Alternative C

Possible Project 7

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

P.E.

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

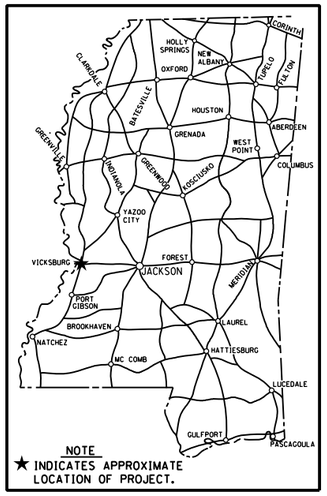
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE C, PROJECT 7

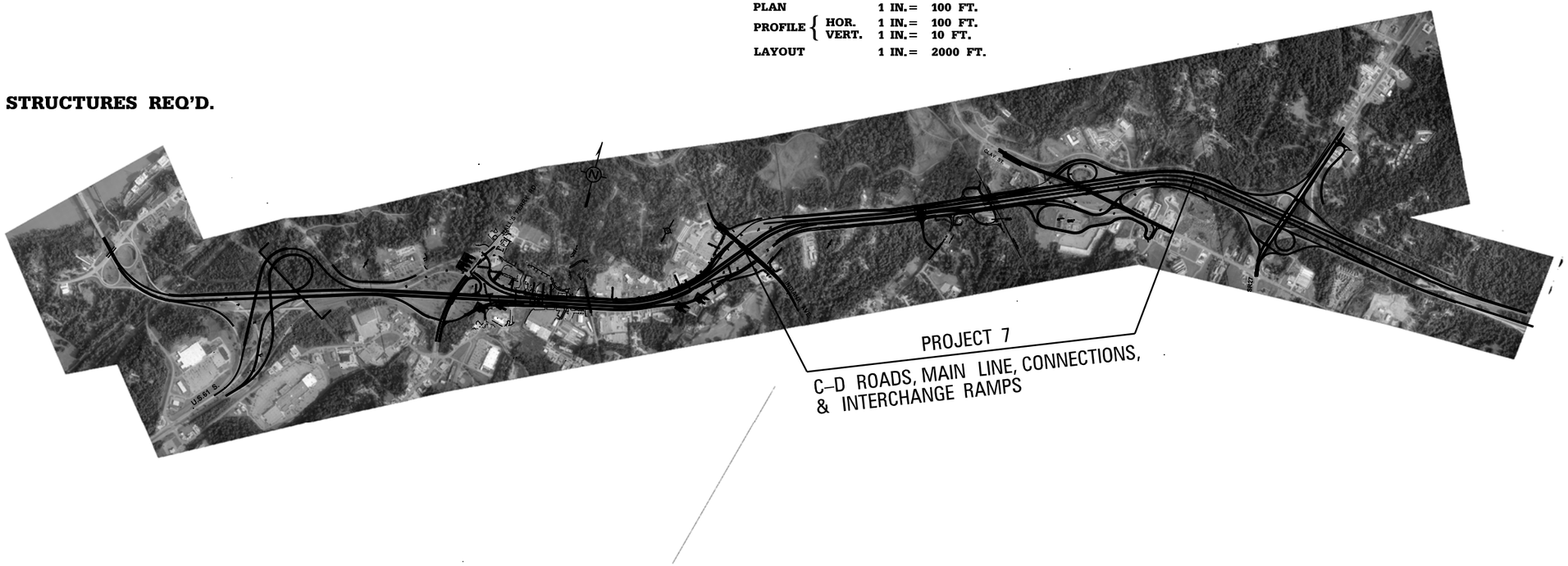
SCALES

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



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

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	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐	
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+KNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

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

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS	BY	DATE

APPROVED:

CHIEF ENGINEER — DATE

EXECUTIVE DIRECTOR — DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 16:22:15 TITLE ALTERNATIVE C-7.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI7-1*	
TYPICAL SECTIONS (8)		
INDIANA AVENUE OVER I-20	*TS7-A*	
INDIANA AVENUE (PHASE A1)	*TS7-A1*	
NORTH FRONTAGE ROAD (C/D) BETWEEN STA. 239+00 AND STA. 264+00 (AT STA. 259+00 SHOWING RETAINING WALL LT.)	*TS7-A2*	
INTERCHANGE RAMPS AND LOOPS	*TS7-A3*	
TEMPORARY CONNECTIONS AND PORTERS CHAPEL ROAD CONNECTION	*TS7-A4*	
I-20 WESTBOUND AND EASTBOUND AT STA. 196+00 AND STA. 228+00	*TS7-B*	
INTERCHANGE RAMPS 9, 10, 11	*TS7-C1*	
NORTH FRONTAGE ROAD AT STA. 128+00 AND STA. 133+00 AND SOUTH FRONTAGE ROAD AT STA. 126+00	*TS7-C2*	
CONSTRUCTION PLANS (9)		
PHASE A		
PHASE A1		
PHASE A2		
PHASE A3		
PHASE A4		
PHASE B		
PHASE B		
PHASE B		
PHASE C		
PHASE D		
PHASE D		
PLAN & PROFILE SHEETS (25)		
PHASE 7A-1	*7A-1*	
PHASE 7A-2	*7A-2*	
PHASE 7A-2.1	*7A-2.1*	
PHASE 7A-2.2	*7A-2.2*	
PHASE 7A-3	*7A-3*	
PHASE 7A-4	*7A-4*	
PHASE 7A-5	*7A-5*	
PHASE 7A-6	*7A-6*	
PHASE 7A-7	*7A-7*	
PHASE 7A-8	*7A-8*	
PHASE 7A-9	*7A-9*	
PHASE 7B-1	*7B-1*	
PHASE 7B-2	*7B-2*	
PHASE 7B-2.1	*7B-2.1*	
PHASE 7B-2.2	*7B-2.2*	
PHASE 7B-3	*7B-3*	
PHASE 7B-4	*7B-4*	
PHASE 7C-1	*7C-1*	
PHASE 7C-2	*7C-2*	
PHASE 7C-3	*7C-3*	
PHASE 7D-1.1	*7D-1.1*	
PHASE 7D-1.2	*7D-1.2*	
PHASE 7D-1.3	*7D-1.3*	
PHASE 7D-2.1	*7D-2.1*	
PHASE 7D-2.2	*7D-2.2*	
PHASE 7D-2.3	*7D-2.3*	
BRIDGE TYPICAL SECTIONS (3)		
I-20 EASTBOUND AND WESTBOUND OVER EAST TURNAROUND AT STA. 200+00	*BTS7-1*	
I-20 EASTBOUND AND WESTBOUND OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD	*BTS7-2*	
I-20 EASTBOUND AND WESTBOUND OVER CLAY STREET	*BTS7-3*	

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

Alternative C
Project 7

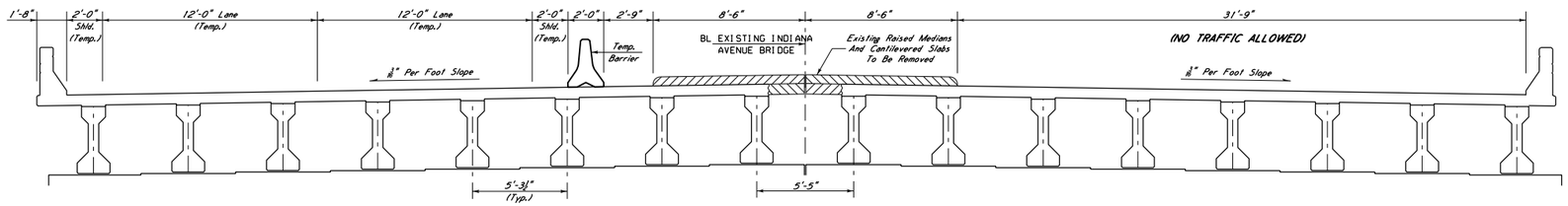
WORKING NUMBER
DI7-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

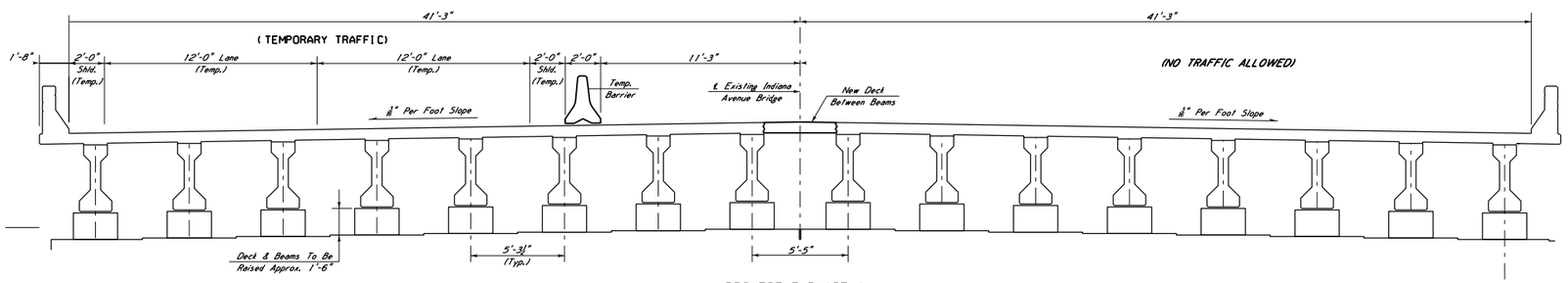
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/11/2012 09:35:33 INDEX.DGN

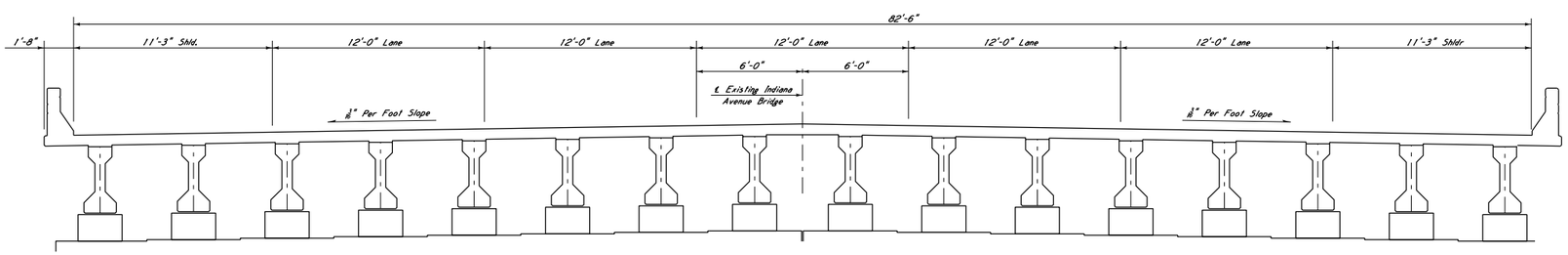
STATE	PROJECT NO.
MISS.	



AFTER BRIDGE JACKING OF PROJECT 1



PROJECT 7 PHASE A



COMPLETED PROJECT

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

INDIANA AVE OVER I-20

PROJECT NO.

COUNTY:

FILENAME:

DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER: TS7-A

SHEET NUMBER

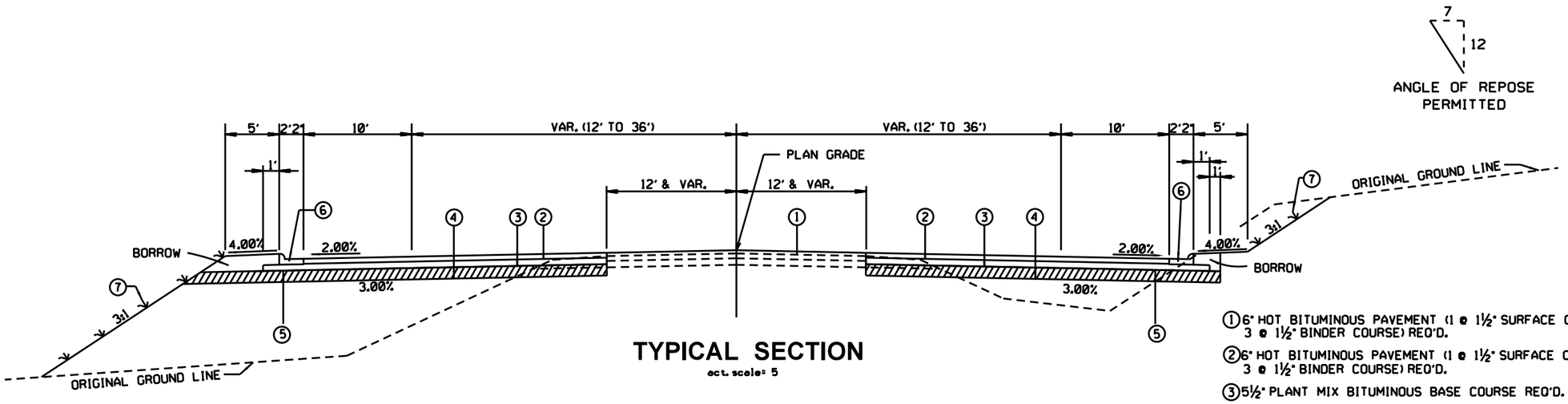
COUNTY:

DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 7 PHASE A

FILENAME:

STATE	PROJECT NO.
MISS.	

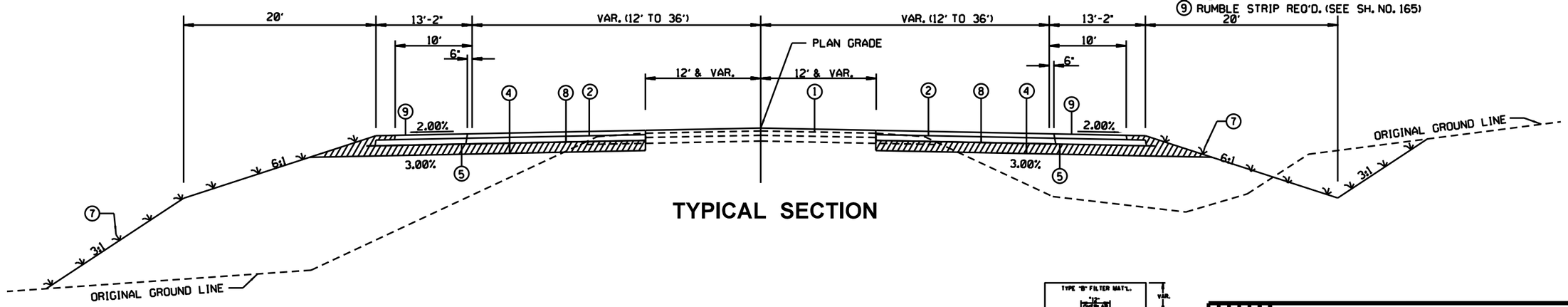


TYPICAL SECTION

act. scale= 5

ANGLE OF REPOSE PERMITTED

1. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
2. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
3. 5½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
4. 7" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
5. PRIME COAT REQ'D. - MAY BE DELETED WHEN PERMITTED BY THE ENGINEER.
6. COMBINATION CONCRETE CURB & GUTTER TYPE 3 MODIFIED REQ'D.
7. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)
8. 4½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
9. RUMBLE STRIP REQ'D. (SEE SH. NO. 165)

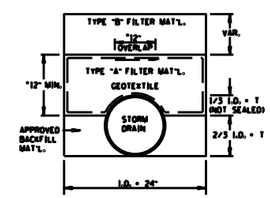


TYPICAL SECTION

*USE 1/3 I.D. + T + 2" FOR STORM DRAINS 24" DIAMETER AND LARGER

*A 6" OVERLAP SHALL BE REQUIRED AT THE END OF EACH ROLL OF GEOTEXTILE

SHALL BE INCLUDED FOR PAYMENT UNDER PAY ITEM NO. 605-AA001 GEOTEXTILE FABRIC FOR SUBSURFACE DRAINAGE PER SQ.YD.



NOTE: LOCATION IN CUTS

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
INDIANA AVENUE
(PHASE A1)

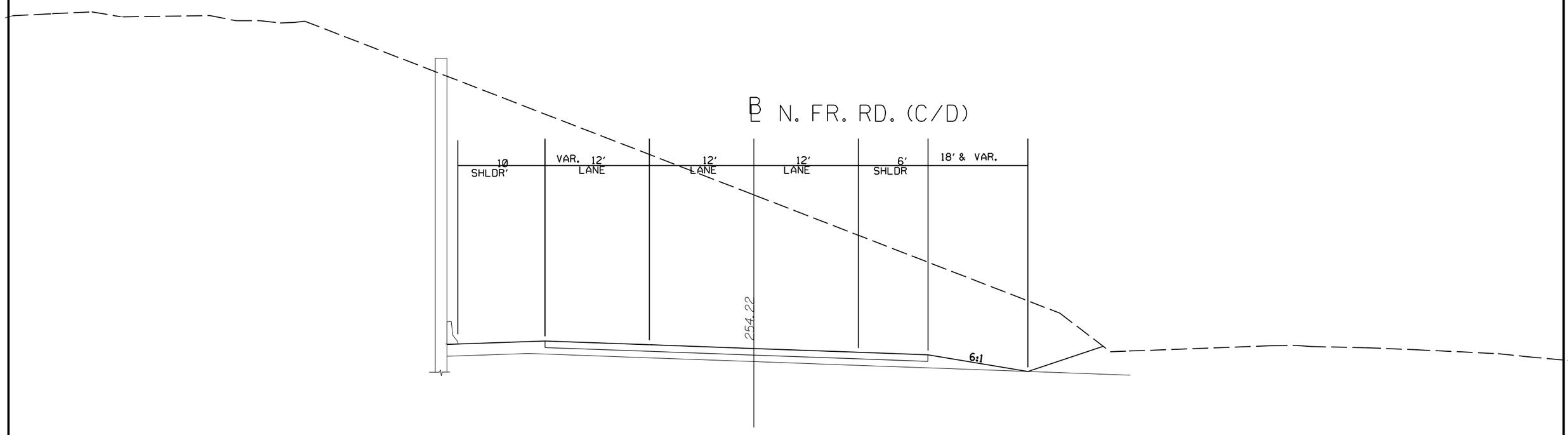
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS7-A1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 7 PHASE A1
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
N. FR. RD. (C/D)
FROM 246+00 TO 270+00 SHOWING RETAINING WALL LT.
(CUT SECTION SHOWN)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
NORTH FRONTAGE RD. (C/D)
FROM 246+00 TO 270+00
SHOWING RETAINING WALL LT.

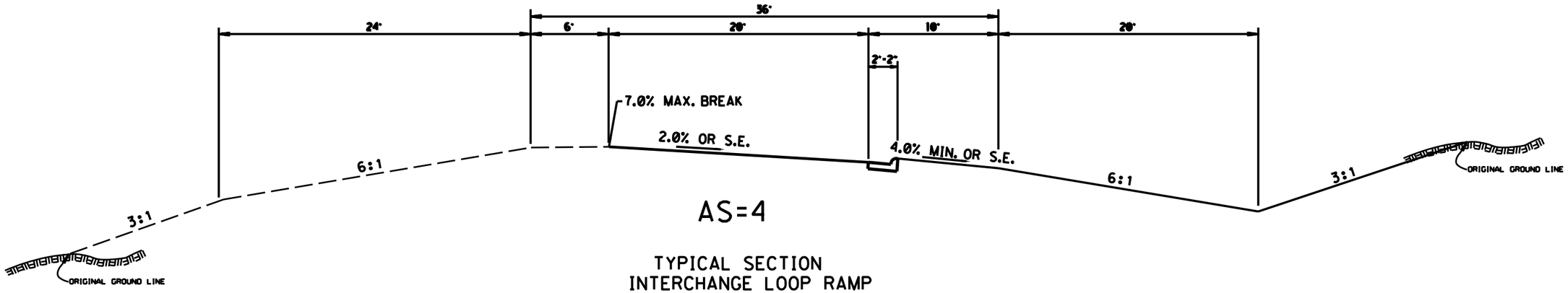
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER TS7-A2
SHEET NUMBER

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



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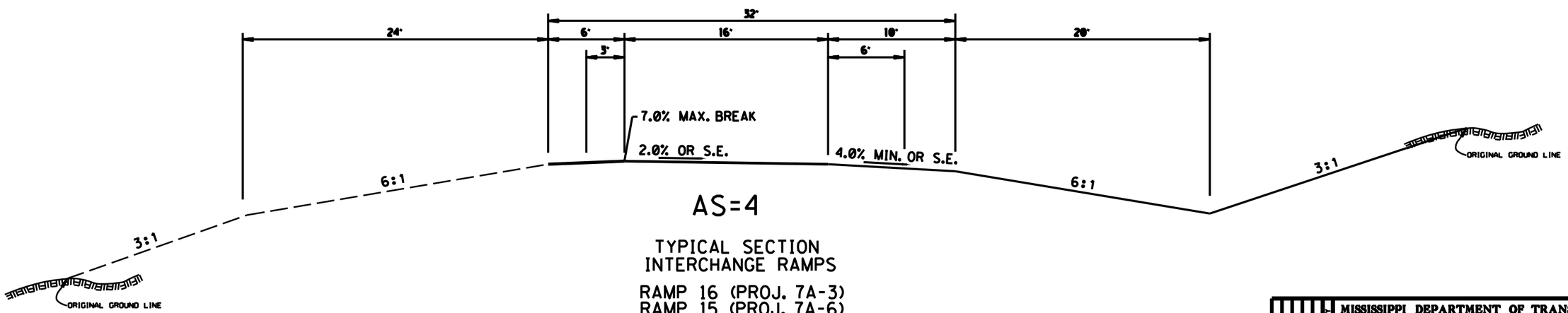
TYPICAL SECTION
INTERCHANGE LOOP RAMP
LOOP 5 (PROJ. 7A-7)



AS=4

TYPICAL SECTION
INTERCHANGE RAMPS

RAMP 16 (PROJ. 7A-3)
RAMP 15 (PROJ. 7A-6)

$FILES

$DATES

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INTERCHANGE RAMPS
RAMP 16 (PROJ. 7A-3)
RAMP 15 (PROJ. 7A-6)
LOOP 5 (PROJ. 7A-7)

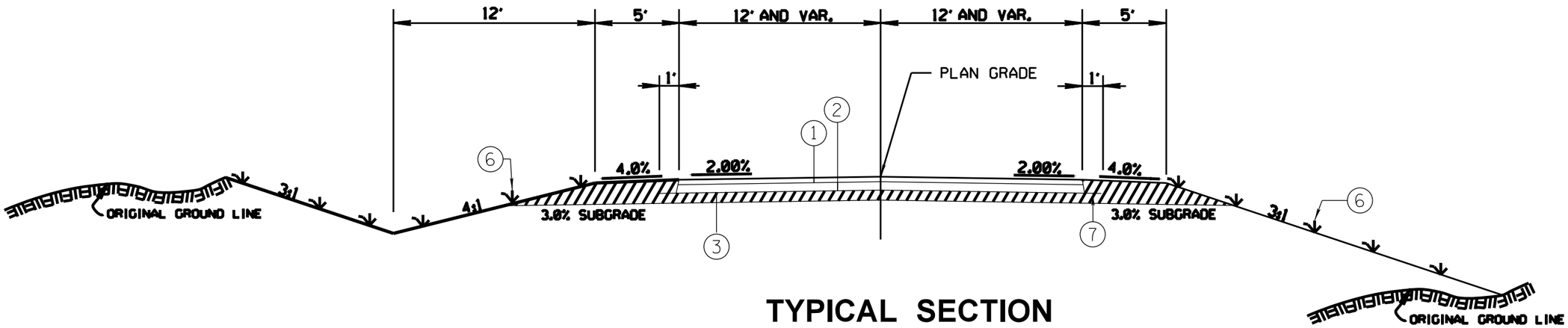
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS7-A3
SHEET NUMBER

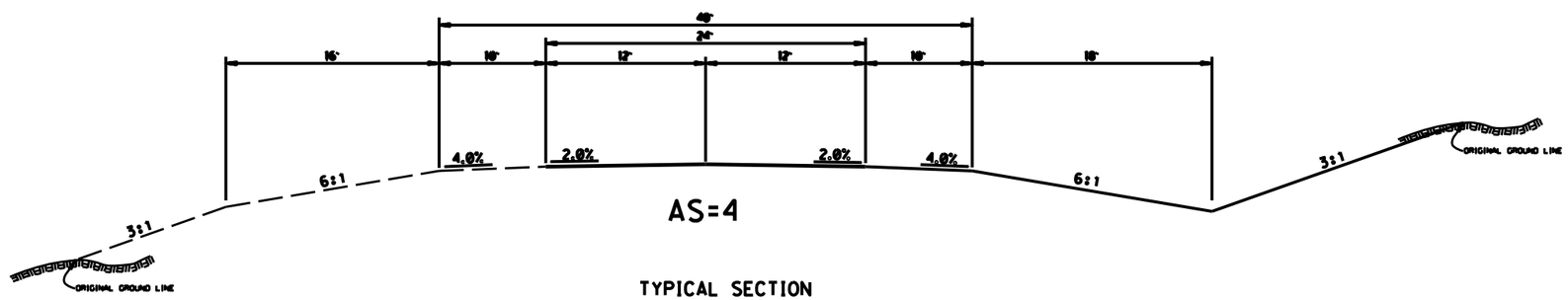
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
PORTER CHAPEL RD. CONN.



AS=4

TYPICAL SECTION
CONNECTION 7 & 8
NEAR INDIANA AVE.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
TEMPORARY CONNECTION 7 (PROJ. 7A-8)
TEMPORARY CONNECTION 8 (PROJ. 7A-9)
PORTER CHAPEL RD. CONN. (PROJ. 7B-2A)

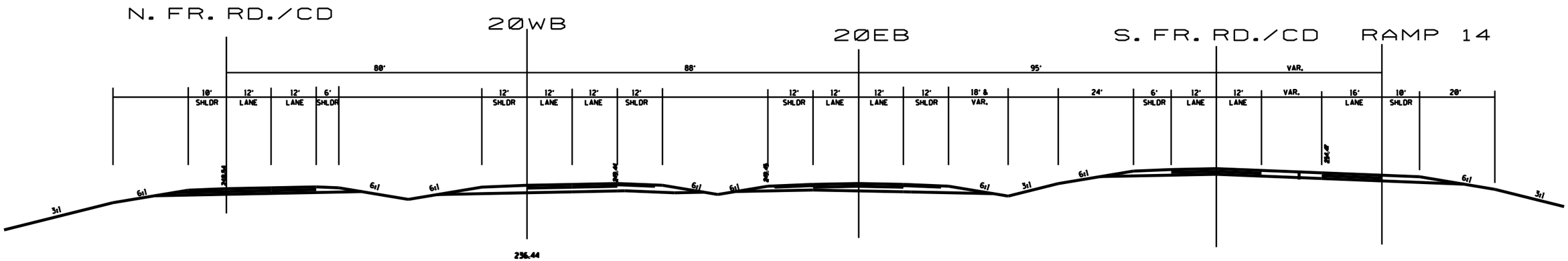
REVISION | BY | DATE

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

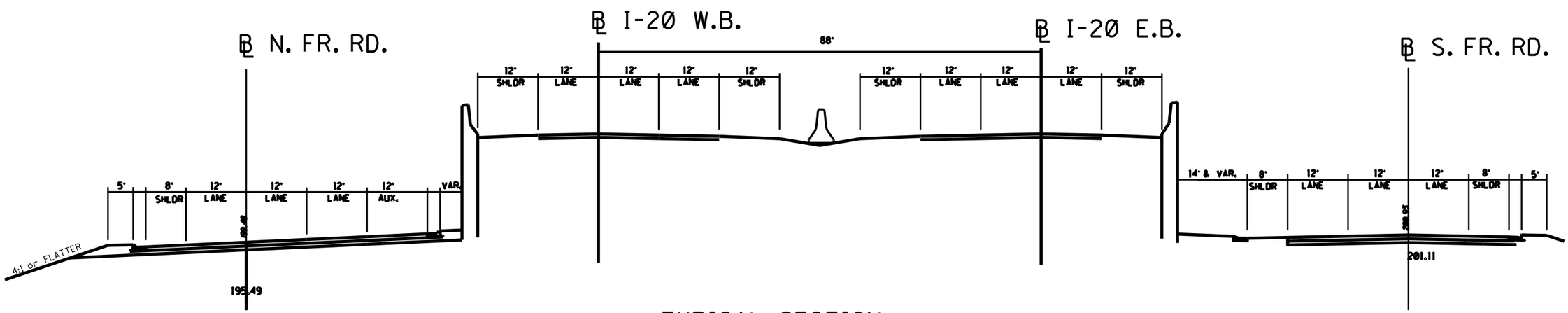
WORKING NUMBER
TS7-A4
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
AT STA. 228+00 I-20 W.B.



TYPICAL SECTION
AT STA. 196+00 I-20 W.B.

SFILES

SDATES

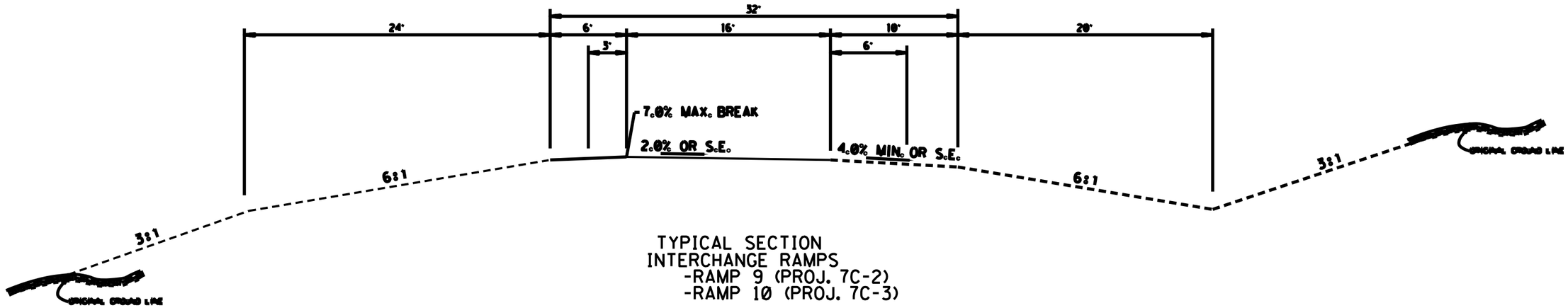
		MISSISSIPPI DEPARTMENT OF TRANSPORTATION
		TYPICAL SECTIONS
		I-20 W.B. & E.B. STA. 228+00
		I-20 W.B. & E.B. STA. 195+00
		PROJECT NO.
		COUNTY:
		FILENAME:
		DESIGN TEAM CHECKED DATE

BY
REVISION
DATE

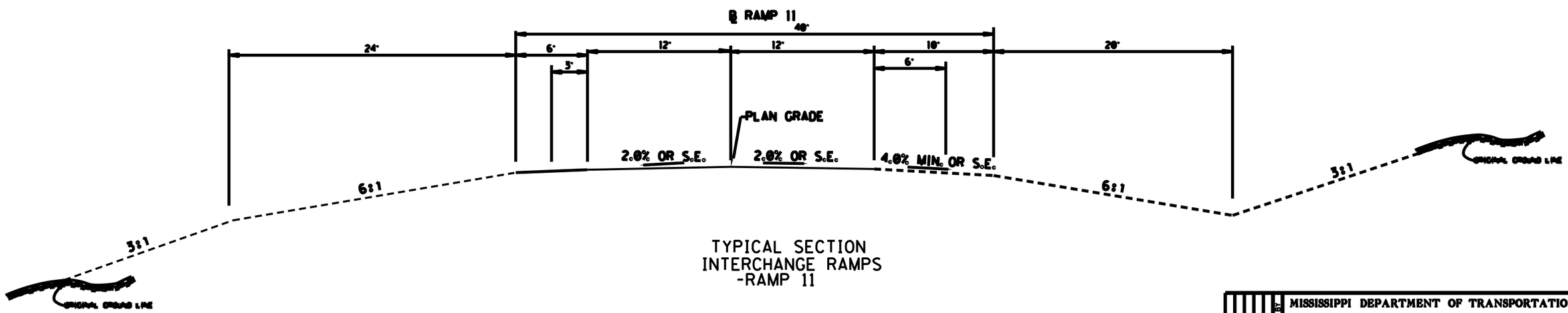
WORKING NUMBER
TS7-B
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 9 (PROJ. 7C-2)
-RAMP 10 (PROJ. 7C-3)



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 11

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INTERCHANGE RAMP 9 (PROJ. 7C-2)
INTERCHANGE RAMP 10 (PROJ. 7C-3)
INTERCHANGE RAMP 11 (PROJ. 7C-1)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

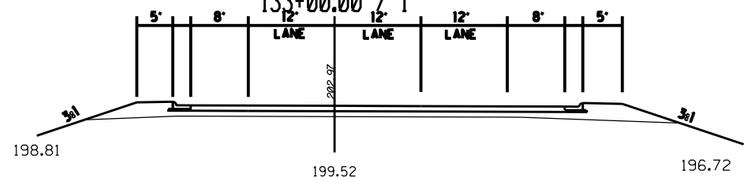
WORKING NUMBER
TS7-C1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

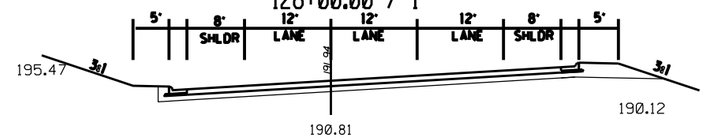
PROJECT NO.: 7 PHASE C
FILENAME:

STATE	PROJECT NO.
MISS.	

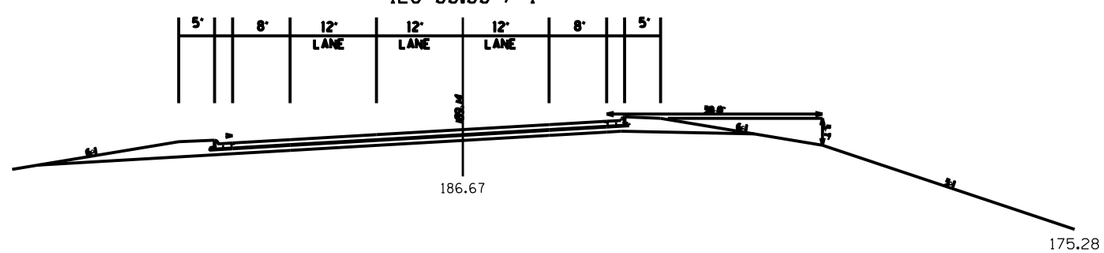
NFRD
133+00.00 / 1



128+00.00 / 1



SFRD
126+00.00 / 1



REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

N. FR. RD. @ 128+00 & 133+00
S. FR. RD. @ STA. 126+00

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS7-C2
SHEET NUMBER

SFILES
SDATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

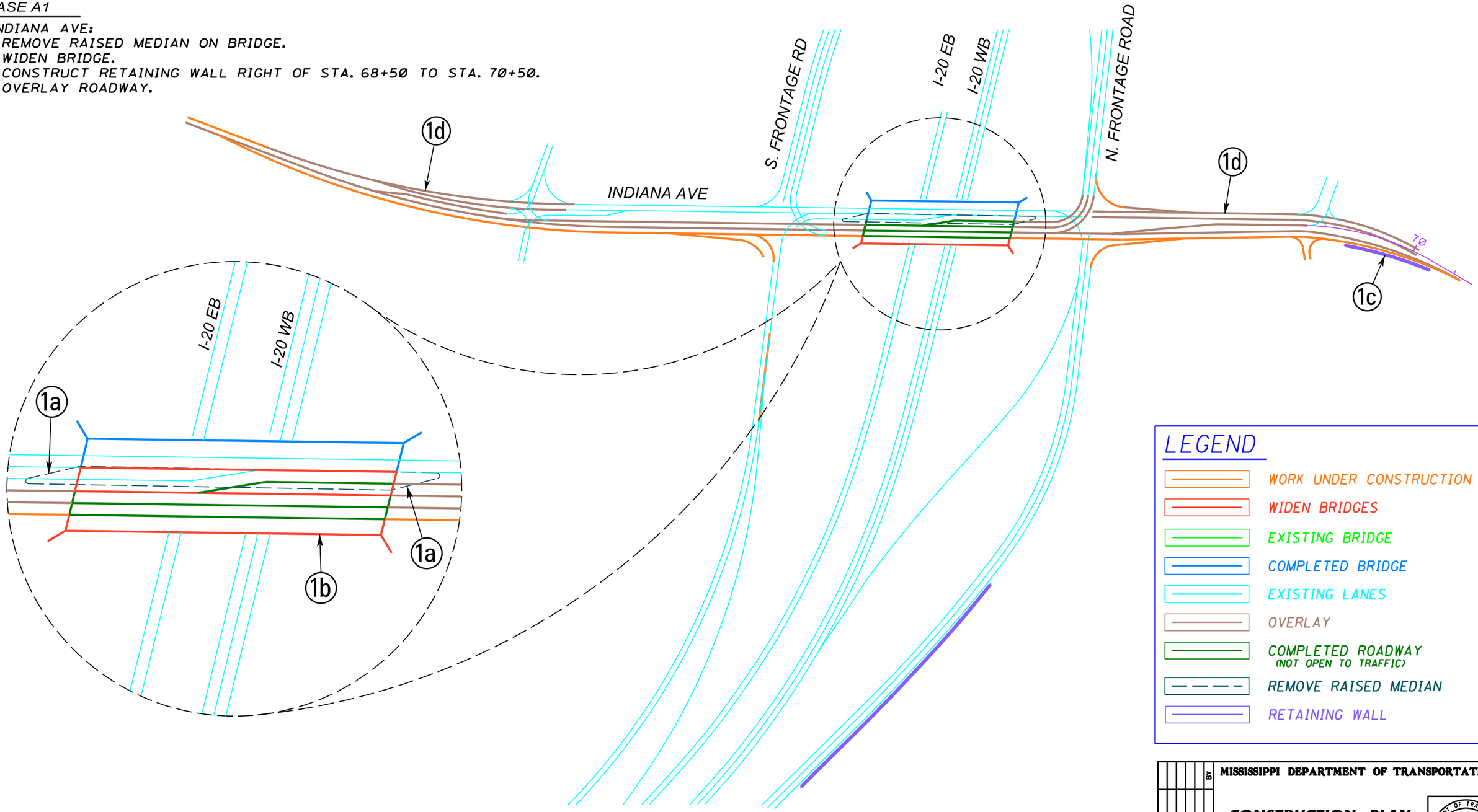
PROJECT NO.: 7 PHASE C
FILENAME:

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 7
PHASE A1

1. INDIANA AVE:
   a. REMOVE RAISED MEDIAN ON BRIDGE.
   b. WIDEN BRIDGE.
   c. CONSTRUCT RETAINING WALL RIGHT OF STA. 68+50 TO STA. 70+50.
   d. OVERLAY ROADWAY.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE RAISED MEDIAN
- RETAINING WALL

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A

WORKING NUMBER

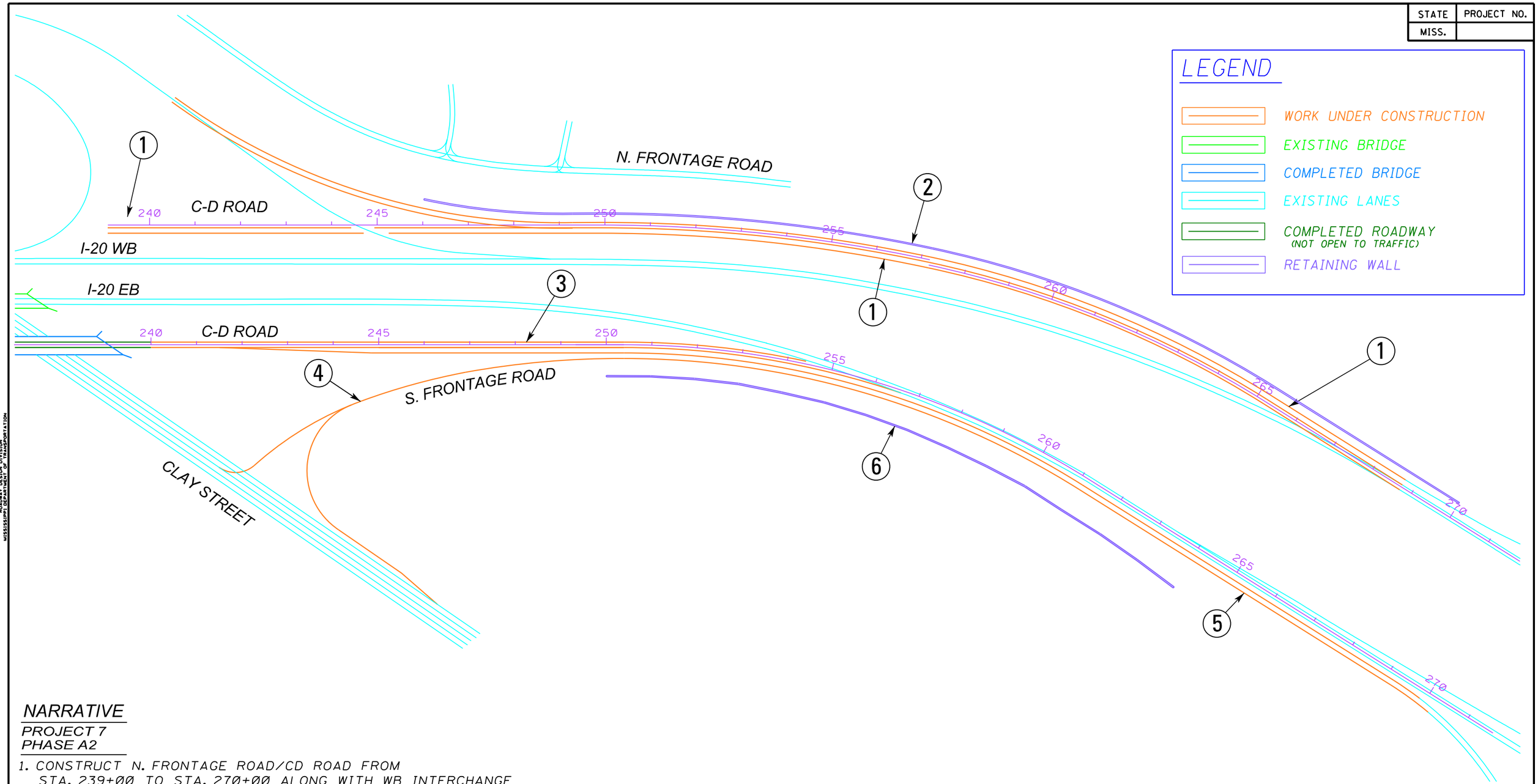
SHEET NUMBER

FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/16/2011 10:33:16 PROJ7 PHA.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE A2

1. CONSTRUCT N. FRONTAGE ROAD/CD ROAD FROM STA. 239+00 TO STA. 270+00 ALONG WITH WB INTERCHANGE RAMP EXIT TO CLAY STREET
2. CONSTRUCT RETAINING WALL LEFT OF STA. 246+00 TO STA. 270+00.
3. CONSTRUCT S. FRONTAGE ROAD/CD ROAD FROM STA. 240+50 TO STA. 247+00.
4. CONSTRUCT INTERCHANGE RAMP ENTRANCE (CLAY STREET TO S. FRONTAGE ROAD EB)
5. CONSTRUCT S. FRONTAGE ROAD/CD ROAD FROM STA. 257+00 TO STA. 270+50.
6. CONSTRUCT RETAINING WALL RT. STA. 250+00 TO STA. 264+00.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A1

WORKING NUMBER

SHEET NUMBER

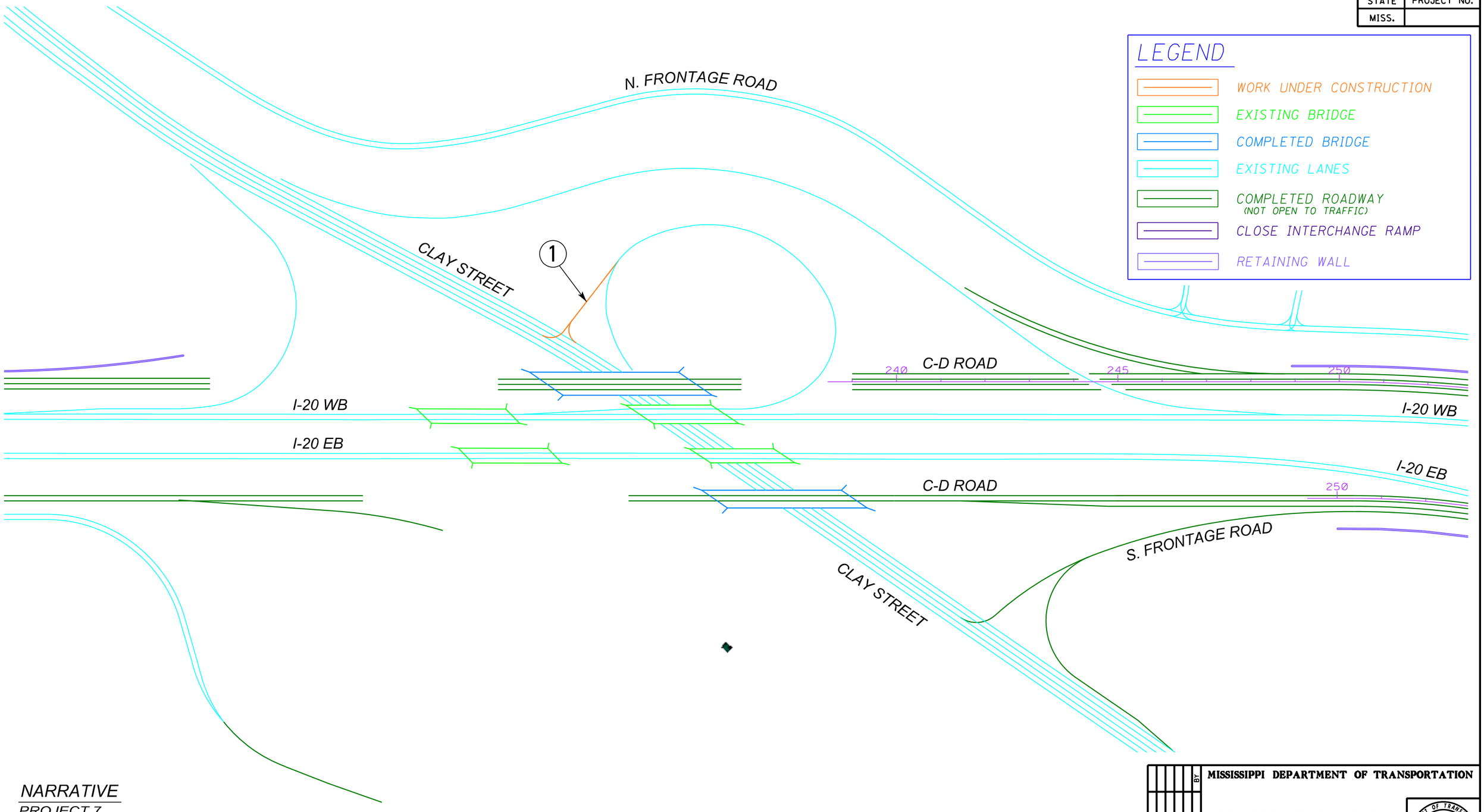
FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MODIFY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE A2

1. CONSTRUCT A TEMPORARY CONNECTION BETWEEN CLAY STREET AND THE EXISTING NW LOOP. REDIRECT TRAFFIC - CLAY STREET EB TO I-20 WB ONTO TEMPORARY CONNECTION. CLOSE EXISTING INTERCHANGE RAMP - CLAY STREET EB TO I-20 WB.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A2

WORKING NUMBER

SHEET NUMBER

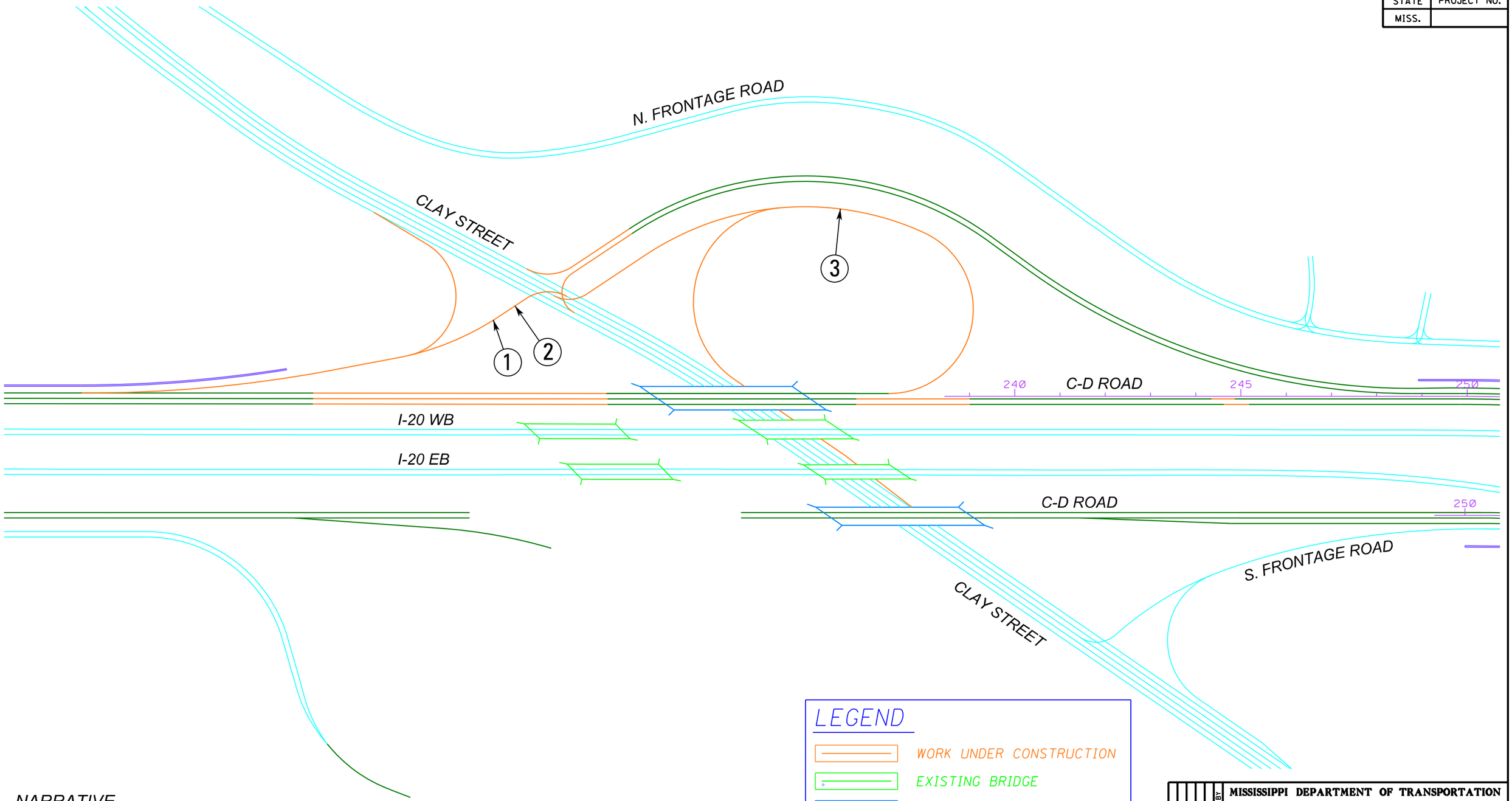
FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



LEGEND

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

NARRATIVE

PROJECT 7
PHASE A3

1. CONSTRUCT NEW TEMPORARY INTERCHANGE RAMP - CLAY STREET TO N. FRONTAGE ROAD / C-D.
2. REDIRECT CLAY STREET TO I-20WB TRAFFIC ONTO NEW INTERCHANGE RAMP - CLAY STREET TO N. FRONTAGE ROAD / C-D.
3. CONSTRUCT NEW LOOP & RAMPS - CLAY STREET NW.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A3

WORKING NUMBER

SHEET NUMBER

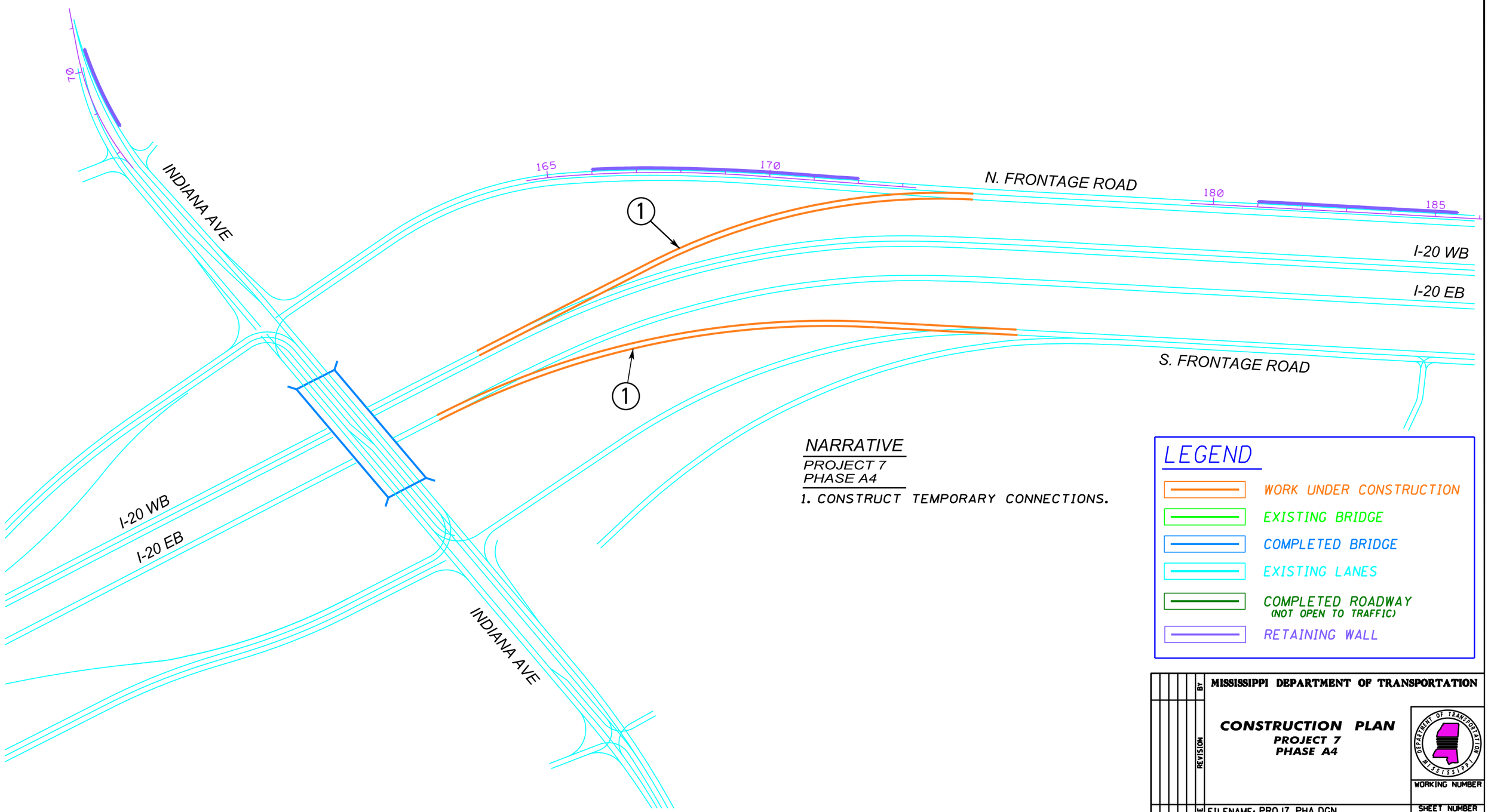
FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODYY 00:00AM DGNFILENAME

STATE	PROJECT NO.
MISS.	



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A4

WORKING NUMBER

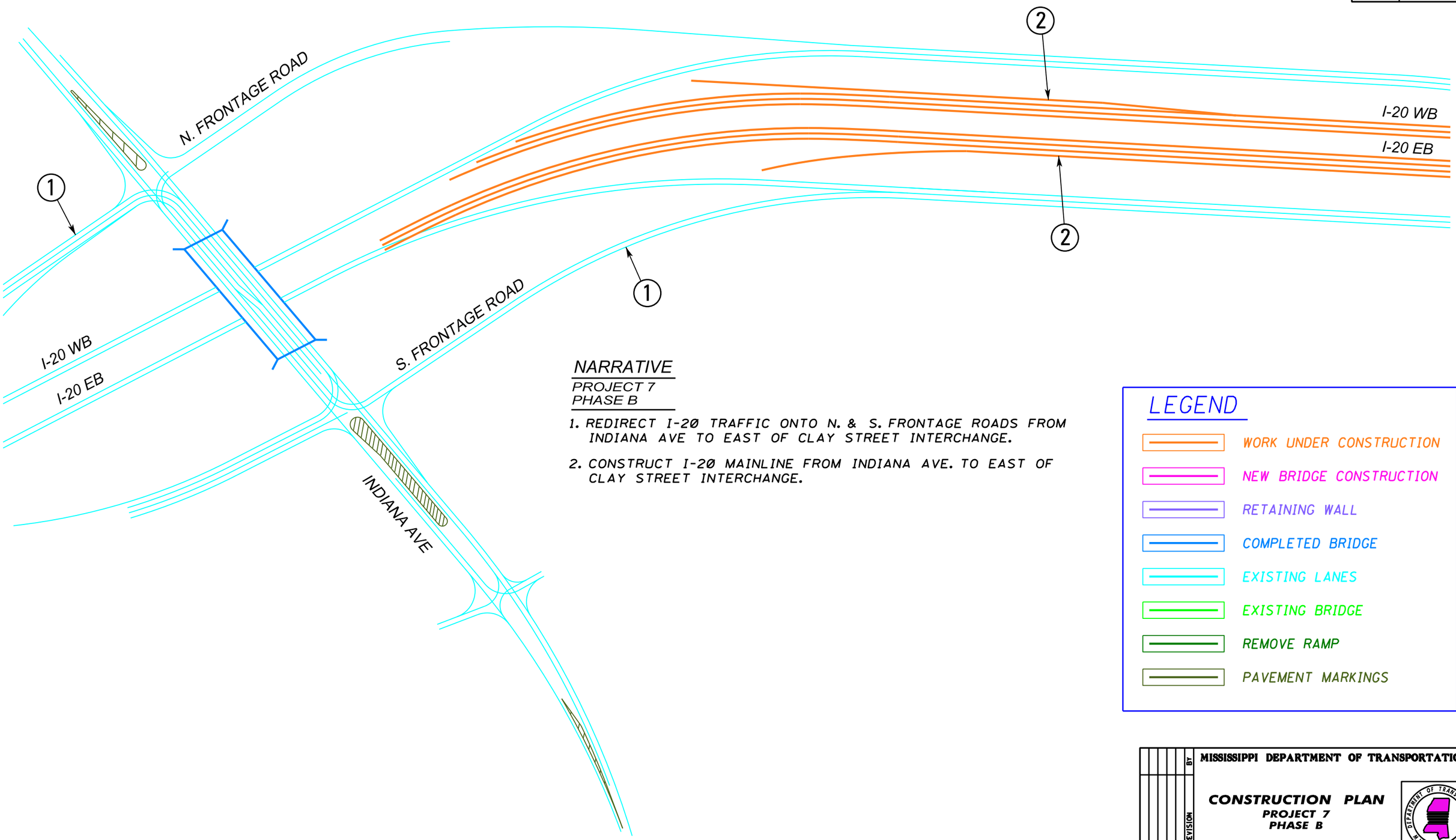
FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 14:39:44 PROJ7 PHA.DGN

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE B

1. REDIRECT I-20 TRAFFIC ONTO N. & S. FRONTAGE ROADS FROM INDIANA AVE TO EAST OF CLAY STREET INTERCHANGE.
2. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.

LEGEND

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

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

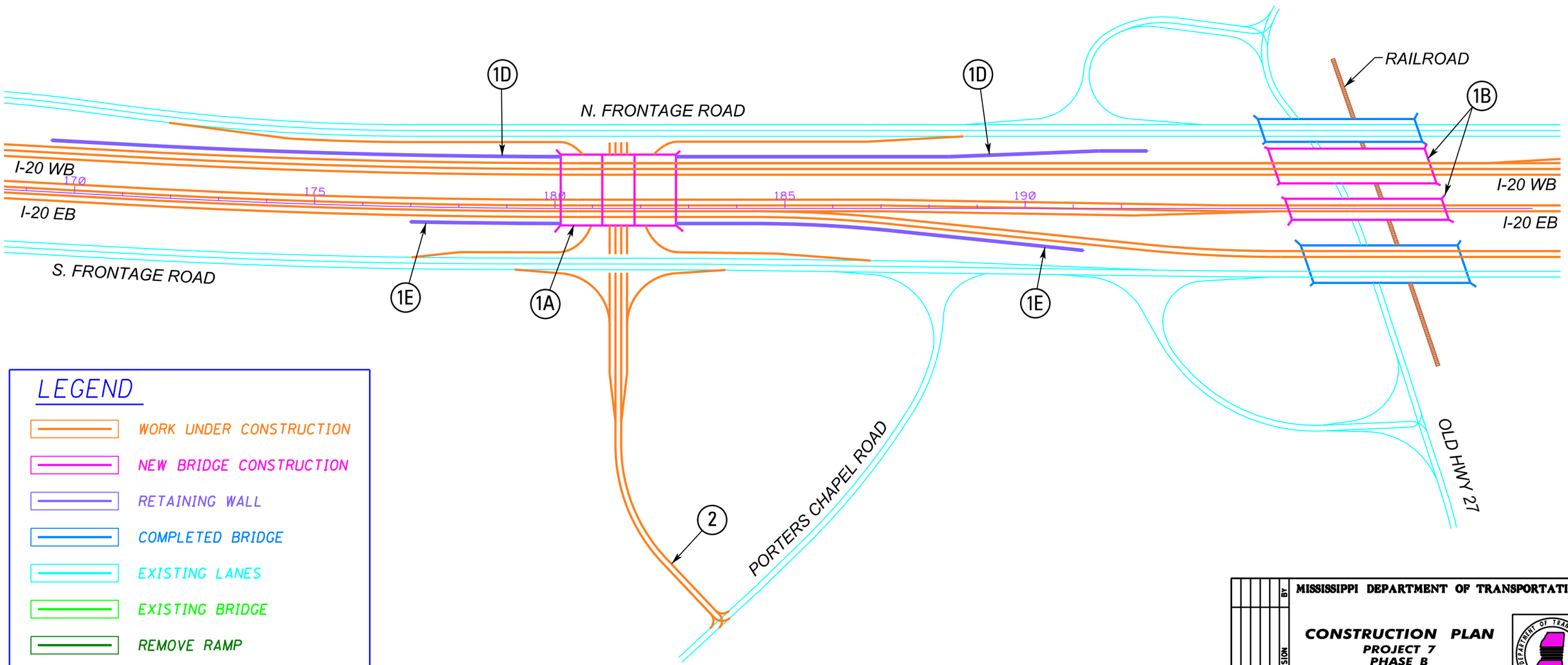
2/10/2011 15:09:58 PROJ7 PHB.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 7
PHASE B

1. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.
   A. A CIRCULATION BRIDGE WEST OF THE RAILROAD.
   B. TWO BRIDGES OVER OLD HWY 27 / RAILROAD.
   C. TWO BRIDGES OVER CLAY STREET.
   D. LEFT RETAINING WALL FROM STA. 169+00 TO STA. 180+12 & STA. 182+74 TO STA. 192+50.
   E. RIGHT RETAINING WALL FROM STA. 177+00 TO STA. 180+12 & STA. 182+74 TO STA. 191+50.
2. CONSTRUCT PORTERS CHAPEL ROAD CONNECTING ROAD.
3. CONSTRUCT I-20 WB ENTRANCE NEAR STA. 220+00.



LEGEND

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

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

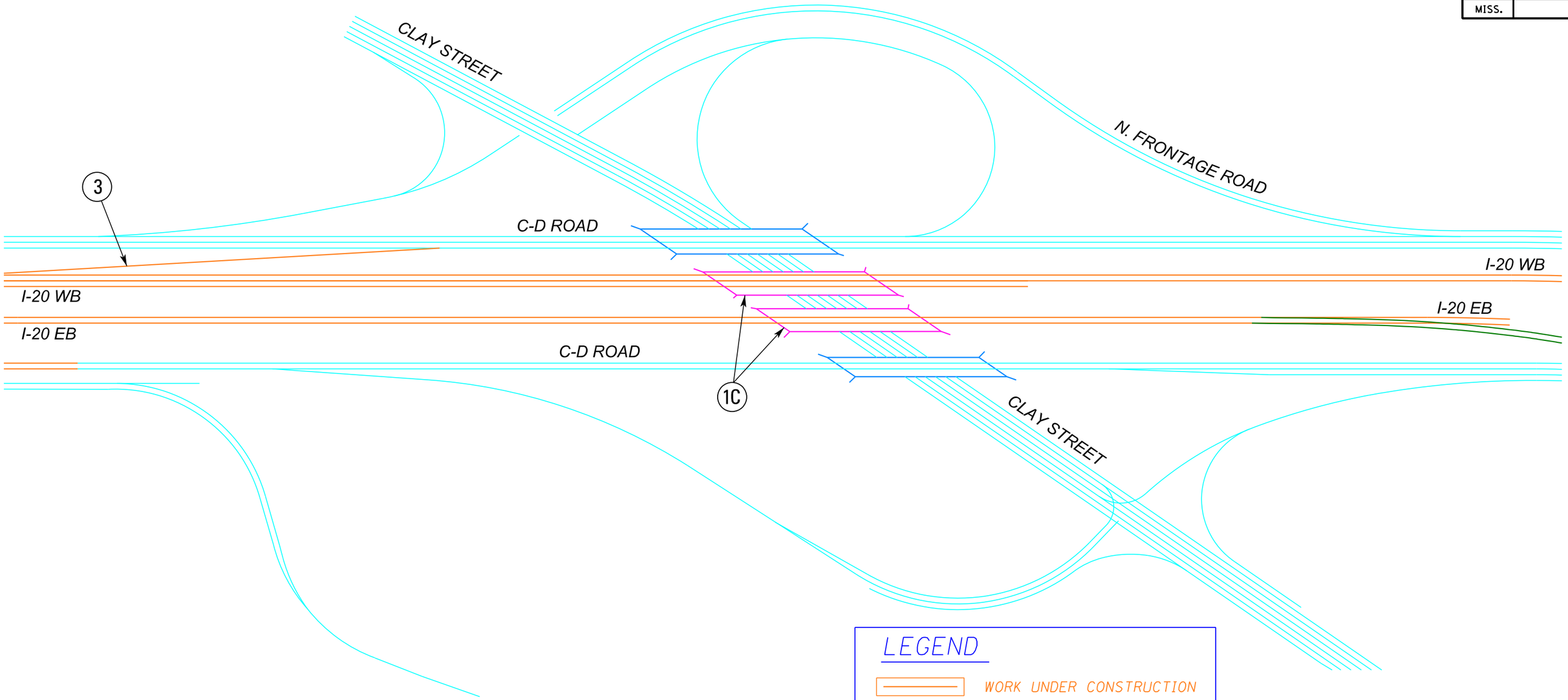
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 14:57:39 PROJ7 PHB.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE B

1. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.
   A. A CIRCULATION BRIDGE WEST OF THE RAILROAD.
   B. TWO BRIDGES OVER OLD HWY 27 / RAILROAD.
   C. TWO BRIDGES OVER CLAY STREET.
   D. LEFT RETAINING WALL FROM STA. 169+00 TO STA. 180+12 & STA. 182+74 TO STA. 192+50.
   E. RIGHT RETAINING WALL FROM STA. 177+00 TO STA. 180+12 & STA. 182+74 TO STA. 191+50.
2. CONSTRUCT PORTERS CHAPEL ROAD CONNECTING ROAD.
3. CONSTRUCT I-20 WB ENTRANCE NEAR STA. 220+00.

LEGEND

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

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MOODYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	

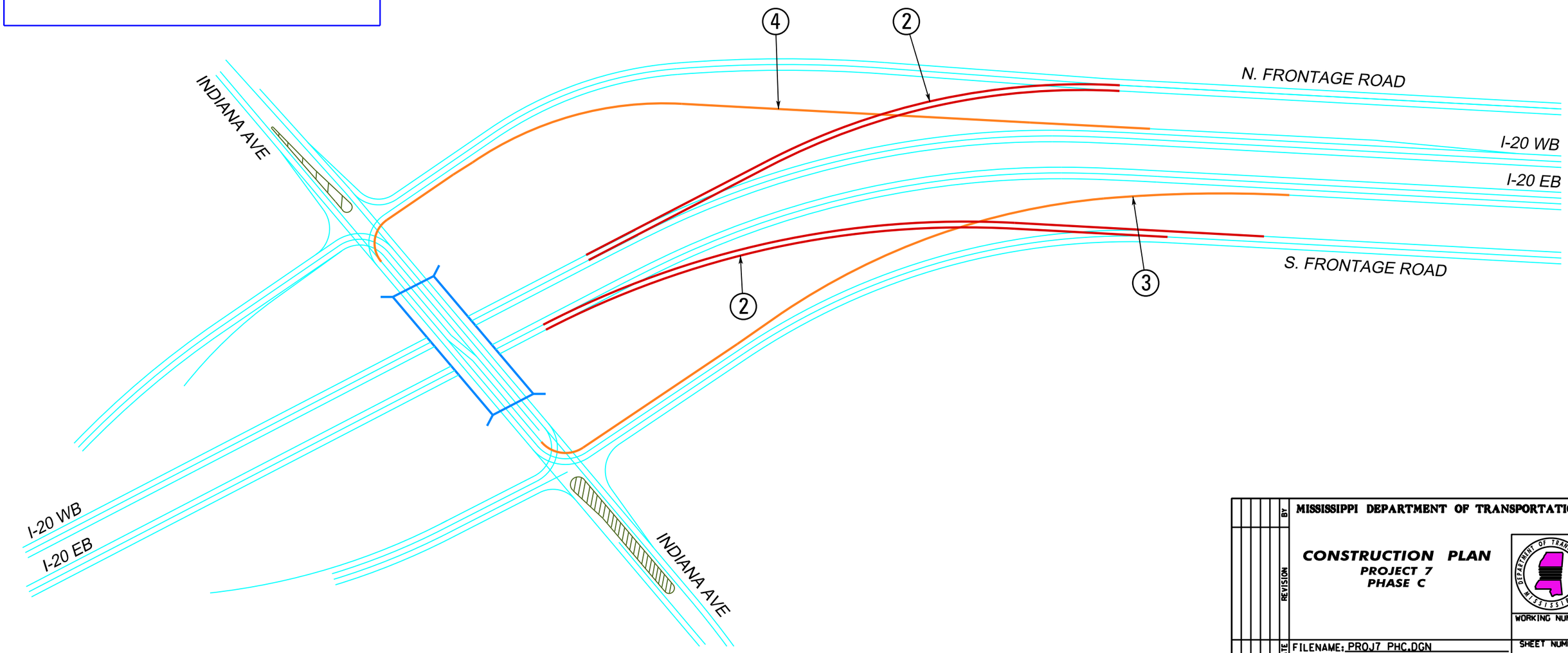
LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE CONNECTING ROADWAYS

NARRATIVE

PROJECT 7
PHASE C

1. REDIRECT I-20 TRAFFIC FROM THE DETOURS BACK ONTO THE COMPLETED MAINLINE.
2. REMOVE THE CONNECTING ROADS BETWEEN THE MAINLINE AND THE NORTH AND SOUTH FRONTAGE ROADS.
3. CONSTRUCT THE I-20 EB ENTRANCE RAMP FROM INDIANA AVE.
4. CONSTRUCT THE I-20 WB EXIT RAMP TO INDIANA AVE.



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE C

WORKING NUMBER

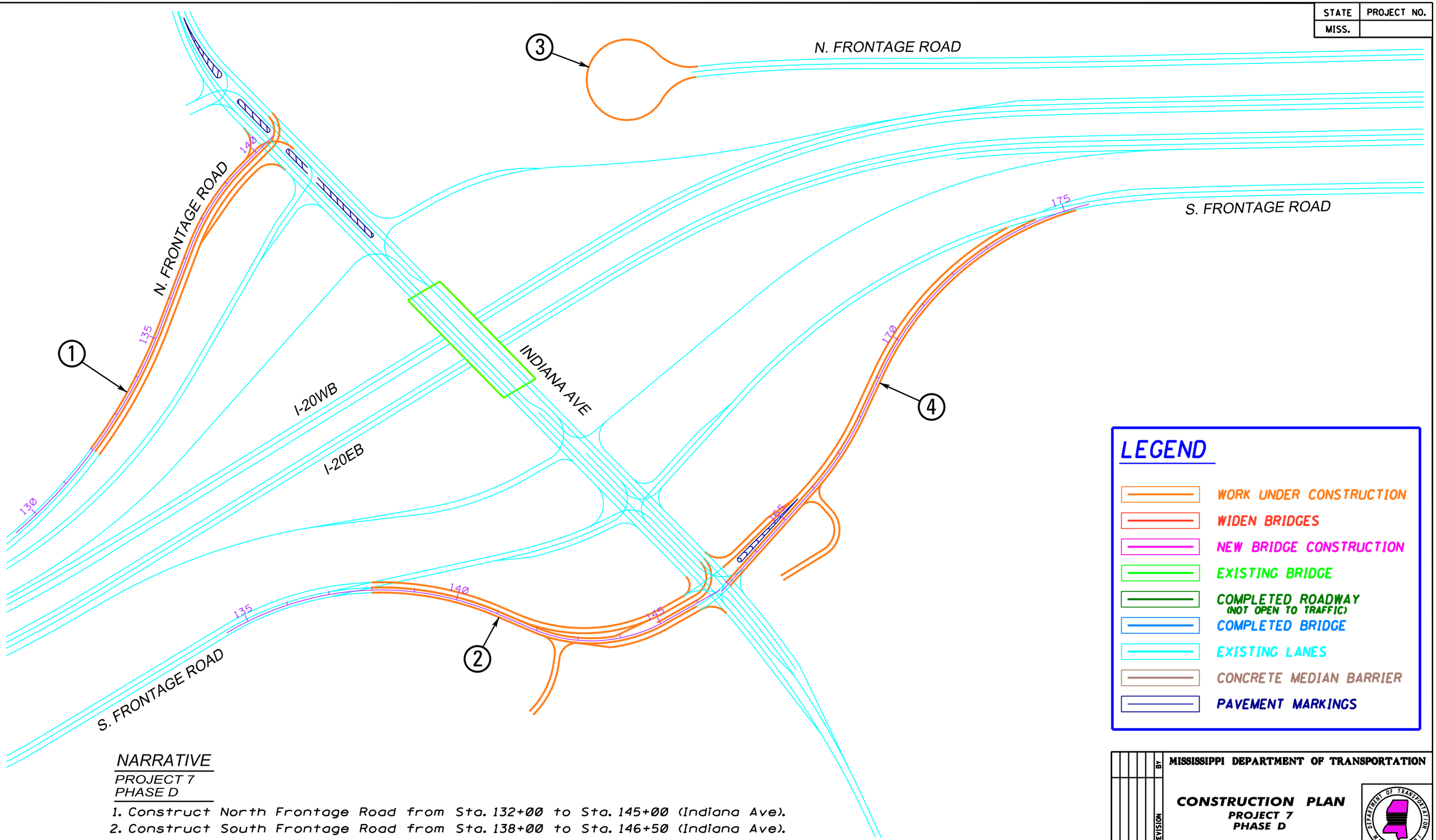
SHEET NUMBER

FILENAME: PROJ7 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 15:03:57 PROJ7 PHC.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE D

1. Construct North Frontage Road from Sta. 132+00 to Sta. 145+00 (Indiana Ave).
2. Construct South Frontage Road from Sta. 138+00 to Sta. 146+50 (Indiana Ave).
3. Construct a cul-de-sac on the North Frontage Road at Sta. 165+00.
4. Construct South Frontage Road from Sta. 163+25 (Indiana Ave) to Sta. 175+00.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE D

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHD.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

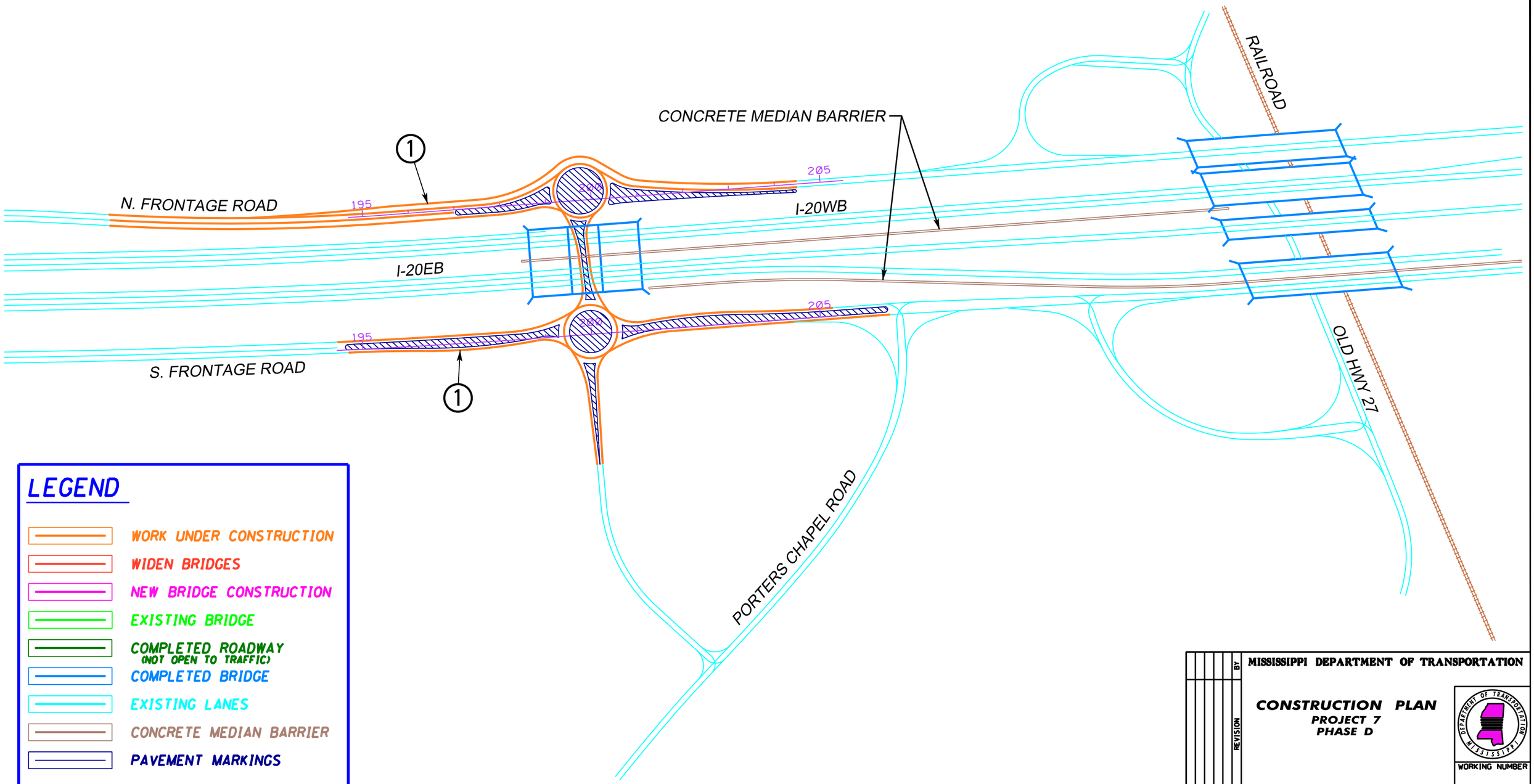
2/16/2011 15:37:45 PROJ7 PHD.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 7
PHASE D

1. Construct Round-abouts on both Frontage Roads at Sta. 200+00.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE D

DATE	REVISION	BY

WORKING NUMBER

SHEET NUMBER

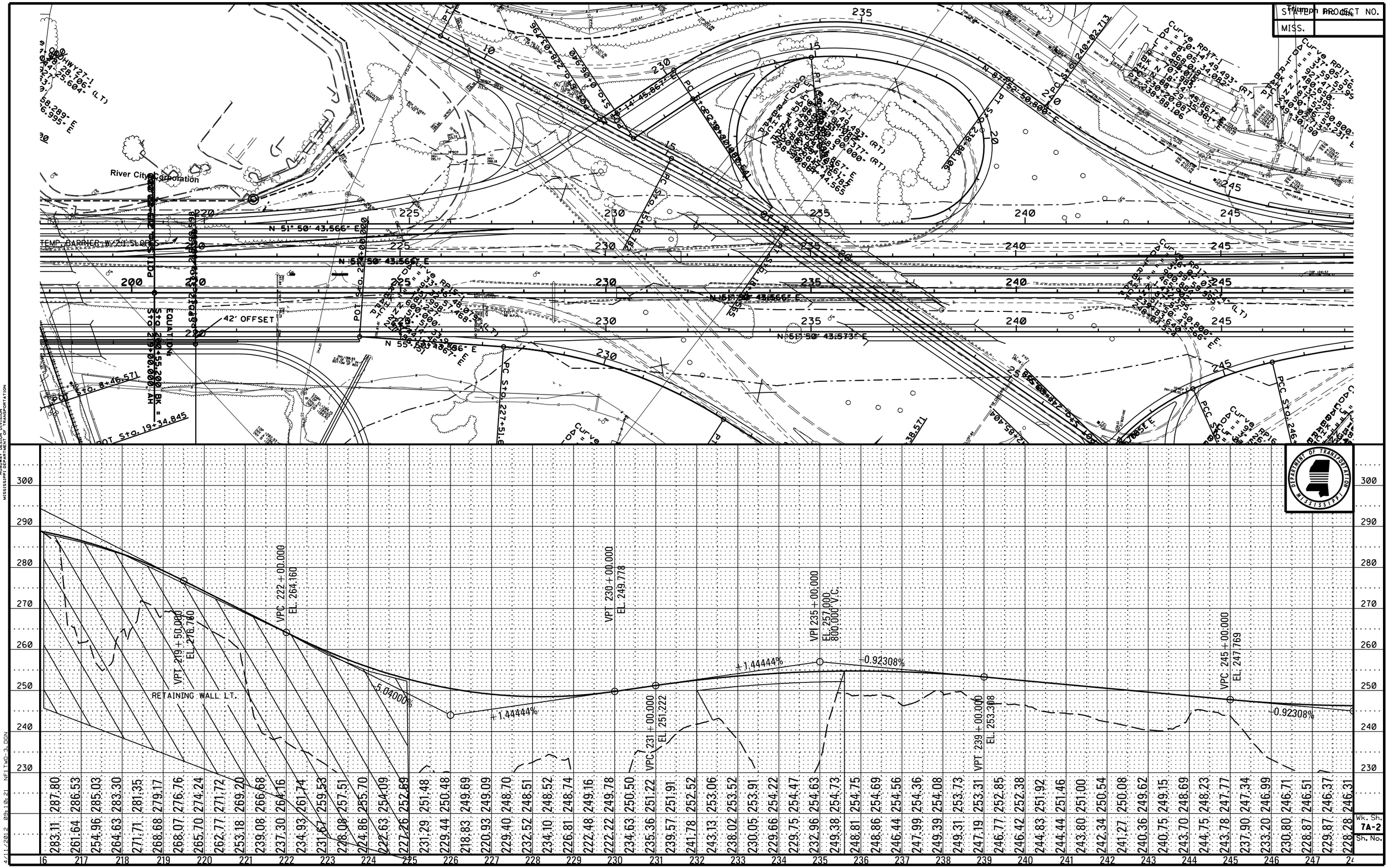
FILENAME: PROJ7 PHD.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/16/2011 15:38:05 PROJ7 PHD.DGN

STATE
PROJECT NO.
MISS.
PRELIMINARY
NOT FOR
CONSTRUCTION
IANA AVE.
EQUATION:
Sta 169+28.838 BK =
Sta 59+75.057 AH
POT Sta. 43+02.600
PC Sta. 45+39.878
PT Sta. 141+54.659
PC Sta. 139+13.800
PT Sta. 145+11.401
PC Sta. 165+91.620
POT Sta. 72+82.724
Lucy L. Jones
Lisa Dennis
Ortley M. & Vivian
Travis & Linda Vance
Travis Wayne Vance
Warren Banks Association
William Williamson & Abbott Jr.
Robert & Jesse Kapp
M. James Channey Jr.
Kurt D. Gaddis
Janie
VPC 46+30.000
EL. 237.567
VPI 49+80.000
EL. 254.710
700.000' V.C.
VPT 53+30.000
EL. 241.173
VPC 53+61.218
EL. 239.965
VPI 55+61.218
EL. 232.230
400.000' V.C.
VPT 57+61.218
EL. 232.220
VPC 61+31.157
EL. 232.230
VPI 63+81.157
EL. 232.230
500.000' V.C.
VPT 66+31.157
EL. 213.444
VPC 66+50.000
EL. 212.028
VPI 68+50.000
EL. 197.000
400.000' V.C.
VPT 70+50.000
EL. 200.875
+4.89811%
-3.86774%
+0.00000%
-1.51421%
+1.93750%
228.750
204.750
PRELIMINARY
NOT FOR
CONSTRUCTION
Wk. Sh.
7A-1
Sh. No.
DESIGN TEAM:
FILENAME: IND-EX-1.DGN
COUNTY:
PROJECT NO. : 7 PHASE A
SHEET ID:

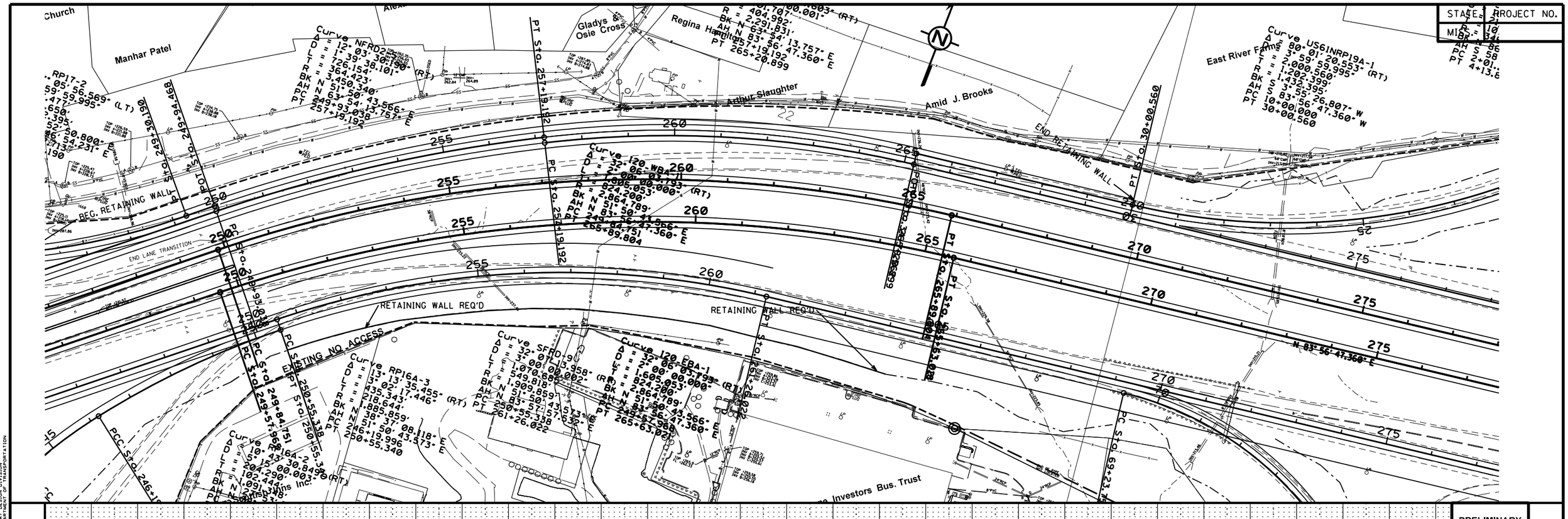
STATE PROJECT NO.
MISS.

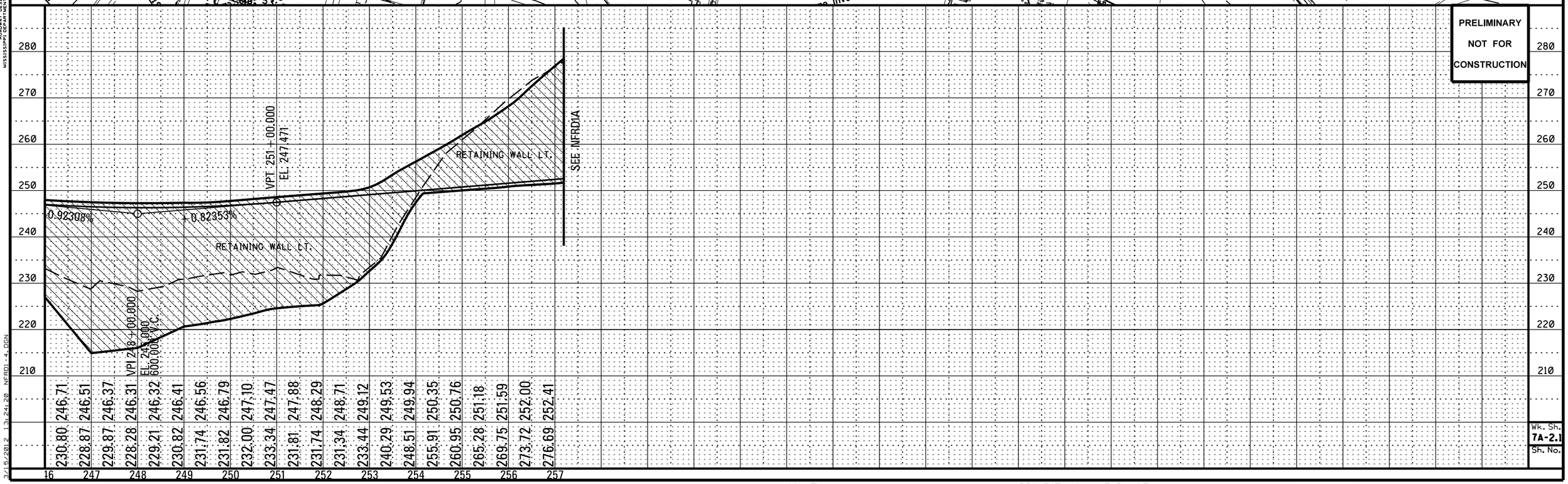


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/11/2012 09:10:21 NF1TWO-3.DGN

DESIGN TEAM: FILENAME: NF1TWO-3.DGN COUNTY: PROJECT NO. : 6 PHASE A SHEET ID:





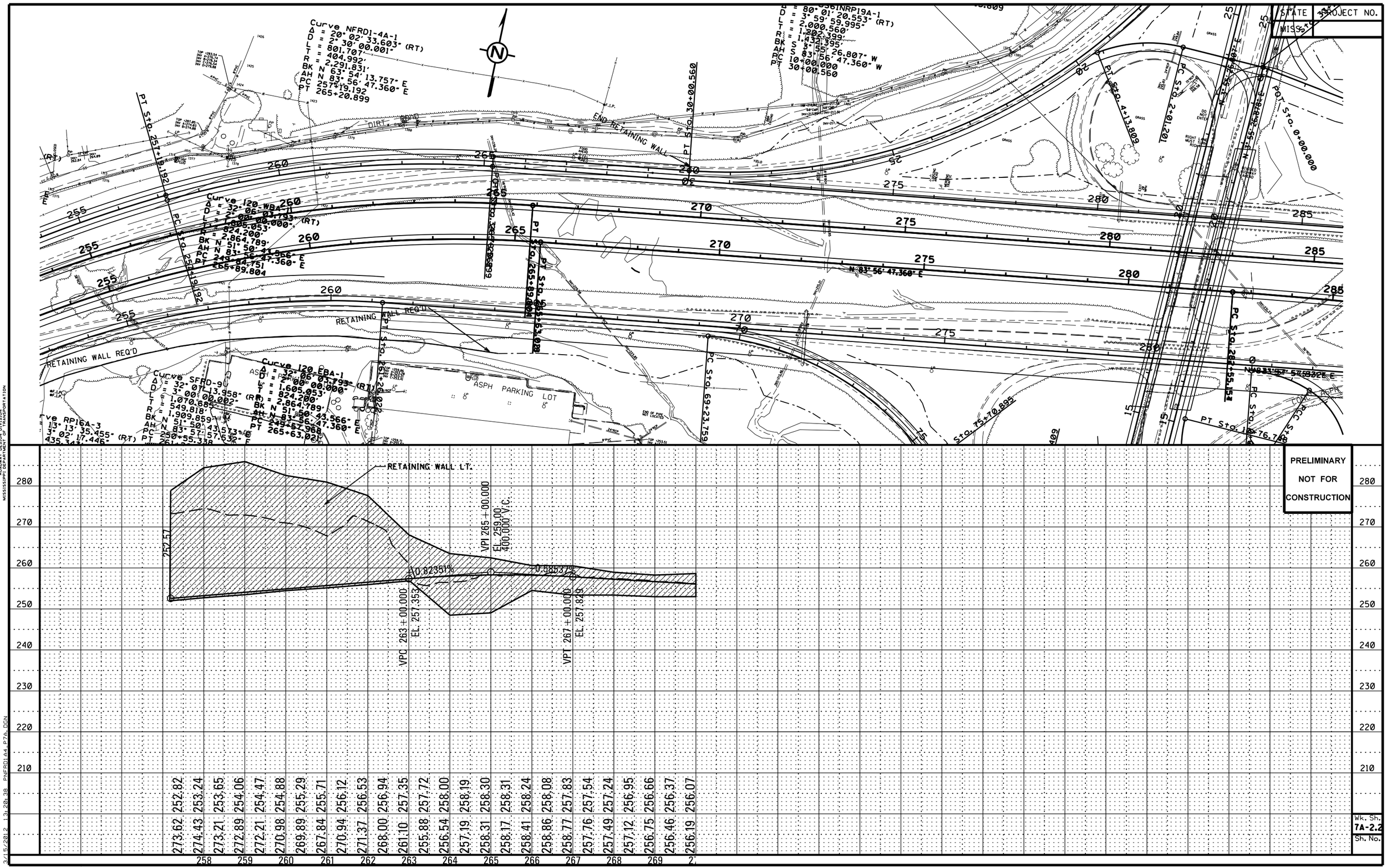
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/15/2012 13:24:20 NFRD1-4.DGN

STATE	PROJECT NO.
MISS.	

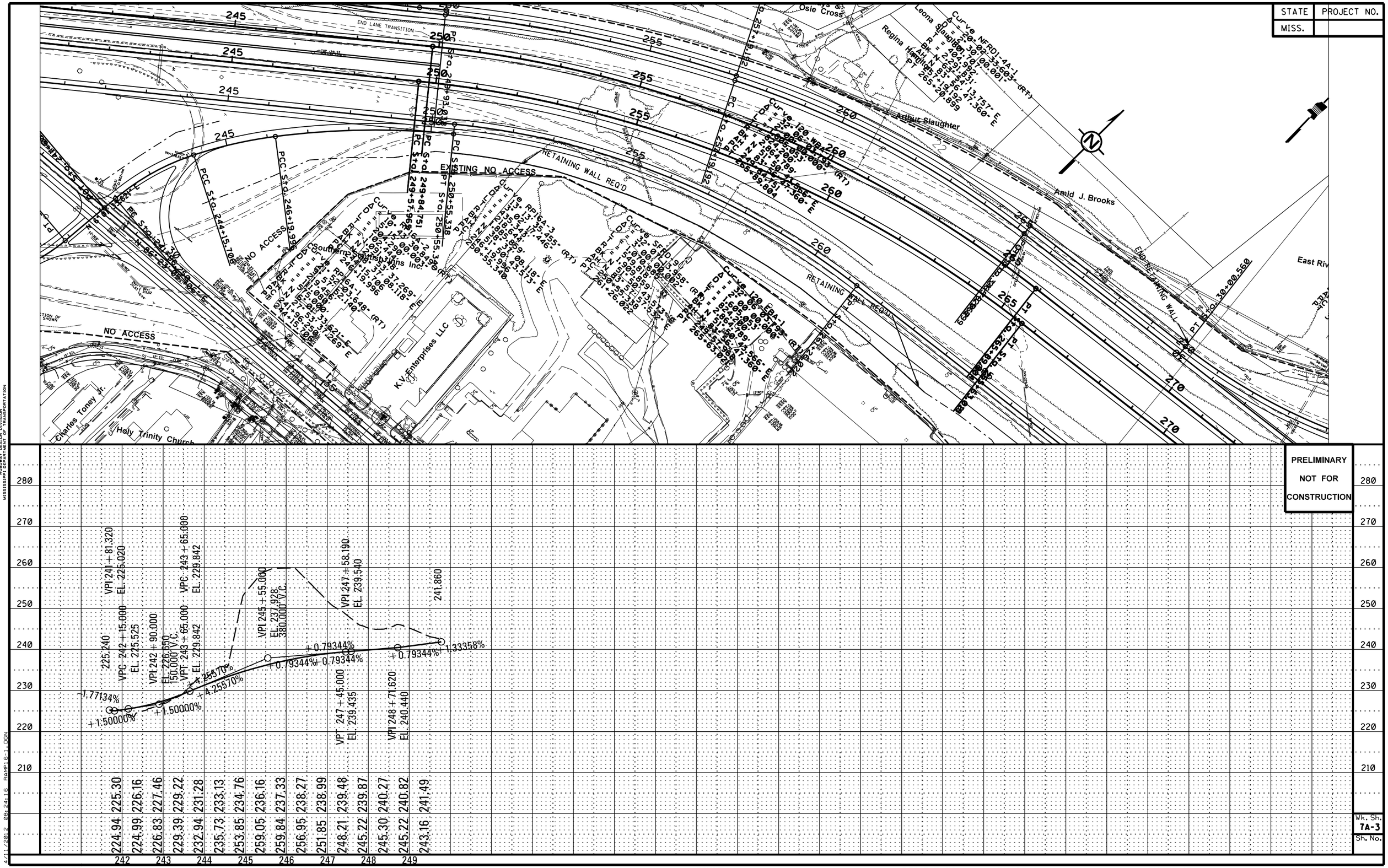
Wk. Sh.
7A-2.1
Sh. No.

DESIGN TEAM: FILENAME: NFRD1-4.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:



DESIGN TEAM: FILENAME: PNFRD1A4_P7A.DGN COUNTY: PROJECT NO. 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



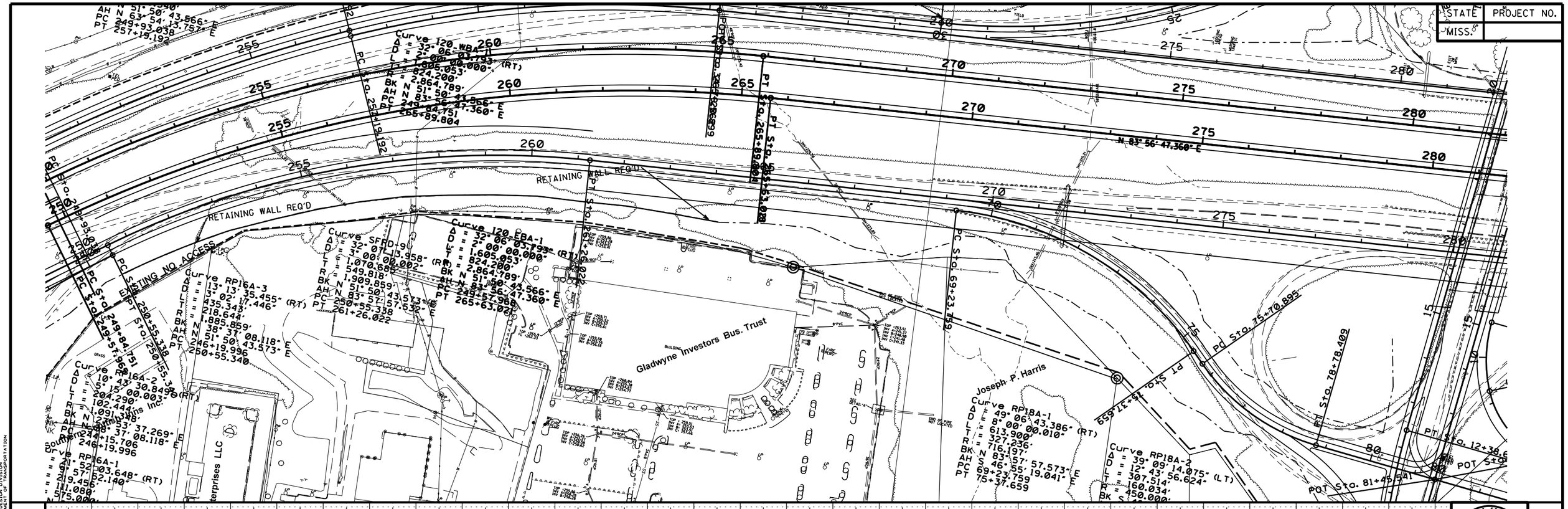
Wk. Sh. 7A-3
Sh. No.

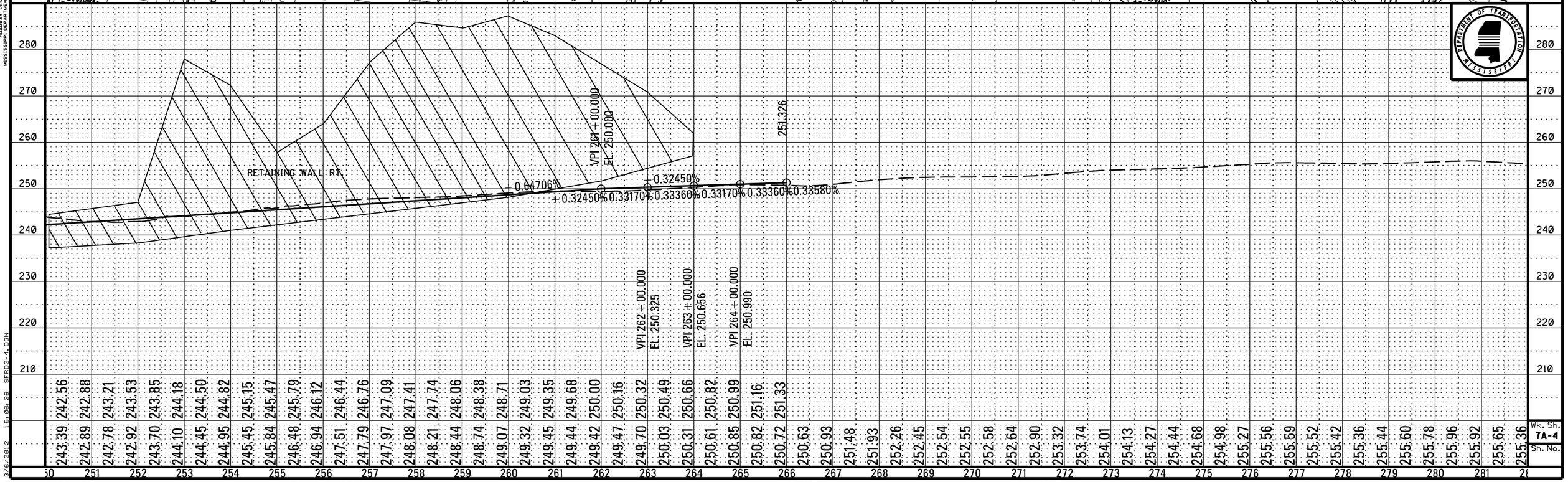
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/11/2012 08:24:16 RAMP16-1.DGN

DESIGN TEAM: FILENAME: RAMP16-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





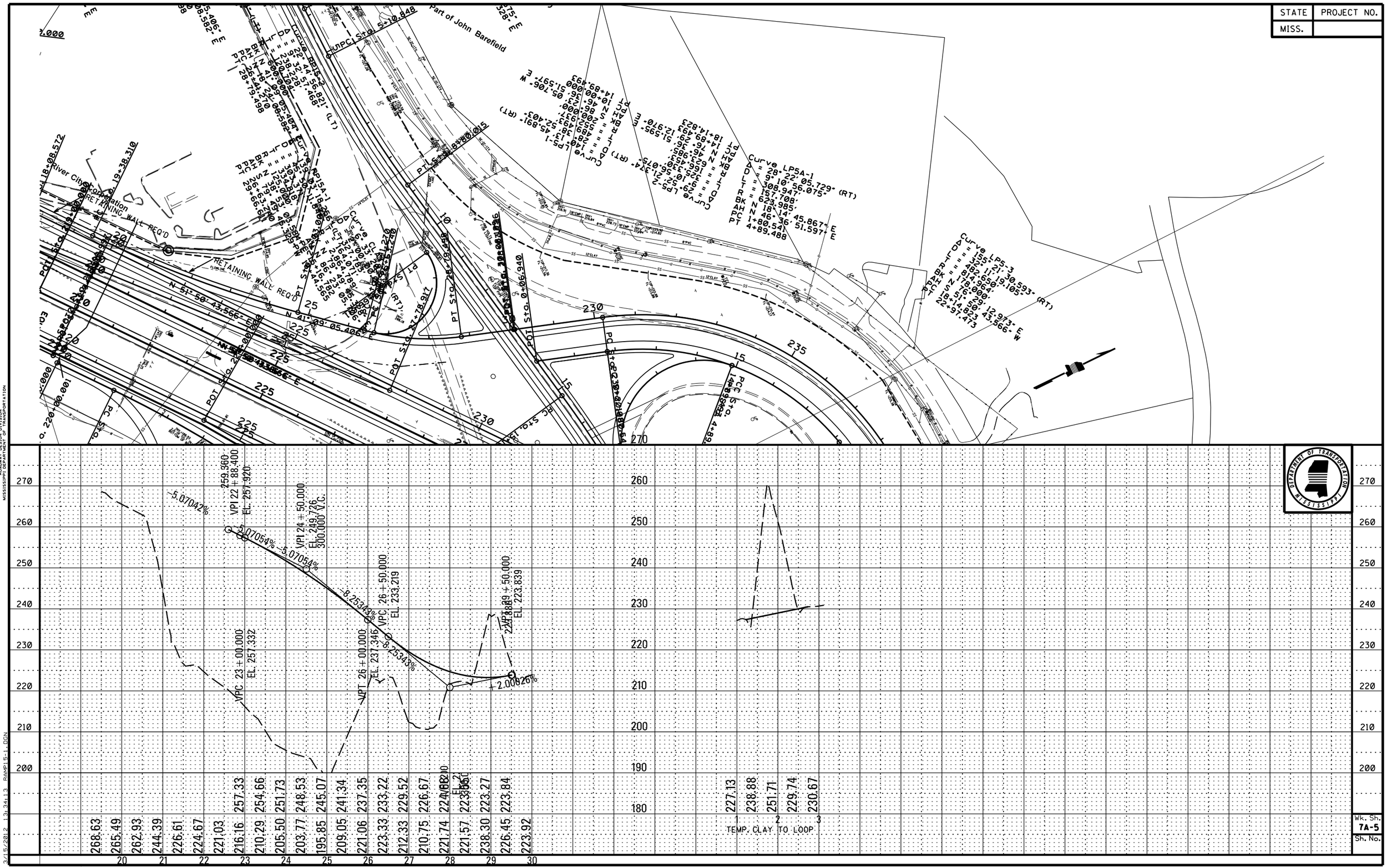
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 15:06:26 SFRD2-4.DGN

Wk. Sh. 7A-4
Sh. No.

DESIGN TEAM: FILENAME: SFRD2-4.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



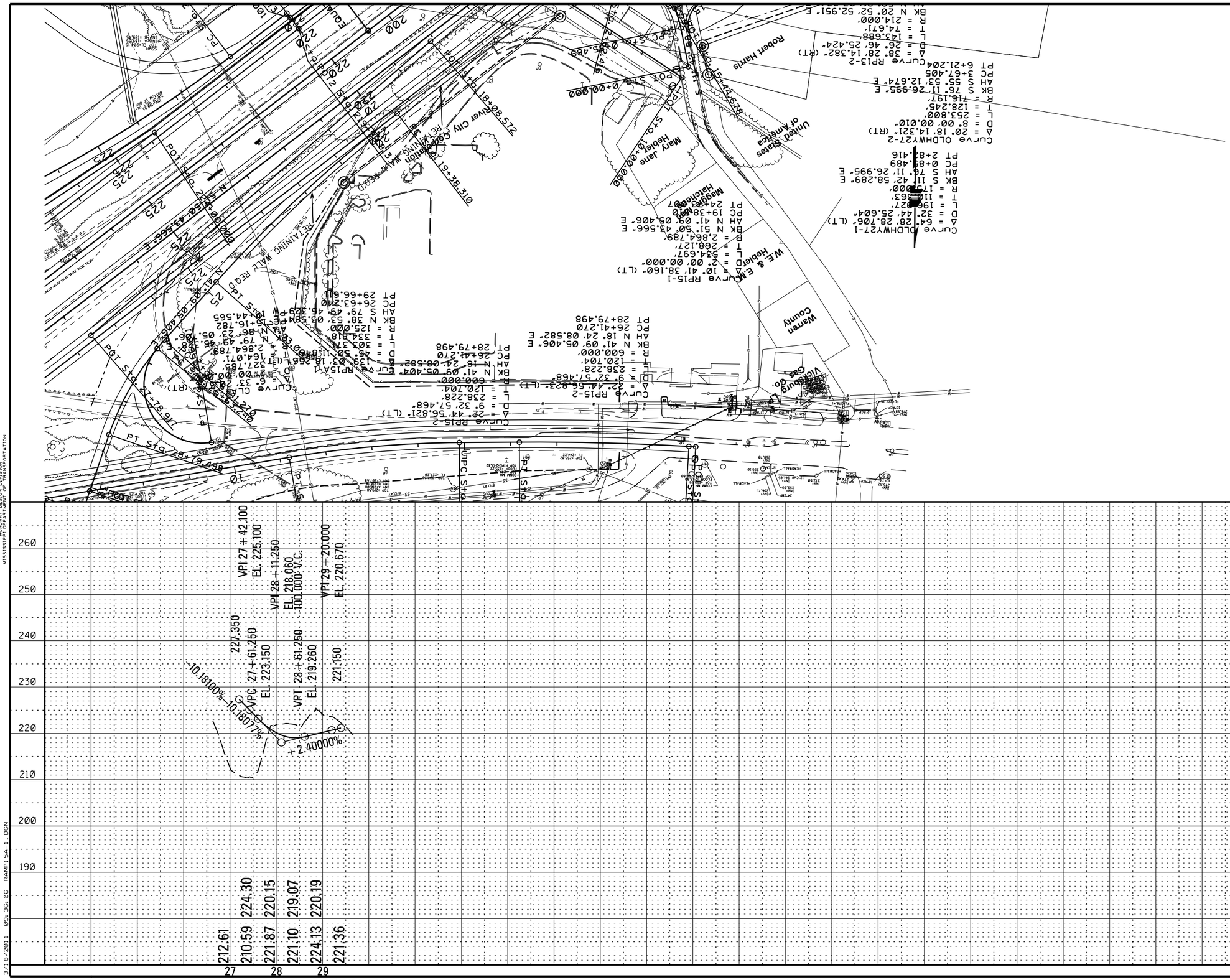
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/15/2012 13:34:13 RAMP15-1.DGN

Wk. Sh. 7A-5
Sh. No.

DESIGN TEAM: FILENAME: RAMP15-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



Wk. Sh. 7A-6

Sh. No.

DESIGN TEAM: FILENAME: RAMP15A-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

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21	238.13	226.28
22	239.67	227.56
	241.56	229.18
	242.60	231.09
	243.32	233.02
	244.23	234.95
	245.43	236.88
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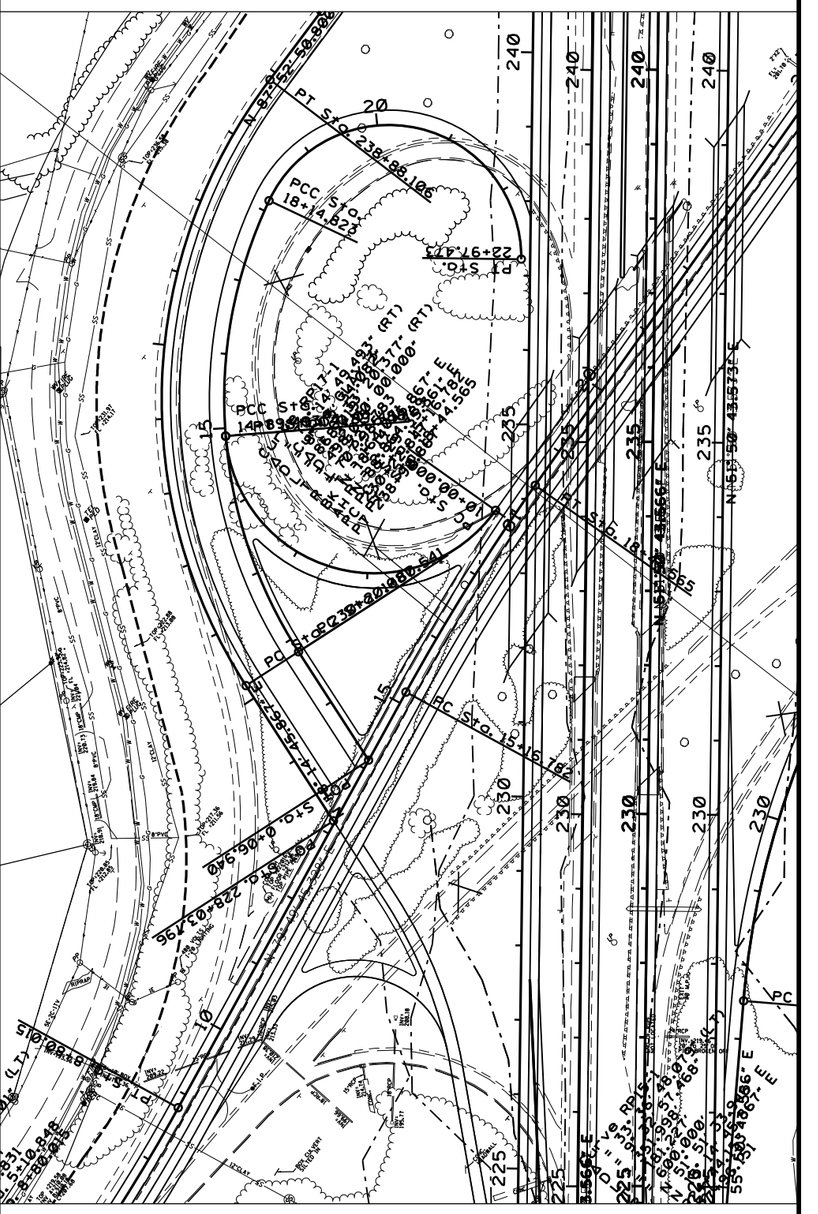


DESIGN TEAM:

FILENAME: LP5-1.DGN

COUNTY:

PROJECT NO.: 7 PHASE A

SHEET ID:

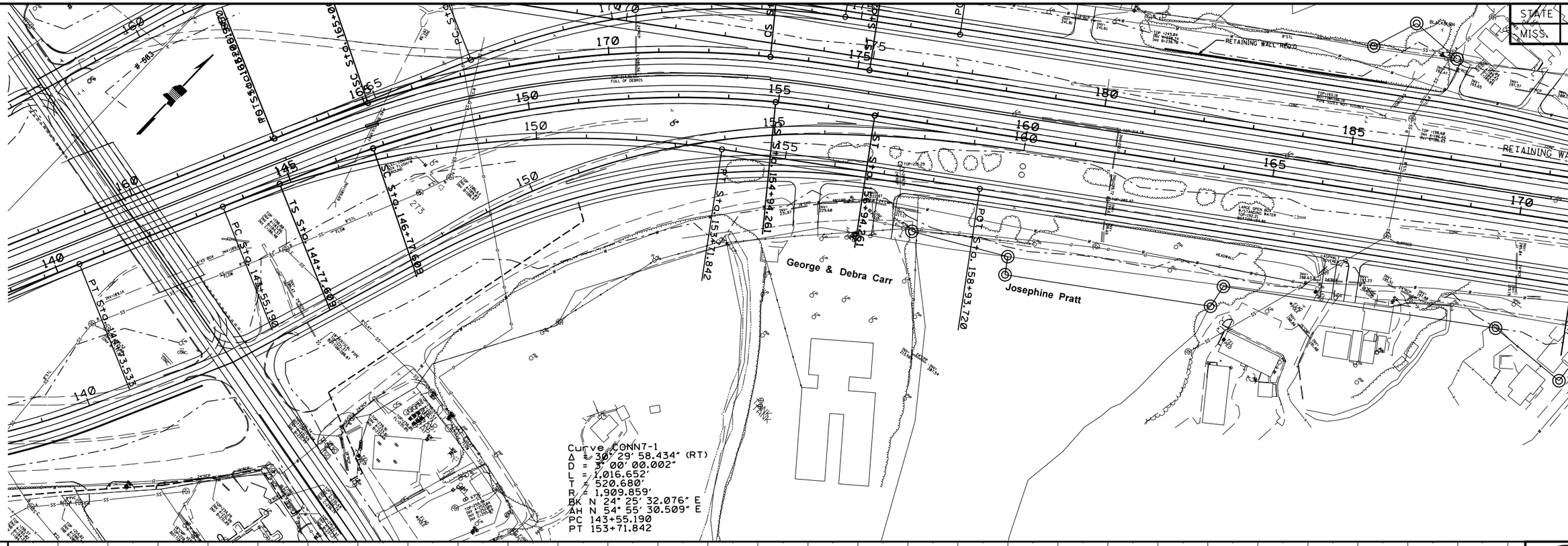
STATE: MISS.

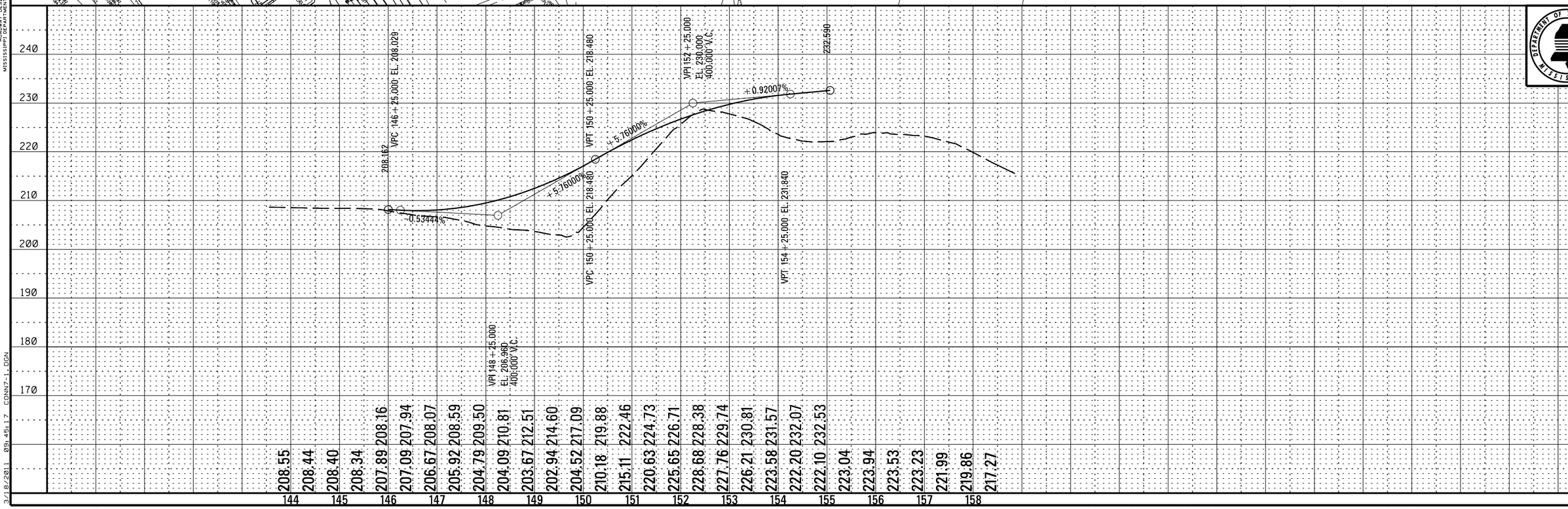
PROJECT NO.

Wk. Sh. 7A-7

Sta. No.

STATE	PROJECT NO.
MISS.	





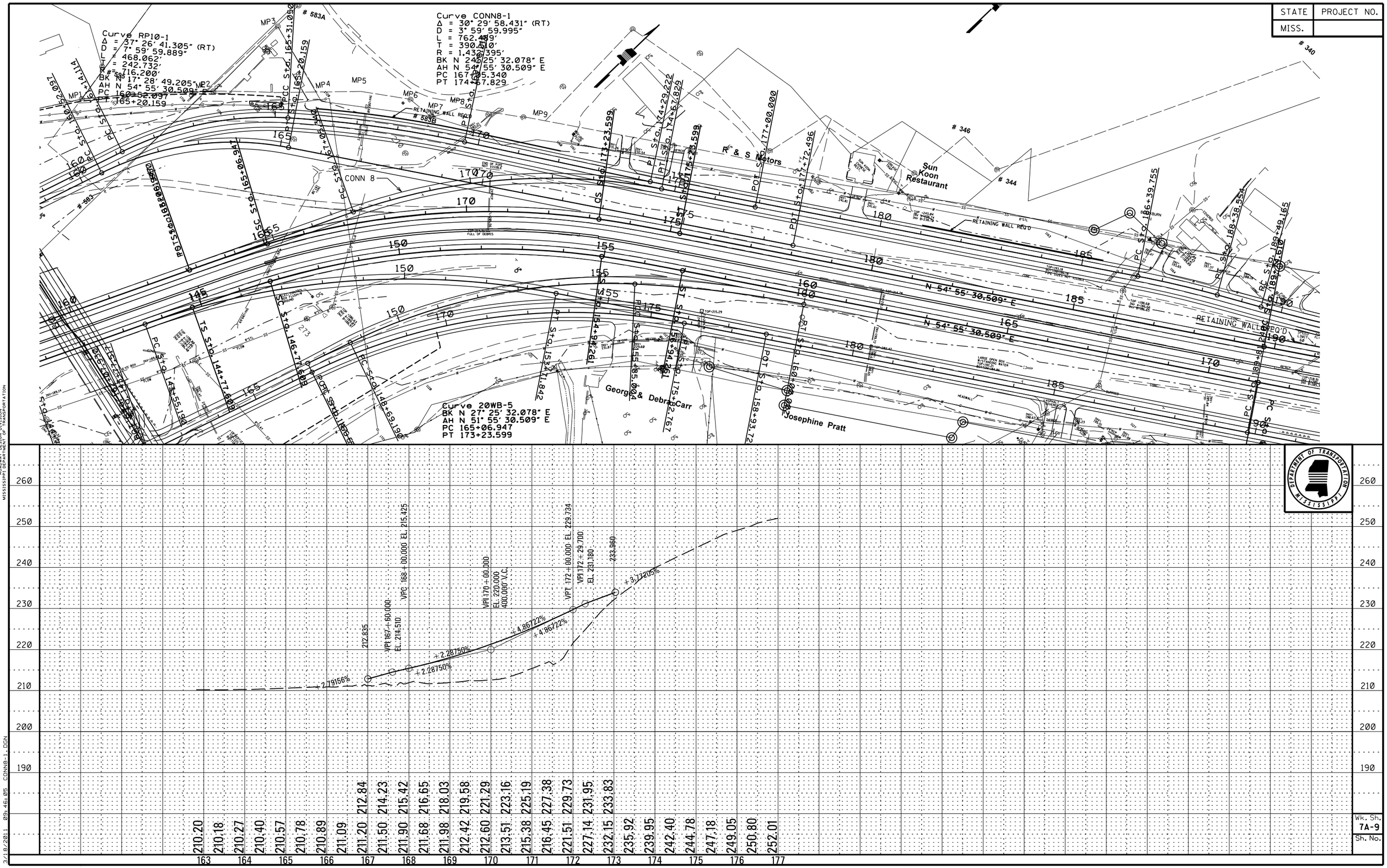
Wk. Sh. 7A-8
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:45:17 CONN7-1.DGN

DESIGN TEAM: FILENAME: CONN7-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	

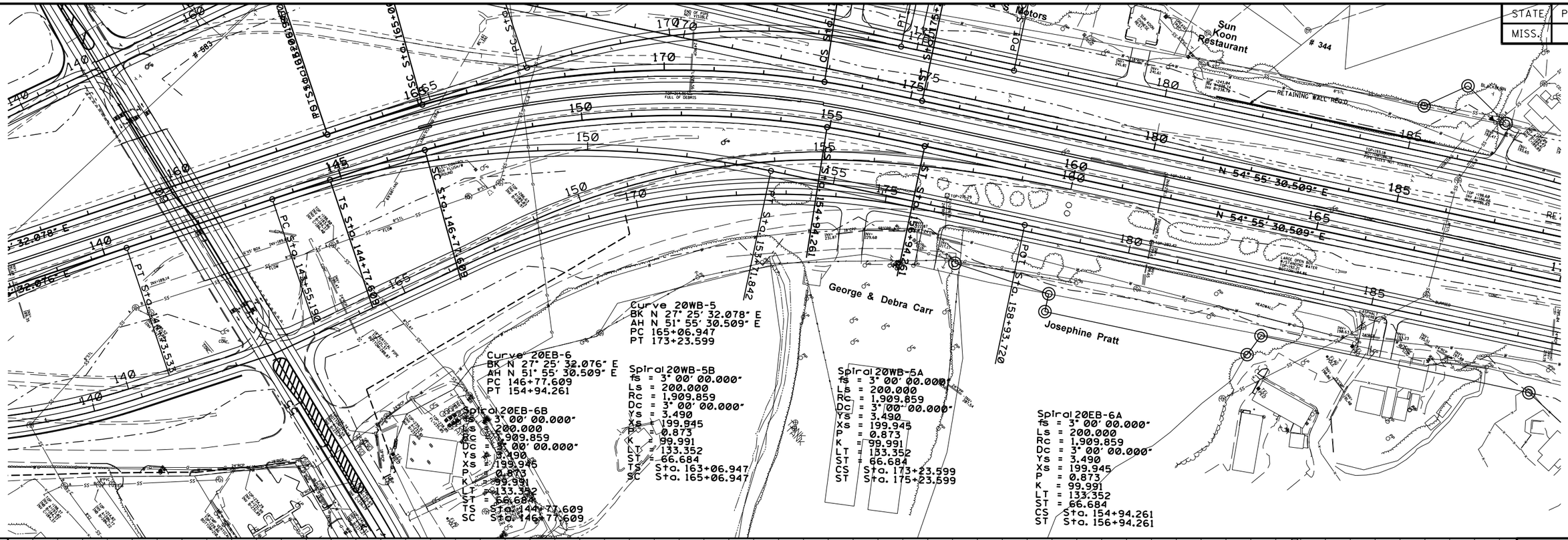


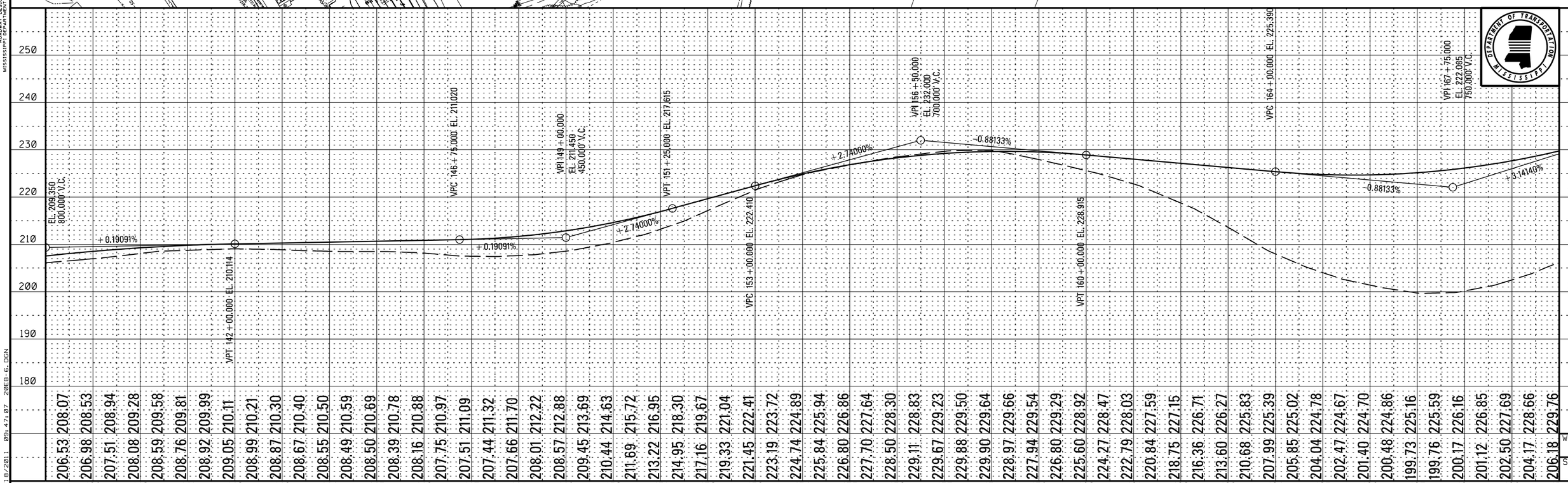
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:46:05 CONN8-1.DGN

DESIGN TEAM: FILENAME: CONN8-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



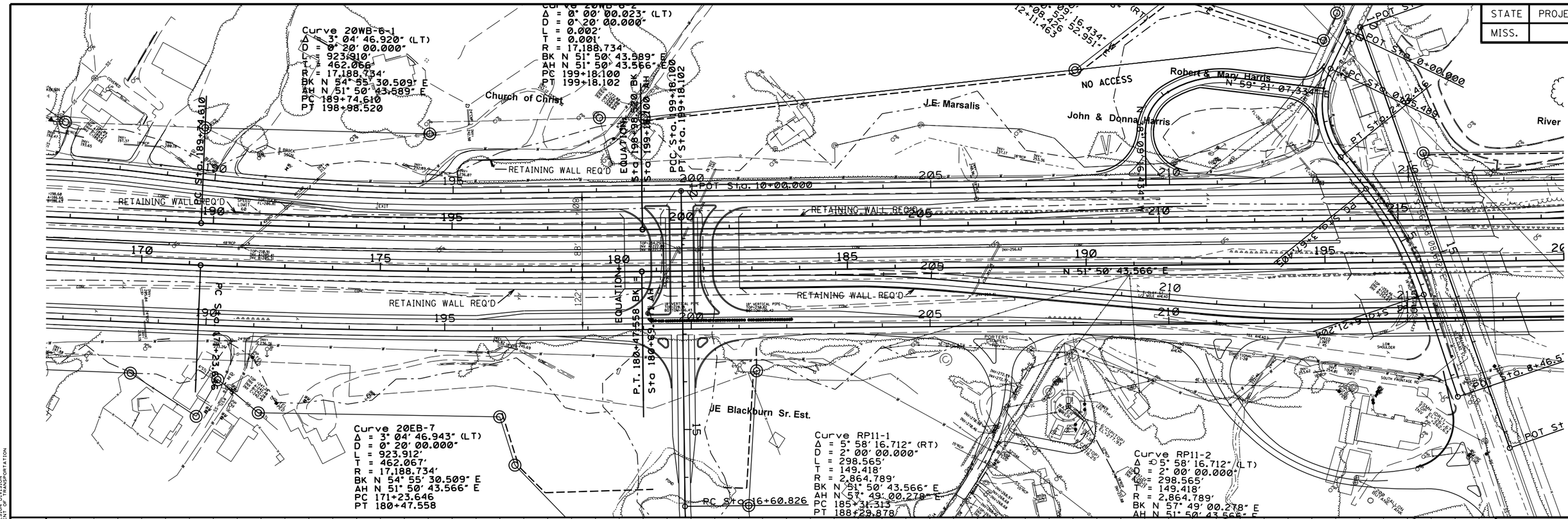


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

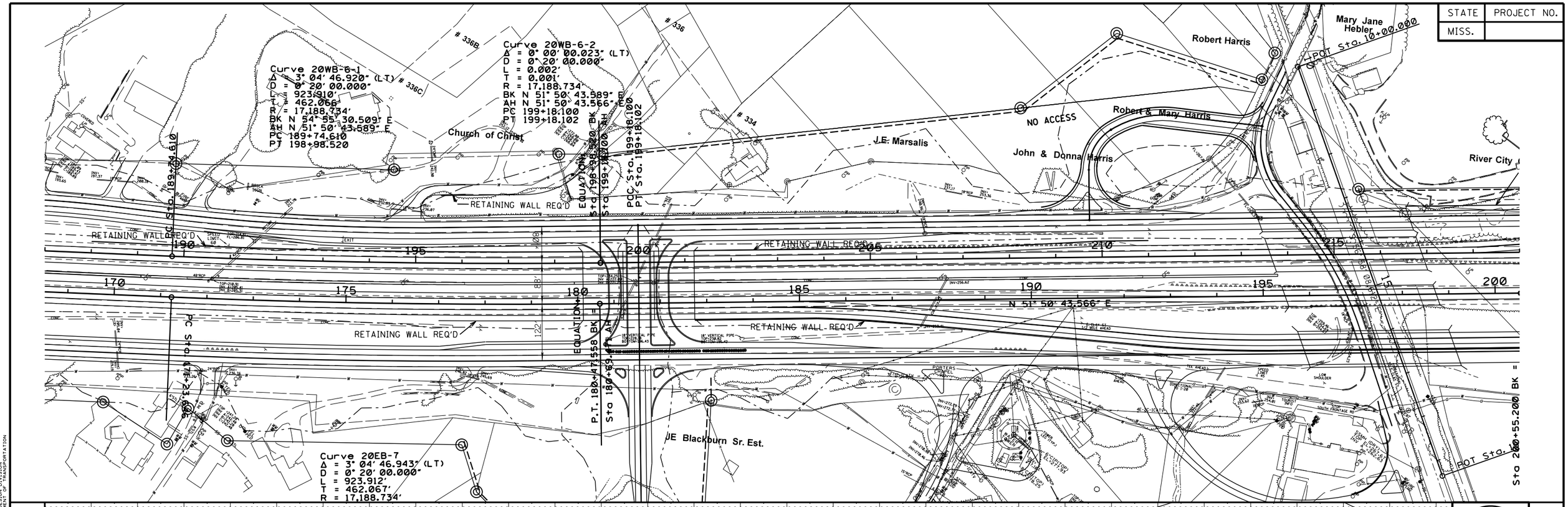
3/18/2011 09:47:07 20EB-6.DGN

DESIGN TEAM: FILENAME: 20EB-6.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	

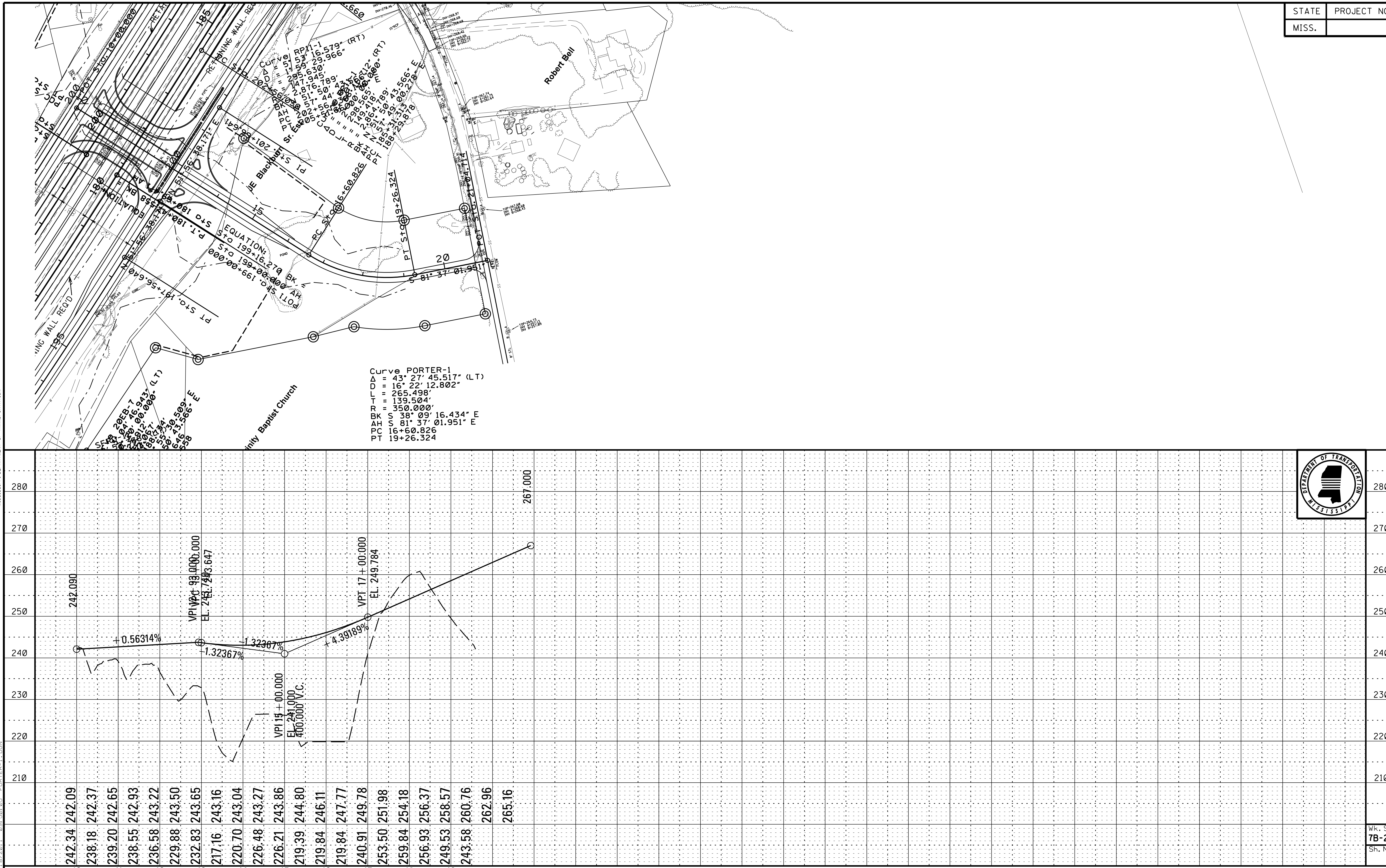


STATE	PROJECT NO.
MISS.	



DESIGN TEAM: FILENAME: 20WB-7.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

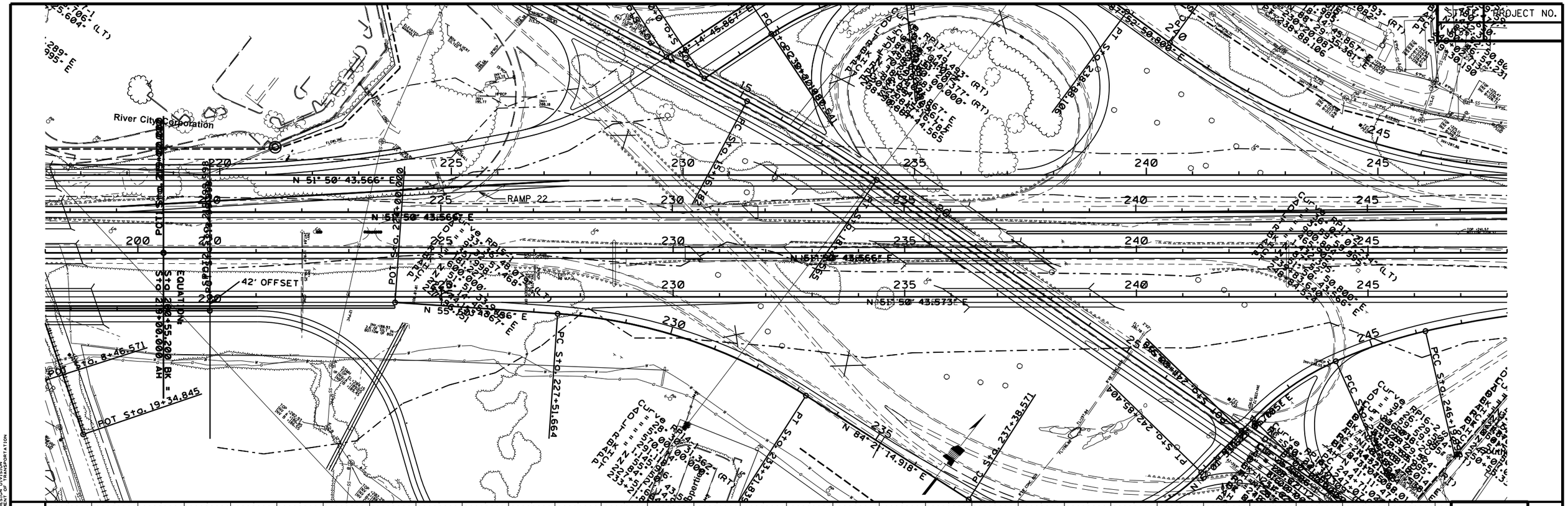
STATE	PROJECT NO.
MISS.	

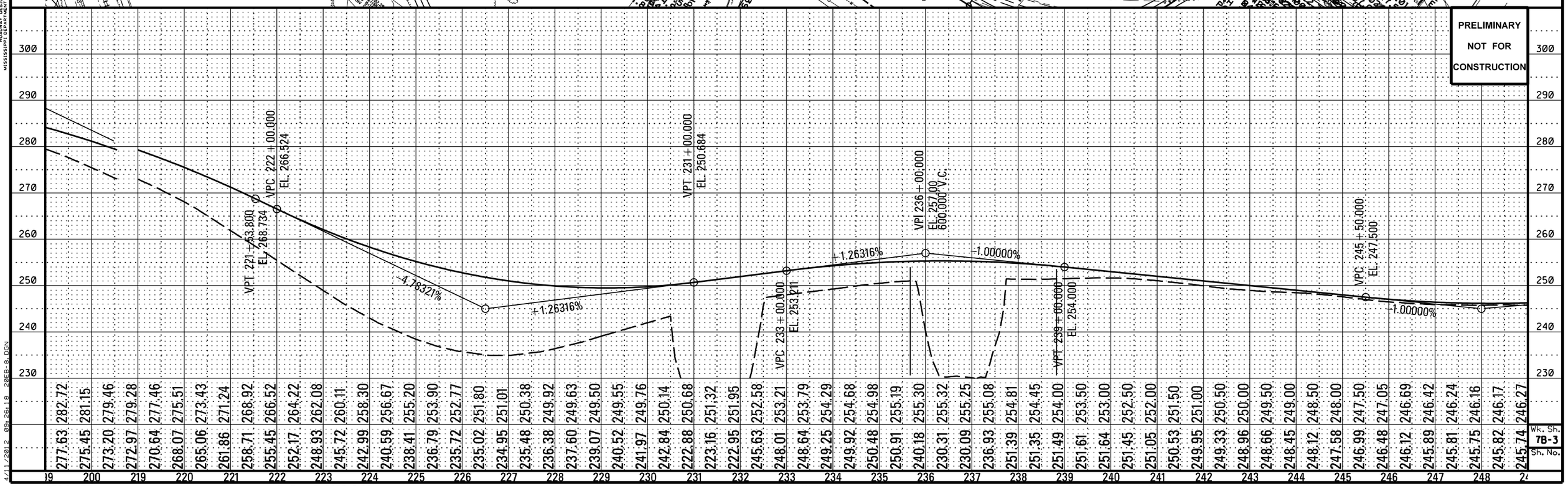


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Wk. Sh. 7B-2.2
Sh. No.

DESIGN TEAM: *FILENAME:* PORTER-1.DGN *COUNTY:* *PROJECT NO. :* 7 PHASE B *SHEET ID:*

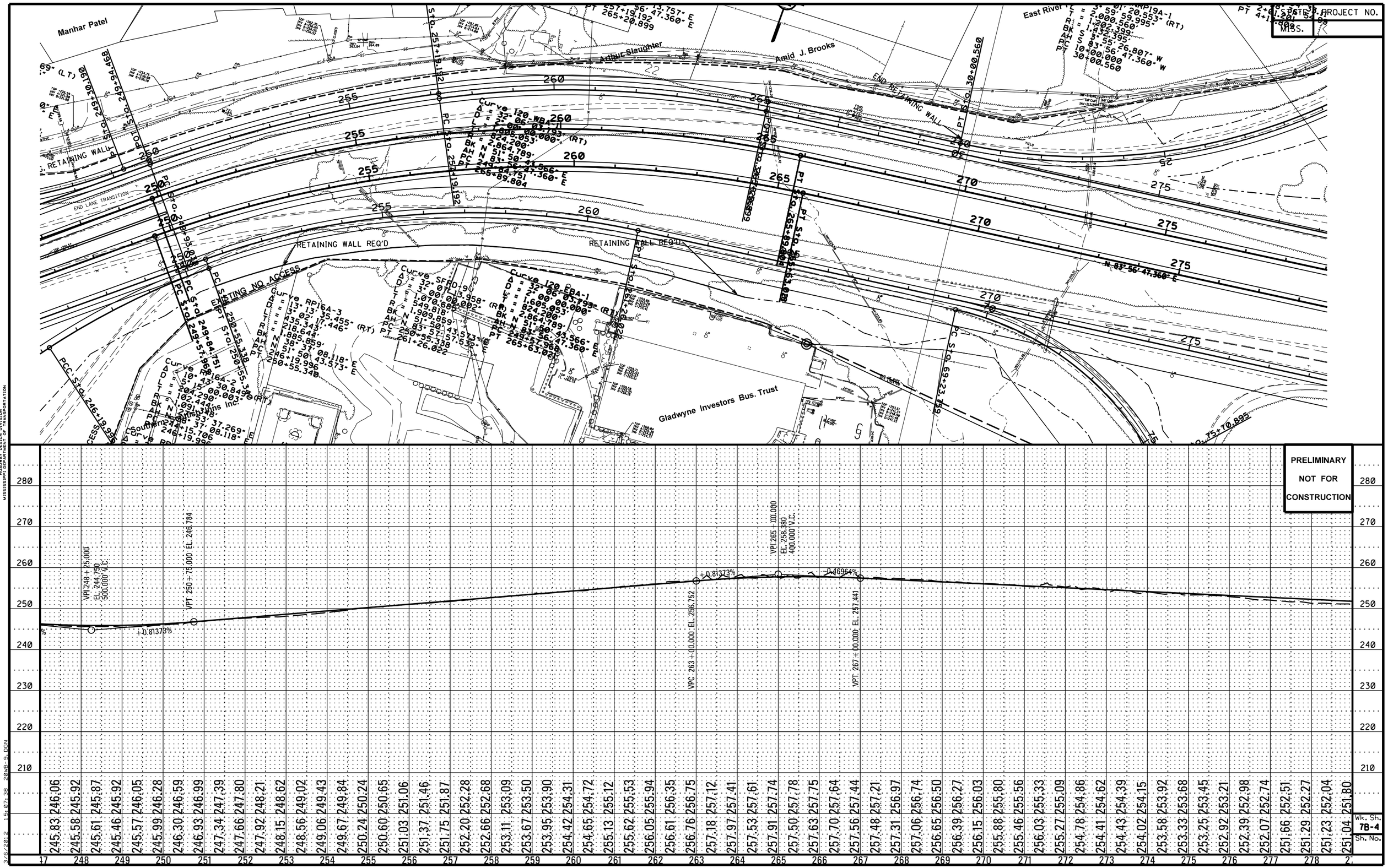




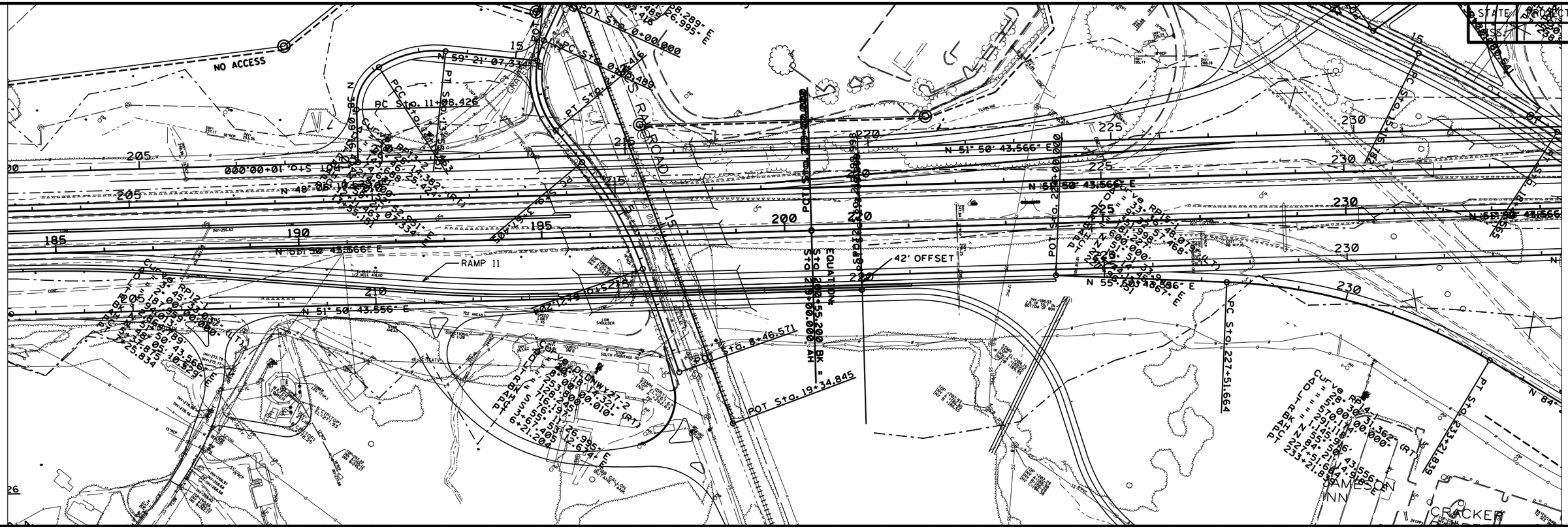
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

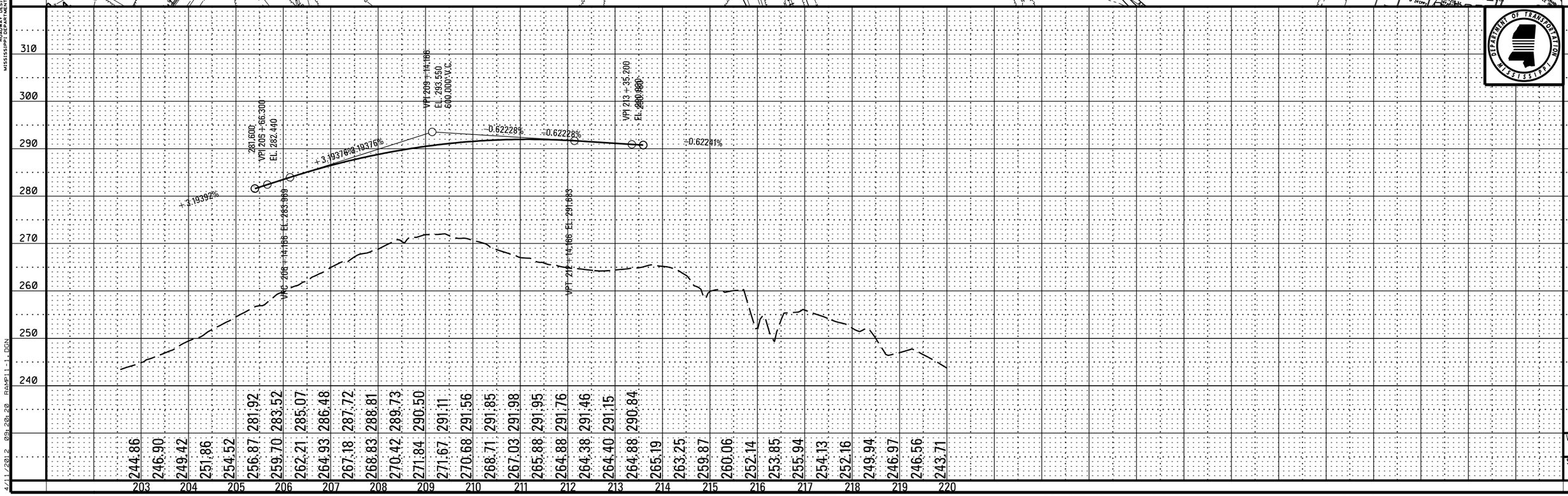
4/11/2012 09:26:18 20EB-8.DGN

DESIGN TEAM: FILENAME: 20EB-8.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:


PROJECT NO.
MISS.
Manhar Patel
Arthur Slaughter
Amid J. Brooks
East River
END RETAINING WALL
RETAINING WALL
END LANE TRANSITION
RETAINING WALL REQ'D
EXISTING NO ACCESS
Gladwyne Investors Bus. Trust
PRELIMINARY
NOT FOR
CONSTRUCTION
VPI 248 + 25.000
EL. 244.750
500.000' V.C.
VPT 250 + 75.000 EL. 246.784
+0.81373%
VPC 263 + 00.000 EL. 256.752
VPI 265 + 00.000
EL. 258.380
400.000' V.C.
-0.46964%
VPT 267 + 00.000 EL. 257.441
Wk. Sh.
7B-4
Sh. No.
DESIGN TEAM:
FILENAME: 20WB-9.DGN
COUNTY:
PROJECT NO. : 7 PHASE B
SHEET ID:
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
3/6/2012 15:07:38 20WB-9.DGN

STATE PROJECT NO.





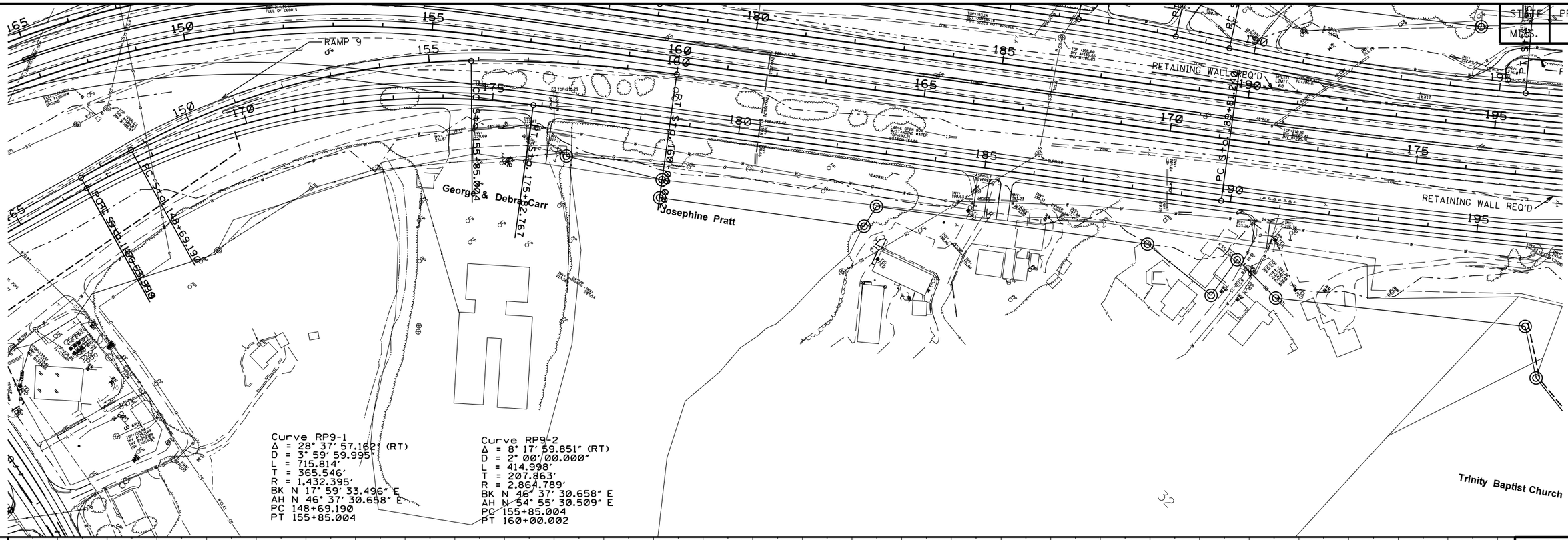
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

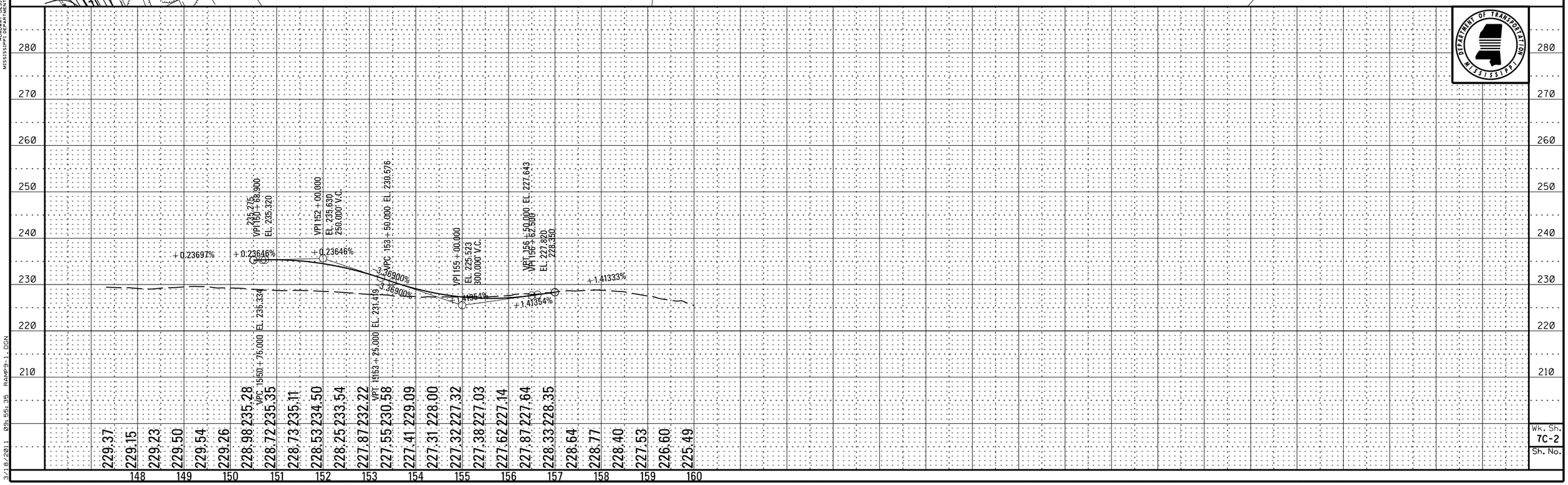
4/11/2012 09:20:20 RAMP11-1.DGN

Wk. Sh. 7C-1
Sh. No.

DESIGN TEAM: FILENAME: RAMP11-1.DGN COUNTY: PROJECT NO. : 7 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

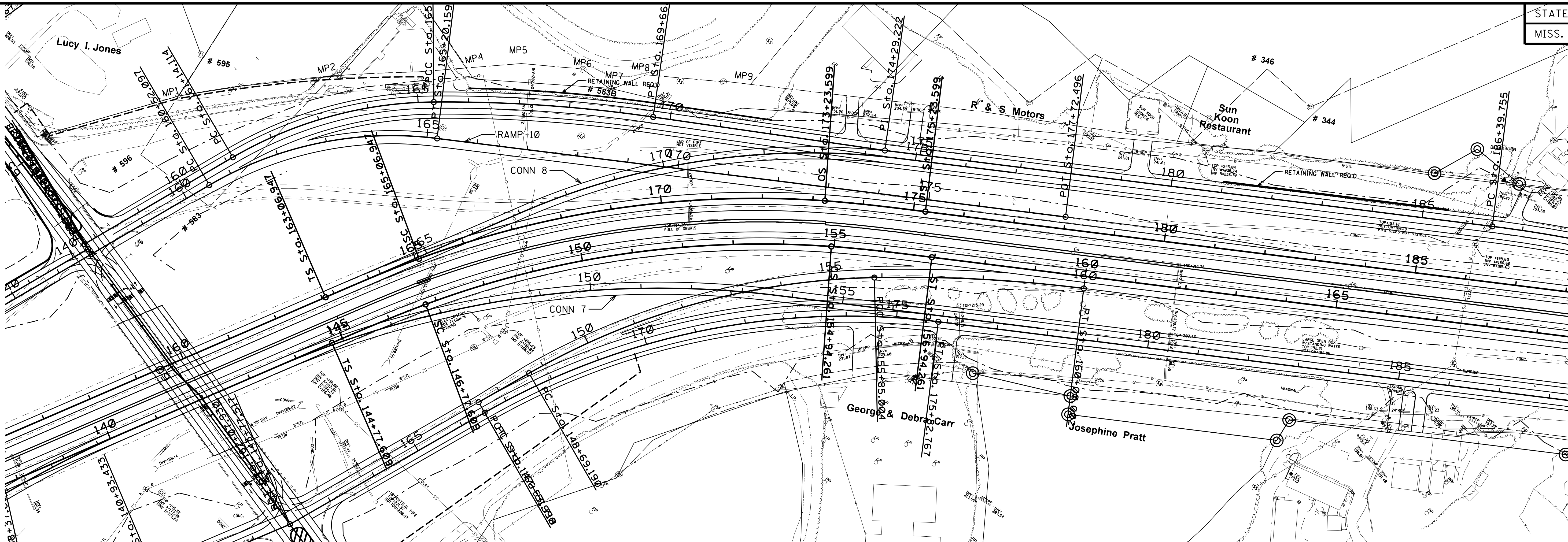
3/18/2011 09:55:35 RAMP9-1.DGN

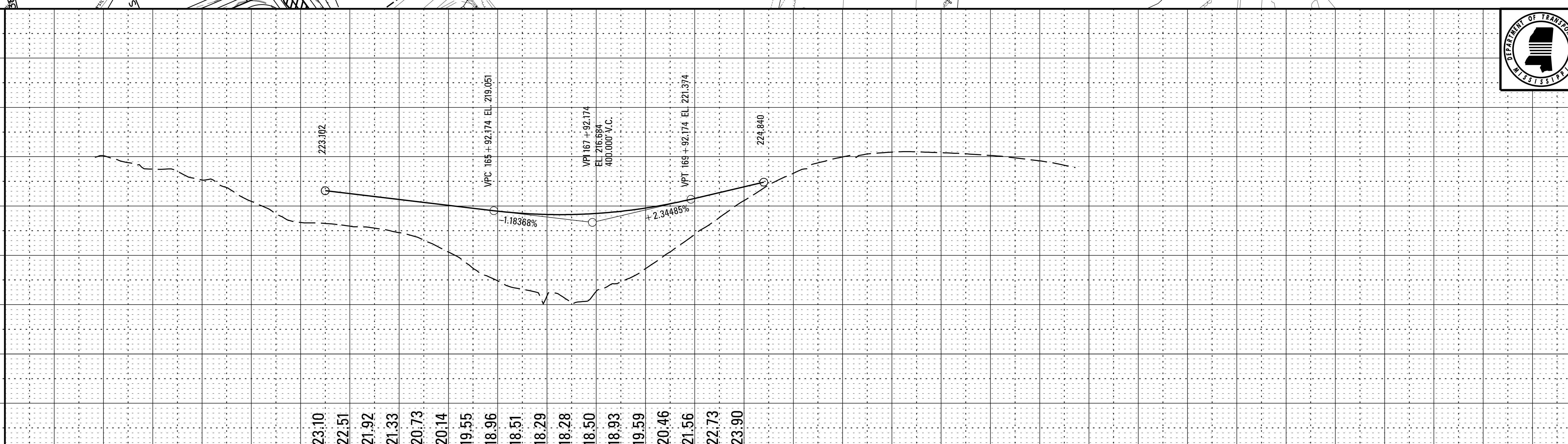
Wk. Sh.
7C-2
Sh. No.

DESIGN TEAM: FILENAME: RAMP9-1.DGN COUNTY: PROJECT NO. : 7 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION





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	227.47
	227.02
	225.28
	223.73
	220.94
	218.43
	216.66
223.10	216.47
222.51	215.91
221.92	215.51
221.33	214.59
220.73	213.10
220.14	210.66
219.55	207.37
218.96	204.82
218.51	203.14
218.29	201.78
218.28	200.38
218.50	202.70
218.93	204.62
219.59	207.30
220.46	210.72
221.56	214.27
222.73	217.66
223.90	221.10
	224.30
	226.63
	228.76
	229.95
	230.56
	230.93
	230.99
	230.80
	230.58
	230.26
	229.76
	229.17
	228.27

158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177

Wk. Sh. 7C-3

Sh. No.

3/18/2011 09:56:26 RAMP10-1.DGN

DESIGN TEAM: FILENAME: RAMP10-1.DGN COUNTY: PROJECT NO.: 7 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	

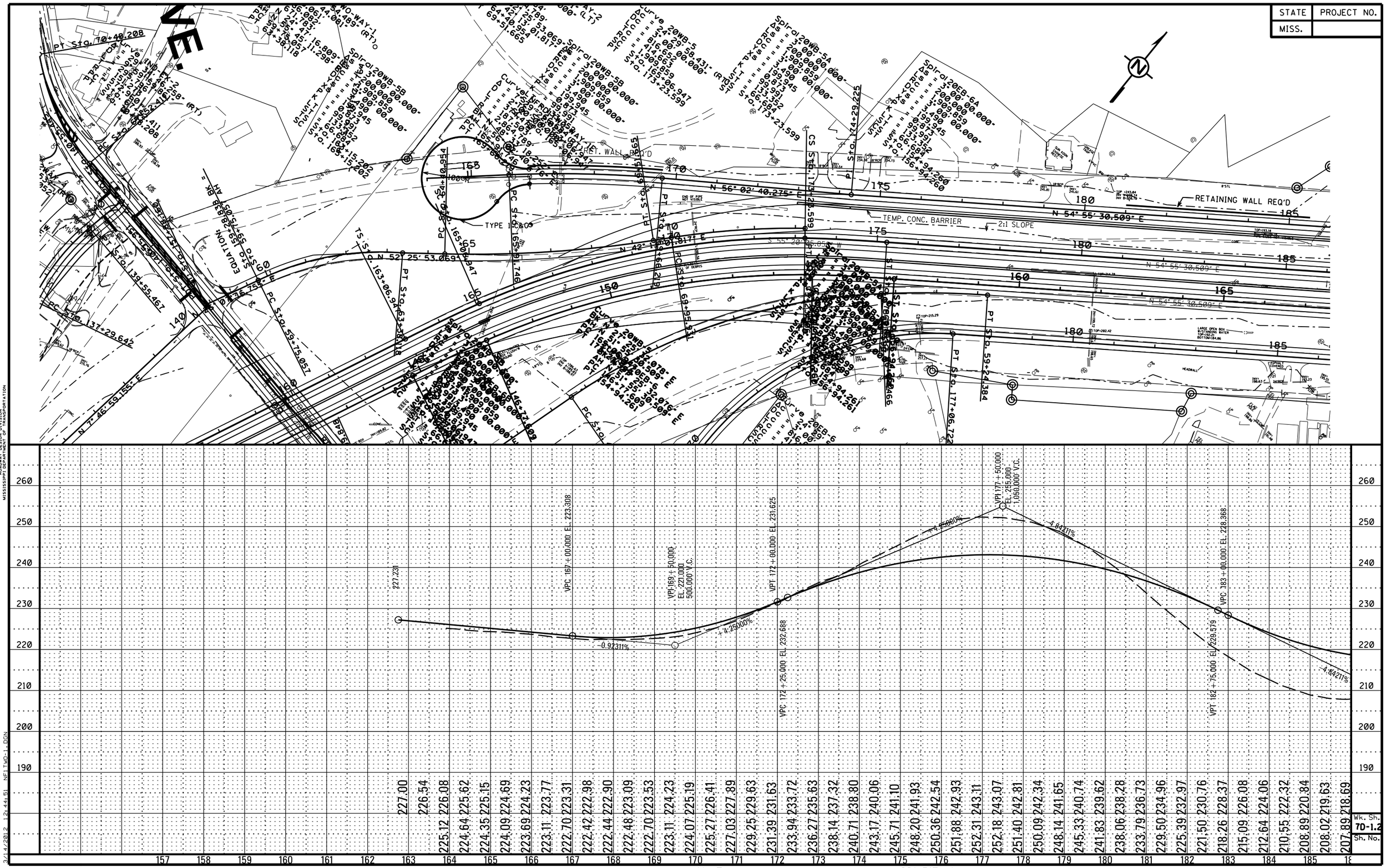
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 11:35:21 NF2WAY-3.DGN

Wk. Sh.
7D-1.1
Sh. No.

DESIGN TEAM: FILENAME: NF2WAY-3.DGN COUNTY: PROJECT NO. : 3 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



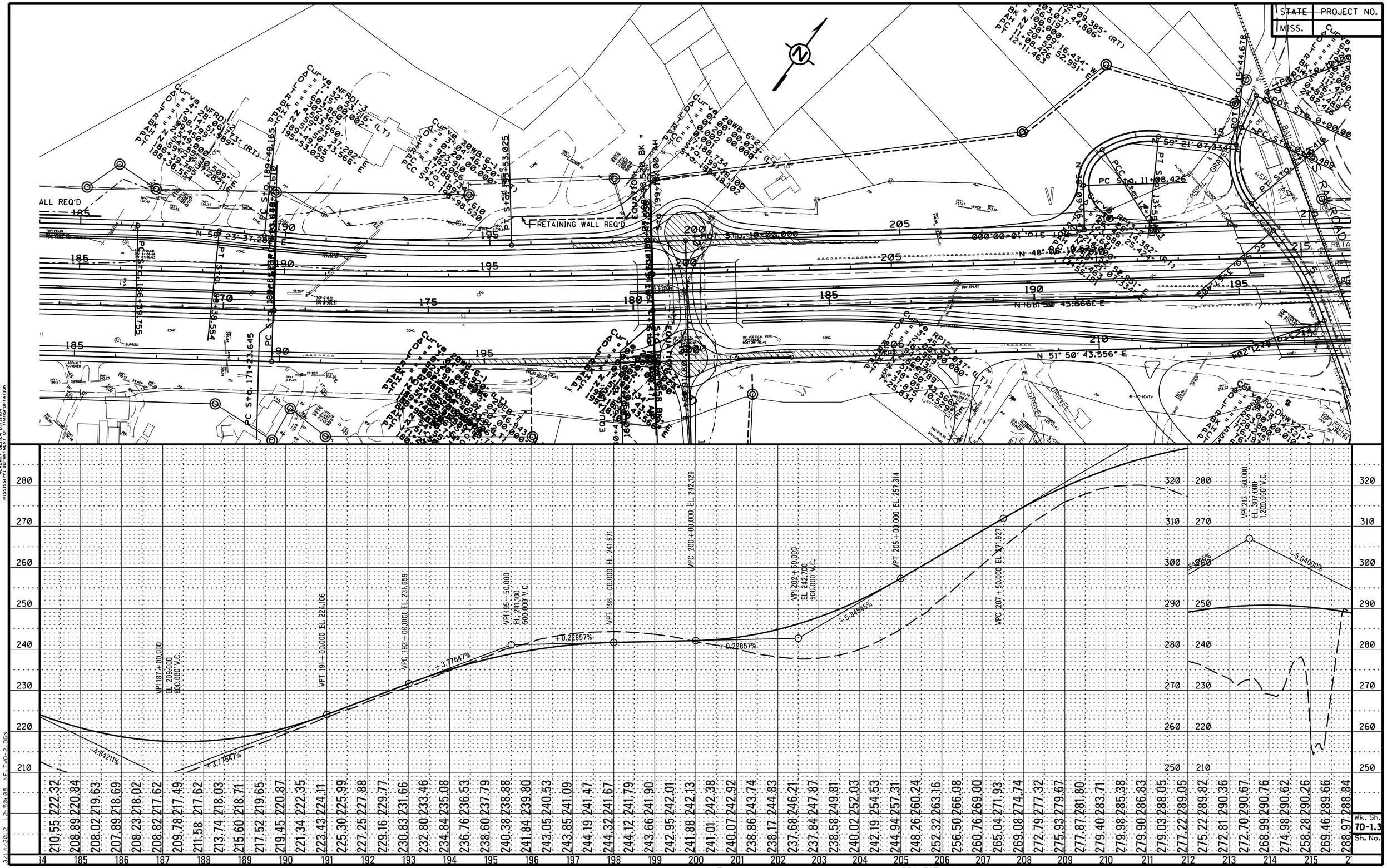
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 12:44:51 NF1TWO-1.DGN

Wk. Sh.
7D-1.2
Sh. No.

DESIGN TEAM: FILENAME: NF1TWO-1.DGN COUNTY: PROJECT NO. : 7 PHASE D SHEET ID:

STATE	PROJECT NO.
MISS.	



PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 12:50:05 NF1TWO-2.DGN

DESIGN TEAM: FILENAME: NF1TWO-2.DGN COUNTY: PROJECT NO. : 7 PHASE D SHEET ID:

STATE	PROJECT NO.
MISS.	

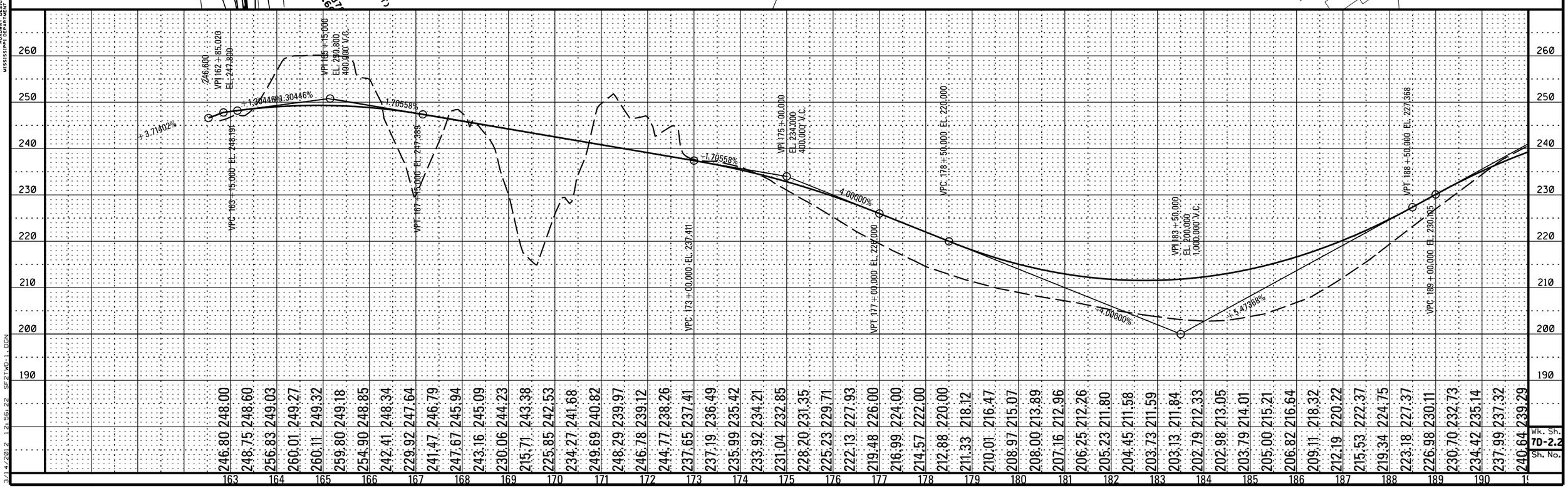
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 12:53:34 SFTWO-3.DGN

Wk. Sh.
7D-2.1
Sh. No.

DESIGN TEAM: FILENAME: SFTWO-3.DGN COUNTY: PROJECT NO. : 3 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



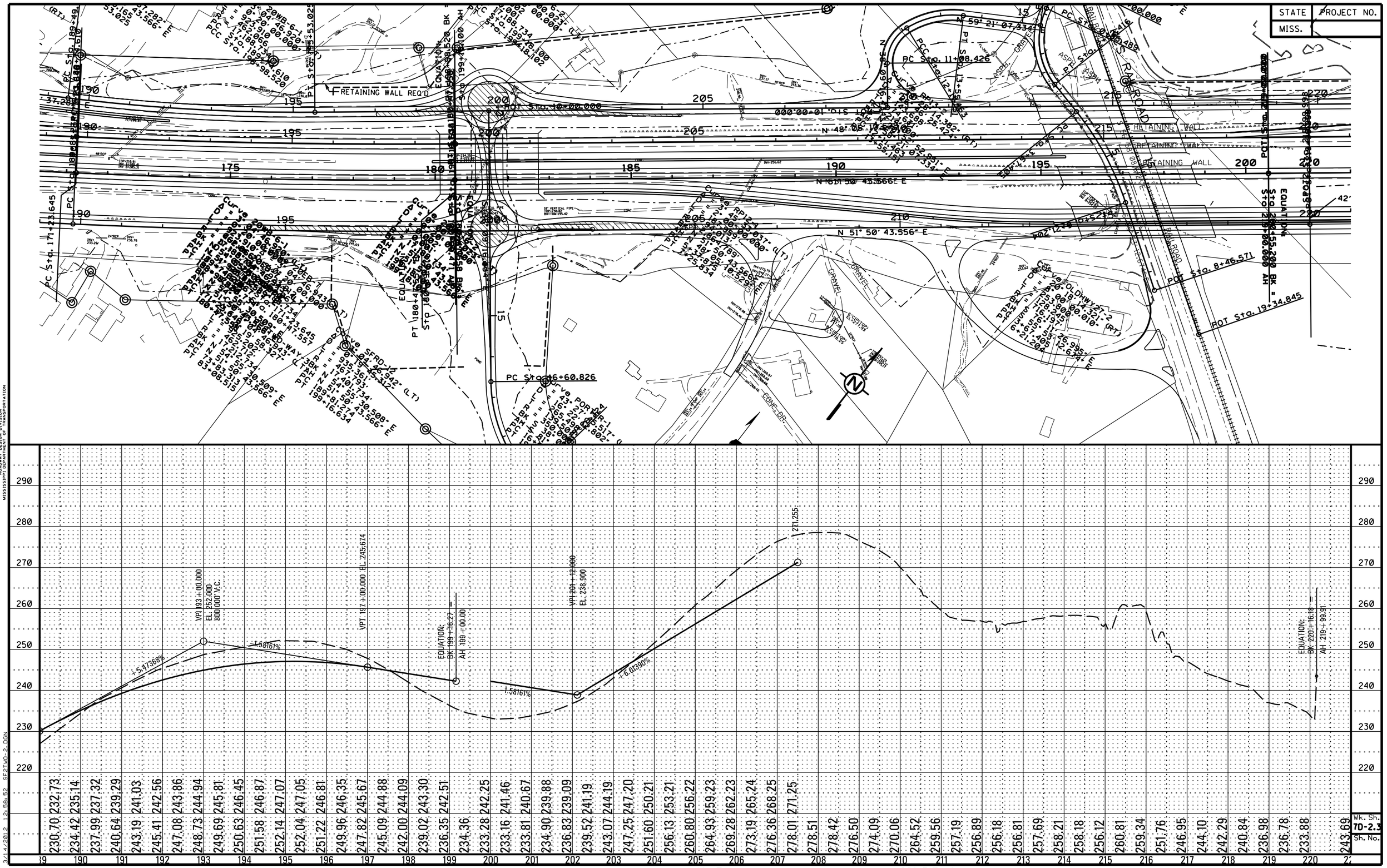
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 12:56:22 SF2TWO-1.DGN

Wk. Sh.
7D-2.2
Sh. No.

DESIGN TEAM: FILENAME: SF2TWO-1.DGN COUNTY: PROJECT NO. : 7 PHASE D SHEET ID:

STATE	PROJECT NO.
MISS.	



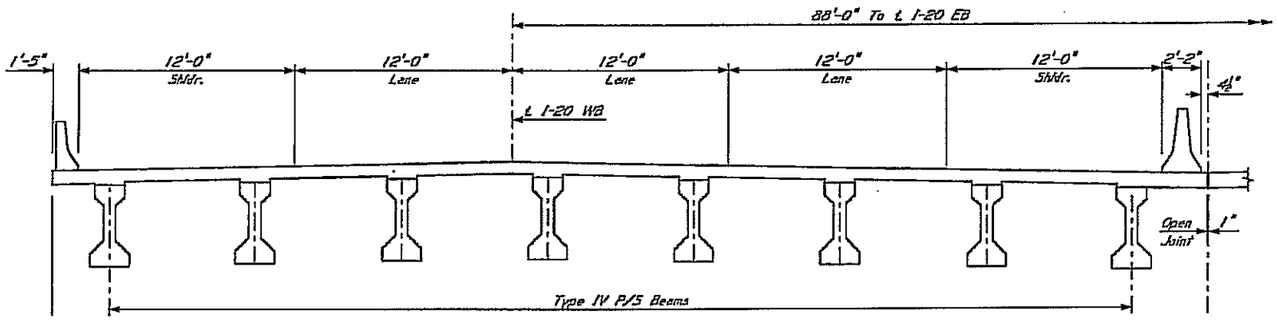
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/14/2012 12:58:52 SF2TWO-2.DGN

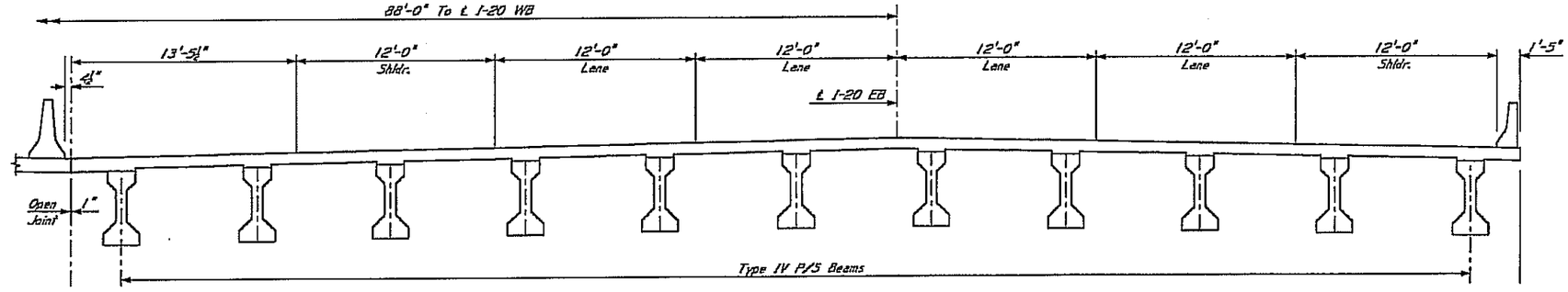
DESIGN TEAM: FILENAME: SF2TWO-2.DGN COUNTY: PROJECT NO. : 7 PHASE D SHEET ID:

Wk. Sh.	
7D-2.3	
Sh. No.	

STATE	PROJECT NO.
MISS.	



I-20 WESTBOUND OVER EAST TURNAROUND



I-20 EASTBOUND OVER EAST TURNAROUND

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE _____

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 EB & WB OVER EAST TURNAROUND

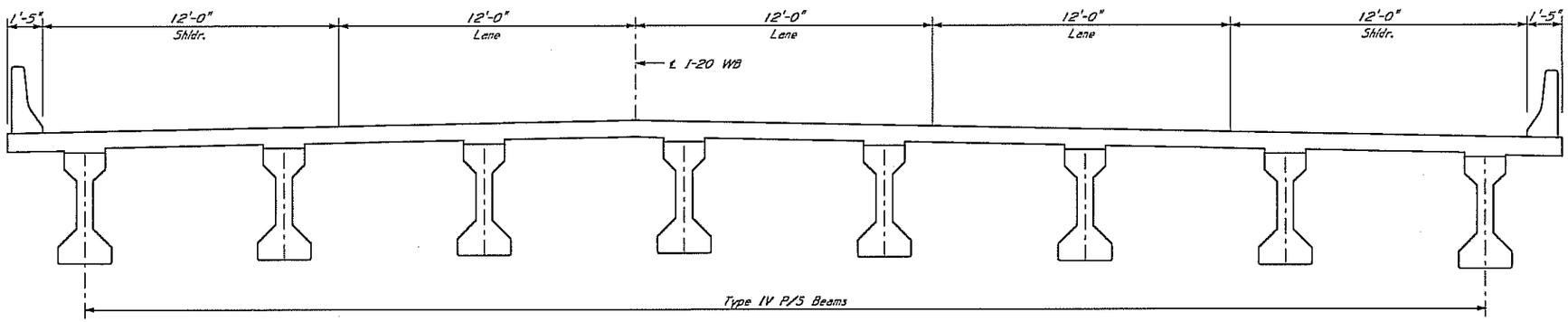
WORKING NUMBER
BTS7-1

SHEET NUMBER

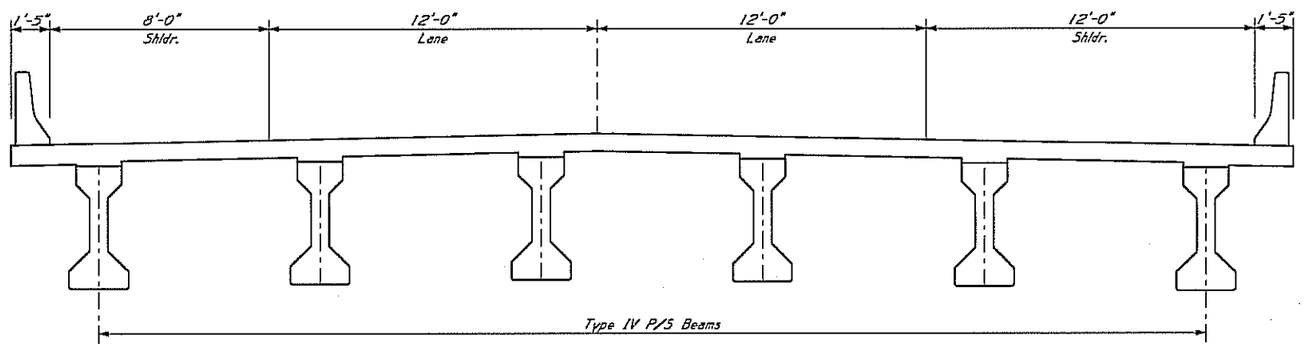
DATE | DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

FILE: S:\Projects\6562 I20 VICKSBURG\Preliminary Drawings (dgn)\Turnaround East\Turnaround East.dgn
DATE: 3/7/2011 TIME: 0:56:13 AM USER: CJC

STATE	PROJECT NO.
MISS.	



I-20 WESTBOUND OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RAILROAD



I-20 EASTBOUND OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RAILROAD

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

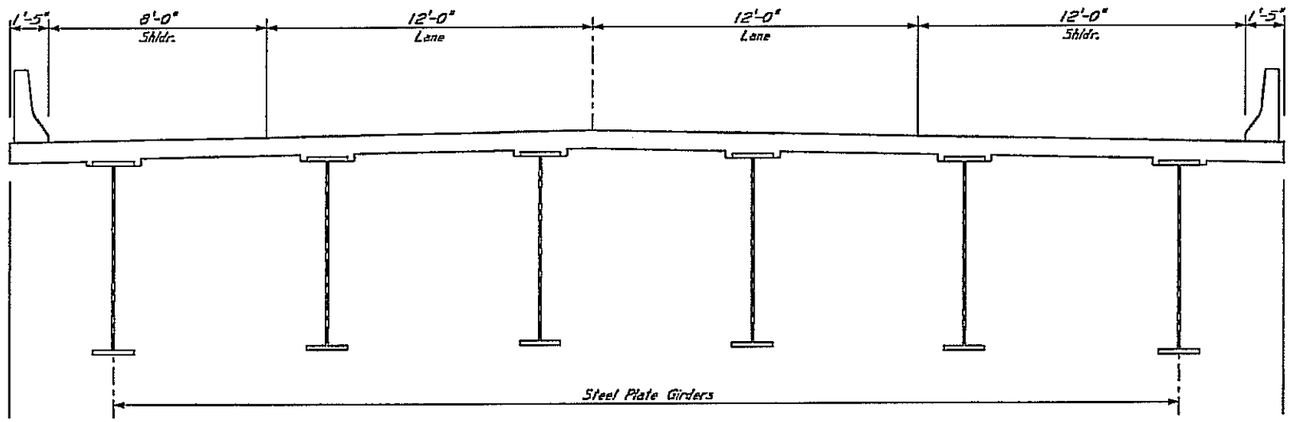
I-20 EASTBOUND & WESTBOUND
OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RR

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

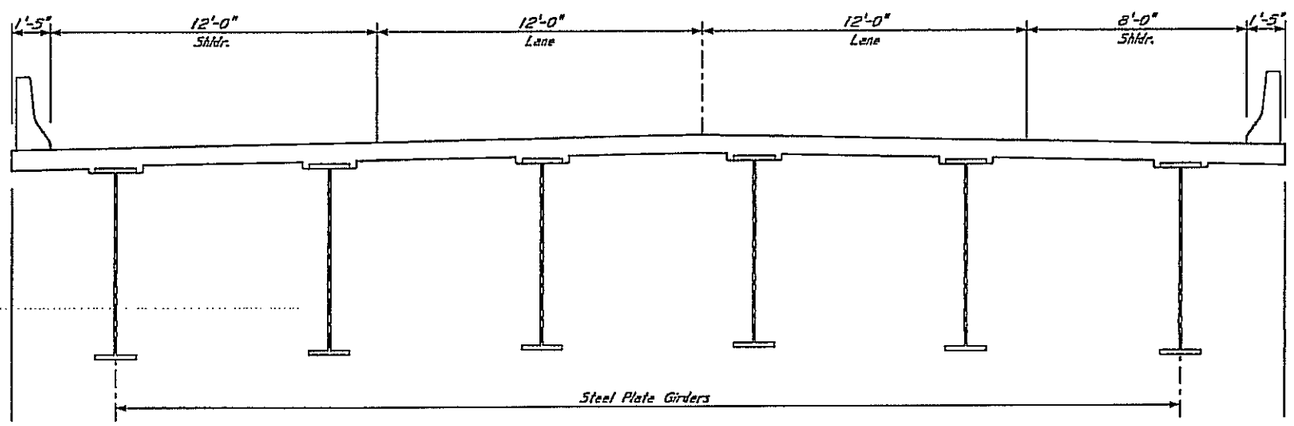
WORKING NUMBER
BTS7-2
SHEET NUMBER

FILE: S:\Projects\5562 I20 VICKSBURG\Preliminary Drawings (dgn)\Old Hwy 27 & RR\Old 27 & RR.dgn
DATE: 4/11/2012 TIME: 9:52:56 AM USER: KJK

STATE	PROJECT NO.
MISS.	



I-20 EASTBOUND



I-20 WESTBOUND

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 EASTBOUND & WESTBOUND
OVER CLAY STREET

WORKING NUMBER
BTS7-3

SHEET NUMBER

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

FILE: S:\Projects\5582 I20 VICKSBURG\Preliminary Drawings (dgn)\Clay St\Clay St.dgn
DATE: 3/7/2011 TIME: 8:53:54 AM USER: CMC

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A1)
County: WARREN
Lettingday: 06/30/2032
Scope of Work:
Rural/Urban: Rural
Rolling/Flat:
Grading:
Paving:

Length in Miles: 0.39
Grading Cost Per Mile: $0
Paving Cost Per Mile: $1,100,000 **(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:	0.39	x	$0	x	115%	$0
Paving Cost:	0.39		$1,100,000	x	115%	$493,350
Bridge cost:	4,160	x	$150.00	x	115%	$717,600
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	$44,940.00	x	115%	$51,681
					Total Estimate:	**$1,262,631**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt (68+75 to 70+75) = $44,940

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,500,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**
Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A1

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A1)
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
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	
Widen Existing Bridge	4,160	x	$150	=	$624,000	
		x	$125	=	$0	
		x	$125	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	4,160	x	$150.00	=	$624,000	

* 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:
- [x] 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 7 PHASE A2)

County: WARREN

Lettingday: 06/30/2032

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

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.42

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:	0.42	x	$1,910,000	x	115%	$922,530
Paving Cost:	0.42		$3,470,000	x	115%	$1,676,010
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	$4,624,500.00	x	115%	$5,318,175
					Total Estimate:	**$7,916,715**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt (246+00 to 270+00) = 46,245 SF @ $100.00 = $4,624,500

Anticipating a 3% inflation factor per year, the estimated construction cost is $15,500,000
(Includes Engineering and contingencies)

Remarks:

Estimated road length to approximate for 4-Ln Interstate (246+00 to 270+00)

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A2_2-27-12

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A3)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.16

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:	0.16	x	$1,910,000	x	115%	$351,440
Paving Cost:	0.16		$3,470,000	x	115%	$638,480
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:	**$989,920**

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 $1,900,000
(Includes Engineering and contingencies)

Remarks:

Est. as 1/2 of 4-Ln [for S. C-D Rd and Ramp 16 & 16A (240+00 to 250+50)]

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A3

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A4)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.37

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:	0.37	x	$620,000	x	115%	$263,810
Paving Cost:	0.37		$2,200,000	x	115%	$936,100
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	$3,021,860.00	x	115%	$3,475,139
					Total Estimate:	**$4,675,049**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt (250+00 to 264+00) = $3,021,860

Anticipating a 3% inflation factor per year, the estimated construction cost is $9,100,000
(Includes Engineering and contingencies)

Remarks:

S. C-D Rd (250+50 to 270+00)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A4

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A5)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.04

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:	0.04	x	$530,000	x	115%	$24,380
Paving Cost:	0.04		$490,000	x	115%	$22,540
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:	**$46,920**

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 $100,000
(Includes Engineering and contingencies)

Remarks:

Estimated for 200' of Temp. Conn. (Clay St. to Clay St. Loop to I-20 WB)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A5

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A6 & 6.1)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.13

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:	0.13	x	$1,920,000	x	115%	$287,040
Paving Cost:	0.13		$2,250,000	x	115%	$336,375
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:	**$623,415**

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 $1,200,000
(Includes Engineering and contingencies)

Remarks:

Est. for 700' N. C-D Rd (224+00 to 231+00) and 700' Temp. Ramp 15.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A6 & 6.1

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A7)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.48

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:	0.48	x	$1,920,000	x	115%	$1,059,840
Paving Cost:	0.48		$2,250,000	x	115%	$1,242,000
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:	**$2,301,840**

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 $4,500,000
(Includes Engineering and contingencies)

Remarks:

Loop 5 (1300'); Loop 5 Conn.(500'); Clay Ramp Conn.(500'); N. C-D Rd (250'); Est. length of 1/2 of MDOT 4-Ln estimate.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A7

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A8)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

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:	0.10	x	$1,920,000	x	115%	$220,800
Paving Cost:	0.10		$2,250,000	x	115%	$258,750
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:	**$479,550**

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 $900,000
(Includes Engineering and contingencies)

Remarks:

CONN. 7 (1100'): Est. 1/2 length to compensate for Interstate long-term detour and traffic control

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A8

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE A9)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

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:	0.10	x	$1,920,000	x	115%	$220,800
Paving Cost:	0.10		$2,250,000	x	115%	$258,750
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:	**$479,550**

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 $900,000
(Includes Engineering and contingencies)

Remarks:

CONN. 8 (1100'): Est. 1/2 length to compensate for Interstate long-term detour and traffic control

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A9

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE B1&2) MAINLINE (145+00 TO 200+55)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.58

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:	1.58	x	$1,920,000	x	115%	$3,488,640
Paving Cost:	1.58		$2,250,000	x	115%	$4,088,250
Bridge cost:	81,928	x	$80.10	x	115%	$7,546,760
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	$4,438,945.00	x	115%	$5,104,787
					Total Estimate:	**$20,228,437**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt I-20 EB 177+00 to 191+00 = $1,803,600; Br. Demolition over Old27&RR = $175,000; Retaining Wall Lt I-20 WB 188+00 to 211+00 = $2,285,345; Br. Demolition over Old27&RR = $175,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $39,500,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 50% to compensate for earthwork quantity and costs as well as extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B1&2

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B1&2) MAINLINE (145+00 TO 200+55)
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
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	
TurnAround Br @ 200+00	41,780	x	$85	=	$3,551,300	
I-20 EB Over Old27 & RR	15,454	x	$75	=	$1,159,050	
I-20 WB Over Old27 & RR	24,694	x	$75	=	$1,852,050	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	81,928	x	$80.10	=	$6,562,400	

* 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:
- [x] 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 7 PHASE B2A) (Porter Conn.)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.30

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:	0.30	x	$530,000	x	115%	$182,850
Paving Cost:	0.30		$490,000	x	115%	$169,050
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:	**$351,900**

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 $700,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 100% to compensate for intersection and extra lanes.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B2A

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE B3) MAINLINE-219+00 to 248+00

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.82

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:	0.82	x	$1,910,000	x	115%	$1,801,130
Paving Cost:	0.82		$3,470,000	x	115%	$3,272,210
Bridge cost:	44,957	x	$125.00	x	115%	$6,462,540
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	$250,000.00	x	115%	$287,500
					Total Estimate:	**$11,823,380**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

(2) Br. Demolitions over Clay St. = $125,000 + $125,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $23,100,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 50% to compensate for earthwork quantity and costs as well as extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B3

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B3) MAINLINE-219+00 to 248+00
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
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	
I-20 EB over Clay Street	22,478	x	$125	=	$2,809,800	
I-20 WB over Clay Street	22,478	x	$125	=	$2,809,800	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	44,957	x	$125.00	=	$5,619,600	

* 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:
- [x] 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 7 PHASE B4)(I-20 WB) 248+00 to 269+00

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.40

Grading Cost Per Mile: $0

Paving Cost Per Mile: $1,100,000 **(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:	0.40	x	$0	x	115%	$0
Paving Cost:	0.40		$1,100,000	x	115%	$506,000
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:	**$506,000**

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 $1,000,000
(Includes Engineering and contingencies)

Remarks:

(Mostly Interstate overlay)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B4

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE C1) RAMP 11

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.23

Grading Cost Per Mile: $0

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:	0.23	x	$0	x	115%	$0
Paving Cost:	0.23		$2,200,000	x	115%	$581,900
Bridge cost:	9,049	x	$150.00	x	115%	$1,560,884
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:	**$2,142,784**

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 $4,200,000
(Includes Engineering and contingencies)

Remarks:

RAMP 11 (I-20 EB TO S. FR. RD.)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C1

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE C1) RAMP 11
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
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	
Widening over Old27 & RR	9,049	x	$150	=	$1,357,290	
		x	$125	=	$0	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	9,049	x	$150.00	=	$1,357,290	

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

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
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Date: 07/01/2009

Check one:
- [x] 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 7 PHASE C2)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

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:	0.10	x	$1,910,000	x	115%	$219,650
Paving Cost:	0.10		$3,470,000	x	115%	$399,050
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:	**$618,700**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Adjusted road length to approximate 1/2 of 4-Ln MDOT Cost Estimate per mile.

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C2

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE C3)
County: WARREN
Lettingday: 06/30/2032
Scope of Work:
Rural/Urban: Rural
Rolling/Flat:
Grading:
Paving:

Length in Miles: 0.14
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:	0.14	x	$1,910,000	x	115%	$307,510
Paving Cost:	0.14		$3,470,000	x	115%	$558,670
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:	**$866,180**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Adjusted road length to approximate 1/2 of 4-Ln MDOT Cost Estimate per mile.

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,700,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**
Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C3

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 PHASE D1)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.62

Grading Cost Per Mile: $1,450,000

Paving Cost Per Mile: $2,210,000 **(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:	0.62	x	$1,450,000	x	115%	$1,033,850
Paving Cost:	0.62		$2,210,000	x	115%	$1,575,730
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:	**$2,609,580**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

S. FR. Rd - 750'+1200' ; N. FR. Rd. - 1300' omitted from Proj. 3 & 5

Anticipating a 4% inflation factor per year, the estimated construction cost is $6,400,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\ALTERNATE C\I-20 ALT C PROJECT 7 PHASE D1

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 (Roundabout @ 200+00)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.50

Grading Cost Per Mile: $1,450,000

Paving Cost Per Mile: $2,210,000 **(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	$1,450,000	x	115%	$833,750
Paving Cost:	0.50		$2,210,000	x	115%	$1,270,750
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:	**$2,104,500**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 4% inflation factor per year, the estimated construction cost is $5,100,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\ALTERNATE C\I-20 ALT C PROJECT 7 PHASE D2

Construction Cost Estimate

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

Date: 07/01/2009

Check one:
- [x] 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 7 MISC.)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

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	$2,578,432.00	x	115%	$2,965,197
					Total Estimate:	**$2,965,197**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -0.5($380,000)+$380,000=$570,000 : Signals -(6)@$150,000 = $900,000: Signing- (2%) of $55,421,601=$1,108,432: Total Misc.=$2,578,432

Anticipating a 3% inflation factor per year, the estimated construction cost is $5,800,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 MISC