

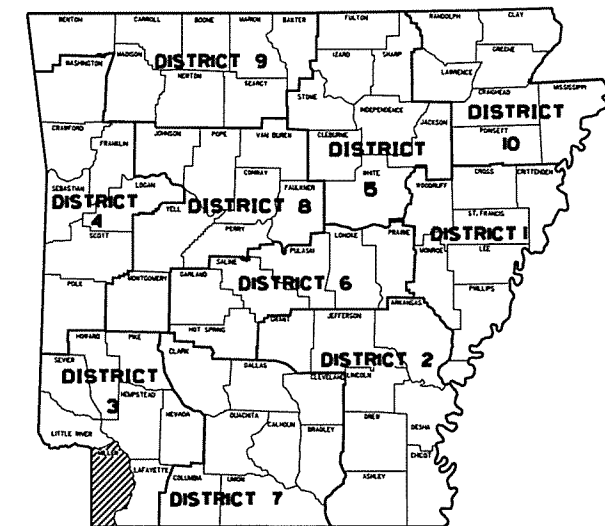
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	I	71
LA. ST. LINE-TEXARKANA (CABLE MEDIAN BARRIER) (S)								

"A FULLY CONTROLLED ACCESS FACILITY"
 ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
 CONSTRUCTION PLANS FOR STATE HIGHWAY

LA. ST. LINE-TEXARKANA (CABLE MEDIAN BARRIER) (S)

MILLER COUNTY
 INTERSTATE 49 SECTION I
JOB 030435

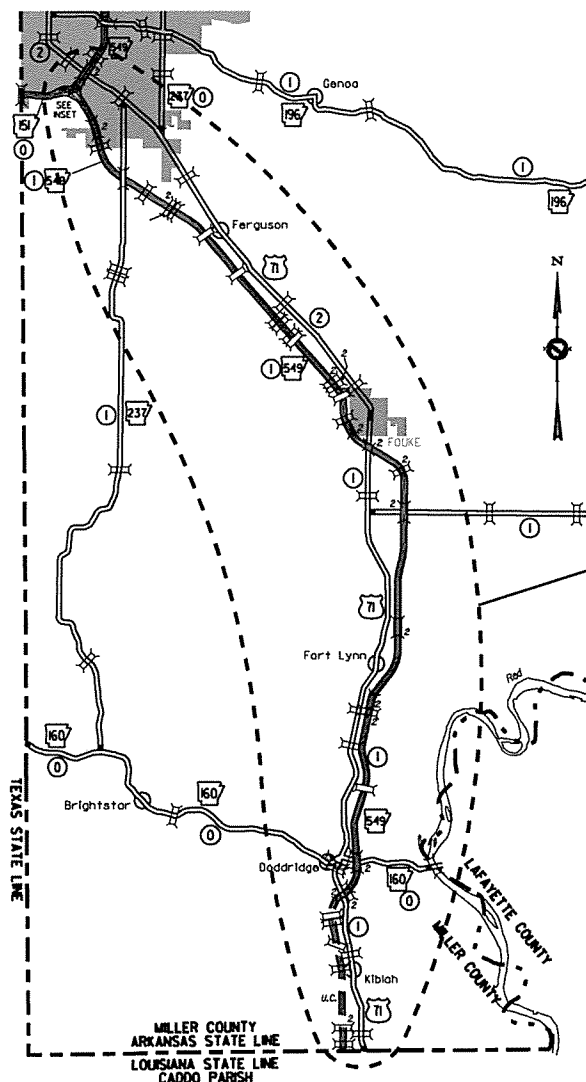
FED. AID PROJ. PEN-HS IP-0046(49)



ARK. HWY. DIST. NO. 3

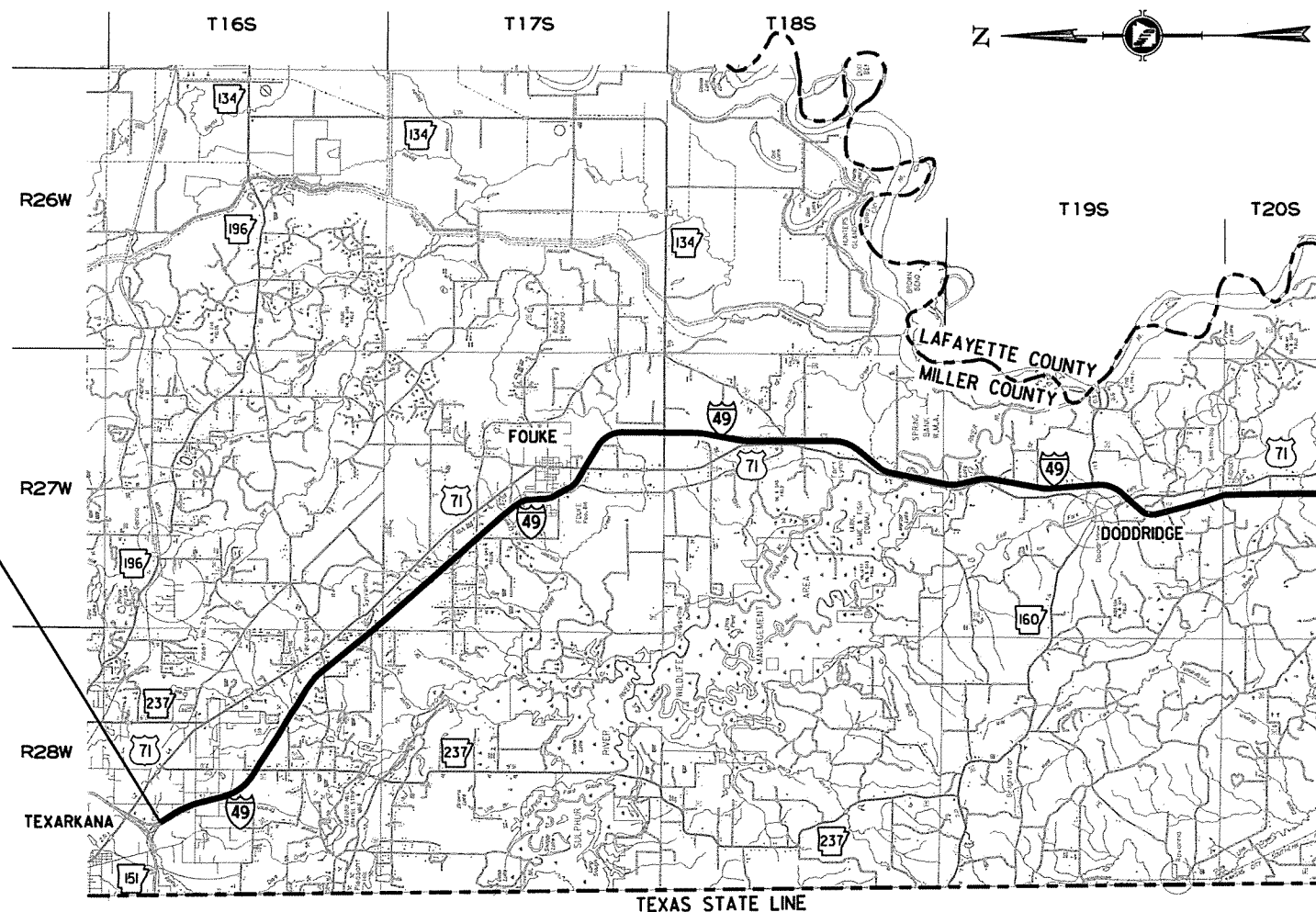
• DESIGN TRAFFIC DATA •

DESIGN YEAR	-----	2034
2014 ADT	-----	6,200
2034 ADT	-----	8,400
2034 DHV	-----	924
TRUCKS	-----	26%
DESIGN SPEED	-----	70 MPH



VICINITY MAP

PROJECT
LOCATION



STA. 104+00.00
 BEGIN JOB 030435
 LOG MILE 0.01

EQUATIONS TO JOB 030435

STA. 1624+71.92 (BK.) - STA. 1624+15.20 (AHD.)

STA. 1630+46.90

END JOB 030435

LOG MILE 28.93

EXCEPTIONS TO JOB 030435

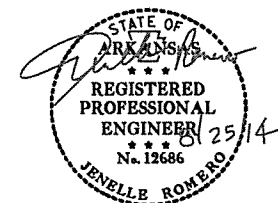
STA. 130+64	- STA. 140+82	1018'
STA. 324+16	- STA. 339+51	1535'
STA. 374+48	- STA. 382+53	805'
STA. 582+32	- STA. 593+90	1158'
STA. 601+60	- STA. 606+72	512'
STA. 640+85	- STA. 641+75	90'
STA. 713+73	- STA. 718+53	480'
STA. 816+70	- STA. 817+60	90'
STA. 874+24	- STA. 879+09	485'
STA. 931+57	- STA. 936+57	500'
STA. 983+67	- STA. 990+61	694'
STA. 1027+18	- STA. 1034+14	696'
STA. 1223+20	- STA. 1224+10	90'
STA. 1411+50	- STA. 1412+50	100'
STA. 1427+23	- STA. 1434+04	681'
STA. 1563+55	- STA. 1564+45	90'
STA. 1584+38	- STA. 1591+44	706'

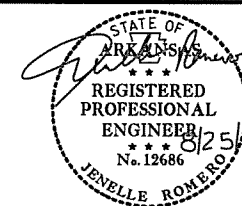
TOTAL EXCEPTIONS = 9730'

BEGINNING OF PROJECT	MID-POINT OF PROJECT	END OF PROJECT
LAT. = N 33°01'10.6"	LAT. = N 33°13'02.8"	LAT. = N 33°23'01.0"
LONG. = W 93°54'03.4"	LONG. = W 93°52'24.8"	LONG. = W 94°00'57.3"

GROSS LENGTH OF PROJECT	FEET OR	MILES
NET ROADWAY	152703.62	28.921
NET BRIDGES	142973.62	27.078
NET PROJECT	0.00	0.000
	142973.62	27.078

P.E. 030435
NON-PART.





DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
				6	ARK.				
							JOB NO. 030435	2	71

INDEX, GOV. SPECS., AND GENERAL NOTES

SHEET NO.	INDEX OF SHEETS TITLE	DRWG. NO.	DATE
1	TITLE SHEET		
2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES		
3	TYPICAL SECTIONS OF IMPROVEMENT		
4 - 5	SPECIAL DETAILS		
6 - 31	TEMPORARY EROSION CONTROL DETAILS		
32 - 37	MAINTENANCE OF TRAFFIC		
38 - 39	QUANTITIES		
40	SUMMARY OF QUANTITIES AND REVISIONS		
41 - 66	PLAN SHEETS		
67	CONCRETE DITCH PAVING	CDP-1	11-17-10
68	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-1	12-15-11
69	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-2	9-12-13
70	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-3	10-15-09
71	TEMPORARY EROSION CONTROL DEVICES	TEC-1	12-15-11

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT-EQUAL EMPLOYMENT OPPORTUNITY-NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT-SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT-EQUAL EMPLOYMENT OPPORTUNITY-GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT-EQUAL EMPLOYMENT OPPORTUNITY-FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT-POSTERS AND NOTICES REQUIRED FOR FEDERAL AID PROJECTS
FHWA-1273	SUPPLEMENT-WAGE RATE DETERMINATION
108-1	LIQUIDATED DAMAGES
620-1	MULCH COVER
JOB 030435	CONCRETE DITCH PAVING
JOB 030435	COORDINATION OF WORK
JOB 030435	FLEXIBLE BEGINNING OF WORK
JOB 030435	FURNISH AND OPERATION OF MOBILE SPEED NOTIFICATION SYSTEM
JOB 030435	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 030435	MAINTENANCE OF TRAFFIC
JOB 030435	MANDATORY USE OF INTERNET BIDDING
JOB 030435	PARTNERING REQUIREMENTS
JOB 030435	SEQUENCE OF CONSTRUCTION
JOB 030435	SITE USE (A+C METHOD)
JOB 030435	STORM WATER POLLUTION PREVENTION PLAN
JOB 030435	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 030435	UTILITY ADJUSTMENTS
JOB 030435	VALUE ENGINEERING
JOB 030435	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS
JOB 030435	WIRE ROPE SAFETY FENCE (WRSF) SPECIFICATIONS
JOB 030435	WIRE ROPE SAFETY FENCE (POST REPAIR)
JOB 030435	WRSF TRAINING WORKSHOP

GENERAL NOTES

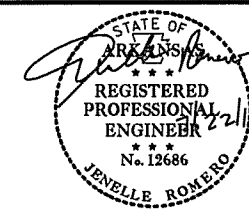
- ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO.210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- WASTE MATERIAL SHALL BE DISPOSED OF AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND INCORPORATING THE EXISTING UNDERDRAIN OUTLETS AS NEEDED TO THE CONCRETE DITCH PAVING. THIS WORK IS SUBSIDIARY TO OTHER CONTRACT ITEMS.

INDEX OF SHEETS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES

8/27/2014

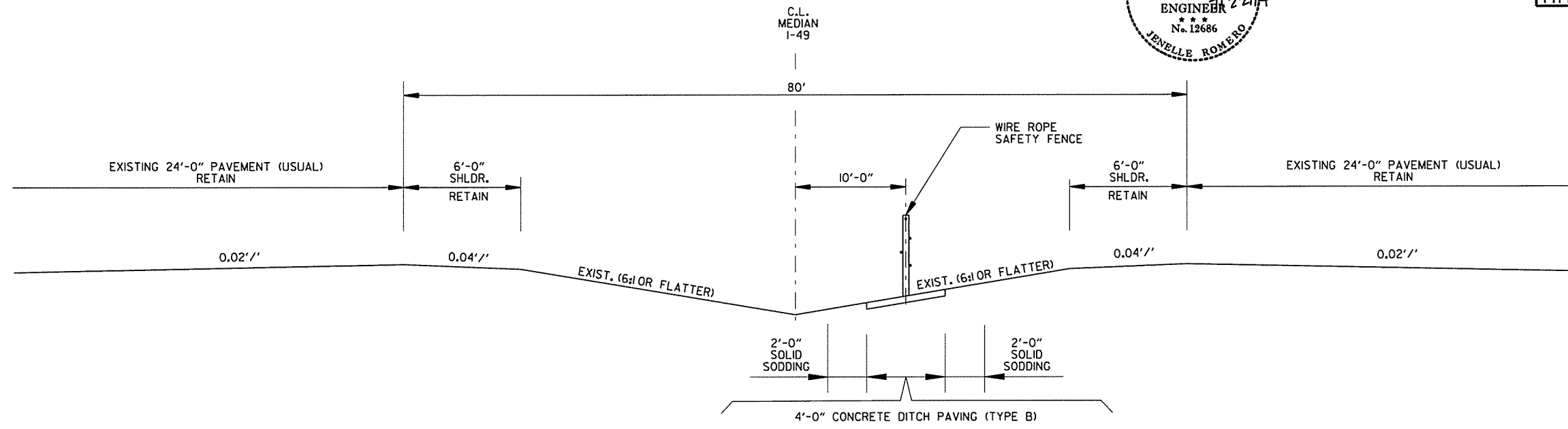
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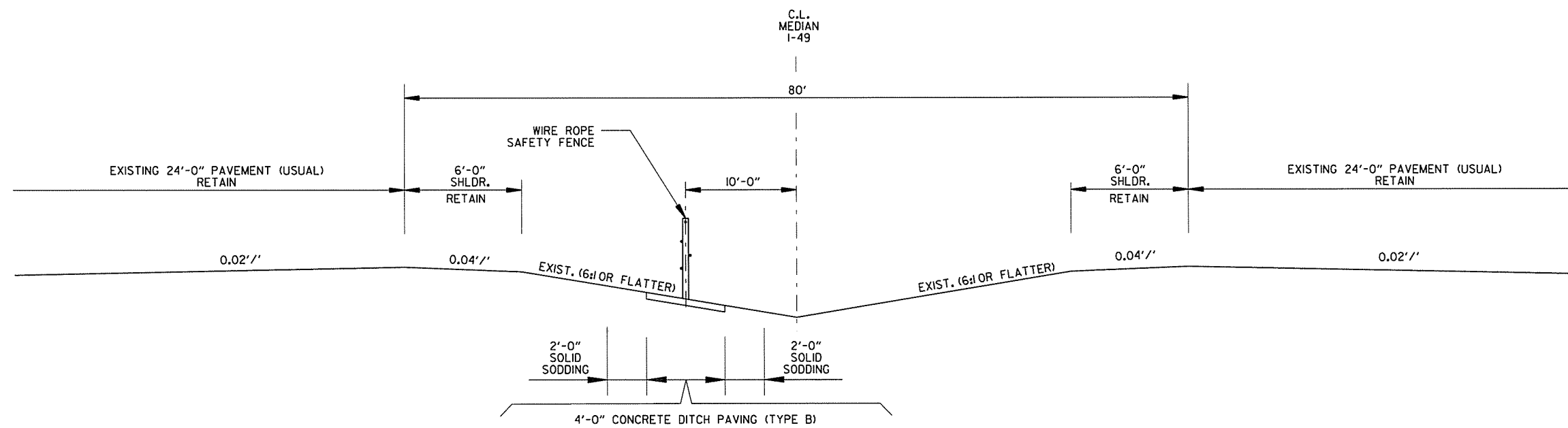
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	030435		3	71

TYPICAL SECTIONS OF IMPROVEMENT



**PROPOSED TYPICAL SECTION
WRSF 10' RT. OFFSET FROM BOTTOM OF DITCH**

STA. 104+00.00 TO STA. 640+85.00
 STA. 718+53.00 TO STA. 816+70.00
 STA. 879+09.00 TO STA. 1223+20.00
 STA. 1434+04.00 TO STA. 1563+55.00

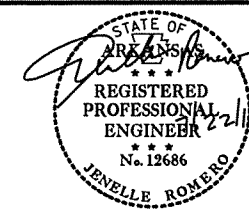


**PROPOSED TYPICAL SECTION
WRSF 10' LT. OFFSET FROM BOTTOM OF DITCH**

STA. 641+75.00 TO STA. 713+73.00
 STA. 817+60.00 TO STA. 874+24.00
 STA. 1224+10.00 TO STA. 1427+23.00
 STA. 1564+45.00 TO STA. 1630+46.90

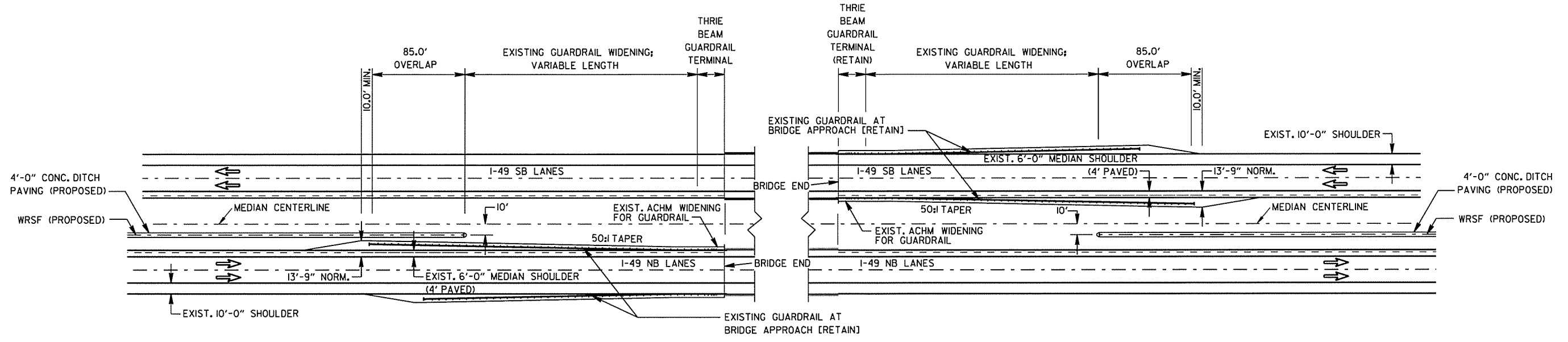
TYPICAL SECTIONS OF IMPROVEMENT

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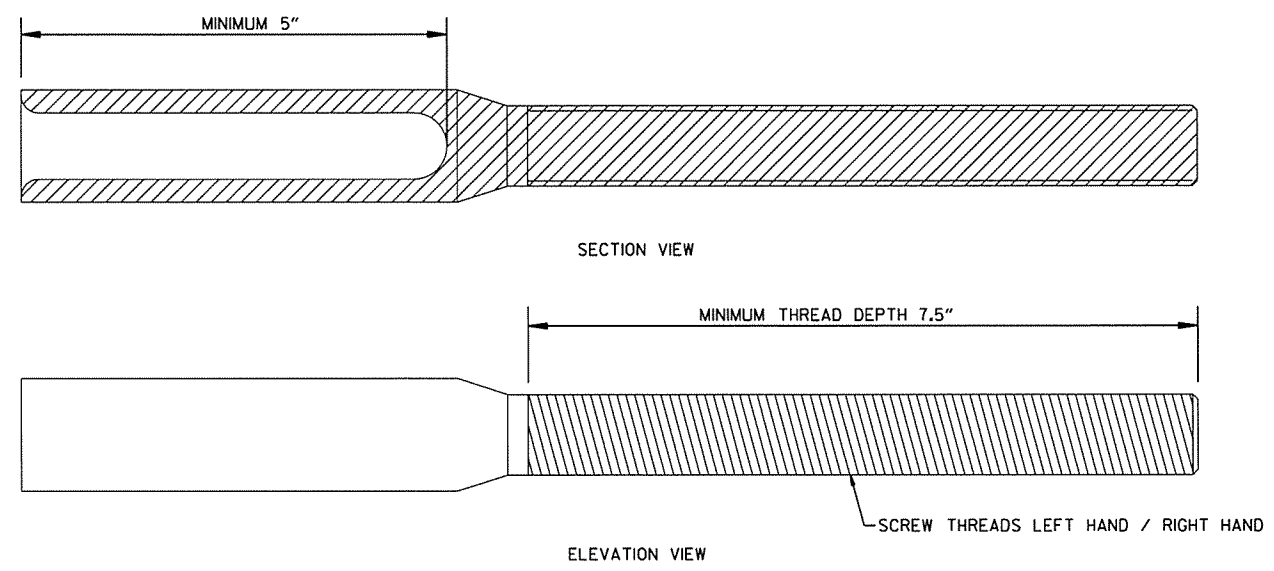


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				6	ARK.				
							JOB NO. 030435	4	71

SPECIAL DETAILS



DETAIL OF WIRE ROPE SAFETY FENCE AT EXISTING BRIDGE ENDS WRSF IN CL MEDIAN

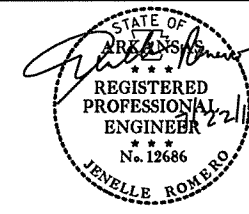


NOTE:
REFER TO "WIRE ROPE SAFETY FENCE (WRSF) SPECIFICATIONS" SPECIAL PROVISION FOR ADDITIONAL REQUIREMENTS.

THREADED TERMINAL DETAIL

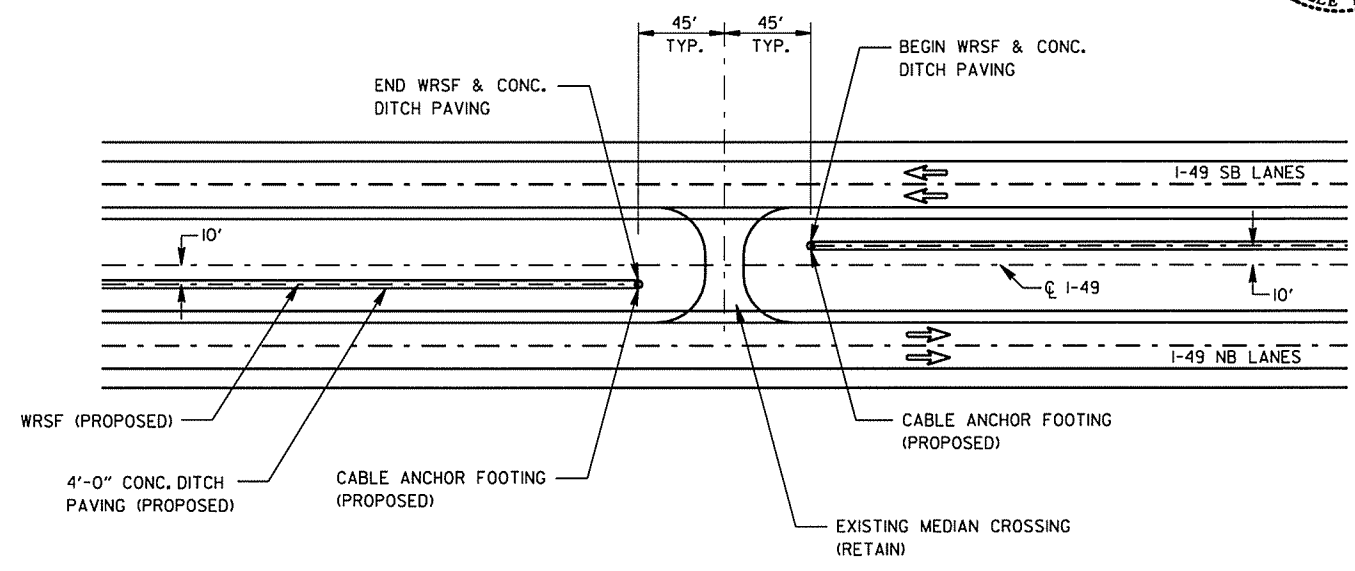
SPECIAL DETAILS

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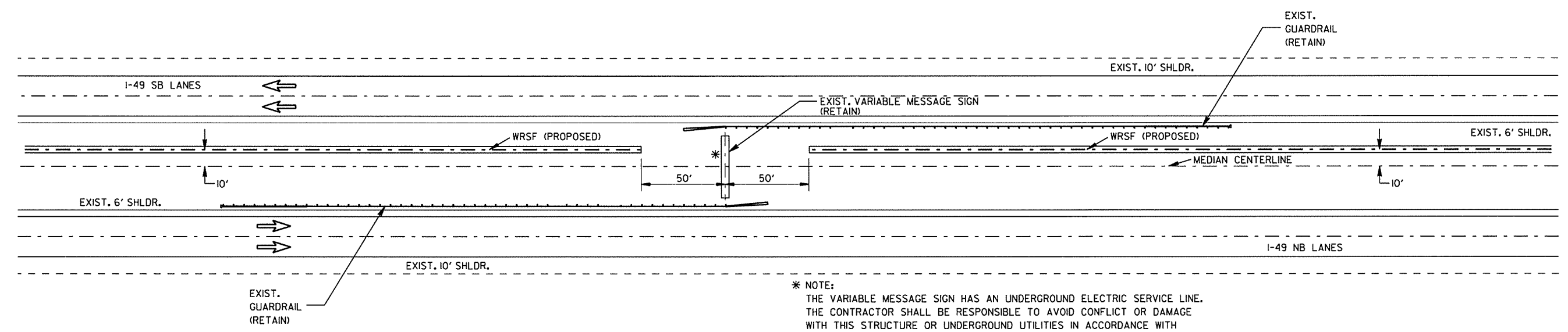


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				6	ARK.			
				JOB NO.		030435	5	71

SPECIAL DETAILS



DETAIL AT MEDIAN CROSSING
WRSF IN CL MEDIAN



* NOTE:
THE VARIABLE MESSAGE SIGN HAS AN UNDERGROUND ELECTRIC SERVICE LINE. THE CONTRACTOR SHALL BE RESPONSIBLE TO AVOID CONFLICT OR DAMAGE WITH THIS STRUCTURE OR UNDERGROUND UTILITIES IN ACCORDANCE WITH SUBSECTIONS 105.07 AND 107.12 OF THE STANDARD SPECIFICATIONS.

WIRE ROPE SAFETY FENCE
AT VARIABLE MESSAGE SIGN
APPROXIMATE STATION 1412+00

SPECIAL DETAILS

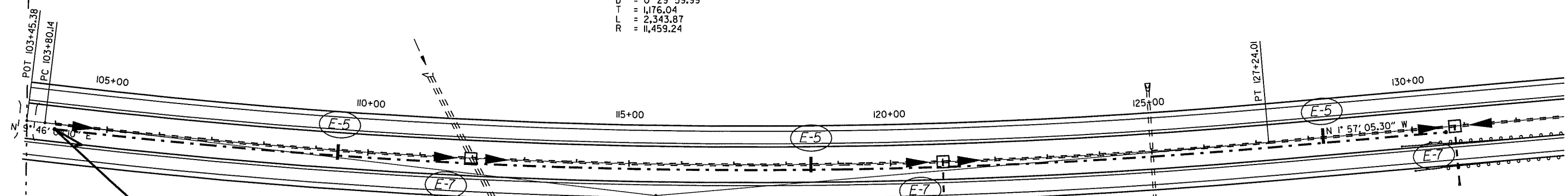
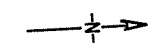
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				6	ARK.			
JOB NO. 030435							6	71

TEMPORARY EROSION CONTROL DETAILS

P.I. = 115+56.18
 Δ = 11° 43' 09.40" (LT)
 D = 0° 29' 59.99"
 T = 1,176.04
 L = 2,343.87
 R = 11,459.24



STA. 104+00.00
BEGIN JOB 030435
BEGIN WRSF
10' RT. OF CL MEDIAN
LOG MILE 0.01

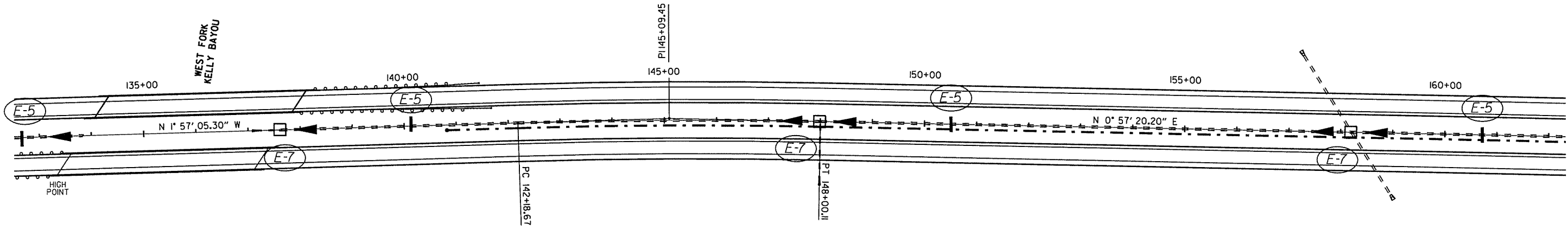
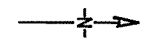
LEGEND

SAND BAG DITCH CHECK: **E-5** (vertical bar)

DROP INLET SILT FENCE: **E-7** (square)

REVISIONS	
DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE



P.I. = 145+09.45
 Δ = 2° 54' 25.50" (RT)
 D = 0° 29' 59.93"
 T = 290.78
 L = 581.44
 R = 11,459.57

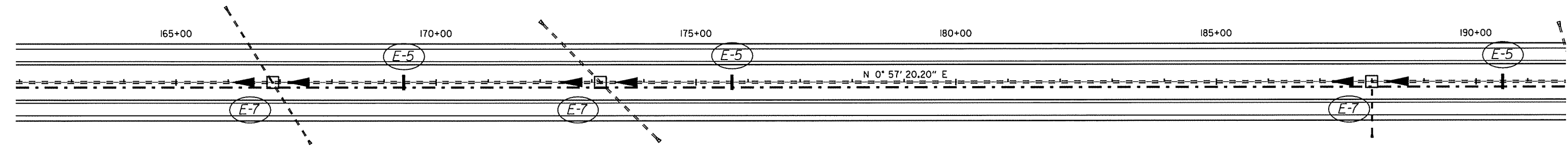
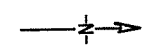
TEMPORARY EROSION CONTROL DETAILS
 STA. 103+45.38 - STA. 162+00

CADDO PARISH LOUISIANA
 MILLER COUNTY ARKANSAS

7/27/2014 10:27:09 AM P:\00038109\CADD\GETSHEETS\HWY 549\HWY549 EC-1.dgn

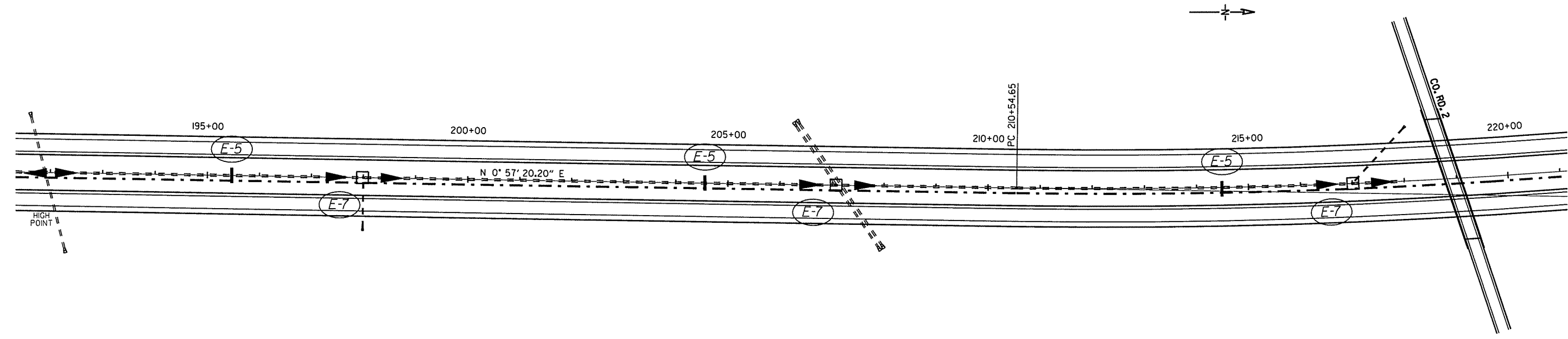


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				6	ARK.		7	71
JOB NO. 030435							TEMPORARY EROSION CONTROL DETAILS	



LEGEND		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE



TEMPORARY EROSION CONTROL DETAILS
STA. 162+00 - STA. 221+00

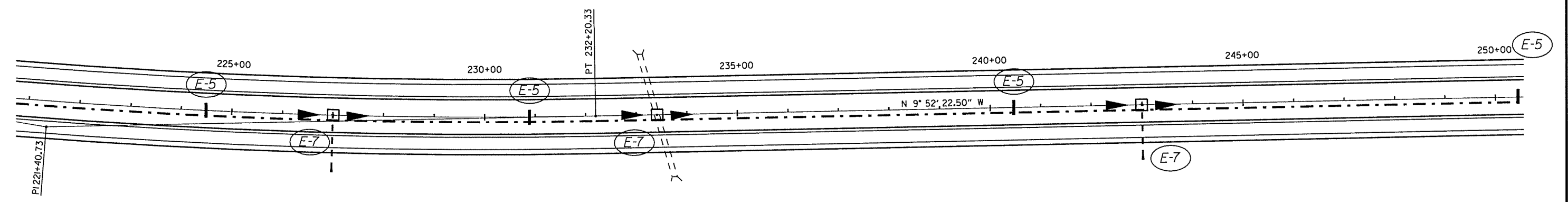
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				6	ARK.		8	71
				JOB NO.	030435			

TEMPORARY EROSION CONTROL DETAILS

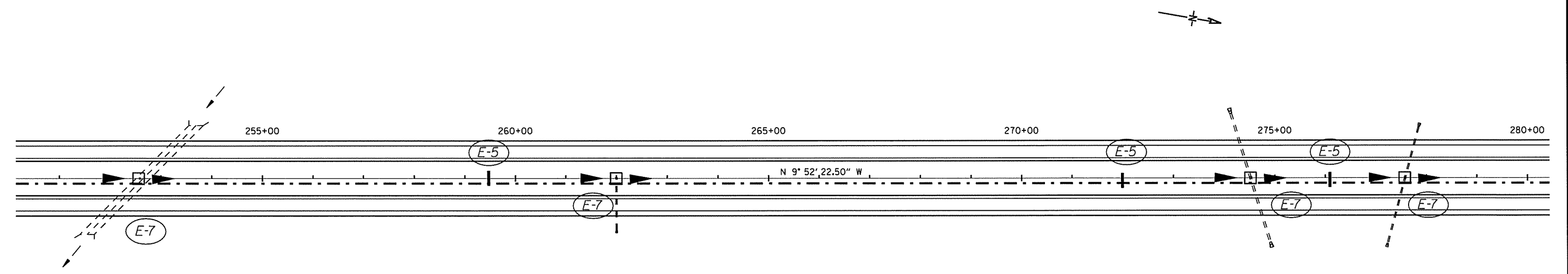
P.I. = 221+40.73
 Δ = 10° 49' 42.70" (LT)
D = 0° 30' 00.02"
T = 1,086.08
L = 2,165.68
R = 11,459.04



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



TEMPORARY EROSION CONTROL DETAILS
STA. 221+00 - STA. 280+00

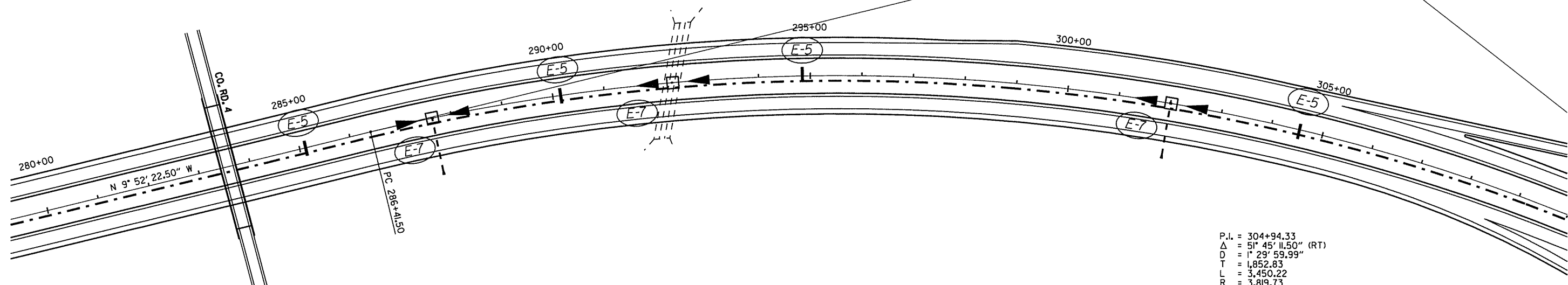
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.		9	71
JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS

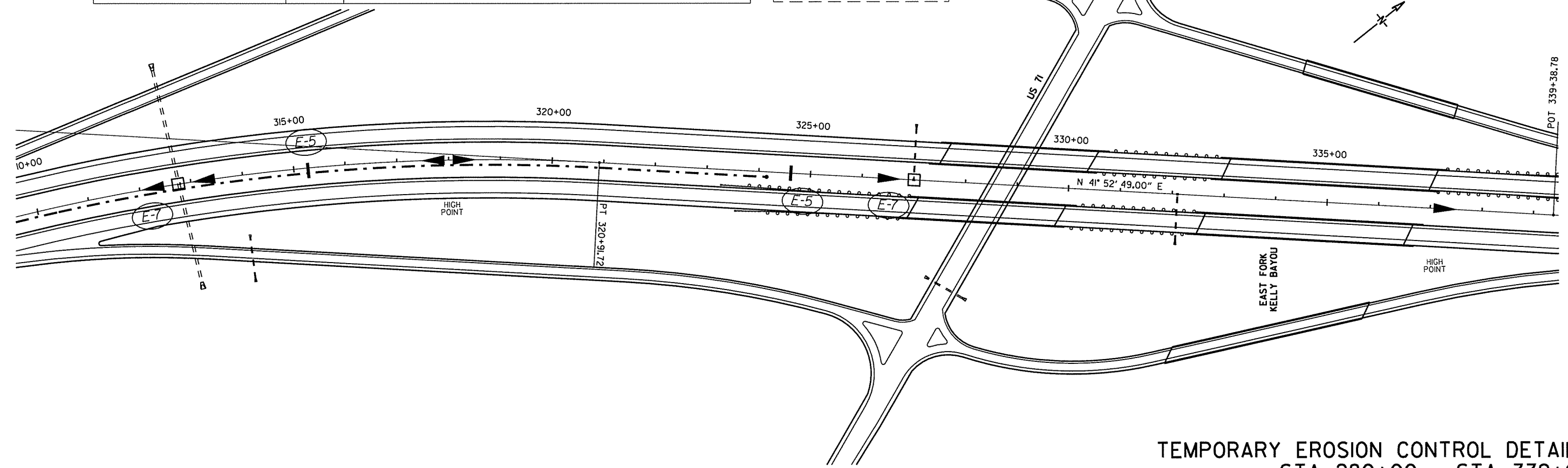


P.I. = 304+94.33
 Δ = 51° 45' 11.50" (RT)
D = 1' 29' 59.99"
T = 1,852.83
L = 3,450.22
R = 3,819.73

REVISIONS		DATE OF REVISION	REVISION
	SAND BAG DITCH CHECK		
	DROP INLET SILT FENCE		

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



TEMPORARY EROSION CONTROL DETAILS
STA. 280+00 - STA. 339+00

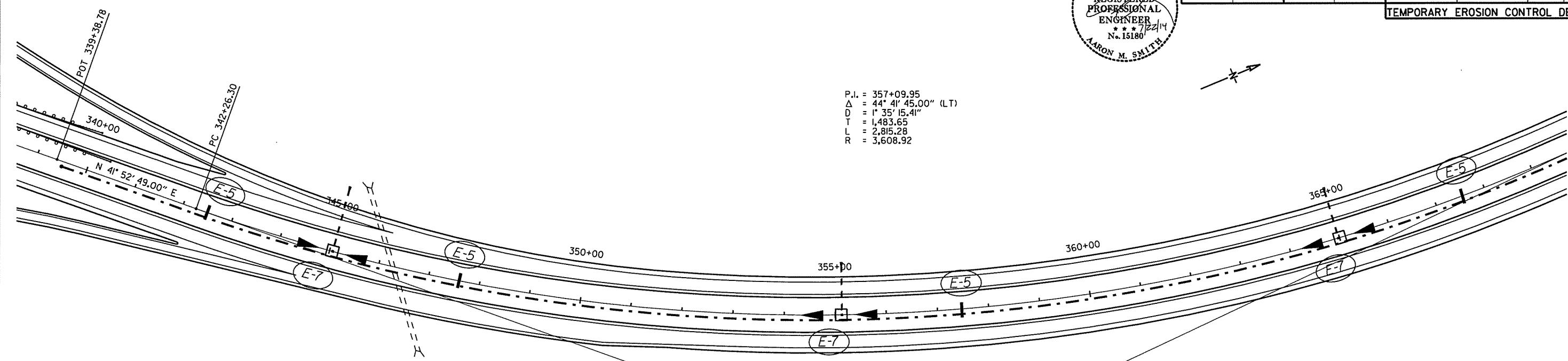
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				6	ARK.		10	71
				JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS

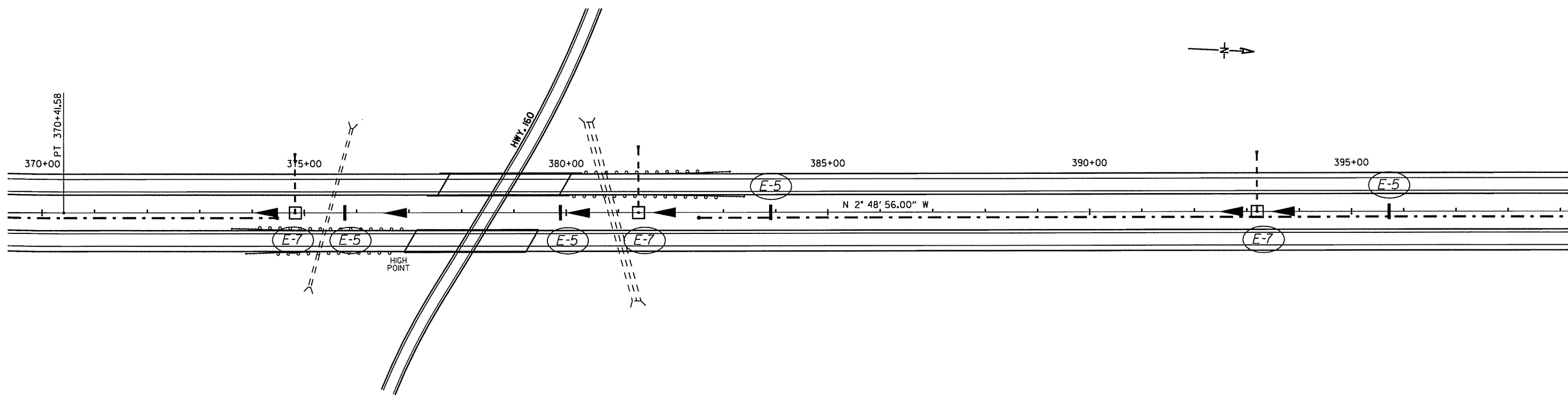
P.I. = 357+09.95
 Δ = 44° 41' 45.00" (LT)
 D = 1' 35' 15.41"
 T = 1,483.65
 L = 2,815.28
 R = 3,608.92



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



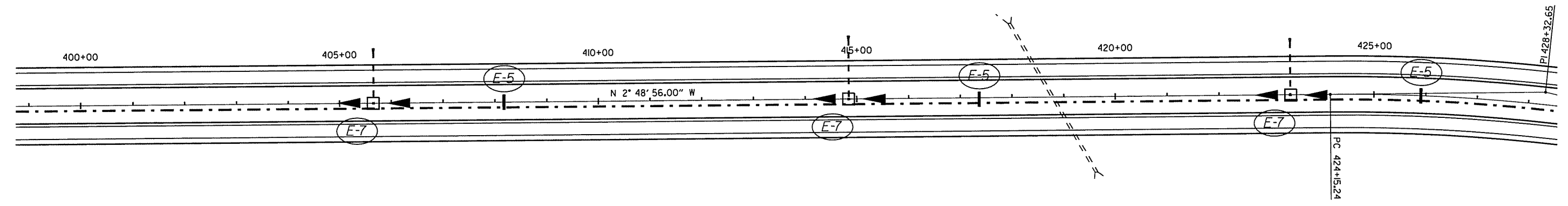
TEMPORARY EROSION CONTROL DETAILS
 STA. 339+00 - STA. 399+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	030435		II	71

TEMPORARY EROSION CONTROL DETAILS

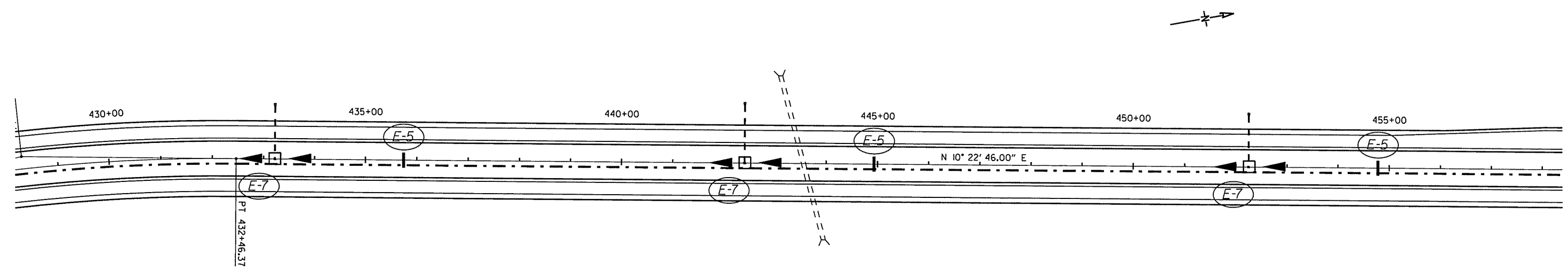


P.I. = 428+32.65
 Δ = 13° 11' 42.00" (RT)
D = 1° 35' 15.41"
T = 417.41
L = 831.12
R = 3,608.93

		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



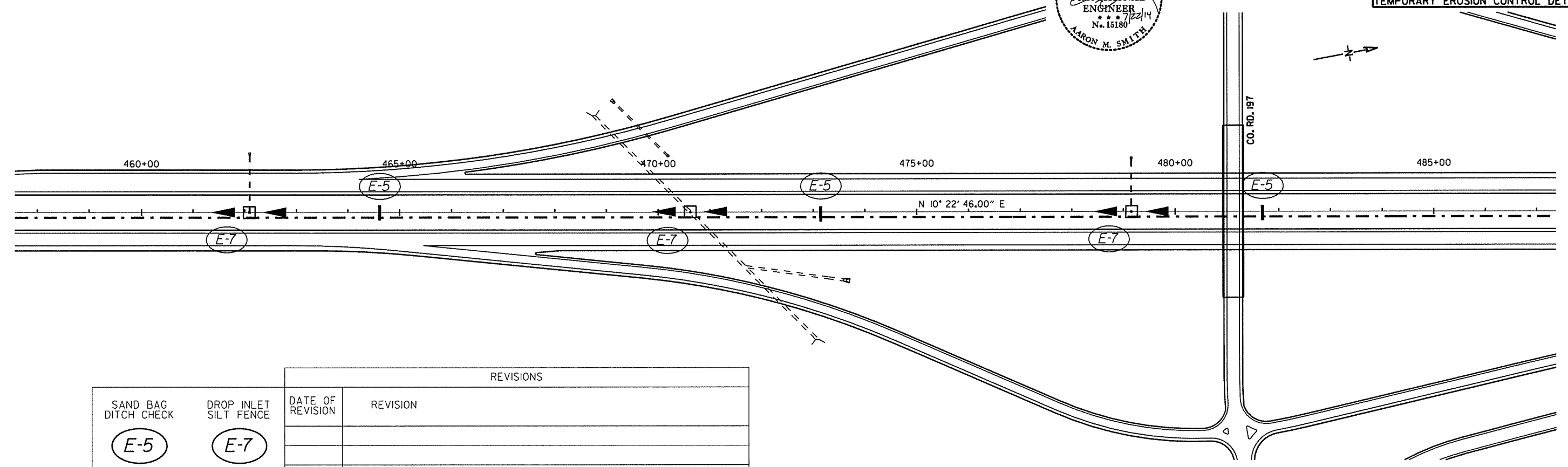
TEMPORARY EROSION CONTROL DETAILS
 STA. 399+00 - STA. 458+00

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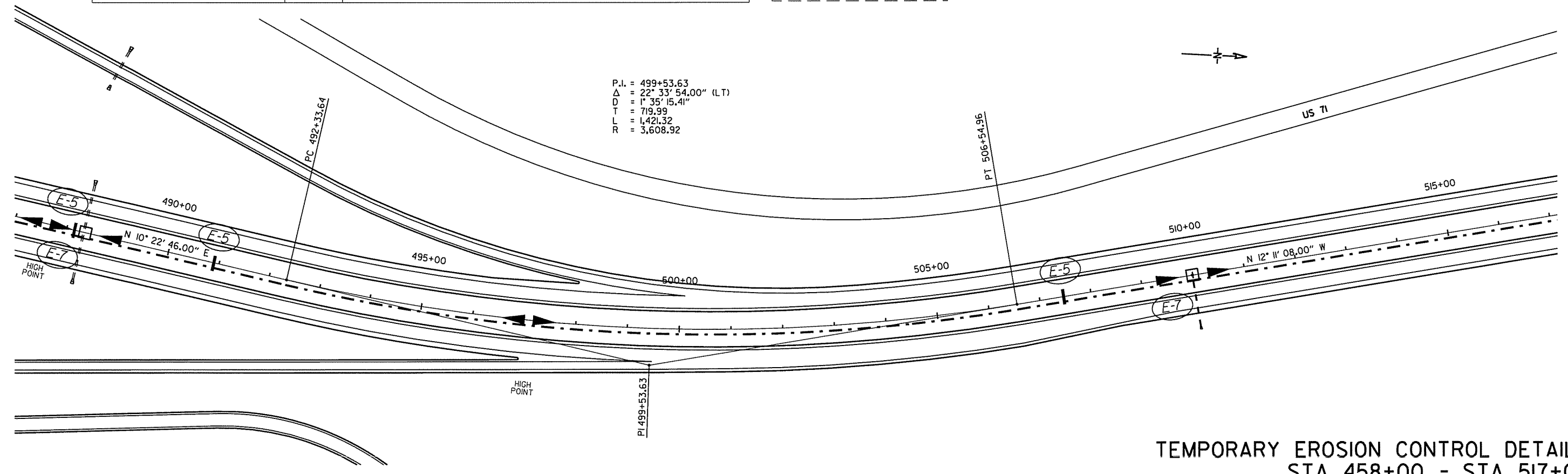
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		12	71
				JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS



LEGEND		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION
(E-5)	(E-7)		
	□		

INDICATES DIRECTION OF MEDIAN DRAINAGE



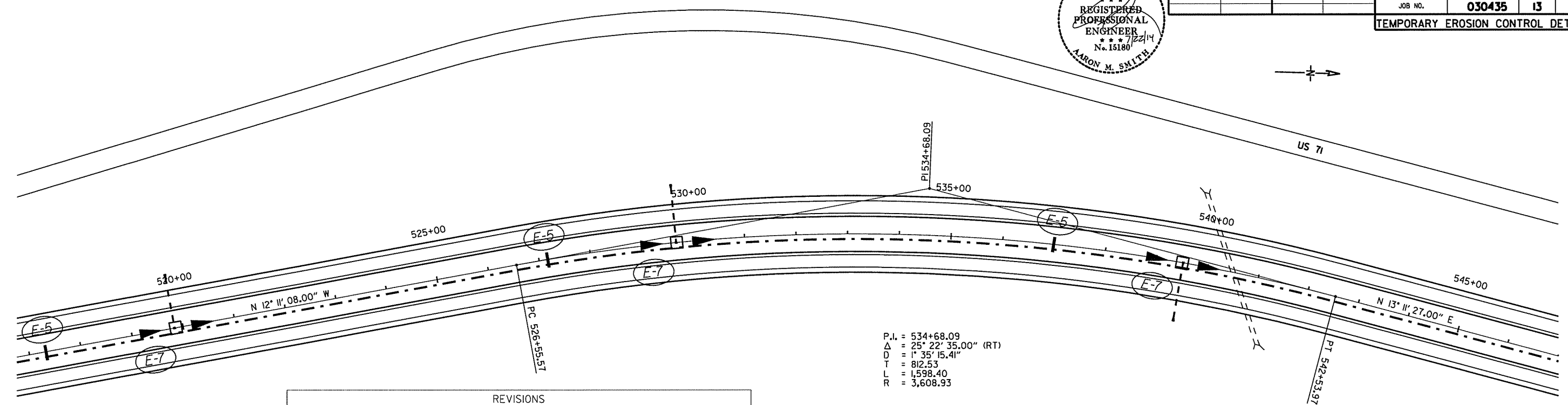
TEMPORARY EROSION CONTROL DETAILS
STA. 458+00 - STA. 517+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		13	71
				JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS



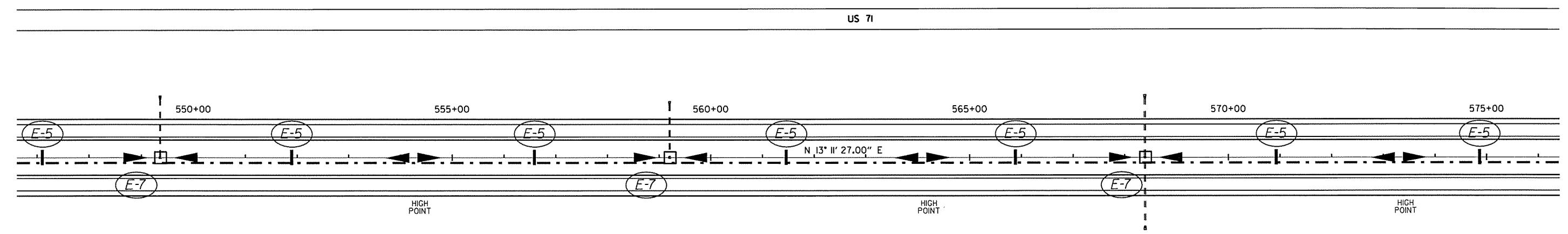
		REVISIONS	
DATE OF REVISION	REVISION	DATE OF REVISION	REVISION

LEGEND

SAND BAG DITCH CHECK (E-5)

DROP INLET SILT FENCE (E-7)

INDICATES DIRECTION OF MEDIAN DRAINAGE



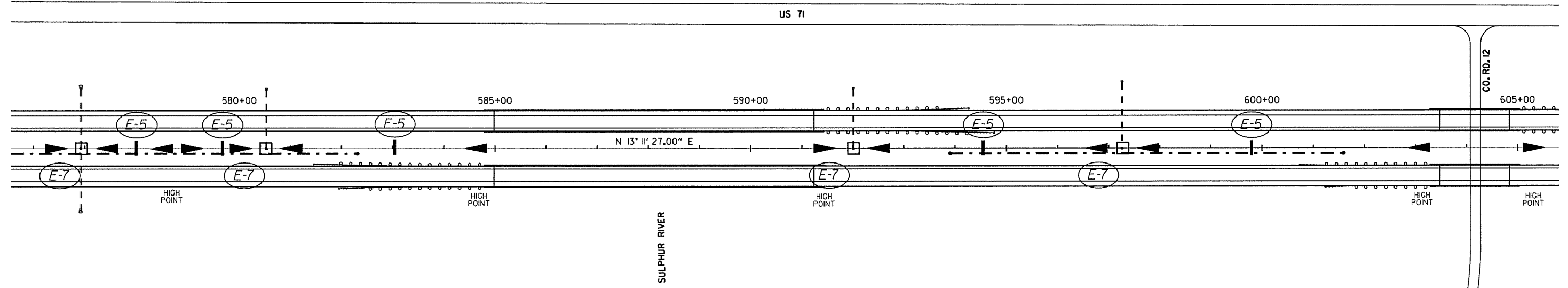
TEMPORARY EROSION CONTROL DETAILS
STA. 517+00 - STA. 576+00

7/21/2014 11:27:11 AM P:\10038109\CADD\SET SHEETS\HWY 549\HWY549_EC-8.dgn



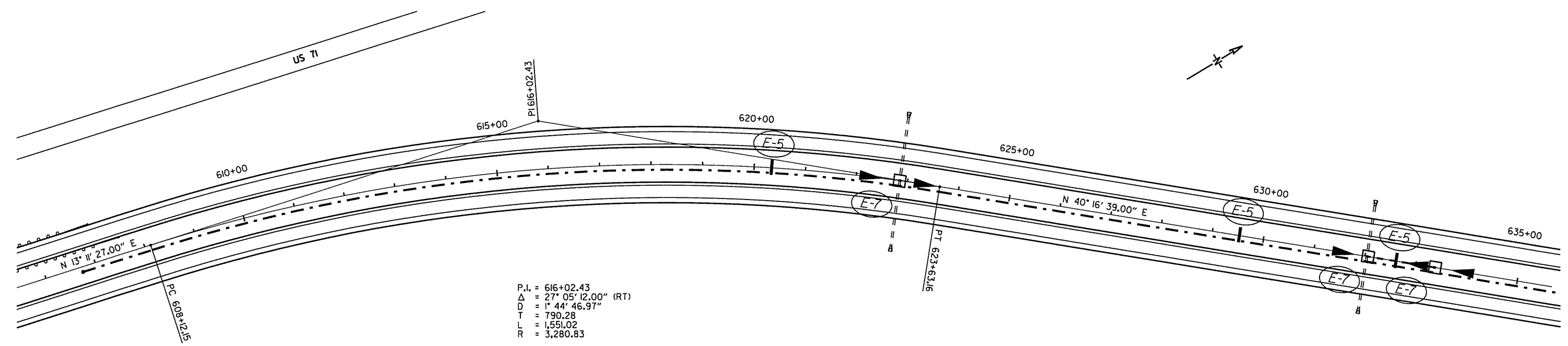
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		14	71
				JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS



REVISIONS		DATE OF REVISION	REVISION
	SAND BAG DITCH CHECK		
	DROP INLET SILT FENCE		
	LEGEND		

INDICATES DIRECTION OF MEDIAN DRAINAGE



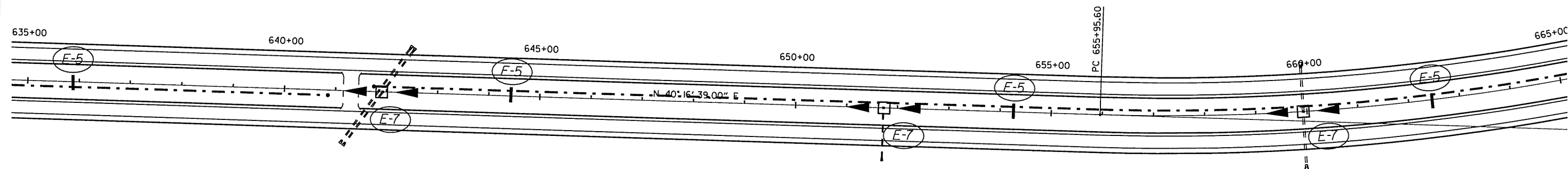
TEMPORARY EROSION CONTROL DETAILS
STA. 576+00 - STA. 635+00

7/21/2014 11:27:42 AM P:\N0003809\CADD\GEI SHEETS\HWY - 549\NHWY549 - EC-3.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		15	71
				JOB NO.		030435		

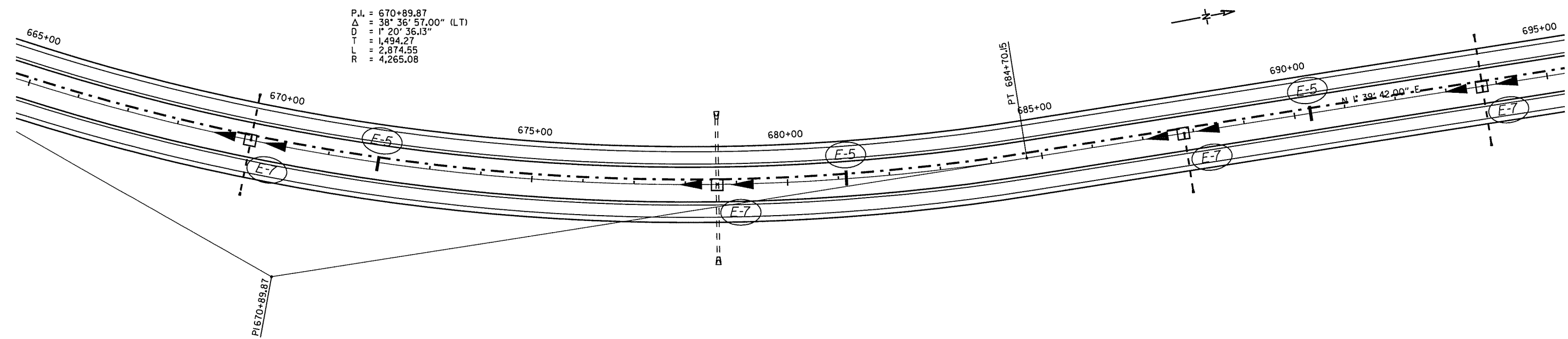
TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION
(E-5)	(E-7)		
█	□		
LEGEND			

INDICATES DIRECTION OF MEDIAN DRAINAGE

P.I. = 670+89.87
 Δ = 38° 36' 57.00" (LT)
 D = 1° 20' 36.13"
 T = 1,494.27
 L = 2,874.55
 R = 4,265.08



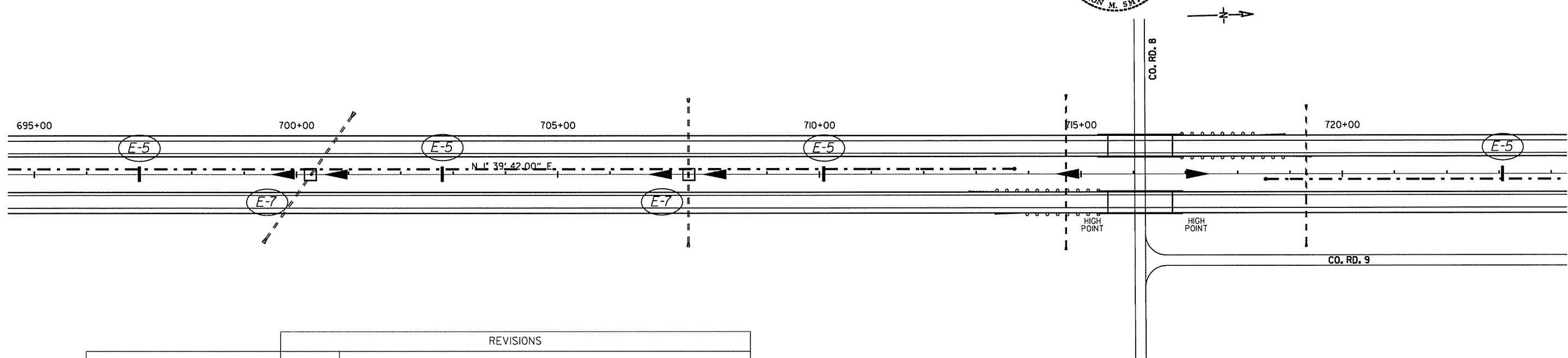
TEMPORARY EROSION CONTROL DETAILS
 STA. 635+00 - STA. 695+00

7/21/2014 11:27:12 AM P:\100038109\CADD\GEI\SHEETS\HWY - 549\HWY549 - EC-10.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		16	71
				JOB NO.		030435		

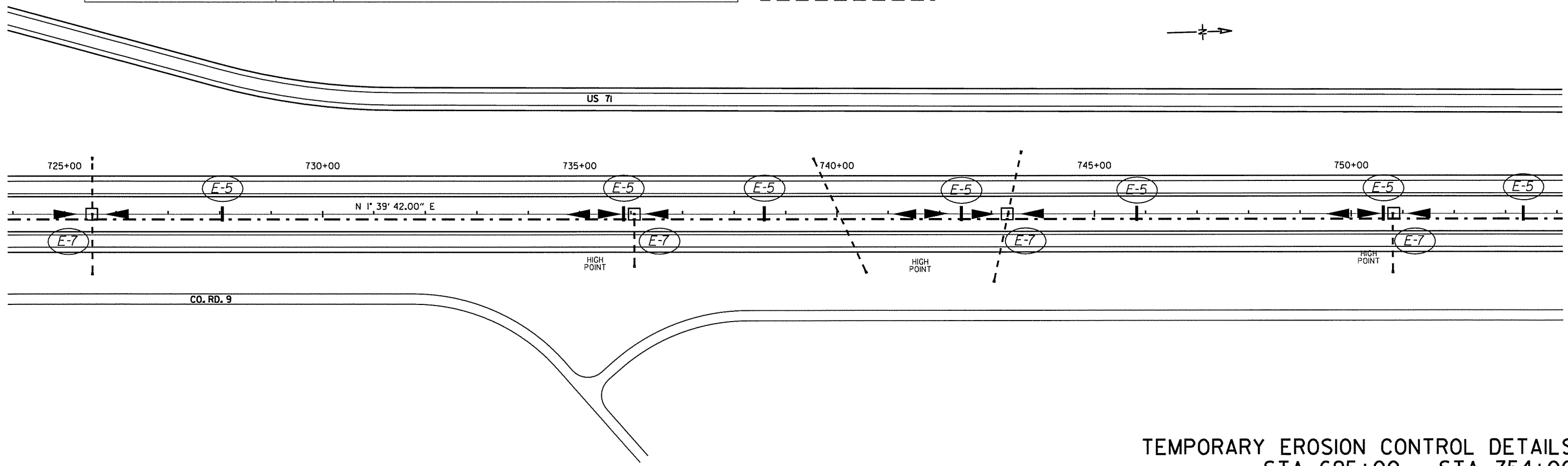
TEMPORARY EROSION CONTROL DETAILS



REVISIONS		DATE OF REVISION	REVISION
SAND BAG DITCH CHECK	DROP INLET SILT FENCE		
(E-5)	(E-7)		
█	□		

LEGEND

▶ INDICATES DIRECTION OF MEDIAN DRAINAGE



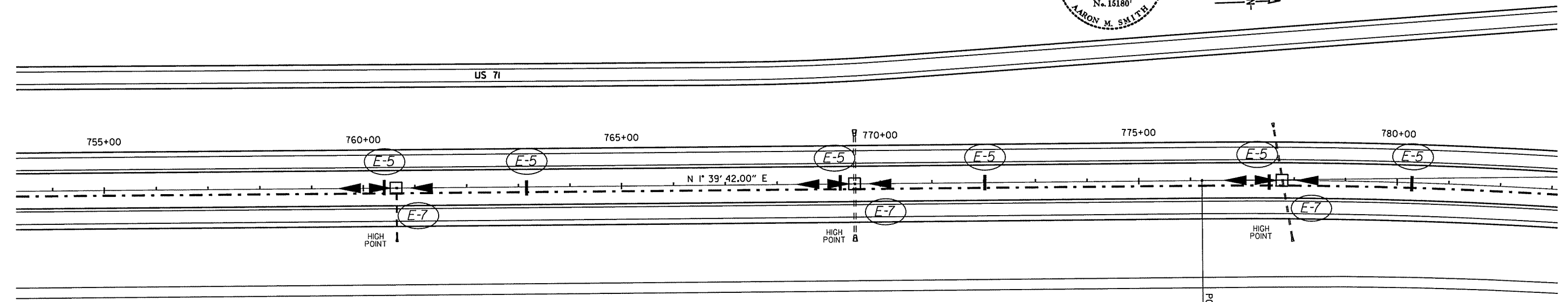
TEMPORARY EROSION CONTROL DETAILS
STA. 695+00 - STA. 754+00

7/21/2014 11:27:12 AM P:\100038109\CADD\GET SHEETS\HWY 549\HWY549_EC-11.dgn



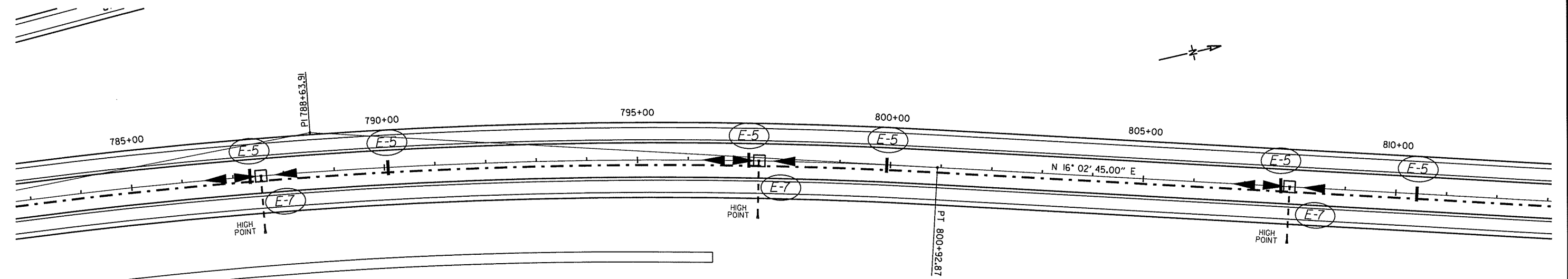
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							17	71

TEMPORARY EROSION CONTROL DETAILS



LEGEND		REVISIONS	
SAND BAG DITCH CHECK 	DROP INLET SILT FENCE 	DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE



P.I. = 788+63.91
 Δ = 14° 23' 03.00" (RT)
 D = 0° 34' 55.65"
 T = 1,242.02
 L = 2,470.98
 R = 9,842.54

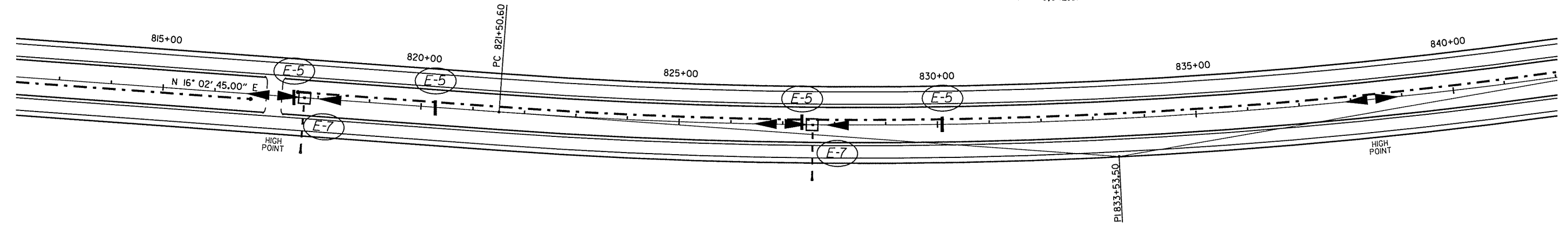
TEMPORARY EROSION CONTROL DETAILS
 STA. 754+00 - STA. 813+00

7/21/2014 10:27:13 AM P:\000038109\CADD\SET SHEETS\HWY 549\HWY549_EC-18.dgn



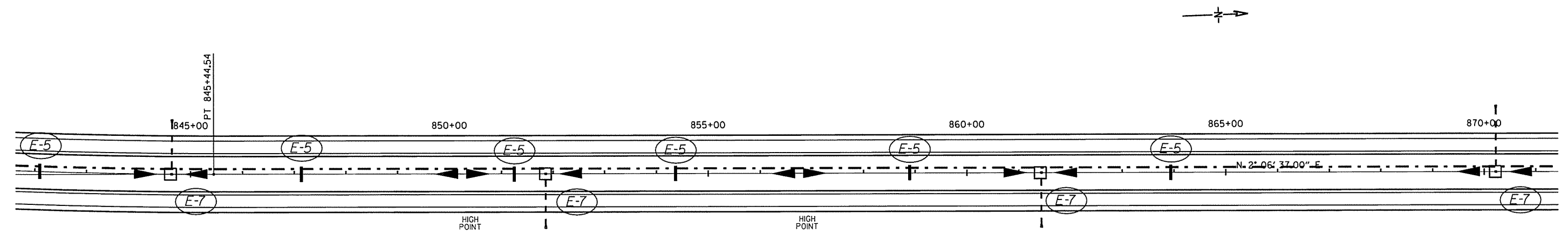
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	18	71
TEMPORARY EROSION CONTROL DETAILS								

P.I. = 833+53.50
 Δ = 13° 56' 08.00" (LT)
 D = 0° 34' 55.63"
 T = 1,202.90
 L = 2,393.93
 R = 9,842.61



		REVISIONS	
		DATE OF REVISION	REVISION
SAND BAG DITCH CHECK (E-5) 	DROP INLET SILT FENCE (E-7) □		

INDICATES DIRECTION OF MEDIAN DRAINAGE



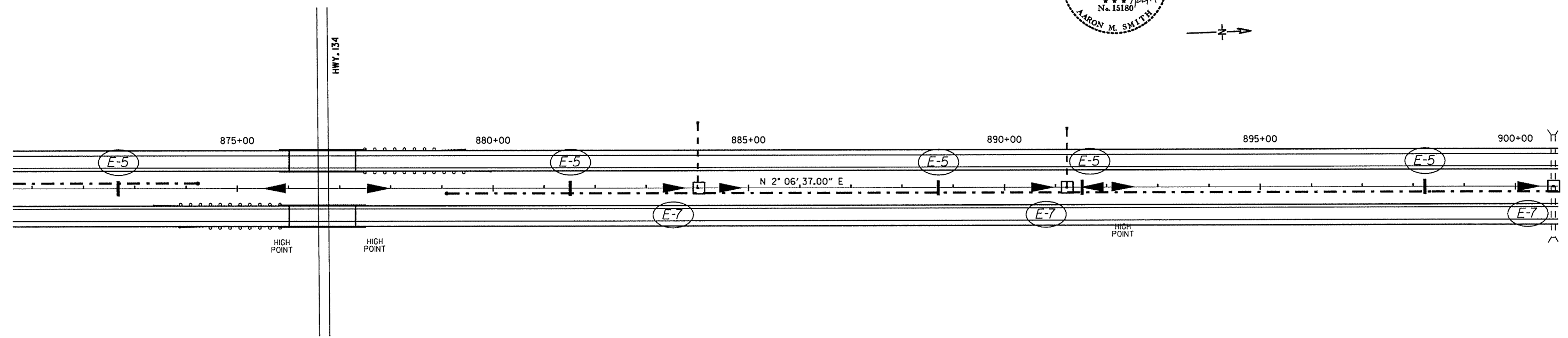
TEMPORARY EROSION CONTROL DETAILS
 STA. 813+00 - STA. 871+00

7/21/2014 11:27:43 AM P:\00038109\CADD\GEI\SHEETS\HWY 549\HWY549_EC-13.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		19	71
				JOB NO.		030435		

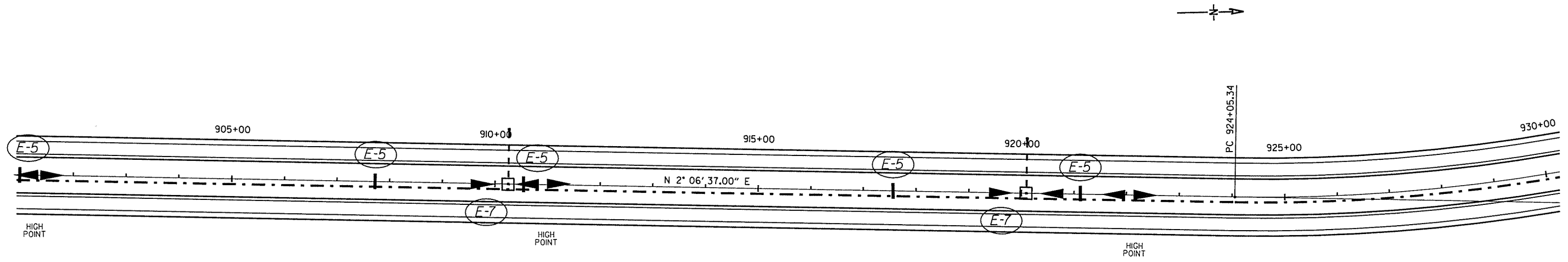
TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



TEMPORARY EROSION CONTROL DETAILS
STA. 871+00 - STA. 930+00

7/21/2014 11:27:13 AM P:\N00038109\CADD\SET SHEETS\HWY 549\HWY549_EC-14.dgn

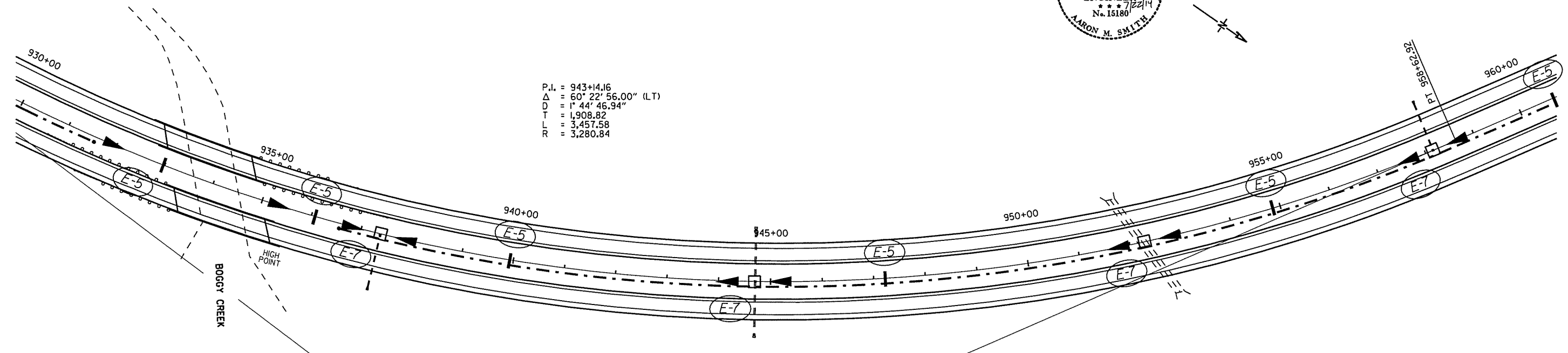


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.		20	71
JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS

P.I. = 943+14.16
 Δ = 60° 22' 56.00" (LT)
D = 1' 44' 46.94"
T = 1,908.82
L = 3,457.58
R = 3,280.84



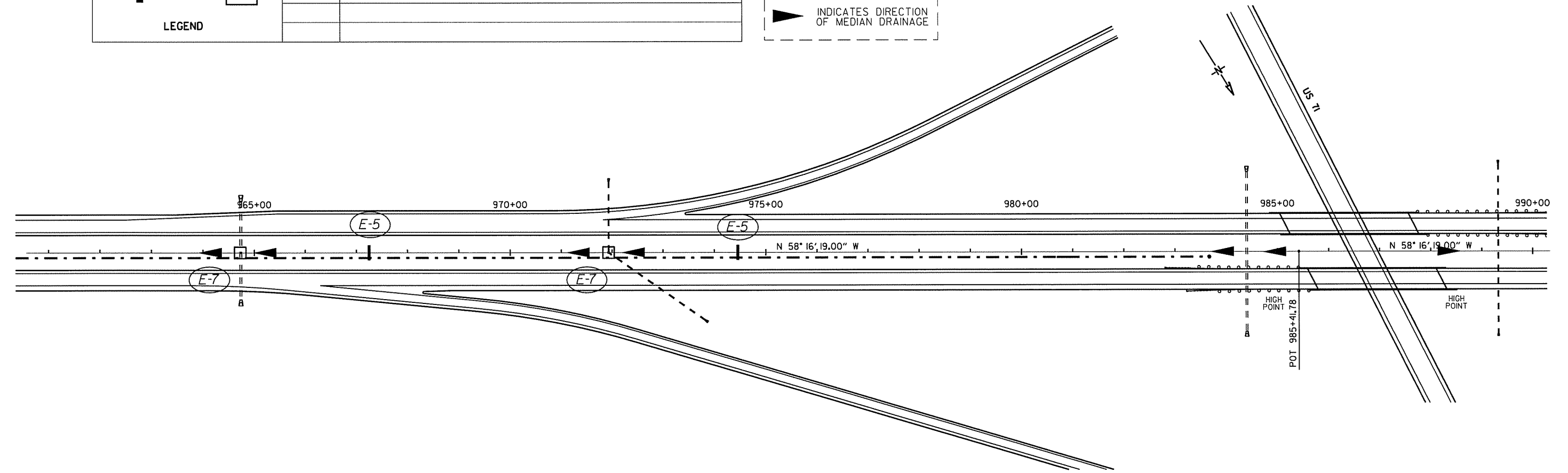
REVISIONS		DATE OF REVISION	REVISION

LEGEND

SAND BAG DITCH CHECK:

DROP INLET SILT FENCE:

INDICATES DIRECTION OF MEDIAN DRAINAGE



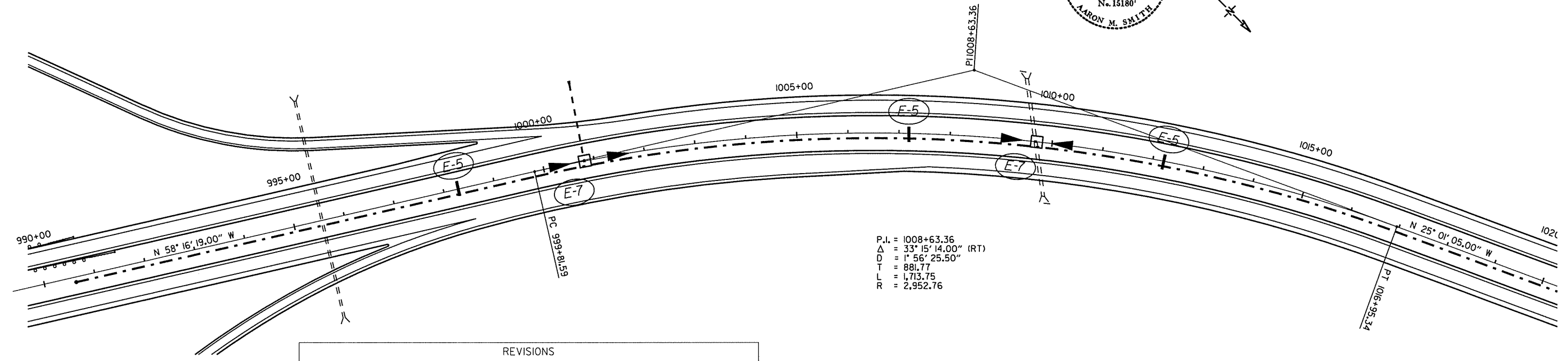
TEMPORARY EROSION CONTROL DETAILS
 STA. 930+00 - STA. 990+00

7/21/2014 10:27:14 AM P:\00038103\CADD\SET SHEETS\HWY 549\HWY549_EC-15.dgn



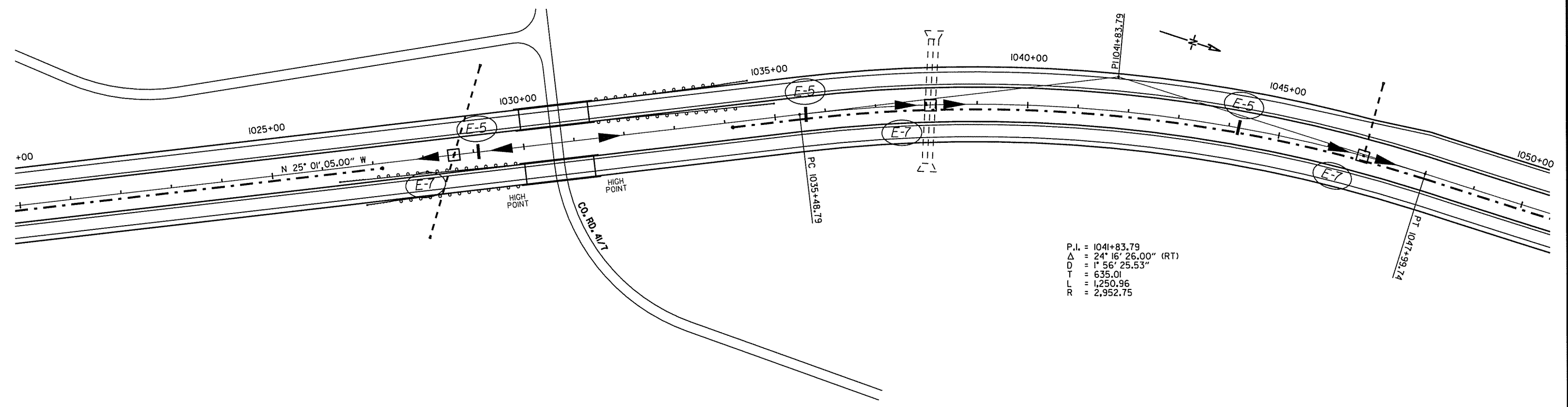
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	030435		21	71

TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE

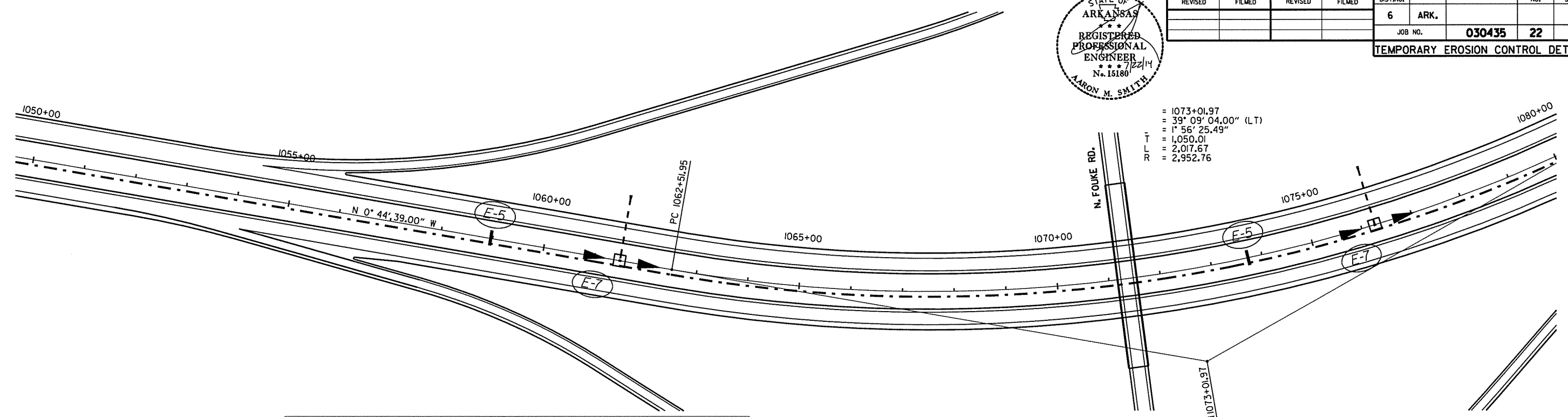


TEMPORARY EROSION CONTROL DETAILS
STA. 990+00 - STA. 1050+00

7/27/2014 11:27:14 AM P:\100038109\CADD\GET SHEETS\HWY 549\HWY549_EC-16.dgn

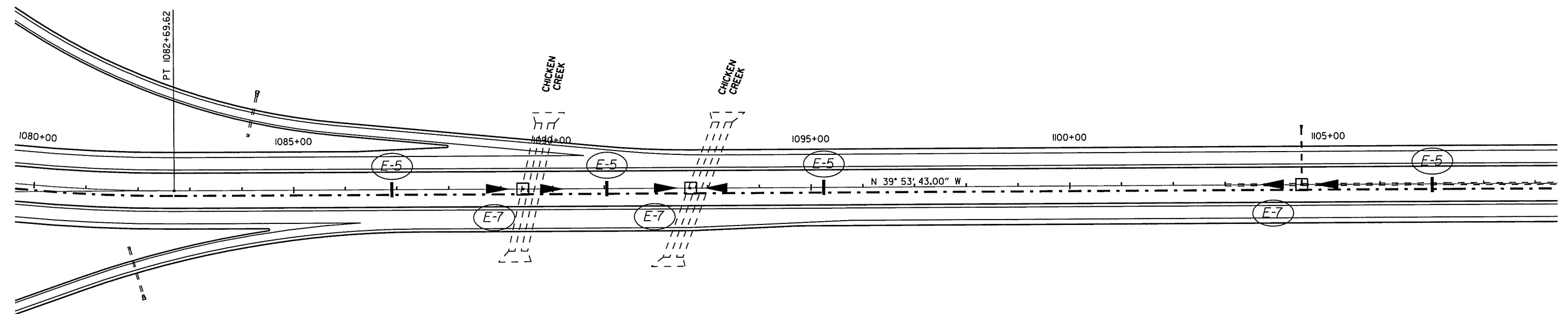


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO.	
							030435	22
							71	
TEMPORARY EROSION CONTROL DETAILS								



REVISIONS		DATE OF REVISION	REVISION
SAND BAG DITCH CHECK	DROP INLET SILT FENCE		
LEGEND			

INDICATES DIRECTION OF MEDIAN DRAINAGE



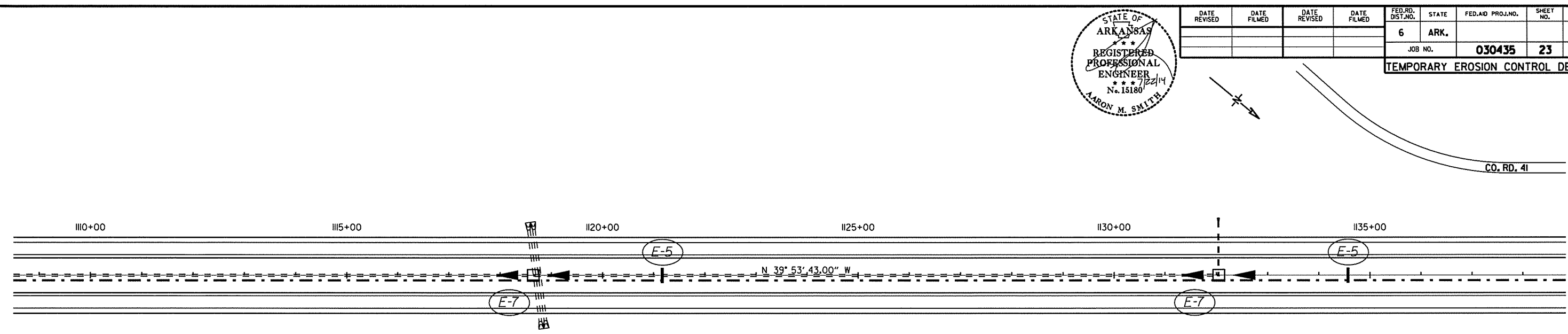
TEMPORARY EROSION CONTROL DETAILS
STA. 1050+00 - STA. 1109+00

7/27/2014 11:27:44 AM P:\100038109\CADD\GEI\SHEETS\HWY 549\HWY549_EC-17.dwg



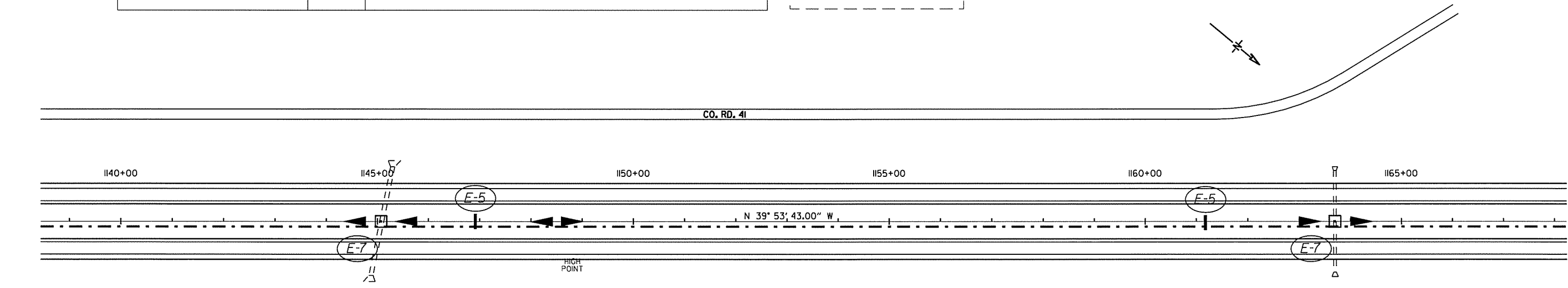
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	030435	23	71	

TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE



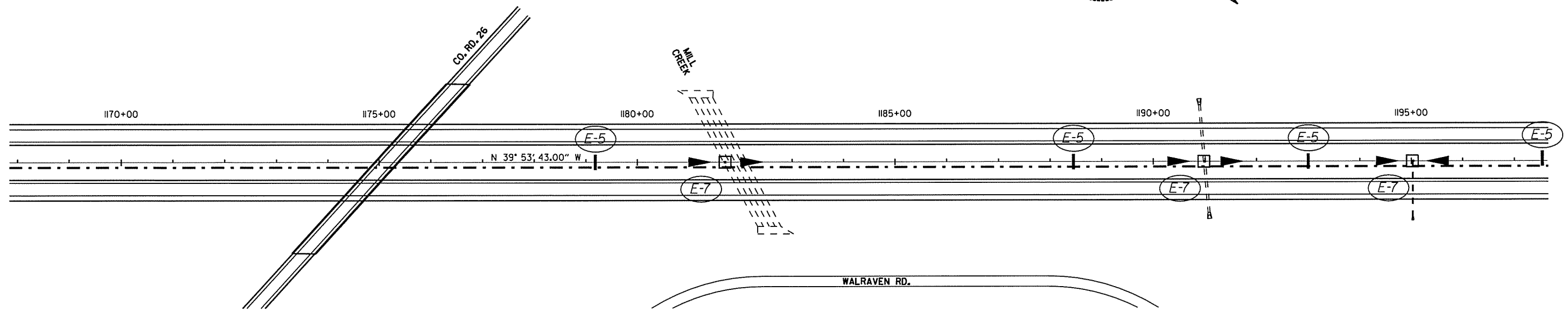
TEMPORARY EROSION CONTROL DETAILS
STA. 1109+00 - STA. 1168+00

7/21/2014 11:27:15 AM P:\100038109\CADD\GEI\SHEETS\HWY 549\HWY549_EC-18.dwg



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		24	71
				JOB NO.		030435		

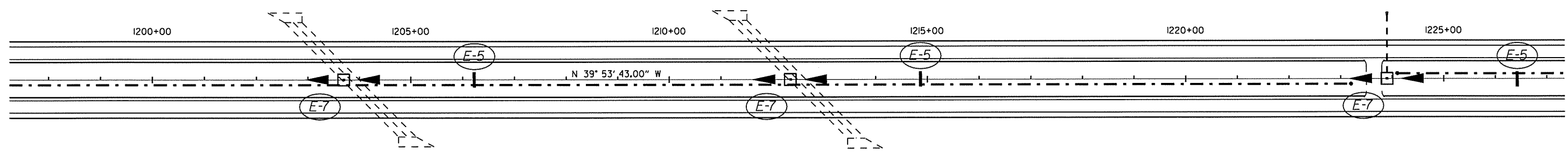
TEMPORARY EROSION CONTROL DETAILS



REVISIONS		DATE OF REVISION	REVISION
SAND BAG DITCH CHECK	DROP INLET SILT FENCE		

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



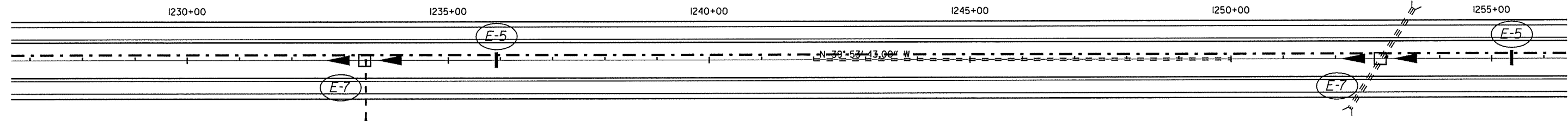
TEMPORARY EROSION CONTROL DETAILS
STA. 1168+00 - STA. 1227+00

7/21/2014 11:27:15 AM P:\00038109\CADD\GET SHEETS\HWY 549\HWY549_EC-19.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		25	71
				JOB NO.	030435		25	71

TEMPORARY EROSION CONTROL DETAILS



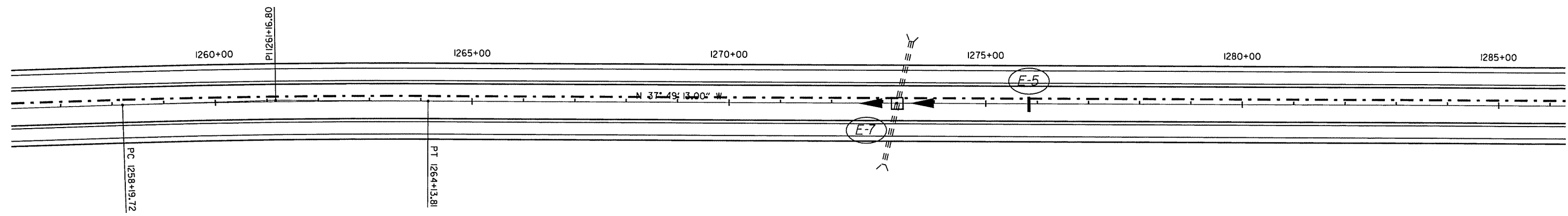
		REVISIONS	
DATE OF REVISION	REVISION	DATE OF REVISION	REVISION

LEGEND

SAND BAG DITCH CHECK:

DROP INLET SILT FENCE:

INDICATES DIRECTION OF MEDIAN DRAINAGE



P.I. = 1261+16.80
 Δ = 2° 04' 30.00" (RT)
 D = 0° 20' 57.39"
 T = 297.08
 L = 594.09
 R = 16,404.21

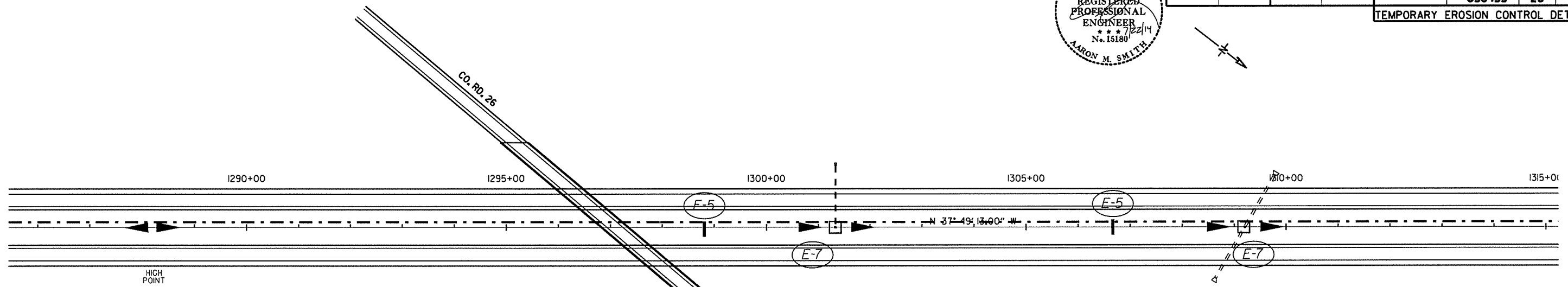
TEMPORARY EROSION CONTROL DETAILS
 STA. 1227+00 - STA. 1286+00

7/21/2014 11:27:15 AM P:\00038109\CADD\GEI\SHEETS\HWY 549\HWY549_EC-20.dgn



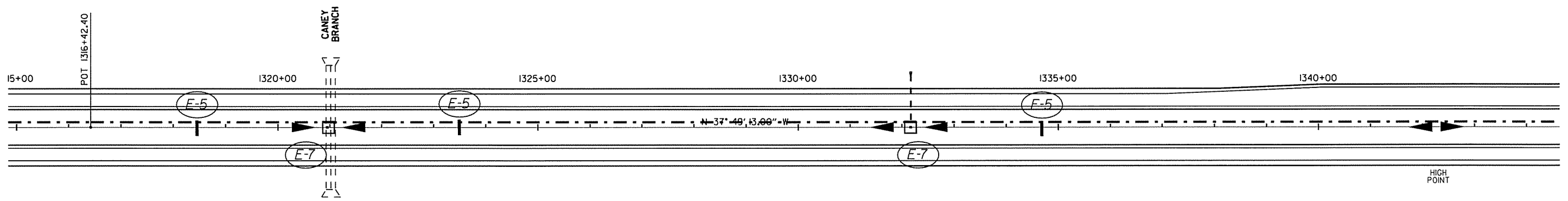
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	030435	26	71	

TEMPORARY EROSION CONTROL DETAILS



LEGEND		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

INDICATES DIRECTION OF MEDIAN DRAINAGE



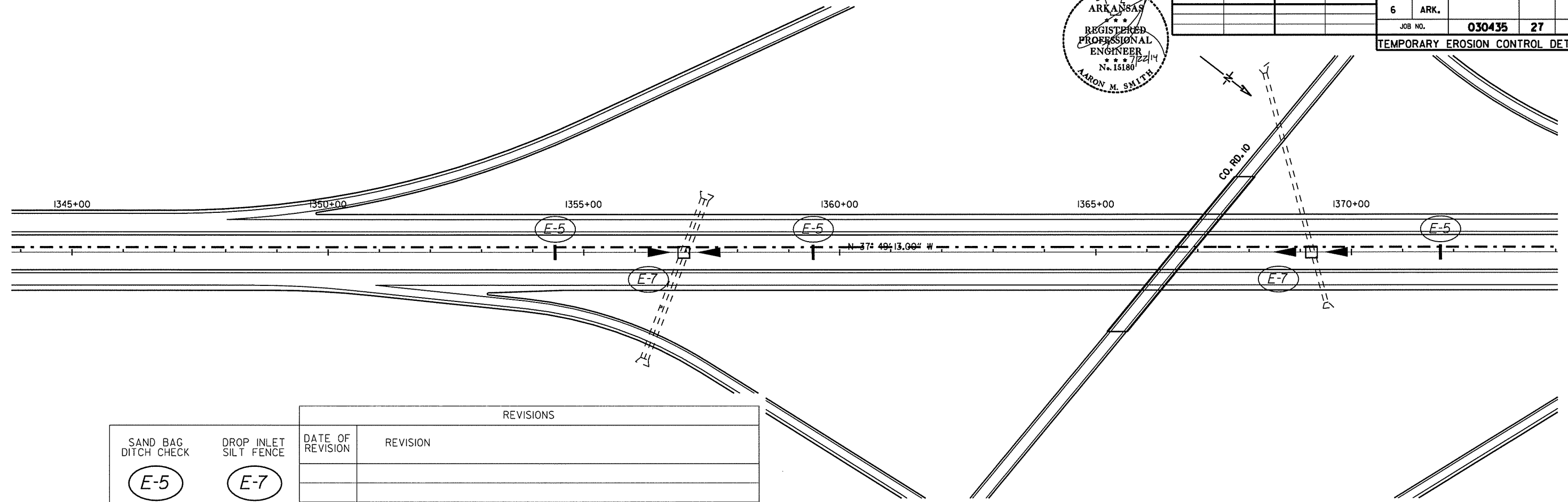
TEMPORARY EROSION CONTROL DETAILS
STA. 1286+00 - STA. 1344+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
				6	ARK.				
JOB NO.							030435	27	71

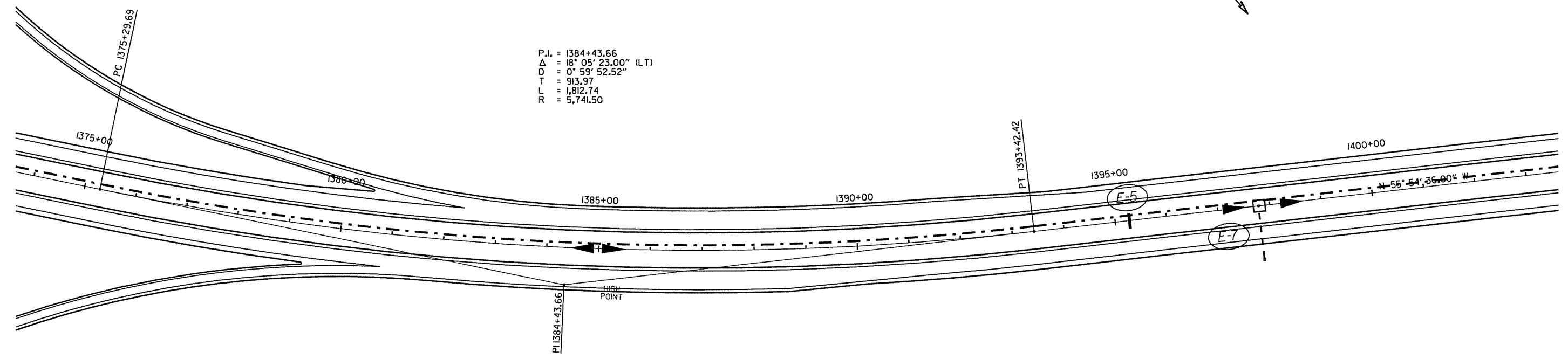
TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



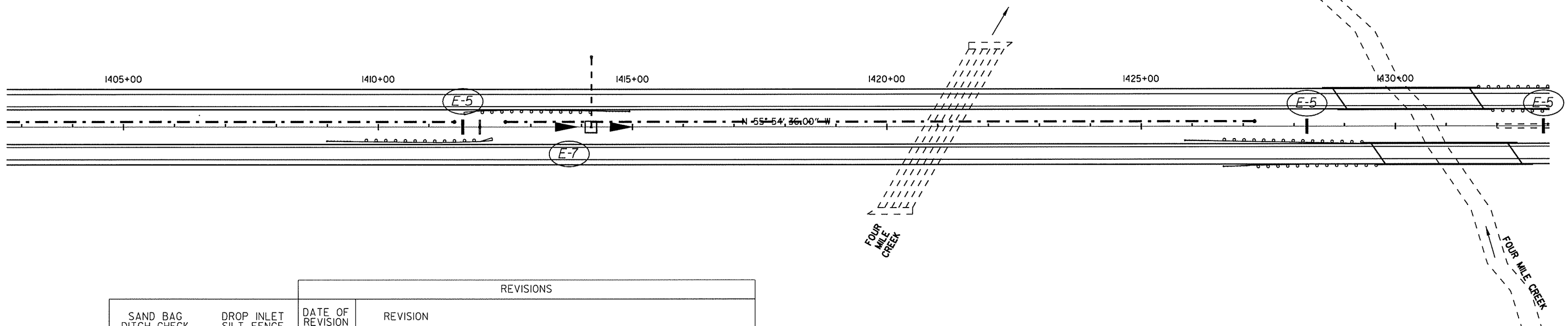
P.I. = 1384+43.66
 Δ = 18° 05' 23.00" (LT)
 D = 0° 59' 52.52"
 T = 913.97
 L = 1,812.74
 R = 5,741.50

TEMPORARY EROSION CONTROL DETAILS
 STA. 1344+00 - STA. 1403+00

7/21/2014 11:27:15 AM P:\10038103\CADD\GEI\SHEETS\HWY 549\HWY549_EC-22.dgn

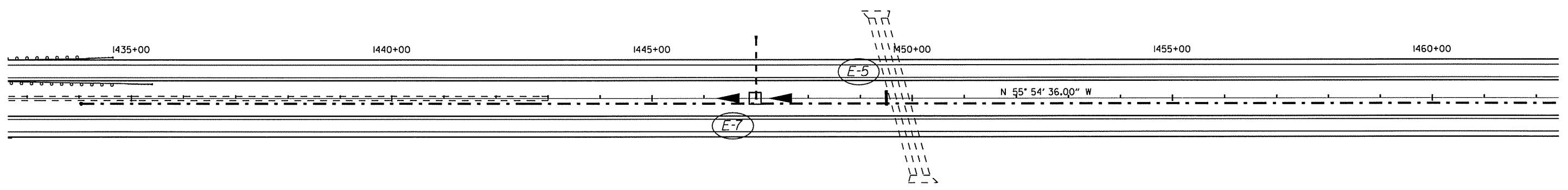


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		28	71
JOB NO. 030435							TEMPORARY EROSION CONTROL DETAILS	



REVISIONS		DATE OF REVISION	REVISION
SAND BAG DITCH CHECK	DROP INLET SILT FENCE		

INDICATES DIRECTION OF MEDIAN DRAINAGE



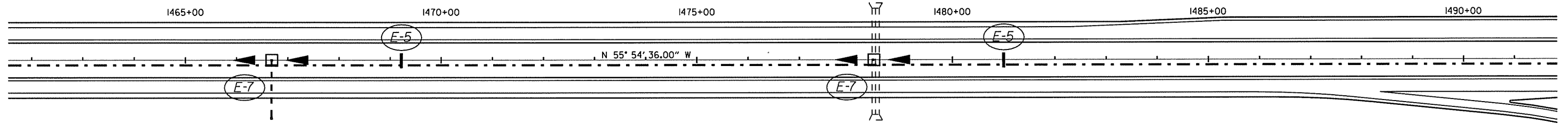
TEMPORARY EROSION CONTROL DETAILS
STA. 1403+00 - STA. 1462+00

7/21/2014 11:27:16 AM P:\100038109\CADD\GET SHEETS\HWY 549\HWY549_EC-23.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO.	
							030435	29
							71	

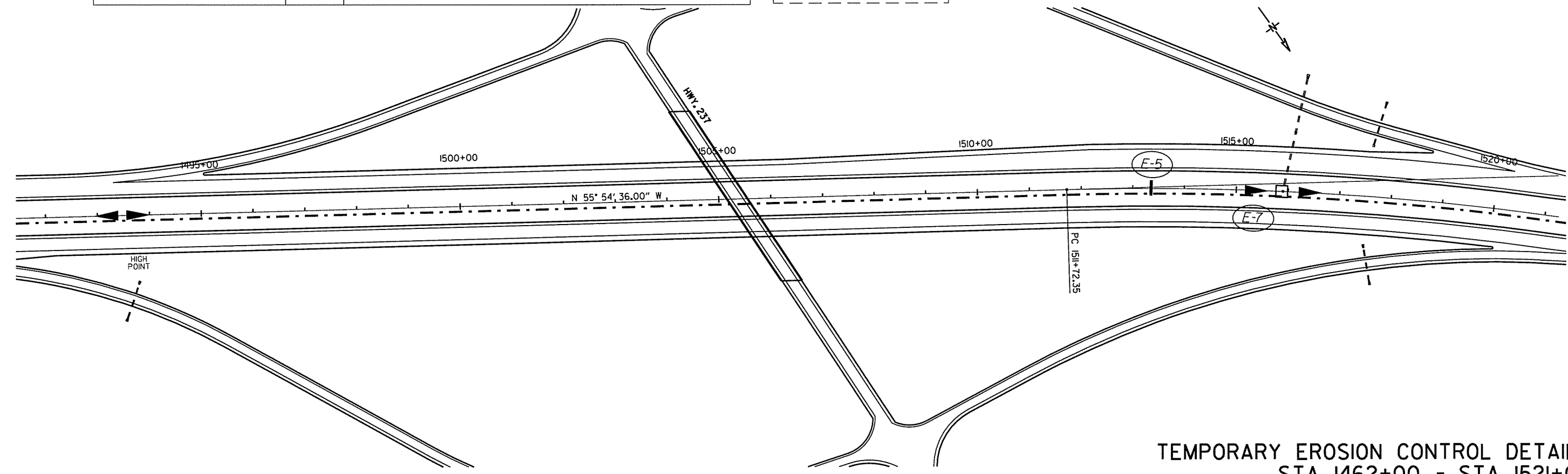
TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



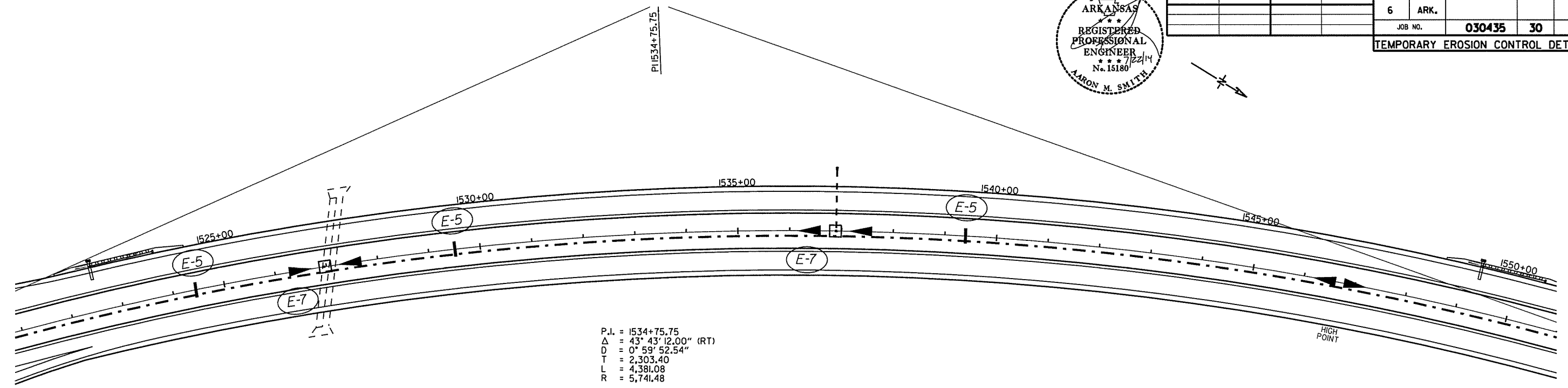
TEMPORARY EROSION CONTROL DETAILS
STA. 1462+00 - STA. 1521+00

7/27/2014 11:27:16 AM P:\100038109\CADD\GET SHEETS\HWY_549\HWY549_EC-24.dwg



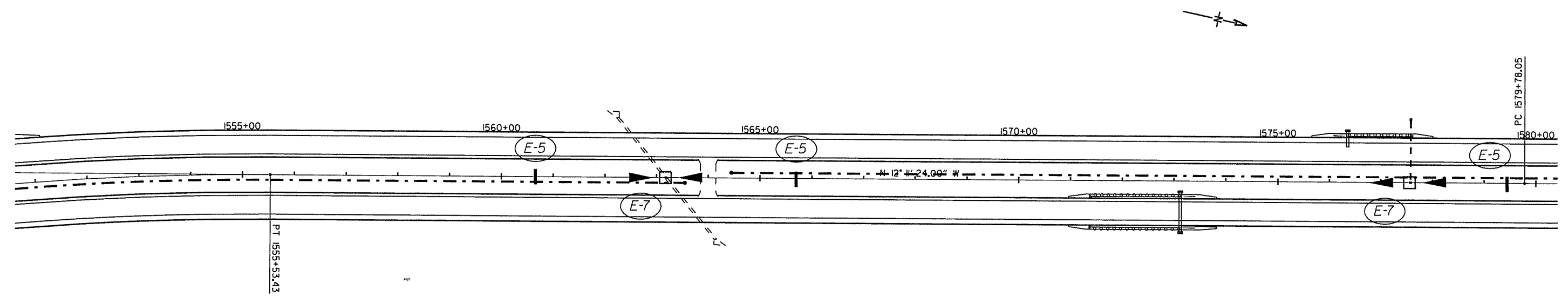
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
				6	ARK.				
							JOB NO. 030435	30	71

TEMPORARY EROSION CONTROL DETAILS



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION
E-5 	E-7 □		

INDICATES DIRECTION OF MEDIAN DRAINAGE



TEMPORARY EROSION CONTROL DETAILS
 STA. 1521+00 - STA. 1580+00

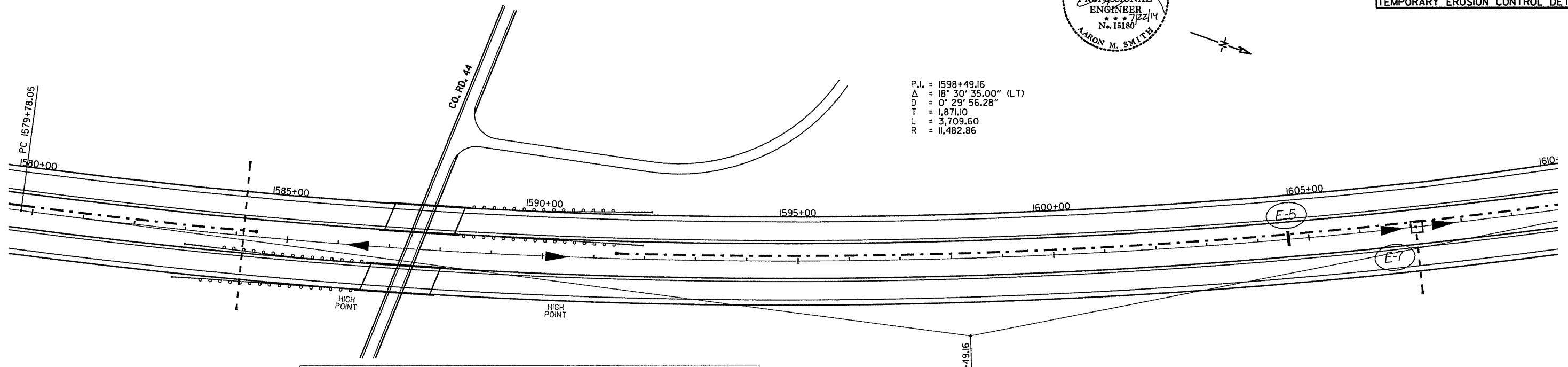
7/27/2014 11:27:17 AM P:\00038103\CADD\GEI\SHEETS\HWY 549\HWY549_EC-25.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		31	71
				JOB NO.		030435		

TEMPORARY EROSION CONTROL DETAILS

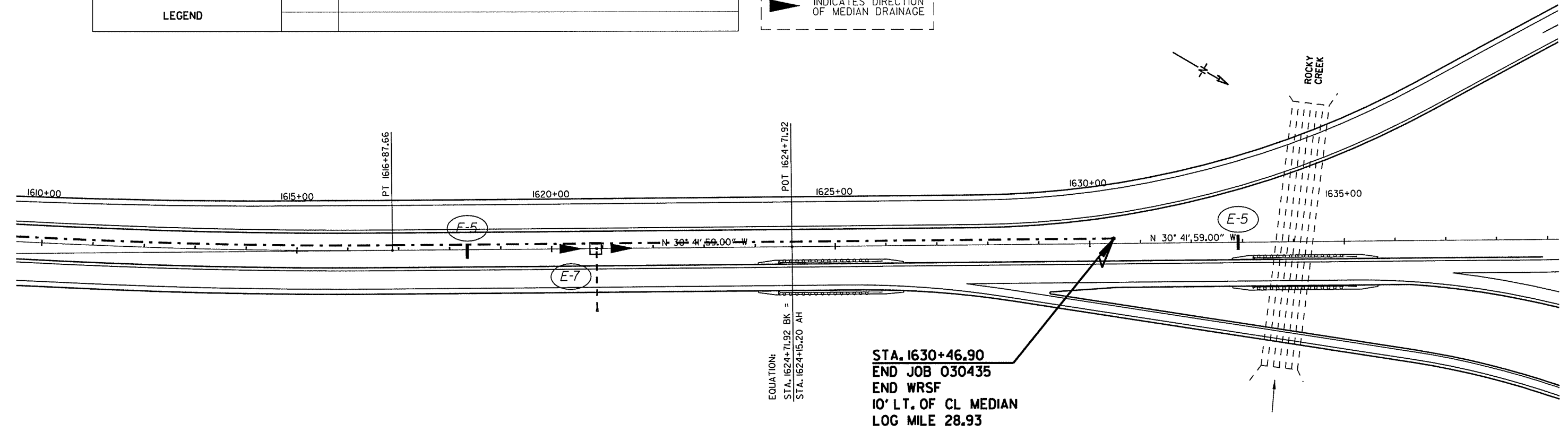
P.I. = 1598+49.16
 Δ = 18° 30' 35.00" (LT)
D = 0° 29' 56.28"
T = 1,871.10
L = 3,709.60
R = 11,482.86



		REVISIONS	
SAND BAG DITCH CHECK	DROP INLET SILT FENCE	DATE OF REVISION	REVISION

LEGEND

INDICATES DIRECTION OF MEDIAN DRAINAGE



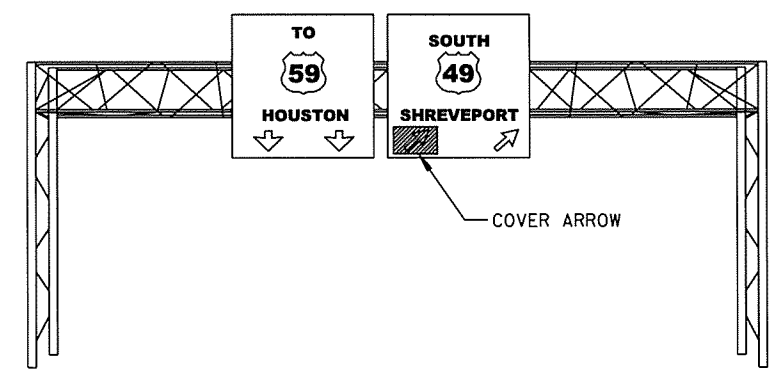
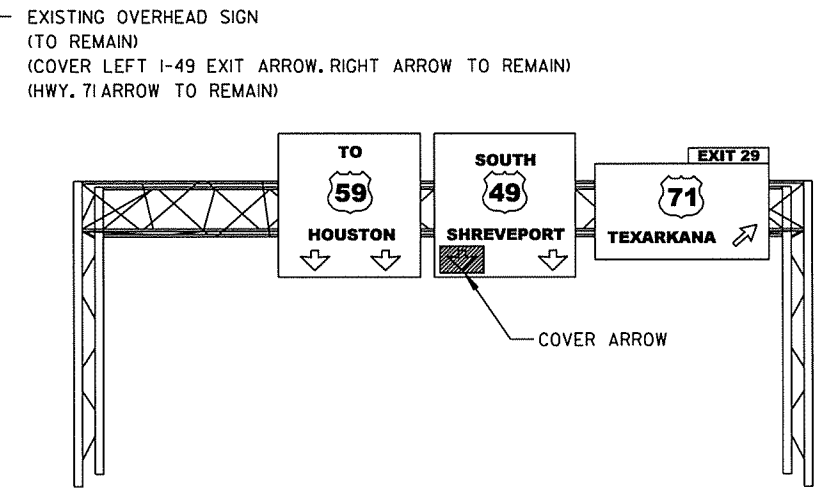
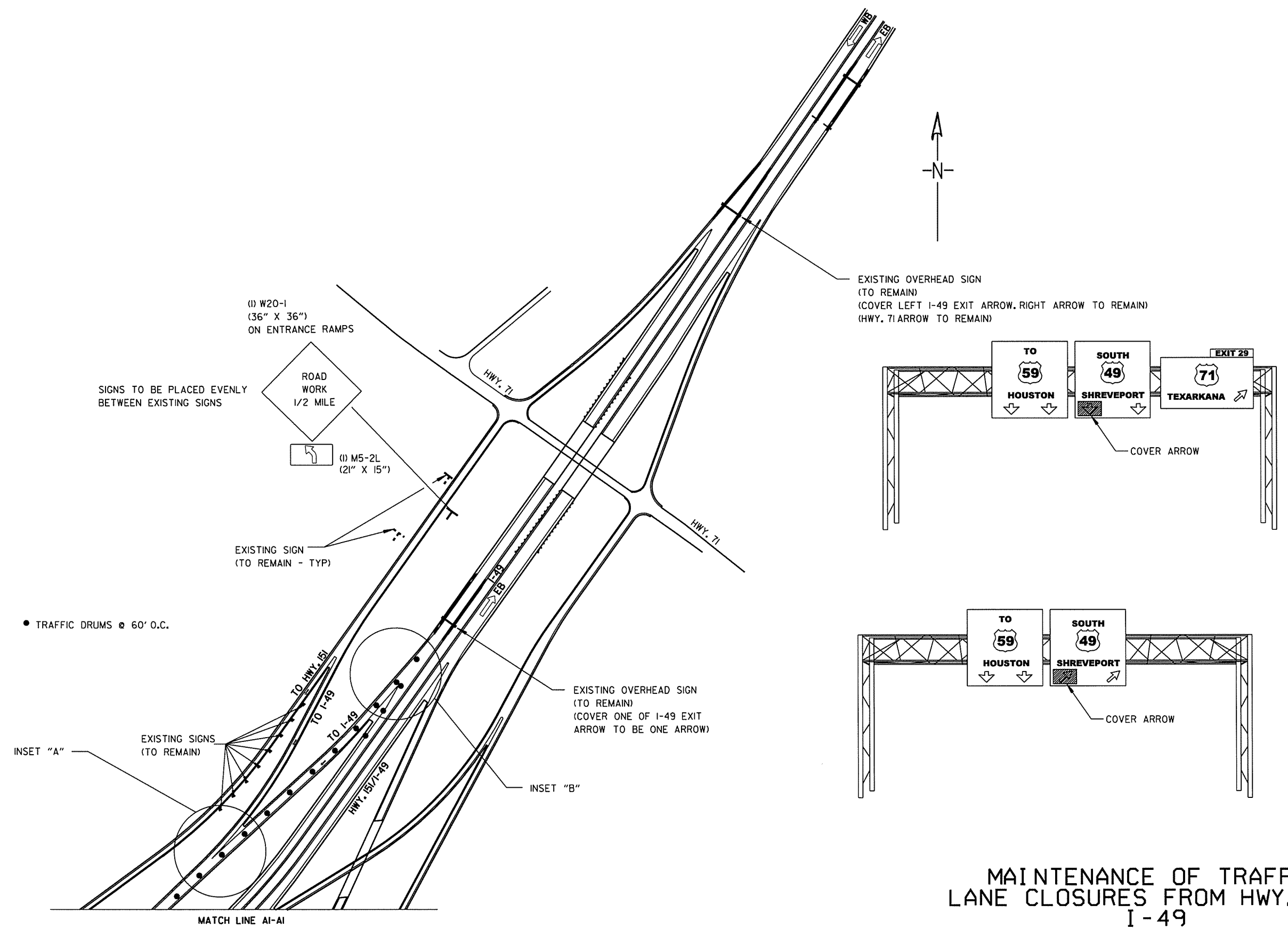
TEMPORARY EROSION CONTROL DETAILS
 STA. 1580+00 - STA. 1639+00

7/21/2014 11:27:17 AM P:\N0003809\CADD\GEI SHEETS\HWY 549\HWY549_EC-26.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							33	71

MAINTENANCE OF TRAFFIC

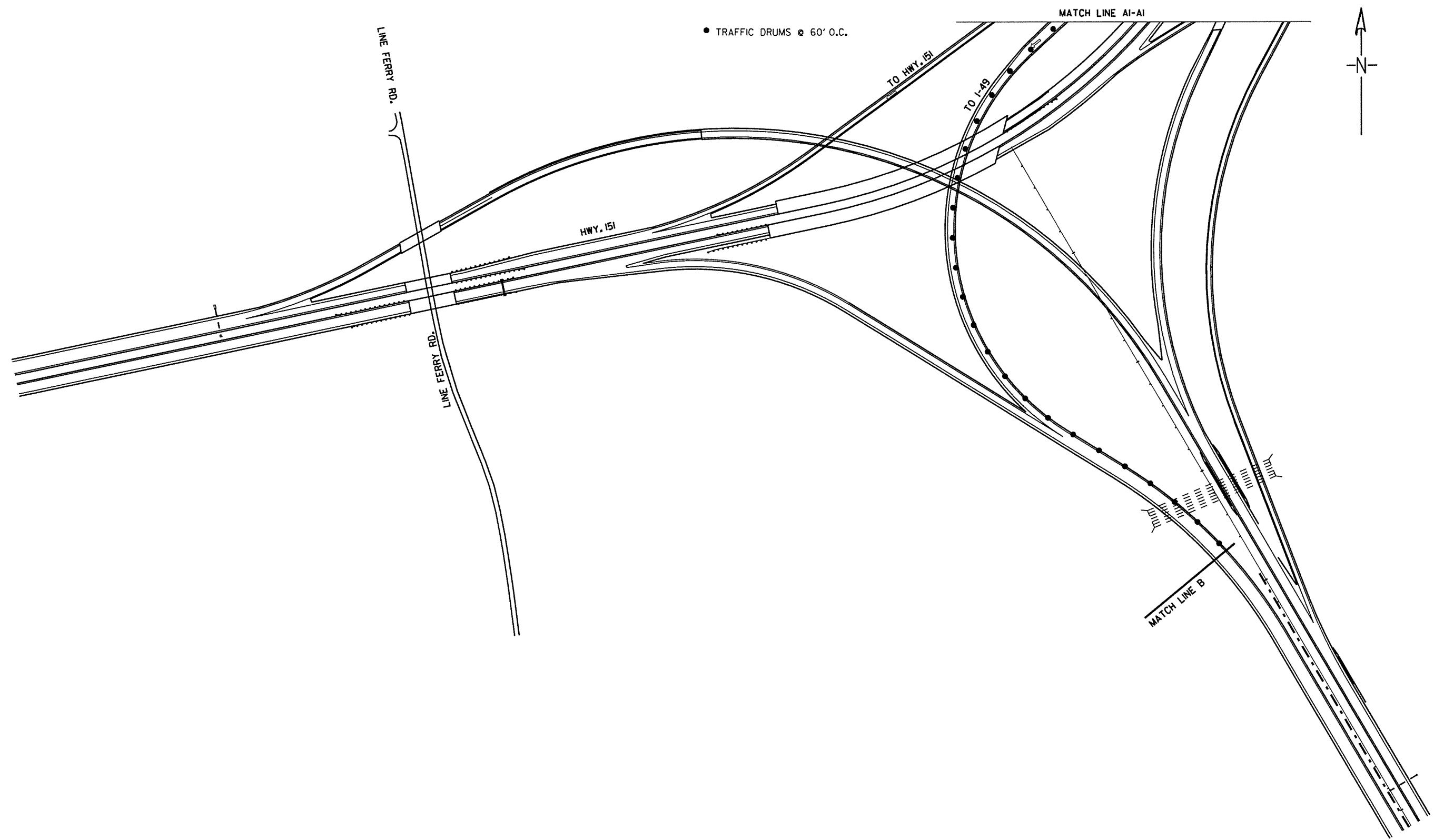


MAINTENANCE OF TRAFFIC
LANE CLOSURES FROM HWY. 71 &
I-49



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							34	71

MAINTENANCE OF TRAFFIC

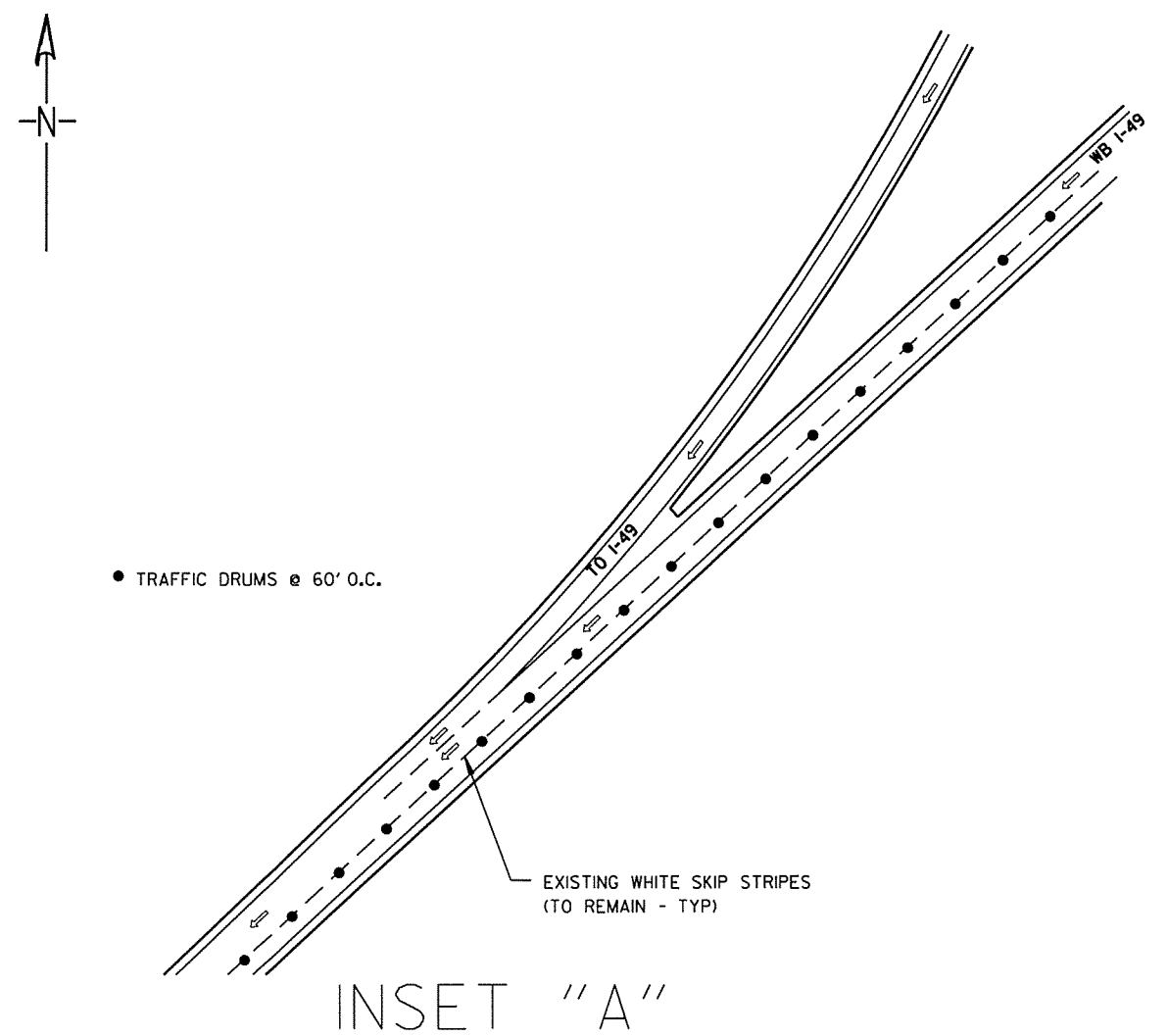


MAINTENANCE OF TRAFFIC
LANE CLOSURES FROM HWY. 71 &
I-49

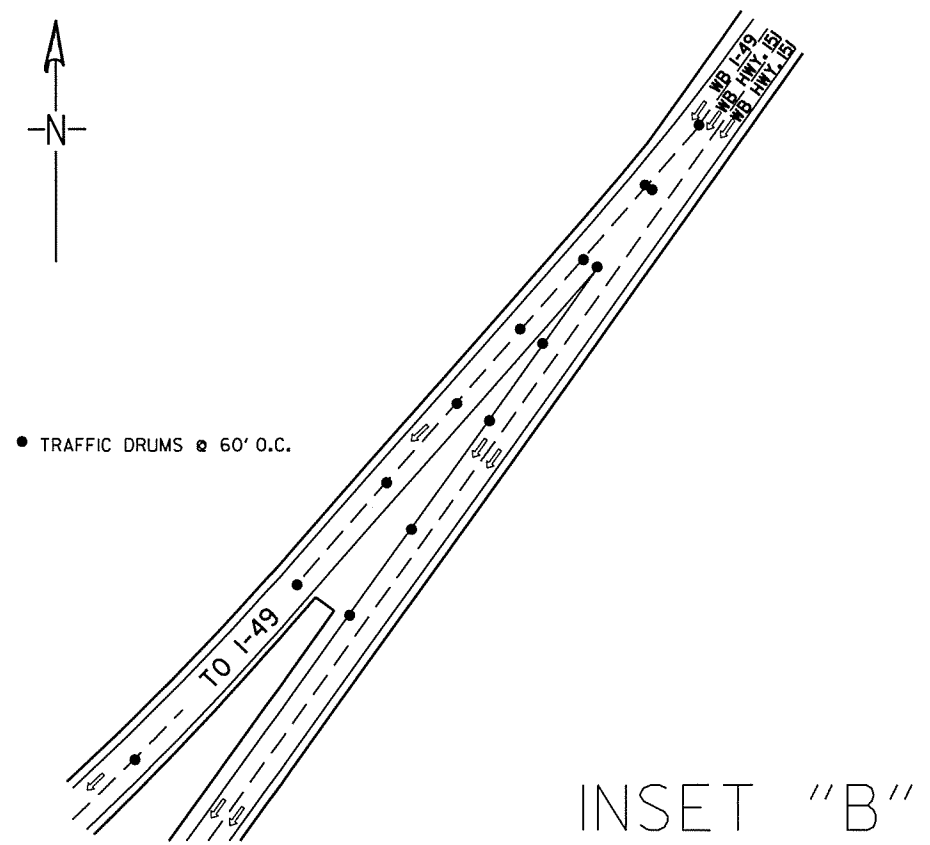


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. 030435	35	71

MAINTENANCE OF TRAFFIC



NOTE: EXISTING SIGNS TO REMAIN AT BOTH INSET LOCATIONS



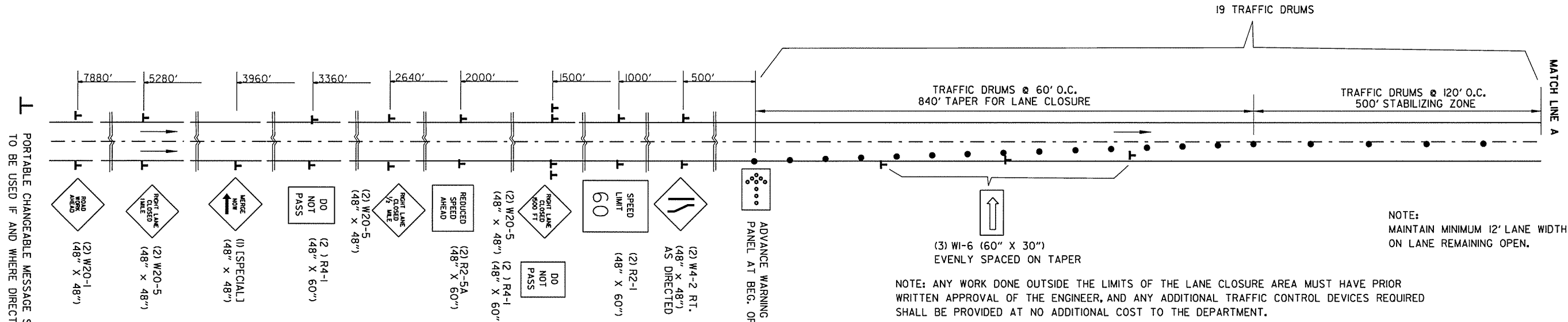
MAINTENANCE OF TRAFFIC
LANE CLOSURES FROM HWY. 71 &
I-49



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO.	030435
							SHEET NO.	36
							TOTAL SHEETS	71

MAINTENANCE OF TRAFFIC

NOTE: IF THE NORTHBOUND LANE CLOSURE BEGINS BEFORE STA. 104+00, THE TAPER LENGTH SHALL BE 900' WITH TRAFFIC DRUMS AT 65' O.C.



PORTABLE CHANGEABLE MESSAGE SIGN TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

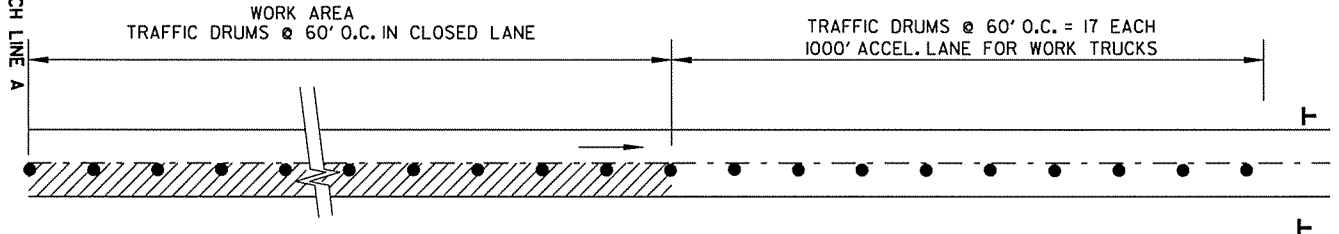
NOTE: MAINTAIN MINIMUM 12' LANE WIDTH ON LANE REMAINING OPEN.

NOTE: ANY WORK DONE OUTSIDE THE LIMITS OF THE LANE CLOSURE AREA MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER, AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE DEPARTMENT.

RT. LANE CLOSURE

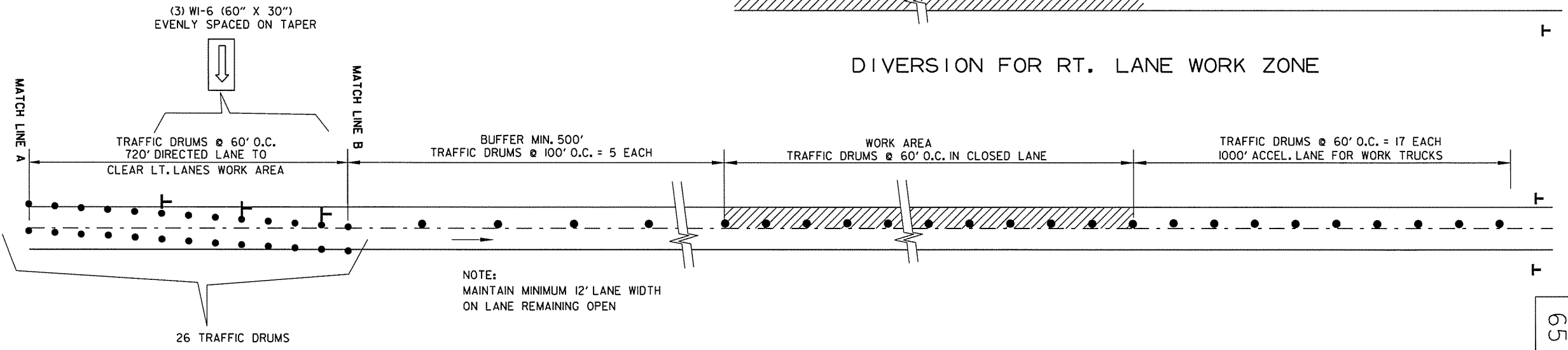
NOTE: LANE CLOSURE NOT TO BE UTILIZED AT HWY. 71 & I-49 INTERCHANGE AREAS.

SPEED LIMIT	70
TRUCKS	65



DIVERSION FOR RT. LANE WORK ZONE

(2) R2-1 (48" X 60")
(2) R2-2 (48" X 48")



NOTE: MAINTAIN MINIMUM 12' LANE WIDTH ON LANE REMAINING OPEN

DIVERSION FOR LT. LANE WORK ZONE

NOTE: IF THE NORTHBOUND LANE CLOSURE BEGINS BEFORE STA. 104+00, THE TAPER LENGTH SHALL BE 900' WITH TRAFFIC DRUMS AT 65' O.C. FOR LANE CLOSURE

NOTE: REFER TO SP-MAINTENANCE OF TRAFFIC FOR LANE CLOSURE LIMITATIONS AND RESTRICTIONS. QUANTITY OF TRAFFIC DRUMS PROVIDED IN THE CONTRACT IS THE MAXIMUM NUMBER REQUIRED FOR ONE LANE CLOSURE.

SPEED LIMIT	70
TRUCKS	65

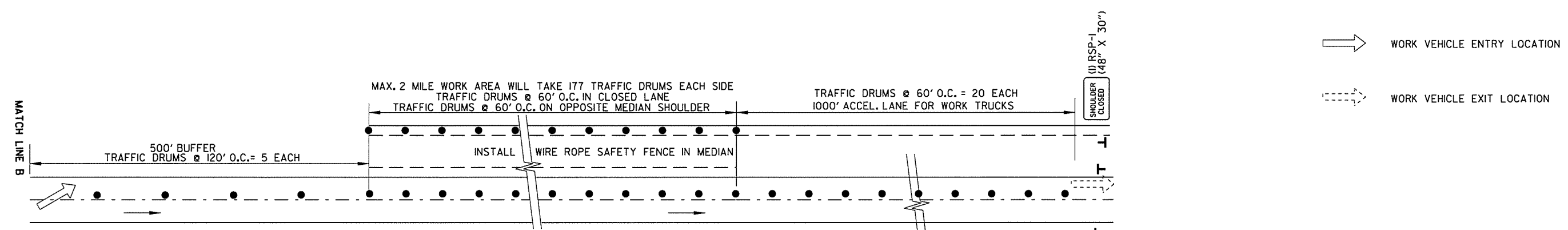
(2) R2-1 (48" X 60")
(2) R2-2 (48" X 48")

MAINTENANCE OF TRAFFIC LANE CLOSURES

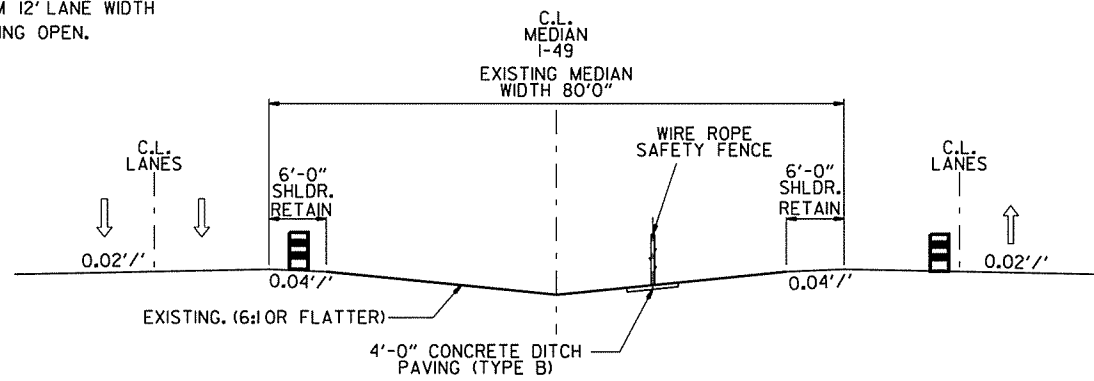


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS		
				6	ARK.					
							JOB NO.	030435	37	71

MAINTENANCE OF TRAFFIC



NOTE:
MAINTAIN MINIMUM 12' LANE WIDTH
ON LANE REMAINING OPEN.



MOVABLE WORK ZONE FOR WRSF INSTALLATION

TRUCKS	SPEED LIMIT
65	70
(2) R2-2 (48" X 48")	(2) R2-1 (48" X 60")

NOTE: REFER TO SP-MAINTENANCE OF TRAFFIC FOR LANE CLOSURE LIMITATIONS AND RESTRICTIONS. QUANTITY OF TRAFFIC DRUMS PROVIDED IN THE CONTRACT IS THE MAXIMUM NUMBER REQUIRED FOR ONE LANE CLOSURE.

NOTE: CONTRACTOR MUST UTILIZE ENTRY/EXIT LOCATION AS SHOWN ON THE PLANS.

MAINTENANCE OF TRAFFIC
WORK AREAS

EROSION CONTROL



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	38	71

LOCATION	TEMPORARY EROSION CONTROL							PERMANENT EROSION CONTROL				
	TEMPORARY SEEDING	MULCH COVER	WATER	SAND BAG DITCH CHECKS (E-5)	DROP INLET SILT FENCE (E-7)	WATTLE 18"	SEDIMENT REMOVAL AND DISPOSAL	SEEDING	LIME	MULCH COVER	SECOND SEEDING APPLICATION	WATER
	ACRE	ACRE	M.GAL.	BAG	LIN.FT.	LIN.FT.	C.Y.	ACRE	TON	ACRE	ACRE	M.GAL.
ENTIRE JOB	46.00	46.00	938.40	3540	4170		331.8					
ENTIRE PROJECT IF AND WHERE DIRECTED BY THE ENGINEER				40	300	1350		10.00	20	10.00	10.00	1020.0
TOTALS:	46.00	46.00	938.40	3580	4470	1350	331.8	10.00	20	10.00	10.00	1020.0

BASIS OF ESTIMATE:
 LIME.....2 TONS/ACRE OF SEEDING
 WATER.....102.0 M.G./ACRE OF SEEDING
 WATER.....20.4 M.G./ACRE OF TEMPORARY SEEDING
 DROP INLET SILT FENCES.....30 LIN.FT./LOCATION
 SAND BAG DITCH CHECKS.....20 BAGS/LOCATION

NOTE: THE TEMPORARY EROSION CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS SHALL BE INSTALLED IN SUCH A SEQUENCE AS TO DETER EROSION AND SEDIMENTATION OF U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

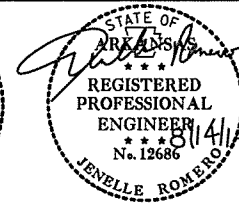
ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		TRAFFIC DRUMS	ADVANCE WARNING ARROW PANEL	PORTABLE CHANGEABLE MESSAGE SIGN	MOBILE SPEED NOTIFICATION SYSTEM
			SQ.FT.-LIN.FT.-EA	NO.	SQ. FT.				
W20-1	ROAD WORK 1 MILE	48"X48"	16	6	96				
W20-1	ROAD WORK 1/2 MILE	36"X36"	9	1	9				
W20-1	ROAD WORK 1/2 MILE	48"X48"	16	6	96				
W20-1	ROAD WORK 1500 FT.	48"X48"	16	6	96				
W20-1	ROAD WORK AHEAD	48"X48"	16	22	352				
G20-1	ROAD WORK NEXT xx MILES	60"X24"	10	2	20				
G20-2	END ROAD WORK	48"X24"	8	6	48				
SPECIAL 1	MERGE NOW + ARROW	48"X48"	16	1	16				
W20-5	RIGHT LANE CLOSED 1 MILE	48"X48"	16	2	32				
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"X48"	16	2	32				
W20-5	RIGHT LANE CLOSED 1500 FT.	48"X48"	16	2	32				
W4-2R	RIGHT LANE CLOSING GRAPHIC	48"X48"	16	2	32				
W1-6	LARGER ARROW	60"X30"	12.5	6	75				
R4-1	DO NOT PASS	48"X60"	20	4	80				
R55-1	FINES DOUBLE IN WORK ZONES	36"X60"	15	6	90				
R2-5A	REDUCED SPEED AHEAD	48"X60"	10	2	20				
R2-1	SPEED LIMIT 60 MPH	48"X60"	10	2	20				
R2-1	SPEED LIMIT 70 MPH	48"X60"	10	2	20				
R2-2	TRUCKS 65	48"X60"	10	2	20				
RSP-1	SHOULDER CLOSED	48"X30"	10	3	30				
M5-2L	ARROW SHIELD FOR HIGHWAY 549	21"X15"	2.19	1	2.2				
	TRAFFIC DRUMS		459			459			
	MOBILE SPEED NOTIFICATION SYSTEM		1						1
	ADVANCE WARNING ARROW PANEL		1			95			
	PORTABLE CHANGEABLE MESSAGE SIGN		2				68		
TOTALS:					1218.2	459	95	68	1

NOTE: THIS IS A HIGH VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014.

QUANTITIES

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	40	71

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
601	MOBILIZATION	1.00	LUMP SUM
SP & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
603	TRAFFIC CONTROL SUPERVISOR	1.00	LUMP SUM
604	SIGNS	1218	SQ. FT.
604	TRAFFIC DRUMS	459	EACH
604	ADVANCE WARNING ARROW PANEL	95	DAY
SP & 604	PORTABLE CHANGEABLE MESSAGE SIGN	68	WEEK
SP & 605	CONCRETE DITCH PAVING (TYPE B)	63543	SQ. YD.
620	LIME	20	TON
620	SEEDING	10.00	ACRE
SS & 620	MULCH COVER	56.00	ACRE
620	WATER	2759.1	M. GAL.
621	TEMPORARY SEEDING	46.00	ACRE
621	SAND BAG DITCH CHECKS	3580	BAG
621	DROP INLET SILT FENCE	4470	LIN. FT.
621	SEDIMENT REMOVAL AND DISPOSAL	332	CU. YD.
621	WATTLE (18")	1350	LIN. FT.
623	SECOND SEEDING APPLICATION	10.00	ACRE
624	SOLID SODDING	63543	SQ. YD.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
SP	WIRE ROPE SAFETY FENCE	142974	LIN. FT.
SP	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS	1.00	LUMP SUM
SP	MOBILE SPEED NOTIFICATION SYSTEM	1	EACH
SP	WIRE ROPE SAFETY FENCE (POST REPAIR)	50	EACH

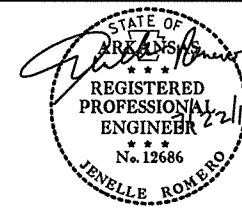
RESPONSIBLE FOR QUANTITIES IN EROSION CONTROL AND ADVANCE WARNING SIGNS AND DEVICES TABLES

RESPONSIBLE FOR ALL OTHER QUANTITIES

REVISIONS

DATE	REVISION	SHEET NUMBER

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	41	71
				JOB NO.		030435	41	71
PLAN SHEETS								

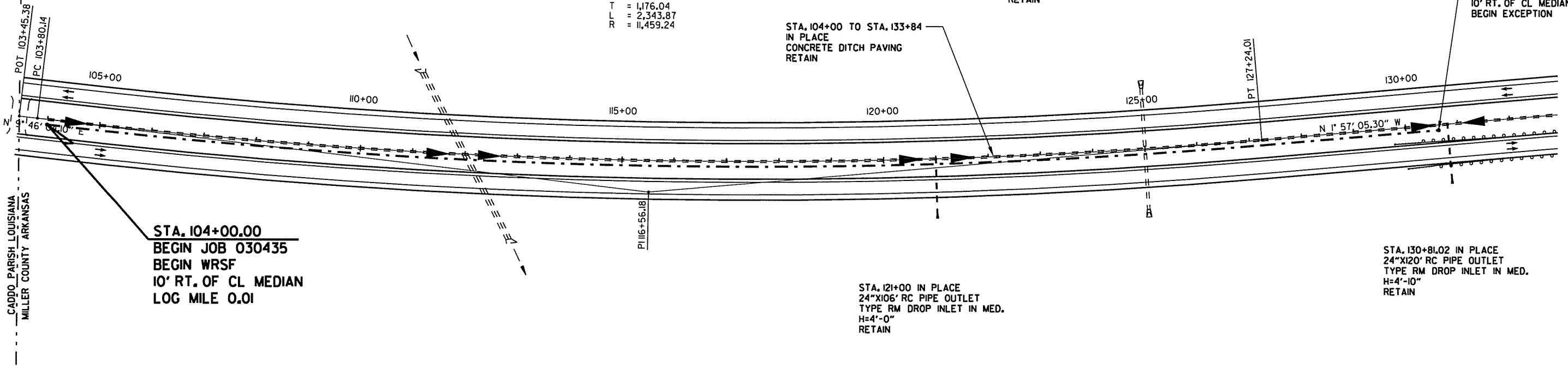
STA. 112+00 IN PLACE
10'X5'X358' RC BOX CULVERT
30° RT. FWD. SKEW
TYPE TM DROP INLET IN MED.
H=20'-0"
RETAIN

P.I. = 115+56.18
Δ = 11° 43' 09.40" (LT)
D = 0° 29' 59.99"
T = 1,176.04
L = 2,343.87
R = 11,459.24

STA. 125+00 IN PLACE
60"X232' RC PIPE CULVERT
RETAIN

STA. 130+64
END WRSF
10' RT. OF CL MEDIAN
BEGIN EXCEPTION

STA. 104+00 TO STA. 133+84
IN PLACE
CONCRETE DITCH PAVING
RETAIN



STA. 104+00.00
BEGIN JOB 030435
BEGIN WRSF
10' RT. OF CL MEDIAN
LOG MILE 0.01

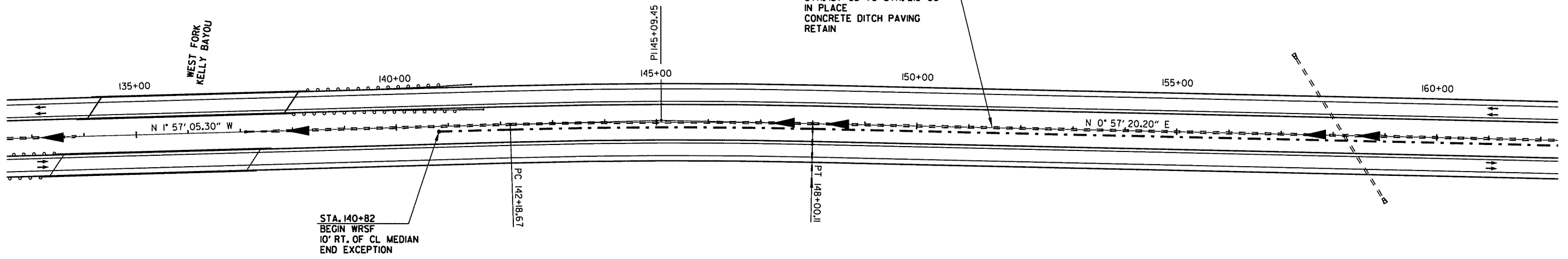
STA. 121+00 IN PLACE
24"X106' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=4'-0"
RETAIN

STA. 130+81.02 IN PLACE
24"X120' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=4'-10"
RETAIN

STA. 137+61.61 IN PLACE
24"X46' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-3"
RETAIN

STA. 137+63 TO STA. 218+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN

STA. 158+21 IN PLACE
42"X316' RC PIPE CULVERT
33° RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=9'-10"
RETAIN



STA. 140+82
BEGIN WRSF
10' RT. OF CL MEDIAN
END EXCEPTION

P.I. = 145+09.45
Δ = 2° 54' 25.50" (RT)
D = 0° 29' 59.93"
T = 290.78
L = 581.44
R = 11,459.57

STA. 148+00 IN PLACE
24"X114' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=8'-2"
RETAIN

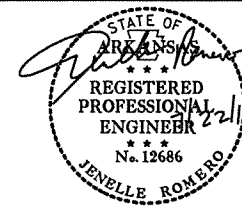
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION. EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

PLAN SHEETS
STA. 103+45.38 - STA. 162+00

CADDO PARISH LOUISIANA
MILLER COUNTY ARKANSAS

WEST FORK
KELLY BAYOU

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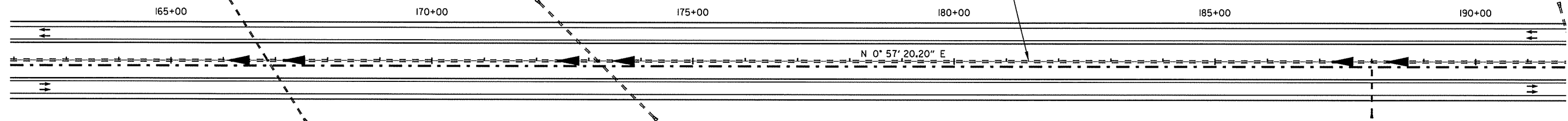
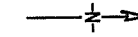
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	42	71

PLAN SHEETS

STA. 166+85 IN PLACE
30"X296' RC PIPE CULVERT
32° RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=8'-7"
RETAIN

STA. 173+17 IN PLACE
36"X310' RC PIPE CULVERT
45° RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=3'-11"
RETAIN

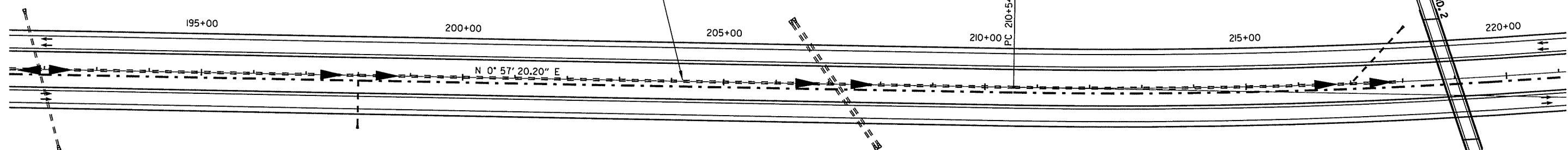
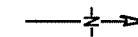
STA. 137+63 TO STA. 218+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN



STA. 188+00 IN PLACE
24"X100' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-3"
RETAIN

STA. 217+00 IN PLACE
24"X142' RC PIPE OUTLET
45° LT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=2'-11"
RETAIN

STA. 137+63 TO STA. 218+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN



STA. 191+90 IN PLACE
36"X260' RC PIPE CULVERT
15° RT. FWD. SKEW
RETAIN

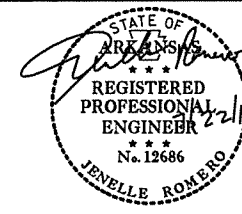
STA. 198+00 IN PLACE
24"X94' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-11"
RETAIN

STA. 207+13 IN PLACE
DBL. 36"X280' RC PIPE CULVERT
35° RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=6'-1"
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION, EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

PLAN SHEETS
STA. 162+00 - STA. 221+00

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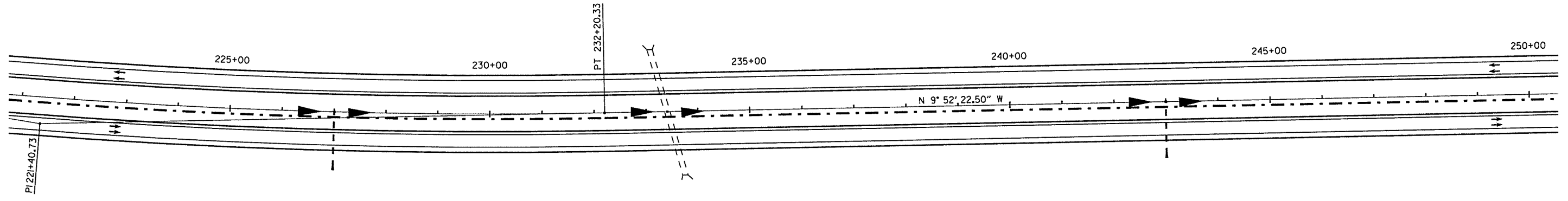
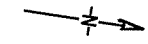


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							43	71

PLAN SHEETS

P.I. = 221+40.73
 Δ = 10° 49' 42.70" (LT)
 D = 0° 30' 00.02"
 T = 1,086.08
 L = 2,165.68
 R = 11,459.04

STA. 233+41.14 IN PLACE
 10'X5'X25' RC BOX CULVERT
 15° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=9'-6"
 RETAIN

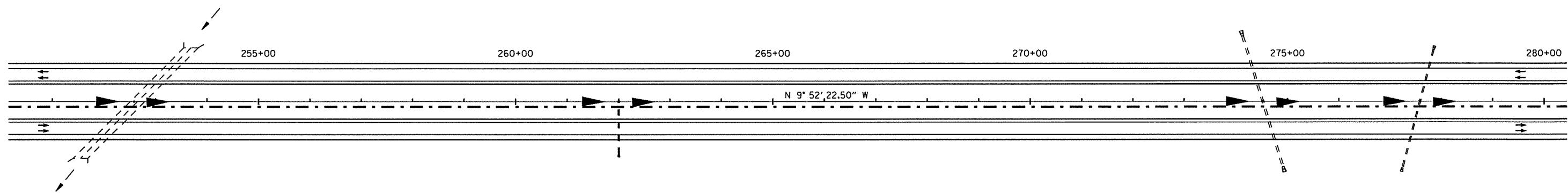
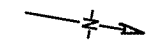


STA. 227+00 IN PLACE
 24"X104' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=3'-3"
 RETAIN

STA. 243+00 IN PLACE
 24"X100' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=3'-3"
 RETAIN

STA. 252+65 IN PLACE
 DBL. 10'X5'X304' RC BOX CULVERT
 45° LT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=2'-7"
 RETAIN

STA. 277+58 IN PLACE
 30"X238' RC PIPE CULVERT
 15° LT. FWD. SKEW
 TYPE RM DROP INLET IN MED.
 H=5'-10"
 RETAIN



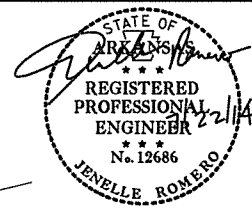
STA. 262+00 IN PLACE
 24"X100' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=3'-3"
 RETAIN

STA. 274+52 IN PLACE
 42"X266' RC PIPE CULVERT
 17° RT. FWD. SKEW
 TYPE RM DROP INLET IN MED.
 H=10'-2"
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

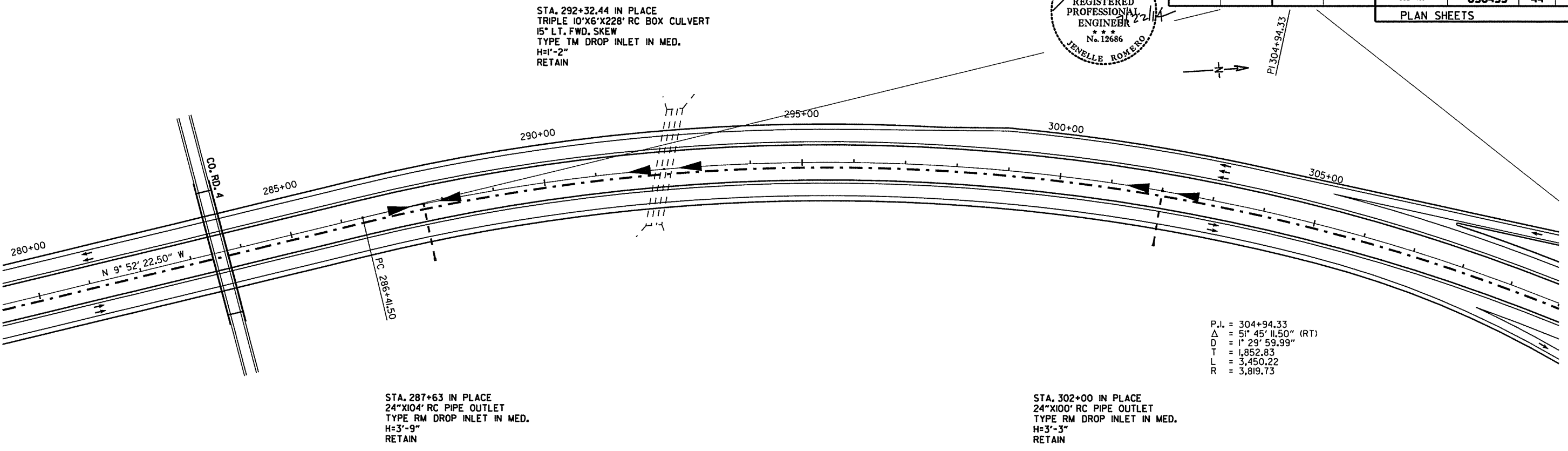
PLAN SHEETS
 STA. 221+00 - STA. 280+00

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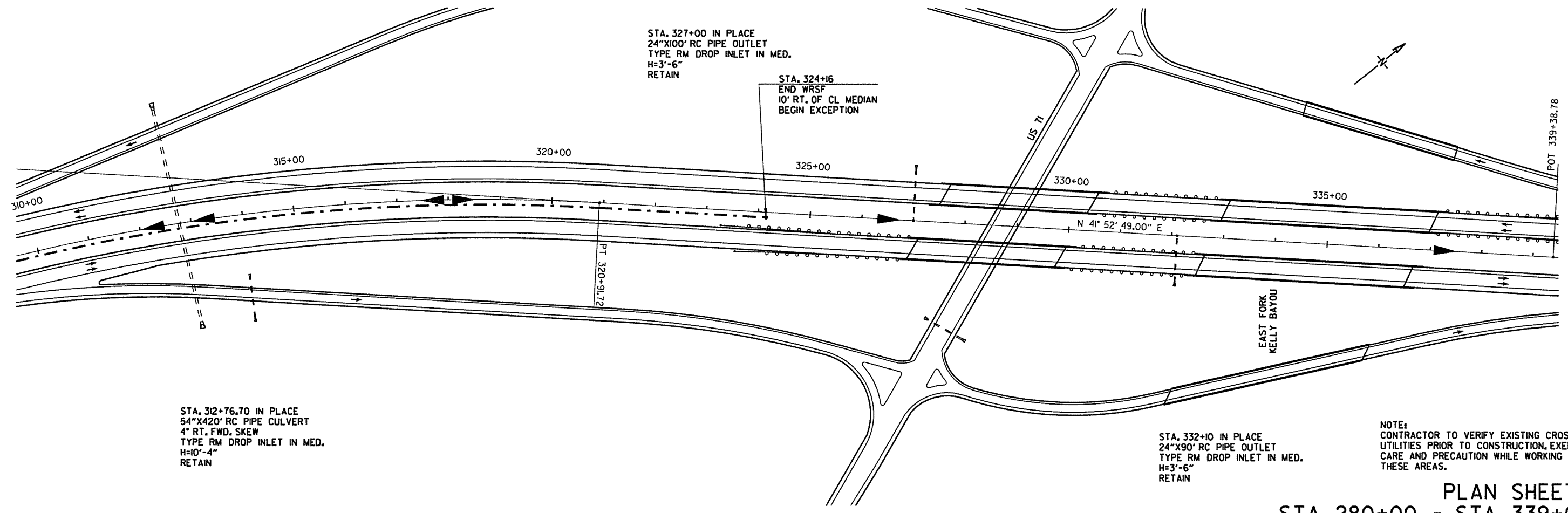


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
				6	ARK.				
							JOB NO. 030435	44	71

PLAN SHEETS



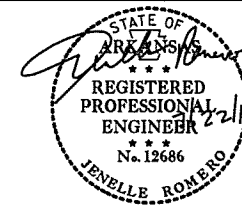
P.I. = 304+94.33
 Δ = 5° 45' 11.50" (RT)
 D = 1° 29' 59.99"
 T = 1,852.83
 L = 3,450.22
 R = 3,819.73



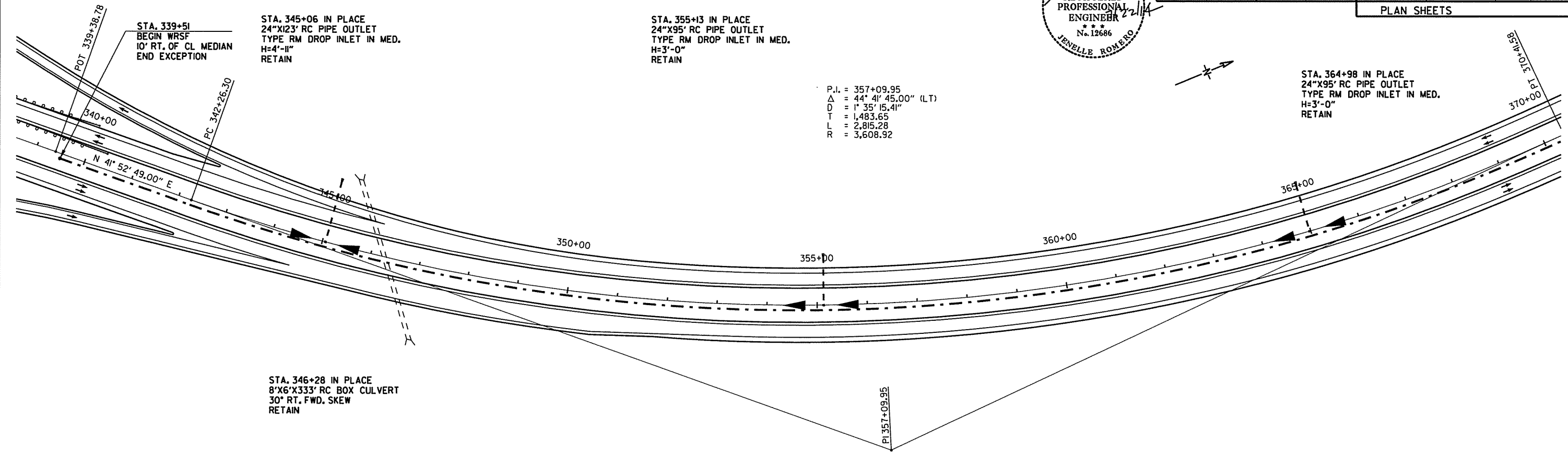
NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
 STA. 280+00 - STA. 339+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							45	71
PLAN SHEETS								



P.I. = 357+09.95
 Δ = 44° 41' 45.00" (LT)
 D = 1° 35' 15.41"
 T = 1,483.65
 L = 2,815.28
 R = 3,608.92

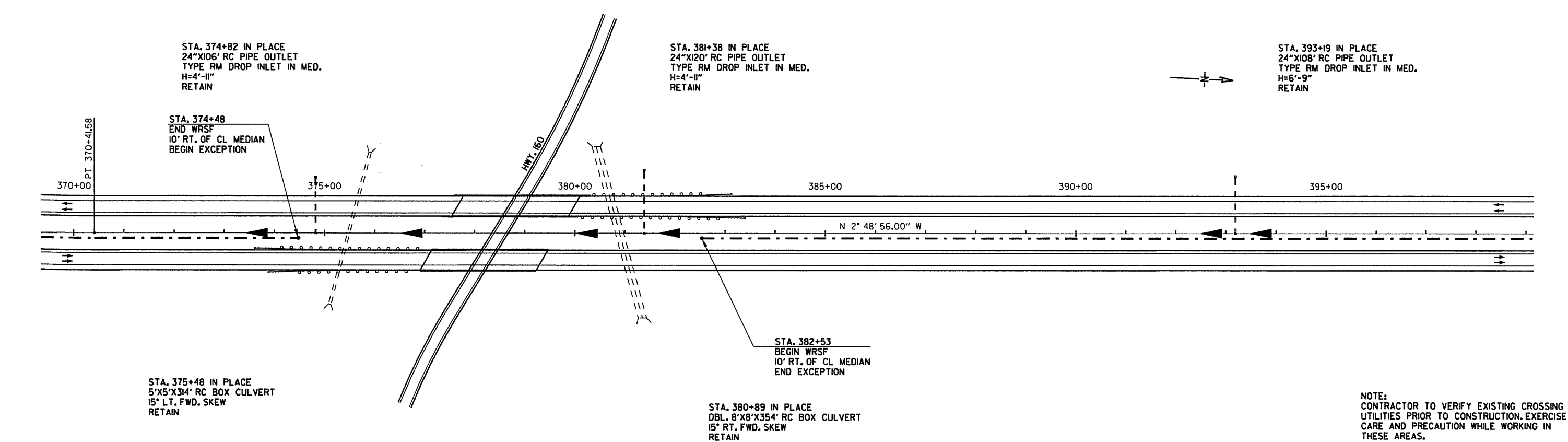
STA. 339+51
 BEGIN WRSF
 10' RT. OF CL MEDIAN
 END EXCEPTION

STA. 345+06 IN PLACE
 24"X123' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=4'-11"
 RETAIN

STA. 355+13 IN PLACE
 24"X95' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=3'-0"
 RETAIN

STA. 364+98 IN PLACE
 24"X95' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=3'-0"
 RETAIN

STA. 346+28 IN PLACE
 8'X6'X333' RC BOX CULVERT
 30° RT. FWD. SKEW
 RETAIN



STA. 374+82 IN PLACE
 24"X106' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=4'-11"
 RETAIN

STA. 381+38 IN PLACE
 24"X120' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=4'-11"
 RETAIN

STA. 393+19 IN PLACE
 24"X108' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=6'-9"
 RETAIN

STA. 374+48
 END WRSF
 10' RT. OF CL MEDIAN
 BEGIN EXCEPTION

STA. 375+48 IN PLACE
 5'X5'X314' RC BOX CULVERT
 15° LT. FWD. SKEW
 RETAIN

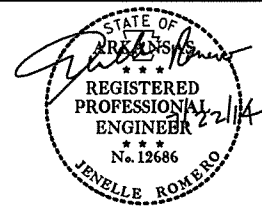
STA. 382+53
 BEGIN WRSF
 10' RT. OF CL MEDIAN
 END EXCEPTION

STA. 380+89 IN PLACE
 DBL. 8'X8'X354' RC BOX CULVERT
 15° RT. FWD. SKEW
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING
 UTILITIES PRIOR TO CONSTRUCTION. EXERCISE
 CARE AND PRECAUTION WHILE WORKING IN
 THESE AREAS.

PLAN SHEETS
 STA. 339+00 - STA. 399+00

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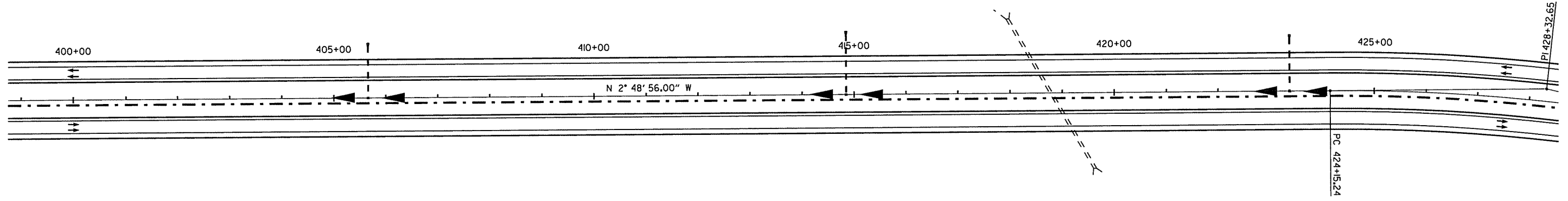
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							46	71

PLAN SHEETS

STA. 405+66 IN PLACE
24"X98' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-11"
RETAIN

STA. 414+85 IN PLACE
24"X114' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=8'-10"
RETAIN

STA. 423+38 IN PLACE
24"X101' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-2"
RETAIN



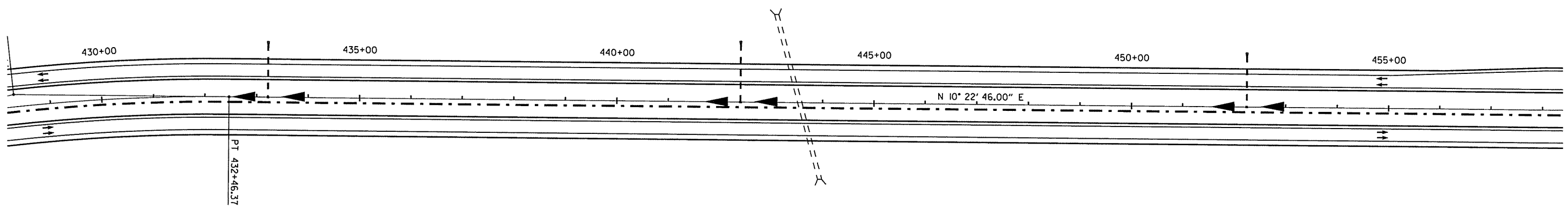
STA. 418+78 IN PLACE
5X5'X333' RC BOX CULVERT
30° RT. FWD. SKEW
RETAIN

P.I. = 428+32.65
Δ = 13° 11' 42.00" (RT)
D = 1° 35' 15.41"
T = 417.41
L = 831.12
R = 3,608.93

STA. 433+22 IN PLACE
24"X101' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-3"
RETAIN

STA. 442+41 IN PLACE
24"X111' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=4'-11"
RETAIN

STA. 452+25 IN PLACE
24"X98' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-3"
RETAIN



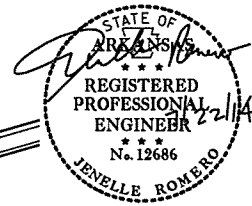
STA. 443+55 IN PLACE
8X6'X331' RC BOX CULVERT
15° RT. FWD. SKEW
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

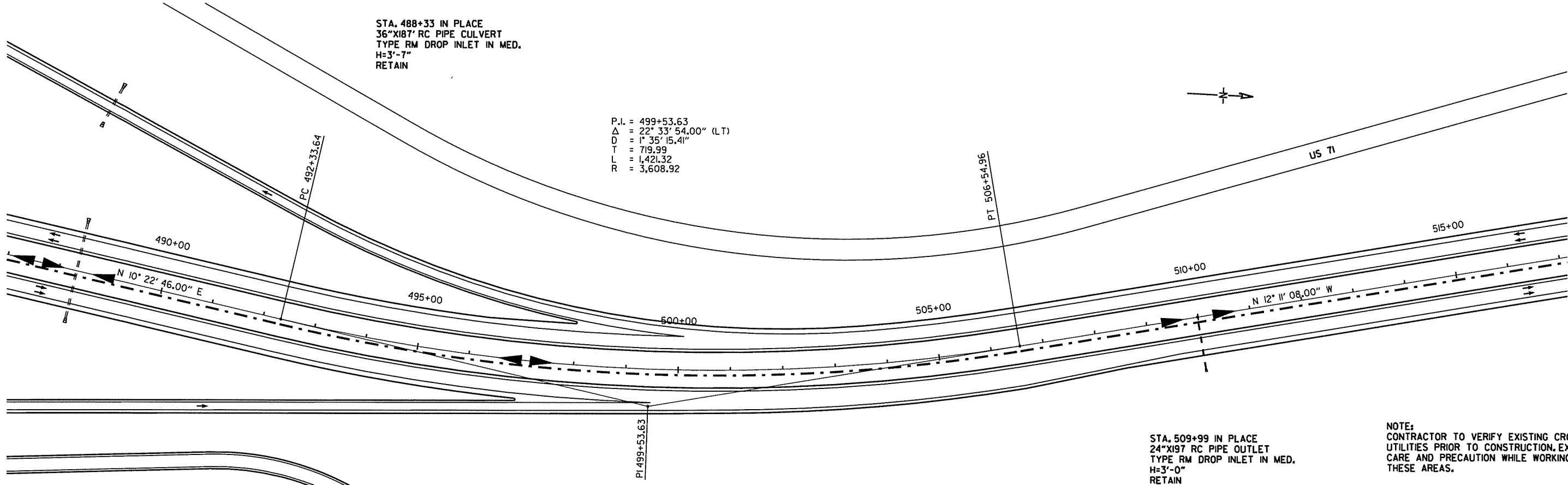
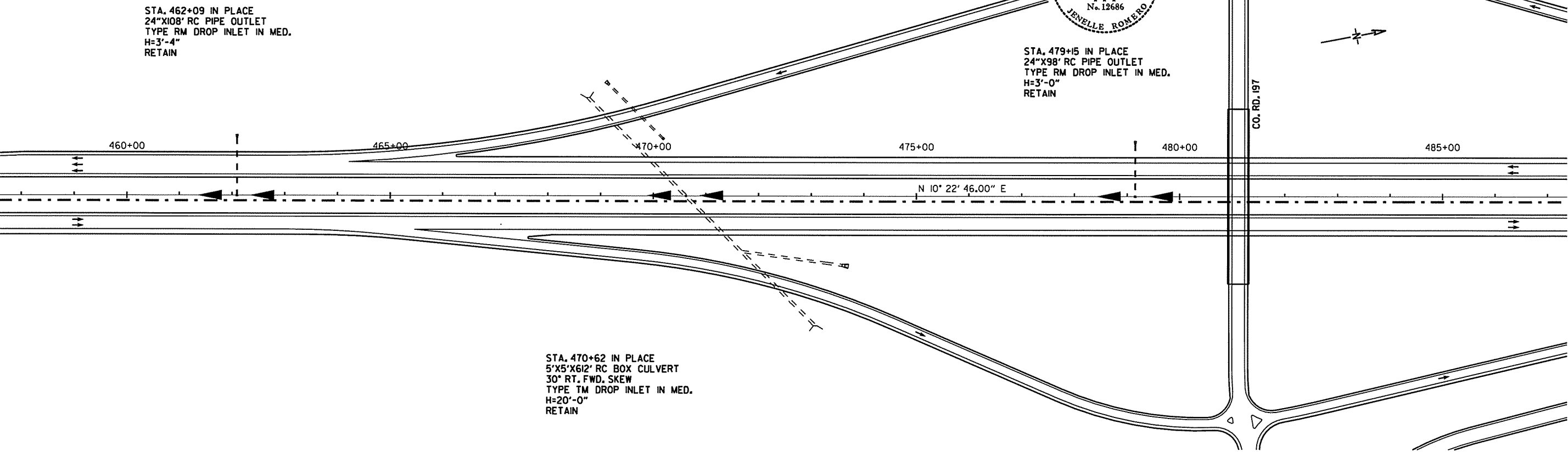
PLAN SHEETS
STA. 399+00 - STA. 458+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							47	71

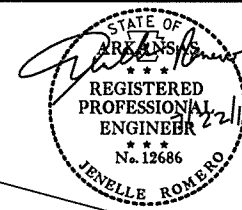


STA. 509+99 IN PLACE
24" X 197 RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-0"
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION, EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

PLAN SHEETS
STA. 458+00 - STA. 517+00

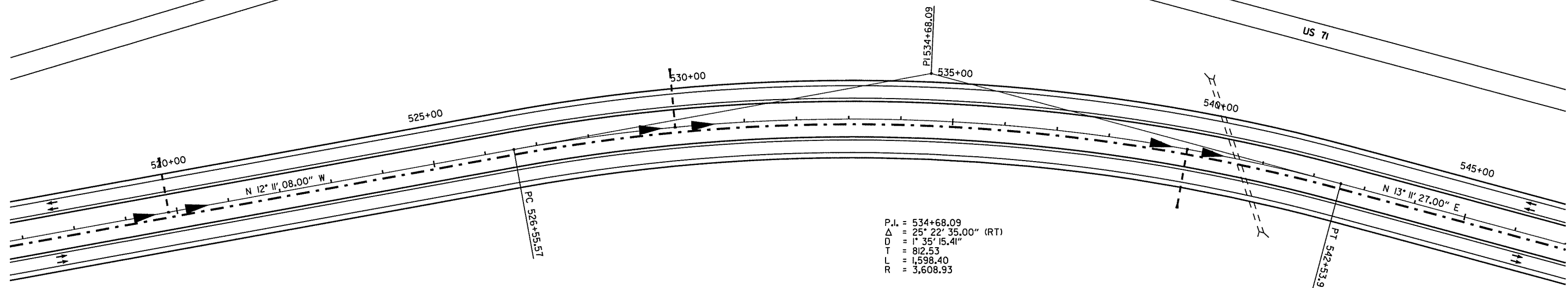
7/21/2014 11:27:32 AM P:\00038109\CA00\PAVA\HW\549-7.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	48	71
				JOB NO.		030435	48	71
PLAN SHEETS								

STA. 519+83 IN PLACE
24"X98' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-11"
RETAIN

STA. 529+68 IN PLACE
24"X106' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=3'-10"
RETAIN



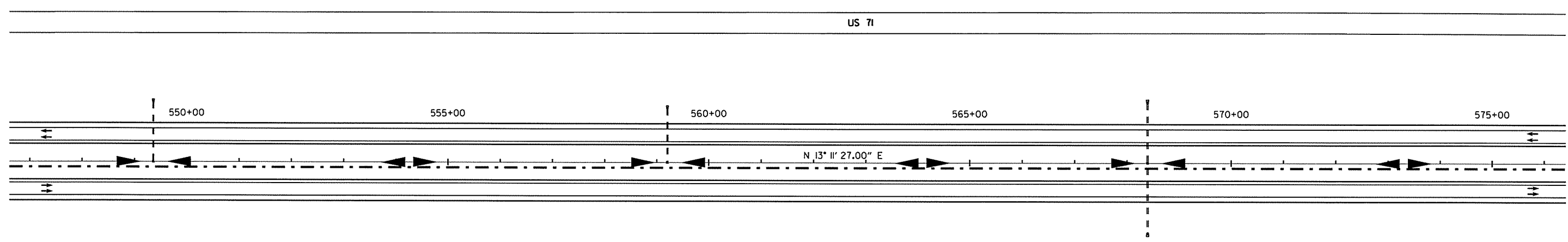
P.I. = 534+68.09
Δ = 25° 22' 35.00" (RT)
D = 1' 35' 15.41"
T = 812.53
L = 1,598.40
R = 3,608.93

STA. 539+52 IN PLACE
24"X107' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=7'-5"
RETAIN

STA. 540+50 IN PLACE
8'X7'X309' RC BOX CULVERT
30° RT, FWD, SKEW
RETAIN

STA. 549+36 IN PLACE
24"X113' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=6'-8"
RETAIN

STA. 559+20 IN PLACE
24"X101' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-10"
RETAIN

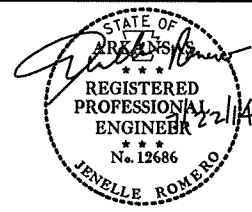


STA. 568+39 IN PLACE
30"X247' RC PIPE CULVERT
TYPE RM DROP INLET IN MED.
H=9'-7"
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 517+00 - STA. 576+00

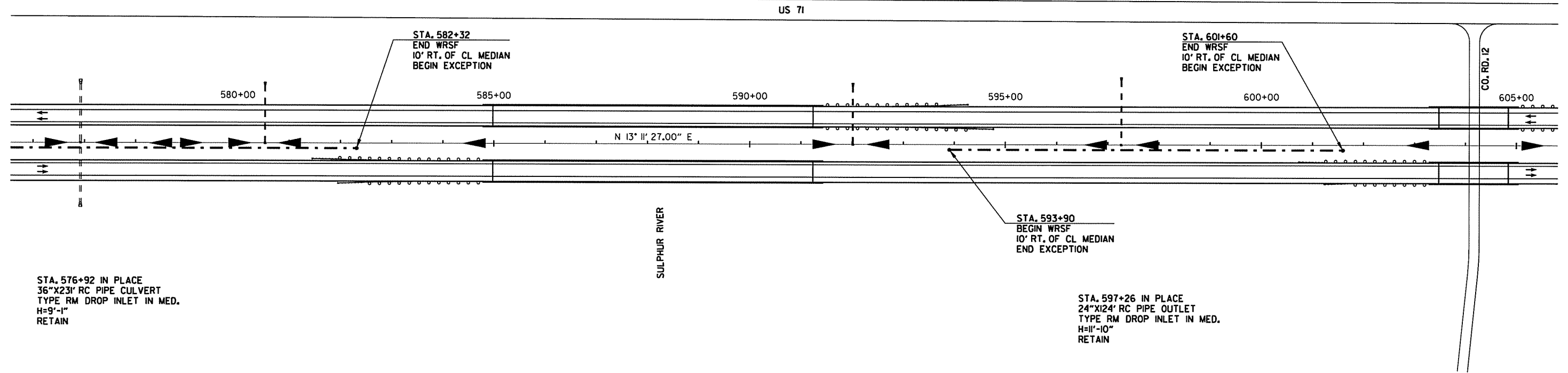
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							49	71

STA. 580+53 IN PLACE
24"X18" RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=6'-2"
RETAIN

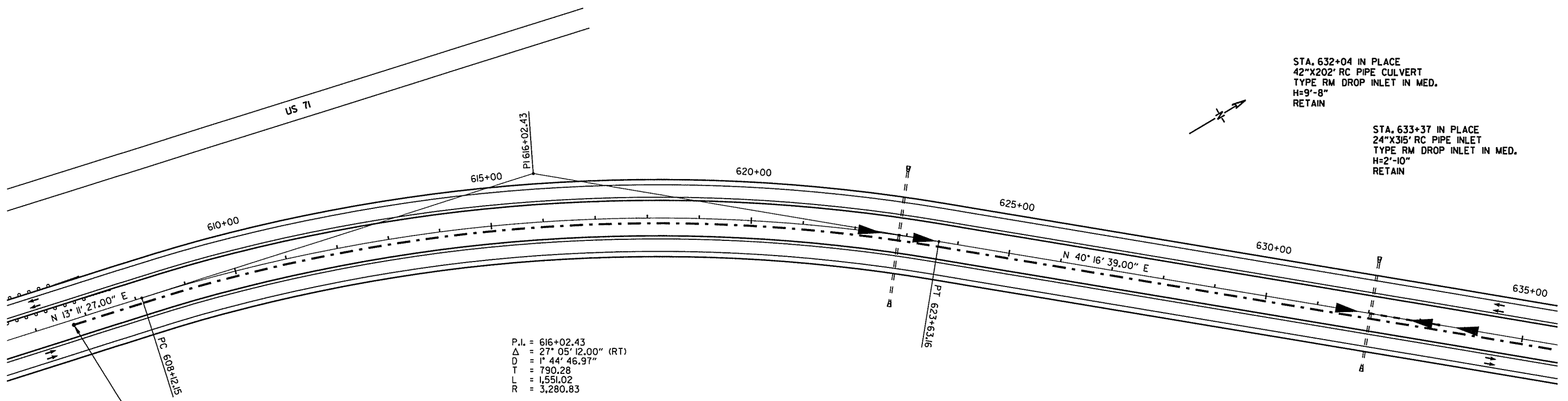
STA. 592+01 IN PLACE
24"X12' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=5'-7"
RETAIN



STA. 576+92 IN PLACE
36"X23' RC PIPE CULVERT
TYPE RM DROP INLET IN MED.
H=9'-1"
RETAIN

STA. 593+90
BEGIN WRSF
10' RT. OF CL MEDIAN
END EXCEPTION

STA. 597+26 IN PLACE
24"X24' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=11'-10"
RETAIN



STA. 606+72
BEGIN WRSF
10' RT. OF CL MEDIAN
END EXCEPTION

STA. 622+85 IN PLACE
42"X252' RC PIPE CULVERT
TYPE RM DROP INLET IN MED.
H=14'-8"
RETAIN

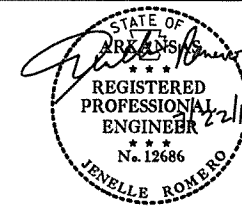
STA. 632+04 IN PLACE
42"X202' RC PIPE CULVERT
TYPE RM DROP INLET IN MED.
H=9'-8"
RETAIN

STA. 633+37 IN PLACE
24"X315' RC PIPE INLET
TYPE RM DROP INLET IN MED.
H=2'-10"
RETAIN

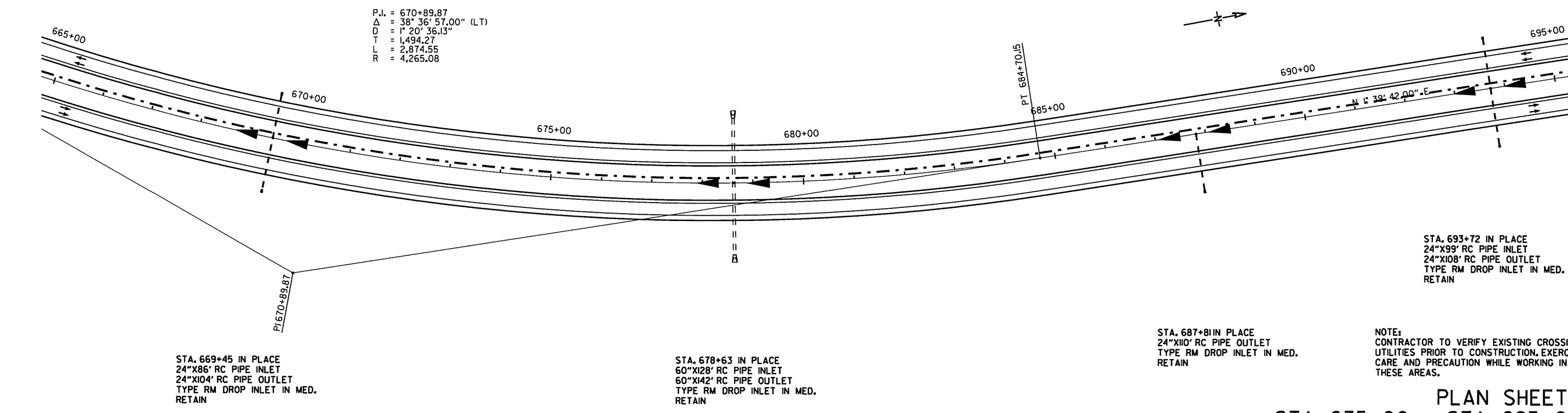
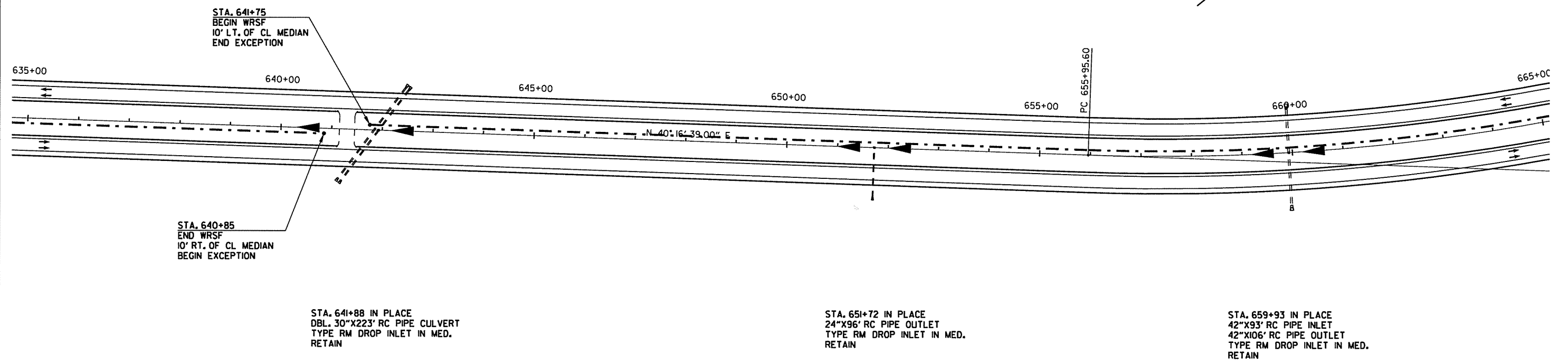
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 576+00 - STA. 635+00

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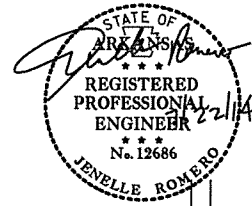
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
				6	ARK.				
							JOB NO. 030435	50	71
PLAN SHEETS									



NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

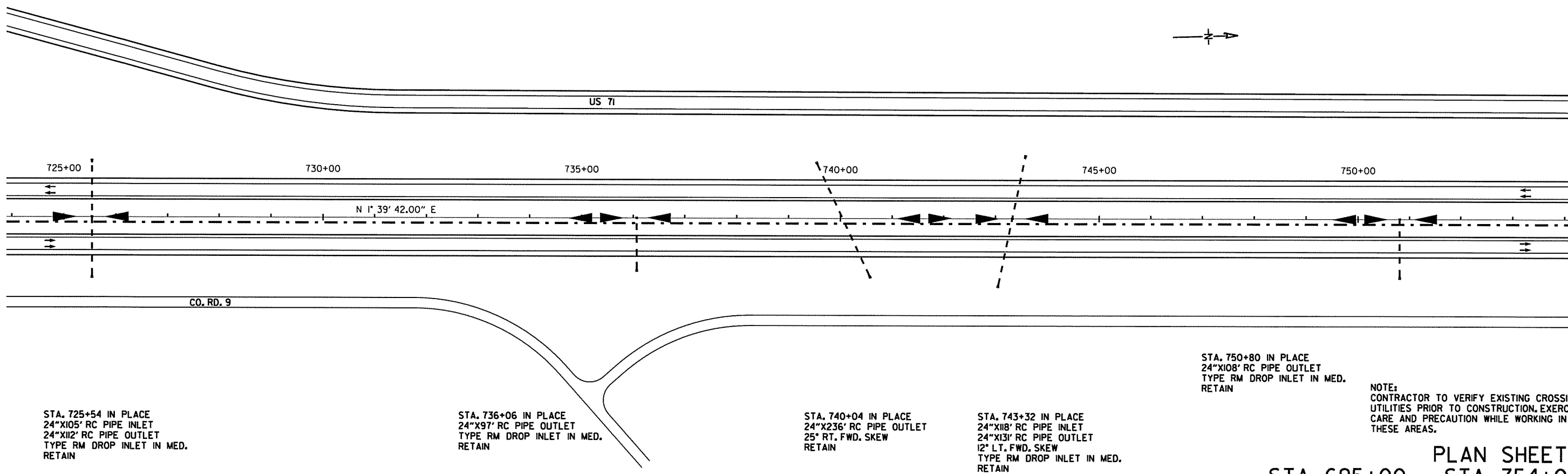
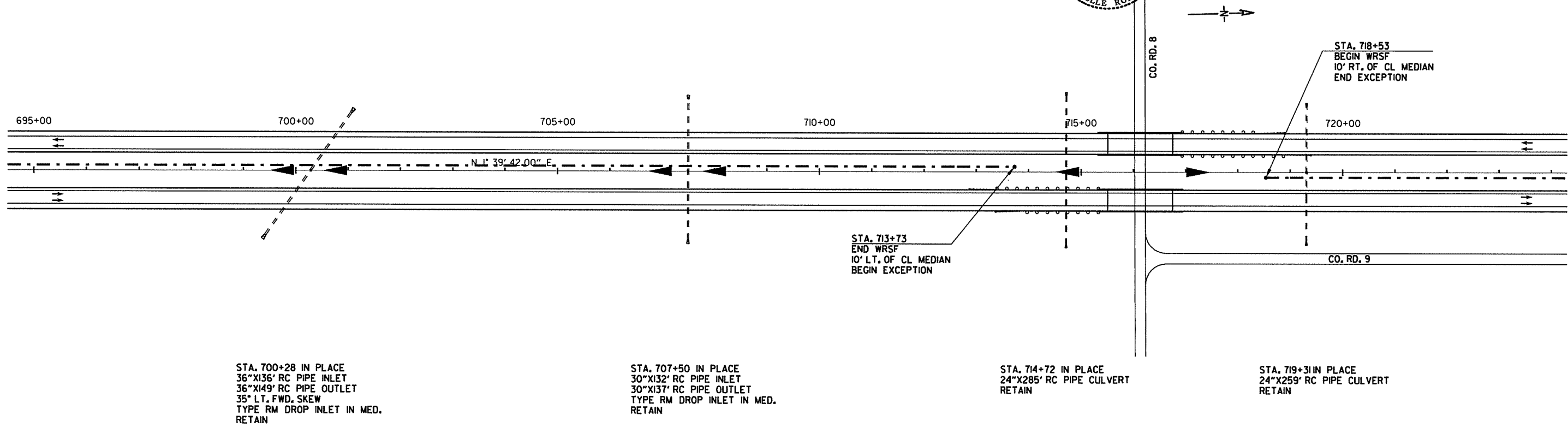
PLAN SHEETS
STA. 635+00 - STA. 695+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							51	71

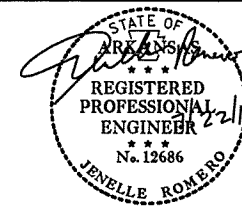
PLAN SHEETS



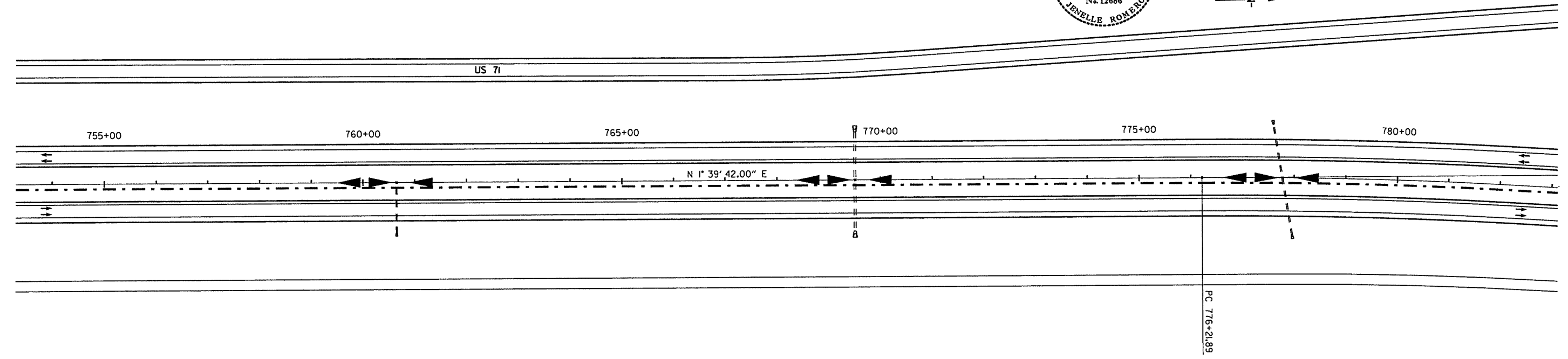
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 695+00 - STA. 754+00

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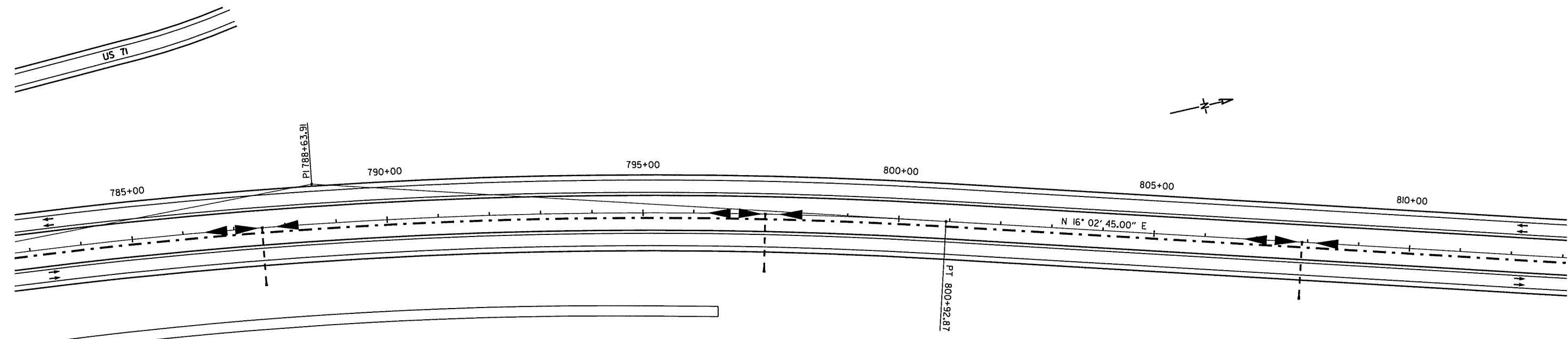
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AD PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	52	71
				JOB NO.		030435	52	71
PLAN SHEETS								



STA. 760+65 IN PLACE
24"X97' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

STA. 769+50 IN PLACE
48"X93' RC PIPE INLET
48"X99' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

STA. 777+77 IN PLACE
30"X110' RC PIPE INLET
30"X115' RC PIPE OUTLET
10° RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
RETAIN



P.I. = 788+63.91
Δ = 14° 23' 03.00" (RT)
D = 0° 34' 55.65"
T = 1,242.02
L = 2,470.98
R = 9,842.54

STA. 787+55 IN PLACE
24"X107' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

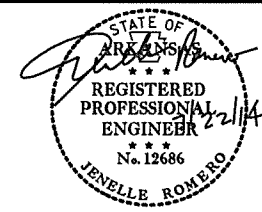
STA. 797+39 IN PLACE
24"X106' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

STA. 807+89 IN PLACE
24"X104' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

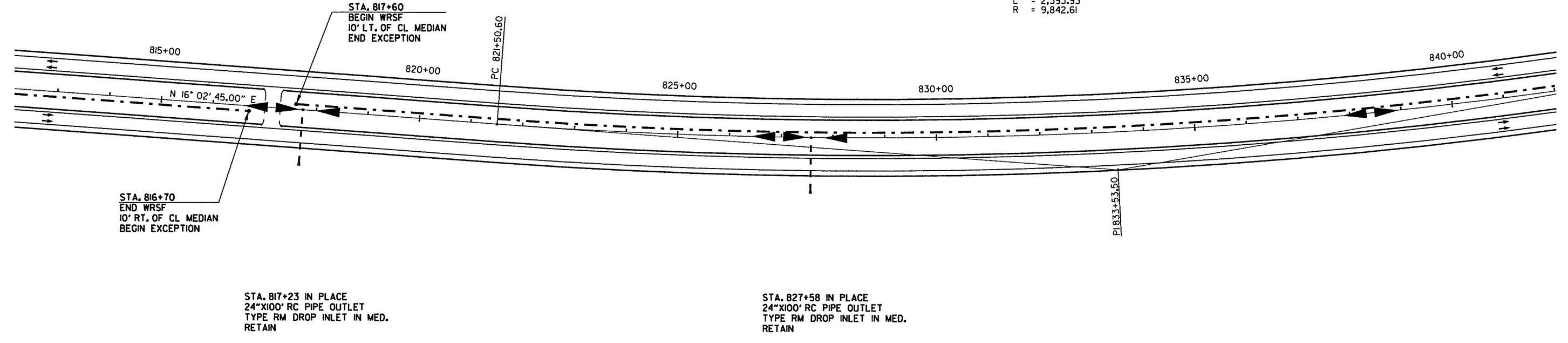
PLAN SHEETS
STA. 754+00 - STA. 813+00

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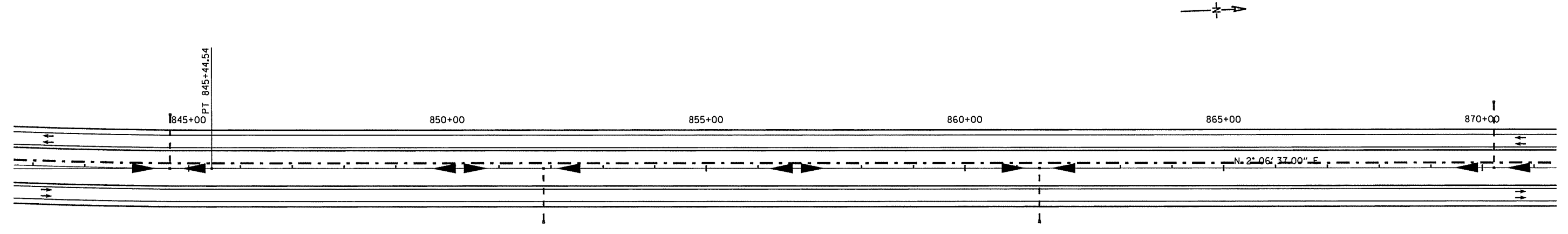
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		030435	53	71
PLAN SHEETS								

P.I. = 833+53.50
 Δ = 13° 56' 08.00" (LT)
 D = 0° 34' 55.63"
 T = 1,202.90
 L = 2,393.93
 R = 9,842.61



STA. 817+23 IN PLACE
 24"x100' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN

STA. 827+58 IN PLACE
 24"x100' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN



STA. 844+64 IN PLACE
 24"x97' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN

STA. 851+85 IN PLACE
 24"x98' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN

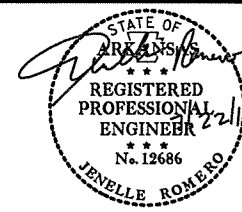
STA. 861+43 IN PLACE
 24"x97' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN

STA. 870+23 IN PLACE
 24"x121' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
 STA. 813+00 - STA. 871+00

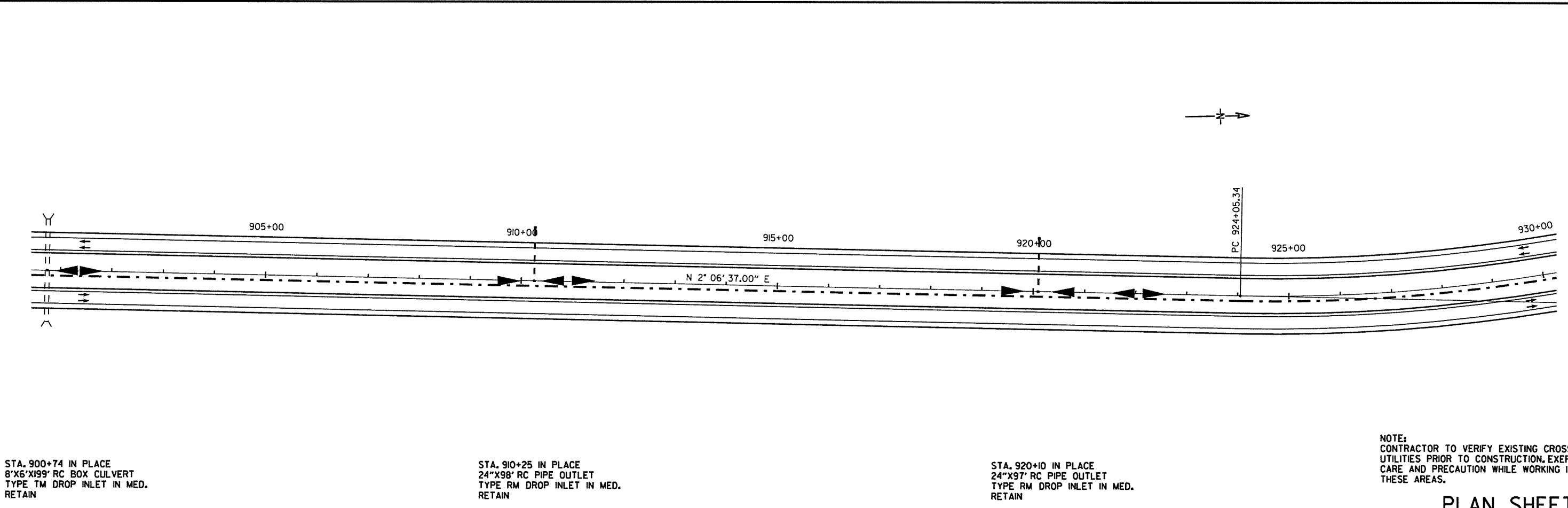
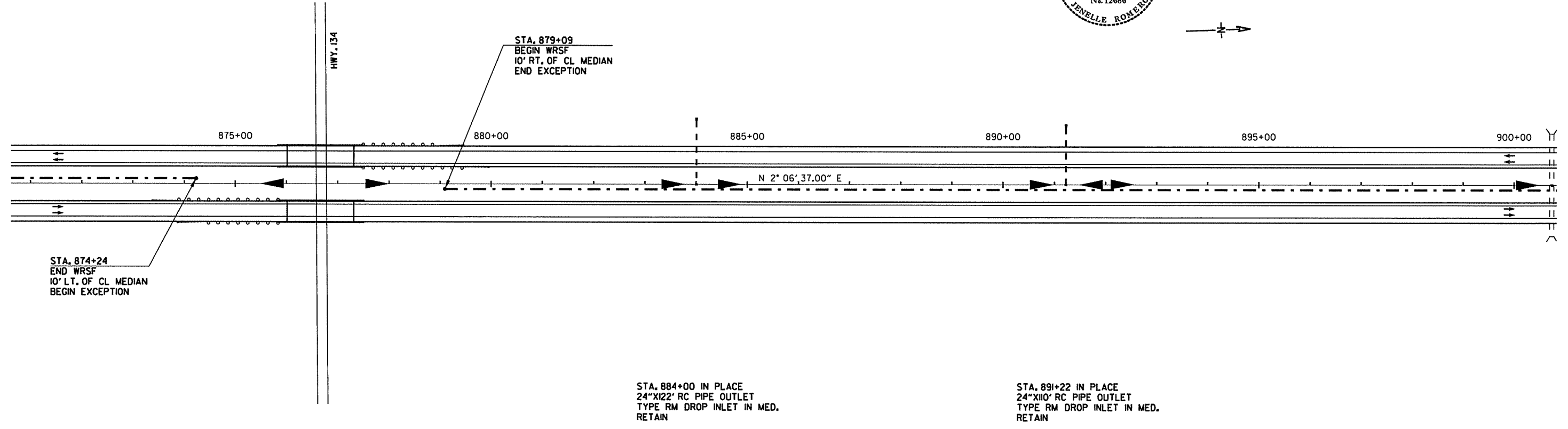
7/21/2014 11:27:54 AM P:\00038109\CAADD\PAV\HWY549-13.dgn



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED

FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.			
JOB NO. 030435			54	71

PLAN SHEETS



STA. 900+74 IN PLACE
8'X6'X199' RC BOX CULVERT
TYPE TM DROP INLET IN MED.
RETAIN

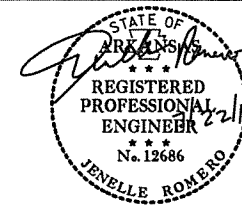
STA. 910+25 IN PLACE
24\"X98' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

STA. 920+10 IN PLACE
24\"X97' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

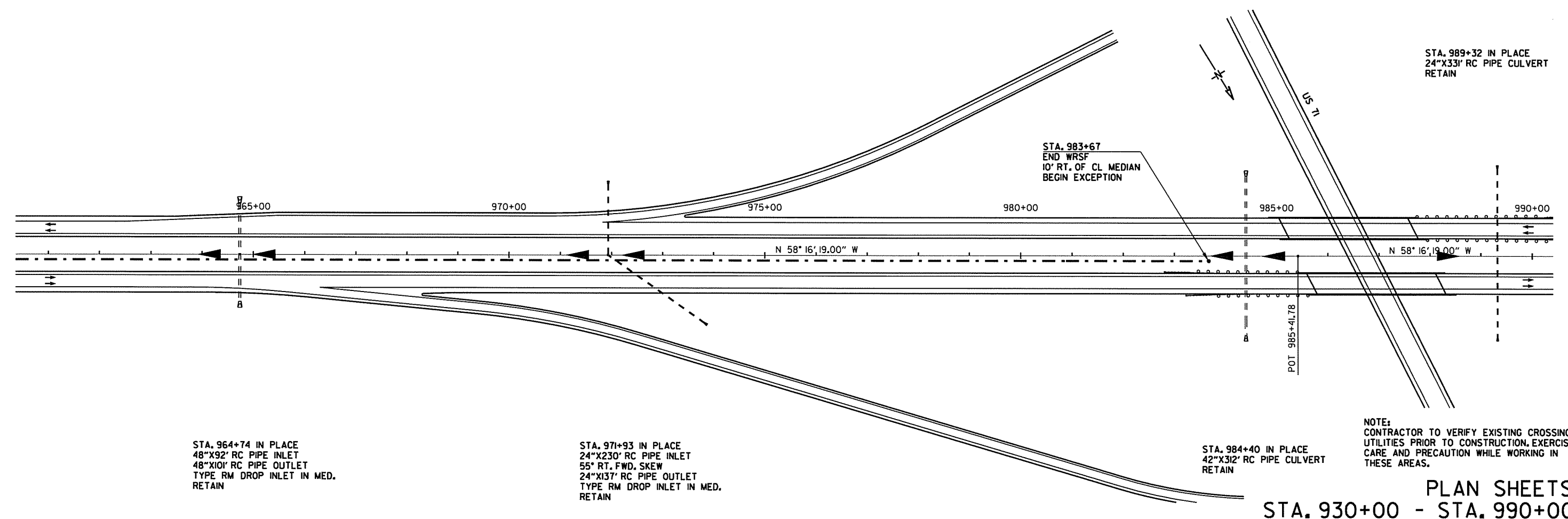
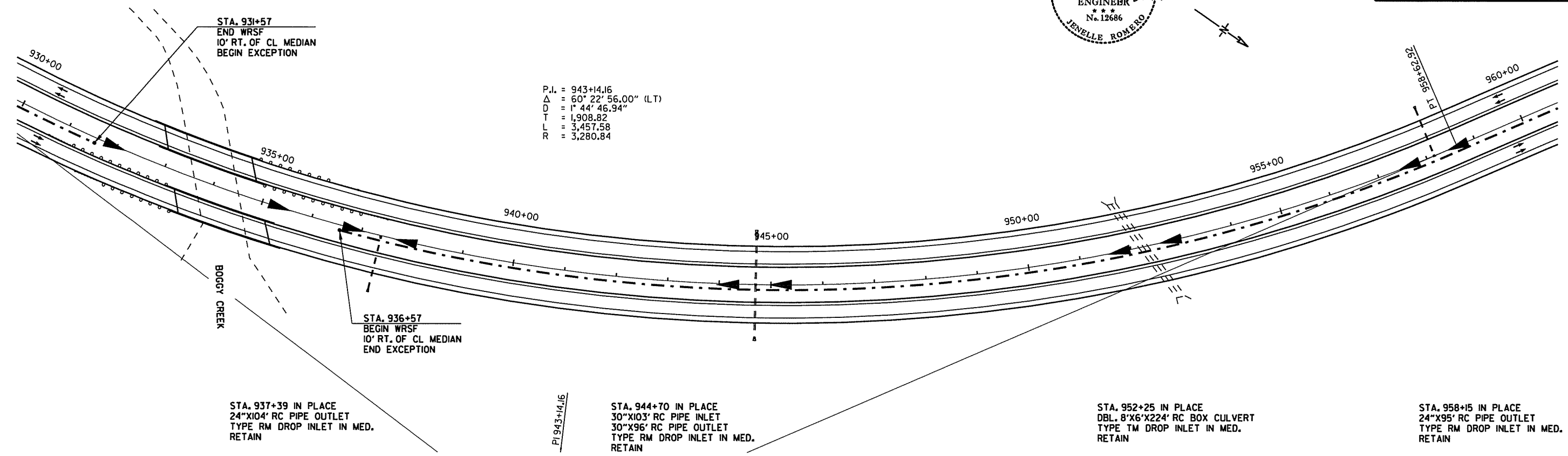
PLAN SHEETS
STA. 871+00 - STA. 930+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							55	71

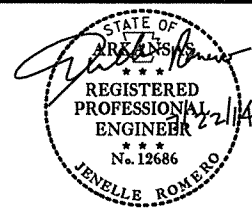
PLAN SHEETS



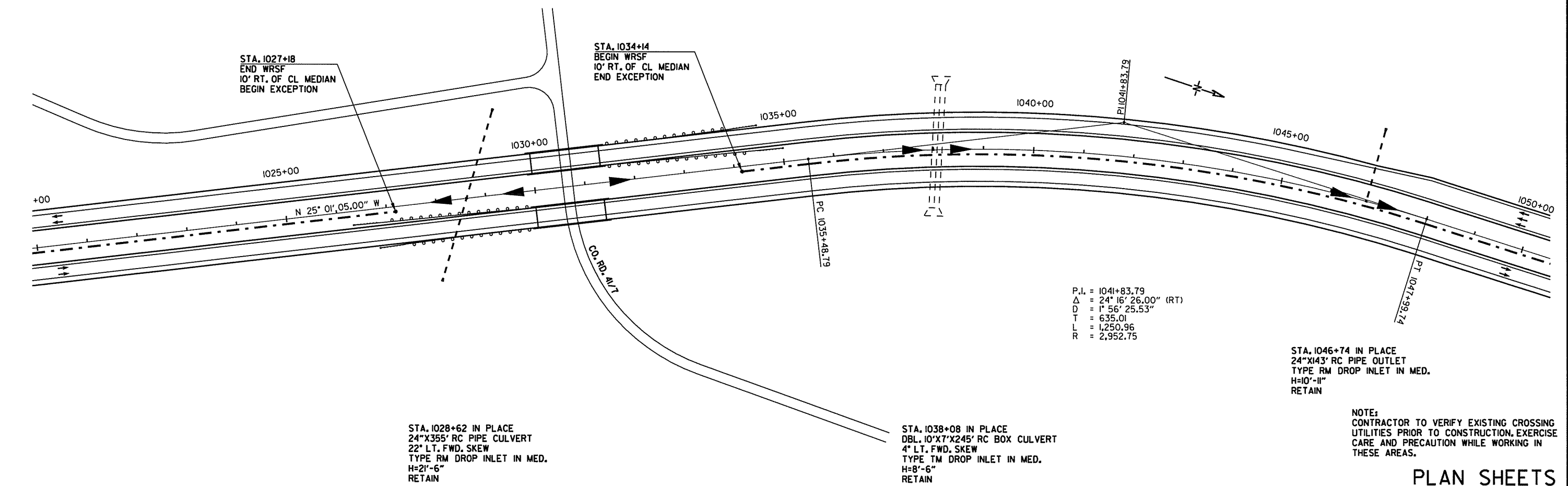
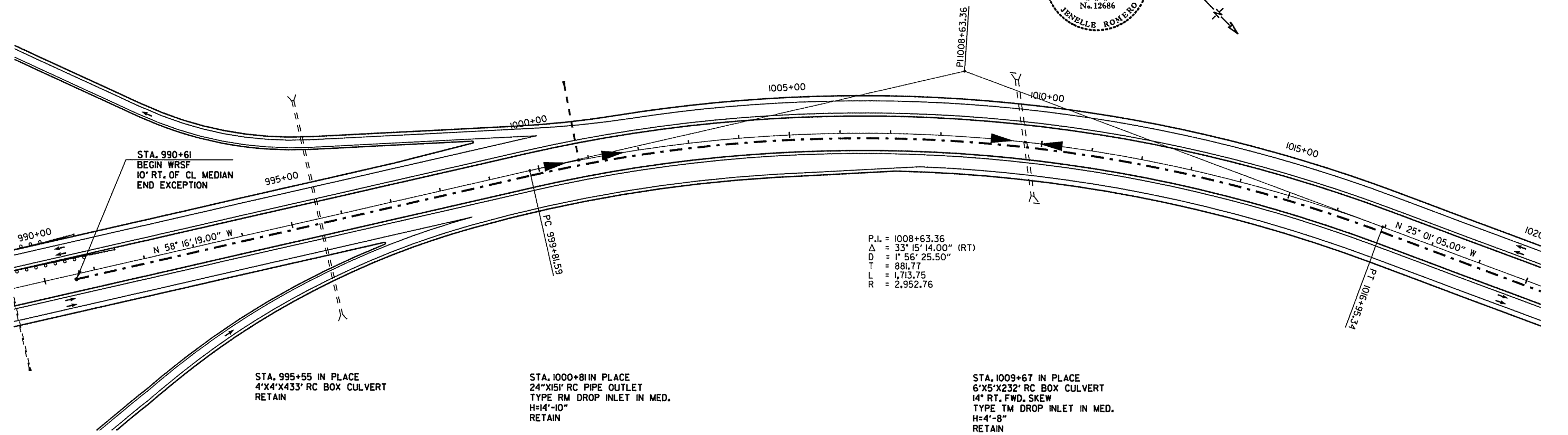
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 930+00 - STA. 990+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							56	71
PLAN SHEETS								



NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

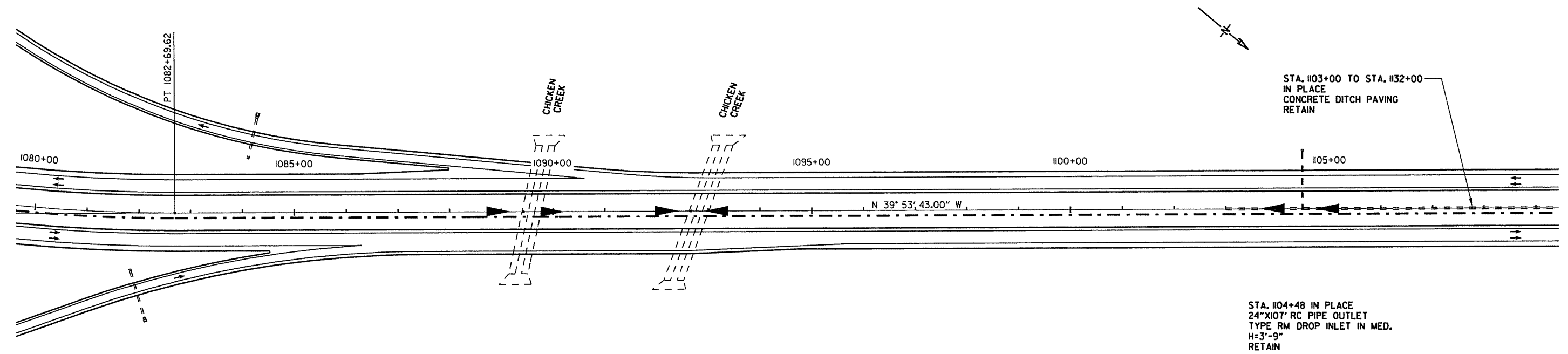
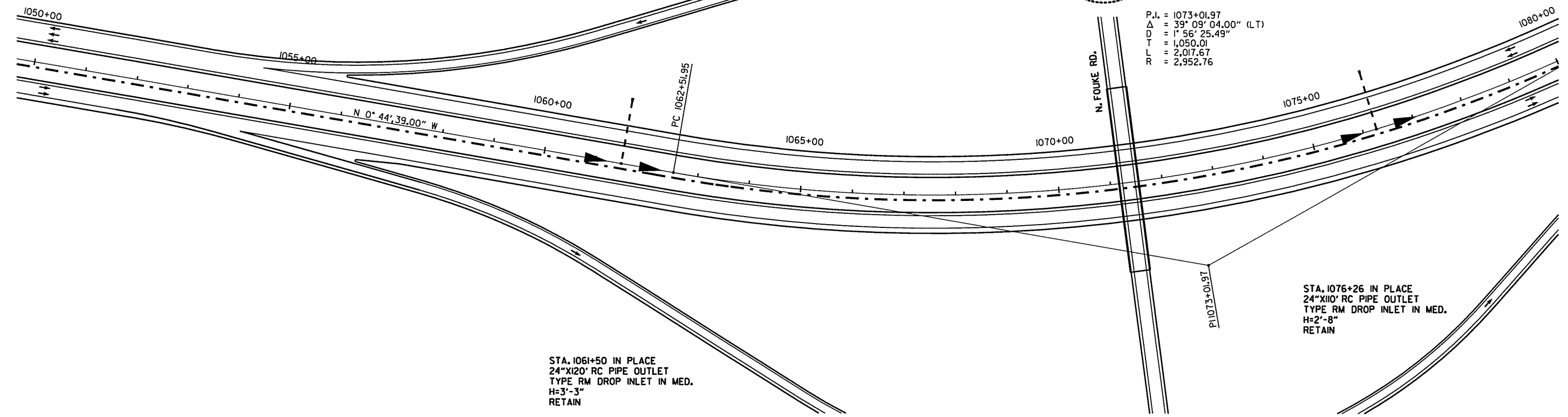
PLAN SHEETS
STA. 990+00 - STA. 1050+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							57	71

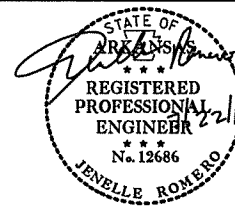
PLAN SHEETS



NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 1050+00 - STA. 1109+00

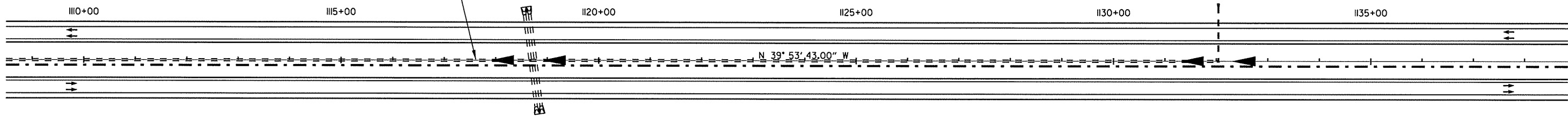
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							58	71

PLAN SHEETS

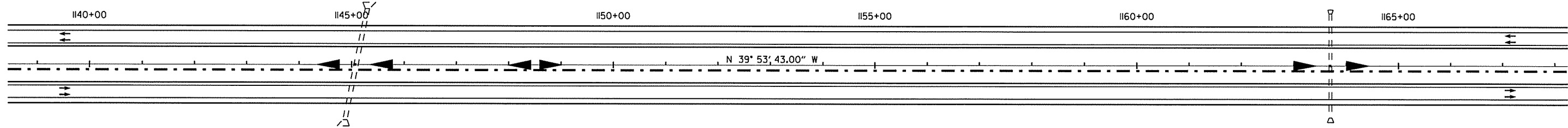
STA. 1103+00 TO STA. 1132+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN



STA. 1118+72 IN PLACE
58\"X36\"X180' RC ARCH PIPE CULVERT
7' RT. FWD. SKEW
TYPE RM DROP INLET IN MED.
H=3'-10\"
RETAIN

STA. 1132+04 IN PLACE
24\"X104' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-6\"
RETAIN

CO. RD. 41



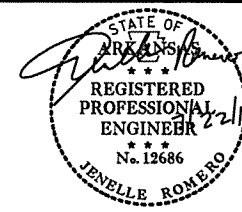
STA. 1145+08 IN PLACE
8\"X5\"X216' RC BOX CULVERT
11' LT. FWD. SKEW
TYPE TM DROP INLET IN MED.
H=3'-10\"
RETAIN

STA. 1163+70 IN PLACE
64\"X40\"X197' RC ARCH PIPE CULVERT
TYPE RM DROP INLET IN MED.
H=3'-8\"
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION. EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

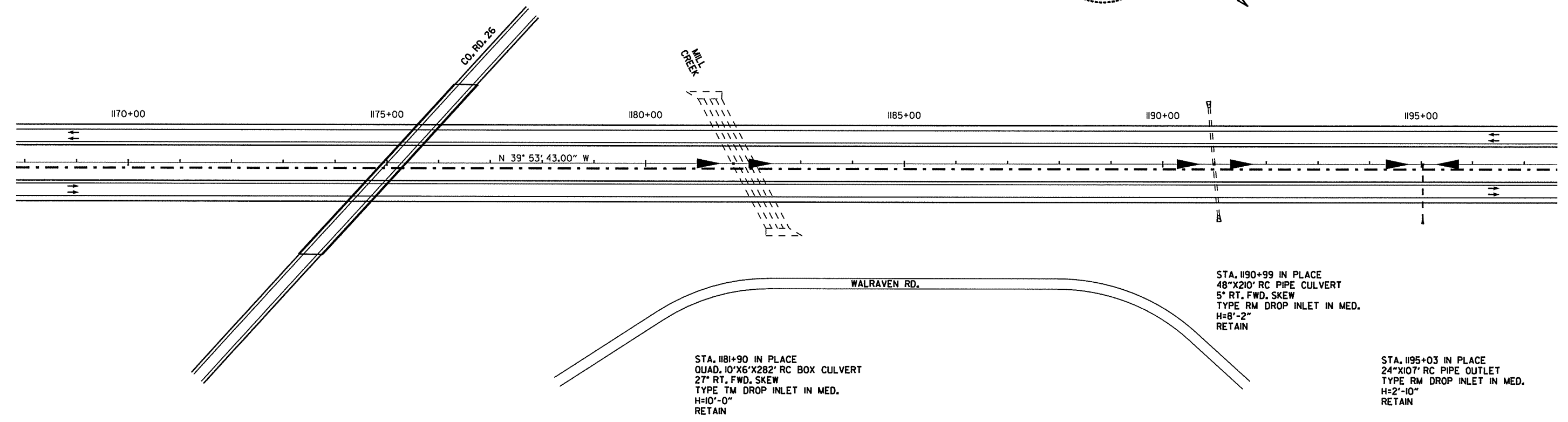
PLAN SHEETS
STA. 1109+00 - STA. 1168+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							59	71

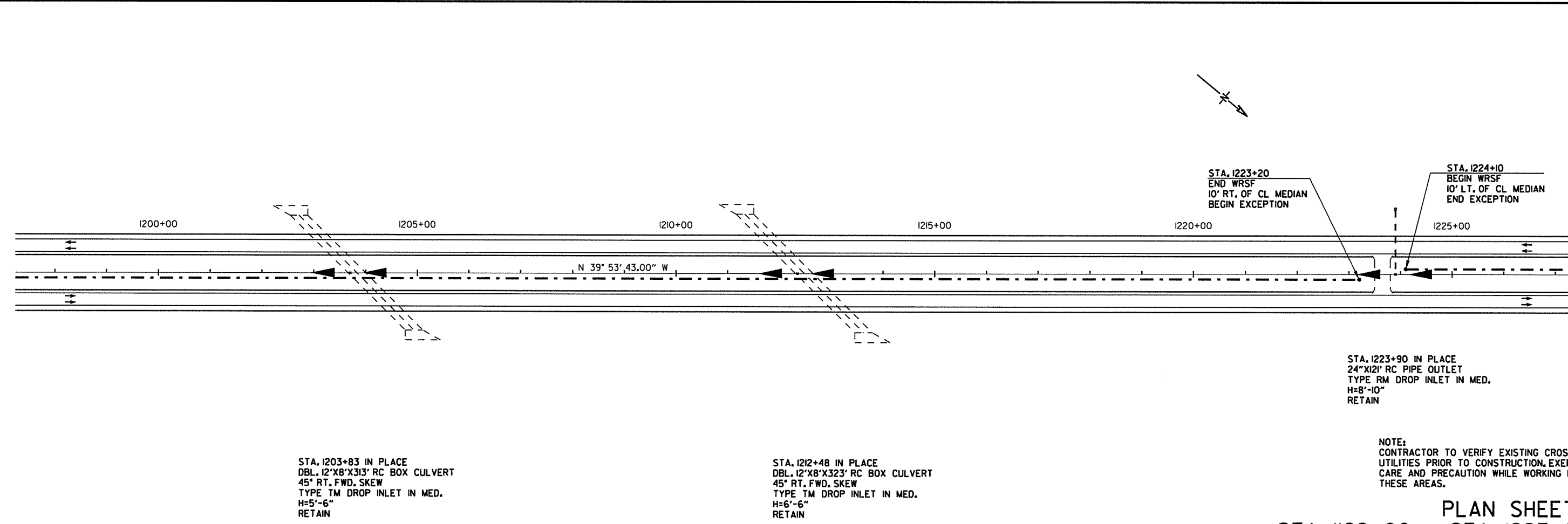
PLAN SHEETS



STA. 1181+90 IN PLACE
 QUAD. 10'X6'X282' RC BOX CULVERT
 27° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=10'-0"
 RETAIN

STA. 1190+99 IN PLACE
 48"X210' RC PIPE CULVERT
 5° RT. FWD. SKEW
 TYPE RM DROP INLET IN MED.
 H=8'-2"
 RETAIN

STA. 1195+03 IN PLACE
 24"X107' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=2'-10"
 RETAIN



STA. 1203+83 IN PLACE
 DBL. 12'X8'X313' RC BOX CULVERT
 45° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=5'-6"
 RETAIN

STA. 1212+48 IN PLACE
 DBL. 12'X8'X323' RC BOX CULVERT
 45° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=6'-6"
 RETAIN

STA. 1223+20
 END WRSF
 10' RT. OF CL MEDIAN
 BEGIN EXCEPTION

STA. 1224+10
 BEGIN WRSF
 10' LT. OF CL MEDIAN
 END EXCEPTION

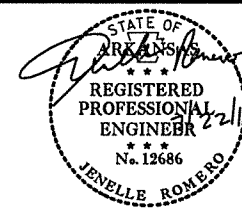
STA. 1223+90 IN PLACE
 24"X121' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=8'-10"
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
 STA. 1168+00 - STA. 1227+00

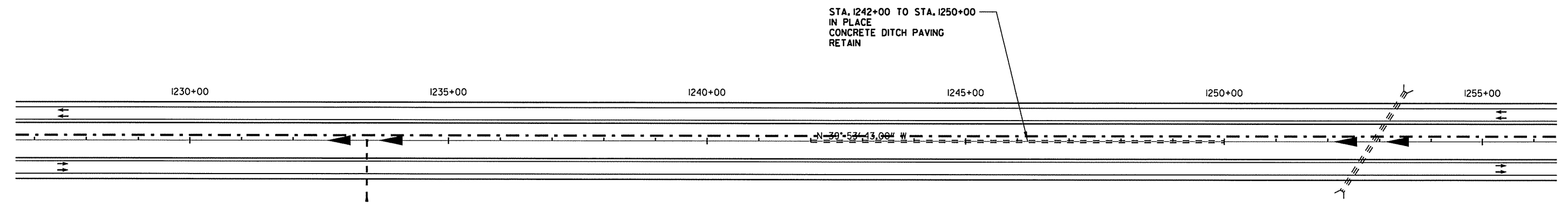
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							60	71

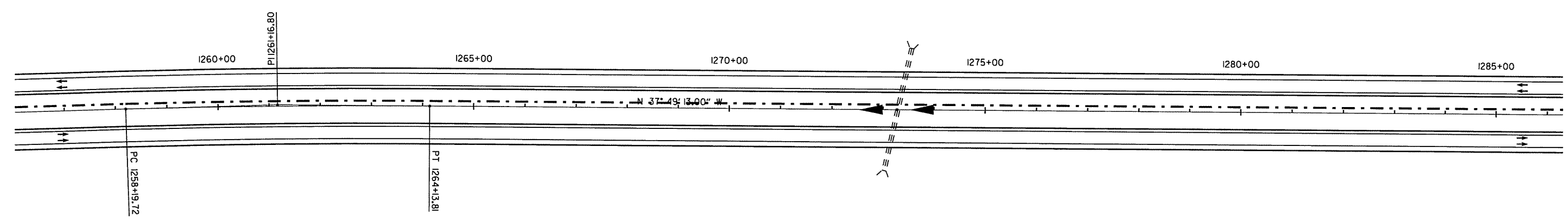
PLAN SHEETS



STA. 1242+00 TO STA. 1250+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN

STA. 1233+42 IN PLACE
24"x110" RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-6"
RETAIN

STA. 1252+88 IN PLACE
DBL. 4'x4'x227' RC BOX CULVERT
32° LT. FWD. SKEW
TYPE TM DROP INLET IN MED.
H=0'-8"
RETAIN



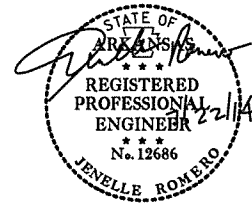
STA. 1273+29 IN PLACE
DBL. 4'x4'x245' RC BOX CULVERT
12° LT. FWD. SKEW
TYPE TM DROP INLET IN MED.
H=8'-4"
RETAIN

P.I. = 1261+16.80
Δ = 2° 04' 30.00" (RT)
D = 0° 20' 57.39"
T = 297.08
L = 594.09
R = 16,404.21

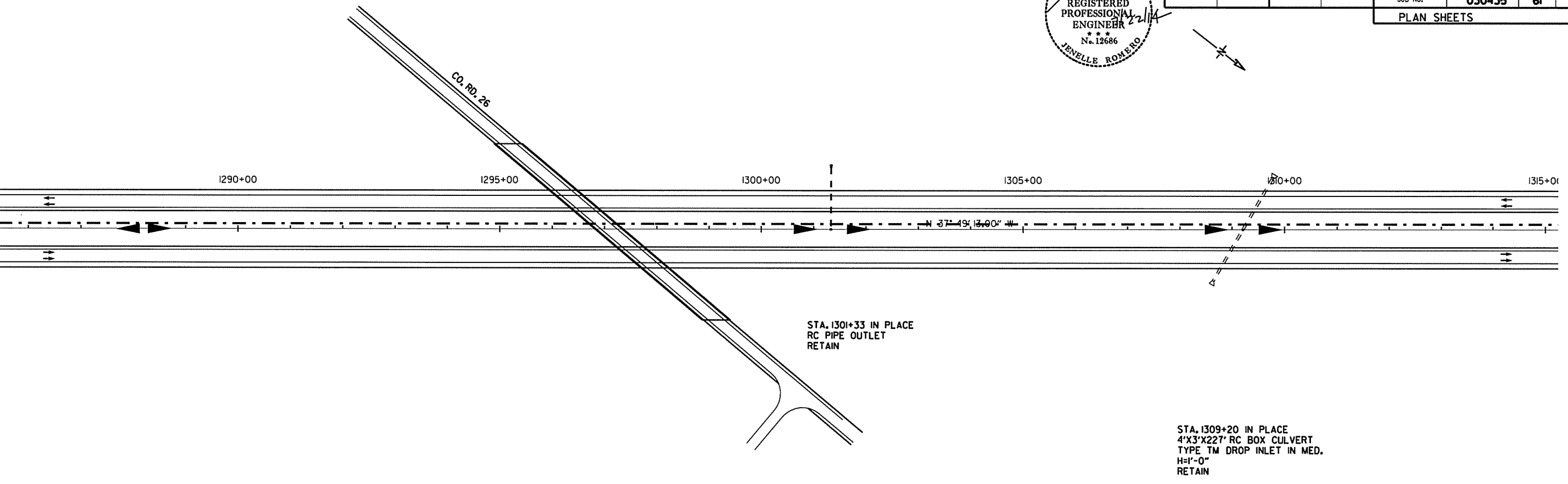
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 1227+00 - STA. 1286+00

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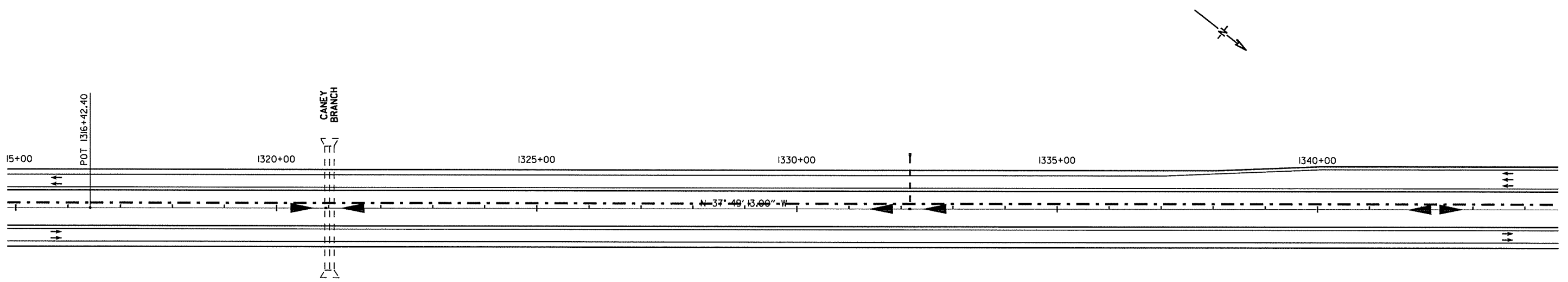


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							61	71



STA. 1301+33 IN PLACE
RC PIPE OUTLET
RETAIN

STA. 1309+20 IN PLACE
4'X3'X227' RC BOX CULVERT
TYPE TM DROP INLET IN MED.
H=1'-0"
RETAIN



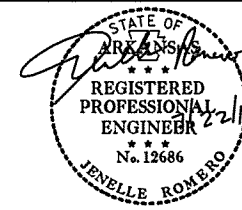
STA. 1321+02 IN PLACE
DBL. 9'X5'X238' RC BOX CULVERT
TYPE TM DROP INLET IN MED.
H=6'-4"
RETAIN

STA. 1332+17 IN PLACE
24\"X99' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=2'-6"
RETAIN

NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION. EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

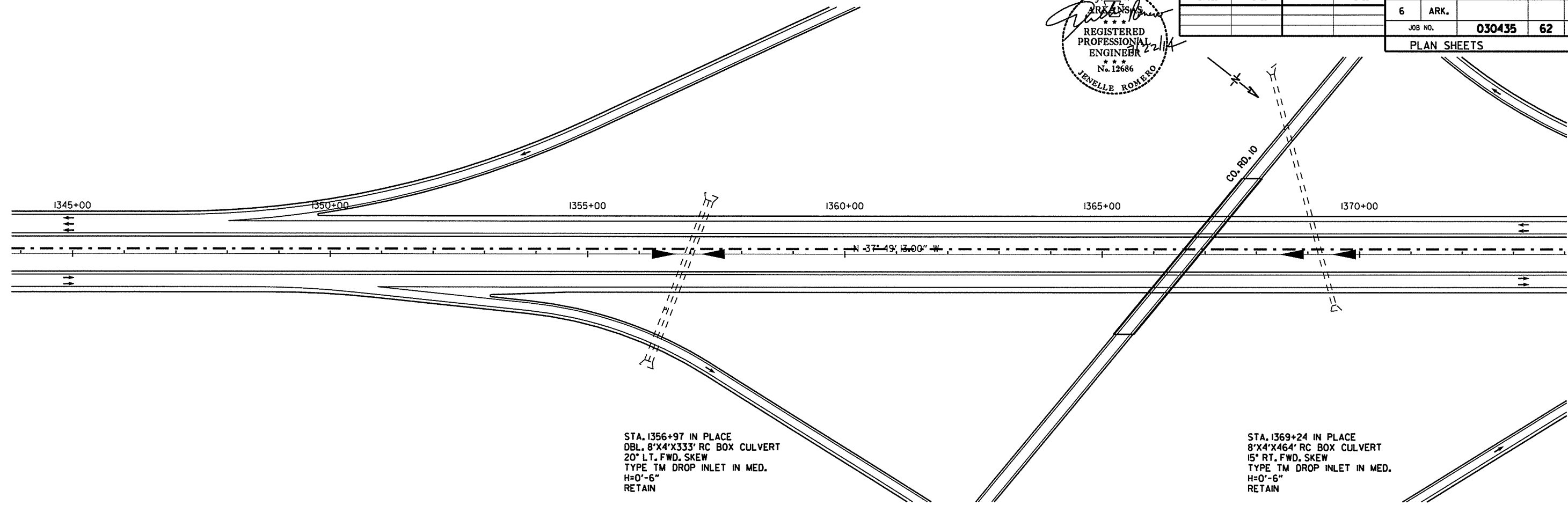
PLAN SHEETS
STA. 1286+00 - STA. 1344+00

7/21/2014 11:27:39 AM P:\10003809\CA00\PAV\HW\545-21.dgn



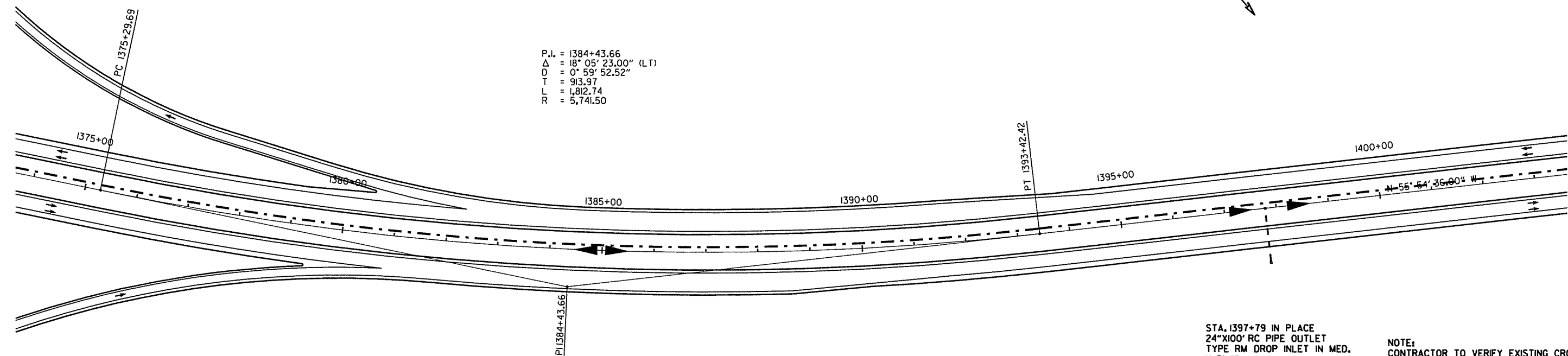
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	62	71
				JOB NO.		030435	62	71

PLAN SHEETS



STA. 1356+97 IN PLACE
 DBL. 8'X4'X333' RC BOX CULVERT
 20° LT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=0'-6"
 RETAIN

STA. 1369+24 IN PLACE
 8'X4'X464' RC BOX CULVERT
 15° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=0'-6"
 RETAIN



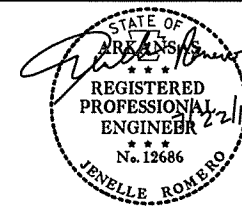
P.I. = 1384+43.66
 Δ = 18° 05' 23.00" (LT)
 D = 0° 59' 52.52"
 T = 913.97
 L = 1,812.74
 R = 5,741.50

STA. 1397+79 IN PLACE
 24"X100' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=2'-11"
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION. EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

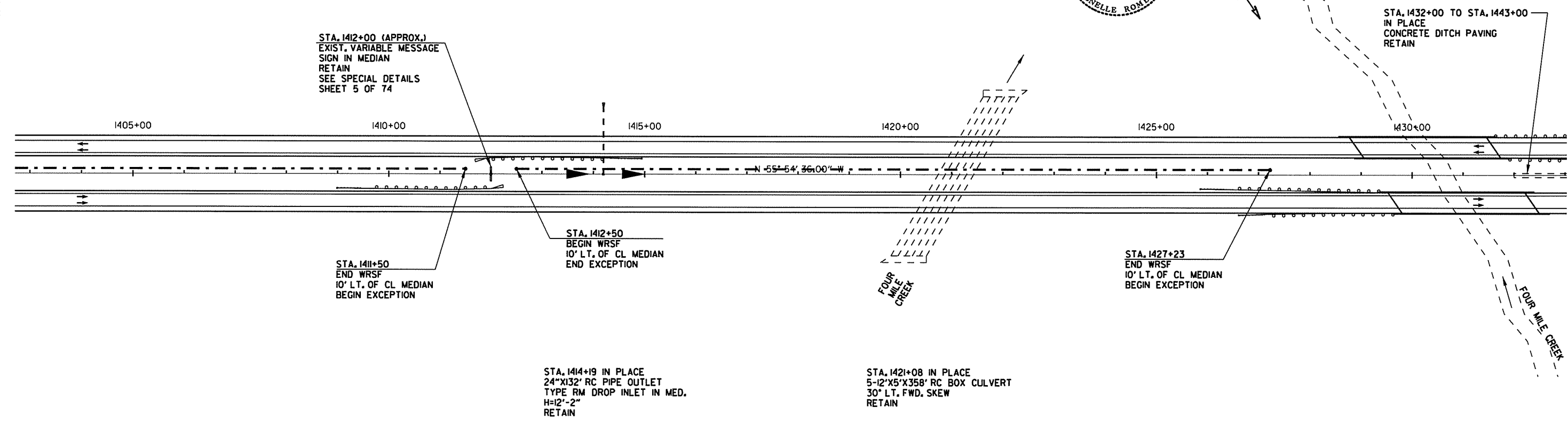
PLAN SHEETS
 STA. 1344+00 - STA. 1403+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							63	71

PLAN SHEETS



STA. 1412+00 (APPROX.)
EXIST. VARIABLE MESSAGE
SIGN IN MEDIAN
RETAIN
SEE SPECIAL DETAILS
SHEET 5 OF 74

STA. 1411+50
END WRSF
10' LT. OF CL MEDIAN
BEGIN EXCEPTION

STA. 1412+50
BEGIN WRSF
10' LT. OF CL MEDIAN
END EXCEPTION

STA. 1414+19 IN PLACE
24\"X132' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=12'-2"
RETAIN

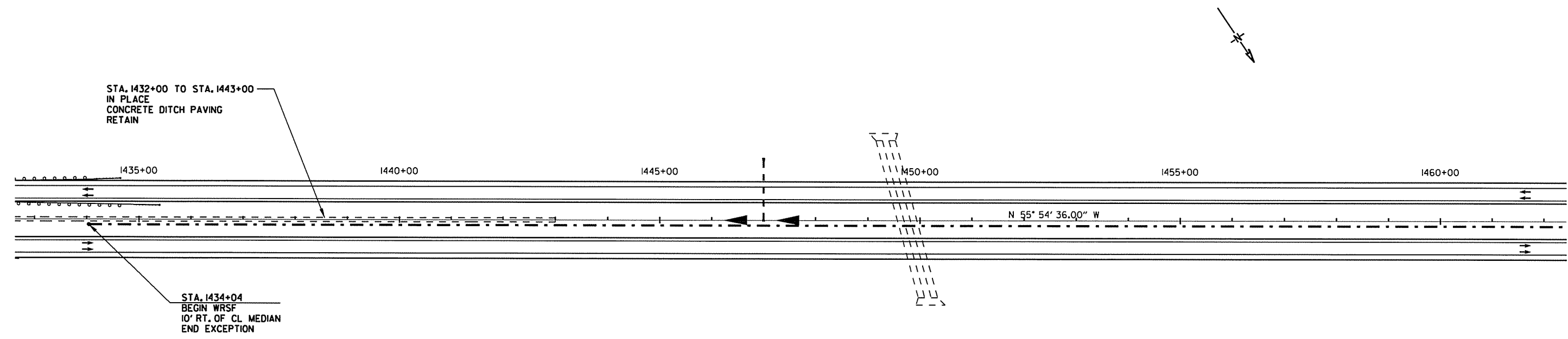
FOUR
MILE
CREEK

STA. 1421+08 IN PLACE
5-12\"X5'X358' RC BOX CULVERT
30' LT. FWD. SKEW
RETAIN

STA. 1427+23
END WRSF
10' LT. OF CL MEDIAN
BEGIN EXCEPTION

STA. 1432+00 TO STA. 1443+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN

FOUR
MILE
CREEK



STA. 1432+00 TO STA. 1443+00
IN PLACE
CONCRETE DITCH PAVING
RETAIN

STA. 1434+04
BEGIN WRSF
10' RT. OF CL MEDIAN
END EXCEPTION

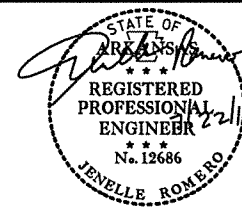
STA. 1447+00 IN PLACE
24\"X110' RC PIPE OUTLET
TYPE RM DROP INLET IN MED.
H=6'-3"
RETAIN

STA. 1449+75 IN PLACE
TRIPLE 12\"X6'X311' RC BOX CULVERT
15' RT. FWD. SKEW
RETAIN

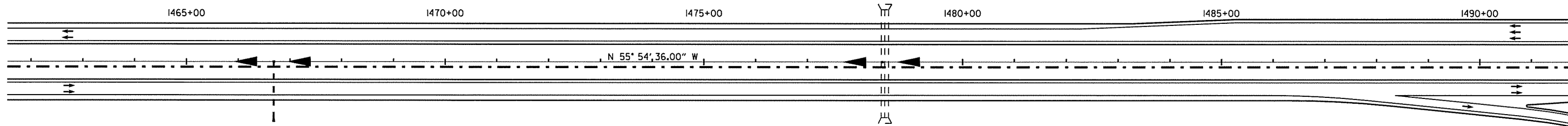
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING
UTILITIES PRIOR TO CONSTRUCTION, EXERCISE
CARE AND PRECAUTION WHILE WORKING IN
THESE AREAS.

PLAN SHEETS
STA. 1403+00 - STA. 1462+00

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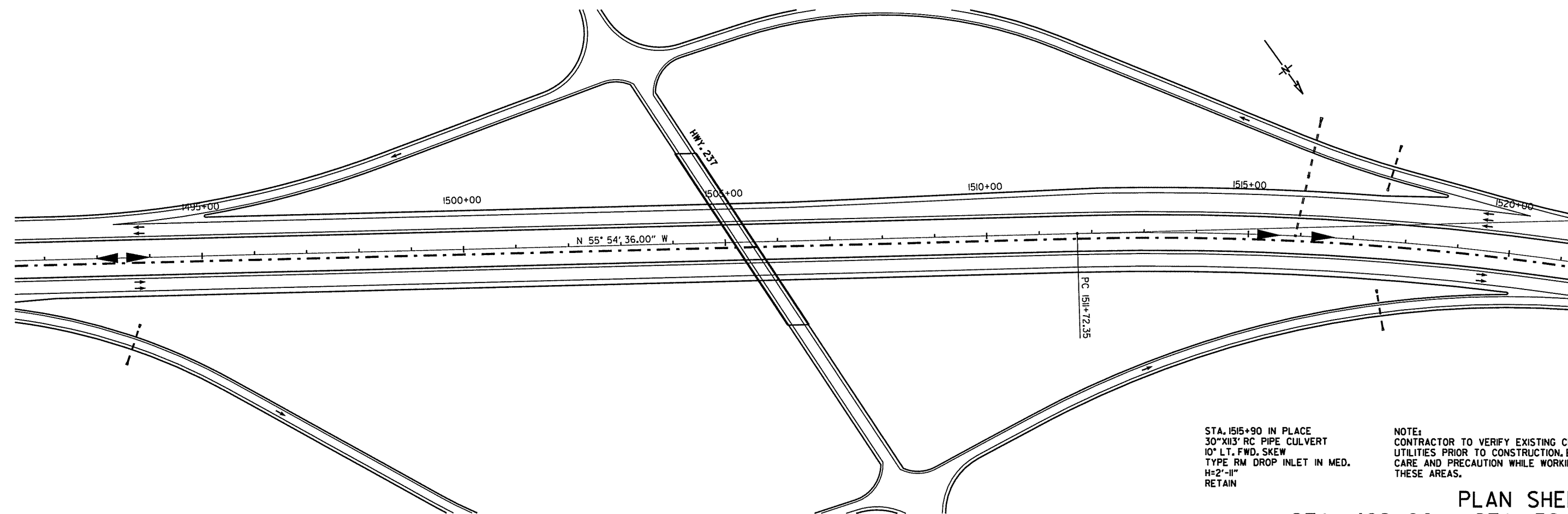


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	64	71
				JOB NO.		030435	64	71
PLAN SHEETS								



STA. 1466+68 IN PLACE
 24"X108' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=2'-10"
 RETAIN

STA. 1478+50 IN PLACE
 7'X4'X207' RC BOX CULVERT
 TYPE TM DROP INLET IN MED.
 H=9'-2"
 RETAIN

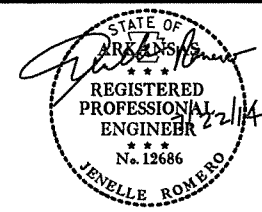


STA. 1515+90 IN PLACE
 30"X113' RC PIPE CULVERT
 10° LT. FWD. SKEW
 TYPE RM DROP INLET IN MED.
 H=2'-11"
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

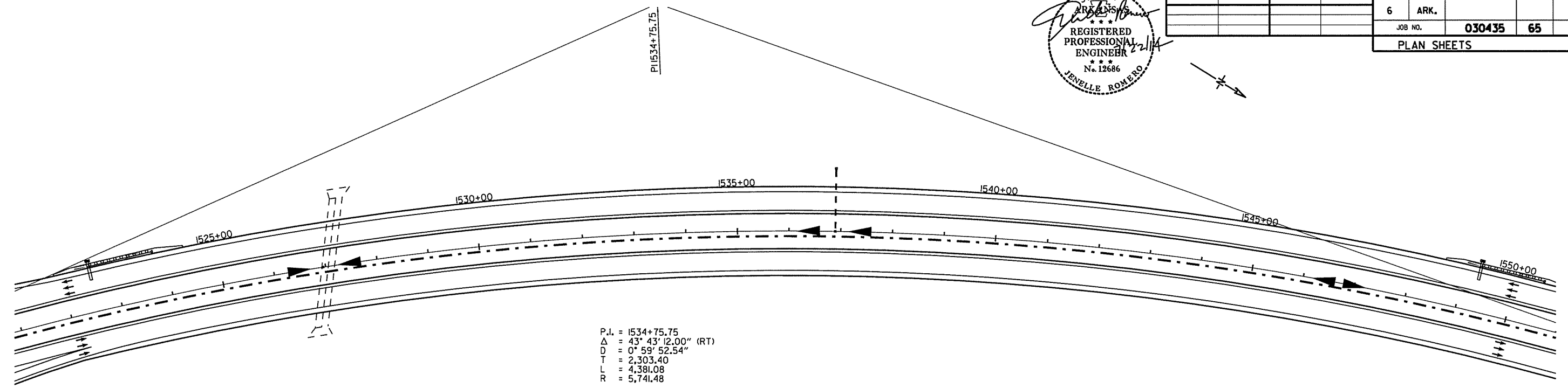
PLAN SHEETS
 STA. 1462+00 - STA. 1521+00

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 030435							65	71

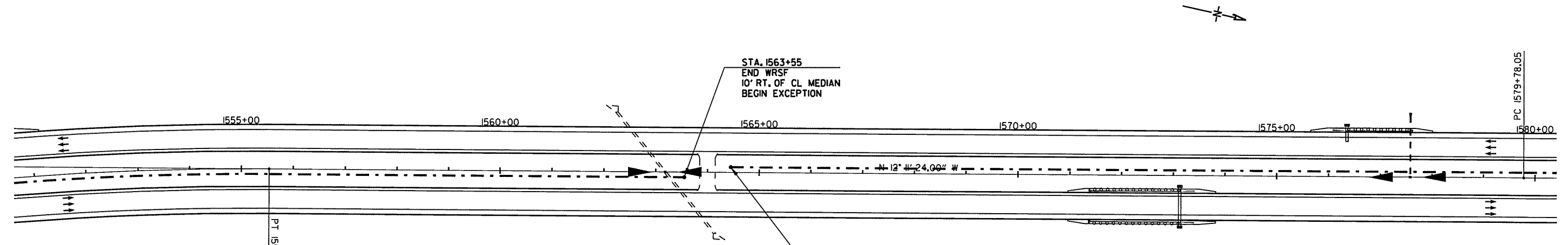
PLAN SHEETS



P.I. = 1534+75.75
 Δ = 43° 43' 12.00" (RT)
 D = 0° 59' 52.54"
 T = 2,303.40
 L = 4,381.08
 R = 5,741.48

STA. 1527+05 IN PLACE
 DBL. 12'X7'X248' RC BOX CULVERT
 TYPE TM DROP INLET IN MED.
 H=3'-7"
 RETAIN

STA. 1536+89 IN PLACE
 24"X16' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=2'-9"
 RETAIN



STA. 1563+55
 END WRSF
 10' RT. OF CL MEDIAN
 BEGIN EXCEPTION

STA. 1564+45
 BEGIN WRSF
 10' LT. OF CL MEDIAN
 END EXCEPTION

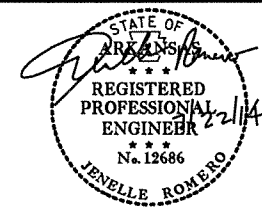
STA. 1577+58 IN PLACE
 24"X15' RC PIPE OUTLET
 TYPE RM DROP INLET IN MED.
 H=4'-10"
 RETAIN

STA. 1563+18 IN PLACE
 4'X4'X300' RC BOX CULVERT
 39° RT. FWD. SKEW
 TYPE TM DROP INLET IN MED.
 H=2'-11"
 RETAIN

NOTE:
 CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
 STA. 1521+00 - STA. 1580+00

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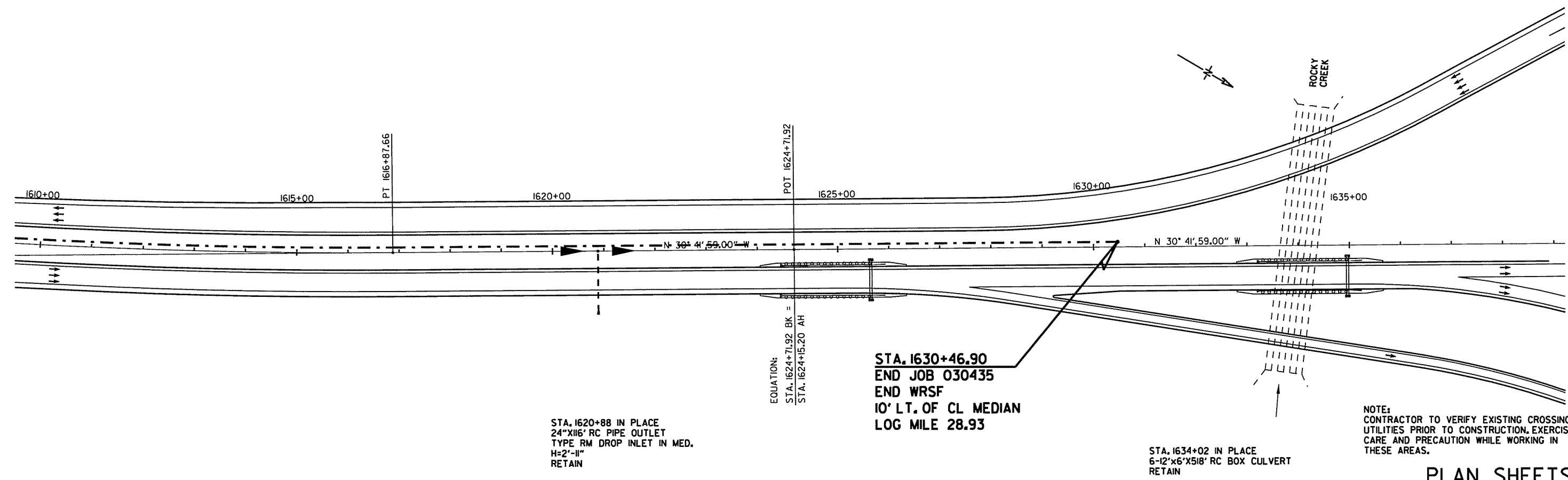
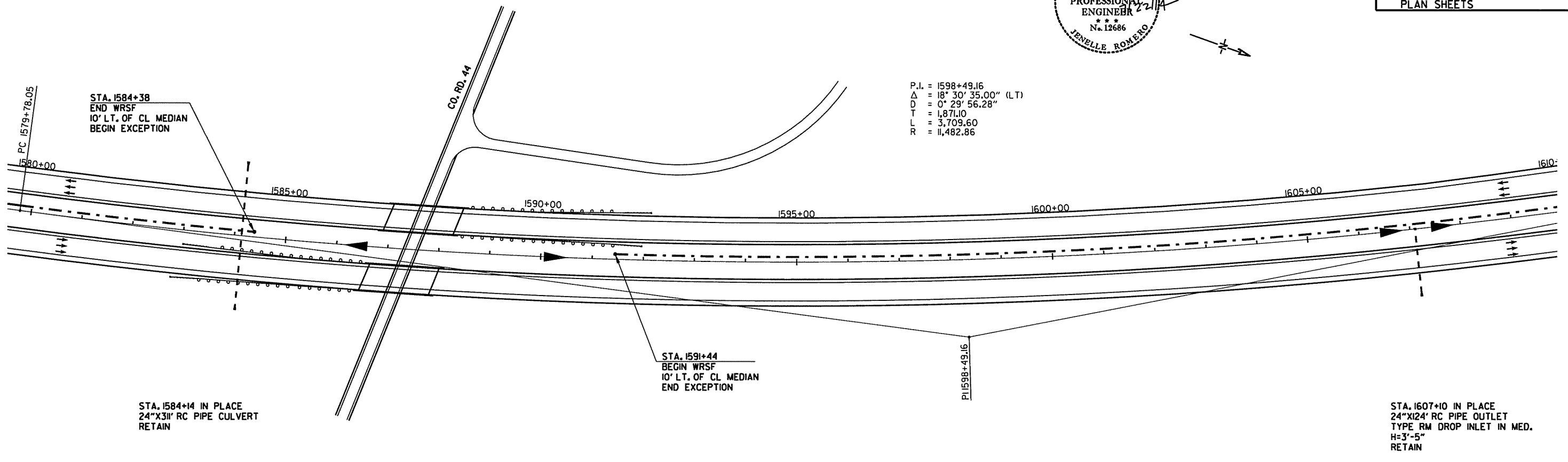


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	030435	66	71

JOB NO. 030435

PLAN SHEETS

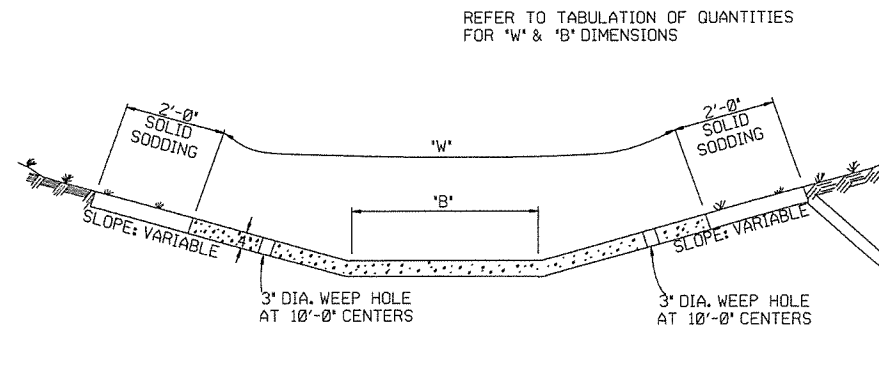
P.I. = 1598+49.16
 Δ = 18° 30' 35.00" (LT)
 D = 0° 29' 56.28"
 T = 1,871.10
 L = 3,709.60
 R = 11,482.86



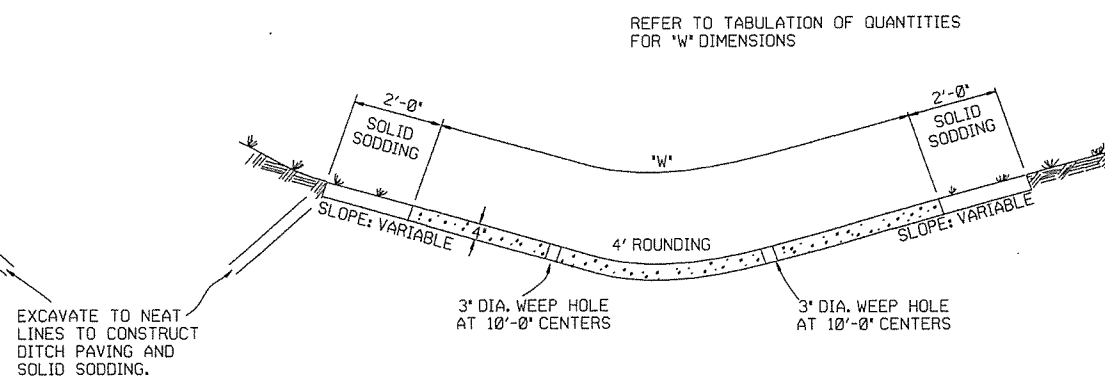
NOTE:
CONTRACTOR TO VERIFY EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION, EXERCISE CARE AND PRECAUTION WHILE WORKING IN THESE AREAS.

PLAN SHEETS
STA. 1580+00 - STA. 1639+00

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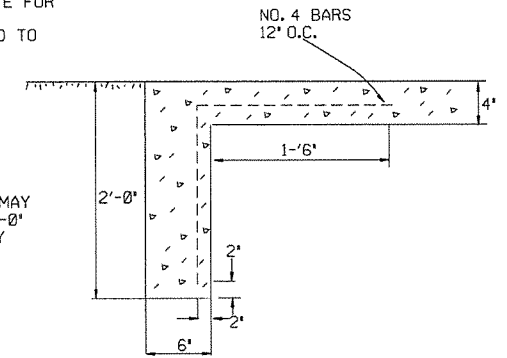


TYPE A



TYPE B

THE STEEL AND ADDITIONAL CONCRETE FOR THE WALLS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR 'CONCRETE DITCH PAVING.'



TOE WALL DETAIL FOR CONCRETE DITCH PAVING

TOE WALL DEPTH MAY BE ALTERED TO 1'-0" WHEN DIRECTED BY THE ENGINEER IN ROCK EXCAVATION

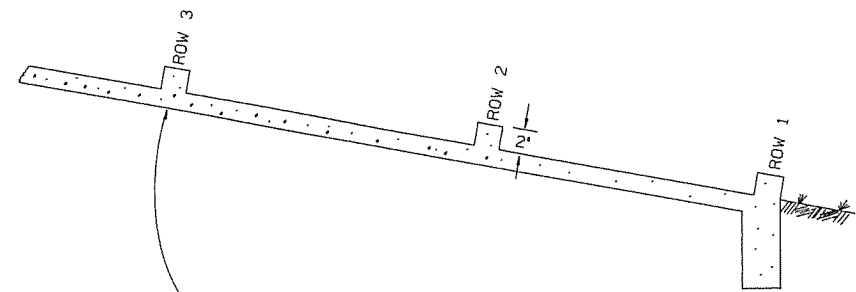
GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.

TOE WALLS TO BE CONSTRUCTED FULL WIDTH AT EACH END OF DITCH PAVING, AND POURED MONOLITHICALLY.

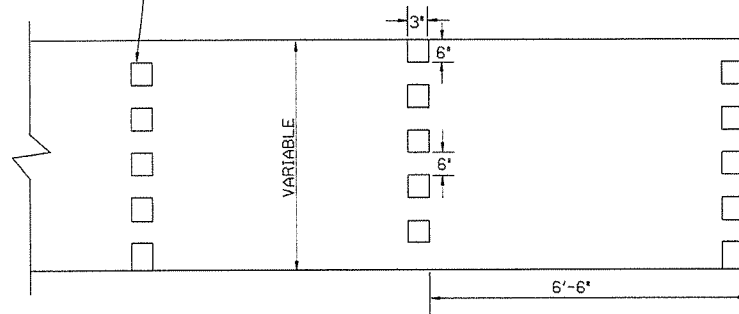
SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.

1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED

ENERGY DISSIPATORS TO BE USED FOR THE ENTIRE LENGTH OF DITCH WHEN SLOPE OF DITCH PAVING EXCEEDS 7%. THE DISSIPATORS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR CONCRETE DITCH PAVING.




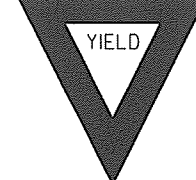
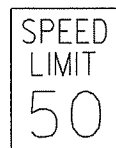
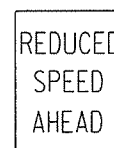

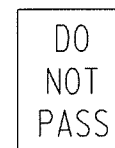
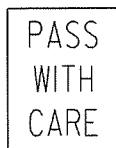


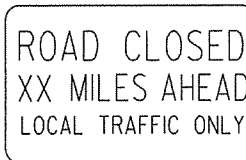
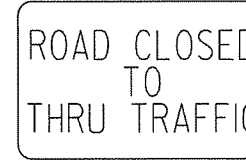

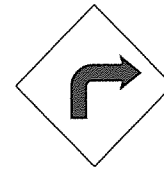
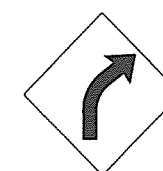
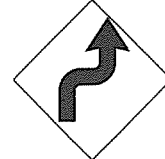
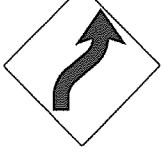
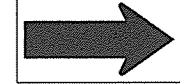
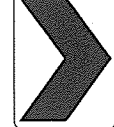
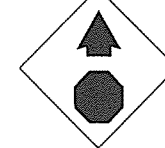
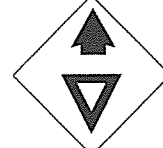
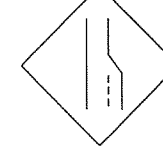



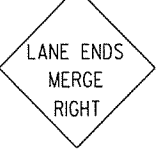


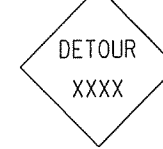



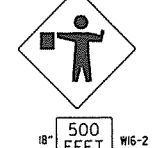


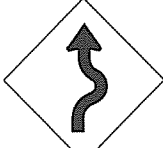



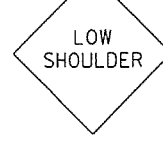
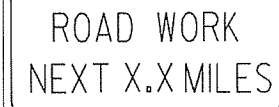
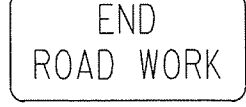
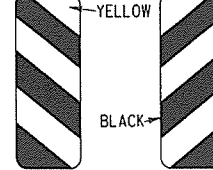
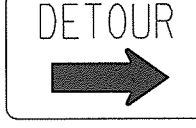

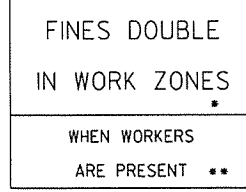
ENERGY DISSIPATORS
(NO SCALE)

11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	653-7-15-88
4-3-87	REVISED ENERGY DISSIPATOR	671-4-3-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	532-1-9-87
11-3-86	ADDED NOTE TO ENERGY DISS.	599-12-1-86
11-1-84	ENERGY DISSIPATOR DETAILS	508-11-1-84
11-1-84	ADDED	
11-1-84	EXCAVATION DETAILS ADDED	
10-2-72	TYPED A & B	
10-2-72	REVISED AND REDRAWN	508-10-2-72
DATE	REVISION	DATE FILM'D

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

<p>RI-1</p>  <p>STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"</p>	<p>RI-2</p>  <p>STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"</p>	<p>R2-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5A</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5C</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R4-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R4-2</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	
<p>R5-1</p>  <p>STD. 30"x30" EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>R11-2</p>  <p>48"x30"</p>	<p>R11-3A</p>  <p>60"x30"</p>	<p>R11-4</p>  <p>60"x30"</p>	<p>RSP-1</p>  <p>48"x30"</p>	<p>W1-1</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W1-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	
<p>W1-3</p>  <p>STD. 48"x48"</p>	<p>W1-4</p>  <p>STD. 48"x48"</p>	<p>W1-6</p>  <p>STD. 48"x24" SPECIAL 60"x30"</p>	<p>W1-8</p>  <p>STD. 18"x24" SPECIAL 24"x30" EXPWY. 30"x36" FWY. 36"x48"</p>	<p>W3-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W3-2</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W4-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	
<p>W5-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W6-3</p>  <p>EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>W8-7</p>  <p>EXPWY. 36"x36" FWY. 48"x48"</p>	<p>W9-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W13-1</p>  <p>STD. 24"x24"</p>	<p>W20-1</p>  <p>STD. 48"x48"</p>	<p>W20-2</p>  <p>STD. 48"x48"</p>	<p>W20-3</p>  <p>STD. 48"x48"</p>
<p>W20-4</p>  <p>STD. 48"x48"</p>	<p>W20-5</p>  <p>STD. 48"x48"</p>	<p>W20-7a</p>  <p>500 FEET W16-2 24"</p> <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W21-2</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W21-5</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W24-1</p>  <p>STD. 36"x36"</p>	<p>W1-4b</p>  <p>STD. 48"x48"</p>	<p>R56-1</p>  <p>STD. 18"x18"</p>
<p>W8-11</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W8-9</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>G20-1</p>  <p>60"x24"</p>	<p>G20-2</p>  <p>48"x24"</p>	<p>OM-3L OM-3R</p>  <p>12"x36"</p>	<p>M4-9</p>  <p>STD. 30"x24" SPECIAL 48"x36" SPECIAL 60"x48"</p>	<p>M4-10</p>  <p>48"x18"</p>	<p>R55-1</p>  <p>36"x60"</p> <p>WHEN WORKERS ARE PRESENT **</p> <p>* USE 6" C LETTERS ** USE 4" D LETTERS</p>

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ADVANCE DISTANCES
(XXXX)

500 FT	1/2 MILE
1000 FT	3/4 MILE
1500 FT	1 MILE AHEAD

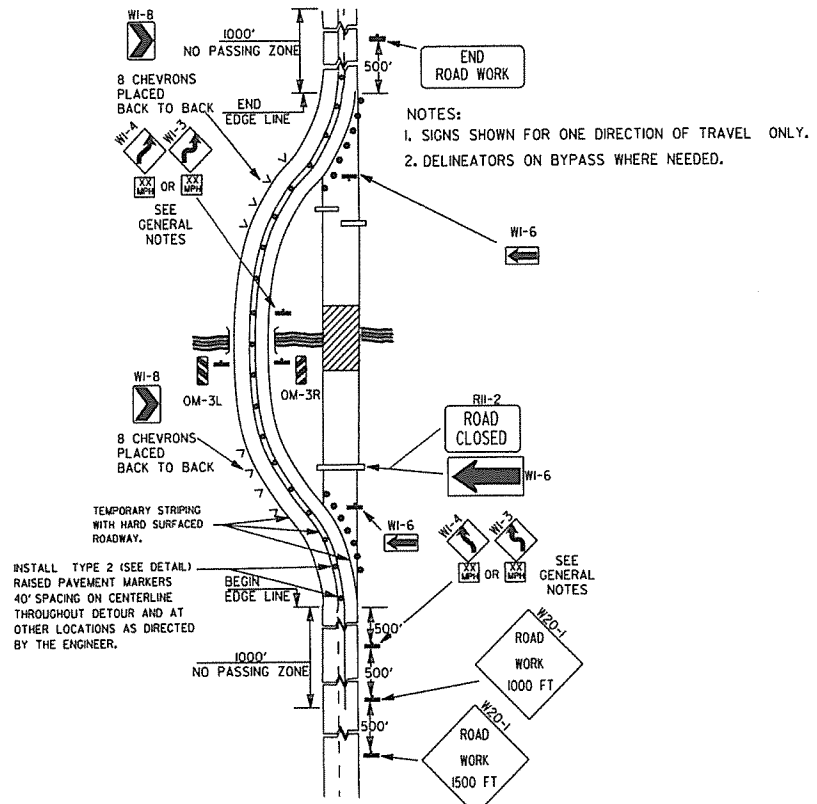
GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.
- EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED.
- SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SO. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE.
- SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3.
- POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE.
- ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS.
- FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
- MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT, HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT.
- R55-1 SIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN.

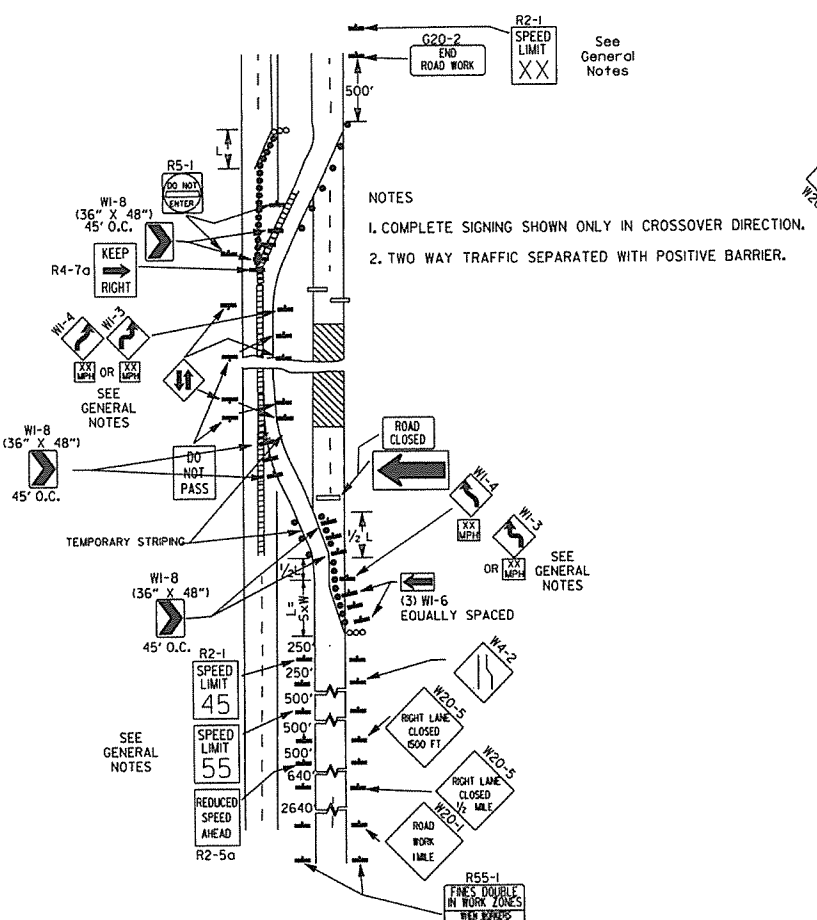
* NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.

12-15-11	REVISED W24-1	
11-17-10	DELETED W8-9a & ADDED W8-9	
10-15-09	ADDED REFERENCE TO MASH & ADDED SIGN W24-1	
4-17-08	REVISED SIGN DESIGNATIONS	
11-18-04	REVISED NOTES	
10-9-03	REVISED NOTE 1	
11-16-01	REVISED NOTE 7	
9-28-00	REVISED NOTE	
11-18-98	ADDED NOTE	
6-26-97	REVISED NOTE 5	
4-03-97	REVISED NOTE 5	
10-18-96	ADDED CONTROLLED ACCESS HWY. SIGN & TO NOTE 7	
10-12-95	ADDED R55-1	
6-8-95	REVISED TO CORRECT SIGN ILLUSTRATIONS	6-8-95
2-2-95	REVISED PER PART VI, MUTCD SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	
DATE	REVISION	FILMED

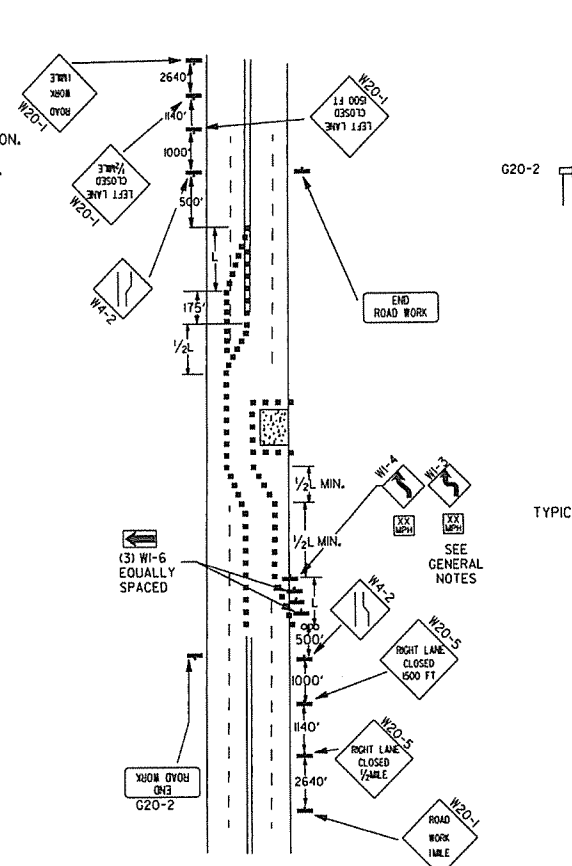
ARKANSAS STATE HIGHWAY COMMISSION
STANDARD TRAFFIC CONTROLS
FOR HIGHWAY CONSTRUCTION
STANDARD DRAWING TC-1



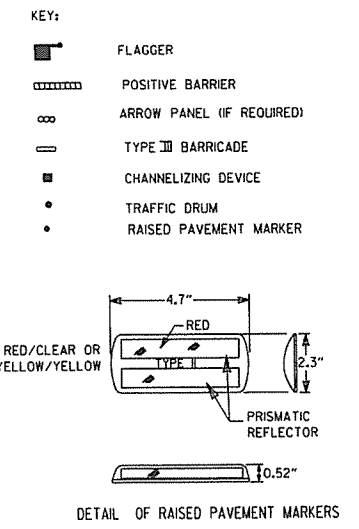
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



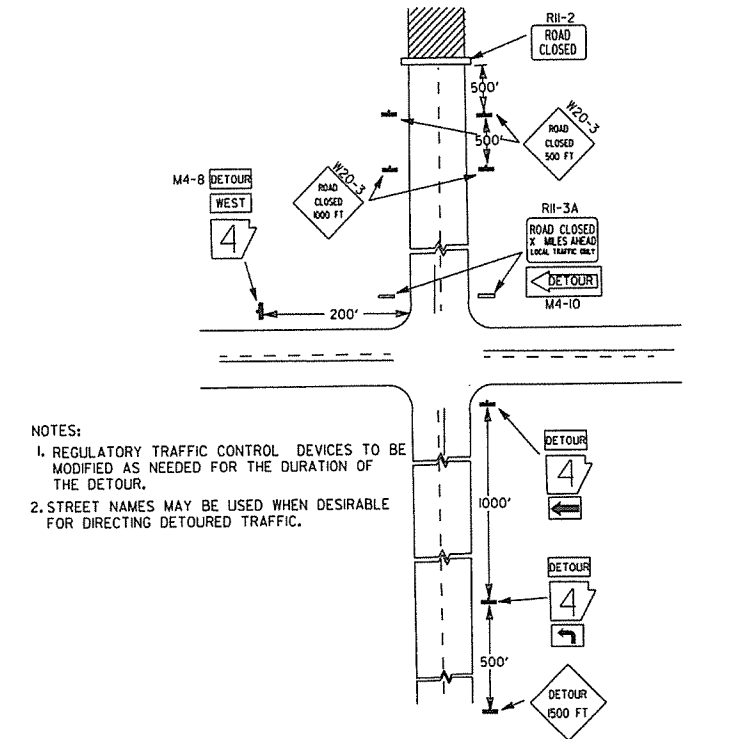
(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



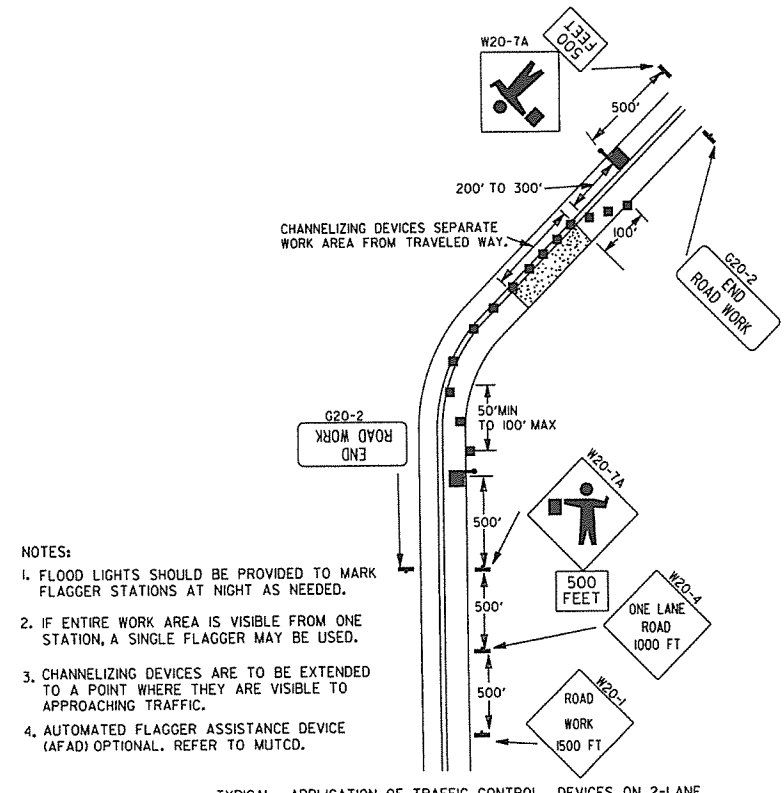
TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:
L=SW FOR SPEEDS OF 45MPH OR MORE.
L= $\frac{WS^2}{60}$ FOR SPEEDS OF 40MPH OR LESS.
WHERE:
L= MINIMUM LENGTH OF TAPER.
S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.
W= WIDTH OF OFFSET.

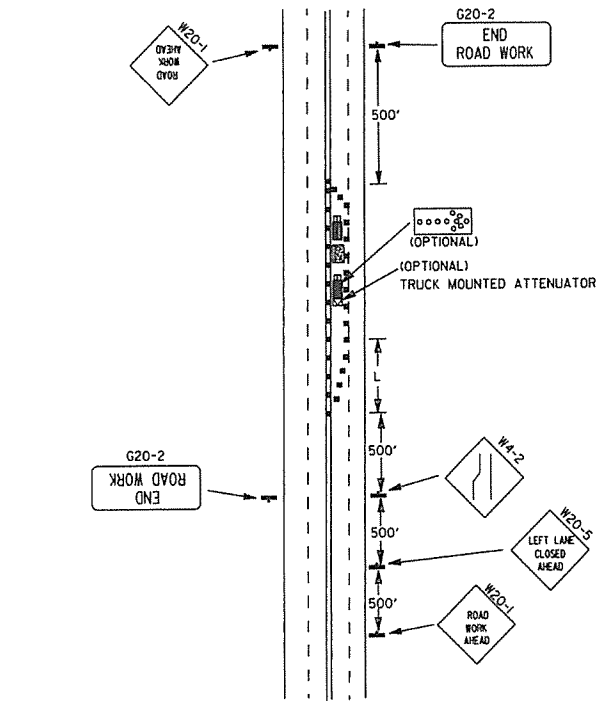
- GENERAL NOTES:
- ADVISORY SPEED POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS TO BE DETERMINED AT SITE. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS.
 - WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-(45) SHALL BE OMITTED AND THE R2-5A SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-(1XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-(45) SHALL BE OMITTED. ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-(1XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.
 - WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 - PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
 - TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER, WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE.



(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.

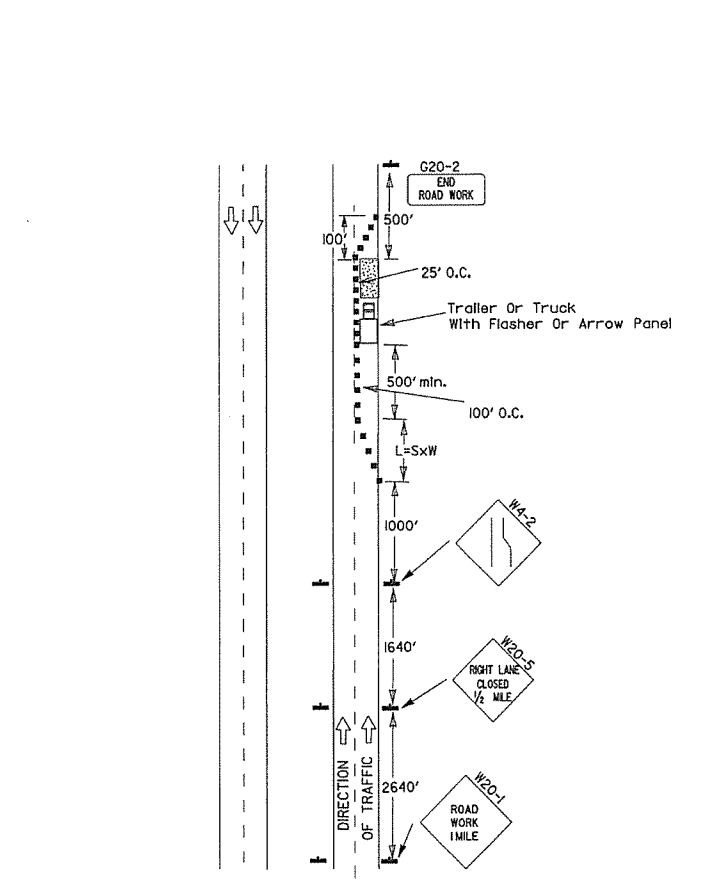


(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.

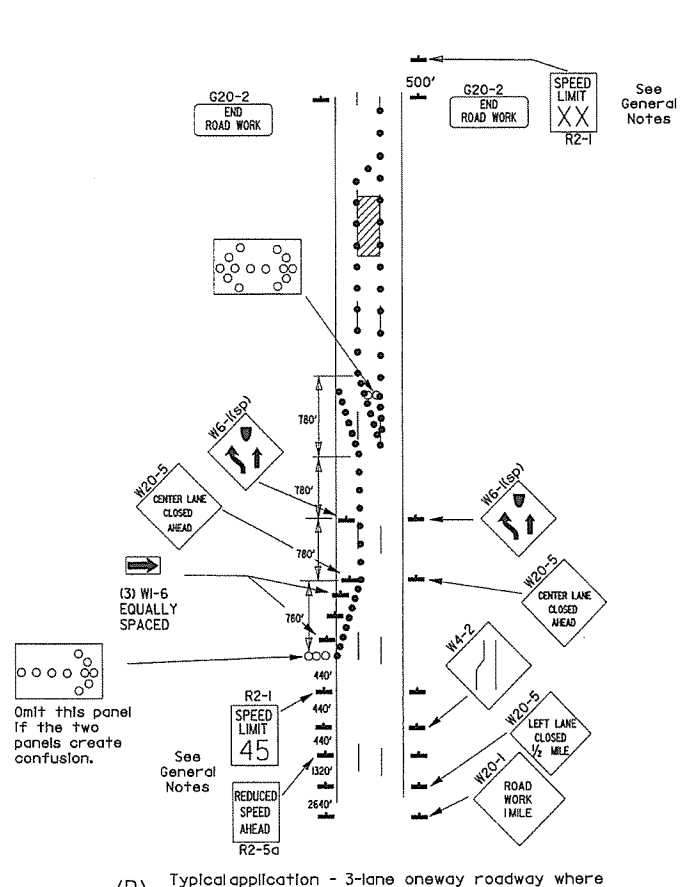


(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

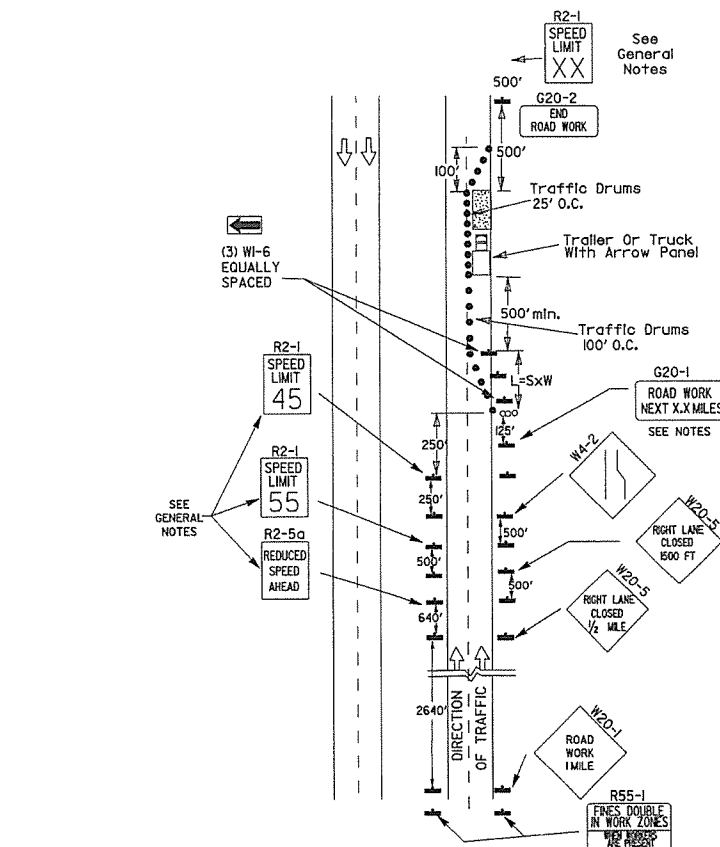
DATE	REVISION	FILED
9-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKERS	
3-11-10	ADDED (AFAD)	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-1	
4-26-96	CORRECTED (a) BEHIND G20-2	
6-8-95	CORRECTED SIGN IDENT. ON W1-4A	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	



(A) Typical application - daytime maintenance operations of short duration on a 4-lane divided roadway where half of the roadway is closed.



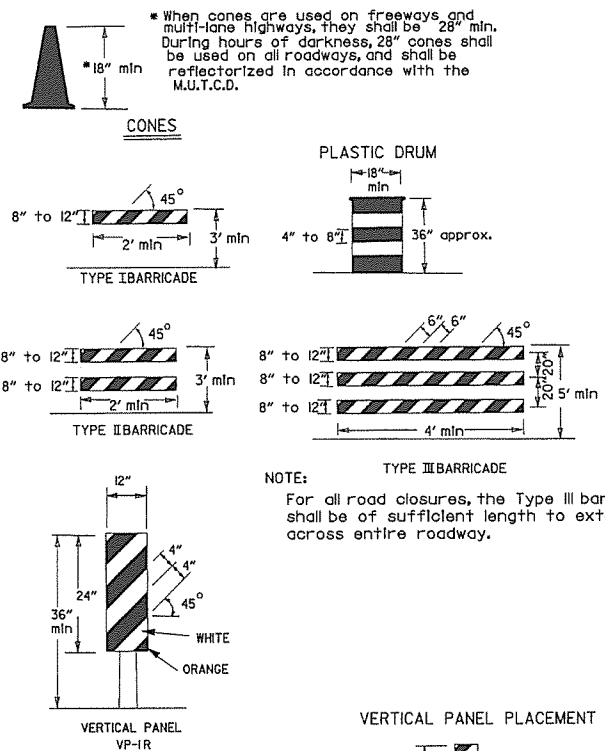
(B) Typical application - 3-lane oneway roadway where center lane is closed.



(C) Typical application - construction operations of intermediate to long term duration on a 4-lane divided roadway where half of the roadway is closed.

- KEY:**
- Arrow Panel (if Required)
 - Channelizing Device
 - Traffic drum
- GENERAL NOTES:**
1. A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
 2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the R2-5A shall be installed at that location. Additional R2-1(45) speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
 3. When the existing speed limit is 65mph and the plans require a speed limit of 55mph, the R2-1(65) shall be omitted. Additional R2-1(55) speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
 4. The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit or as directed by the Engineer.
 5. Warning lights and/or flags may be mounted to signs or channelizing devices at night as needed.
 6. Pavement markings no longer applicable which might create confusion in the minds of vehicle operators shall be removed or obliterated as soon as practicable.
 7. The G20-1 sign will be required on jobs of over two miles in length. When the lane closure is not at the beginning of the project, the G20-1 sign shall be erected 125' in advance of the job limit. Additional W20-1 (1 MILE) signs are not required in advance of lane closures that begin inside the project limits.
 8. Flaggers shall use STOP/SLOW paddles for controlling traffic through work zones. Flags may be used only for emergency situations.
 9. All plastic drums and cones shall meet the requirements of NCHRP-350 or Manual for Assessing Safety Hardware (MASH).
 10. Trailer mounted devices such as arrow panels and portable changeable message signs shall be delineated by affixing conspicuity material in a continuous line on the face of the trailer. When placed on or adjacent to the shoulder and not behind a positive barrier, these devices shall be delineated by placing five (5) traffic drums, equally spaced along the traffic side of the device.

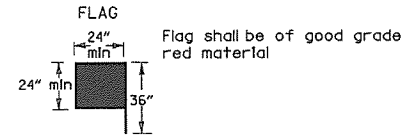
Channelizing devices



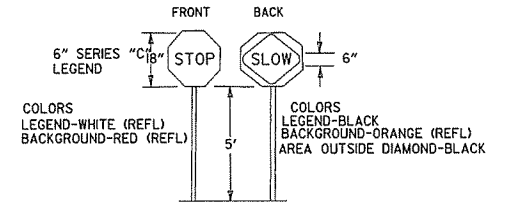
TRAFFIC CONTROL DEVICES FOR VERTICAL PAVEMENT DIFFERENTIALS

VERTICAL DIFFERENTIAL	LOCATIONS	TRAFFIC CONTROL
1" to 3"	Centerline, lane lines	W8-11
1" to 3"	Edge of shoulder	W8-9
Greater than 3"	Lane lines	Standard lane closure required
Greater than 3"	Edge of traveled lane	*RSP-1 and vertical panels, drums or concrete barrier
Greater than 3"	Edge of shoulder	*Vertical panels, drums or concrete barrier

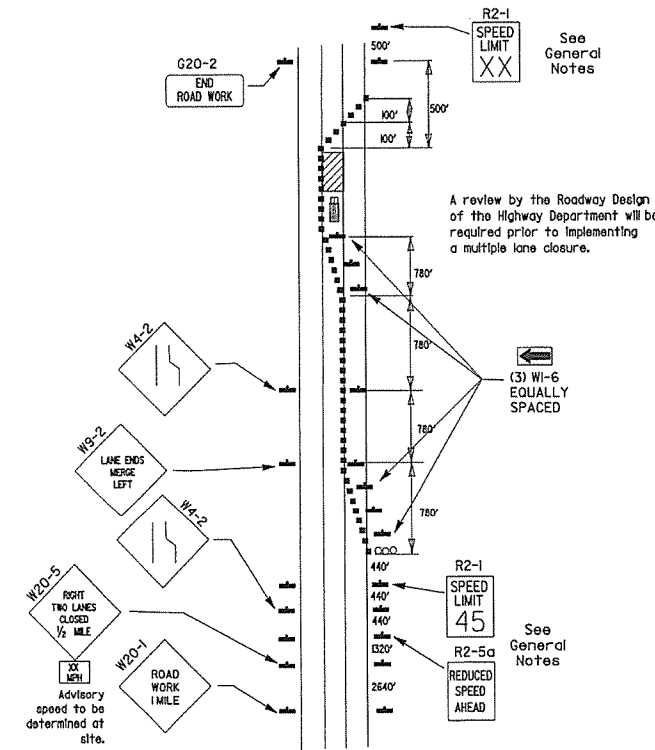
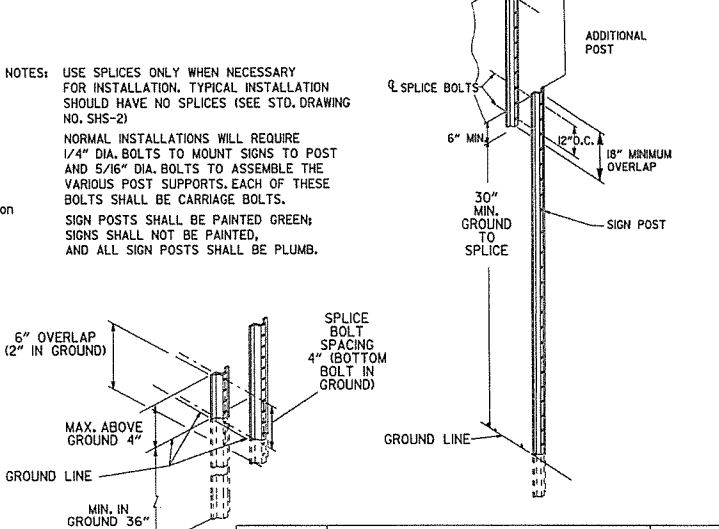
* When shown on the plans concrete barrier will be used.
 When the shoulder area is used as part of the traveled lane and there is insufficient width to place drums on the remaining shoulder width, then vertical panels shall be used.



STOP SLOW PADDLE

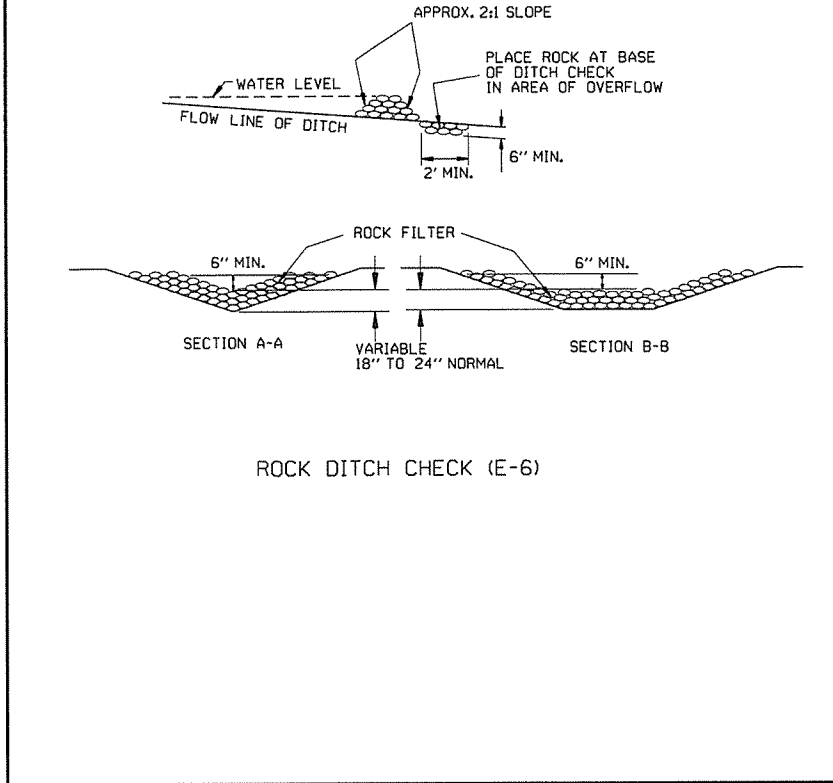
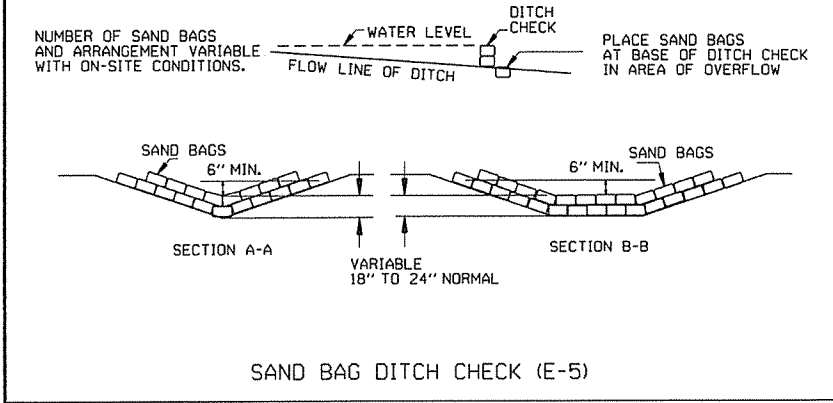
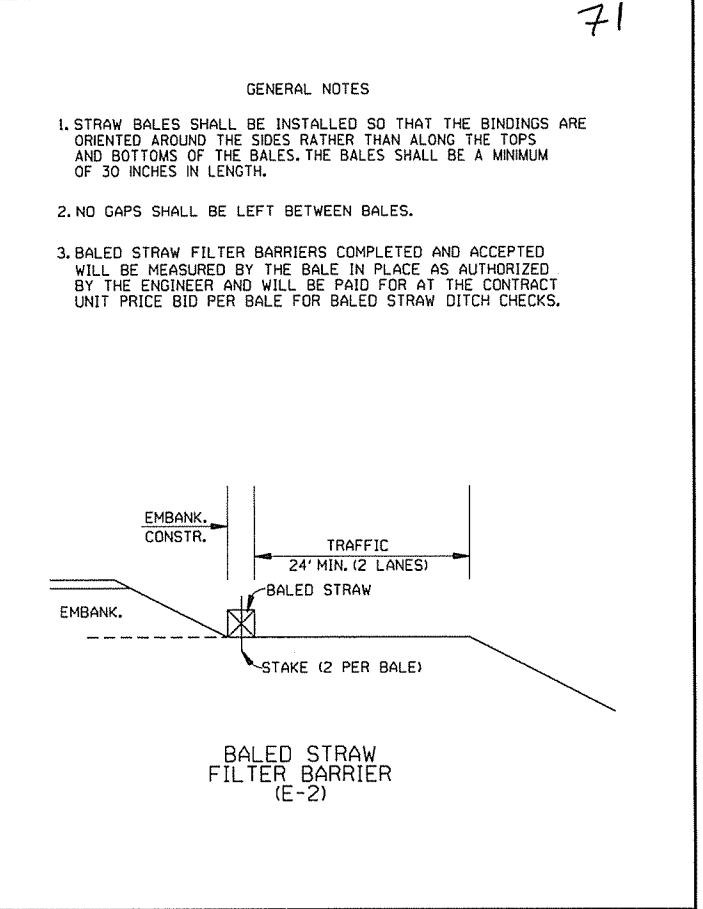
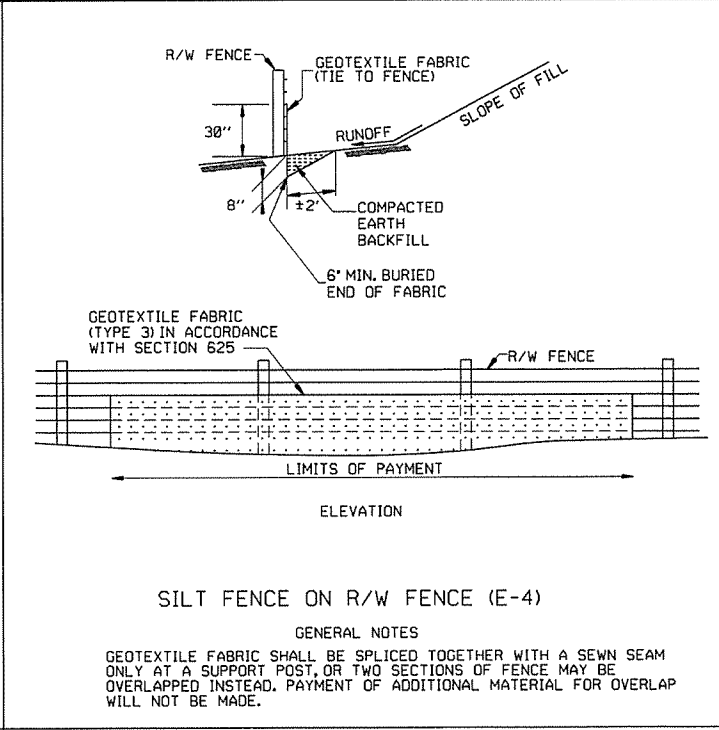
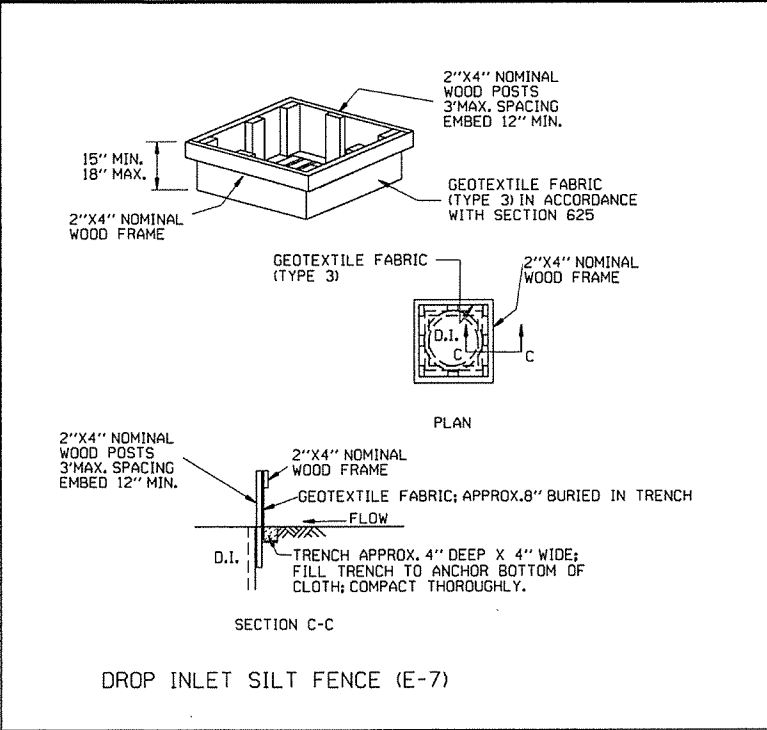
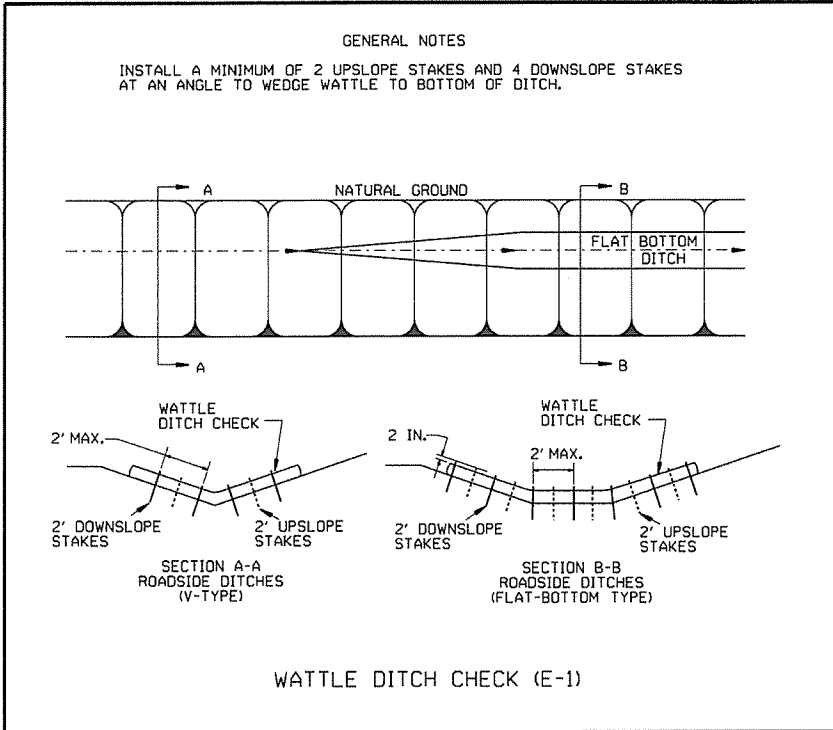


DETAIL OF SPLICES



(D) Typical application - closing multiple lanes of a multilane highway.

DATE	REVISION	FILMED
10-15-09	ADDED REFERENCE TO MASH	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED NOTE	
10-1-98	ADDED NOTE	
4-03-97	ADDED (SP) TO W6-1& REVISED TRAFFIC CONTROL DEVICES NOTE	
10-18-96	ADDED R55-1	
10-12-95	MOVED UPPER SPLICE	
6-8-95	REVISED SPLICE DETAIL, TEXT	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	



GENERAL NOTES
GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

12-15-11	DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK	
11-18-98	ADDED NOTES	
7-02-98	ADDED BALED STRAW FILTER BARRIER (E-2)	
7-20-95	REVISED SILT FENCE E-4 AND E-11	7-20-95
7-15-94	REV. E-4 & E-11 MIN. 13" BURIED END OF FABRIC	
6-2-94	REVISED E-1, 4, 7 & 11; DELETED E-2 & 3	6-2-94
4-1-93	REDRAWN	
10-1-92	REDRAWN	
8-2-76	ISSUED R.D.M.	298-7-28-76
DATE	REVISION	FILMED