

Alternative C

Possible Project 8

**Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets**

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN - ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN - BRIDGES	
CROSS-SECTIONS	

TOTAL SHEETS _____

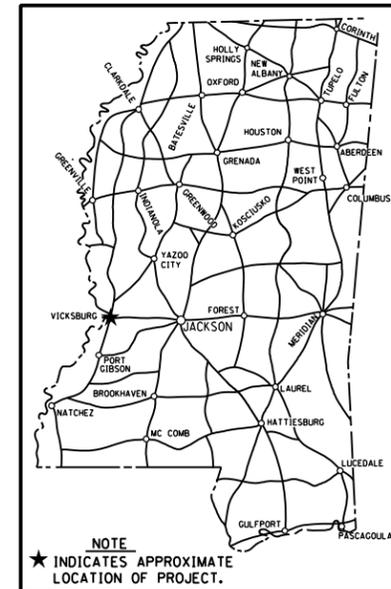
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

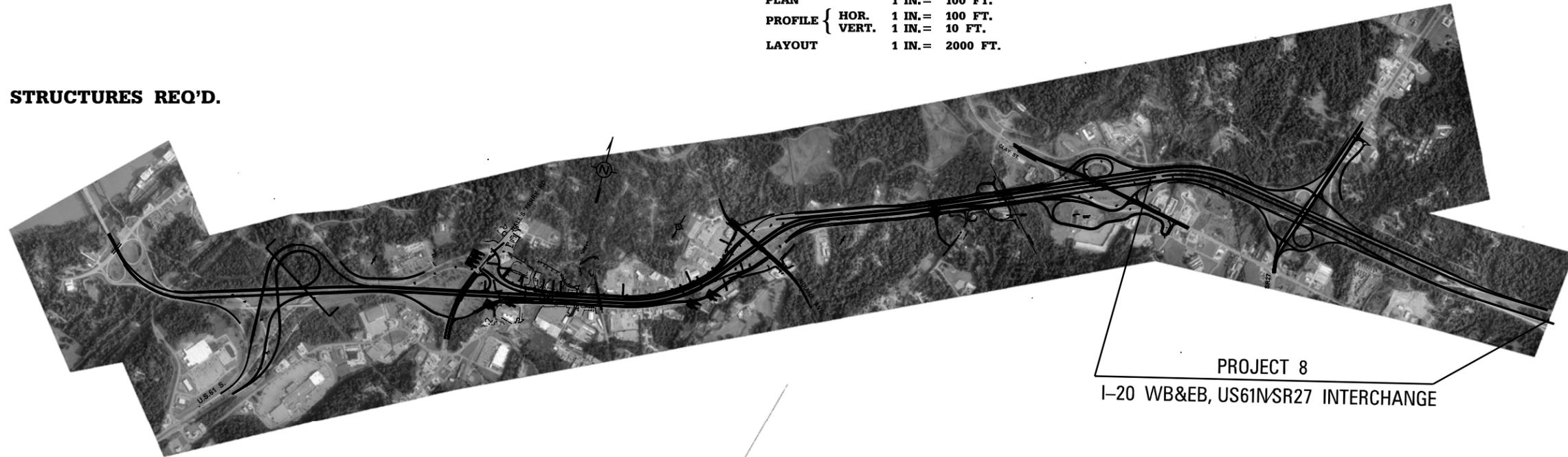
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000
ALTERNATIVE C, PROJECT 8

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 2000 FT.



BRIDGE STRUCTURES REQ'D.



DESIGN CONTROL

MPH = V (SPEED DESIGN)

ADT () = : ADT () =

DHV = : D = % T = %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS
(NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY)

	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA-S ACRES-MINIB 6484)

S REQUIRED, SEND TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES-MINIB 6483)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

3/6/2012 16:21:34 TITLE ALTERNATIVE C-8.DGN ROADWAY DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONVENTIONAL SYMBOLS

COUNTY LINE	_____
TOWN CORPORATION LINE	_____
SECTION LINE	_____
EXISTING ROAD OR TRAVELED WAY	_____
PROPOSED ROAD OR TRAVELED WAY	_____
RAILROAD	_____
SURVEY LINE	_____
BRIDGES	_____

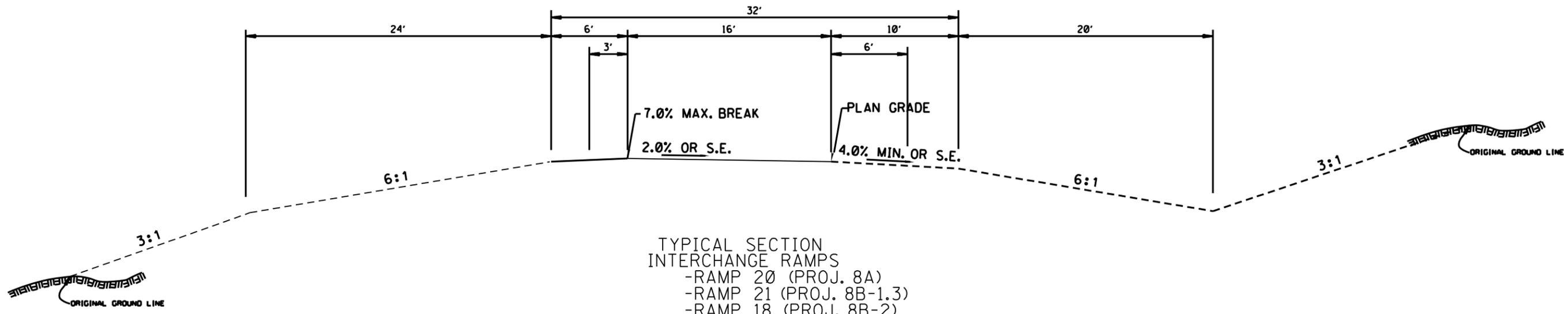
LENGTH DATA

LENGTH OF ROADWAY	FT.	MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	FT.	MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	FT.	MI.

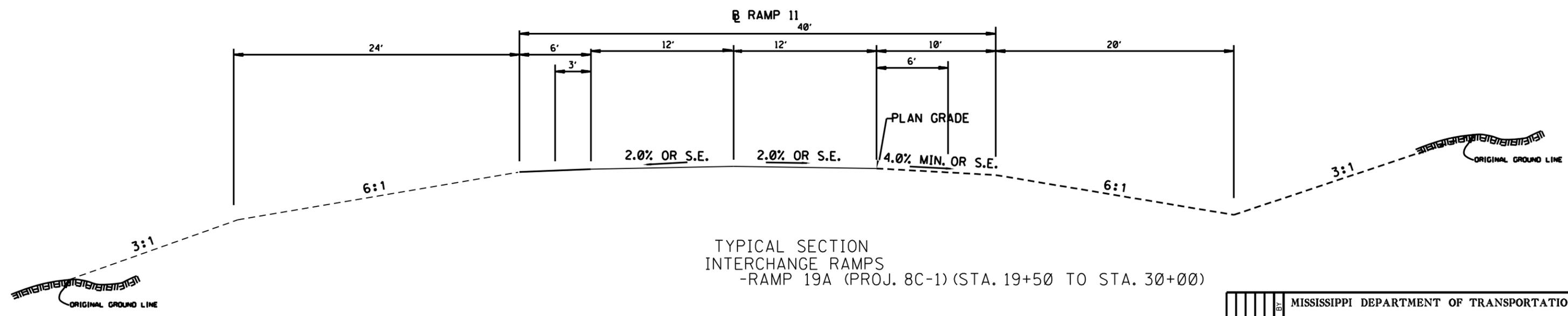
EQUATIONS

EXCEPTIONS

APPROVED:	BY	DATE
CHIEF ENGINEER	_____	_____
EXECUTIVE DIRECTOR	_____	_____
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:	BY	DATE
DIVISION ADMINISTRATOR	_____	_____
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		



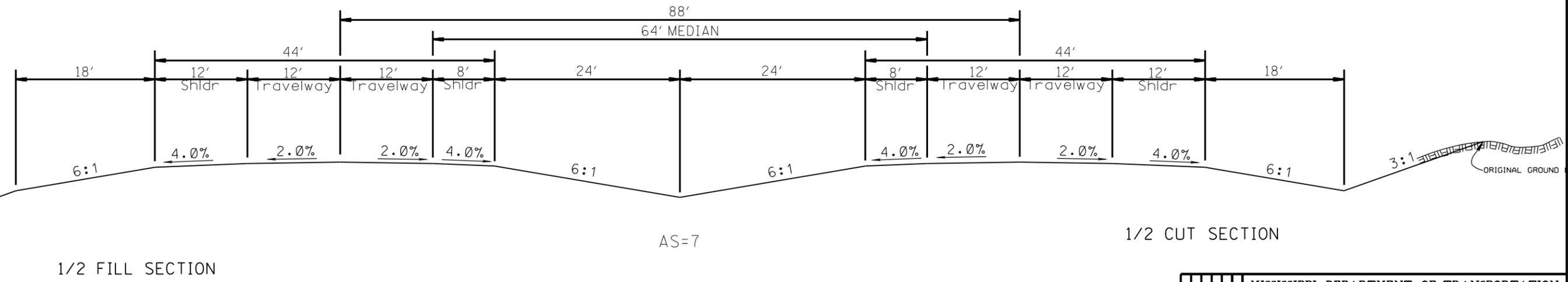
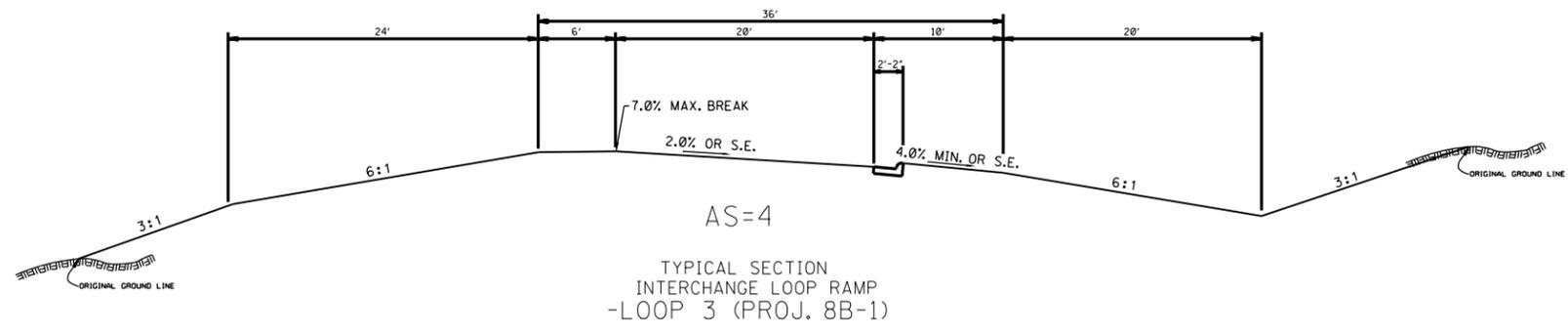
TYPICAL SECTION
INTERCHANGE RAMP
-RAMP 20 (PROJ. 8A)
-RAMP 21 (PROJ. 8B-1.3)
-RAMP 18 (PROJ. 8B-2)
-RAMP 19A (PROJ. 8C-1) (STA. 10+00 TO STA. 19+50)



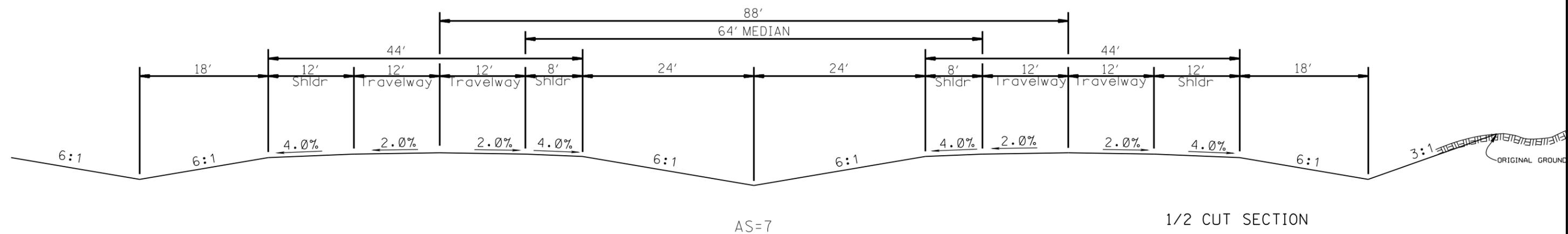
TYPICAL SECTION
INTERCHANGE RAMP
-RAMP 19A (PROJ. 8C-1) (STA. 19+50 TO STA. 30+00)

SFILES
SDATES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION INTERCHANGE RAMP 20 (PROJ. 8A) INTERCHANGE RAMP 21 (PROJ. 8B-1.3) INTERCHANGE RAMP 18 (PROJ. 8B-2) INTERCHANGE RAMP 19A (PROJ. 8C-1)	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS8-1
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	DATE

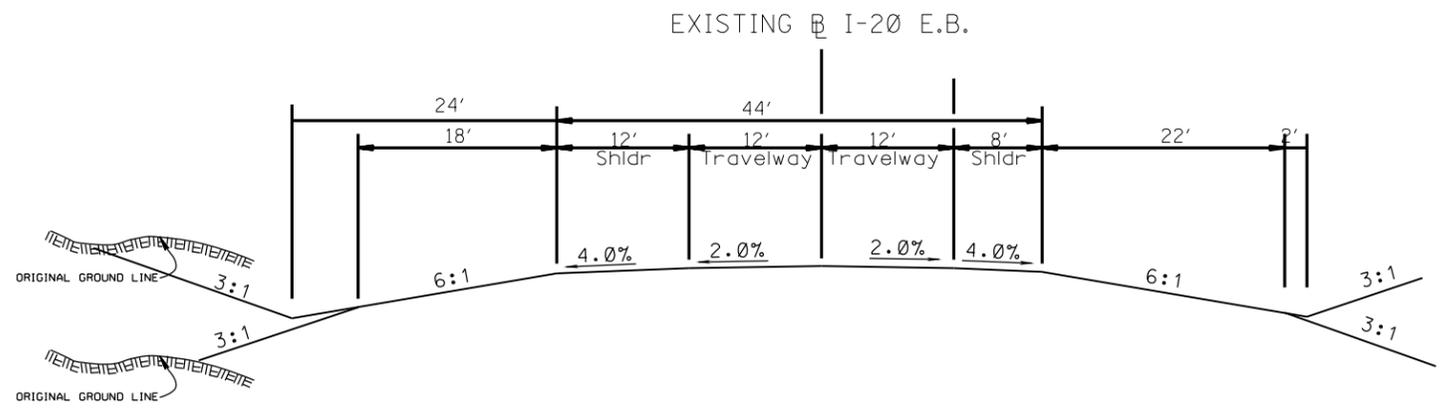


MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION US61N N.B. & S.B. (PROJ. 8B-1 & 8B-4) INTCH LOOP 3 (PROJ. 8B-1)	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS8-2
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED DATE



1/2 FILL SECTION

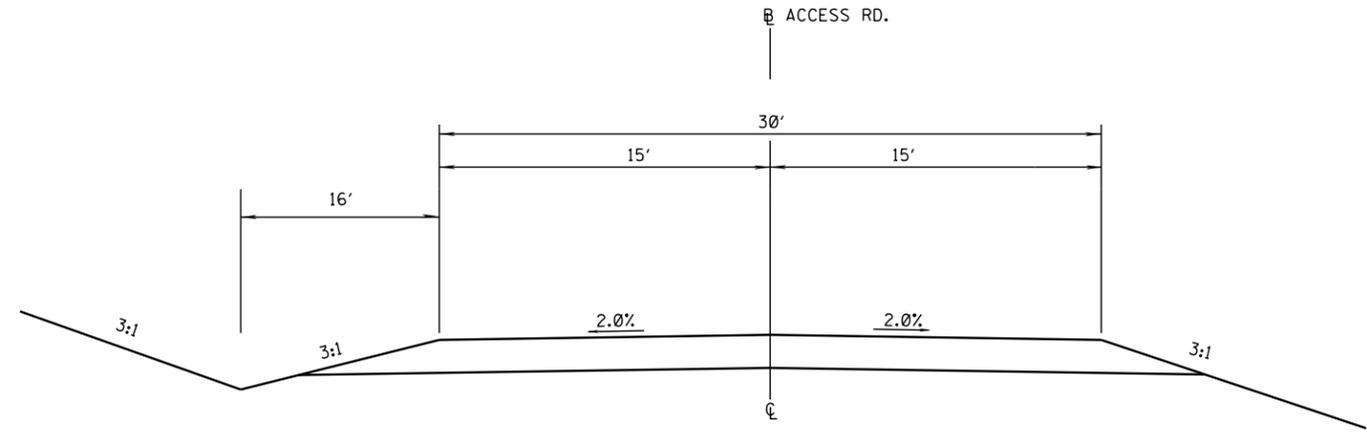
TYPICAL SECTION
 I-20 E.B. & W.B. (STA. 248+00 TO *282+55)
 *Median varies from STA. 282+55 TO 334+00)



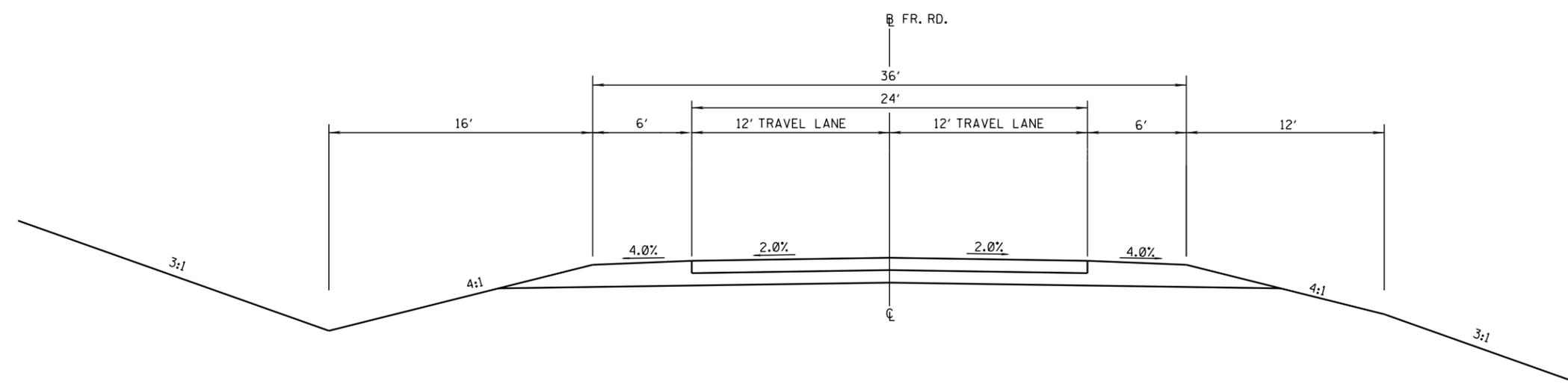
TYPICAL SECTION
 US61N NORTH C-D ROAD (STA 270+00 TO 334+00)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
I-20 E.B. & W.B. - STA. 248+00 TO 334+00	
US61N NORTH C-D ROAD (STA 270+00 TO 334+00)	
PHASE C	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS8-3
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED
DATE	DATE

SFILES



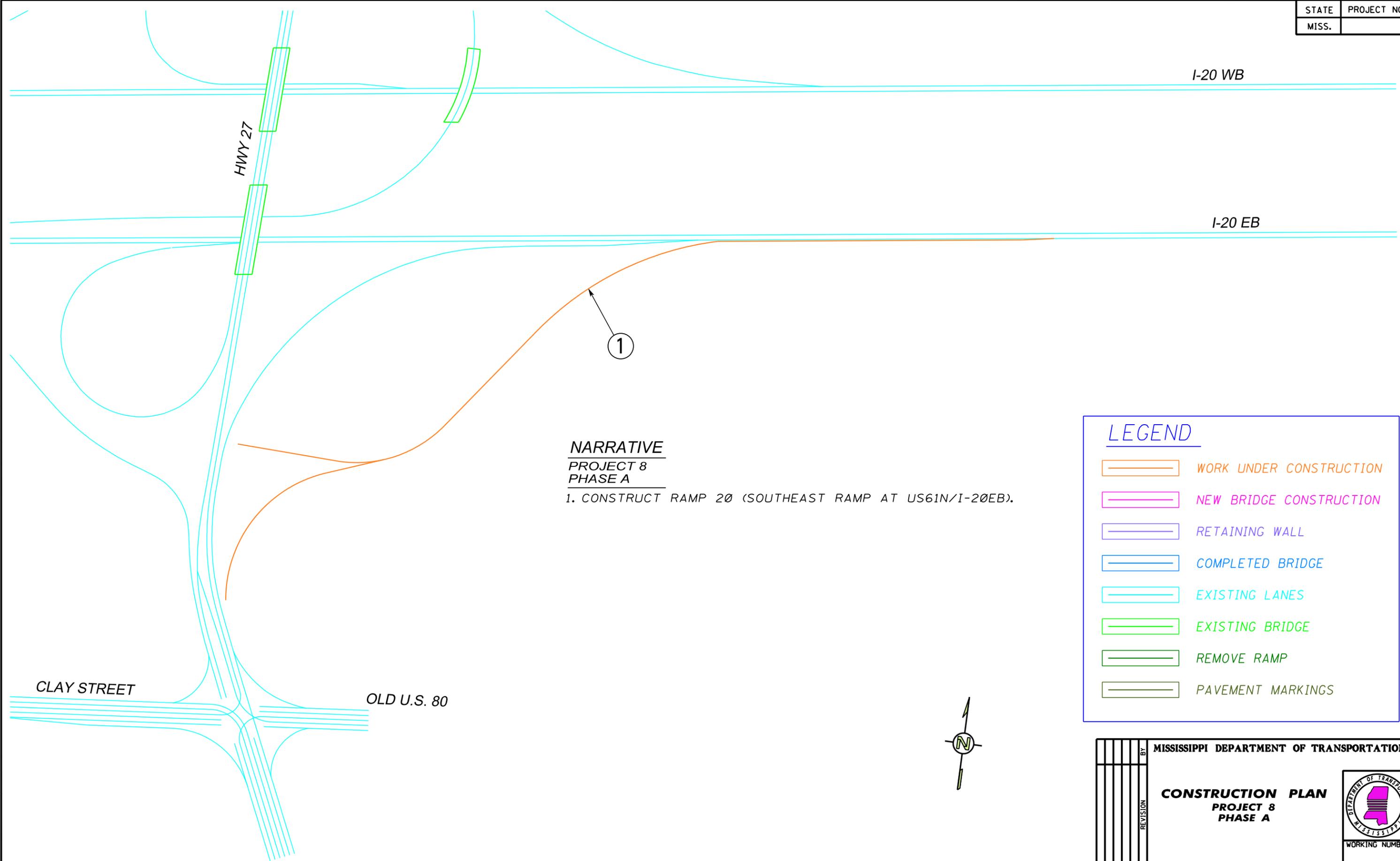
TYPICAL SECTION
ACCESS RD. ADJACENT TO RAMP 19
(PROJECT 8-C4)



TYPICAL SECTION
US61 NORTH
FRONTAGE RD.
(PROJECT 8B-3)

\$FILES
\$DATES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	
US 61 NORTH ACCESS RD. (PROJ 8-C4)	
US61N FR. RD. (PROJECT 8-B3)	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS8-4
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED
DATE	DATE

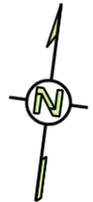


NARRATIVE
PROJECT 8
PHASE A

1. CONSTRUCT RAMP 20 (SOUTHEAST RAMP AT US61N/I-20EB).

LEGEND

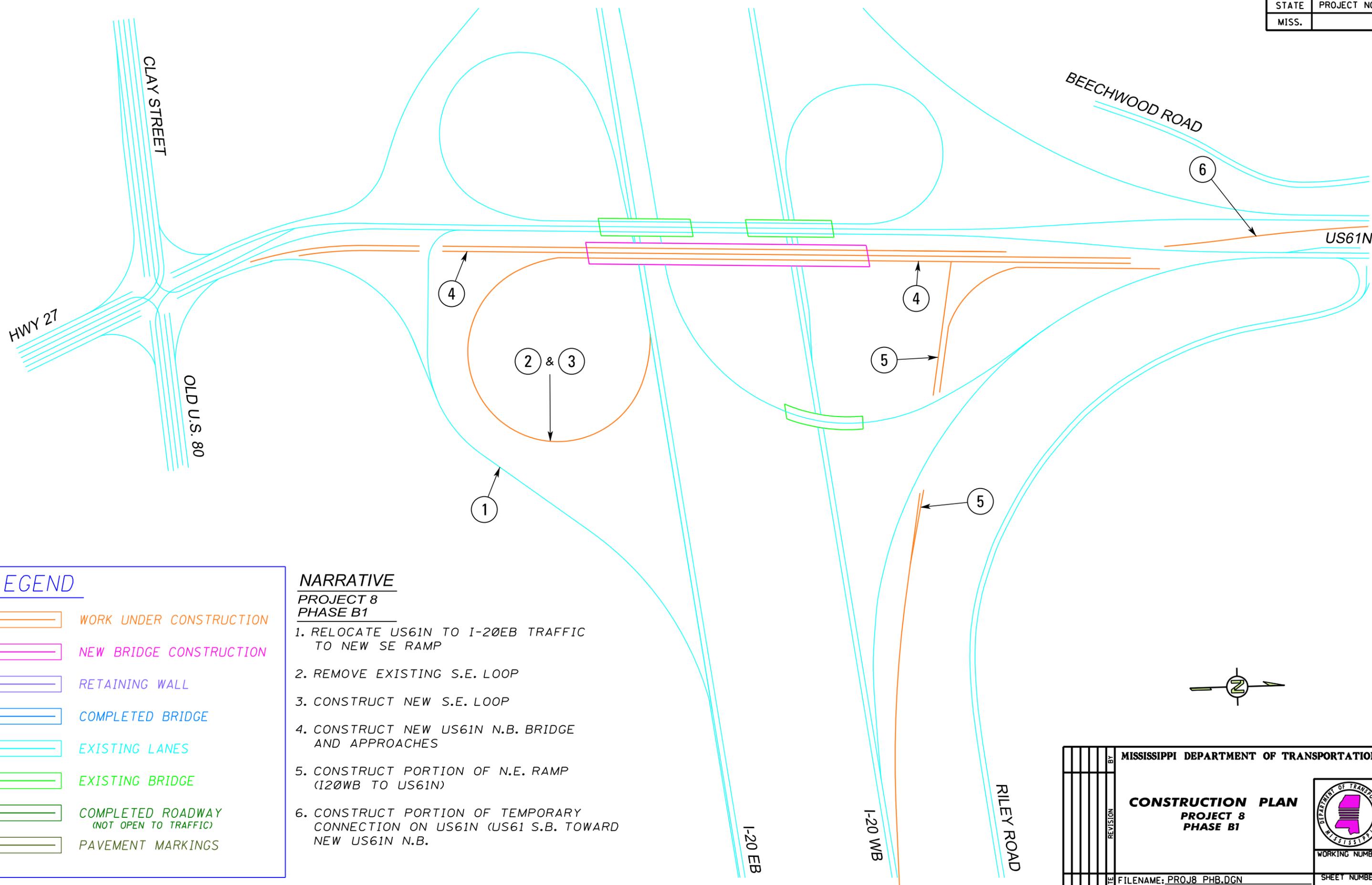
-  WORK UNDER CONSTRUCTION
-  NEW BRIDGE CONSTRUCTION
-  RETAINING WALL
-  COMPLETED BRIDGE
-  EXISTING LANES
-  EXISTING BRIDGE
-  REMOVE RAMP
-  PAVEMENT MARKINGS



001 00 ANPM DGN FILENAME
 ROADWAY PLAN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE A	
WORKING NUMBER	SHEET NUMBER
FILENAME: PROJ8 PHA.DGN	
DESIGN TEAM	CHECKED DATE



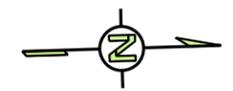


LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS

NARRATIVE
PROJECT 8
PHASE B1

1. RELOCATE US61N TO I-20EB TRAFFIC TO NEW SE RAMP
2. REMOVE EXISTING S.E. LOOP
3. CONSTRUCT NEW S.E. LOOP
4. CONSTRUCT NEW US61N N.B. BRIDGE AND APPROACHES
5. CONSTRUCT PORTION OF N.E. RAMP (I20WB TO US61N)
6. CONSTRUCT PORTION OF TEMPORARY CONNECTION ON US61N (US61 S.B. TOWARD NEW US61N N.B.)



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE B1	
DATE	FILENAME: PROJ8 PHB.DGN
DESIGN TEAM	CHECKED
	DATE

BY
REVISION

WORKING NUMBER
SHEET NUMBER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DIVISION
 PLAN
 001 00 ANPM DGN FILENAME
 MDDYY

NARRATIVE

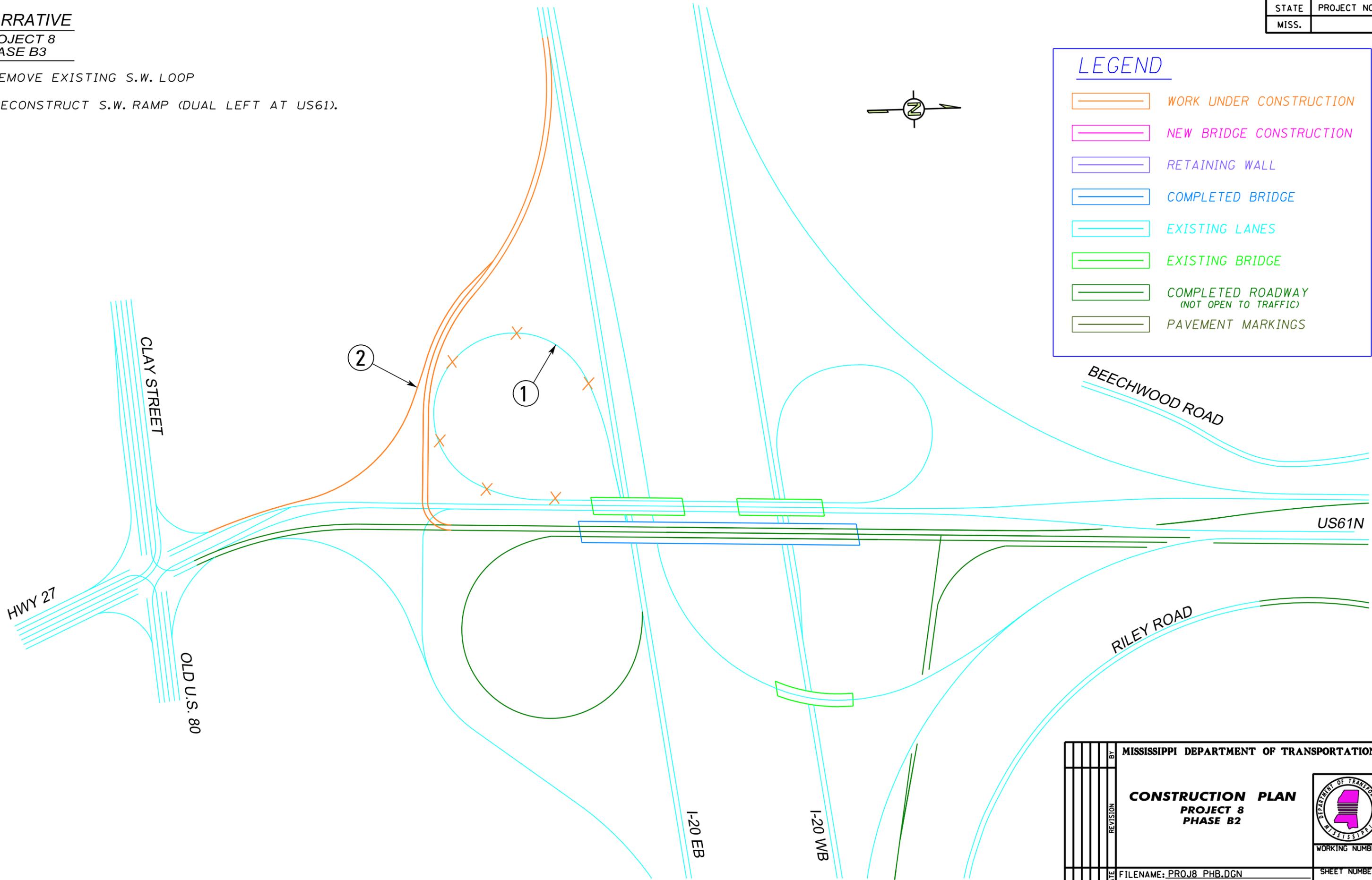
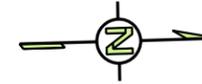
**PROJECT 8
PHASE B3**

1. REMOVE EXISTING S.W. LOOP
2. RECONSTRUCT S.W. RAMP (DUAL LEFT AT US61).

STATE	PROJECT NO.
MISS.	

LEGEND

-  WORK UNDER CONSTRUCTION
-  NEW BRIDGE CONSTRUCTION
-  RETAINING WALL
-  COMPLETED BRIDGE
-  EXISTING LANES
-  EXISTING BRIDGE
-  COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
-  PAVEMENT MARKINGS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY PLAN DIVISION
 001 00 ANPM DGN FILENAME
 MDDYY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8 PHASE B2	
WORKING NUMBER	SHEET NUMBER
FILENAME: PROJ8 PHB.DGN	DATE
DESIGN TEAM	CHECKED DATE



BEECHWOOD ROAD

US61N

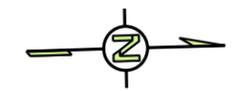
NARRATIVE
PROJECT 8
PHASE B3

1. RELOCATE AND EXTEND NORTHEAST FRONTAGE ROAD TO RELOCATED CROSSOVER ON US61N.

1

LEGEND

-  WORK UNDER CONSTRUCTION
-  NEW BRIDGE CONSTRUCTION
-  RETAINING WALL
-  COMPLETED BRIDGE
-  EXISTING LANES
-  EXISTING BRIDGE
-  COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
-  PAVEMENT MARKINGS



MDDYY 001 00 ANPM DGNFILENAME ROADWAY PLAN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

I-20 EB

I-20 WB

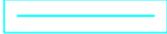
RILEY ROAD

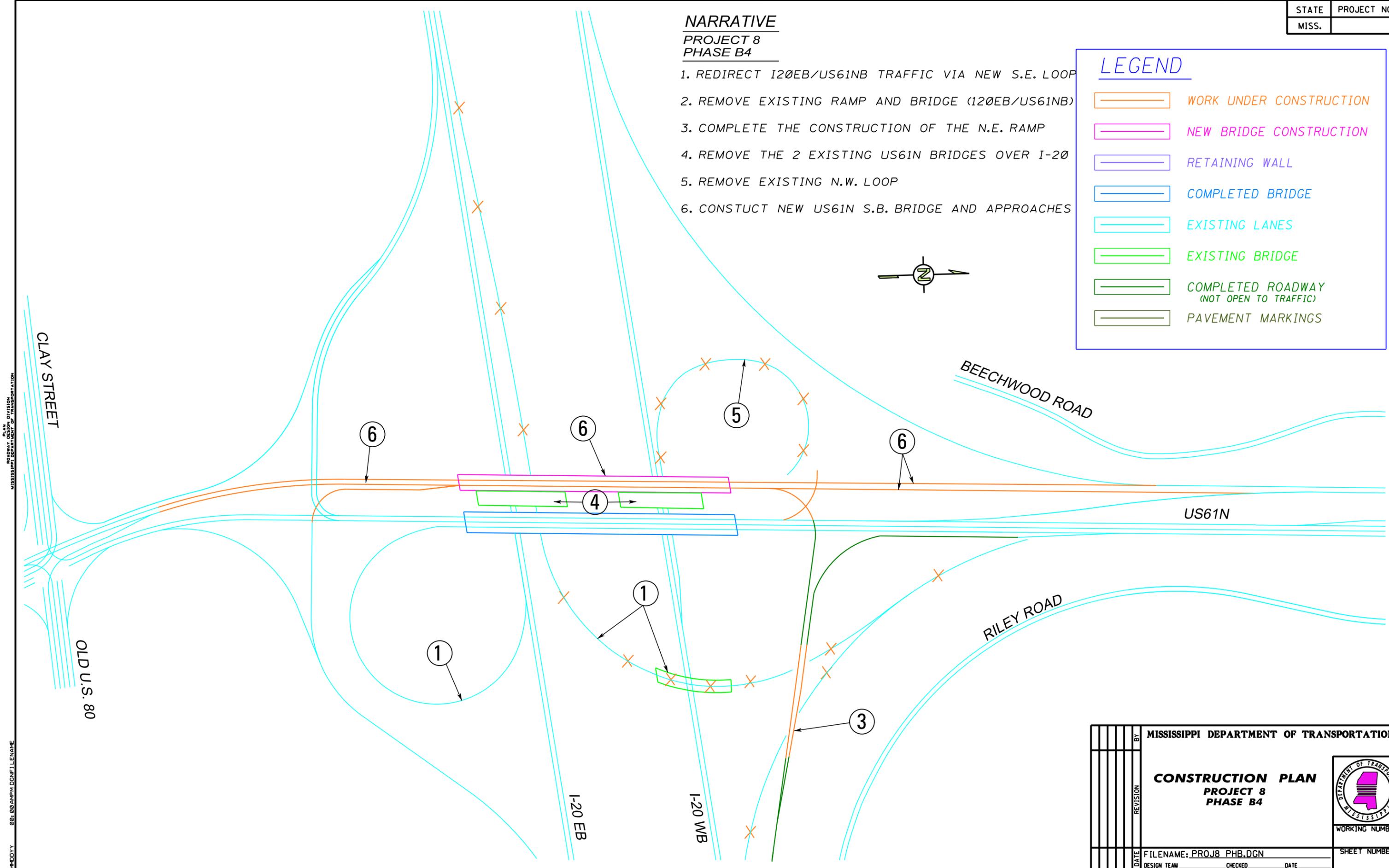
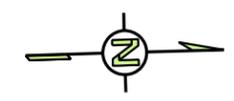
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE B3	
WORKING NUMBER	SHEET NUMBER
FILENAME: PROJ8 PHB.DGN	DESIGN TEAM _____ CHECKED _____ DATE _____

NARRATIVE
PROJECT 8
PHASE B4

1. REDIRECT I20EB/US61NB TRAFFIC VIA NEW S.E. LOOP
2. REMOVE EXISTING RAMP AND BRIDGE (I20EB/US61NB)
3. COMPLETE THE CONSTRUCTION OF THE N.E. RAMP
4. REMOVE THE 2 EXISTING US61N BRIDGES OVER I-20
5. REMOVE EXISTING N.W. LOOP
6. CONSTRUCT NEW US61N S.B. BRIDGE AND APPROACHES

LEGEND

-  WORK UNDER CONSTRUCTION
-  NEW BRIDGE CONSTRUCTION
-  RETAINING WALL
-  COMPLETED BRIDGE
-  EXISTING LANES
-  EXISTING BRIDGE
-  COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
-  PAVEMENT MARKINGS

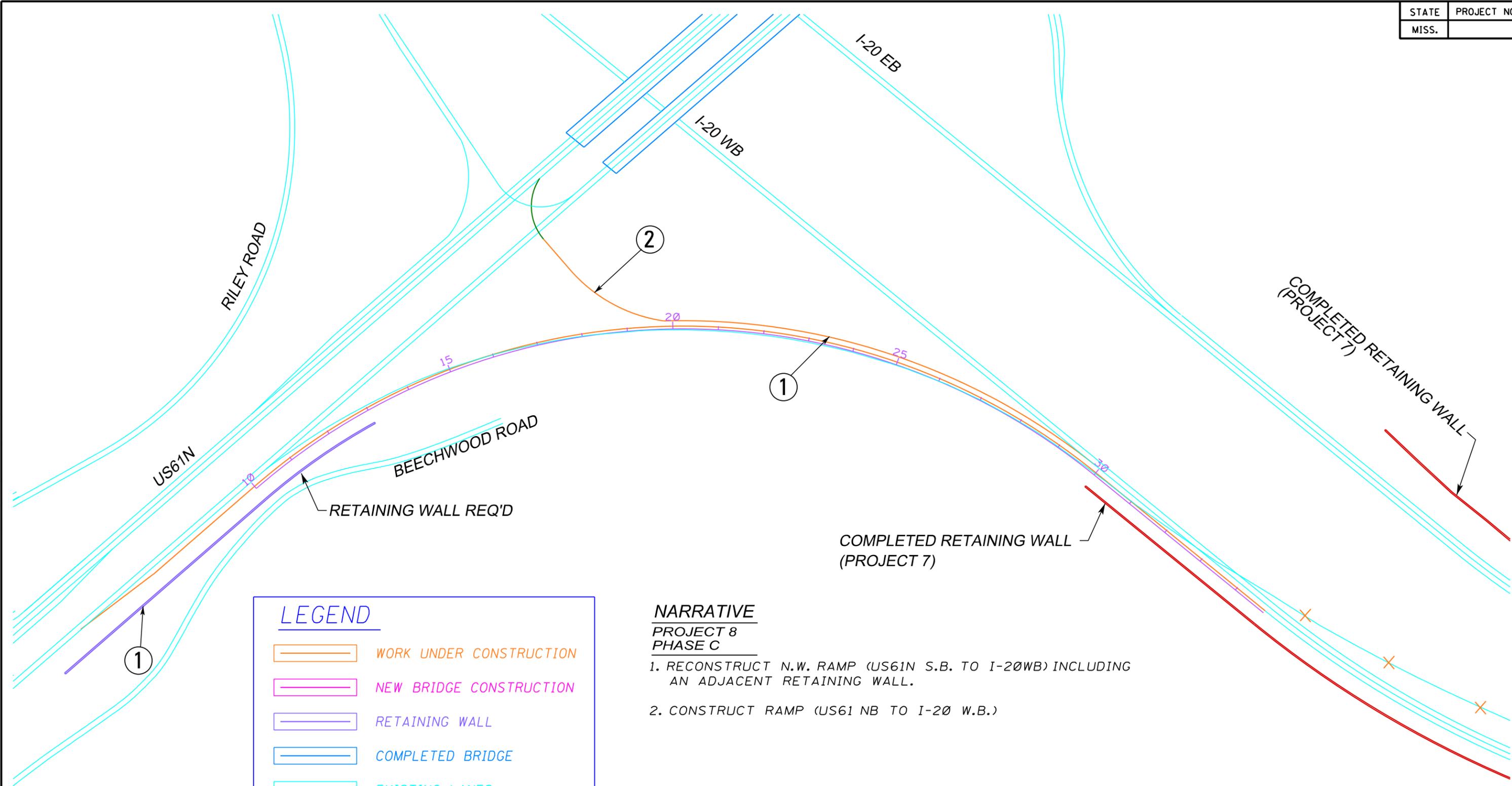


MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANNING DIVISION
 001 00 ANPM DGN FILENAME
 MDDYY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE B4	
WORKING NUMBER	SHEET NUMBER
DATE	FILENAME: PROJ8 PHB.DGN
DESIGN TEAM	CHECKED DATE



MDDDY 001 00 ANPH.DGN FILENAME
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

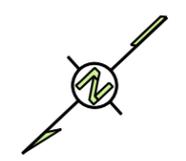


LEGEND	
	WORK UNDER CONSTRUCTION
	NEW BRIDGE CONSTRUCTION
	RETAINING WALL
	COMPLETED BRIDGE
	EXISTING LANES
	EXISTING BRIDGE
	COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
	PAVEMENT MARKINGS
	RETAINING WALL IN PLACE

NARRATIVE

**PROJECT 8
PHASE C**

- RECONSTRUCT N.W. RAMP (US61N S.B. TO I-20WB) INCLUDING AN ADJACENT RETAINING WALL.
- CONSTRUCT RAMP (US61 NB TO I-20 W.B.)



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8 PHASE C1	
	
WORKING NUMBER	
SHEET NUMBER	
DATE	FILENAME: PROJ8_PHC.DGN
DESIGN TEAM	CHECKED
	DATE

COMPLETED RETAINING WALL

I-20 WB

I-20 EB

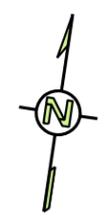
COMPLETED RETAINING WALL

CLAY STREET

LEGEND	
	WORK UNDER CONSTRUCTION
	NEW BRIDGE CONSTRUCTION
	RETAINING WALL
	COMPLETED BRIDGE
	EXISTING LANES
	EXISTING BRIDGE
	COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
	PAVEMENT MARKINGS
	RETAINING WALL IN PLACE

NARRATIVE
PROJECT 8
PHASE C

1. CONSTRUCT THE NEW I-20EB LANES (STA. 248+00 TO STA. 323+28).
2. CONSTRUCT THE NEW I-20WB LANES (STA. 248+00 TO STA. 335+17).



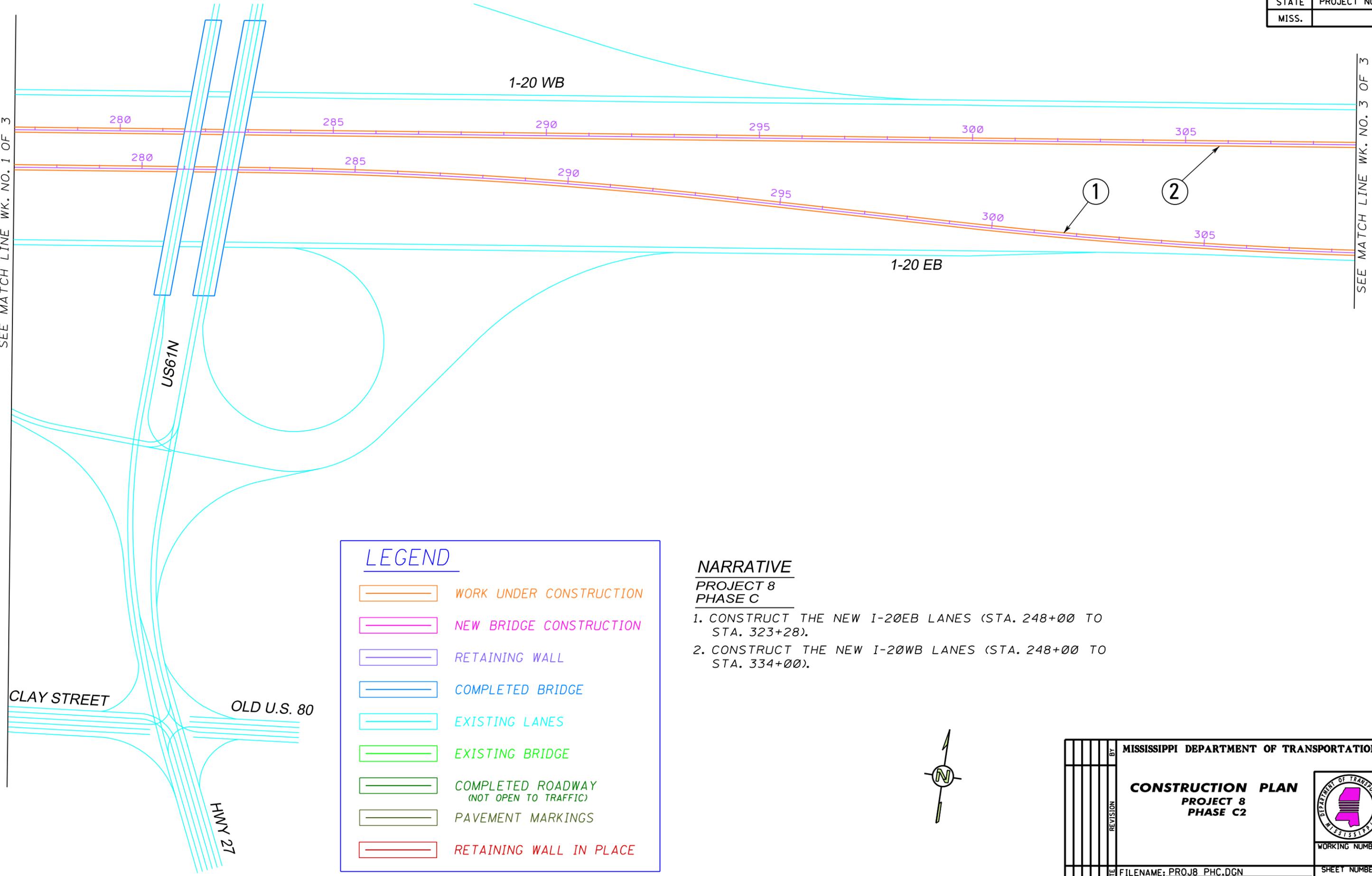
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE C2	
WORKING NUMBER	
SHEET NUMBER	
DATE	FILENAME: PROJ8_PHC.DGN
DESIGN TEAM	CHECKED
	DATE

SEE MATCH LINE WK. NO. 2 OF 3

001 00 ANPM DGN FILE NAME

SEE MATCH LINE WK. NO. 1 OF 3

SEE MATCH LINE WK. NO. 3 OF 3



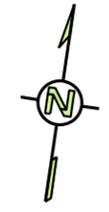
MDDYY 001 00 ANPM DGN FILENAME MISSISSIPPI DEPARTMENT OF TRANSPORTATION

LEGEND

-  WORK UNDER CONSTRUCTION
-  NEW BRIDGE CONSTRUCTION
-  RETAINING WALL
-  COMPLETED BRIDGE
-  EXISTING LANES
-  EXISTING BRIDGE
-  COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
-  PAVEMENT MARKINGS
-  RETAINING WALL IN PLACE

NARRATIVE
PROJECT 8
PHASE C

1. CONSTRUCT THE NEW I-20EB LANES (STA. 248+00 TO STA. 323+28).
2. CONSTRUCT THE NEW I-20WB LANES (STA. 248+00 TO STA. 334+00).



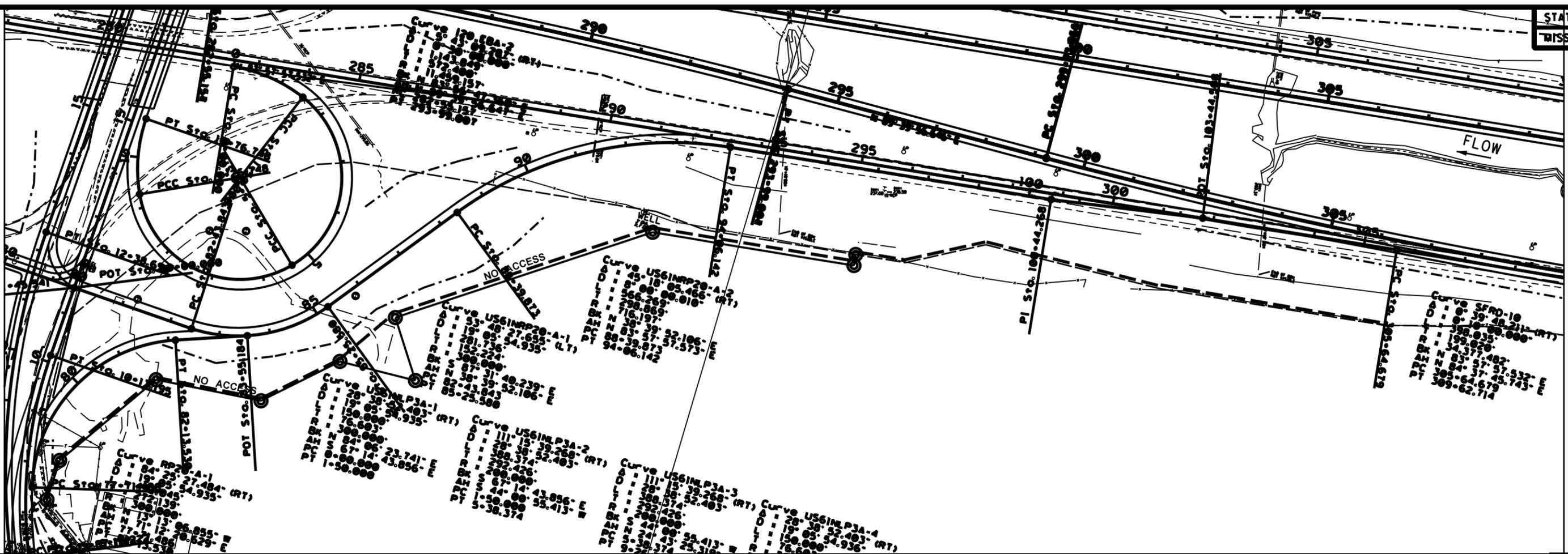
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 8	
PHASE C2	
DATE	FILENAME: PROJ8_PHC.DGN
DESIGN TEAM	CHECKED
BY	DATE
REVISION	



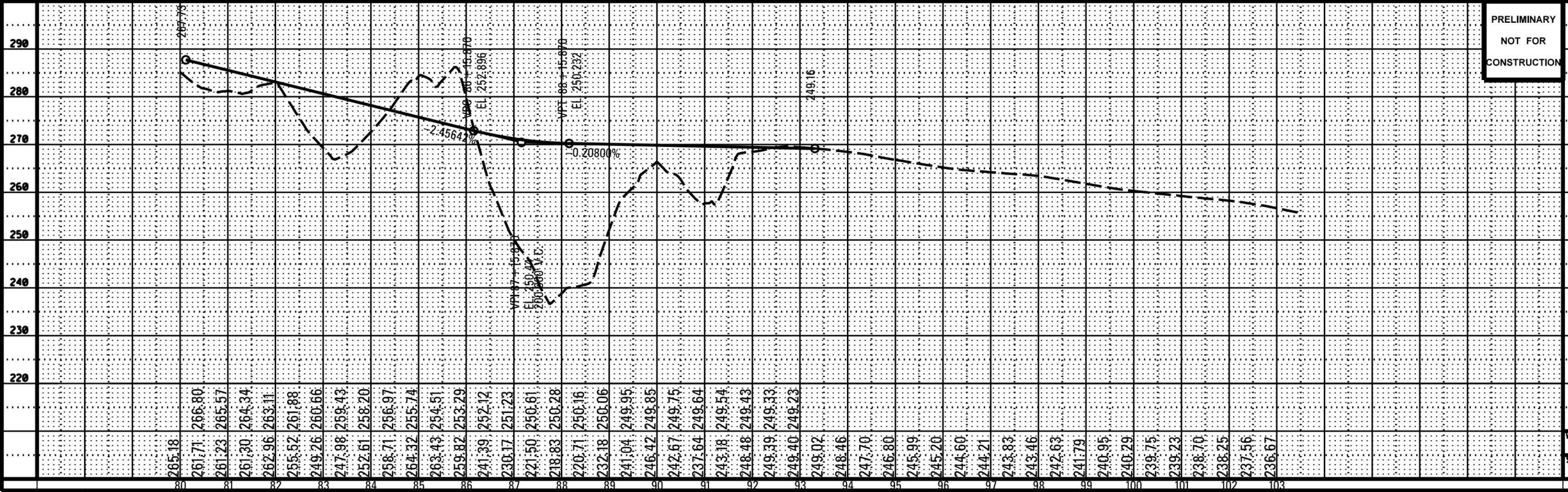
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

WORKING NUMBER

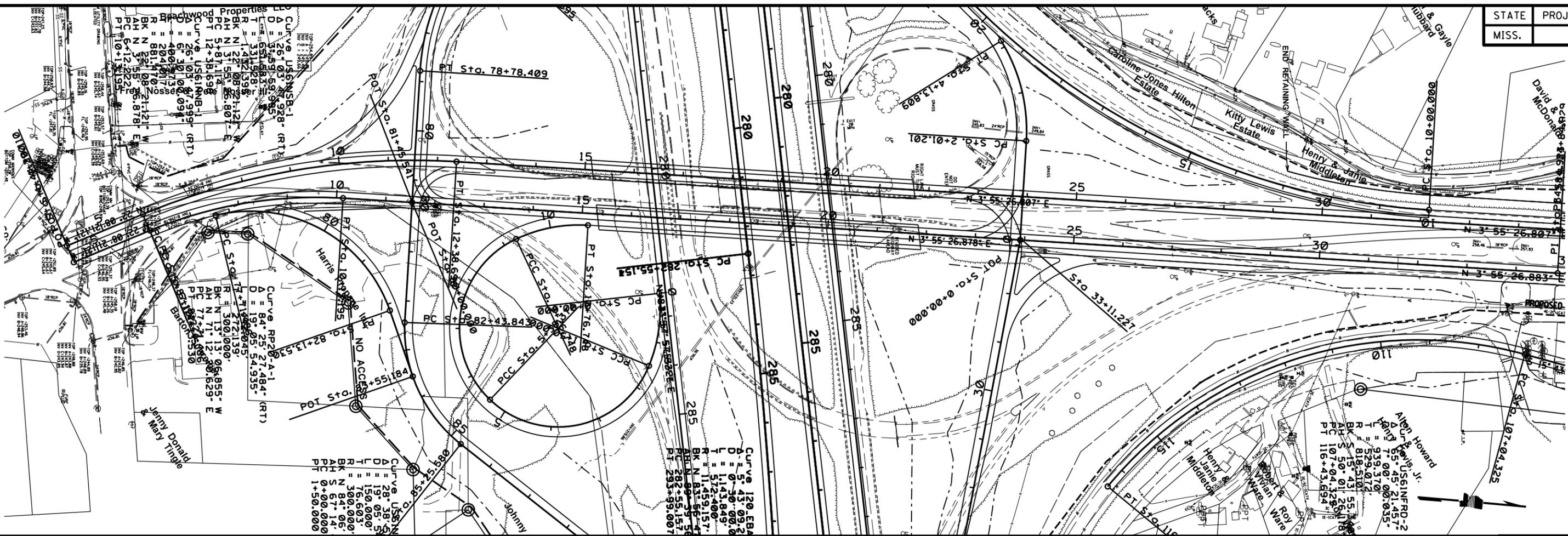
SHEET NUMBER



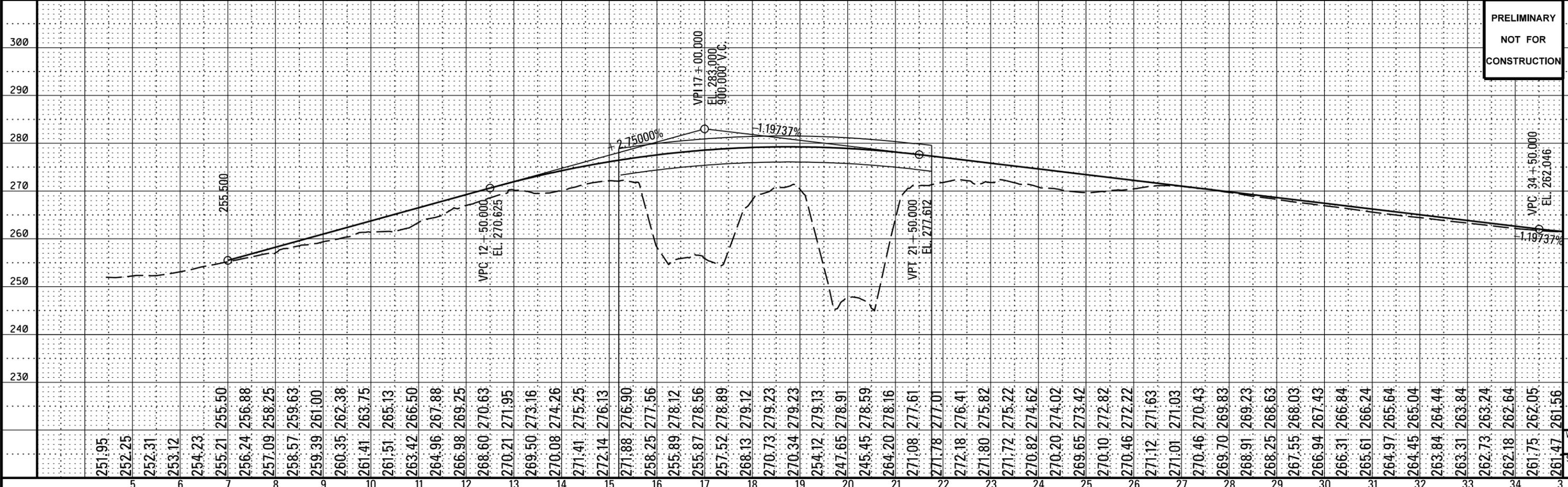
2/29/2012 10:24 AM HTL HWY A&K L20 VLDKS-ACCT 6562 PROJECT1-WAYALNRP20-1.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION



PRELIMINARY
NOT FOR
CONSTRUCTION

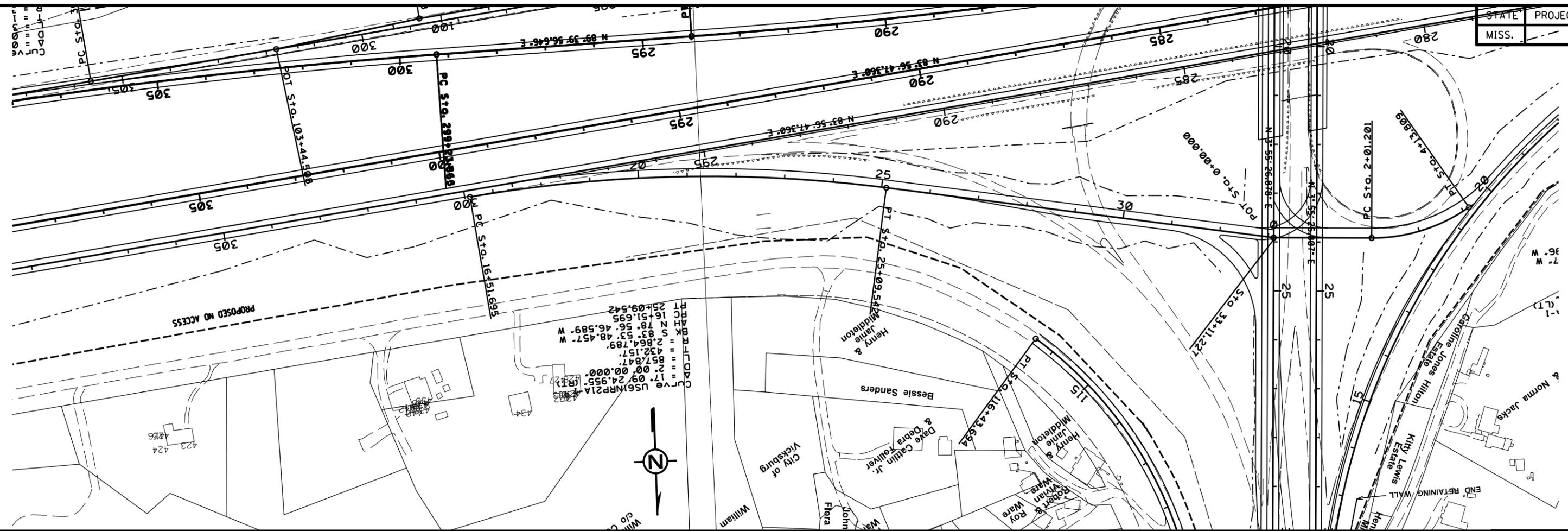


MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 MIDDY 026 AMPH.DGN FILENAME

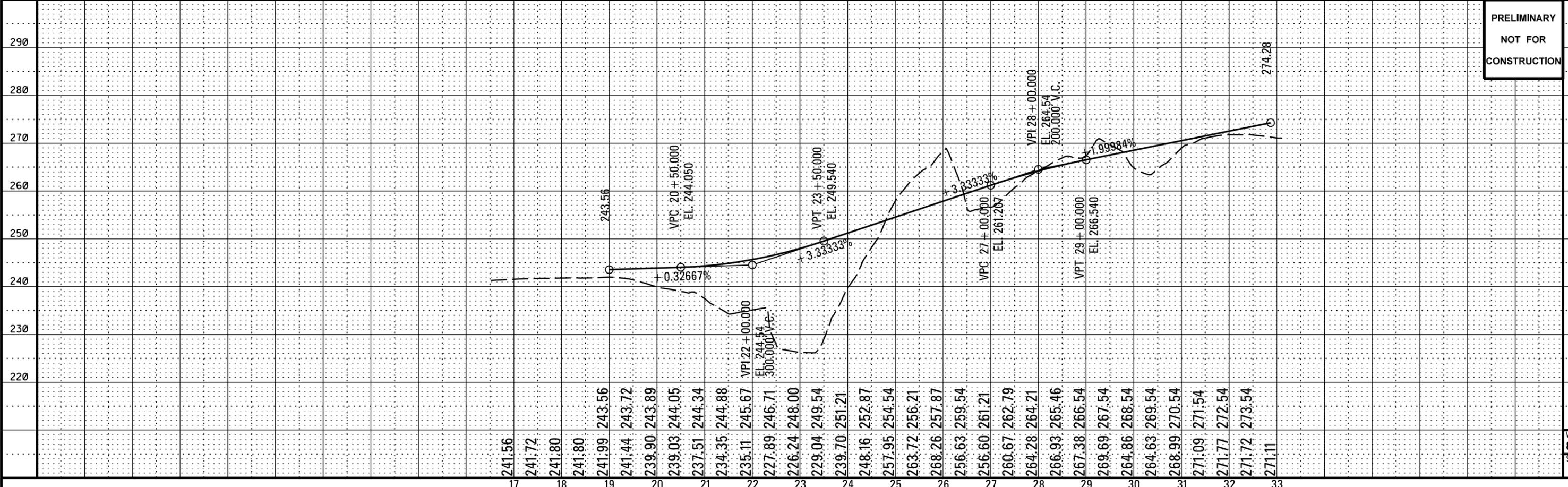


PRELIMINARY
NOT FOR
CONSTRUCTION

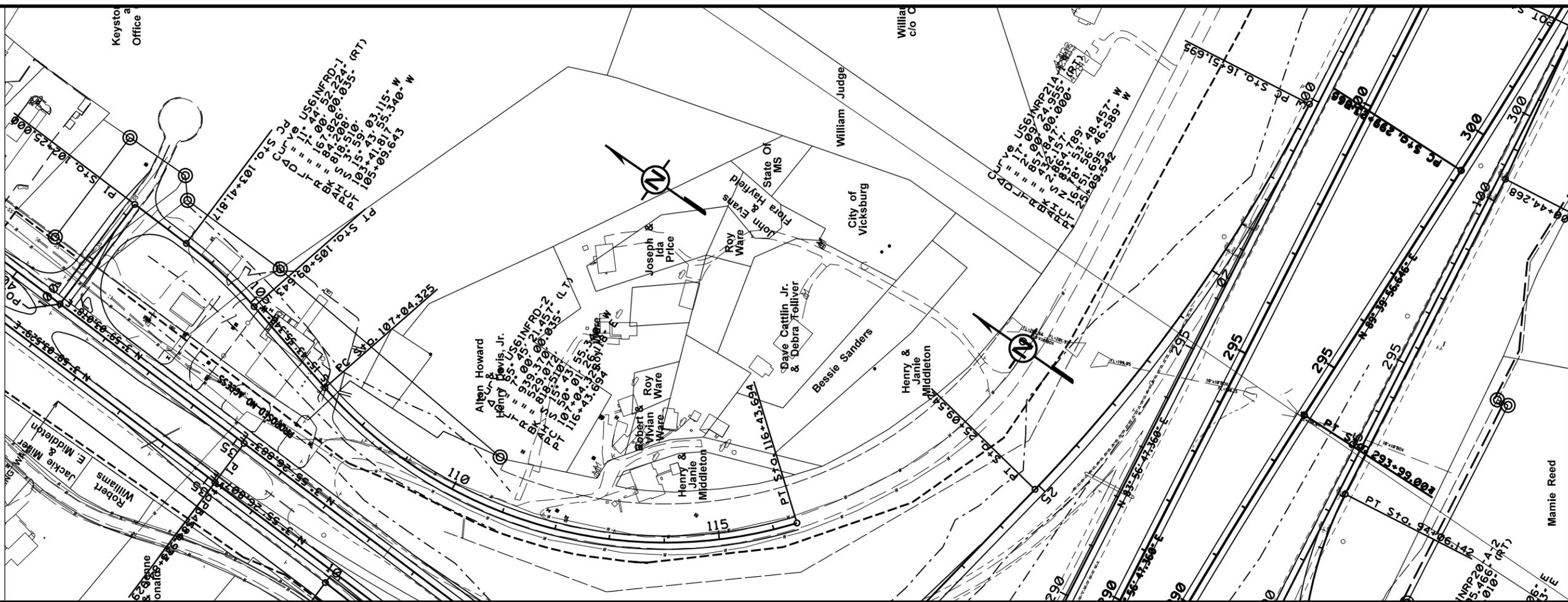
WK. SH.
88-1.1
SH. No.



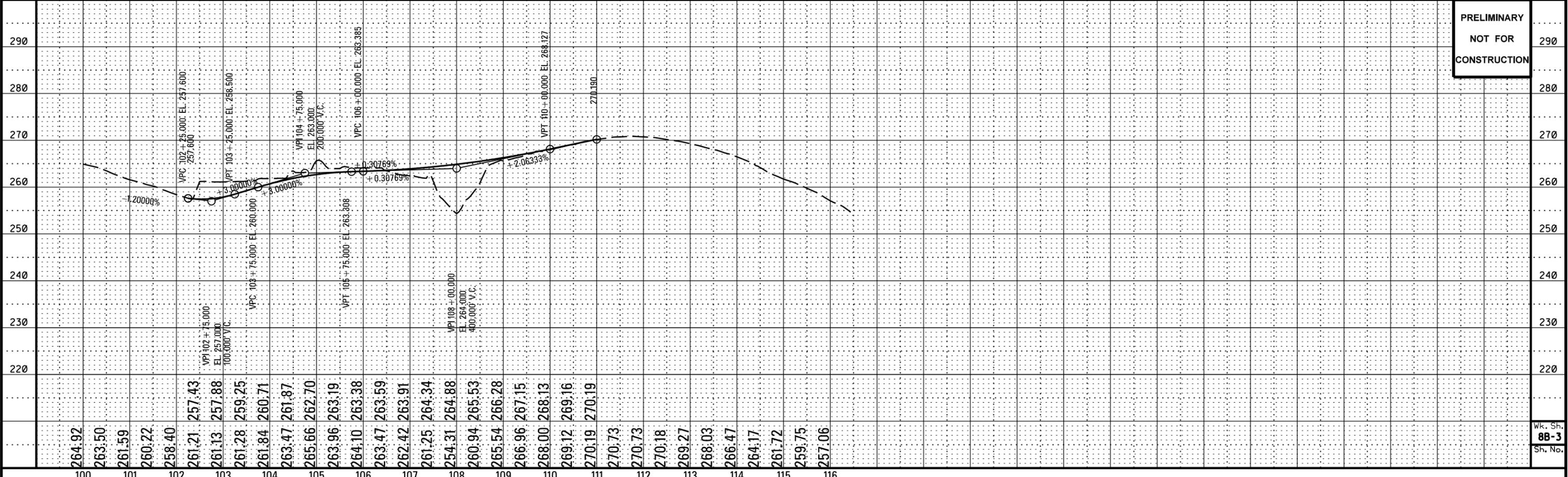
2/29/2012 10:29:54 61NRP21A-1.DGN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

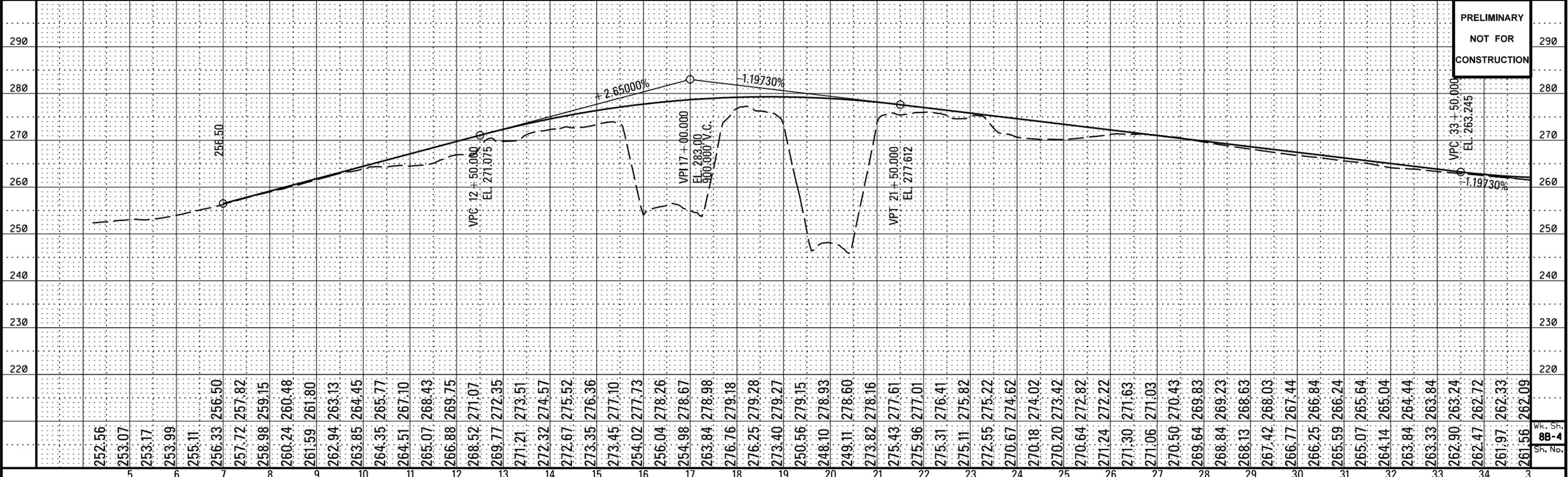
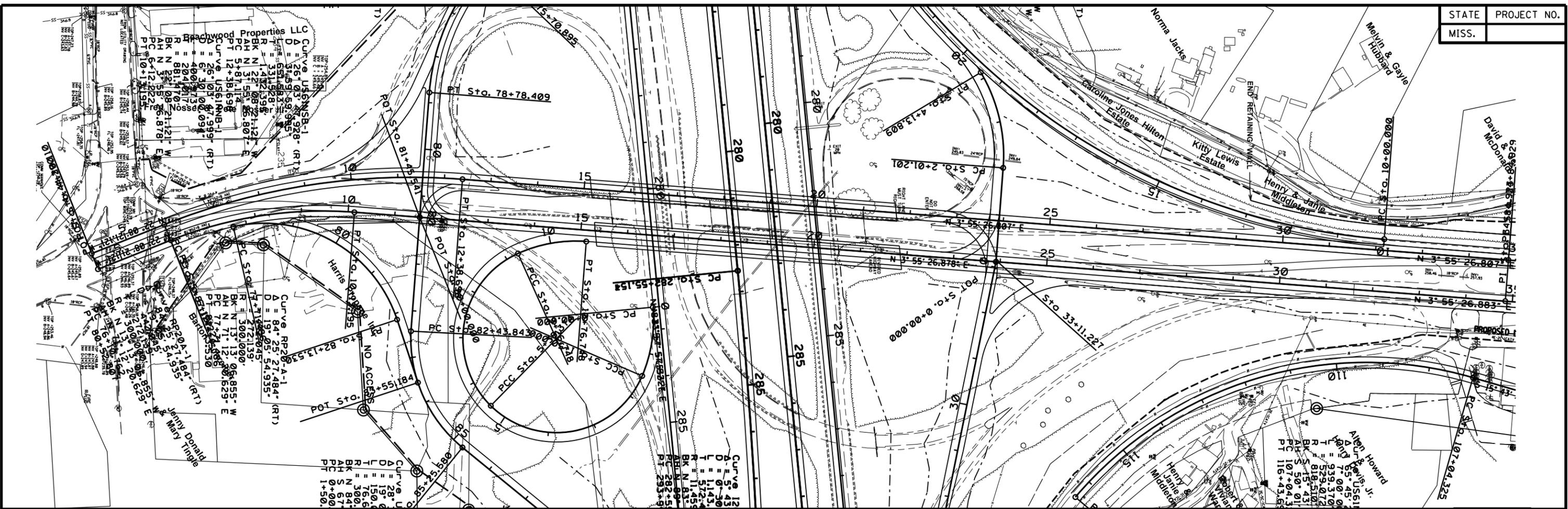


PRELIMINARY
NOT FOR
CONSTRUCTION



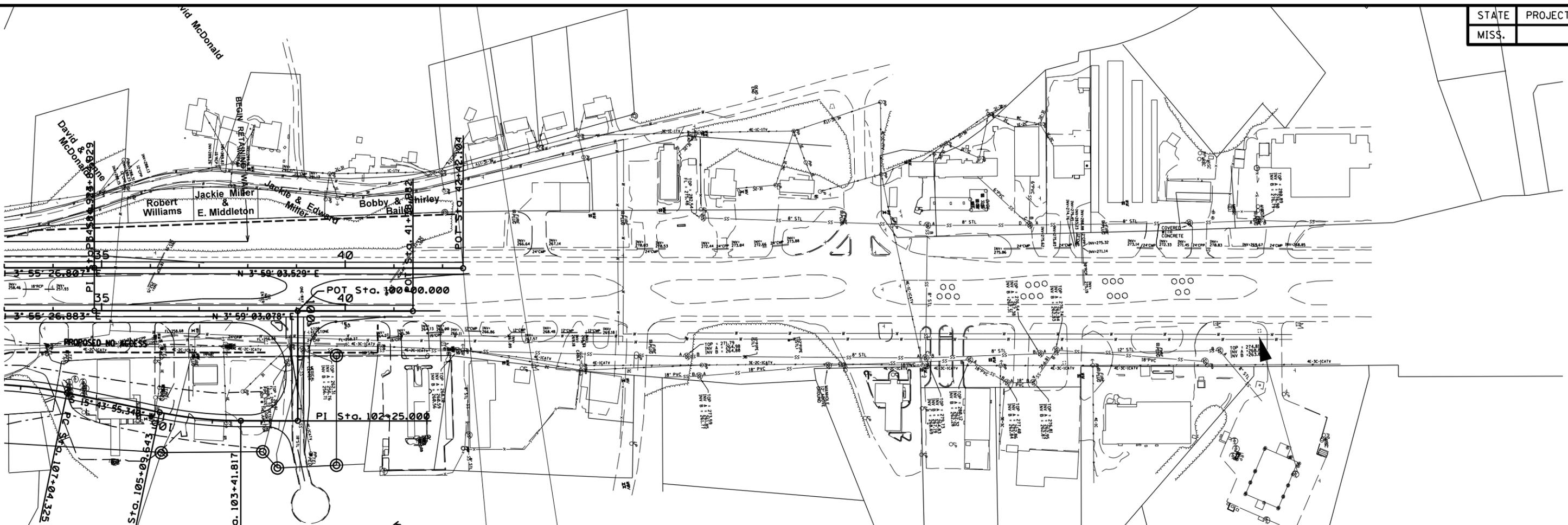
2/29/2012 10:31:10 61NRRD-2.DGN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



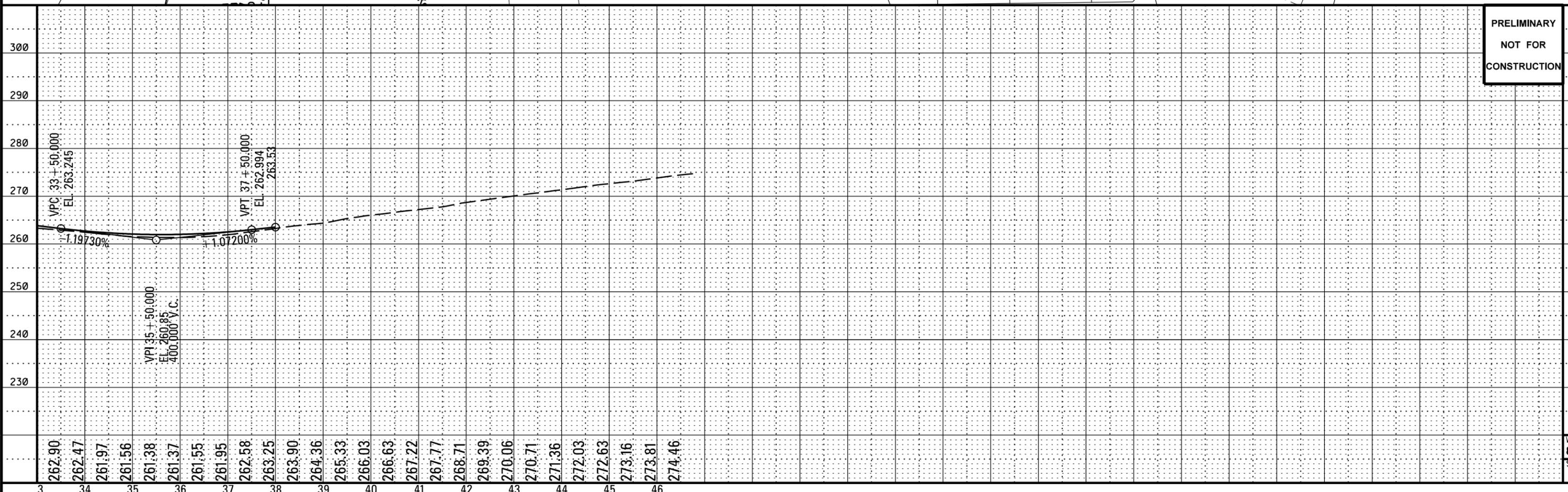


PRELIMINARY
NOT FOR
CONSTRUCTION

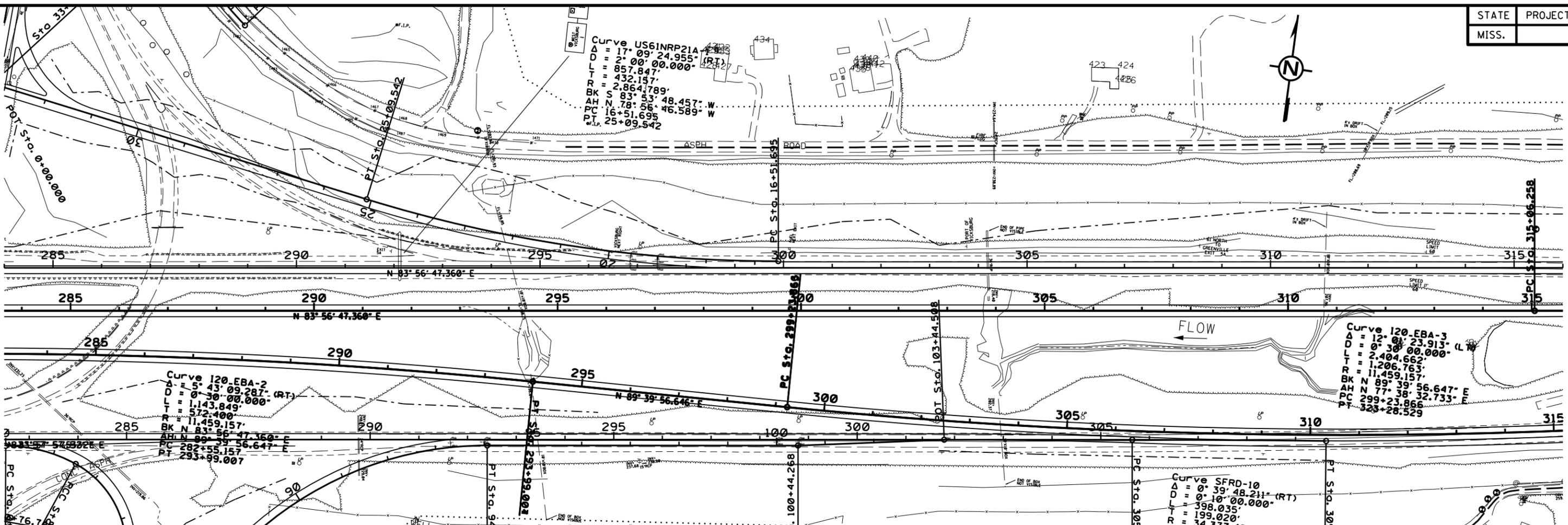
2/29/2012 10:31:58 US61NSB-1.DGN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



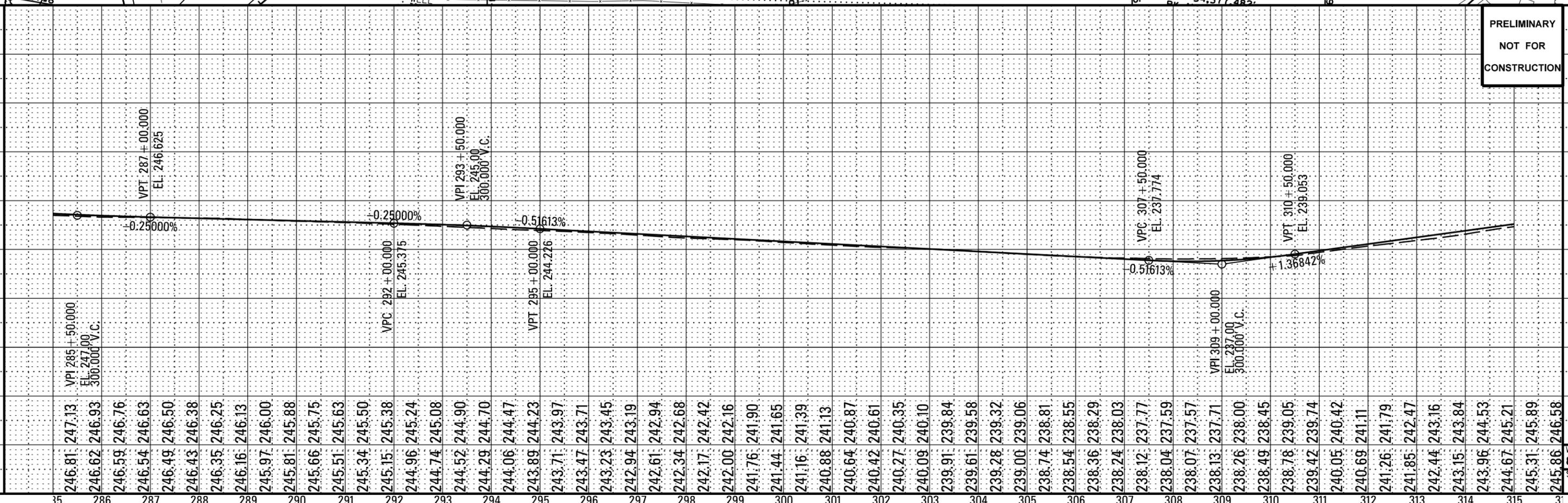
2/29/2012 10:32:31 US61NSB-2.DGN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



PRELIMINARY
NOT FOR
CONSTRUCTION

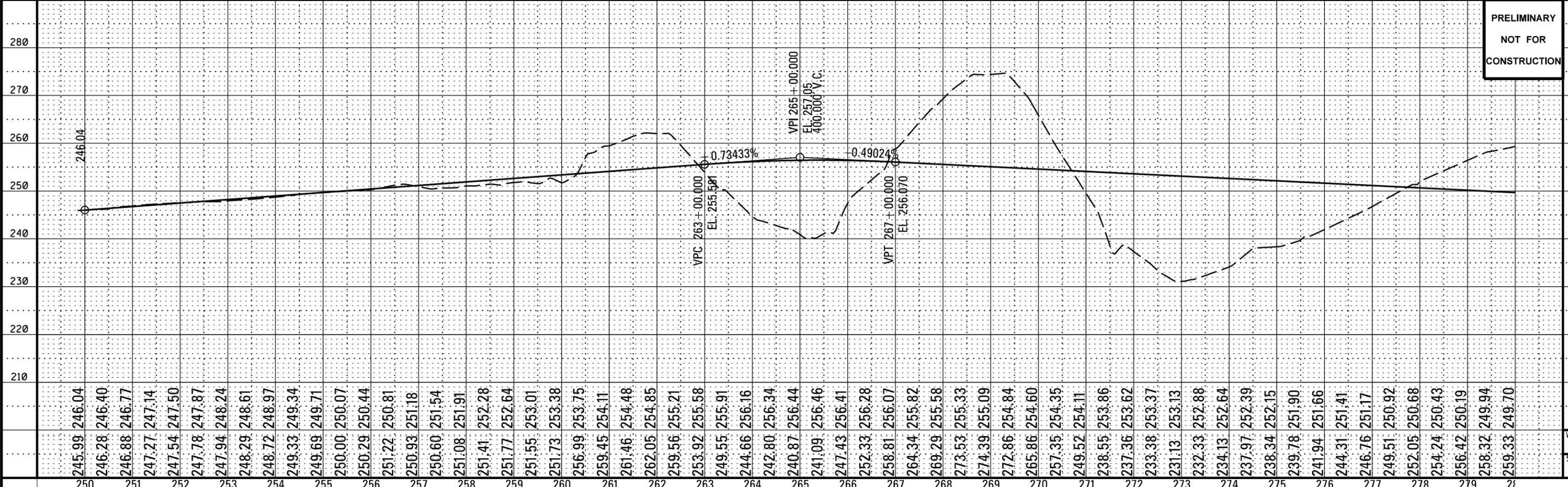
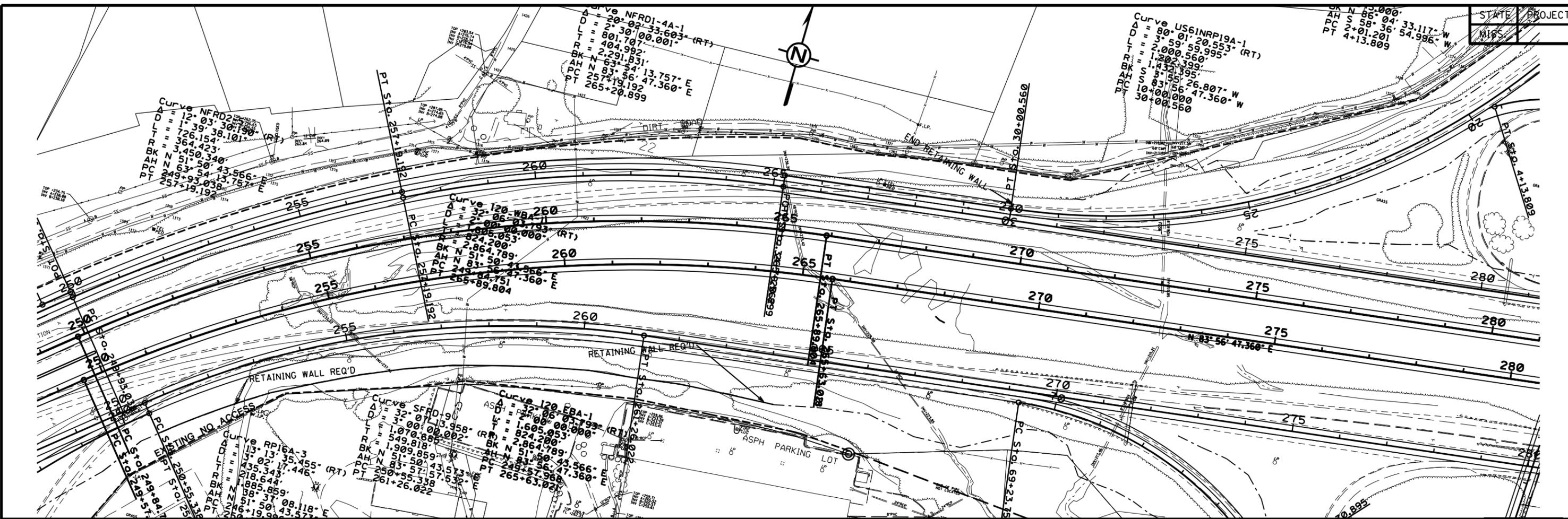


2/29/2012 10:58:45 P:\FRD1A2.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION

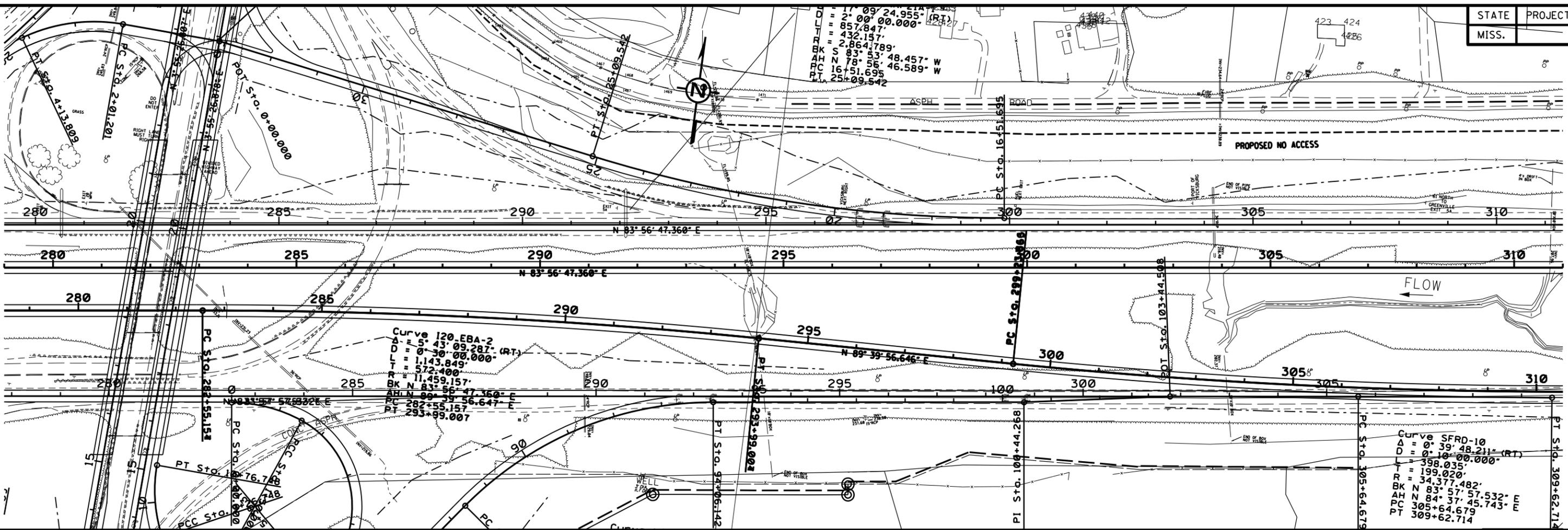


PRELIMINARY
 NOT FOR
 CONSTRUCTION

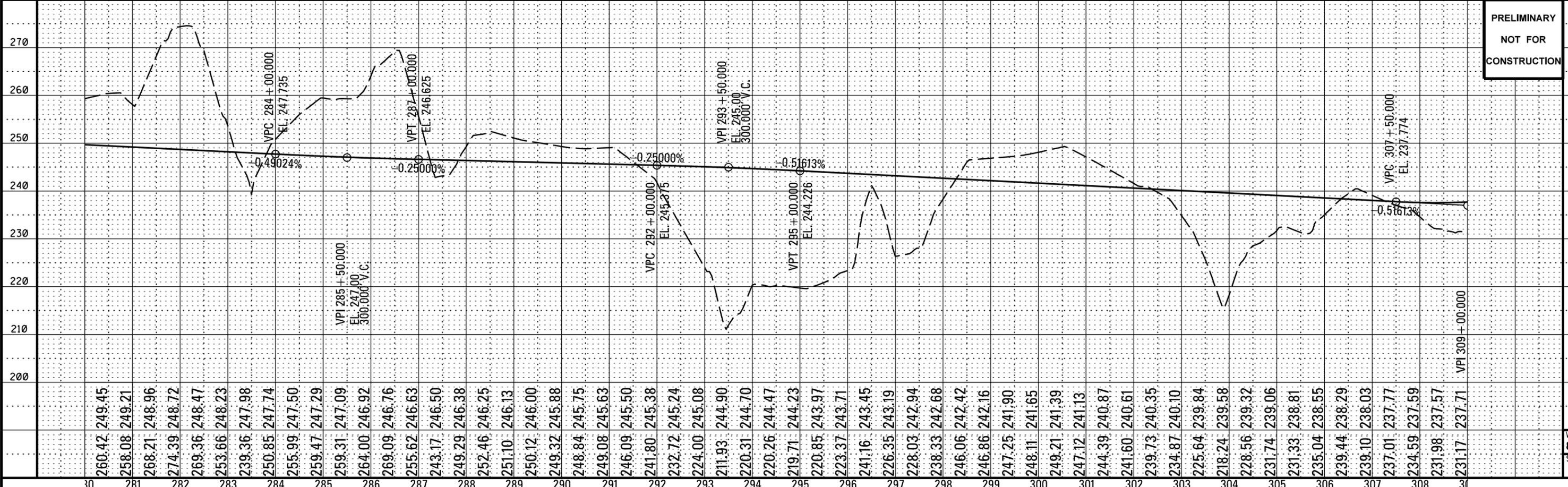
WK. SH.
 BC-2.1
 SH. No.



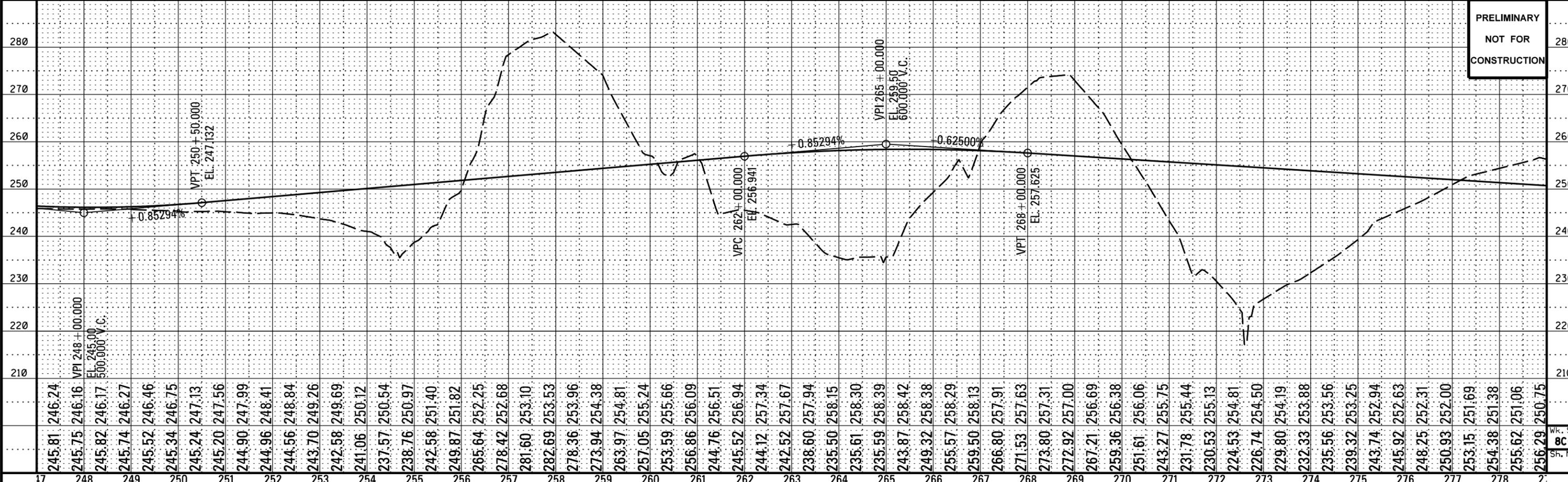
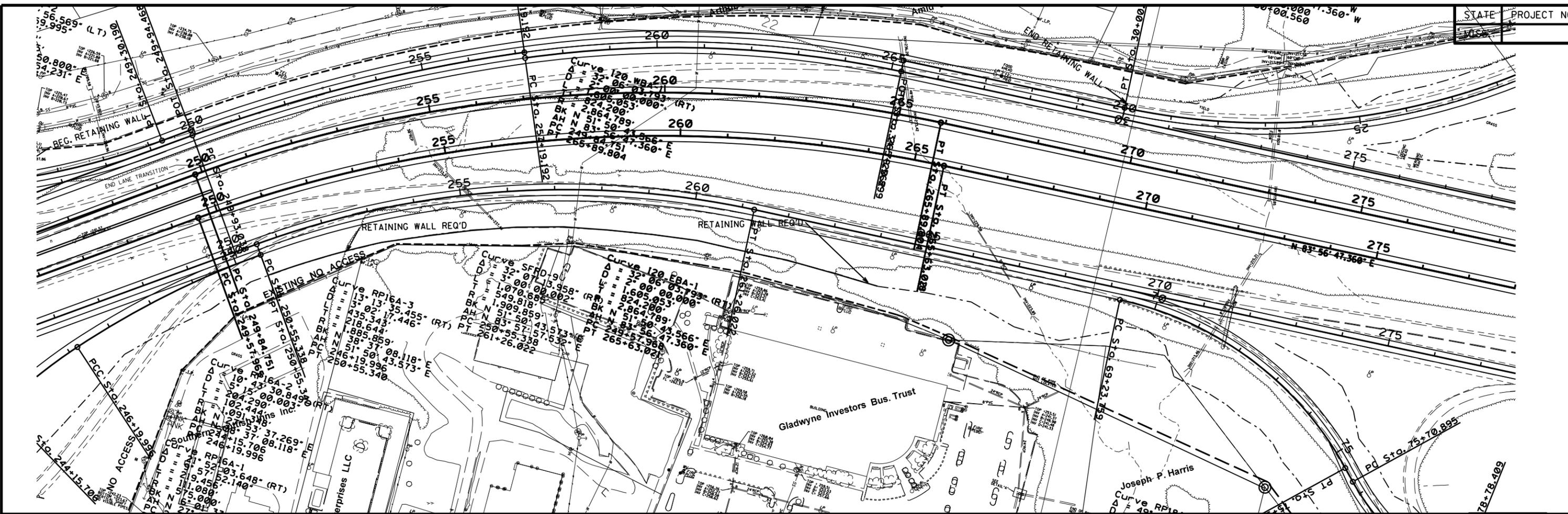
PRELIMINARY
NOT FOR
CONSTRUCTION



2/29/2012 10:40:23 20_WBA-2.DGN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

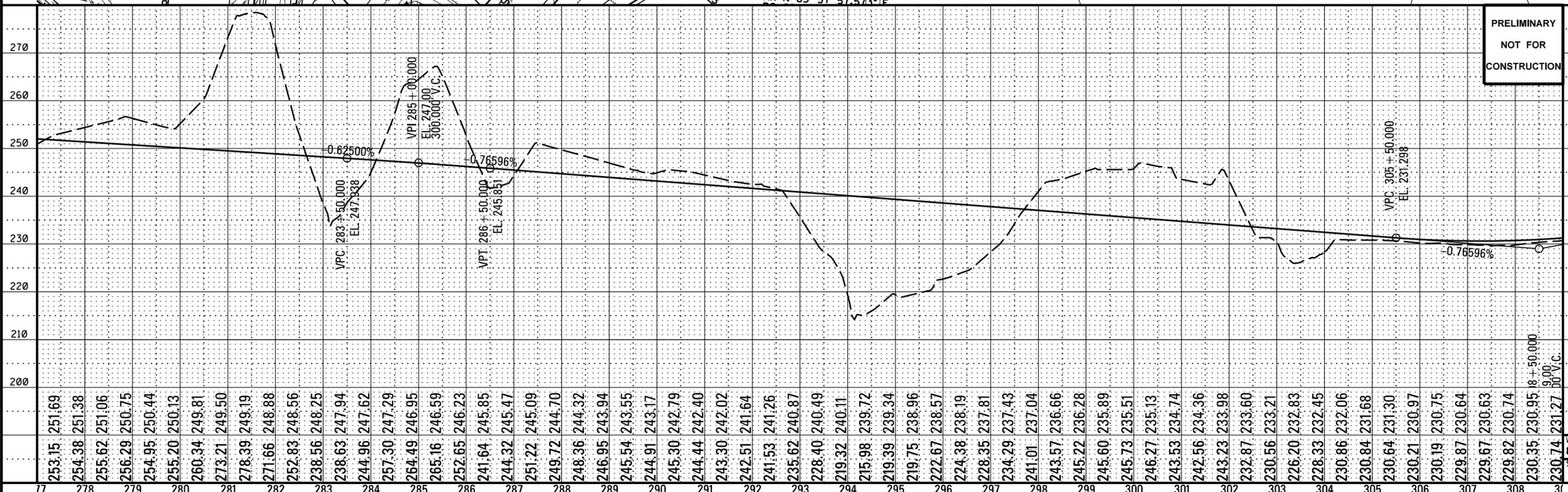
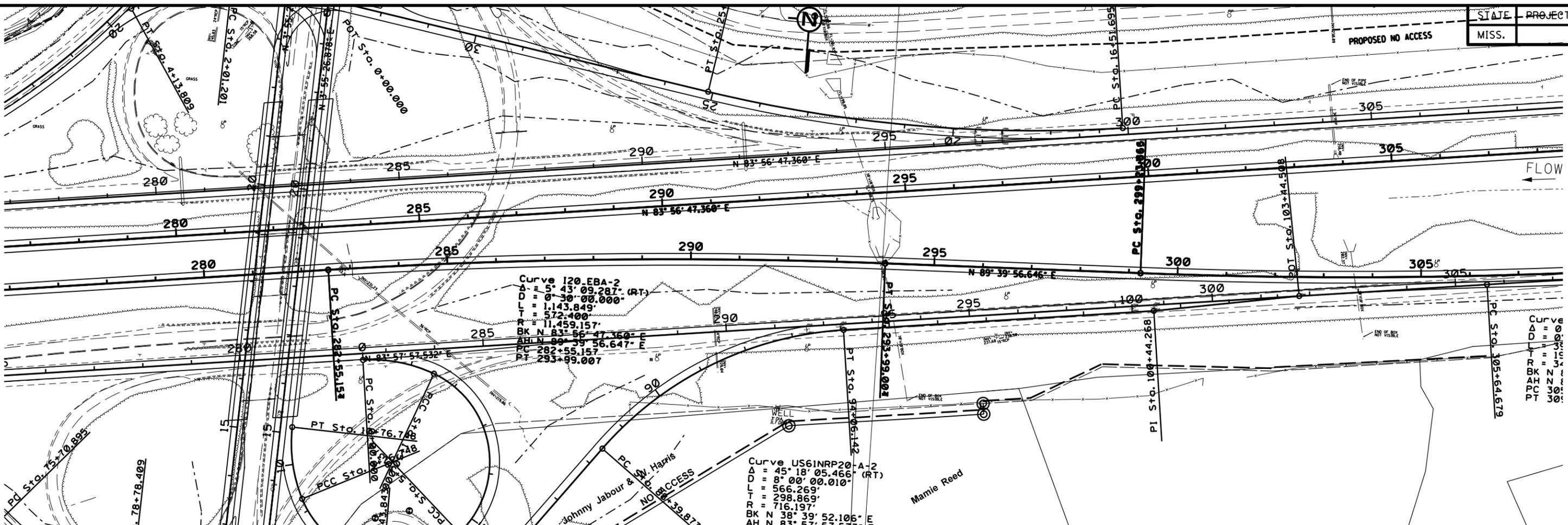


PRELIMINARY
NOT FOR
CONSTRUCTION



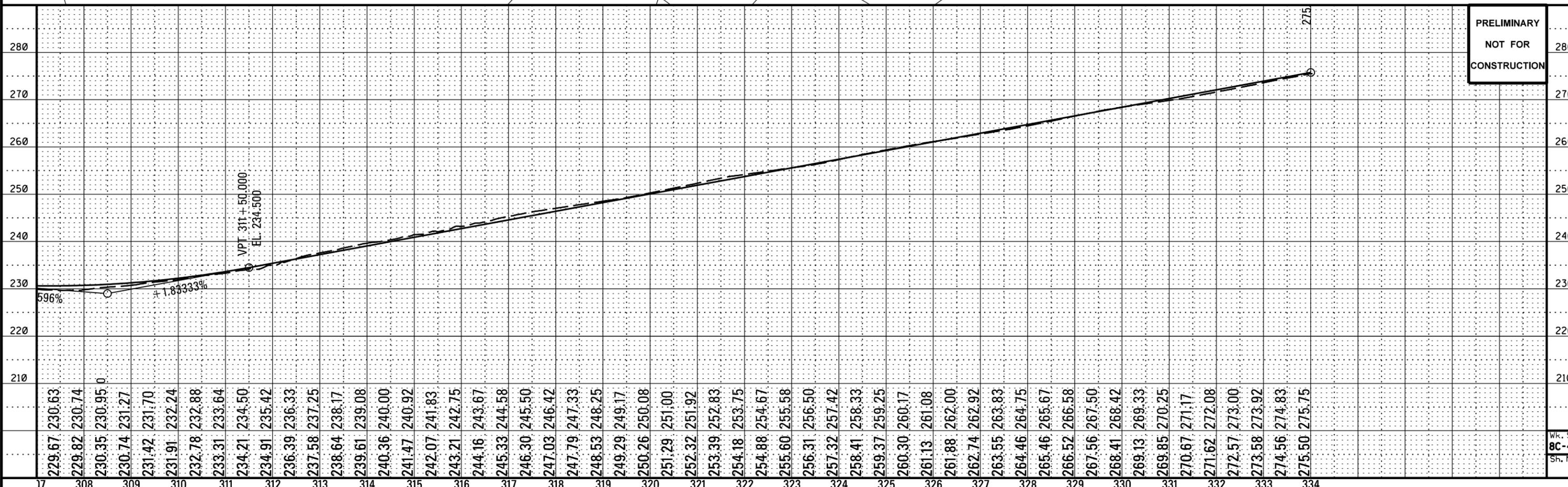
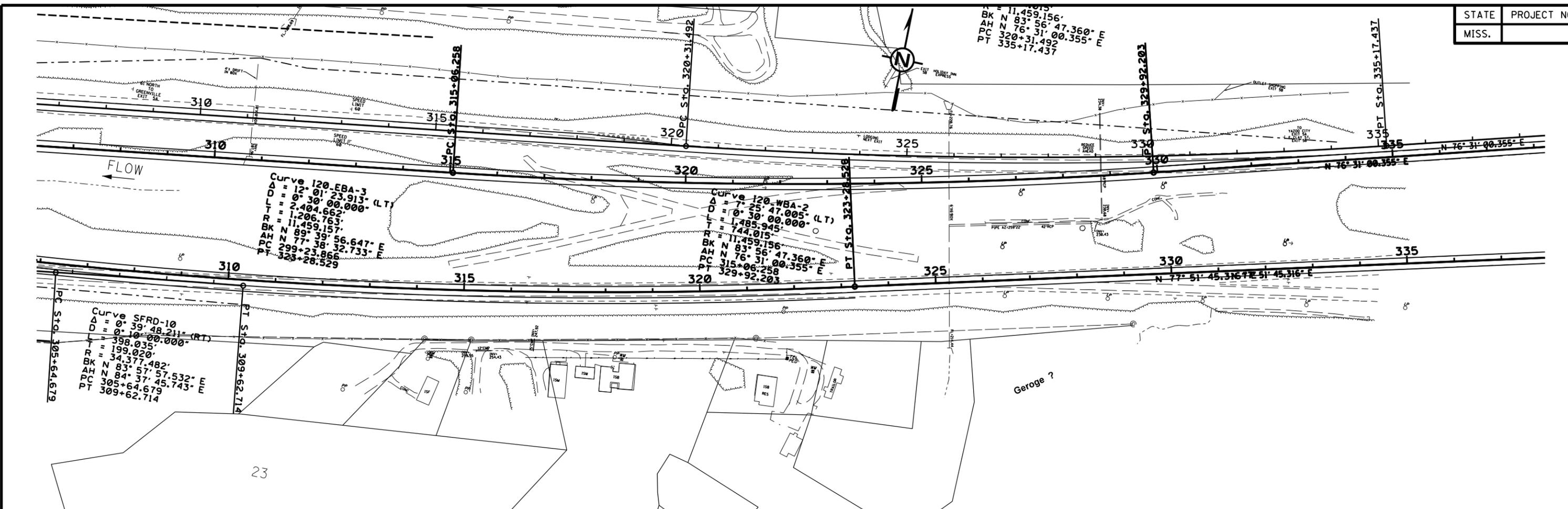
PRELIMINARY
NOT FOR
CONSTRUCTION

2/29/2012 10:41:38 20EB-9.DGN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION



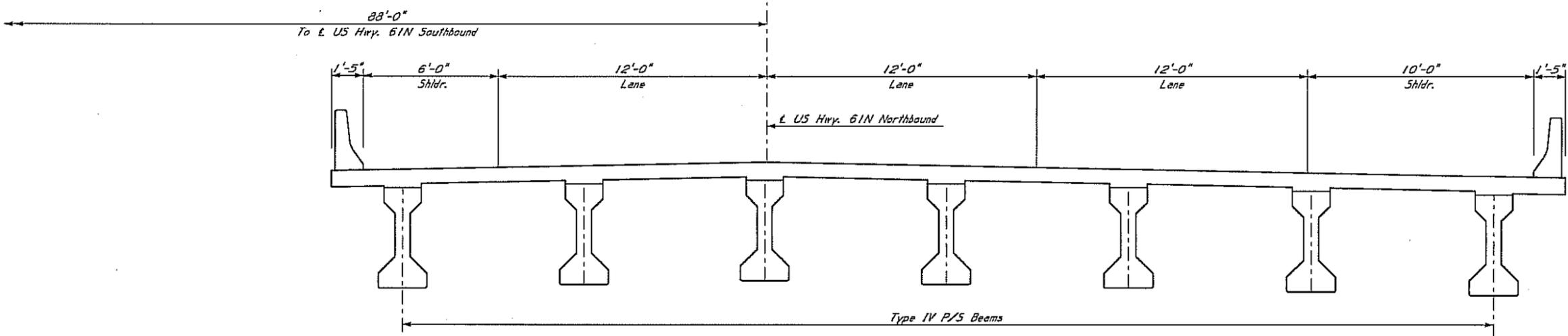
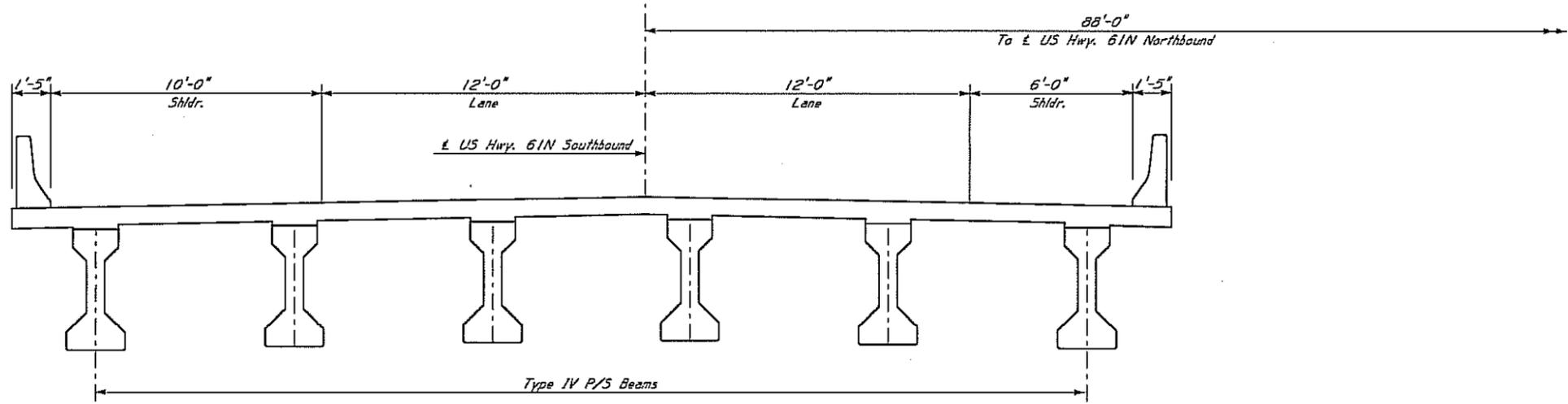
PRELIMINARY
NOT FOR
CONSTRUCTION

2/29/2012 10:42:05 20EB-10.DGN
 ROADWAY DESIGN DIVISION
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION



2/29/2012 10:42:37 20EB-11.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 STATE HIGHWAY 101

Wk. Sh. No. 8C-4.2
 Sh. No.



FILE: QFILES USER: DJUSERS
 DATE: 01/10/00 TIME: 01:00



PRELIMINARY
 NOT FOR
 CONSTRUCTION

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
		I-20 VICKSBURG	
		US HWY. 61N OVER	
		I-20 & FRONTAGE ROADS	
DATE	DESIGNED	DATE	Detailed
	CHECKED	DATE	ISSUED
			TRACED
			CADD
			DATE

WORKING NUMBER
BT58-1

SHEET NUMBER

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE A)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: TWO-LANE NEW LOCATION (Type 3 Access) ▼

Rural/Urban: Rural ▼ Grading: Yes ▼

Rolling/Flat: Rolling ▼ Paving: Yes ▼

Length in Miles: 0.68

Grading Cost Per Mile: \$530,000

Paving Cost Per Mile: \$490,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.68	x	\$530,000	x	115%	\$414,460
Paving Cost:	0.68		\$490,000	x	115%	\$383,180
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$797,640

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,800,000

(Includes Engineering and contingencies)

Remarks:

RAMP 20: Estimate length as twice actual to compensate for Interstate base and pavement, extra earthwork, and traffic control.

Prepared By: Aubrey Kopf Senior Certified Engineering Technician
Signature Title

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B1)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.35

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.35	x	\$1,910,000	x	115%	\$768,775
Paving Cost:	0.35		\$3,470,000	x	115%	\$1,396,675
Bridge cost:	35,804	x	\$75.00	x	115%	\$3,088,095
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$5,253,545

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$11,500,000

(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln and for Loop and for portion of Ramp 21A

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Summary of Projected Bridge Cost

	<u>FMS</u>		<u>External</u>
PE:	x		x
ROW:	x		x
Construction:	x		x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B1)
 County: WARREN
 Lettingday: 06/30/2036

	<u>Area of Bridge*</u>		<u>Per SF</u>		<u>Cost</u>	<u>Remarks</u>
Interchange Bridges	0	x	\$77	=	\$0	
Hydraulic Concrete Spans	0	x	\$75	=	\$0	
Grade Separations	0	x	\$77	=	\$0	
Steel Structures	0	x	\$145	=	\$0	
US61N NB	35,804	x	\$75	=	\$2,685,300	
		x	\$125	=	\$0	
		x	\$75	=	\$0	
		x	\$125	=	\$0	
Other Bridges	0	x	\$100	=	\$0	
	35,804	x	\$75.00	=	\$2,685,300	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B2)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.11

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.11	x	\$1,910,000	x	115%	\$241,615
Paving Cost:	0.11		\$3,470,000	x	115%	\$438,955
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$680,570

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,500,000

(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln (S.W. Ramp @US61N Interchange)

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B3)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: TWO-LANE NEW LOCATION (Type 3 Access) ▼

Rural/Urban: Rural ▼ Grading: Yes ▼

Rolling/Flat: Rolling ▼ Paving: Yes ▼

Length in Miles: 0.42

Grading Cost Per Mile: \$530,000

Paving Cost Per Mile: \$490,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.42	x	\$530,000	x	115%	\$255,990
Paving Cost:	0.42		\$490,000	x	115%	\$236,670
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$492,660

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,100,000

(Includes Engineering and contingencies)

Remarks:

61N FR RD - 100+00 to 111+00 Increased mileage by 100% to compensate for intersection and crossover.

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B4)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 2A/2B Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.19

Grading Cost Per Mile: \$1,920,000

Paving Cost Per Mile: \$2,250,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.19	x	\$1,920,000	x	115%	\$419,520
Paving Cost:	0.19		\$2,250,000	x	115%	\$491,625
Bridge cost:	35,804	x	\$75.00	x	115%	\$3,088,095
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	3.00	x	\$300,000.00	x	115%	\$1,035,000
Total Estimate:						\$5,034,240

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Remove 3 bridges [Existing ramp I-20 EB to US61N NB][Existing US61N over I-20 WB and over I-20 EB]

Anticipating a 3% inflation factor per year, the estimated construction cost is \$11,100,000

(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln [New US61N SB bridge approaches & completion of NE Ramp]

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Summary of Projected Bridge Cost

	<u>FMS</u>		<u>External</u>
PE:	x		x
ROW:	x		x
Construction:	x		x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B4)
 County: WARREN
 Lettingday: 06/30/2036

	<u>Area of Bridge*</u>		<u>Per SF</u>		<u>Cost</u>	<u>Remarks</u>
Interchange Bridges	0	x	\$77	=	\$0	
Hydraulic Concrete Spans	0	x	\$75	=	\$0	
Grade Separations	0	x	\$77	=	\$0	
Steel Structures	0	x	\$145	=	\$0	
US61N SB	35,804	x	\$75	=	\$2,685,300	
		x	\$125	=	\$0	
		x	\$75	=	\$0	
		x	\$125	=	\$0	
Other Bridges	0	x	\$100	=	\$0	
	35,804	x	\$75.00	=	\$2,685,300	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C1 & C1.1)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.49

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.49	x	\$1,910,000	x	115%	\$1,076,285
Paving Cost:	0.49		\$3,470,000	x	115%	\$1,955,345
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	1.00	x	\$1,331,000.00	x	115%	\$1,530,650
Total Estimate:						\$4,562,280

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall - 7+00 to 13+00 @ Est. \$100.00 / sf = \$1,331,000

Anticipating a 3% inflation factor per year, the estimated construction cost is \$10,000,000

(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln with extensive and extended traffic control for construction of the wall.

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External
 PE: x x
 ROW: x x
 Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C2)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: ADD 2 LANES TO EXISTING 4 LANE (OVERLAY OLD LANES) ▼
 Rural/Urban: Rural ▼ Grading: Yes ▼
 Rolling/Flat: Rolling ▼ Paving: Yes ▼

Length in Miles: 0.50

Grading Cost Per Mile: \$620,000

Paving Cost Per Mile: \$2,200,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.50	x	\$620,000	x	115%	\$356,500
Paving Cost:	0.50		\$2,200,000	x	115%	\$1,265,000
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$1,621,500

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$3,600,000

(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of "Adding 2 LANES TO EXISTING 4 LANE (OVERLAY OLD LANES)"

Prepared By: Aubrey Kopf Senior Certified Engineering Technician
 Signature Title

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C3) (250+00 TO 335+00)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.80

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.80	x	\$1,910,000	x	115%	\$1,757,200
Paving Cost:	0.80		\$3,470,000	x	115%	\$3,192,400
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$4,949,600

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$10,900,000

(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of 4-Ln Interstate roadway.

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C4)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access) ▼

Rural/Urban: Rural ▼ Grading: Yes ▼

Rolling/Flat: Rolling ▼ Paving: Yes ▼

Length in Miles: 0.63

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.63	x	\$1,910,000	x	115%	\$1,383,795
Paving Cost:	0.63		\$3,470,000	x	115%	\$2,514,015
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$3,897,810

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$8,600,000

(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of 4-Ln Interstate roadway

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature **Title**

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 MISC.)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: ▼

Rural/Urban: Rural ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.00

Grading Cost Per Mile: \$0

Paving Cost Per Mile: \$0 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	\$0	x	115%	\$0
Paving Cost:	0.00		\$0	x	115%	\$0
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	1.00	x	\$1,543,144.00	x	115%	\$1,774,616
Total Estimate:						\$1,774,616

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -0.5(\$380,000)+\$380,000=\$570,000 : Signals -(3)@\$150,000 = \$450,000: Signing- (2%) of \$26,157,206=\$523,144: Total Misc.=\$1,543,144

Anticipating a 3% inflation factor per year, the estimated construction cost is \$3,900,000

(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title