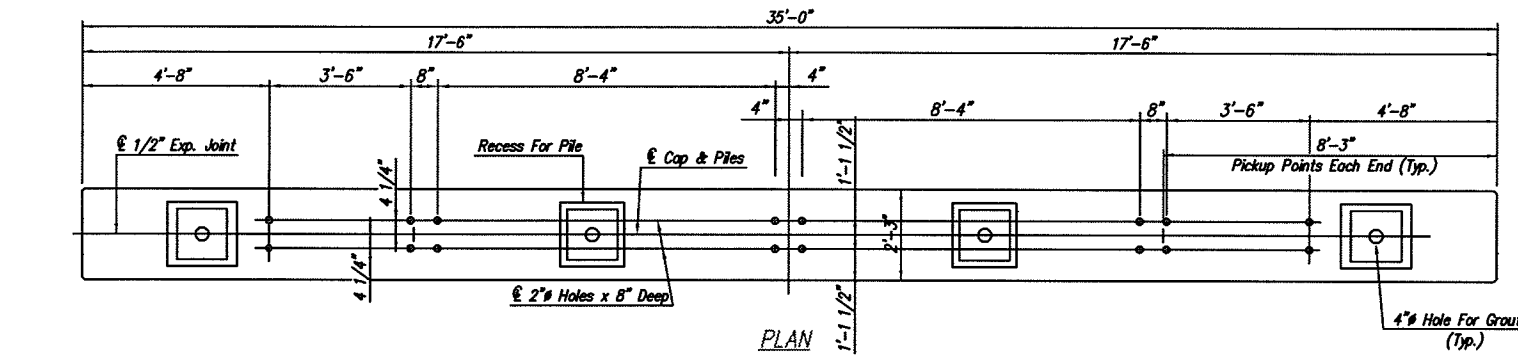
DESIGN DATA:

Specifications:.....2007 AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007
 Design Loading:.....HL-93
 fy = 60,000 p.s.i.; fc = 4,500 p.s.i.; n = 7

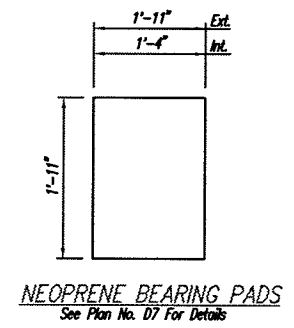
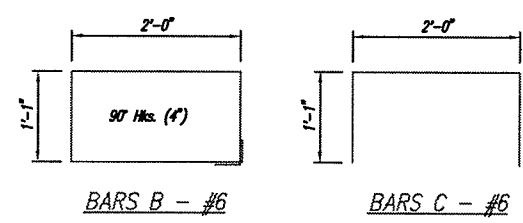
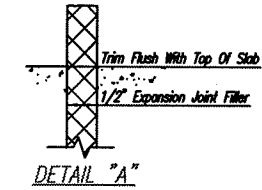
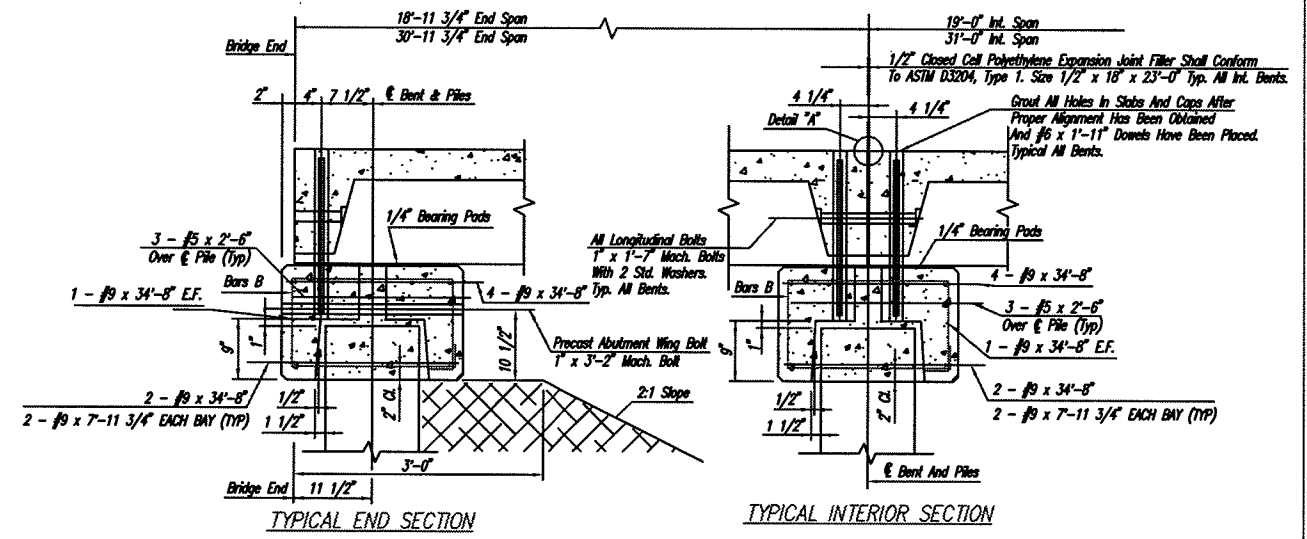
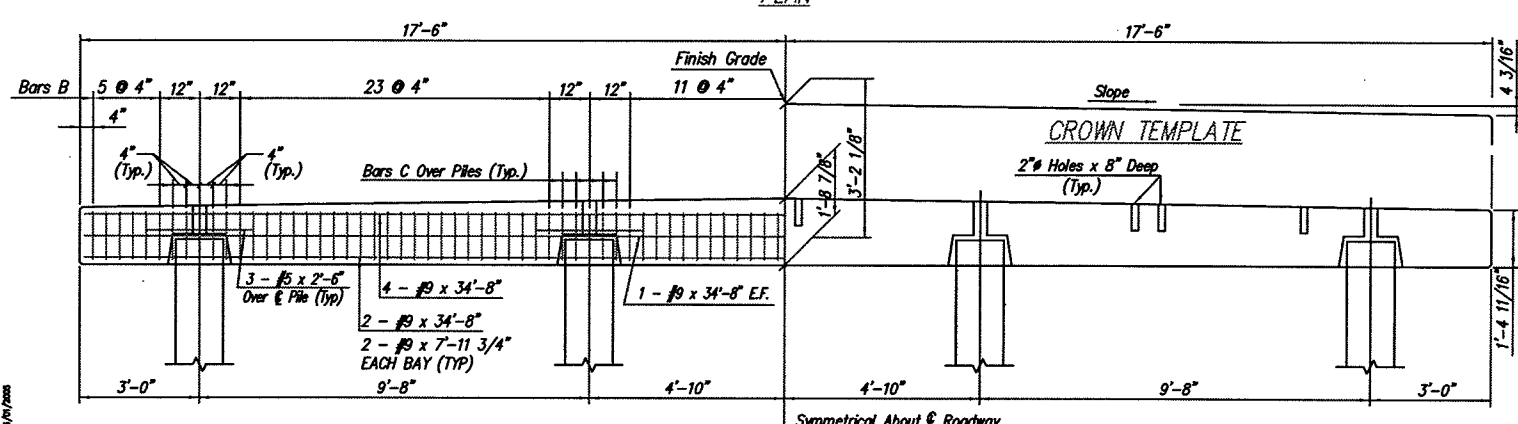
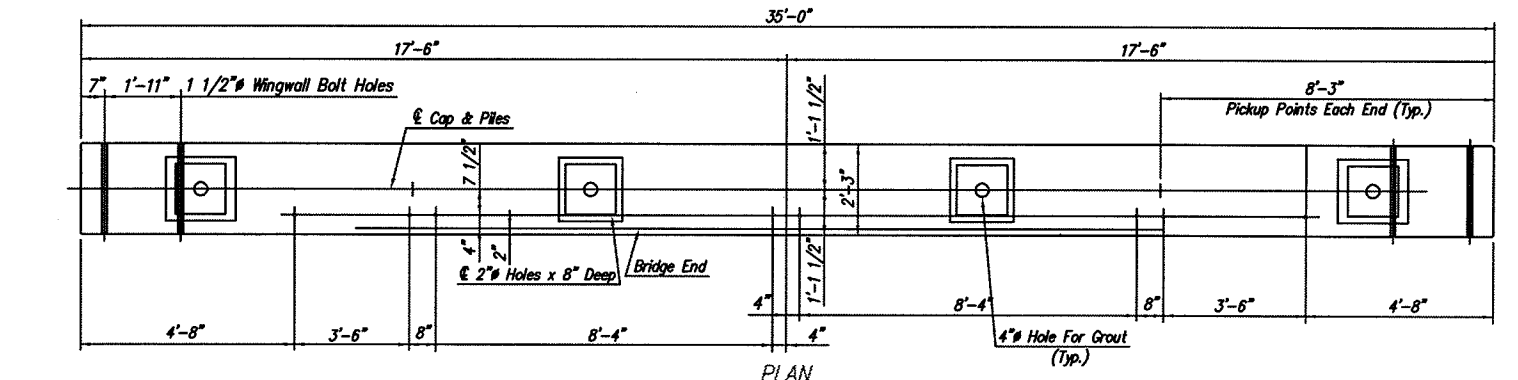
CITY OF CLINTON	
McRAVEN	
19' & 31' PRECAST CONCRETE SPANS	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER
COUNTY: HINDS	D4 OF 7
FILENAME:	SHEET NUMBER
DESIGN TEAM: _____	490
URS CORP. _____	
CHECKED: _____	
DATE: _____	

P:\00000000 (N.T.S.) 09/07/2005

CITY	PROJECT NO.
CLINTON	STP-0025-00(033)



NOTE: Piles Shall Be In Accordance With Guidelines On Sheet D6.



After Caps Have Been Set To Proper Line And Grade, Recess Around Piles And 4" Holes Shall Be Completely Filled With Epoxy Type Grout Or Non Shrink Commercial Type Grout.

GENERAL NOTES

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.

All Concrete Shall Obtain A Minimum Compressive Strength Of 3000 p.s.i. At 28 Days, And A Minimum Compressive Strength Of 2500 p.s.i. Before Caps Are Lifted From Forms.

All Concrete Edges Shall Be Chamfered 3/4".

Reinforcing Steel Shall Be Deformed Bars Conforming To A.S.T.M. A615 Grade 60. All Reinforcing Steel Shall Be Accurately Located In The Forms And Securely Held In Place By Means Of Steel Wire Supports.

Grout For Cap To Piling Connection Shall Be Non-Shrink Commercial Type Or Epoxy Type In Accordance With Section S-806.03.5

Handling And Placing Precast Caps, Slabs, Barrier Rail, And Wings" Of The Specifications.

Hardware Shall Be Galvanized Or Cadmium Plated.

A Variation Of More Than 1/4" In Dimensions Will Be Cause For Rejection Of The Unit.

All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Considered Included In The Prices And Payments For Bid Items.

Wingwalls shall be per Mississippi Department of Transportation Office of State Aid Road Construction Standard PC-17.

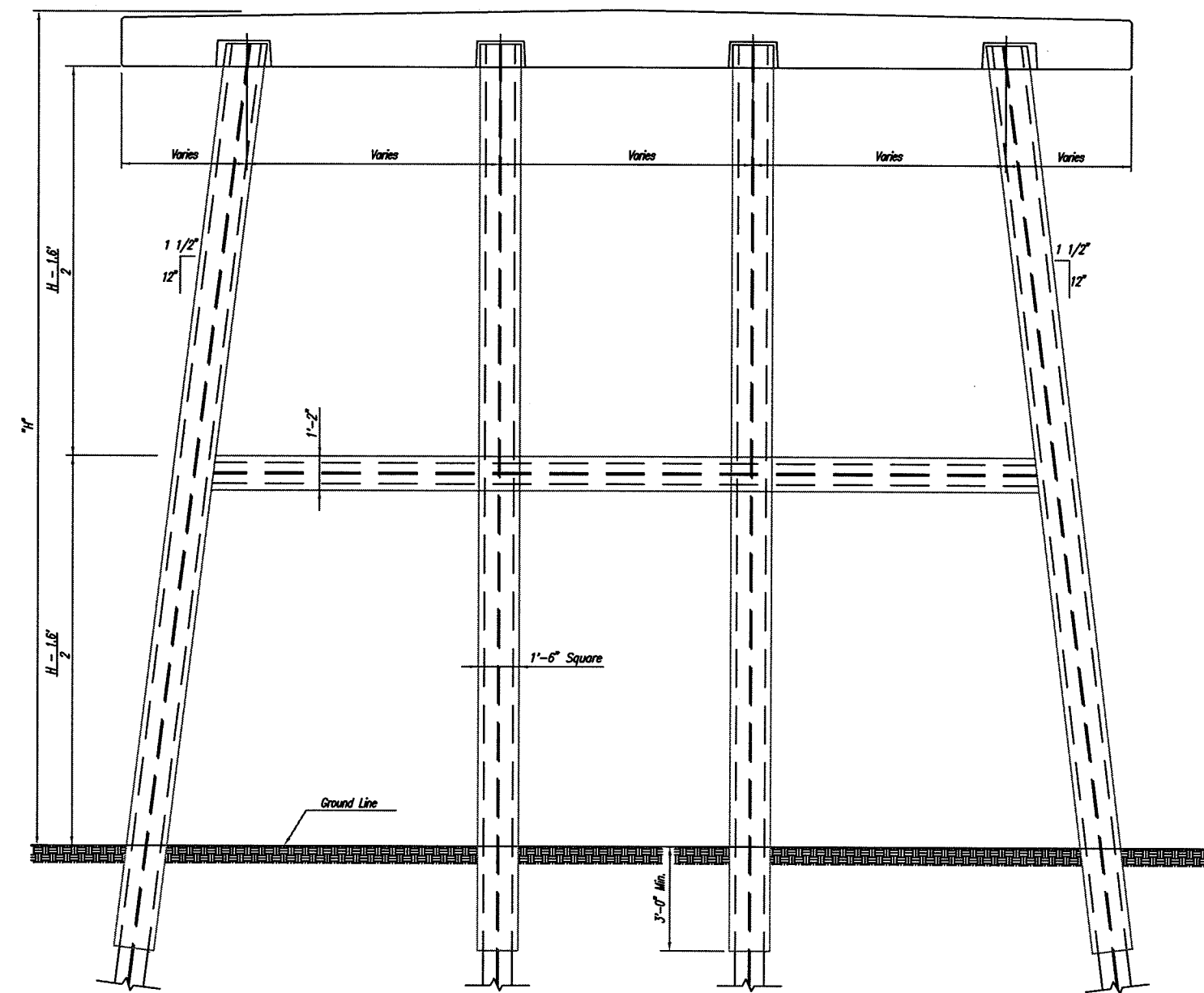
DESIGN DATA:

Specifications: A.A.S.H.T.O. LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, 2007

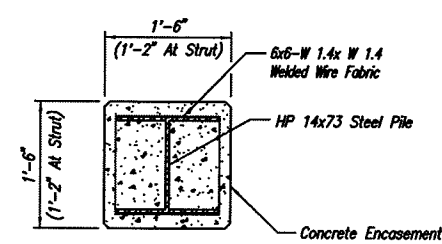
Design Loading: HL-93

f_y = 60,000 p.s.i. f_c = 3,000 p.s.i. n = 9

BY		CITY OF CLINTON	
REVISION		McRAVEN PRECAST CONCRETE CAPS	
PROJECT NO.	STP-0025-00(033)	WORKING NUMBER	D5 OF 7
COUNTY:	HINDS	SHEET NUMBER	491
DATE	FILENAME:	DESIGN TEAM	URS BOSP CHECKED DATE

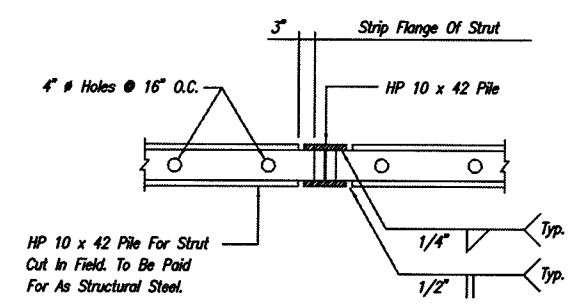


STEEL PILE ENCASEMENT AND STRUT DETAILS

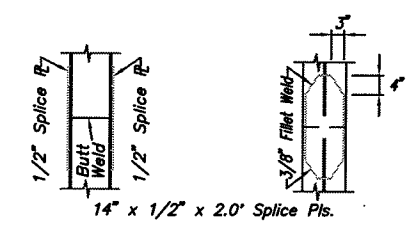


NOTE: Pile Encasement Shall Be Reinforced With 6x6-W 1.4x 1.4 Welded Wire Fabric Weighing 0.21 Lbs. Per Sq. Ft. Which Will Be Paid For As Reinforcing Steel. Chamfer Corners Of Encasement 3/4".

PILE ENCASEMENT DETAIL



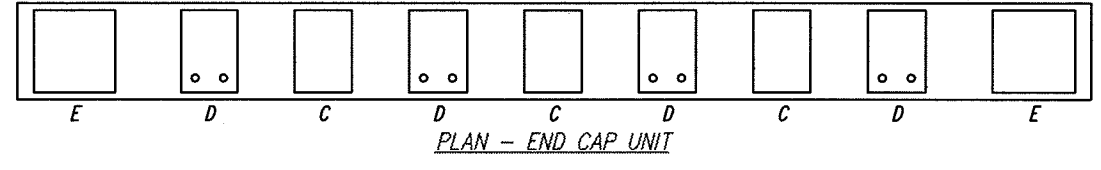
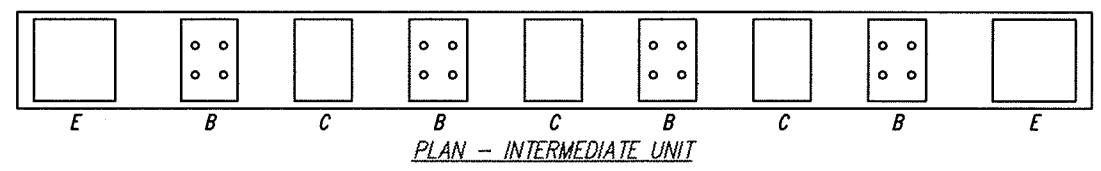
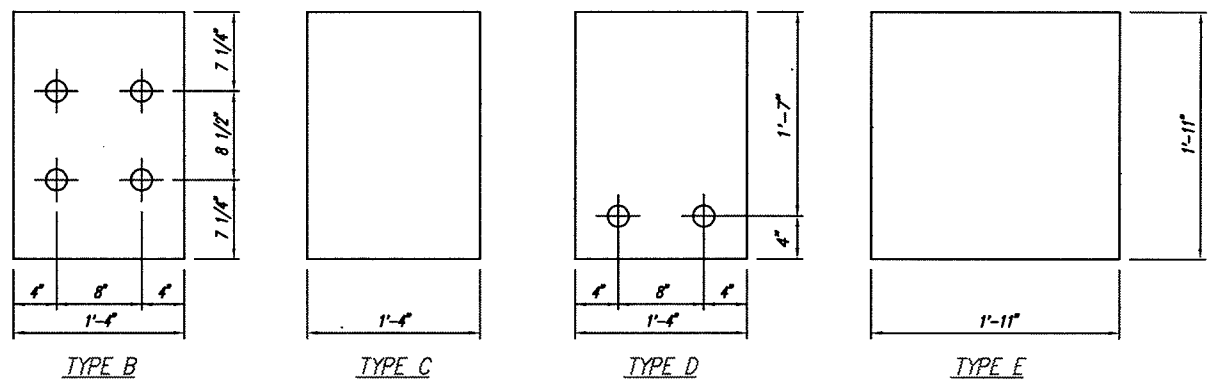
STRUT CONNECTION DETAIL



PILE SPLICE FOR HP14X73 STEEL PILE

GENERAL NOTES:
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Welding Shall Be Done By The Electric Arc Process.
 When Practicable, All Piles Shall Be Driven Full Length And Shall Not Be Spliced Except By Authority Of The Engineer.
 Steel Piles Shall Be Paid For At The Contract Price Per Linear Foot Complete In Place And No Additional Payment Will Be Allowed For Excavation And De-Watering Incidental To Installation Of Pile Encasements.
 Pile Encasement And Strut Concrete Shall Be Paid For As Class "B" Concrete.
 Wire Mesh And Strut Reinforcement Will Be Paid For As Reinforcing Steel.
 All Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.
 All Piles Shown In Plans Shall Conform To AASHTO M270 Grade 50.
 When Prestressed Piling Is Used, Piling Details Shall Meet The Requirements Shown In Sheet CP-01.

BY	CITY OF CLINTON		
REVISION	McRAVEN STEEL PILE ENCASEMENT AND STRUT DETAILS		
PROJECT NO.	STP-0025-00(033)	WORKING NUMBER	D6 OF 7
COUNTY :	HINDS	SHEET NUMBER	492
DATE	FILENAME:	DESIGN TEAM	LRS CORP
	CHECKED	DATE	



NEOPRENE PAD PLACEMENT - 32' CLEAR ROADWAY

GENERAL NOTES:

Specifications:
 Hardness A.S.T.M. D2240 70 Durometer ±5
 Tensile Strength A.S.T.M. D412 2500
 Ultimate Elongation Minimum % 300
 All Holes Are 2 Inches In Diameter
 Thickness Of The Pads Shall Be 1/4" Unless Otherwise Designated On The Plans. Pads May Be Cut From Stock Using Appropriate Saw Or Shear, And Holes May Be Drilled. Pads Will Not Be Paid For Separately And Compensation Therefore Shall Be Considered Included In The Prices And Payment For Bid Items.

CITY OF CLINTON	
McRAVEN	
BEARING PAD & PLACEMENT DETAILS	
PROJECT NO. STP-0025-00(033)	WORKING NUMBER
COUNTY: HINDS	D7 OF 7
DATE	FILENAME:
DESIGN TEAM	URS CORP
CHECKED	DATE
SHEET NUMBER	
493	