

VICINITY MAP

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

HWY. 64 - HWY. 331 (S)

JOHNSON & POPE COUNTY
ROUTE I-40 SECTIONS 21 & 22

JOB 080648
FED. AID PROJ. ACNHPP-40-2(83)

PROJECT
LOCATION

BRIDGE DATA
(FOR INFORMATION ONLY)

- 1 STA. 97+44.56 BRIDGE END
206'-8" BRIDGE NO. A6868
40'-0" CLEAR ROADWAY
STA. 99+51.26 BRIDGE END
RETAIN
- 2 STA. 98+09.92 BRIDGE END
206'-8" BRIDGE NO. B6868
40'-0" CLEAR ROADWAY
STA. 100+16.60 BRIDGE END
RETAIN

BRIDGE DATA
(EXCEPTIONS)

- 3 STA. 136+60.51 BRIDGE END
III'-2" BRIDGE NO. A3778
40'-0" CLEAR ROADWAY
STA. 137+71.69 BRIDGE END
RETAIN
- 4 STA. 136+51.68 BRIDGE END
III'-2" BRIDGE NO. B3778
40'-0" CLEAR ROADWAY
STA. 137+62.86 BRIDGE END
RETAIN
- 5 STA. 450+01.30 BRIDGE END
132'-2" BRIDGE NO. A3314
40'-0" CLEAR ROADWAY
STA. 451+33.46 BRIDGE END
RETAIN
- 6 STA. 450+01.30 BRIDGE END
132'-2" BRIDGE NO. B3314
40'-0" CLEAR ROADWAY
STA. 451+33.46 BRIDGE END
RETAIN
- 7 STA. 634+09.23 BRIDGE END
131'-2" BRIDGE NO. A3316
40'-0" CLEAR ROADWAY
STA. 635+39.31 BRIDGE END
RETAIN
- 8 STA. 634+07.33 BRIDGE END
131'-2" BRIDGE NO. B3316
40'-0" CLEAR ROADWAY
STA. 635+39.56 BRIDGE END
RETAIN

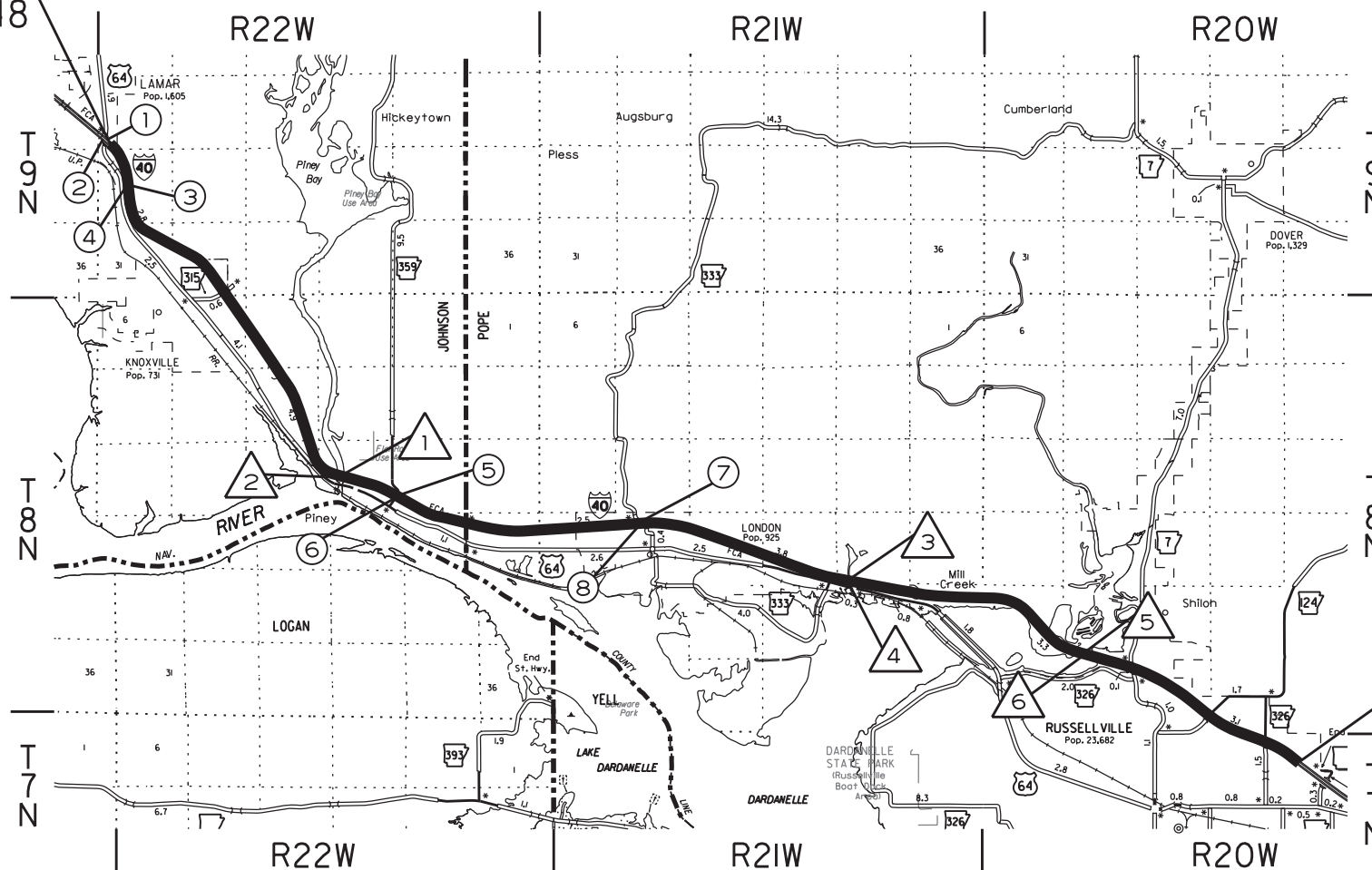
BRIDGE DATA

- 1 STA. 403+96.64 BR. END
712'-1 1/2" BRIDGE NO. A3313
40'-0" CLEAR ROADWAY
STA. 411+08.76 BR. END
POLYMER OVERLAY
- 2 STA. 404+16.64 BRIDGE END
652'-1 1/2" BRIDGE NO. B3313
40'-0" CLEAR ROADWAY
STA. 410+68.76 BRIDGE END
POLYMER OVERLAY
- 3 STA. 786+03.74 BRIDGE END
376'-1 1/2" BRIDGE NO. A6916
40'-0" CLEAR ROADWAY
STA. 789+79.87 BRIDGE END
POLYMER OVERLAY
- 4 STA. 786+03.74 BRIDGE END
376'-1 1/2" BRIDGE NO. B6916
40'-0" CLEAR ROADWAY
STA. 789+79.87 BRIDGE END
POLYMER OVERLAY
- 5 STA. 968+84.11 BRIDGE END
583'-2" BRIDGE NO. A6917
40'-0" CLEAR ROADWAY
STA. 974+67.28 BRIDGE END
POLYMER OVERLAY
- 6 STA. 968+35.72 BRIDGE END
583'-2" BRIDGE NO. B6917
40'-0" CLEAR ROADWAY
STA. 974+18.88 BRIDGE END
POLYMER OVERLAY

PROJECT COORDINATES

	BEGIN	MID-POINT	END
LATITUDE	N 35°24' 50"	N 35°20' 11"	N 35°17' 12"
LONGITUDE	W 93°23' 02"	W 93°15' 32"	W 93°05' 55"
STATION	100+00.00	623+95.00	1147+90.00

NOT TO SCALE

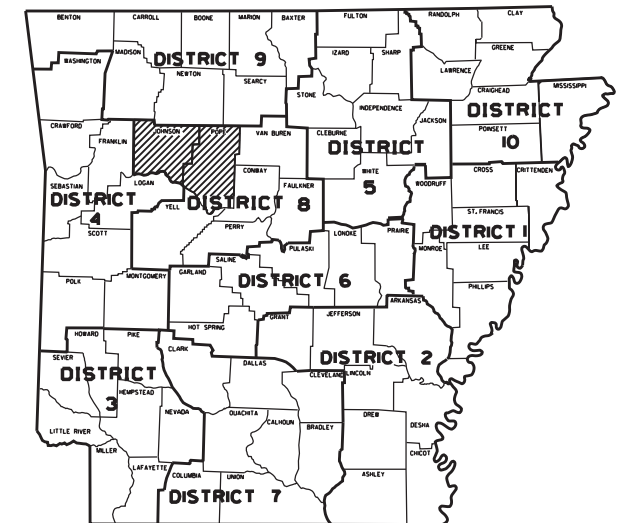


STA. 1147+90.00
END JOB 080648
LOG MILE 83.646

PROJECT LENGTH CALCULATED ALONG C.L. CONSTRUCTION

GROSS LENGTH OF	PROJECT	104790.00 FEET	OR	19.846 MILES
NET	ROADWAY	102774.17		19.465
NET	BRIDGES	1641.42		0.311
NET	PROJECT	104415.54		19.776

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
06/05/23		6	ARK.	080648	1	37
HWY. 64 - HWY. 331 (S)						



ARK. HWY. DIST. NO. 8



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Date: 2023.06.13 13:47:19 -05'00'

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	2	37
		INDEX OF SHEETS AND STANDARD DRAWINGS				



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Date: 2023.05.12

INDEX OF SHEETS

SHEET NO.	TITLE	BRIDGE NO.	DRWG.NO.
1	TITLE SHEET		
2	INDEX OF SHEETS AND STANDARD DRAWINGS		
3	GOVERNING SPECIFICATIONS AND GENERAL NOTES		
4	TYPICAL SECTIONS OF IMPROVEMENT		
5 - 6	SPECIAL DETAILS		
7	TEMPORARY EROSION CONTROL DETAILS		
8 - 11	MAINTENANCE OF TRAFFIC DETAILS		
12	PERMANENT PAVEMENT MARKING DETAILS		
13 - 17	QUANTITIES		
18	SCHEDULE OF BRIDGE QUANTITIES	A & B 3313, A & B 6916, A & B 6917	66057
19	SUMMARY OF QUANTITIES AND REVISIONS		
20 - 37	PLAN SHEETS		

ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
GR-6	GUARDRAIL DETAILS	05-19-22
GR-7	GUARDRAIL DETAILS	11-07-19
GR-8	GUARDRAIL DETAILS	11-07-19
GR-9	GUARDRAIL DETAILS	11-07-19
GR-10	GUARDRAIL DETAILS	11-07-19
GR-11	GUARDRAIL DETAILS	11-07-19
GR-12	GUARDRAIL DETAILS	05-14-20
GRT-1	GUARD RAIL DETAILS	11-07-19
PM-1	PAVEMENT MARKING DETAILS	02-27-20
PM-2	PERMANENT PAVEMENT MARKING ON ACCESS CONTROLLED ROADWAYS	05-14-20
PU-1	DETAILS OF PIPE UNDERDRAIN	12-08-16
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	05-20-21
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-12-21
TEC-1	TEMPORARY EROSION CONTROL DEVICES	11-16-17
TEC-4	TEMPORARY EROSION CONTROL DEVICES	07-26-12
TR-1A	DETAILS OF STANDARD TURNOUT FOR ENTRANCE & EXIT RAMPS (NON-REINFORCED)	08-22-02

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
FHWA-1273__	SUPPLEMENT - TRAINING PROGRAM - JOB 080648
100-3___	CONTRACTOR'S LICENSE
100-4___	DEPARTMENT NAME CHANGE
102-2___	ISSUANCE OF PROPOSALS
105-4___	MAINTENANCE DURING CONSTRUCTION
107-2___	RESTRAINING CONDITIONS
108-1___	LIQUIDATED DAMAGES
108-2___	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
306-1___	QUALITY CONTROL AND ACCEPTANCE
400-1___	TACK COATS
400-4___	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5___	PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6___	LIQUID ANTI-STRIP ADDITIVE
400-7___	TRACKLESS TACK
404-3___	DESIGN OF ASPHALT MIXTURES
410-1___	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2___	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
410-4___	EVALUATION OF ACHM SUBLOT REPLACEMENT MATERIAL
600-2___	INCIDENTAL CONSTRUCTION
603-1___	LANE CLOSURE NOTIFICATION
604-1___	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-3___	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
617-1___	GUARDRAIL TERMINAL (TYPE 2)
620-1___	MULCH COVER
621-1___	FILTER SOCKS
802-4___	CEMENT
804-2___	REINFORCING STEEL FOR STRUCTURES
JOB 080648__	ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC
JOB 080648__	BIDDING REQUIREMENTS AND CONDITIONS
JOB 080648__	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS
JOB 080648__	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 080648__	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB 080648__	BUY AMERICA - CONSTRUCTION MATERIALS
JOB 080648__	CARGO PREFERENCE ACT REQUIREMENTS
JOB 080648__	COLD MILLING – MILL & INLAY
JOB 080648__	CONSTRUCTION PROJECT INFORMATION SIGN
JOB 080648__	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
JOB 080648__	DESIGN OF ASPHALT MIXTURES - AGGREGATES
JOB 080648__	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 080648__	ENHANCED THERMOPLASTIC PAVEMENT MARKING
JOB 080648__	FLEXIBLE BEGINNING OF WORK – CALENDAR DAY CONTRACT
JOB 080648__	FURNISH AND OPERATION OF MOBILE SPEED NOTIFICATION SYSTEM
JOB 080648__	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 080648__	LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS
JOB 080648__	LONGITUDINAL JOINT DENSITIES FOR ACHM SURFACE COURSES
JOB 080648__	MAINTENANCE OF TRAFFIC
JOB 080648__	MANDATORY ELECTRONIC CONTRACT
JOB 080648__	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 080648__	PARTNERING REQUIREMENTS
JOB 080648__	PERCENT WITHIN LIMITS/PAVEMENT SMOOTHNESS (IRI)
JOB 080648__	POLYMER OVERLAY
JOB 080648__	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 080648__	PRICE ADJUSTMENT FOR FUEL
JOB 080648__	PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
JOB 080648__	RESTRICTIONS ON THE USE OF RECYCLED ASPHALT PAVEMENT MATERIAL
JOB 080648__	SEQUENCE OF CONSTRUCTION
JOB 080648__	SITE USE (A+C METHOD) – CALENDAR DAY CONTRACT
JOB 080648__	SPECIAL CLEARING
JOB 080648__	SPECIAL CLEARING PUP SEASON REQUIREMENTS
JOB 080648__	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 080648__	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 080648__	UNDERDRAIN FLUSHING AND INSPECTION
JOB 080648__	UTILITY ADJUSTMENTS
JOB 080648__	VALUE ENGINEERING
JOB 080648__	WARM MIX ASPHALT
JOB 080648__	WATER POLLUTION CONTROL

GOVERNING SPECIFICATIONS

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

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
06/05/23		6	ARK.	080648	3	37
GOVERNING SPECIFICATIONS AND GENERAL NOTES						



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Date: 2023.06.13

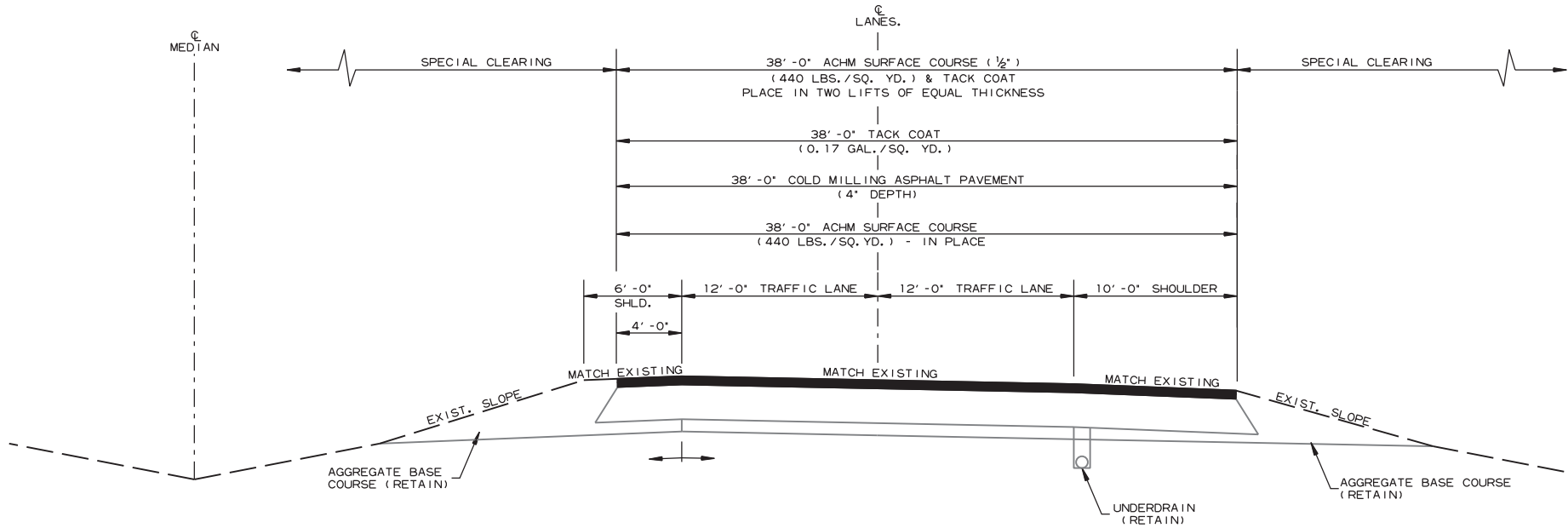
GENERAL NOTES

1. 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.
2. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
3. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
4. THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE RESIDENT ENGINEER.
5. 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.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	4	37
TYPICAL SECTIONS OF IMPROVEMENT						



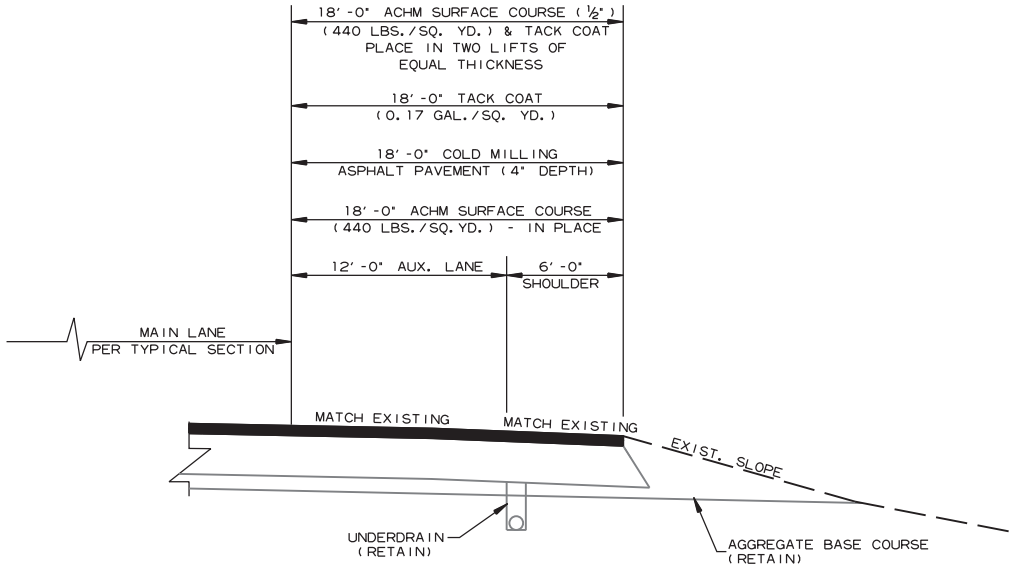
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Date: 2023.05.12



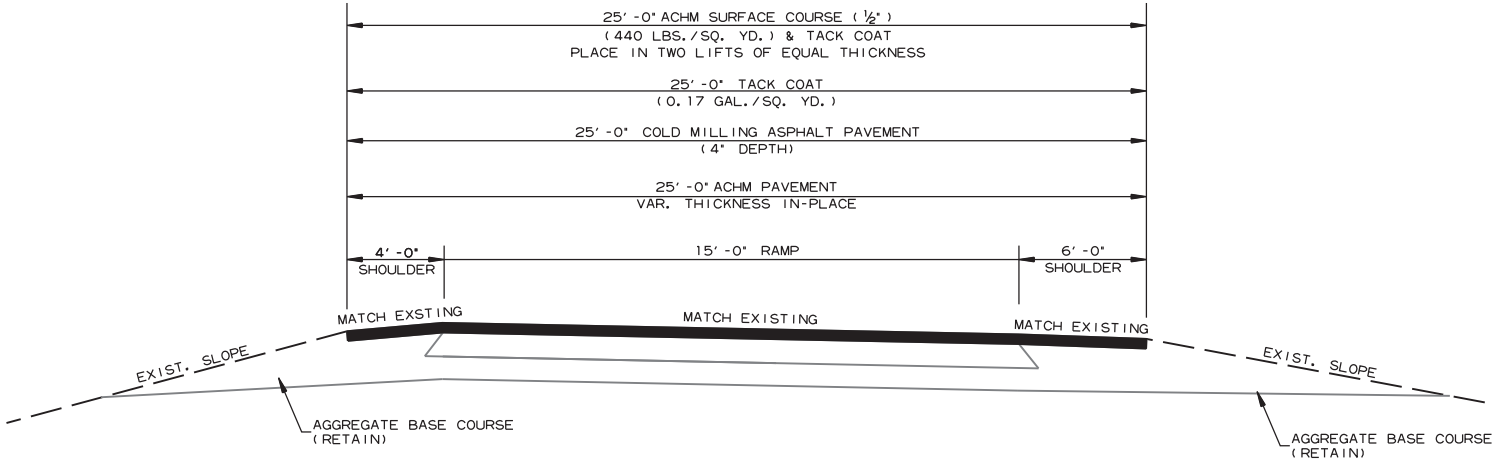
INTERSTATE 40 - MILL & OVERLAY
(SHOWN IN DIRECTION OF TRAFFIC)

LEFT MAIN LANES		RIGHT MAIN LANES	
STA. 99+87.76 TO STA. 136+24.01		STA. 100+53.12 TO STA. 136+15.18	
STA. 138+08.19 TO STA. 403+60.14		STA. 137+99.36 TO STA. 403+80.14	
STA. 411+45.26 TO STA. 449+64.79		STA. 411+05.26 TO STA. 449+64.79	
STA. 451+69.96 TO STA. 633+73.02		STA. 451+69.96 TO STA. 633+70.54	
STA. 635+75.48 TO STA. 785+67.24		STA. 635+76.45 TO STA. 785+67.24	
STA. 790+16.37 TO STA. 968+47.61		STA. 790+16.37 TO STA. 967+99.22	
STA. 975+03.78 TO STA. 1147+90.00		STA. 974+55.39 TO STA. 1147+90.00	

NOTES:
1. THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT LANE LINES OR AS DIRECTED BY ENGINEER.



AUXILIARY LANE - MILL & OVERLAY
(SHOWN IN DIRECTION OF TRAFFIC)



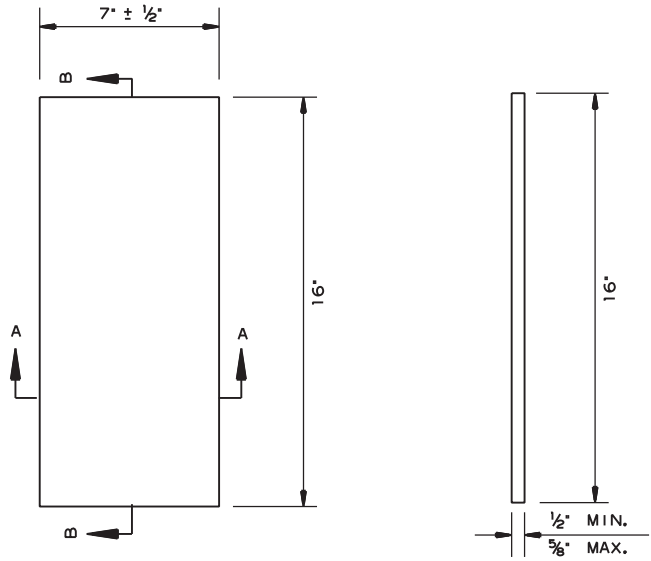
TYPICAL RAMP - MILL & OVERLAY
(SHOWN IN DIRECTION OF TRAFFIC)

DATE & TIME: 5/12/2023 11:34:57 AM
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DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	5	37
SPECIAL DETAILS						

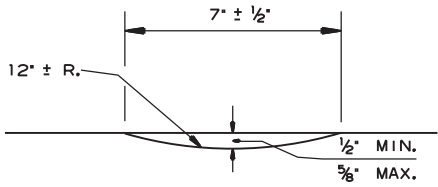


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Date: 2023.05.12

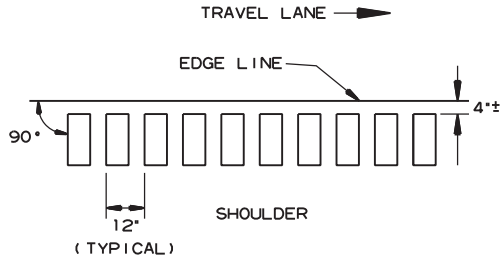


PLAN

SECTION B-B

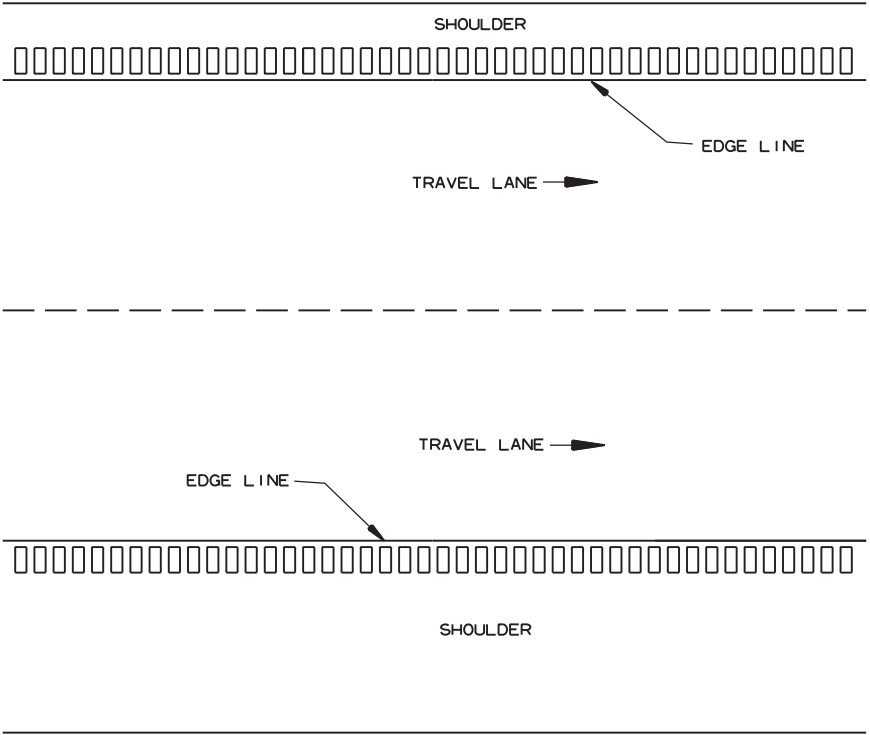


SECTION A-A



LOCATION PLAN OF RUMBLE STRIPS
LEFT OR RIGHT SHOULDER

DETAILS OF RUMBLE STRIPS



PLAN VIEW

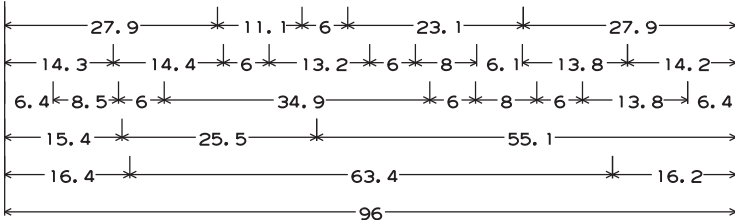
- NOTES:
1. ALIGNMENT OF RUMBLE STRIPS SHALL GENERALLY BE STRAIGHT AND OFFSET APPROXIMATELY 4' FROM THE OUTER EDGE OF THE EDGE LINE. THIS OFFSET MAY BE ADJUSTED TO ACCOMMODATE VARIATIONS IN THE EDGE LINE.
 2. THE 1/2" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 16' LENGTH. SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.
 3. RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS, APPROACH SLABS, OR ACROSS TRANSVERSE JOINTS OF CONCRETE SHOULDERS.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	6	37
SPECIAL DETAILS						



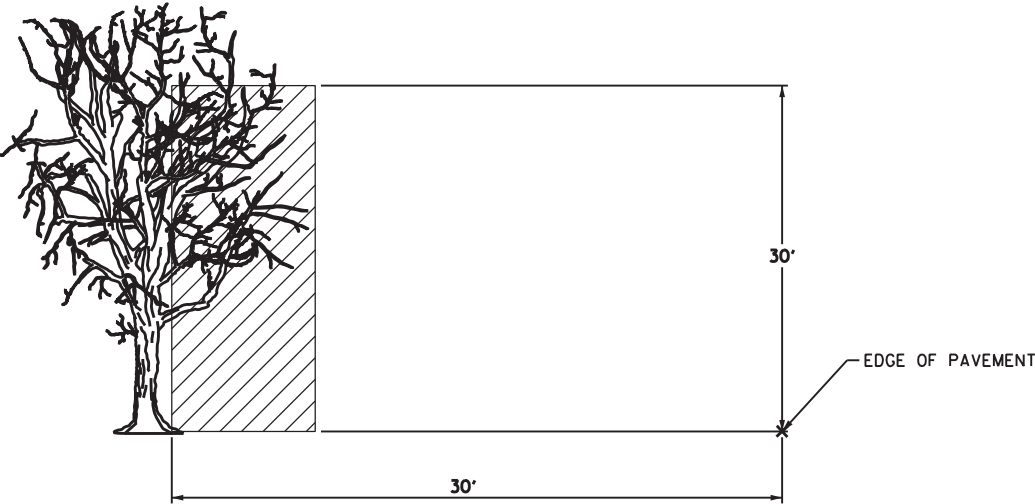
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Date: 2023.05.12

Job 080648
Start Date Mo Year
Est Completion Mo Year
IDRIVE
ARKANSAS.COM



6.0" Radius, 1.3" Border, Black on Orange;
Job XXXXXX C 2K; *Start Date Mo Year* C 2K;
Est Completion Mo Year C 2K; *IDRIVE* Arial;
ARKANSAS.COM Arial;

CONSTRUCTION PROJECT INFORMATION SIGN

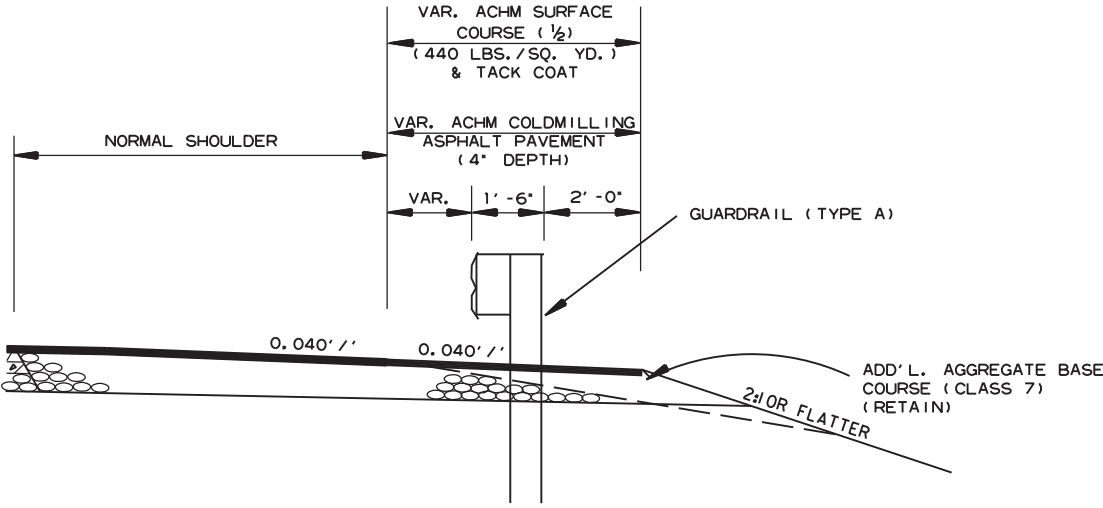


* SPECIAL CLEARING SHALL INCLUDE ALL LIMBS AND OCCASIONAL SMALL TO MEDIUM SIZED TREE PRESENT IN THE DESIGNATED AREA TO BE CLEARED.

 DENOTES AREA TO BE CLEARED

REFER TO SPECIAL PROVISION "SPECIAL CLEARING" FOR ADDITIONAL CLEARING GUIDELINES.

SPECIAL CLEARING



WIDENING FOR GUARDRAIL
I-40 MAIN LANES

NOTE: REFER TO STD. DWG. GR-8,
GR-9, GR-10, GR-11, GR-12,
GRT-1 FOR ADDITIONAL DETAILS

LEGEND

△△△

TRIANGULAR SILT DIKE

E-5

SAND BAG DITCH CHECKS

E-6

ROCK DITCH CHECKS

E-13

FILTER SOCK DROP INLET PROTECTION

E-11

SILT FENCE

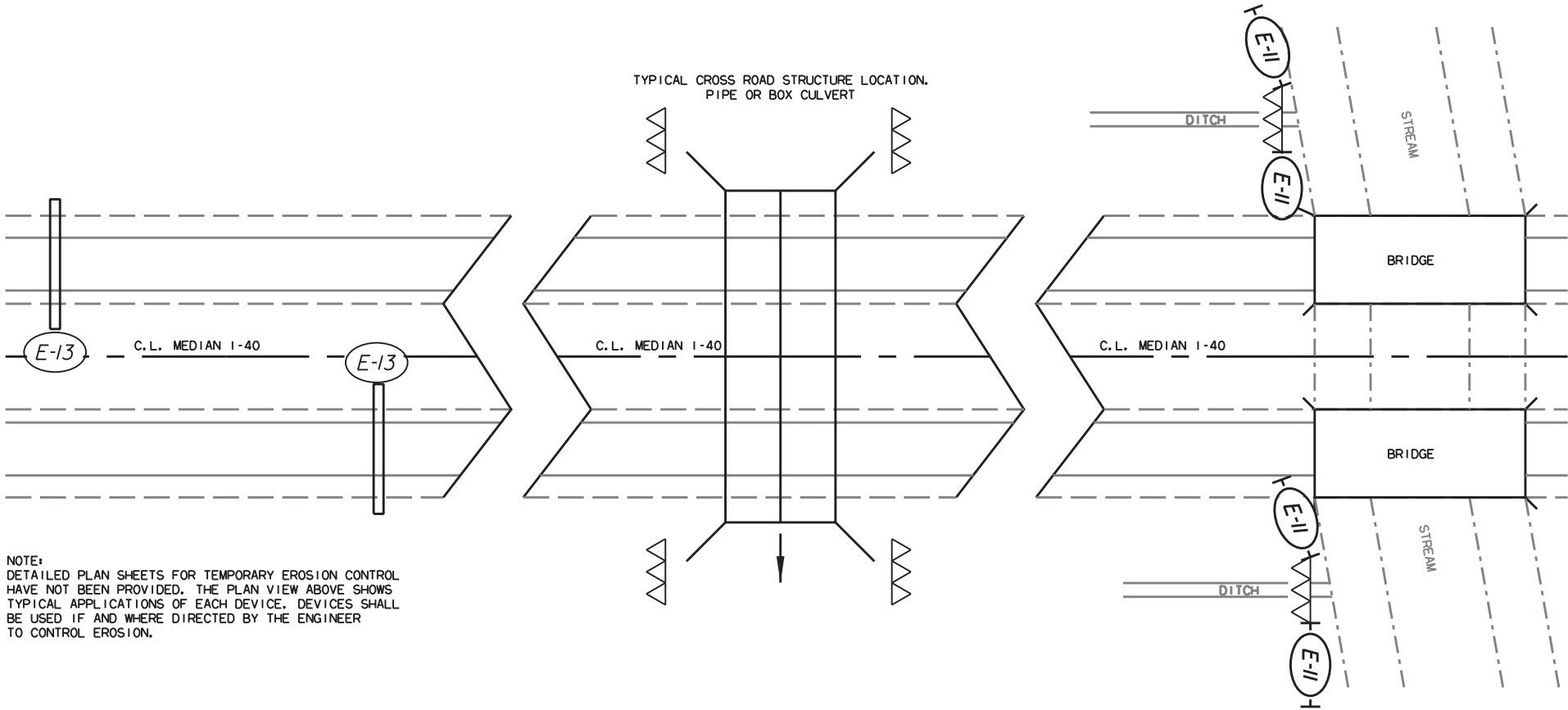
DATE	REVISIONS

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	7	37
TEMPORARY EROSION CONTROL DETAILS						



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EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS LONG AS REQUIRED TO CONTROL EROSION.



NOTE:
DETAILED PLAN SHEETS FOR TEMPORARY EROSION CONTROL HAVE NOT BEEN PROVIDED. THE PLAN VIEW ABOVE SHOWS TYPICAL APPLICATIONS OF EACH DEVICE. DEVICES SHALL BE USED IF AND WHERE DIRECTED BY THE ENGINEER TO CONTROL EROSION.

TYPICAL EROSION CONTROL DEVICE PLACEMENT FOR SPECIAL CLEARING

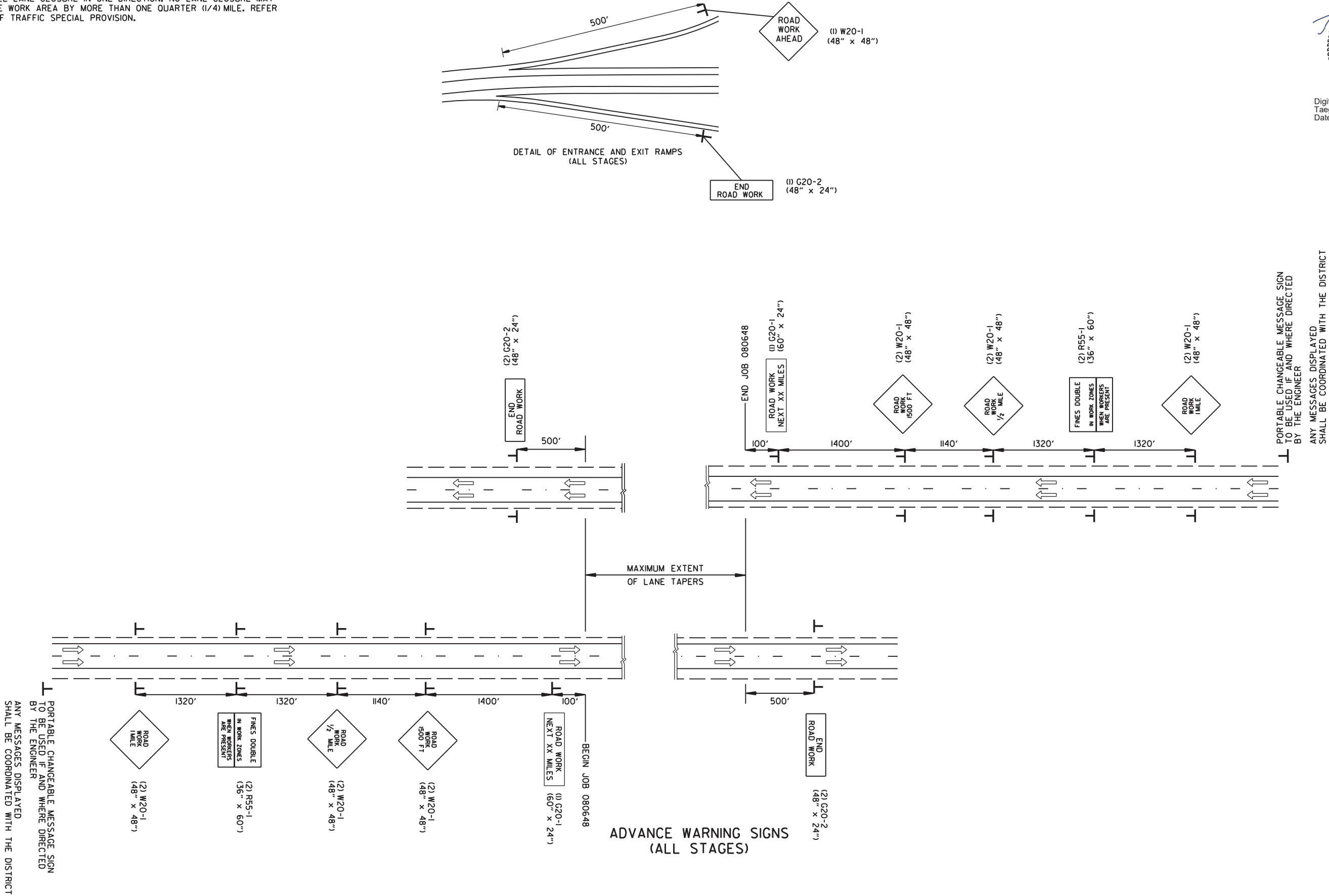
CONSTRUCTION SEQUENCE:

MILL AND OVERLAY PROJECT LIMITS. MILL & OVERLAY OPERATIONS SHALL UTILIZE A SINGLE FOUR (4) MILE LANE CLOSURE IN ONE DIRECTION. NO LANE CLOSURE MAY EXCEED THE ACTIVE WORK AREA BY MORE THAN ONE QUARTER (1/4) MILE. REFER TO MAINTENANCE OF TRAFFIC SPECIAL PROVISION.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	8	37
MAINTENANCE OF TRAFFIC DETAILS						



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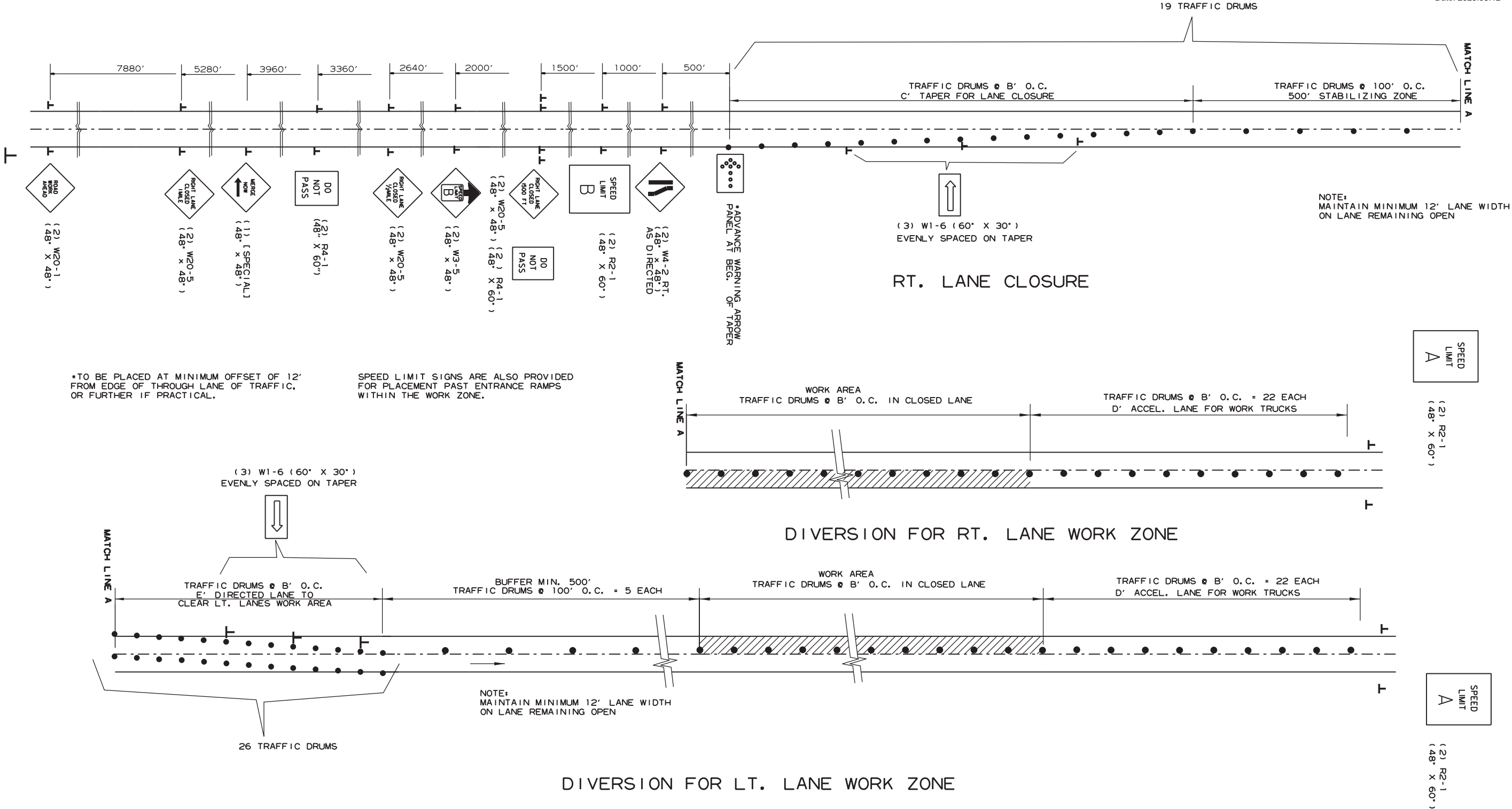
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		6	ARK.	080648	9	37
MAINTENANCE OF TRAFFIC DETAILS						



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Date: 2023.05.12

TABLE OF VARIABLES					
DESIGN SPEED "A"	B	C	D	E	
60	50	720	1100	600	
65	55	780	1210	660	
70	60	840	1320	720	
75	65	900	1430	780	

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

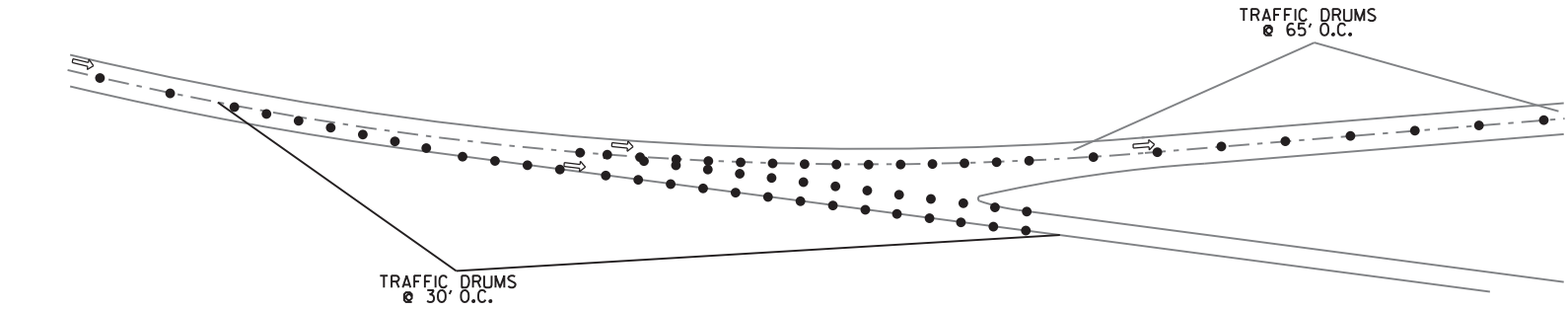


WORK ZONE - LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

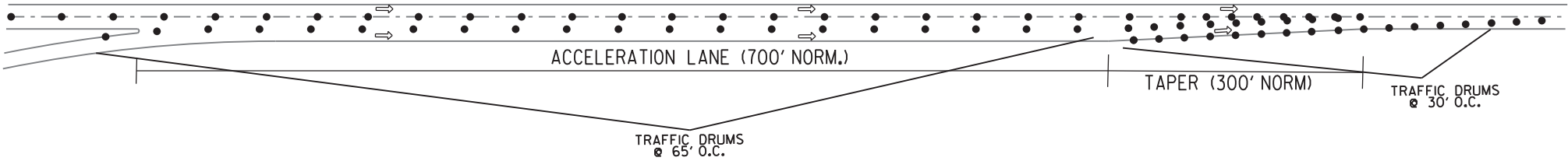
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		6	ARK.	080648	10	37
MAINTENANCE OF TRAFFIC DETAILS						



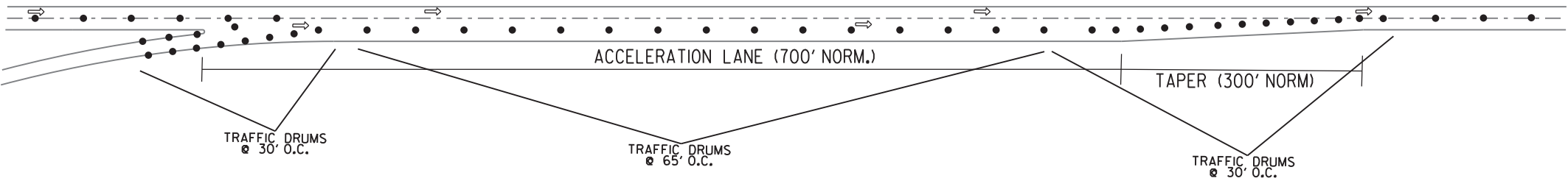
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Date: 2023.05.12



EXIT RAMP - TYPICAL TRAFFIC DRUM LAYOUT
OUTSIDE LANE CLOSURE



ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT
OUTSIDE LANE CLOSURE

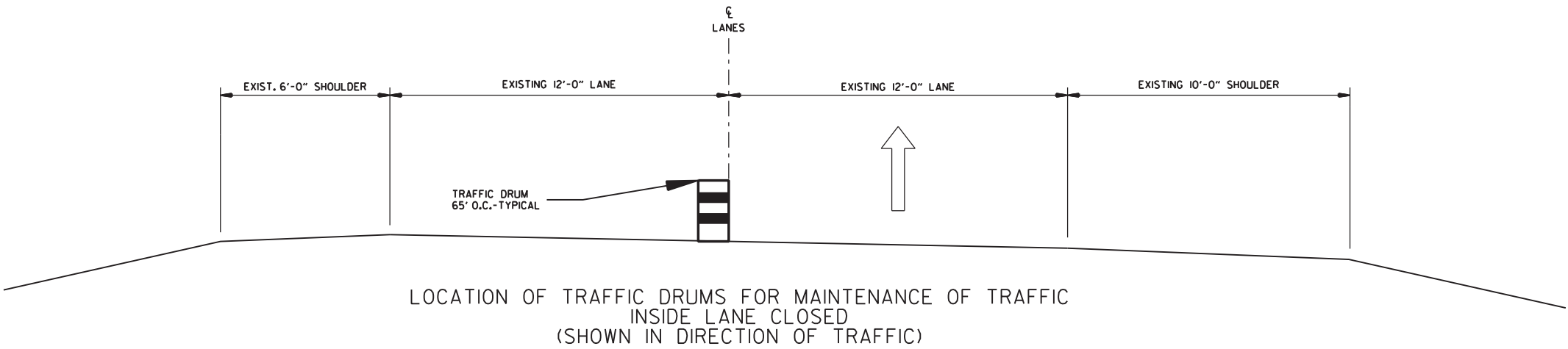
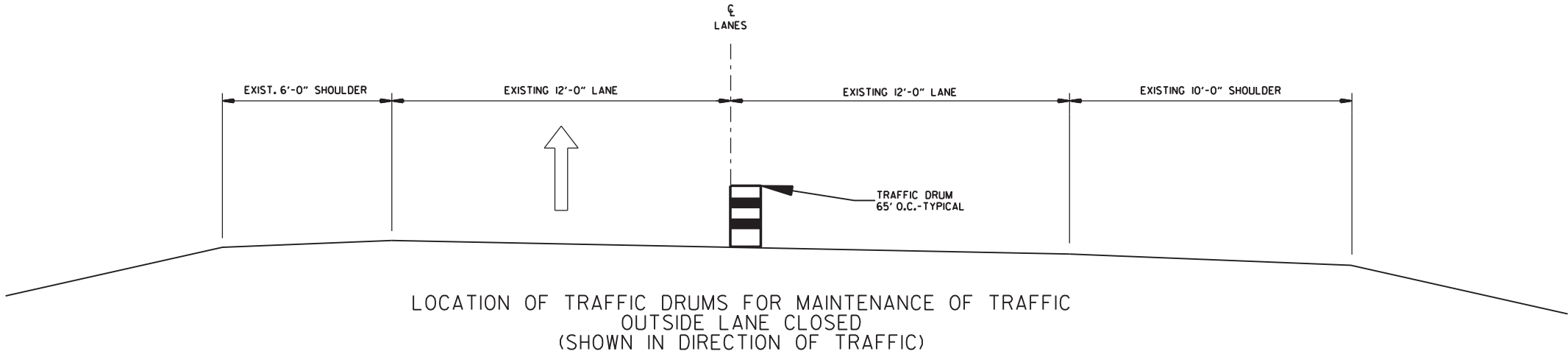


ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT
ACCELERATION LANE CLOSURE

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	11	37
MAINTENANCE OF TRAFFIC DETAILS						



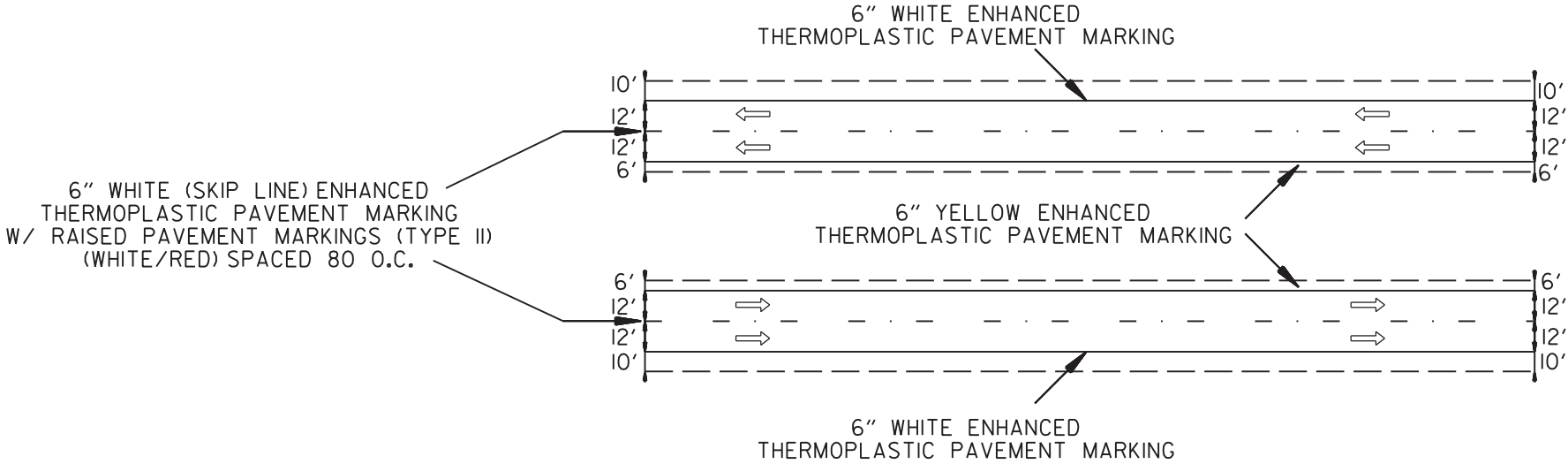
Digitally signed by Thomas N. Taegtmeier
Date: 2023.05.12



DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	12	37
PERMANENT PAVEMENT MARKING DETAILS						



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Date: 2023.05.12



NOTE: SEE PM-1 AND PM-2 FOR ADDITIONAL STRIPING DETAILS.

FINAL STRIPING DETAIL

DATE & TIME: 6/5/2023 9:03:19 AM
FILE: J:\25846.10\080648 - Quantities - Sheets.dgn

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
06/05/23		6	ARK.	080648	13	37
QUANTITIES						



Digitally signed by Thomas N. Taegtmeyer
Date: 2023.06.05

SIGN NUMBER	DESCRIPTION	SIGN SIZE	ENTIRE JOB	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	TRAFFIC DRUMS	* ADVANCE WARNING ARROW PANEL	* PORTABLE CHANGEABLE MESSAGE SIGN	MOBILE SPEED NOTIFICATION SYSTEM
			LIN. FT. - EACH		NO.	SQ. FT.	EACH		DAY	WEEK	EACH
W20-1	ROAD WORK 1500 FT.	48"x48"	4	4	4	64.0					
W20-1	ROAD WORK 1/2 MILE	48"x48"	4	4	4	64.0					
W20-1	ROAD WORK 1 MILE	48"x48"	4	4	4	64.0					
* W20-1	ROAD WORK AHEAD	48"x48"	17	17	17	272.0					
* G20-2	END ROAD WORK	48"x24"	19	19	19	152.0					
G20-1	ROAD WORK NEXT xx MILES	60"x24"	2	2	2	20.0					
W3-5	REDUCED SPEED LIMIT AHEAD	48"x48"	2	2	2	32.0					
* R2-1	SPEED LIMIT	48"x60"	7	7	7	140.0					
W1-6	LARGE ARROW	60"x30"	6	6	6	75.0					
R4-1	DO NOT PASS	48"x60"	4	4	4	80.0					
R55-1	FINE DOUBLES IN WORK ZONES WHEN WORKERS ARE PRESENT	36"x60"	4	4	4	60.0					
* W4-2	RIGHT LANE ENDS	48"x48"	2	2	2	32.0					
W20-5	RIGHT LANE CLOSED 1500 FT.	48"x48"	2	2	2	32.0					
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2	2	2	32.0					
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2	2	2	32.0					
SPECIAL	MERGE NOW	48"x48"	1	1	1	16.0					
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN	96"x48"	2	2	2	64.0					
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE						2				
	TRAFFIC DRUMS		655	655				655			
	MOBILE SPEED NOTIFICATION SYSTEM		1	1							1
	ADVANCE WARNING ARROW PANEL		1	1					242		
	PORTABLE CHANGEABLE MESSAGE SIGN		2	2						96	
TOTALS:					1231.0		2	655	242	96	1

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

* QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.
TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	ENTIRE JOB	CONSTRUCTION PAVEMENT MARKINGS	RAISED PAVEMENT MARKERS	ENHANCED THERMOPLASTIC PAVEMENT MARKING		
			TYPE II	6"		12"
			(WHITE/RED)	WHITE	YELLOW	WHITE
	LIN. FT. - EACH	LIN. FT.	EACH	LIN. FT.		
CONSTRUCTION PAVEMENT MARKINGS	978164	978164				
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	5197		5197			
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	261200			261200		
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	214063				214063	
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	13819					13819
TOTALS:		978164	5197	261200	214063	13819

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

EROSION CONTROL

STATION	STATION	LOCATION	PERMANENT EROSION CONTROL					TEMPORARY EROSION CONTROL				
			SEEDING	LIME	MULCH COVER	WATER	SAND BAG DITCH CHECKS	ROCK DITCH CHECKS	SILT FENCE	DROP INLET SILT SOCK (12")	TRIANGULAR SILT DIKE DITCH CHECKS	*SEDIMENT REMOVAL & DISPOSAL
							(E-5)	(E-6)	(E-11)	(E-13)	LIN. FT.	CU. YD.
							BAG	CU.YD.	LIN. FT.	LIN. FT.		
*ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.			0.90	1.80	0.90	91.8	220	30	1000	1600	2200	116
TOTALS:			0.90	1.80	0.90	91.8	220	30	1000	1600	2200	116

BASIS OF ESTIMATE:
LIME2 TONS / ACRE OF SEEDING
WATER.....102.0 M.G. / ACRE OF SEEDING

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 ON U.S. WATERWAYS AS EXPLAINED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.

*QUANTITIES ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

COLD MILLING ASPHALT PAVEMENT (BOX 1 OF 3)				
STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
I-40 MAIN LANES				
99+87.76	136+24.01	L.M.L.	38.00	15353.06
138+08.19	403+60.14	L.M.L.	38.00	112108.23
411+45.26	449+64.79	L.M.L.	38.00	16126.90
451+69.96	633+73.02	L.M.L.	38.00	76857.36
635+75.48	785+67.24	L.M.L.	38.00	63298.54
790+16.37	968+47.61	L.M.L.	38.00	75287.46
975+03.78	1147+90.00	L.M.L.	38.00	72986.26
100+53.12	136+15.18	R.M.L.	38.00	15039.81
137+99.36	403+80.14	R.M.L.	38.00	112229.96
411+05.26	449+64.79	R.M.L.	38.00	16295.79
451+69.96	633+70.54	R.M.L.	38.00	76846.89
635+76.45	785+67.24	R.M.L.	38.00	63294.45
790+16.37	967+99.22	R.M.L.	38.00	75083.14
974+55.39	1147+90.00	R.M.L.	38.00	73190.58
I-40 AUXILIARY LANES				
106+11.66	108+43.95	L.M.L. EXIT	VAR.	305.62
228+73.32	241+77.92	L.M.L. ENTRANCE	VAR.	1077.94
250+47.30	254+15.10	L.M.L. EXIT	VAR.	551.25
421+42.00	430+66.99	L.M.L. ENTRANCE	VAR.	1243.15
444+99.70	448+08.57	L.M.L. EXIT	VAR.	531.29
529+69.31	539+72.03	L.M.L. ENTRANCE	VAR.	1201.67
555+45.60	559+28.13	L.M.L. EXIT	VAR.	737.74
606+04.88	616+67.70	L.M.L. ENTRANCE	VAR.	1019.27
645+18.08	647+98.12	L.M.L. EXIT	VAR.	461.45
810+60.99	820+13.27	L.M.L. ENTRANCE	VAR.	1032.11
844+91.44	855+73.57	L.M.L. EXIT	VAR.	1241.91
988+28.88	998+39.71	L.M.L. ENTRANCE	VAR.	1647.97
1016+69.05	1019+34.78	L.M.L. EXIT	VAR.	491.54
1093+71.12	1105+20.36	L.M.L. ENTRANCE	VAR.	1256.29
1128+56.30	1131+06.18	L.M.L. EXIT	VAR.	360.21
109+63.34	118+61.00	R.M.L. ENTRANCE	VAR.	1142.93
234+31.45	238+87.10	R.M.L. EXIT	VAR.	715.63
250+16.61	263+99.54	R.M.L. ENTRANCE	VAR.	1239.06
295+91.99	300+80.86	R.M.L. EXIT	VAR.	853.54
318+30.68	329+10.27	R.M.L. ENTRANCE	VAR.	1644.45
620+95.14	623+77.20	R.M.L. EXIT	VAR.	456.15
646+26.82	656+63.82	R.M.L. ENTRANCE	VAR.	1167.33
820+80.46	824+89.22	R.M.L. EXIT	VAR.	772.30
844+67.64	859+82.11	R.M.L. ENTRANCE	VAR.	2114.63
993+86.99	998+06.08	R.M.L. EXIT	VAR.	770.08
1018+58.86	1029+70.16	R.M.L. ENTRANCE	VAR.	1356.59
1103+54.97	1107+51.85	R.M.L. EXIT	VAR.	770.24
1131+88.76	1143+60.88	R.M.L. ENTRANCE	VAR.	1662.95
SUBTOTAL (BOX 1 OF 3):				891823.72

ASPHALT CONCRETE PATCHING FOR
MAINTENANCE OF TRAFFIC

LOCATION	TON	TACK COAT
		GALLON
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	490	980
TOTALS:	490	980

NOTE: QUANTITIES ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.
BASIS OF ESTIMATE:
ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC...25 TON/MILE
TACK COAT FOR MAINTENANCE OF TRAFFIC.....50 GAL./MILE

SPECIAL CLEARING

STATION	STATION	LOCATION	SPECIAL CLEARING
			STATION
100+00	1147+90	ENTIRE PROJECT	1048
TOTAL:			1048

COLD MILLING ASPHALT PAVEMENT (BOX 2 OF 3)				
STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
I-40 RAMPS*				
103+11.80	106+11.66	L.M.L. EXIT	25.00	941.67
241+77.92	243+25.54	L.M.L. ENTRANCE	25.00	533.33
248+92.64	250+47.30	L.M.L. EXIT	25.00	461.11
430+66.99	432+70.66	L.M.L. ENTRANCE	29.00	744.33
442+70.81	444+99.70	L.M.L. EXIT	VAR.	740.79
539+72.03	542+93.14	L.M.L. ENTRANCE	27.00	1077.00
551+59.99	555+45.60	L.M.L. EXIT	VAR.	1249.05
616+67.70	621+00.61	L.M.L. ENTRANCE	25.00	1238.89
639+41.52	645+18.08	L.M.L. EXIT	25.00	1669.44
820+13.27	831+03.56	L.M.L. ENTRANCE	VAR.	3393.63
831+51.76	844+91.44	L.M.L. EXIT	VAR.	4084.86
998+39.71	1001+53.76	L.M.L. ENTRANCE	25.00	916.67
1011+60.71	1016+69.05	L.M.L. EXIT	25.00	1483.33
1105+20.36	1116+15.07	L.M.L. ENTRANCE	VAR.	3647.11
1116+92.94	1128+56.30	L.M.L. EXIT	VAR.	3927.56
107+18.89	109+63.34	R.M.L. ENTRANCE	25.00	686.11
238+87.10	241+18.60	R.M.L. EXIT	25.00	669.44
249+12.27	250+16.61	R.M.L. ENTRANCE	25.00	363.89
300+80.86	303+97.82	R.M.L. EXIT	25.00	888.89
316+43.50	318+30.68	R.M.L. ENTRANCE	VAR.	852.96
623+77.20	628+73.58	R.M.L. EXIT	25.00	1419.44
642+16.98	646+26.82	R.M.L. ENTRANCE	25.00	1152.78
824+89.22	830+14.52	R.M.L. EXIT	25.00	1477.78
837+86.84	844+67.64	R.M.L. ENTRANCE	VAR.	2360.64
998+06.08	1003+37.90	R.M.L. EXIT	25.00	1505.56
1014+83.03	1018+58.86	R.M.L. ENTRANCE	25.00	1097.22
1107+51.85	1120+47.92	R.M.L. EXIT	VAR.	4276.71
1121+38.23	1131+88.76	R.M.L. ENTRANCE	VAR.	3392.29
ADDITIONAL FOR GUARDRAIL WIDENING (1 OF 2)				
99+41.00	102+10.00	LT. OF L.M.L.	5.50	164.39
99+64.00	102+83.00	RT. OF L.M.L.	9.00	319.00
118+84.00	136+48.00	RT. OF R.M.L.	9.00	1744.00
121+58.00	136+62.00	LT. OF L.M.L.	5.50	928.28
133+30.00	136+49.00	LT. OF R.M.L.	9.00	319.00
137+70.00	140+89.00	RT. OF L.M.L.	9.00	319.00
137+73.00	140+42.00	LT. OF L.M.L.	5.50	164.39
149+10.00	174+97.00	RT. OF R.M.L.	5.50	1619.44
206+68.00	221+12.00	RT. OF R.M.L.	5.50	870.83
242+12.00	247+12.00	LT. OF R.M.L.	9.00	500.00
243+13.00	245+82.00	RT. OF R.M.L.	5.50	164.39
244+83.00	249+83.00	RT. OF L.M.L.	9.00	500.00
246+10.00	248+79.00	LT. OF L.M.L.	5.50	164.39
400+98.00	404+17.00	LT. OF R.M.L.	9.00	319.00
401+49.00	404+18.00	RT. OF R.M.L.	5.50	164.39
411+11.00	414+30.00	RT. OF L.M.L.	9.00	319.00
411+12.00	413+81.00	LT. OF L.M.L.	5.50	164.39
446+69.00	449+88.00	LT. OF R.M.L.	9.00	319.00
447+28.00	449+97.00	RT. OF R.M.L.	5.50	164.39
451+34.00	454+03.00	LT. OF L.M.L.	5.50	164.39
451+36.00	454+55.00	RT. OF L.M.L.	9.00	319.00
480+84.00	484+84.00	LT. OF R.M.L.	9.00	400.00
481+52.00	485+46.00	RT. OF R.M.L.	5.50	244.44
482+59.00	485+90.00	LT. OF L.M.L.	5.50	198.61
483+14.00	486+99.00	RT. OF L.M.L.	9.00	375.00
SUBTOTAL (BOX 2 OF 3):				57181.20

*STATIONS BASED ON MAIN LANES
STOCKPILE LOCATIONS: **POPE COUNTY**
SITE 1: LAT: 35.3319877, LONG: -93.2451819
INTERSECTION OF U.S. HWY. 64 & HAYES LANE, LONDON, AR.
SITE 2: LAT: 35.3001291, LONG: -93.1092012
1919 OLD HWY. 124, RUSSELLVILLE, AR.
JOHNSON COUNTY
SITE: LAT: 35.38291, LONG: -93.36756
SCHOOL ST., KNOXVILLE, AR.

COLD MILLING ASPHALT PAVEMENT (BOX 3 OF 3)				
STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
ADDITIONAL FOR GUARDRAIL WIDENING (2 OF 2)				
512+99.00	516+74.00	LT. OF R.M.L.	9.00	375.00
521+37.00	525+37.00	LT. OF R.M.L.	9.00	400.00
525+09.00	528+62.00	LT. OF L.M.L.	5.50	215.72
573+02.00	577+02.00	LT. OF R.M.L.	5.50	244.44
573+78.00	576+47.00	RT. OF R.M.L.	9.00	269.00
576+29.00	580+29.00	RT. OF L.M.L.	9.00	400.00
576+79.00	579+48.00	LT. OF L.M.L.	5.50	164.39
582+51.00	585+76.00	LT. OF L.M.L.	5.50	198.61
622+86.00	631+49.00	RT. OF R.M.L. EXIT RAMP	5.50	504.17
629+49.00	633+93.00	LT. OF R.M.L.	9.00	444.00
630+47.00	633+91.00	LT. OF L.M.L.	9.00	344.00
630+68.00	633+87.00	RT. OF R.M.L.	9.00	319.00
630+74.00	633+93.00	RT. OF L.M.L.	9.00	319.00
635+52.00	638+71.00	RT. OF R.M.L.	9.00	319.00
635+55.00	638+74.00	LT. OF R.M.L.	9.00	319.00
635+58.00	640+02.00	RT. OF L.M.L.	9.00	444.00
635+76.00	638+70.00	LT. OF L.M.L.	9.00	294.00
728+12.00	735+62.00	RT. OF R.M.L.	5.50	458.33
729+71.00	736+21.00	LT. OF L.M.L.	5.50	397.22
747+05.00	752+05.00	RT. OF R.M.L.	5.50	305.56
747+36.00	751+11.00	LT. OF R.M.L.	5.50	229.17
750+69.00	754+44.00	RT. OF L.M.L.	9.00	375.00
750+70.00	753+95.00	LT. OF L.M.L.	5.50	198.61
756+42.00	762+46.00	RT. OF R.M.L.	5.50	366.67
761+56.00	765+33.00	LT. OF L.M.L.	5.50	230.39
783+21.00	785+90.00	RT. OF R.M.L.	5.50	164.39
782+72.00	785+91.00	LT. OF R.M.L.	9.00	319.00
789+94.00	793+38.00	RT. OF L.M.L.	9.00	344.00
789+94.00	792+63.00	LT. OF L.M.L.	5.50	164.39
829+84.00	835+09.00	LT. OF R.M.L.	5.50	320.83
832+81.00	838+07.00	RT. OF L.M.L.	5.50	321.44
906+92.00	921+54.00	RT. OF R.M.L.	9.00	1425.00
965+07.00	968+26.00	LT. OF R.M.L.	9.00	319.00
965+56.00	968+25.00	RT. OF R.M.L.	5.50	164.39
974+29.00	982+73.00	RT. OF R.M.L.	9.00	844.00
974+78.00	977+97.00	RT. OF L.M.L.	9.00	319.00
974+79.00	977+48.00	LT. OF L.M.L.	5.50	164.39
1004+79.00	1009+29.00	LT. OF R.M.L.	5.50	275.00
1007+10.00	1012+35.00	RT. OF L.M.L.	5.50	320.83
1058+75.00	1062+00.00	LT. OF L.M.L.	5.50	198.61
1069+62.00	1074+87.00	LT. OF R.M.L.	9.00	525.00
1070+70.00	1073+39.00	RT. OF R.M.L.	5.50	164.39
1072+23.00	1077+73.00	RT. OF L.M.L.	5.50	336.11
1073+77.00	1076+71.00	LT. OF L.M.L.	9.00	294.00
1078+33.00	1081+62.00	LT. OF L.M.L.	5.50	201.06
1114+77.00	1120+27.00	LT. OF R.M.L.	9.00	550.00
1117+58.00	1123+07.00	RT. OF L.M.L.	5.50	259.72
SUBTOTAL (BOX 3 OF 3):				16128.83
SUBTOTAL (BOX 1 OF 3):				891823.72
SUBTOTAL (BOX 2 OF 3):				57181.20
TOTAL:				965133.75

*STATIONS BASED ON MAIN LANES.
STOCKPILE LOCATIONS: **POPE COUNTY**
SITE 1: LAT: 35.3319877, LONG: -93.2451819
INTERSECTION OF U.S. HWY. 64 & HAYES LANE, LONDON, AR.
SITE 2: LAT: 35.3001291, LONG: -93.1092012
1919 OLD HWY. 124, RUSSELLVILLE, AR.
JOHNSON COUNTY
SITE: LAT: 35.38291, LONG: -93.36756
SCHOOL ST., KNOXVILLE, AR.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	14	37
QUANTITIES						



Digitally signed by Thomas N. Taegtmeyer
Date: 2023.05.12

REMOVAL AND DISPOSAL OF GUARDRAIL			
STATION	STATION	LOCATION	GUARDRAIL
			LIN. FT.
I-40			
99+41	102+10	LT. OF L.M.L.	269
99+64	102+83	RT. OF L.M.L.	319
118+84	136+48	RT. OF R.M.L.	1744
121+58	136+62	LT. OF L.M.L.	1519
133+30	136+49	LT. OF R.M.L.	319
137+70	140+89	RT. OF L.M.L.	319
137+73	140+42	LT. OF L.M.L.	269
149+10	174+97	RT. OF R.M.L.	2650
206+68	221+12	RT. OF R.M.L.	1425
242+12	247+12	LT. OF R.M.L.	500
243+13	245+82	RT. OF R.M.L.	269
244+83	249+83	RT. OF L.M.L.	500
246+10	248+79	LT. OF L.M.L.	269
400+98	404+17	LT. OF R.M.L.	319
401+49	404+18	RT. OF R.M.L.	269
411+11	414+30	RT. OF L.M.L.	319
411+12	413+81	LT. OF L.M.L.	269
446+69	449+88	LT. OF R.M.L.	319
447+28	449+97	RT. OF R.M.L.	269
451+34	454+03	LT. OF L.M.L.	269
451+36	454+55	RT. OF L.M.L.	319
480+84	484+84	LT. OF R.M.L.	400
481+52	485+46	RT. OF R.M.L.	400
482+59	485+90	LT. OF L.M.L.	325
483+14	486+99	RT. OF L.M.L.	375
512+99	516+74	LT. OF R.M.L.	375
521+37	525+37	LT. OF R.M.L.	400
525+09	528+62	LT. OF L.M.L.	350
573+02	577+02	LT. OF R.M.L.	400
573+78	576+47	RT. OF R.M.L.	269
576+29	580+29	RT. OF L.M.L.	400
576+79	579+48	LT. OF L.M.L.	269
582+51	585+76	LT. OF L.M.L.	325
622+86	631+49	RT. OF R.M.L. EXIT RAMP	825
629+49	633+93	LT. OF R.M.L.	444
630+47	633+91	LT. OF L.M.L.	344
630+68	633+87	RT. OF R.M.L.	319
630+74	633+93	RT. OF L.M.L.	319
635+52	638+71	RT. OF R.M.L.	319
635+55	638+74	LT. OF R.M.L.	319
635+58	640+02	RT. OF L.M.L.	444
635+76	638+70	LT. OF L.M.L.	294
728+12	735+62	RT. OF R.M.L.	750
729+71	736+21	LT. OF L.M.L.	650
747+05	752+05	RT. OF R.M.L.	500
747+36	751+11	LT. OF R.M.L.	375
750+60	754+44	RT. OF L.M.L.	375
750+70	753+95	LT. OF L.M.L.	325
756+42	762+46	RT. OF R.M.L.	600
761+56	765+33	LT. OF L.M.L.	375
782+72	785+91	LT. OF R.M.L.	319
783+21	785+90	RT. OF R.M.L.	269
789+94	793+38	RT. OF L.M.L.	344
789+94	792+63	LT. OF L.M.L.	269
829+84	835+09	LT. OF R.M.L.	525
832+81	838+06	RT. OF L.M.L.	525
906+92	921+54	RT. OF R.M.L.	1425
965+56	968+25	RT. OF R.M.L.	269
965+07	968+26	LT. OF R.M.L.	319
974+29	982+73	RT. OF R.M.L.	844
974+78	977+97	RT. OF L.M.L.	319
974+79	977+48	LT. OF L.M.L.	269
1004+79	1009+29	LT. OF R.M.L.	450
1007+10	1012+35	RT. OF L.M.L.	525
1058+75	1062+00	LT. OF L.M.L.	325
1069+62	1074+87	LT. OF R.M.L.	525
1070+70	1073+39	RT. OF R.M.L.	269
1072+23	1077+73	RT. OF L.M.L.	550
1073+77	1076+71	LT. OF L.M.L.	294
1078+33	1081+62	LT. OF L.M.L.	325
1114+77	1120+27	LT. OF R.M.L.	550
1117+58	1123+07	RT. OF L.M.L.	425
TOTAL:			34522

GUARDRAIL						
STATION	STATION	LOCATION	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
			LIN. FT.	EACH		
I-40						
99+41	102+10	LT. OF L.M.L.	200	1	1	
99+64	102+83	RT. OF L.M.L.	250	1	1	
118+84	136+48	RT. OF R.M.L.	1675	1	1	
121+58	136+62	LT. OF L.M.L.	1450	1	1	
133+30	136+49	LT. OF R.M.L.	250	1	1	
137+70	140+89	RT. OF L.M.L.	250	1	1	
137+73	140+42	LT. OF L.M.L.	200	1	1	
149+10	174+97	RT. OF R.M.L.	2600		1	1
206+68	221+12	RT. OF R.M.L.	1375		1	1
242+12	247+12	LT. OF R.M.L.	450		1	1
243+13	245+82	RT. OF R.M.L.	200	1	1	
244+83	249+83	RT. OF L.M.L.	450		1	1
246+10	248+79	LT. OF L.M.L.	200	1	1	
400+98	404+17	LT. OF R.M.L.	250	1	1	
401+49	404+18	RT. OF R.M.L.	200	1	1	
411+11	414+30	RT. OF L.M.L.	250	1	1	
411+12	413+81	LT. OF L.M.L.	200	1	1	
446+69	449+97	LT. OF R.M.L.	250	1	1	
447+28	449+97	RT. OF R.M.L.	200	1	1	
451+34	454+03	LT. OF L.M.L.	200	1	1	
451+36	454+55	RT. OF L.M.L.	250	1	1	
480+84	484+84	LT. OF R.M.L.	350		1	1
481+52	485+46	RT. OF R.M.L.	350		1	1
482+59	485+90	LT. OF L.M.L.	275		1	1
483+14	486+99	RT. OF L.M.L.	325		1	1
512+99	516+74	LT. OF R.M.L.	325		1	1
521+37	525+37	LT. OF R.M.L.	350		1	1
525+09	528+62	LT. OF L.M.L.	300		1	1
573+02	577+02	LT. OF R.M.L.	350		1	1
573+78	576+47	RT. OF R.M.L.	200	1	1	
576+29	580+29	RT. OF L.M.L.	350		1	1
576+79	579+48	LT. OF L.M.L.	200	1	1	
582+51	585+76	LT. OF L.M.L.	275		1	1
622+86	631+49	RT. OF R.M.L. EXIT RAMP	775		1	1
629+49	633+93	LT. OF R.M.L.	375	1	1	
630+47	633+91	LT. OF L.M.L.	325	1		1
630+68	633+87	RT. OF R.M.L.	250	1	1	
630+74	633+93	RT. OF L.M.L.	300	1		1
635+52	638+71	RT. OF R.M.L.	300	1		1
635+55	638+74	LT. OF R.M.L.	300	1		1
635+58	640+02	RT. OF L.M.L.	375	1	1	
635+76	638+70	LT. OF L.M.L.	225	1	1	
728+12	735+62	RT. OF R.M.L.	700		1	1
729+71	736+21	LT. OF L.M.L.	600		1	1
747+05	752+05	RT. OF R.M.L.	450		1	1
747+36	751+11	LT. OF R.M.L.	325		1	1
750+60	754+44	RT. OF L.M.L.	325		1	1
750+70	753+95	LT. OF L.M.L.	275		1	1
756+42	762+46	RT. OF R.M.L.	550		1	1
761+56	765+33	LT. OF L.M.L.	325		1	1
782+72	785+91	LT. OF R.M.L.	250	1	1	
783+21	785+90	RT. OF R.M.L.	200	1	1	
789+94	793+38	RT. OF L.M.L.	275	1	1	
789+94	792+63	LT. OF L.M.L.	200	1	1	
829+84	835+09	LT. OF R.M.L.	475		1	1
832+81	838+06	RT. OF L.M.L.	475		1	1
906+92	921+54	RT. OF R.M.L.	1375		1	1
965+56	968+25	RT. OF R.M.L.	200	1	1	
965+07	968+26	LT. OF R.M.L.	250	1	1	
974+29	982+73	RT. OF R.M.L.	825	1		1
974+78	977+97	RT. OF L.M.L.	250	1	1	
974+79	977+48	LT. OF L.M.L.	200	1	1	
1004+79	1009+29	LT. OF R.M.L.	400		1	1
1007+10	1012+35	RT. OF L.M.L.	475		1	1
1058+75	1062+00	LT. OF L.M.L.	275		1	1
1069+62	1074+87	LT. OF R.M.L.	475		1	1
1070+70	1073+39	RT. OF R.M.L.	200	1	1	
1072+23	1077+73	RT. OF L.M.L.	500		1	1
1073+77	1076+71	LT. OF L.M.L.	225	1	1	
1078+33	1081+62	LT. OF L.M.L.	275		1	1
1114+77	1120+27	LT. OF R.M.L.	500		1	1
1117+58	1123+07	RT. OF L.M.L.	375		1	1
TOTALS:			30450	38	67	39

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	15	37
QUANTITIES						

RUMBLE STRIPS IN ASPHALT SHOULDERS

STATION	STATION	LOCATION	* RUMBLE STRIPS IN ASPHALT SHOULDERS
			LIN.FT.
100+00.00	136+24.01	L.M.L.	7248
138+08.19	403+60.14	L.M.L.	53104
411+45.26	449+64.79	L.M.L.	7640
451+69.96	633+73.02	L.M.L.	36406
635+75.48	785+67.24	L.M.L.	29984
790+16.37	968+47.61	L.M.L.	35662
975+03.78	1147+90.00	L.M.L.	34572
TOTAL:			409348

* QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	2000
TOTAL:	2000

NOTE: QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

FLUSHING UNDERDRAIN

STATION	STATION	LOCATIONS	FLUSHING UNDERDRAINS	UNDERDRAIN VIDEO INSPECTION
			LIN. FT.	
99+87.76	136+24.01	L.M.L.	4536	4536
138+08.19	403+60.14	L.M.L.	32972	32972
411+45.26	449+64.79	L.M.L.	4780	4780
451+69.96	633+73.02	L.M.L.	22583	22583
635+75.48	785+67.24	L.M.L.	18592	18592
790+16.37	968+47.61	L.M.L.	22151	22151
975+03.78	1147+90.00	L.M.L.	21486	21486
100+53.12	136+15.18	R.M.L.	4462	4462
137+99.36	152+09.00	R.M.L.	1770	1770
156+21.00	403+80.14	R.M.L.	30759	30759
411+05.26	449+64.79	R.M.L.	4820	4820
451+69.96	633+70.54	R.M.L.	22581	22581
635+76.45	785+67.24	R.M.L.	18591	18591
790+16.37	967+99.22	R.M.L.	22103	22103
974+55.39	1147+90.00	R.M.L.	21535	21535
* ENTIRE PROJECT	TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER			12700
TOTALS:			253721	266421

* NOTE: QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.



Digitally signed by Thomas N. Taegtmeyer
Date: 2023.05.12

BASE AND SURFACING (BOX 1 OF 2)															
STATION	STATION	LOCATION	LENGTH	TACK COAT						ACHM SURFACE COURSE (1/2")					
				(0.05 GAL. PER SQ. YD.)			(0.17 GAL. PER SQ. YD.)			TOTAL GALLONS	AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 76-22	TOTAL PG 76-22
				TOTAL WID.	SQ.YD.	GALLON	TOTAL WID.	SQ.YD.	GALLON						
			FEET	FEET			FEET			FEET			FEET		TON
I-40 MAIN LANES															
99+87.76	136+24.01	L.M.L.	3636.25	38.00	15353.06	767.65	38.00	15353.06	2610.02	3377.67	38.00	15353.06	440.00	3377.67	3377.67
138+08.19	403+60.14	L.M.L.	26551.95	38.00	112108.23	5605.41	38.00	112108.23	19058.40	24663.81	38.00	112108.23	440.00	24663.81	24663.81
411+45.26	449+64.79	L.M.L.	3819.53	38.00	16126.90	806.35	38.00	16126.90	2741.57	3547.92	38.00	16126.90	440.00	3547.92	3547.92
451+69.96	633+73.02	L.M.L.	18203.06	38.00	76857.36	3842.87	38.00	76857.36	13065.75	16908.62	38.00	76857.36	440.00	16908.62	16908.62
635+75.48	785+67.24	L.M.L.	14991.70	38.00	63298.54	3164.93	38.00	63298.54	10760.75	13925.68	38.00	63298.54	440.00	13925.68	13925.68
790+16.37	968+47.61	L.M.L.	17831.24	38.00	75287.46	3764.37	38.00	75287.46	12798.87	16563.24	38.00	75287.46	440.00	16563.24	16563.24
975+03.78	1147+90.00	L.M.L.	17286.22	38.00	72986.26	3649.31	38.00	72986.26	12407.66	16056.97	38.00	72986.26	440.00	16056.98	16056.98
100+53.12	136+15.18	R.M.L.	3562.06	38.00	15039.81	751.99	38.00	15039.81	2556.77	3308.76	38.00	15039.81	440.00	3308.76	3308.76
137+99.36	403+80.14	R.M.L.	26580.78	38.00	112229.96	5611.50	38.00	112229.96	19079.09	24690.59	38.00	112229.96	440.00	24690.59	24690.59
411+05.26	449+64.79	R.M.L.	3859.53	38.00	16295.79	814.79	38.00	16295.79	2770.28	3585.07	38.00	16295.79	440.00	3585.07	3585.07
451+69.96	633+70.54	R.M.L.	18200.58	38.00	76846.89	3842.34	38.00	76846.89	13063.97	16906.31	38.00	76846.89	440.00	16906.32	16906.32
635+76.45	785+67.24	R.M.L.	14990.79	38.00	63294.45	3164.72	38.00	63294.45	10760.06	13924.78	38.00	63294.45	440.00	13924.78	13924.78
790+16.37	967+99.22	R.M.L.	17782.85	38.00	75083.14	3754.16	38.00	75083.14	12764.13	16518.29	38.00	75083.14	440.00	16518.29	16518.29
974+55.39	1147+90.00	R.M.L.	17334.61	38.00	73190.58	3659.53	38.00	73190.58	12442.40	16101.93	38.00	73190.58	440.00	16101.93	16101.93
I-40 AUXILIARY LANE															
106+11.66	108+43.95	L.M.L. EXIT	232.29	VAR.	305.62	15.28	VAR.	305.62	51.96	67.24	VAR.	305.62	440.00	67.24	67.24
228+73.32	241+77.92	L.M.L. ENTRANCE	1304.60	VAR.	1077.94	53.90	VAR.	1077.94	183.25	237.15	VAR.	1077.94	440.00	237.15	237.15
250+47.30	254+15.10	L.M.L. EXIT	367.80	VAR.	551.25	27.56	VAR.	551.25	93.71	121.27	VAR.	551.25	440.00	121.28	121.28
421+42.00	430+66.99	L.M.L. ENTRANCE	924.99	VAR.	1243.15	62.16	VAR.	1243.15	211.34	273.50	VAR.	1243.15	440.00	273.49	273.49
444+09.70	448+08.57	L.M.L. EXIT	308.87	VAR.	531.29	26.66	VAR.	531.29	90.32	116.88	VAR.	531.29	440.00	116.88	116.88
529+69.31	539+72.03	L.M.L. ENTRANCE	1002.72	VAR.	1201.67	60.08	VAR.	1201.67	204.28	264.36	VAR.	1201.67	440.00	264.37	264.37
555+45.60	559+28.13	L.M.L. EXIT	382.53	VAR.	737.74	36.89	VAR.	737.74	125.42	162.31	VAR.	737.74	440.00	162.30	162.30
606+04.89	616+67.70	L.M.L. ENTRANCE	1062.81	VAR.	1019.27	50.96	VAR.	1019.27	173.28	224.24	VAR.	1019.27	440.00	224.24	224.24
645+18.08	647+98.12	L.M.L. EXIT	280.04	VAR.	461.45	23.07	VAR.	461.45	78.45	101.52	VAR.	461.45	440.00	101.52	101.52
810+60.99	820+13.27	L.M.L. ENTRANCE	952.28	VAR.	1032.11	51.61	VAR.	1032.11	175.46	227.07	VAR.	1032.11	440.00	227.06	227.06
844+91.44	855+73.57	L.M.L. EXIT	1082.13	VAR.	1241.91	62.10	VAR.	1241.91	211.12	273.22	VAR.	1241.91	440.00	273.22	273.22
988+28.88	998+39.71	L.M.L. ENTRANCE	1010.83	VAR.	1647.97	82.40	VAR.	1647.97	280.15	362.55	VAR.	1647.97	440.00	362.55	362.55
1016+69.05	1019+34.78	L.M.L. EXIT	265.73	VAR.	491.54	24.58	VAR.	491.54	83.56	108.14	VAR.	491.54	440.00	108.14	108.14
1093+71.12	1105+20.36	L.M.L. ENTRANCE	1149.24	VAR.	1256.29	62.81	VAR.	1256.29	213.57	276.38	VAR.	1256.29	440.00	276.38	276.38
1128+56.30	1131+06.18	L.M.L. EXIT	249.88	VAR.	360.21	18.01	VAR.	360.21	61.24	79.25	VAR.	360.21	440.00	79.25	79.25
109+63.34	118+61.00	R.M.L. ENTRANCE	897.66	VAR.	1142.93	57.15	VAR.	1142.93	194.30	251.45	VAR.	1142.93	440.00	251.44	251.44
234+31.45	238+87.10	R.M.L. EXIT	455.65	VAR.	715.63	35.78	VAR.	715.63	121.66	157.44	VAR.	715.63	440.00	157.44	157.44
250+16.61	263+99.54	R.M.L. ENTRANCE	1382.93	VAR.	1239.06	61.95	VAR.	1239.06	210.64	272.59	VAR.	1239.06	440.00	272.59	272.59
295+91.99	300+80.86	R.M.L. EXIT	488.87	VAR.	1033.20	51.66	VAR.	1033.20	175.64	227.30	VAR.	1033.20	440.00	227.30	227.30
318+30.68	329+10.27	R.M.L. ENTRANCE	1079.59	VAR.	1644.45	82.22	VAR.	1644.45	279.56	361.78	VAR.	1644.45	440.00	361.78	361.78
620+95.14	623+77.20	R.M.L. EXIT	282.06	VAR.	456.15	22.81	VAR.	456.15	77.55	100.36	VAR.	456.15	440.00	100.35	100.35
646+26.82	656+63.82	R.M.L. ENTRANCE	1037.00	VAR.	1167.33	58.37	VAR.	1167.33	198.45	256.82	VAR.	1167.33	440.00	256.81	256.81
820+80.46	824+89.22	R.M.L. EXIT	408.76	VAR.	772.30	38.62	VAR.	772.30	131.29	169.91	VAR.	772.30	440.00	169.91	169.91
844+67.64	859+82.11	R.M.L. ENTRANCE	1514.47	VAR.	2114.63	105.73	VAR.	2114.63	359.49	465.22	VAR.	2114.63	440.00	465.22	465.22
993+86.99	998+06.08	R.M.L. EXIT	419.09	VAR.	770.08	38.50	VAR.	770.08	130.91	169.41	VAR.	770.08	440.00	169.42	169.42
1018+58.86	1029+70.16	R.M.L. ENTRANCE	1111.30	VAR.	1338.81	66.94	VAR.	1338.81	227.60	294.54	VAR.	1338.81	440.00	294.54	294.54
1103+54.97	1107+51.85	R.M.L. EXIT	396.88	VAR.	770.24	38.51	VAR.	770.24	130.94	169.45	VAR.	770.24	440.00	169.45	169.45
1131+88.76	1143+60.88	R.M.L. ENTRANCE	1172.12	VAR.	1662.95	83.15	VAR.	1662.95	282.70	365.85	VAR.	1662.95	440.00	365.85	365.85
I-40 RAMPS*															
103+11.80	106+11.66	L.M.L. EXIT	339.00	25.00	941.67	47.08	25.00	941.67	160.08	207.16	25.00	941.67	440.00	207.17	207.17
241+77.92	243+25.54	L.M.L. ENTRANCE	192.00	25.00	533.33	26.67	25.00	533.33	90.67	117.34	25.00	533.33	440.00	117.33	117.33
248+92.64	250+47.30	L.M.L. EXIT	166.00	25.00	461.11	23.06	25.00	461.11	78.39	101.45	25.00	461.11	440.00	101.44	101.44
430+66.99	432+70.66	L.M.L. ENTRANCE	231.00	29.00	744.33	37.22	29.00	744.33	126.54	163.76	29.00	744.33	440.00	163.75	163.75
442+70.81	444+99.70	L.M.L. EXIT	246.58	VAR.	740.79	37.04	VAR.	740.79	125.93	162.97	VAR.	740.79	440.00	162.97	162.97
539+72.03	542+93.14	L.M.L. ENTRANCE	359.00	27.00	1077.00	53.85	27.00	1077.00	183.09	236.94	27.00	1077.00	440.00	236.94	236.94
551+59.99	555+45.60	L.M.L. EXIT	417.22	VAR.	1249.05	62.45	VAR.	1249.05	212.34	274.79	VAR.	1249.05	440.00	274.79	274.79
616+67.70	621+00.61	L.M.L. ENTRANCE	446.00	25.00	1238.89	61.94	25.00	1238.89	210.61	272.55	25.00	1238.89	440.00	272.56	272.56
639+41.52	645+18.08	L.M.L. EXIT	601.00	25.00	1669.44	83.47	25.00	1669.44	283.80	367.27	25.00	1669.44	440.00	367.28	367.28
820+13.27	831+03.56	L.M.L. ENTRANCE	1171.87	VAR.	3393.63	169.68	VAR.	3393.63	576.92	746.60	VAR.	3393.63	440.00	746.60	746.60
831+51.76	844+91.44	L.M.L. EXIT	1406.16	VAR.	4084.86	204.24	VAR.	4084.86	694.43	898.67	VAR.	4084.86	440.00	898.67	898.67
998+39.71	1001+53.76	L.M.L. ENTRANCE	330.00	25.00	916.67	45.83	25.00	916.67	155.83	201.66	25.00	916.67	440.00	201.67	201.67
1011+60.71	1016+69.05	L.M.L													

BASE AND SURFACING (BOX 2 OF 2)															
STATION	STATION	LOCATION	LENGTH	TACK COAT						ACHM SURFACE COURSE (1/2")					
				(0.05 GAL. PER SQ. YD.)			(0.17 GAL. PER SQ. YD.)			TOTAL GALLONS	AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 76-22	TOTAL PG 76-22
				TOTAL WID.	SQ.YD.	GALLON	TOTAL WID.	SQ.YD.	GALLON						
ADDITIONAL FOR GUARDRAIL WIDENING															
99+41.00	102+10.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
99+64.00	102+83.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
118+84.00	136+48.00	RT. OF R.M.L.	1744.00	9.00	1744.00	87.20				87.20	9.00	1744.00	440.00	383.68	383.68
121+58.00	136+62.00	LT. OF L.M.L.	1519.00	5.50	928.28	46.41				46.41	5.50	928.28	440.00	204.22	204.22
133+30.00	136+49.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
137+70.00	140+89.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
137+73.00	140+42.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
149+10.00	174+97.00	RT. OF R.M.L.	2650.00	5.50	1619.44	80.97				80.97	5.50	1619.44	440.00	356.28	356.28
206+68.00	221+12.00	RT. OF R.M.L.	1425.00	5.50	870.83	43.54				43.54	5.50	870.83	440.00	191.58	191.58
242+12.00	247+12.00	LT. OF R.M.L.	500.00	9.00	500.00	25.00				25.00	9.00	500.00	440.00	110.00	110.00
243+13.00	245+82.00	RT. OF R.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
244+83.00	249+83.00	RT. OF L.M.L.	500.00	9.00	500.00	25.00				25.00	9.00	500.00	440.00	110.00	110.00
246+10.00	248+79.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
400+98.00	404+17.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
401+49.00	404+18.00	RT. OF R.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
411+11.00	414+30.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
411+12.00	413+81.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
446+69.00	449+88.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
447+28.00	449+97.00	RT. OF R.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
451+34.00	454+03.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
451+36.00	454+55.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
480+84.00	484+84.00	LT. OF R.M.L.	400.00	9.00	400.00	20.00				20.00	9.00	400.00	440.00	88.00	88.00
481+52.00	485+46.00	RT. OF R.M.L.	400.00	5.50	244.44	12.22				12.22	5.50	244.44	440.00	53.78	53.78
482+59.00	485+90.00	LT. OF L.M.L.	325.00	5.50	198.61	9.93				9.93	5.50	198.61	440.00	43.69	43.69
483+14.00	486+99.00	RT. OF L.M.L.	375.00	9.00	375.00	18.75				18.75	9.00	375.00	440.00	82.50	82.50
512+99.00	516+74.00	LT. OF R.M.L.	375.00	9.00	375.00	18.75				18.75	9.00	375.00	440.00	82.50	82.50
521+37.00	525+37.00	LT. OF R.M.L.	400.00	9.00	400.00	20.00				20.00	9.00	400.00	440.00	88.00	88.00
525+09.00	528+62.00	LT. OF L.M.L.	350.00	5.50	213.89	10.69				10.69	5.50	213.89	440.00	47.06	47.06
573+02.00	577+02.00	LT. OF R.M.L.	400.00	5.50	244.44	12.22				12.22	5.50	244.44	440.00	53.78	53.78
573+78.00	576+47.00	RT. OF R.M.L.	269.00	9.00	269.00	13.45				13.45	9.00	269.00	440.00	59.18	59.18
576+29.00	580+29.00	RT. OF L.M.L.	400.00	9.00	400.00	20.00				20.00	9.00	400.00	440.00	88.00	88.00
576+79.00	579+48.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
582+51.00	585+76.00	LT. OF L.M.L.	325.00	5.50	198.61	9.93				9.93	5.50	198.61	440.00	43.69	43.69
622+86.00	631+49.00	RT. OF R.M.L. EXITRAMP	825.00	5.50	504.17	25.21				25.21	5.50	504.17	440.00	110.92	110.92
629+49.00	633+93.00	LT. OF R.M.L.	444.00	9.00	444.00	22.20				22.20	9.00	444.00	440.00	97.68	97.68
630+47.00	633+91.00	LT. OF L.M.L.	344.00	9.00	344.00	17.20				17.20	9.00	344.00	440.00	75.68	75.68
630+68.00	633+87.00	RT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
630+74.00	633+93.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
635+52.00	638+71.00	RT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
635+55.00	638+74.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
635+58.00	640+02.00	RT. OF L.M.L.	444.00	9.00	444.00	22.20				22.20	9.00	444.00	440.00	97.68	97.68
635+76.00	638+70.00	LT. OF L.M.L.	294.00	9.00	294.00	14.70				14.70	9.00	294.00	440.00	64.68	64.68
728+12.00	735+62.00	RT. OF R.M.L.	750.00	5.50	458.33	22.92				22.92	5.50	458.33	440.00	100.83	100.83
729+71.00	736+21.00	LT. OF L.M.L.	650.00	5.50	397.22	19.86				19.86	5.50	397.22	440.00	87.39	87.39
747+05.00	752+05.00	RT. OF R.M.L.	500.00	5.50	305.56	15.28				15.28	5.50	305.56	440.00	67.22	67.22
747+36.00	751+11.00	LT. OF R.M.L.	375.00	5.50	229.17	11.46				11.46	5.50	229.17	440.00	50.42	50.42
750+69.00	754+44.00	RT. OF L.M.L.	375.00	9.00	375.00	18.75				18.75	9.00	375.00	440.00	82.50	82.50
750+70.00	753+95.00	LT. OF L.M.L.	325.00	5.50	198.61	9.93				9.93	5.50	198.61	440.00	43.69	43.69
756+42.00	762+46.00	RT. OF R.M.L.	600.00	5.50	366.67	18.33				18.33	5.50	366.67	440.00	80.67	80.67
761+56.00	765+33.00	LT. OF L.M.L.	375.00	5.50	229.17	11.46				11.46	5.50	229.17	440.00	50.42	50.42
783+21.00	785+90.00	RT. OF R.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
782+72.00	785+91.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
789+94.00	793+38.00	RT. OF L.M.L.	344.00	9.00	344.00	17.20				17.20	9.00	344.00	440.00	75.68	75.68
789+94.00	792+63.00	LT. OF L.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
829+84.00	835+09.00	LT. OF R.M.L.	525.00	5.50	320.83	16.04				16.04	5.50	320.83	440.00	70.58	70.58
832+81.00	838+07.00	RT. OF L.M.L.	526.00	5.50	321.44	16.07				16.07	5.50	321.44	440.00	70.72	70.72
906+92.00	921+54.00	RT. OF R.M.L.	1425.00	9.00	1425.00	71.25				71.25	9.00	1425.00	440.00	313.50	313.50
965+07.00	968+26.00	LT. OF R.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
965+56.00	968+25.00	RT. OF R.M.L.	269.00	5.50	164.39	8.22				8.22	5.50	164.39	440.00	36.17	36.17
974+29.00	982+73.00	RT. OF R.M.L.	844.00	9.00	844.00	42.20				42.20	9.00	844.00	440.00	185.68	185.68
974+78.00	977+97.00	RT. OF L.M.L.	319.00	9.00	319.00	15.95				15.95	9.00	319.00	440.00	70.18	70.18
974+79.00	977+48.0														

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		080648	18	37
① DISTRICT 8 BRIDGES - QUANTITES - 66057								

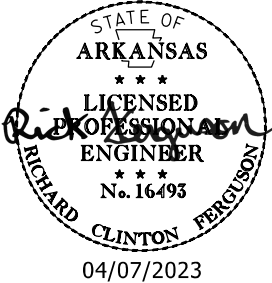
SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 080648

DISTRICT	COUNTY	ROUTE	SECTION	I-40 LOG MILE	BRIDGE NO.	SS & 804	SP JOB 080648	SP JOB 080648
						EPOXY COATED REINFORCING STEEL - BRIDGE (GRADE 60)	POLYMER OVERLAY	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS
						LBS.	SQ. YD.	SQ. FT.
8	JOHNSON	I-40	21	69.61	A3313 ①	1,207	3,156	1,420
	JOHNSON	I-40	21	69.61	B3313 ①	1,105	2,889	1,300
	POPE	I-40	22	76.85	A6916 ①	636	1,663	748
	POPE	I-40	22	76.85	B6916 ①	636	1,663	748
	POPE	I-40	22	80.30	A6917 ①	988	2,583	1,162
	POPE	I-40	22	80.30	B6917 ①	988	2,583	1,162
TOTALS FOR JOB NO. 080648						5,560 ②	14,537	6,540 ②

REFERENCE TABLE

Bridge No.	Existing Dwg. No(s).
A3313	43100
B3313	43101
A6916	45206
B6916	45207
A6917	45224
A6917	45225

- ① EXISTING BRIDGE DECKS DO NOT HAVE ASPHALT OVERLAYS.
- ② QUANTITY SHOWN IS FOR ESTIMATING AND BIDDING PURPOSED ONLY. ACTUAL QUANTITY, IF ANY, WILL BE DETERMINED IN THE FIELD.



SCHEDULE OF BRIDGE QUANTITIES
I-40
JOHNSON & POPE COUNTIES
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: CZP DATE: 03/14/2023 FILENAME: b080648_q1.dgn
CHECKED BY: RCF DATE: 03/16/2023 SCALE: None
DESIGNED BY: RCF DATE: 02/17/2023
BRIDGE NO. DISTRICT 8 BRIDGES DRAWING NO. 66057

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
06/05/23		6	ARK.	080648	19	37
SUMMARY OF QUANTITIES AND REVISIONS						



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Date: 2023.06.15

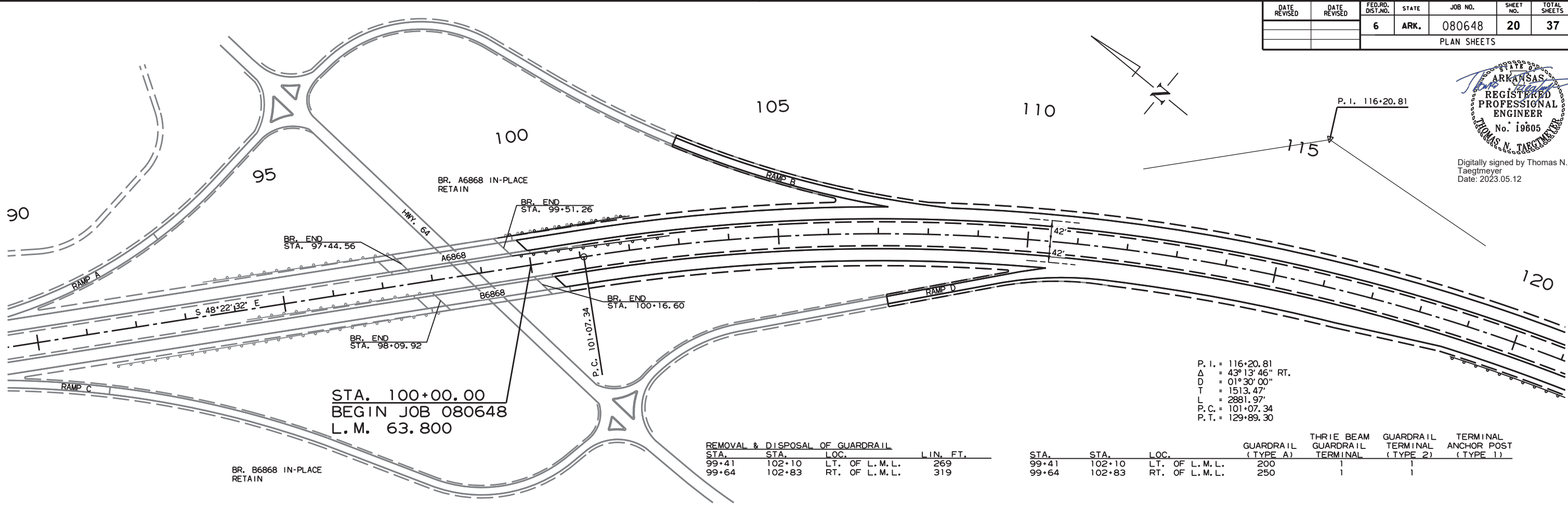
SUMMARY OF QUANTITIES			
ITEM NUMBER	ITEM	QUANTITY	UNIT
SP	SPECIAL CLEARING	1048	STATION
202	REMOVAL AND DISPOSAL OF GUARDRAIL	34522	LIN. FT.
SS & 401	TACK COAT	208735	GAL.
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	200684	TON
SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	11680	TON
SP & 412	COLD MILLING ASPHALT PAVEMENT	965134	SQ. YD.
SP, SS, & 414	ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	490	TON
SP, SS, & 415	ACHM PATCHING OF EXISTING ROADWAY	2000	TON
601	MOBILIZATION	1.00	LUMP SUM
SP & 602	FURNISHING FIELD OFFICE	1	EACH
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	1231	SQ. FT.
SP, SS, & 604	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	2	EACH
SS & 604	TRAFFIC DRUMS	655	EACH
SP	MOBILE SPEED NOTIFICATION SYSTEM	1	EACH
604	CONSTRUCTION PAVEMENT MARKINGS	978164	LIN. FT.
SS & 604	ADVANCE WARNING ARROW PANEL	242	DAY
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	96	WEEK
SP, SS, & 611	UNDERDRAIN VIDEO INSPECTION	266421	LIN. FT.
SP	FLUSHING UNDERDRAIN	253721	LIN. FT.
SS & 617	GUARDRAIL (TYPE A)	30450	LIN. FT.
SS & 617	TERMINAL ANCHOR POSTS (TYPE 1)	39	EACH
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	67	EACH
SS & 617	THRIE BEAM GUARDRAIL TERMINAL	38	EACH
620	LIME	2	TON
620	SEEDING	0.90	ACRE
SS & 620	MULCH COVER	0.90	ACRE
620	WATER	91.8	M. GAL.
621	SILT FENCE	1000	LIN. FT.
621	SAND BAG DITCH CHECKS	220	BAG
621	SEDIMENT REMOVAL AND DISPOSAL	116	CU. YD.
621	ROCK DITCH CHECKS	30	CU. YD.
621	TRIANGULAR SILT DIKE	2200	LIN. FT.
SS & 621	FILTER SOCK (12")	1600	LIN. FT.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
642	RUMBLE STRIPS IN ASPHALT SHOULDERS	409348	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	261200	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	214063	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	13819	LIN. FT.
721	RAISED PAVEMENT MARKERS (TYPE II)	5197	EACH
STRUCTURES OVER 20' SPAN			
SS & 804	EPOXY COATED REINFORCING STEEL (GRADE 60)	5560	POUND
SP	POLYMER OVERLAY	14537	SQ. YD.
SP	BRIDGE DECK REPAIR FOR POLYMER OVERLAYS	6540	SQ. FT.

REVISIONS		
DATE	REVISION	SHEET NUMBER
6/5/2023	REVISED F.A.P. NUMBER; GOVERNING SPECIFICATIONS WERE REVISED TO ADD "BROADBAND INTERNET SERVICE FOR FIELD OFFICE" SPECIAL PROVISION; REVISED "MAINTENANCE OF TRAFFIC" AND "SITE USE (A+C METHOD) – CALENDAR DAY CONTRACT" SPECIAL PROVISIONS; QUANTITIES WERE REVISED FOR "CONSTRUCTION PAVEMENT MARKINGS"; QUANTITIES ADDED FOR "FURNISHING FIELD OFFICE".	1,3,13,19

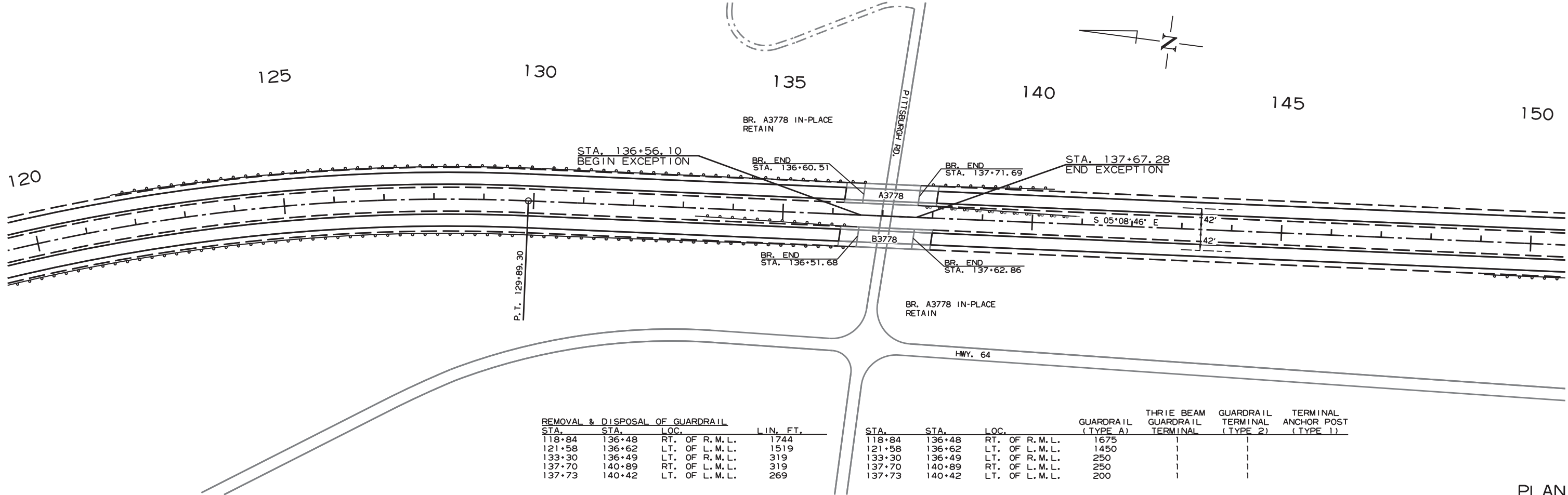
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	20	37
PLAN SHEETS						



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Date: 2023.05.12

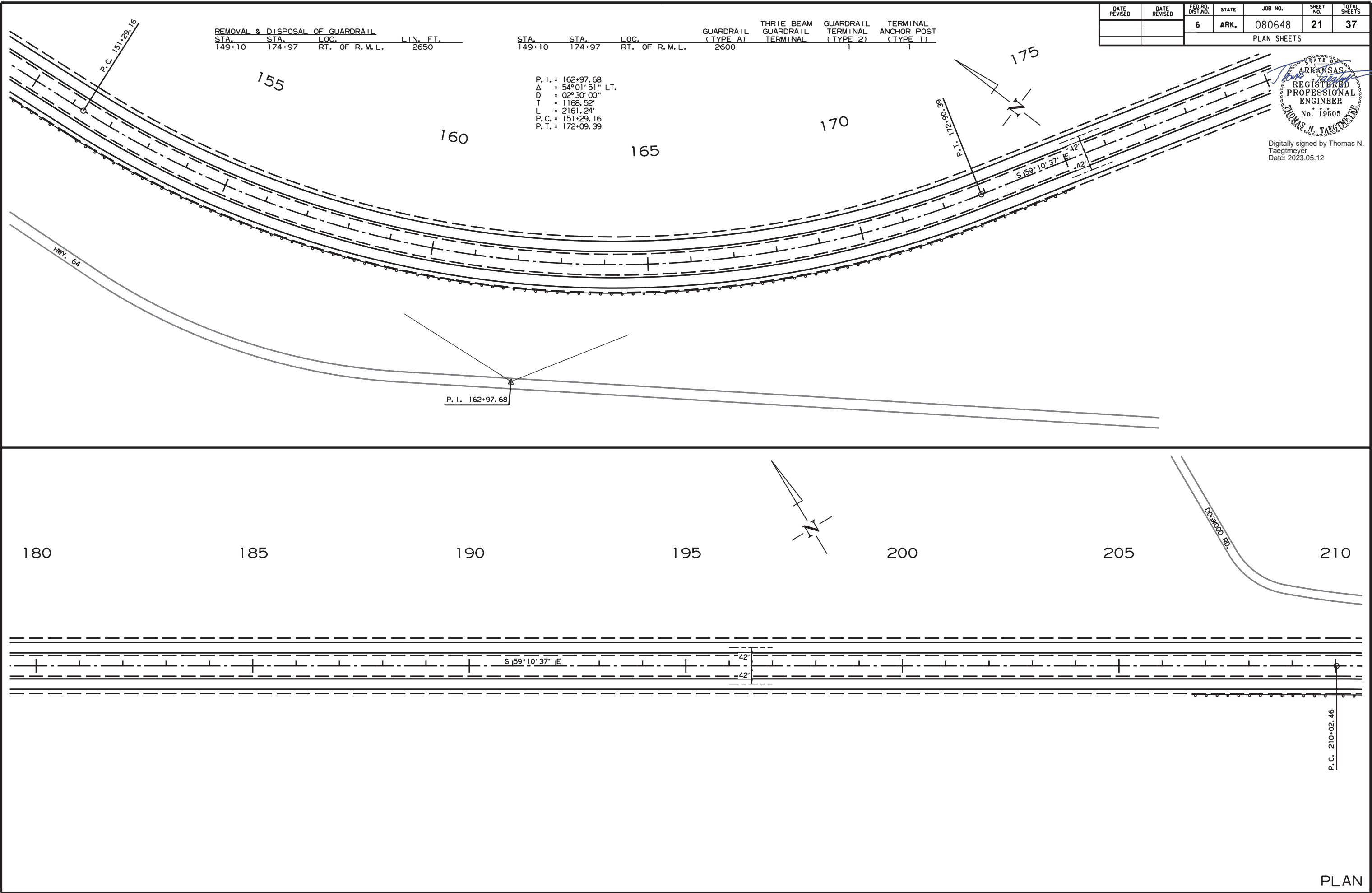


REMOVAL & DISPOSAL OF GUARDRAIL											
STA.	STA.	LOC.	LIN. FT.	STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)	
99+41	102+10	LT. OF L. M. L.	269	99+41	102+10	LT. OF L. M. L.	200	1	1		
99+64	102+83	RT. OF L. M. L.	319	99+64	102+83	RT. OF L. M. L.	250	1	1		



REMOVAL & DISPOSAL OF GUARDRAIL											
STA.	STA.	LOC.	LIN. FT.	STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)	
118+84	136+48	RT. OF R. M. L.	1744	118+84	136+48	RT. OF R. M. L.	1675	1	1		
121+58	136+62	LT. OF L. M. L.	1519	121+58	136+62	LT. OF L. M. L.	1450	1	1		
133+30	136+49	LT. OF R. M. L.	319	133+30	136+49	LT. OF R. M. L.	250	1	1		
137+70	140+89	RT. OF L. M. L.	319	137+70	140+89	RT. OF L. M. L.	250	1	1		
137+73	140+42	LT. OF L. M. L.	269	137+73	140+42	LT. OF L. M. L.	200	1	1		

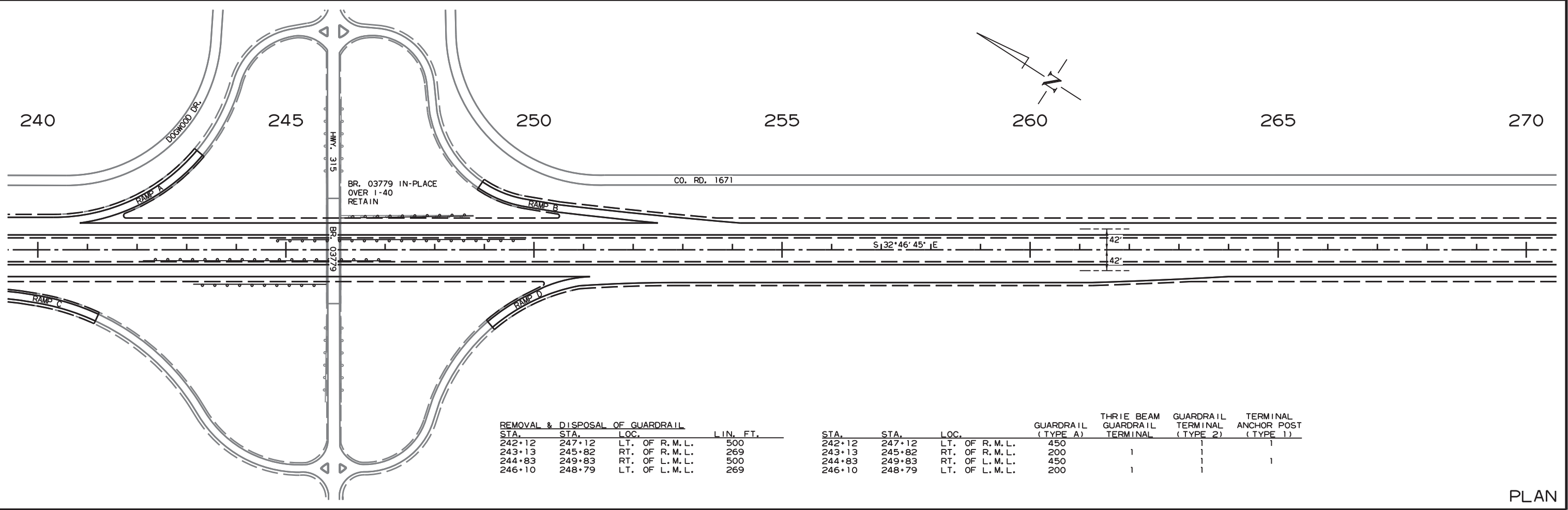
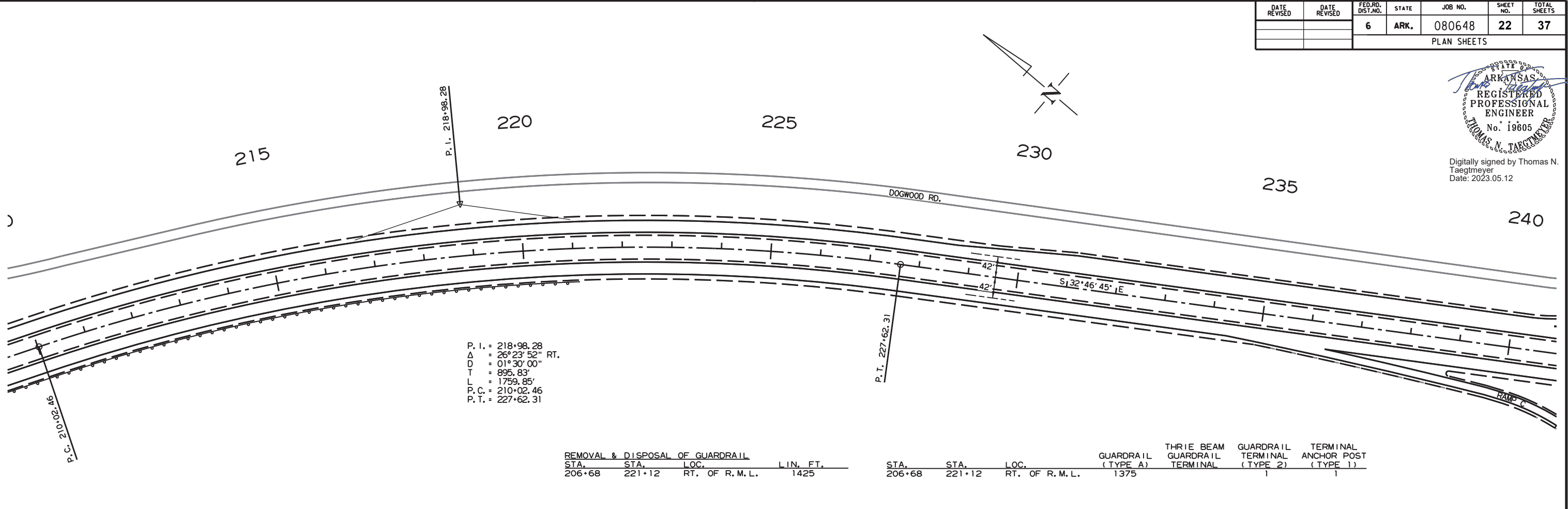
PLAN



DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	22	37
PLAN SHEETS						



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Date: 2023.05.12



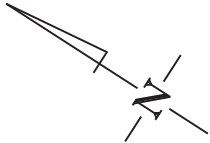
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DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	23	37
PLAN SHEETS						



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Date: 2023.05.12

270 275 280 285 290 295

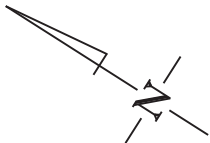


CO. RD. 1671

S 132°46'45" E

42'
42'

300 305 310 315 320 325 330



CO. RD. 1671

S 132°46'45" E

42'
42'

P. C. 325+68.93

RAMP A

RAMP B

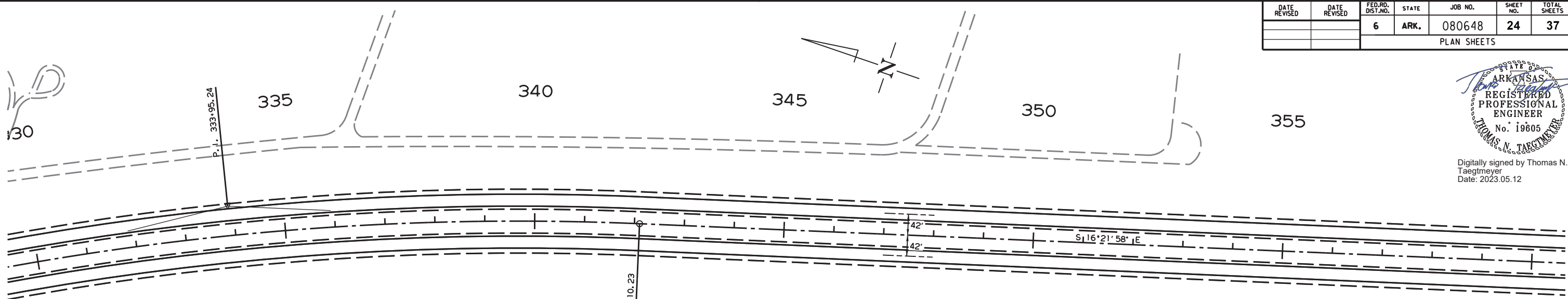
REST AREA

PLAN

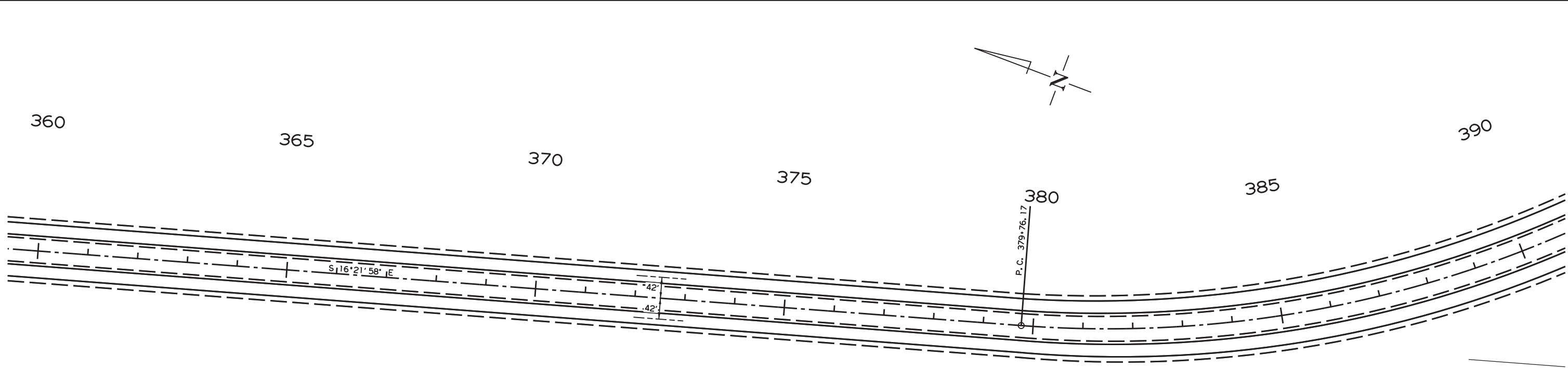
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	24	37
PLAN SHEETS						



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Date: 2023.05.12



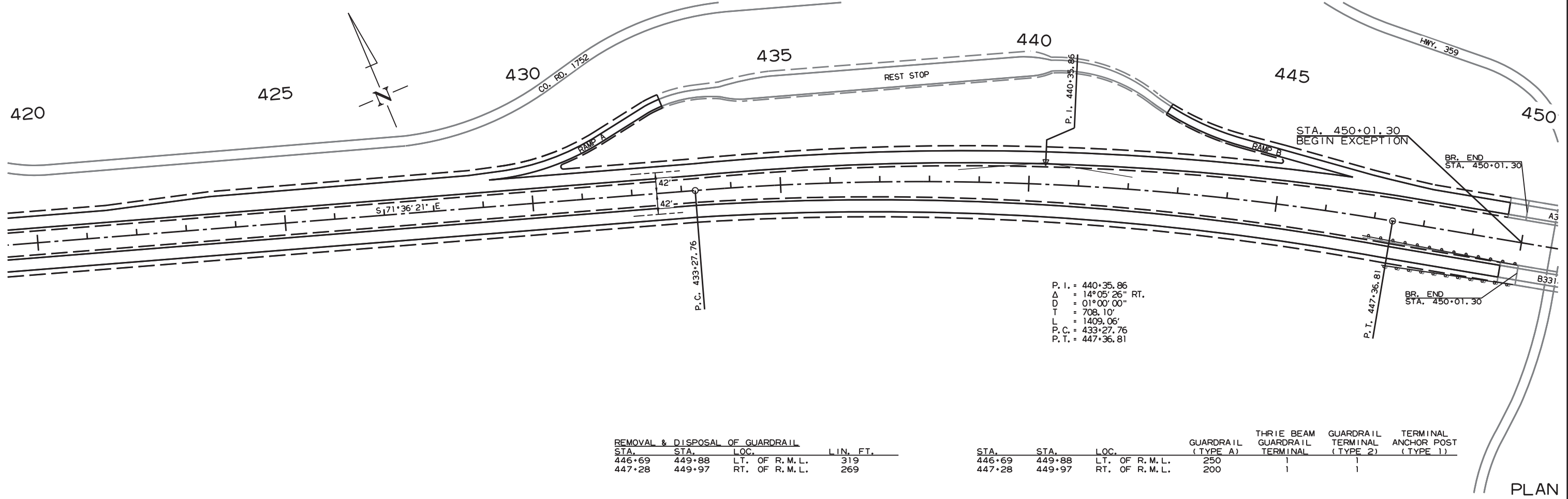
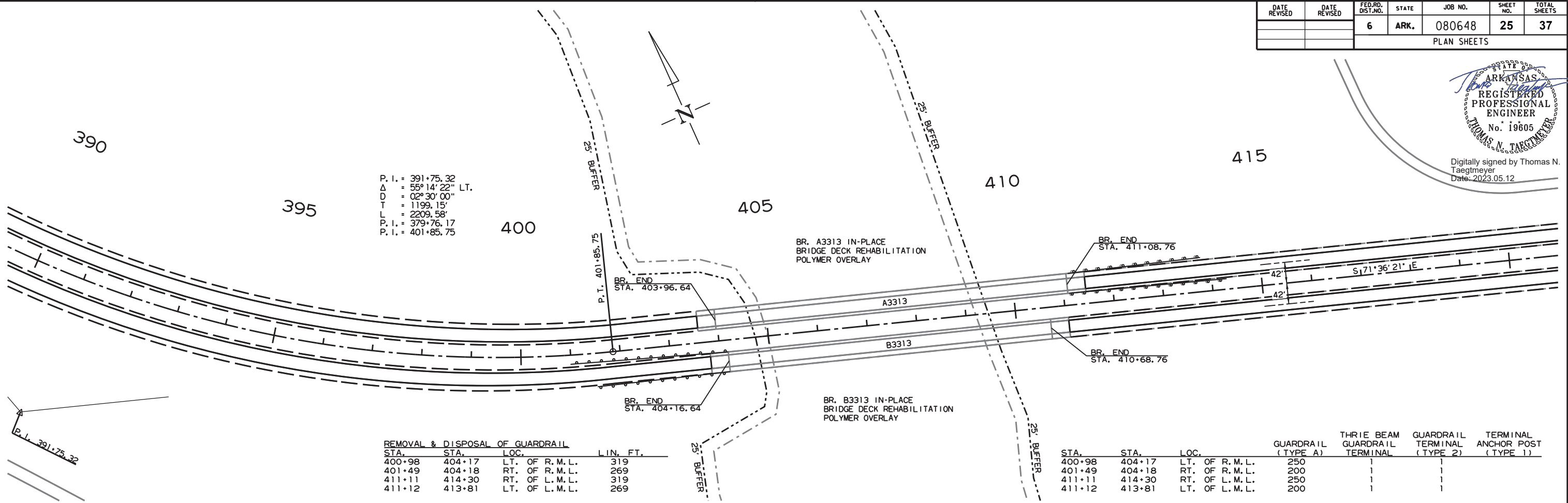
P. I. = 333+95.24
Δ = 16° 24' 47" RT.
D = 01° 00' 00"
T = 826.31'
L = 1641.29'
P. C. = 325+68.93
P. T. = 342+10.23



DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	25	37
PLAN SHEETS						



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Date: 2023.05.12



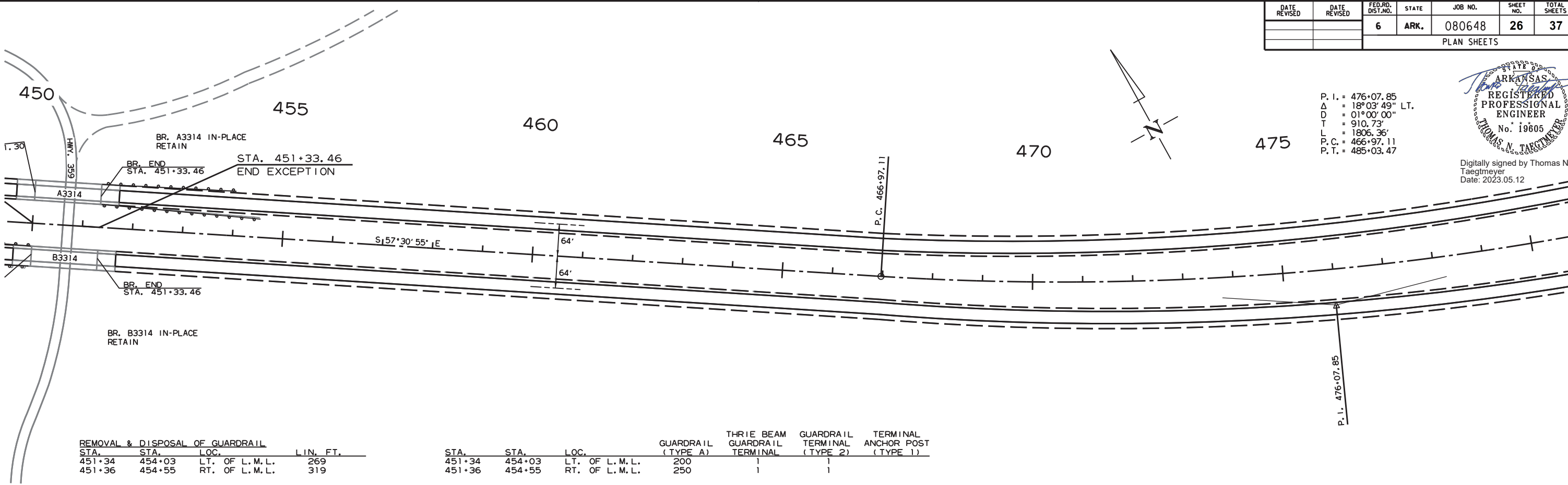
PLAN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	26	37
PLAN SHEETS						

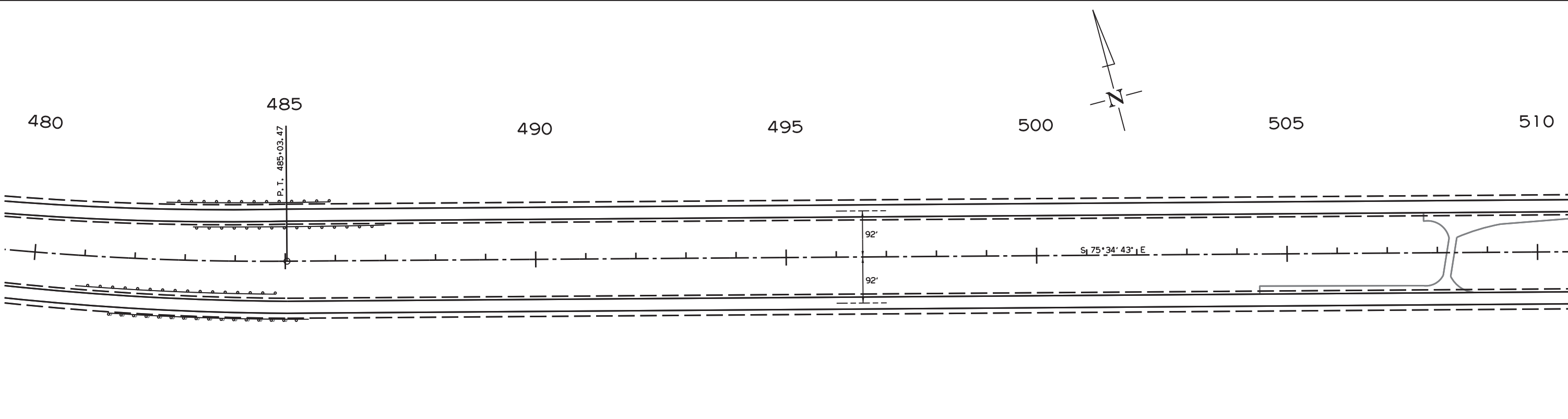


P. I. = 476+07.85
Δ = 18°03' 49" LT.
D = 01°00' 00"
T = 910.73'
L = 1806.36'
P. C. = 466+97.11
P. T. = 485+03.47

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Date: 2023.05.12



REMOVAL & DISPOSAL OF GUARDRAIL											
STA.	STA.	LOC.	LIN. FT.	STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)	
451+34	454+03	LT. OF L. M. L.	269	451+34	454+03	LT. OF L. M. L.	200	1	1		
451+36	454+55	RT. OF L. M. L.	319	451+36	454+55	RT. OF L. M. L.	250	1	1		



REMOVAL & DISPOSAL OF GUARDRAIL											
STA.	STA.	LOC.	LIN. FT.	STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)	
480+84	484+84	LT. OF R. M. L.	400	480+84	484+84	LT. OF R. M. L.	350		1	1	
481+52	485+46	RT. OF R. M. L.	400	481+52	485+46	RT. OF R. M. L.	350		1	1	
482+59	485+90	LT. OF L. M. L.	325	482+59	485+90	LT. OF L. M. L.	275			1	
483+14	486+99	RT. OF L. M. L.	375	483+144	86+99	RT. OF L. M. L.	325		1	1	

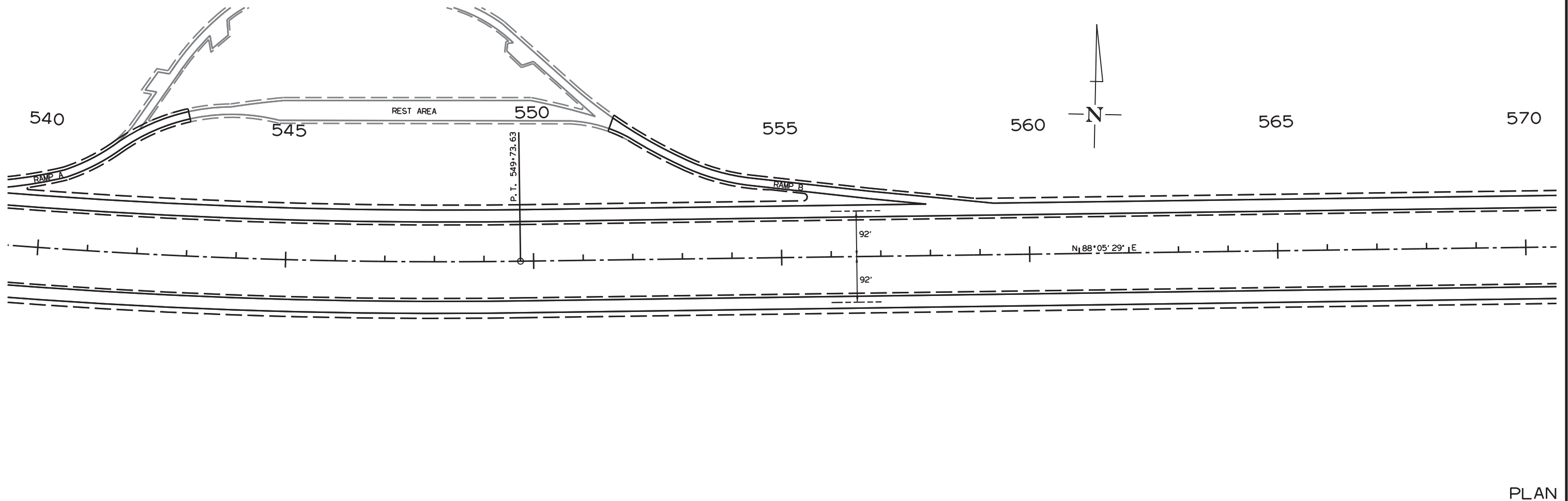
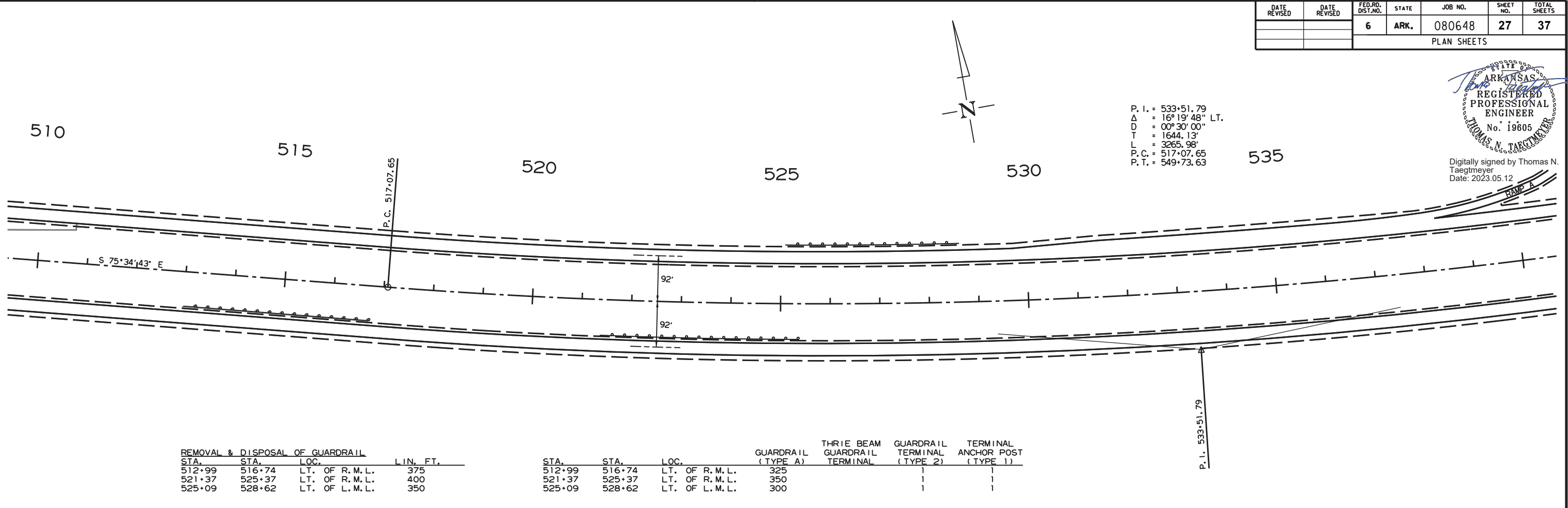
PLAN

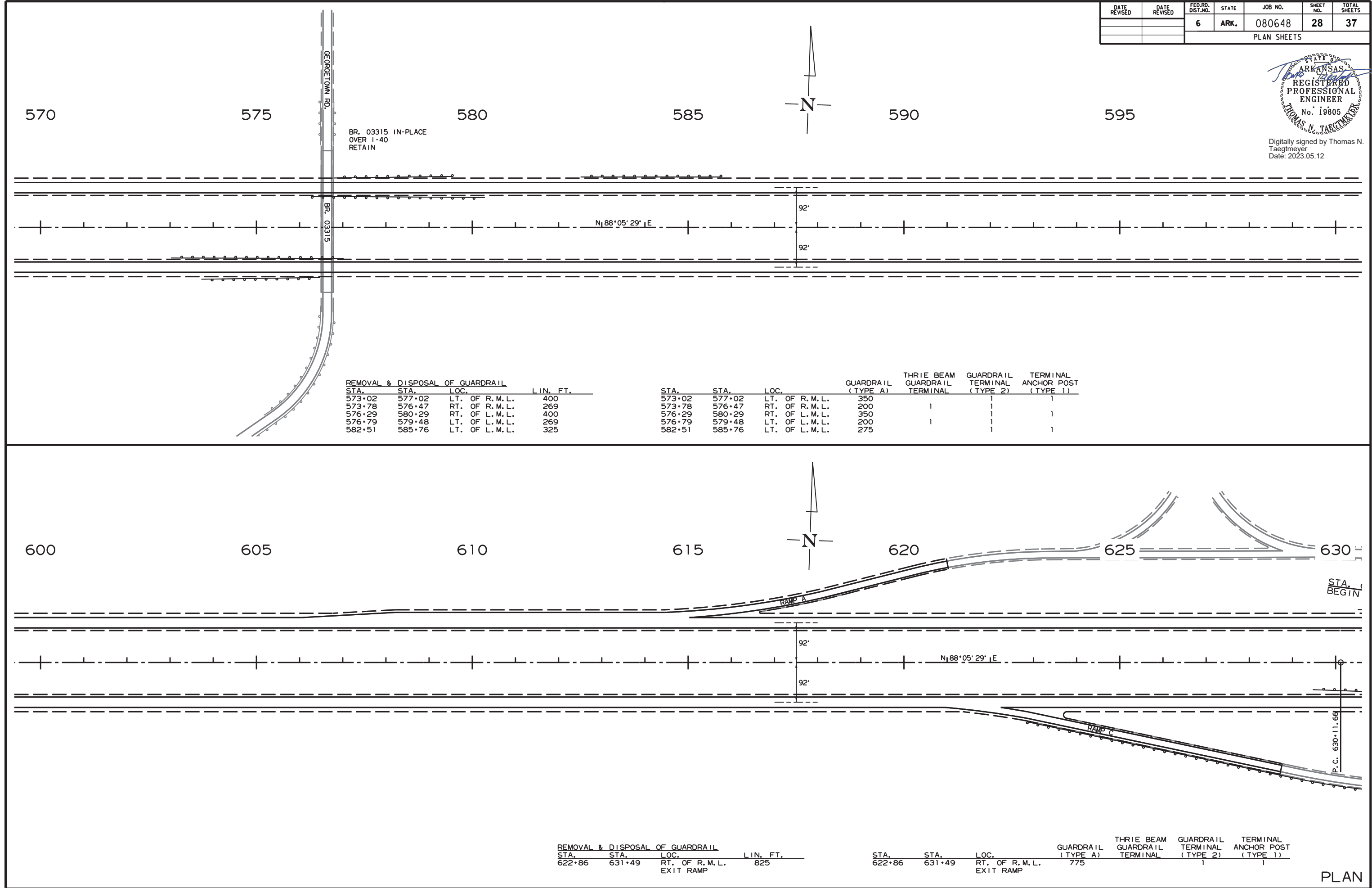
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	27	37
PLAN SHEETS						



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Date: 2023.05.12

P. I. = 533+51.79
Δ = 16° 19' 48" LT.
D = 00° 30' 00"
T = 1644.13'
L = 3265.98'
P. C. = 517+07.65
P. T. = 549+73.63





DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	28	37
PLAN SHEETS						

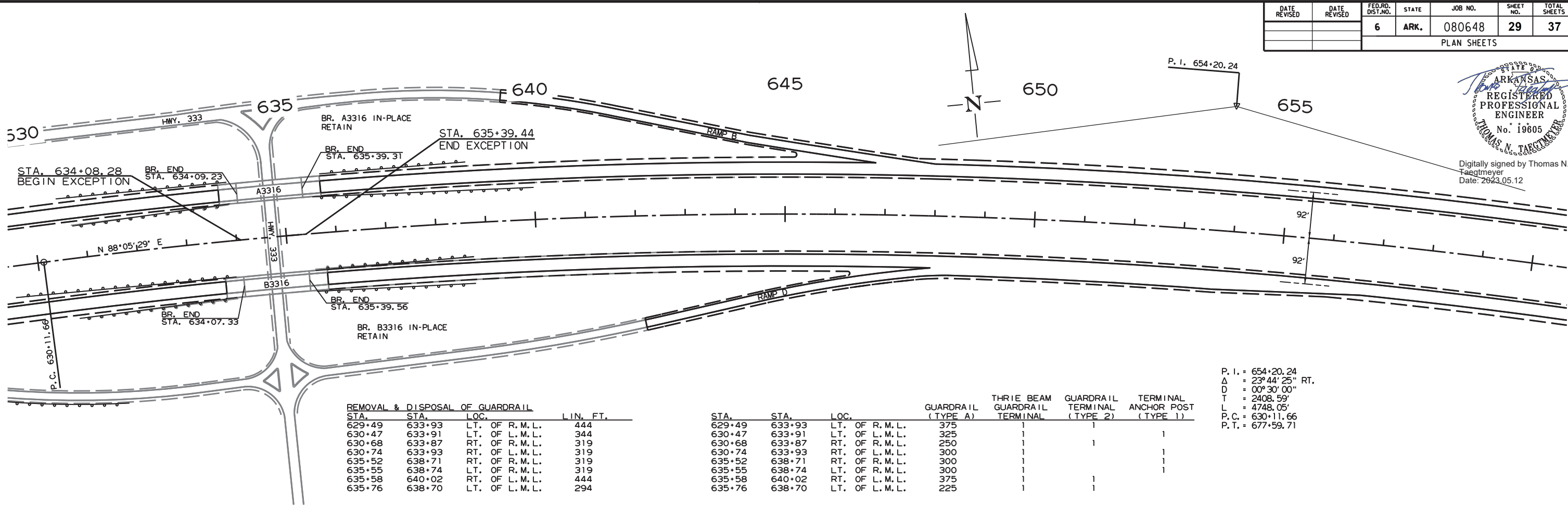


Digitally signed by Thomas N. Taegtmeier
Date: 2023.05.12

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	29	37
PLAN SHEETS						



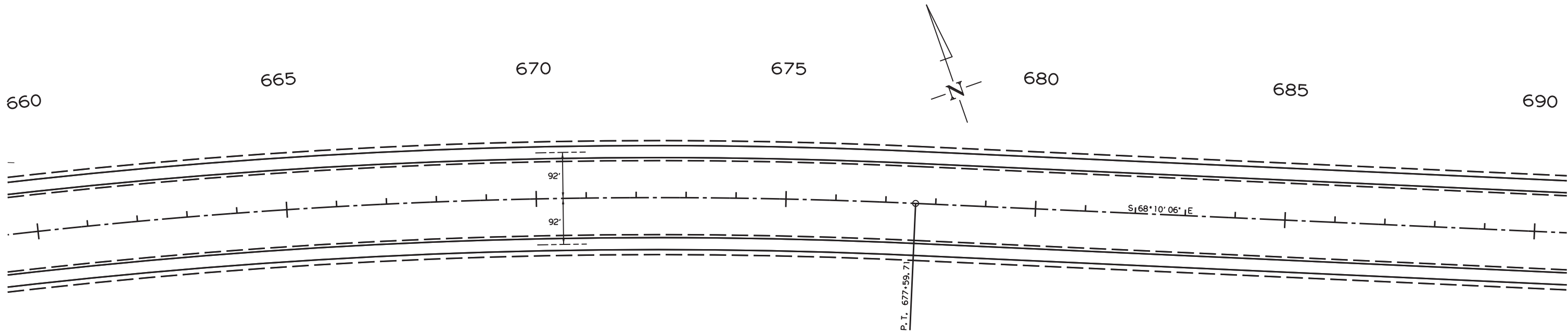
Digitally signed by Thomas N. Taegtmeyer
Date: 2023.05.12



REMOVAL & DISPOSAL OF GUARDRAIL			
STA.	STA.	LOC.	LIN. FT.
629+49	633+93	LT. OF R.M.L.	444
630+47	633+91	LT. OF L.M.L.	344
630+68	633+87	RT. OF R.M.L.	319
630+74	633+93	RT. OF L.M.L.	319
635+52	638+71	RT. OF R.M.L.	319
635+55	638+74	LT. OF R.M.L.	319
635+58	640+02	RT. OF L.M.L.	444
635+76	638+70	LT. OF L.M.L.	294

STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THREE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
629+49	633+93	LT. OF R.M.L.	375	1		
630+47	633+91	LT. OF L.M.L.	325	1		1
630+68	633+87	RT. OF R.M.L.	250	1	1	
630+74	633+93	RT. OF L.M.L.	300	1		1
635+52	638+71	RT. OF R.M.L.	300	1		1
635+55	638+74	LT. OF R.M.L.	300	1		1
635+58	640+02	RT. OF L.M.L.	375	1	1	
635+76	638+70	LT. OF L.M.L.	225	1	1	

P. I. = 654+20.24
Δ = 23°44'25" RT.
D = 00°30'00"
T = 2408.59'
L = 4748.05'
P. C. = 630+11.66
P. T. = 677+59.71

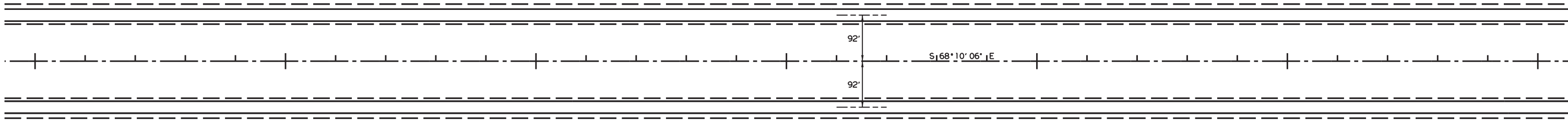


DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	30	37
PLAN SHEETS						

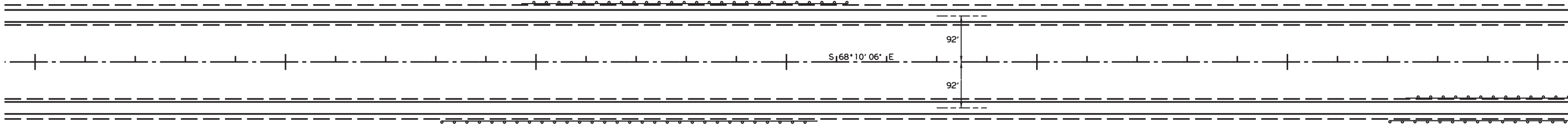


Digitally signed by Thomas N. Taegtmeier
Date: 2023.05.12

690 695 700 705 710 715



720 725 730 735 740 745 750



REMOVAL & DISPOSAL OF GUARDRAIL				
STA.	STA.	LOC.	LIN. FT.	
728+12	735+62	RT. OF R. M. L.	750	
729+71	736+21	LT. OF L. M. L.	650	

STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
728+12	735+62	RT. OF R. M. L.	700		1	1
729+71	736+21	LT. OF L. M. L.	600		1	1

PLAN

REMOVAL & DISPOSAL OF GUARDRAIL			
STA.	STA.	LOC.	LIN. FT.
747+05	752+05	RT. OF R. M. L.	500
747+36	751+11	LT. OF R. M. L.	375
750+60	754+44	RT. OF L. M. L.	375
750+70	753+95	LT. OF L. M. L.	325
756+42	762+46	RT. OF R. M. L.	600
761+56	765+33	LT. OF L. M. L.	375

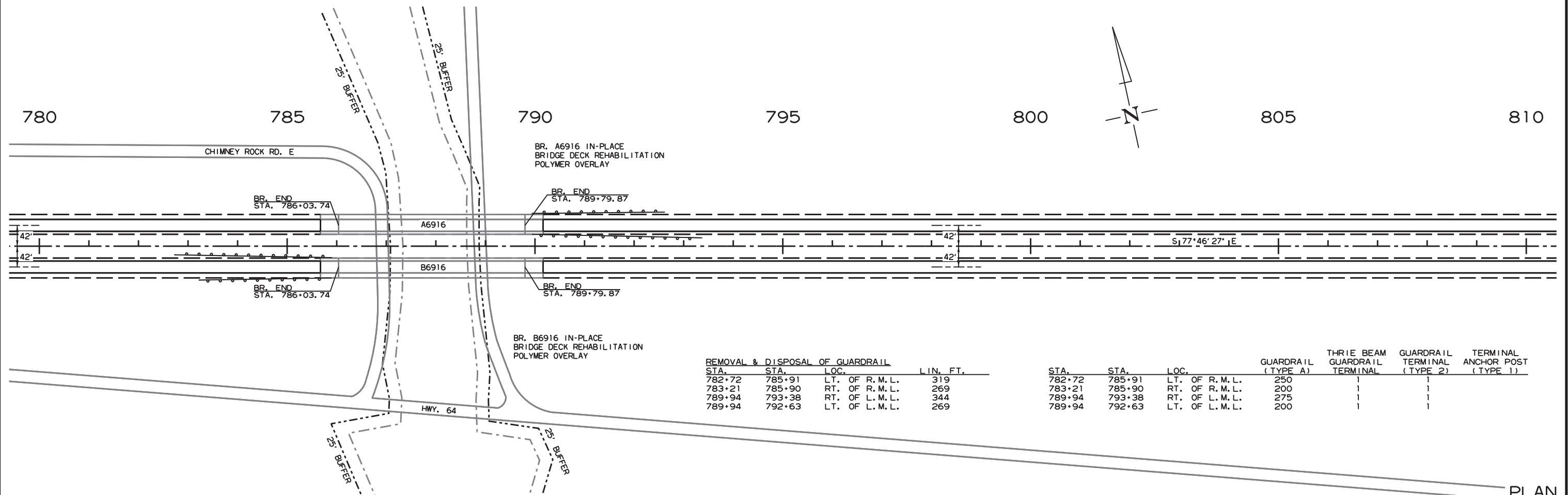
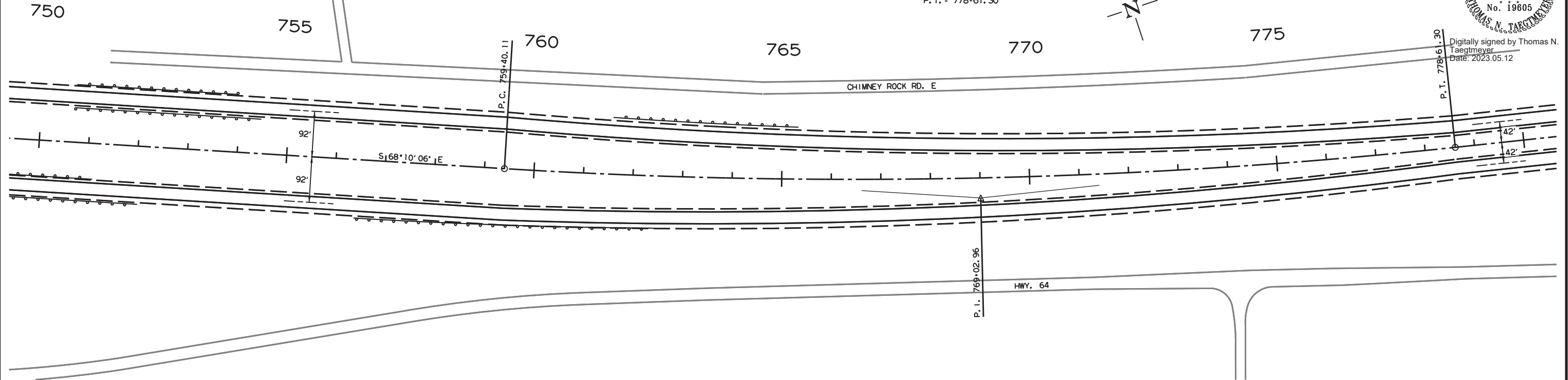
STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
747+05	752+05	RT. OF R. M. L.	450		1	1
747+36	751+11	LT. OF R. M. L.	325		1	1
750+60	754+44	RT. OF L. M. L.	325		1	1
750+70	753+95	LT. OF L. M. L.	275		1	1
756+42	762+46	RT. OF R. M. L.	550		1	1
761+56	765+33	LT. OF L. M. L.	325		1	1

P. I. = 769+02.96
Δ = 09°36'21" LT.
D = 00°30'00"
T = 962.85'
L = 1921.18'
P. C. = 759+40.11
P. T. = 778+61.30

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	31	37
PLAN SHEETS						

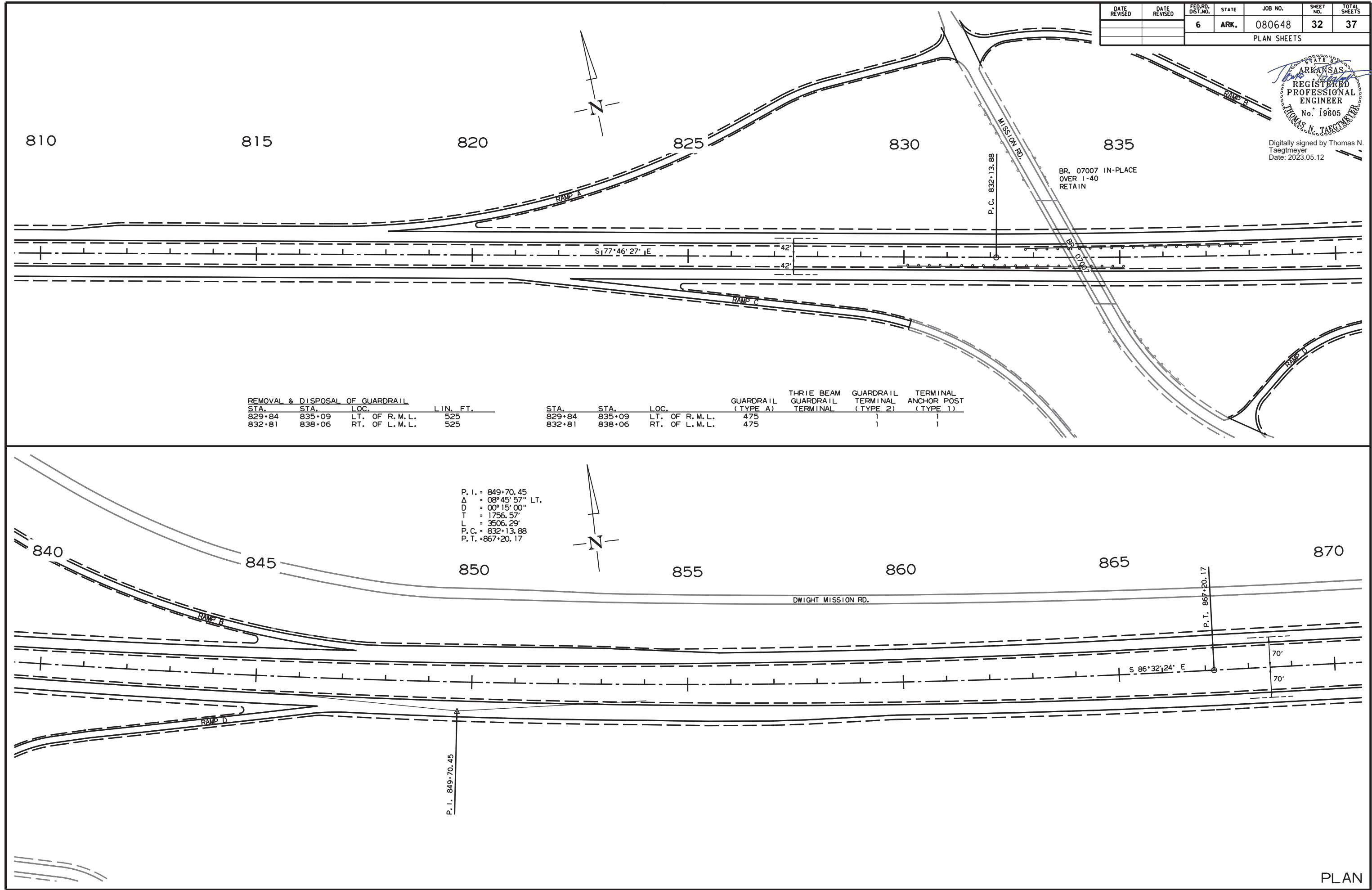


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Date: 2023.05.12



REMOVAL & DISPOSAL OF GUARDRAIL			
STA.	STA.	LOC.	LIN. FT.
782+72	785+91	LT. OF R. M. L.	319
783+21	785+90	RT. OF R. M. L.	269
789+94	793+38	RT. OF L. M. L.	344
789+94	792+63	LT. OF L. M. L.	269

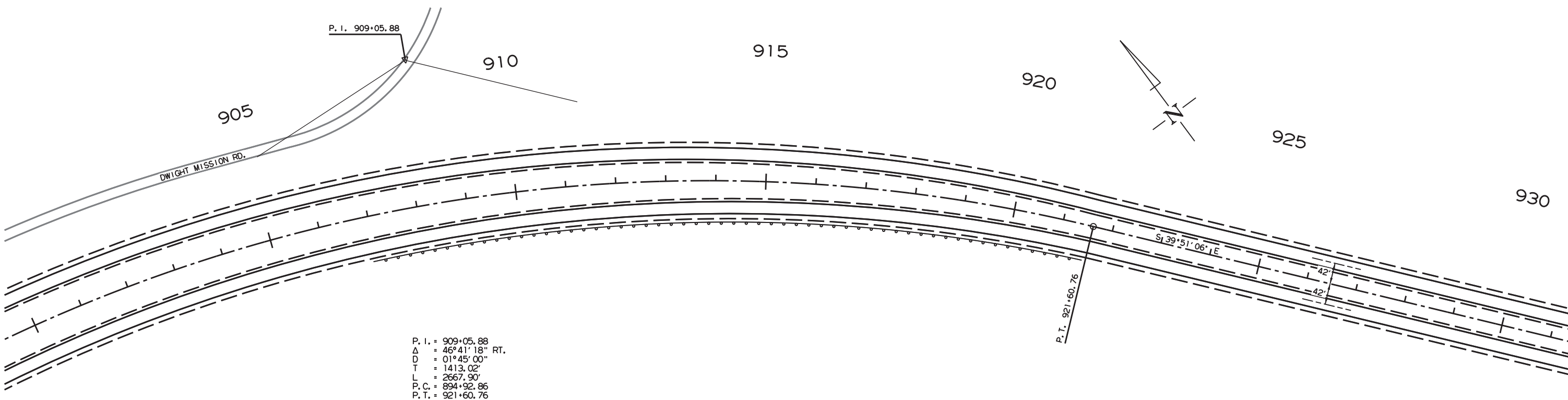
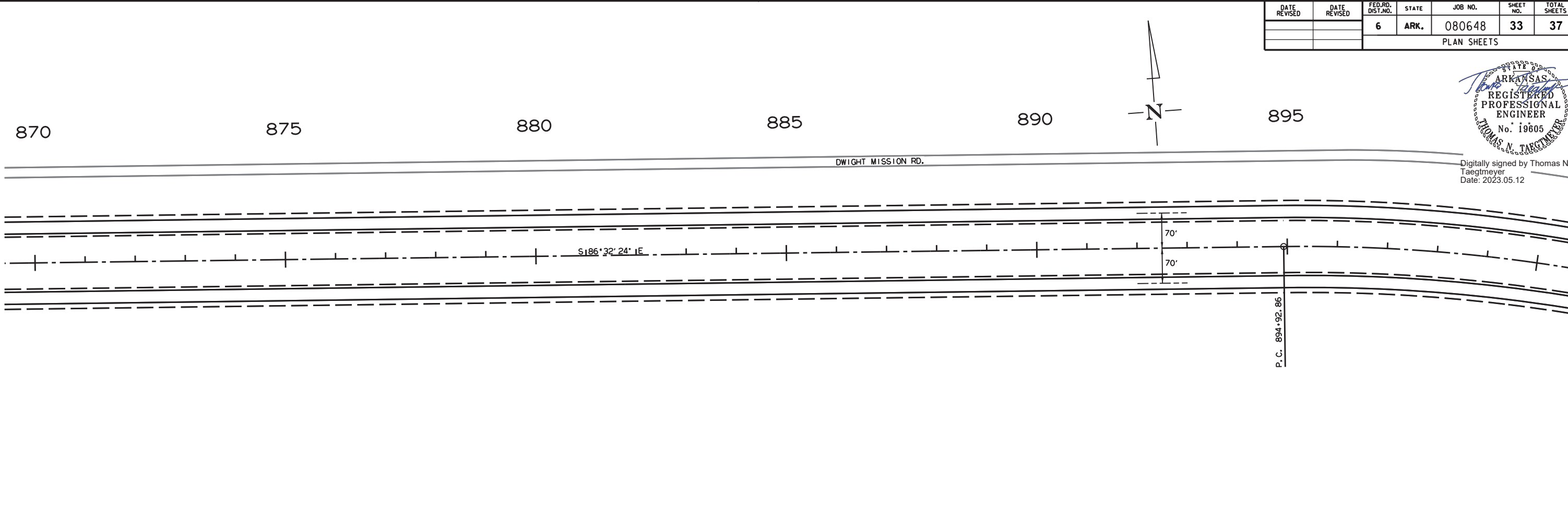
STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
782+72	785+91	LT. OF R. M. L.	250	1	1	
783+21	785+90	RT. OF R. M. L.	200	1	1	
789+94	793+38	RT. OF L. M. L.	275	1	1	
789+94	792+63	LT. OF L. M. L.	200	1	1	



DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	33	37
PLAN SHEETS						



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Date: 2023.05.12



P. I. = 909+05.88
Δ = 46° 41' 18" RT.
D = 01° 45' 00"
T = 1413.02'
L = 2667.90'
P. C. = 894+92.86
P. T. = 921+60.76

REMOVAL & DISPOSAL OF GUARDRAIL

STA.	STA.	LOC.	LINE, FT.
906+92	921+54	RT. OF R. M. L.	1425

STA.	STA.	LOC.
906+92	921+54	RT. OF R. M. L.

GUARDRAIL (TYPE A)	THREE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
1375		1	1

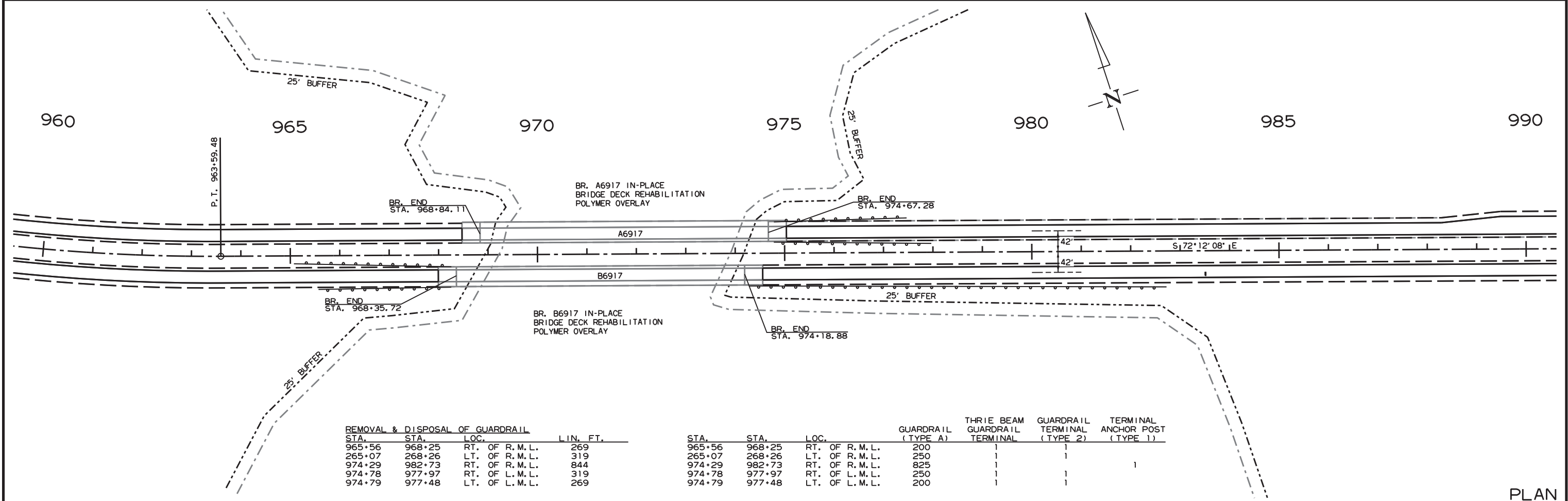
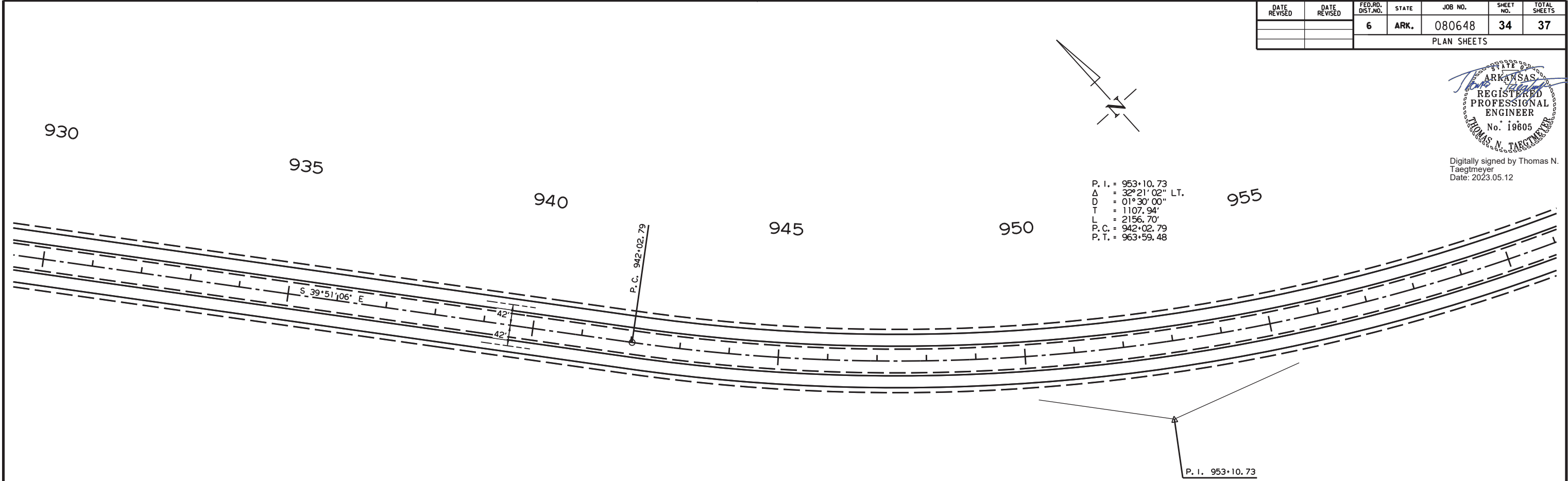
PLAN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	34	37
PLAN SHEETS						



Digitally signed by Thomas N. Taegtmeier
Date: 2023.05.12

P. I. = 953+10.73
 Δ = 32°21'02" LT.
D = 01°30'00"
T = 1107.94'
L = 2156.70'
P. C. = 942+02.79
P. T. = 963+59.48



REMOVAL & DISPOSAL OF GUARDRAIL			
STA.	STA.	LOC.	LIN. FT.
965+56	968+25	RT. OF R.M.L.	269
265+07	268+26	LT. OF R.M.L.	319
974+29	982+73	RT. OF R.M.L.	844
974+78	977+97	RT. OF L.M.L.	319
974+79	977+48	LT. OF L.M.L.	269

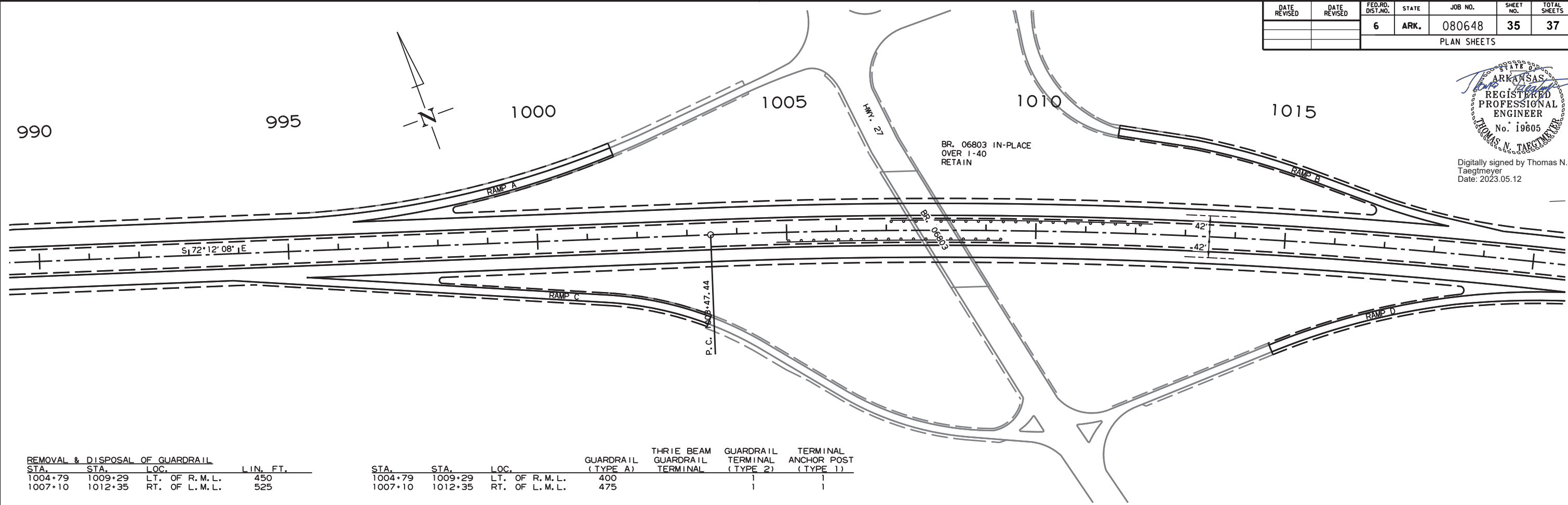
STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
965+56	968+25	RT. OF R.M.L.	200	1	1	
265+07	268+26	LT. OF R.M.L.	250			
974+29	982+73	RT. OF R.M.L.	825			1
974+78	977+97	RT. OF L.M.L.	250			
974+79	977+48	LT. OF L.M.L.	200	1	1	

PLAN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	35	37
PLAN SHEETS						

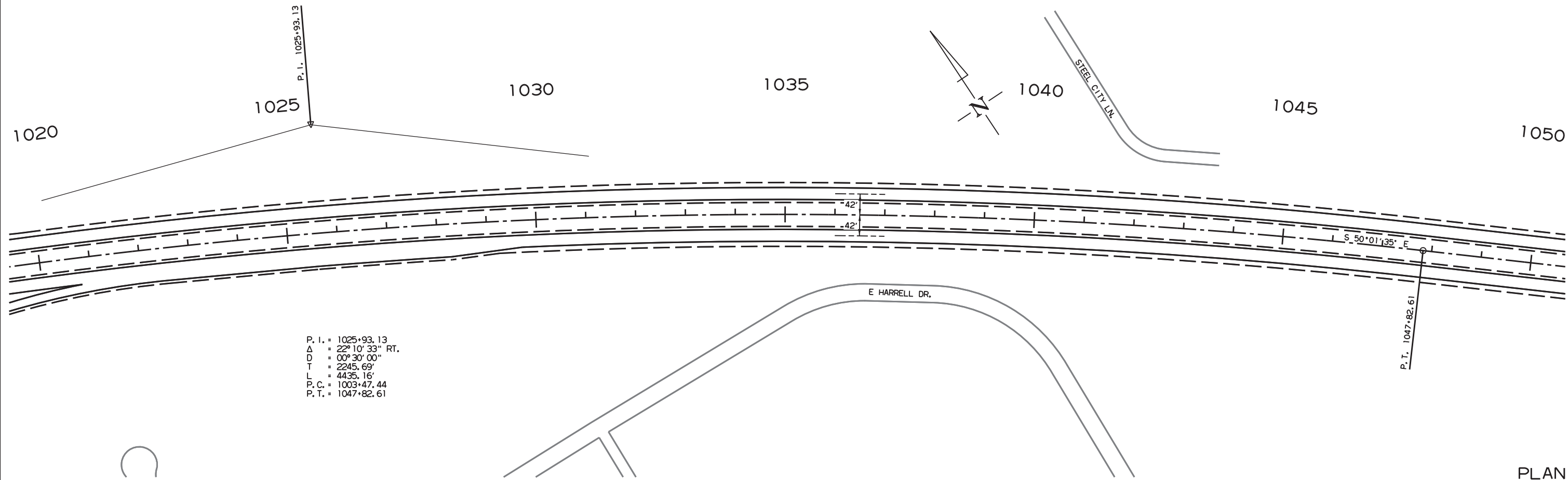


Digitally signed by Thomas N. Taegtmeyer
Date: 2023.05.12



REMOVAL & DISPOSAL OF GUARDRAIL			
STA.	STA.	LOC.	LIN. FT.
1004+79	1009+29	LT. OF R. M. L.	450
1007+10	1012+35	RT. OF L. M. L.	525

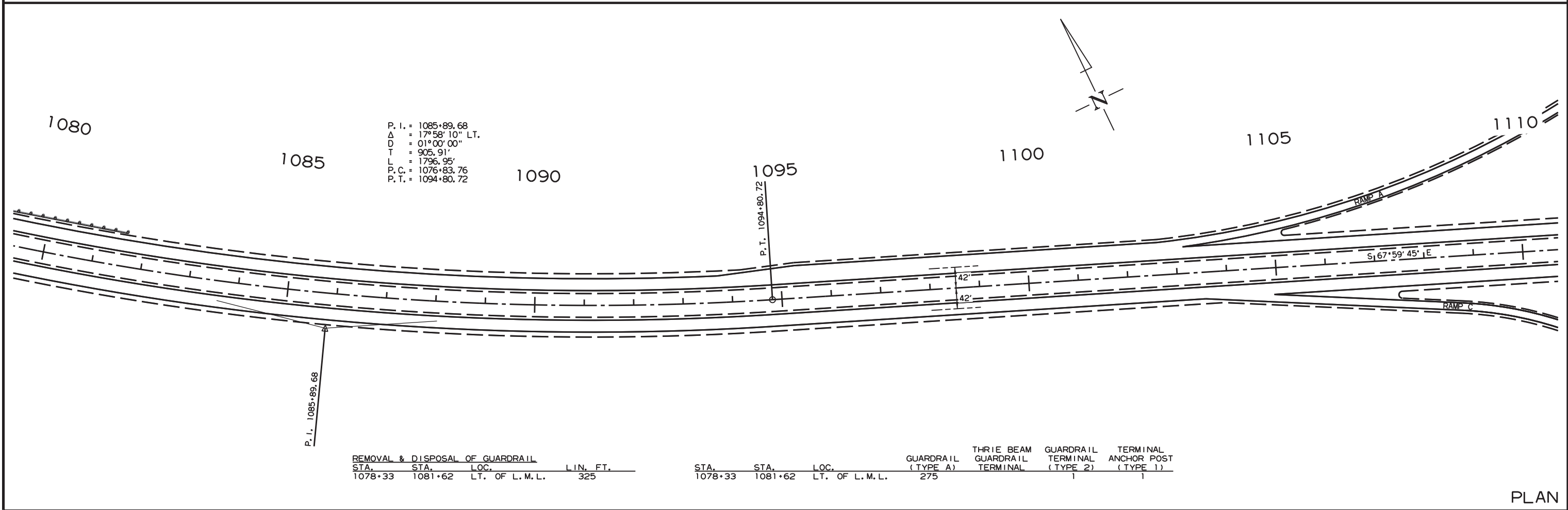
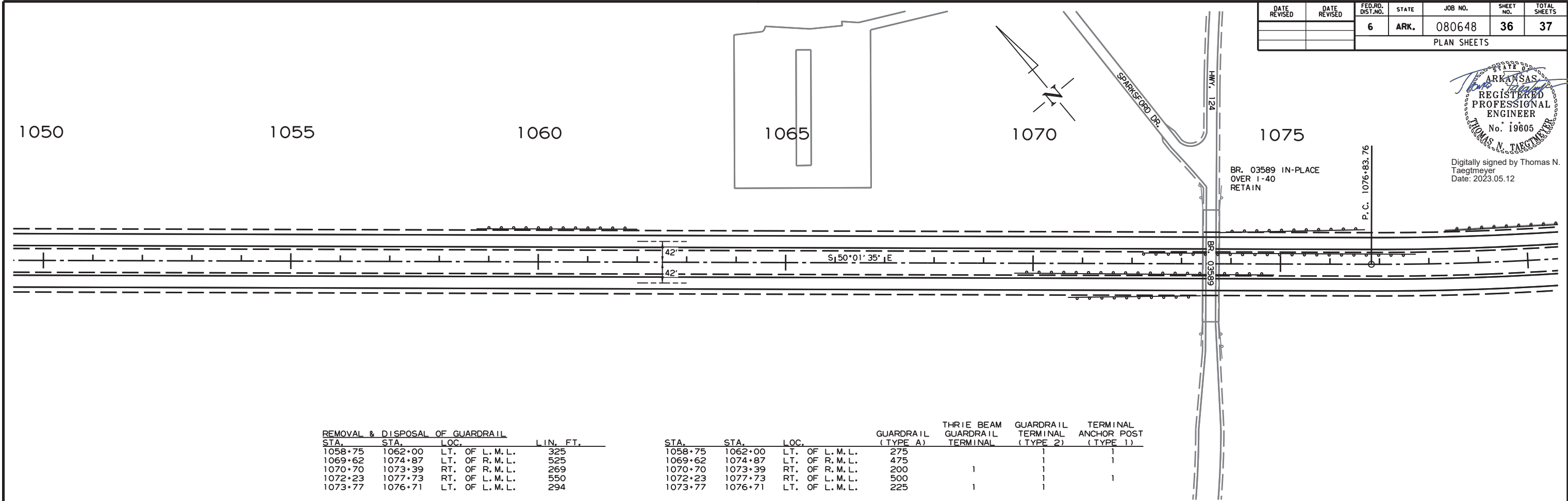
STA.	STA.	LOC.	GUARDRAIL (TYPE A)	THREE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
1004+79	1009+29	LT. OF R. M. L.	400		1	1
1007+10	1012+35	RT. OF L. M. L.	475			



P. I. = 1025+93.13
Δ = 22° 10' 33" RT.
D = 00° 30' 00"
T = 2245.69'
L = 4435.16'
P. C. = 1003+47.44
P. T. = 1047+82.61

PLAN

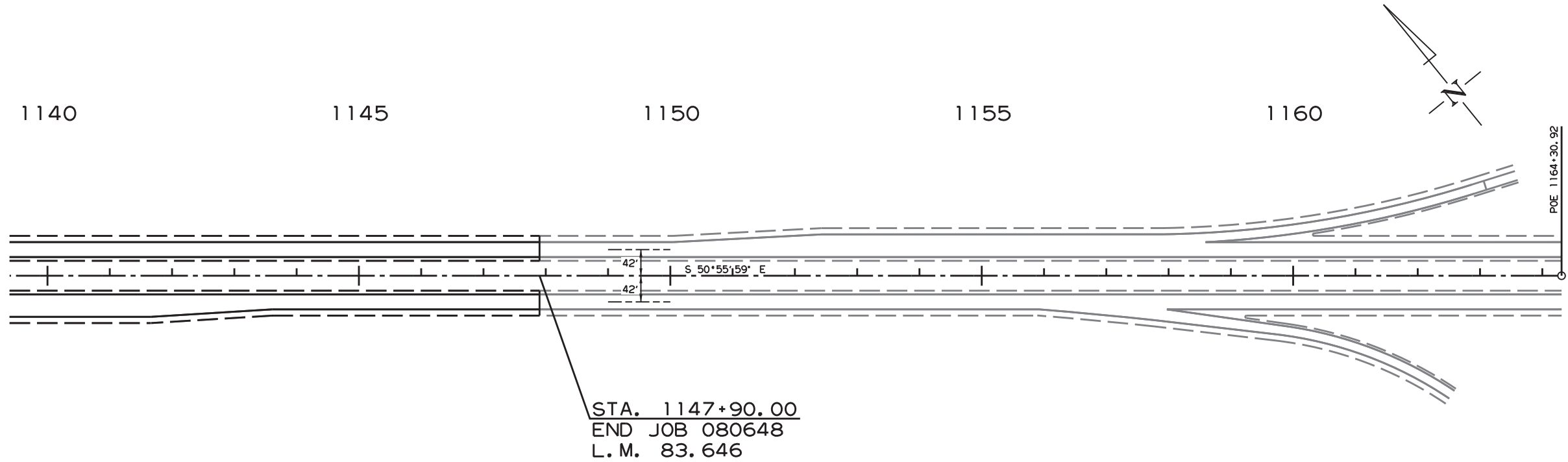
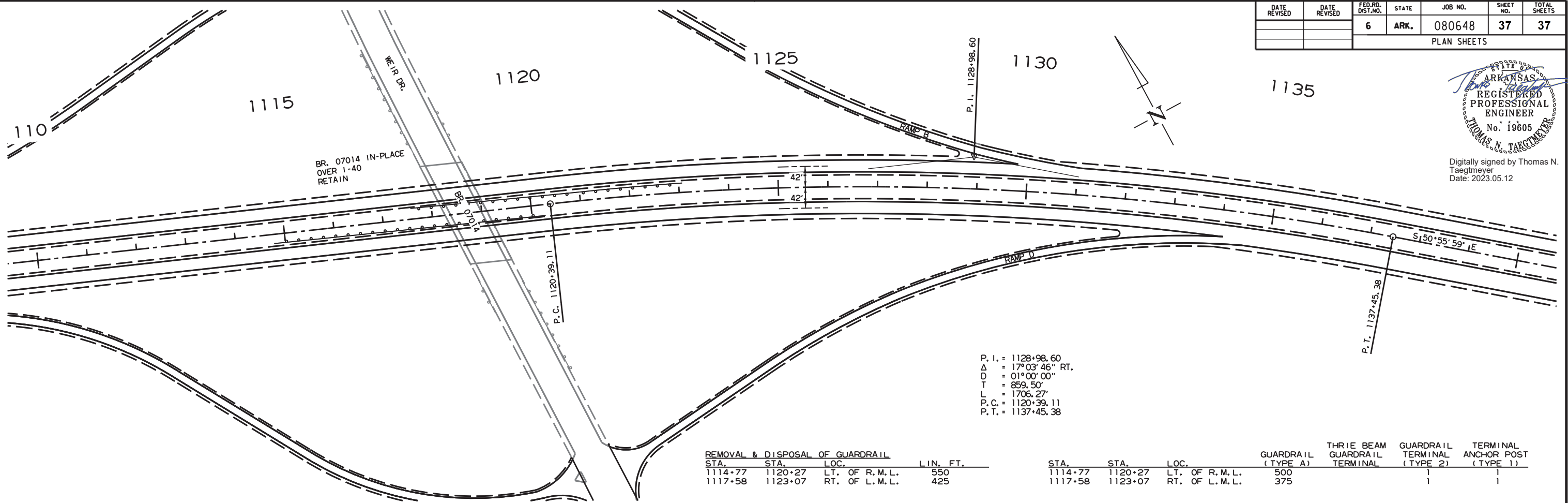
DATE & TIME: 5/12/2023 11:36:16 AM
FILE: J:\25846\080648 - PlanPlan - Sheets.dgn



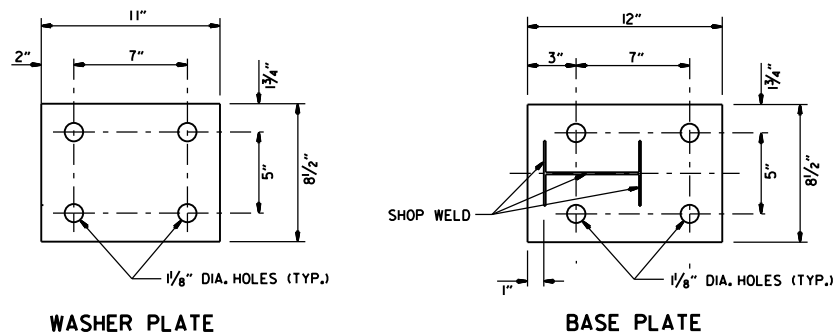
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080648	37	37
PLAN SHEETS						



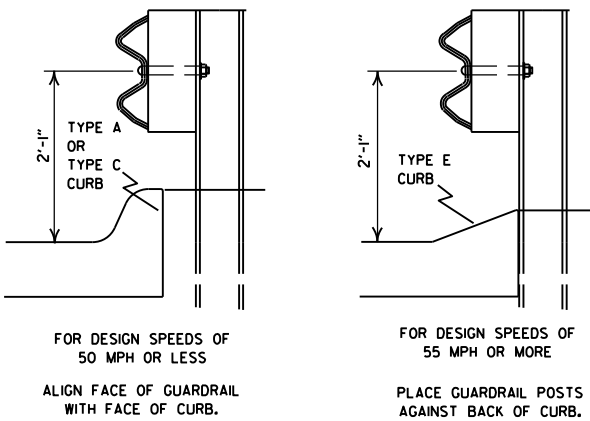
Digitally signed by Thomas N. Taegtmeier
Date: 2023.05.12



ARKANSAS STATE HIGHWAY COMMISSION	
GUARDRAIL DETAILS	
STANDARD DRAWING GR-6	

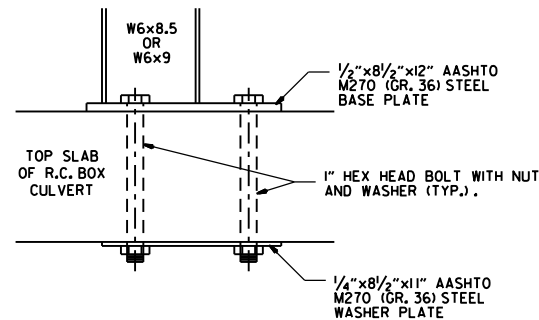
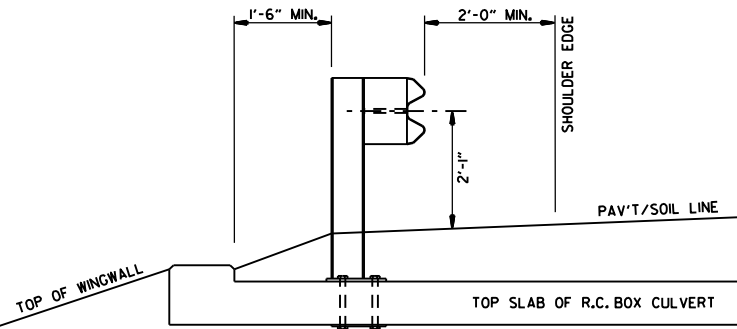


Note: Bolts, nuts, washers and plates shall be galvanized in accordance with Section 807 of the Standard Specifications.



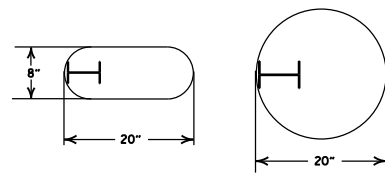
DETAIL OF GUARDRAIL PLACEMENT BEHIND CURB (W-BEAM)

FOR DESIGN SPEEDS OF 50 MPH OR LESS ALL CURB FACES, AS SHOWN ON STD. DRWG. CG-1, MAY BE USED. FOR DESIGN SPEEDS OF 55 MPH OR MORE TYPE "E" CURB FACE SHALL BE USED.



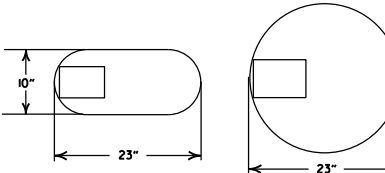
Plan View Steel Posts

Either hole configuration acceptable



Plan View Wood Posts

Either hole configuration acceptable

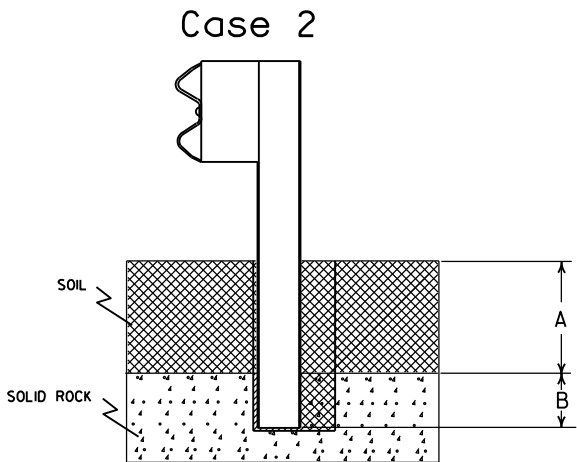


Notes: For overlying soil depths (A) ranging from 0 to 18", the depth of required drilling (B) is equal to 24".

Zone A:
Backfill according to Section 617.03(a).

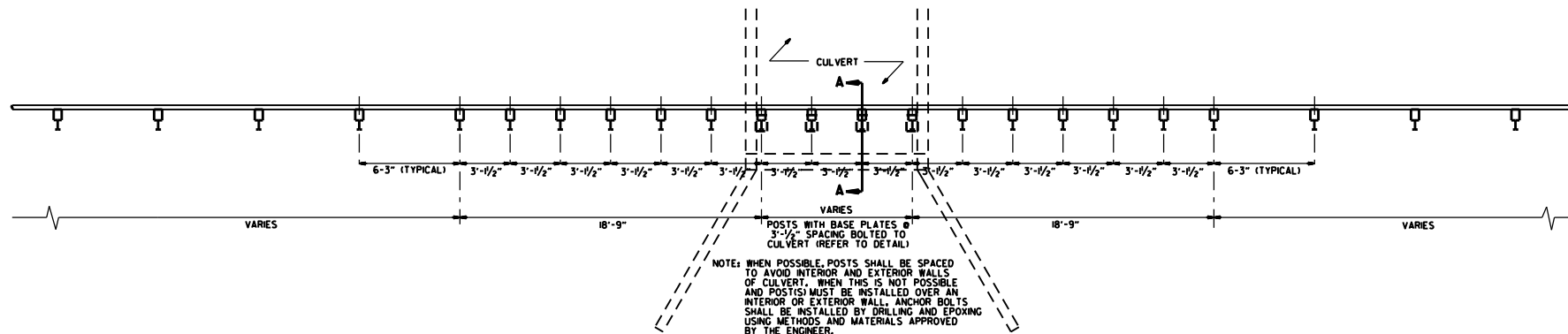
Zone B:
Backfill hole in 6" lifts with material meeting the requirements of Section 802.02(c) - Alternate gradation. Compact to 95% maximum dry density per ASTM D-698.

DETAIL OF POST PLACEMENT IN SOLID ROCK (W-BEAM)



Notes: For overlying soil depths (A) ranging from 18" to 44", the depth of required drilling (B) is equal to either 12" or 44" minus the depth of soil whichever is less.

Zone A & B:
Backfill according to Section 617.03(a).



PLAN LAYOUT OF TYPE A GUARDRAIL AT LOW-FILL CULVERTS

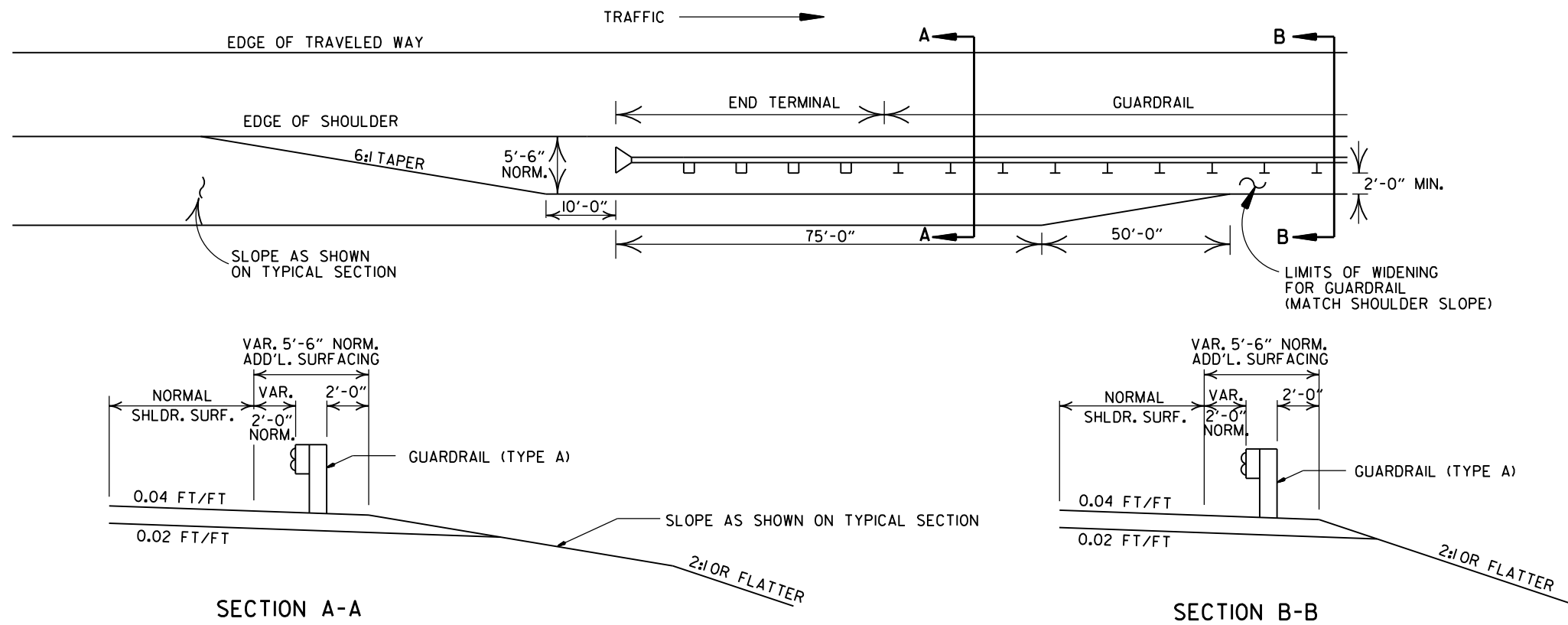
NOTE: THIS DETAIL IS TO BE USED ONLY WHEN THE COVER OVER THE CULVERT DOES NOT PERMIT FULL EMBEDMENT OF GUARDRAIL POSTS AS SHOWN ON STD. DRWG. GR-6.

DATE	REVISION	FILED
11-07-19	RENUMBERED, RENAMED, REVISED REFERENCE	
11-16-17	REVISED GUARDRAIL HEIGHT	
07-14-10	RAISED HEIGHT OF GUARDRAIL 1"	
04-12-07	REVISED DETAIL OF GUARDRAIL PLACEMENT BEHIND CURB	
11-10-05	ADDED GUARDRAIL PLACEMENT BEHIND CURB; REVISED DETAIL OF CONNECTION	
11-18-04	REVISED POST PLACEMENT IN ROCK & CULVERT CONNECTION DETAILS. ADDED DETAIL FOR GUARDRAIL PLACEMENT AT LOW-FILL CULVERTS	
03-30-00	REMOVED CONCRETE INSERT ANCHOR	
08-12-98	CHANGED STEEL SPACER BLOCK TO WOOD BLOCKOUT, ADDED DET. OF GUARDRAIL CONNECTION TO R.C. BOX CULVT., DELETED DET. OF STEEL LINE POST CONN. & ADDED DET. OF GUARDRAIL PLACE. BEHIND CURB & DET. OF POSTPLACE. IN SOLID ROCK	
04-03-96	PLACED ARROWS AT CUT STEEL WASHERS	4-3-96
10-18-96	REV. ASTM REF. TO AASHTO	
11-22-95	ADDED OPTIONAL HOLES	
06-02-94	REVISED ALTERNATE POST SIZE	
08-05-93	REVISED STEEL POST SIZE	
10-01-92	REDRAWN & REVISED	10-1-92
08-02-90	DEL. WASHER ON ANCHOR ASSEMBLY	8-2-90
07-15-88	CONFORMED TO 1988 SPECS	
03-04-88	REVISED ANCHOR NOTE	
10-30-87	REVISED ANCHOR ASSEMBLY	712-10-30-87
10-30-87	REVISED PLACEMENT BEHIND CURB	547-10-30-87
10-09-87	REDRAWN & REVISED	803-10-9-87

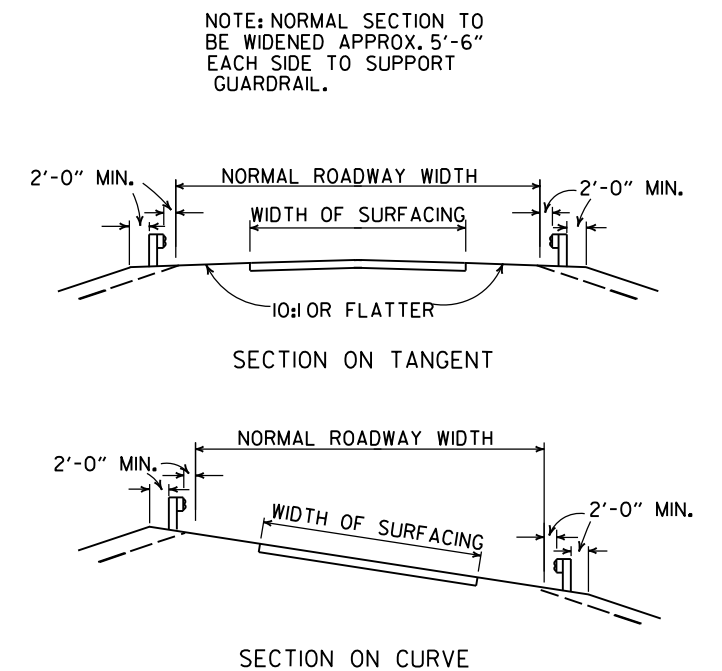
ARKANSAS STATE HIGHWAY COMMISSION

GUARDRAIL DETAILS

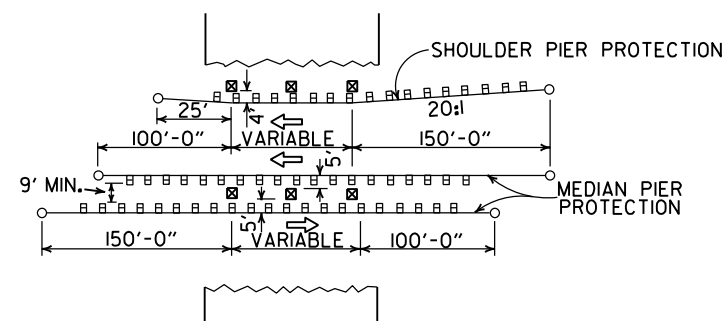
STANDARD DRAWING GR-7



DETAILS OF WIDENING FOR GUARDRAIL



DETAILS SHOWING POSITION OF GUARDRAIL ON HIGHWAY



METHOD OF INSTALLATION OF GUARDRAIL AT FIXED OBSTACLE

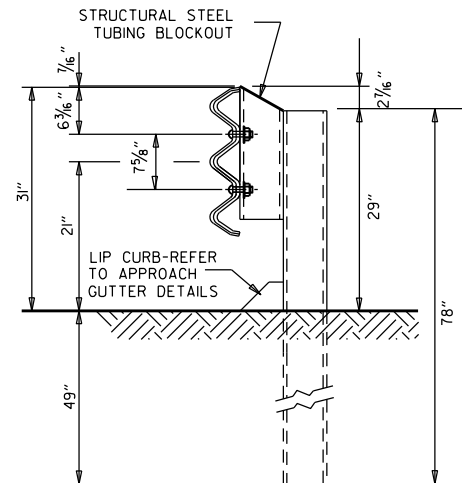
			ARKANSAS STATE HIGHWAY COMMISSION
			GUARDRAIL DETAILS
			STANDARD DRAWING GR-9
11-07-19	RENUMBERED AND RENAMED		
4-17-08	MINOR REVISION		
11-10-05	DRAWN		
DATE	REVISION	DATE FILED	



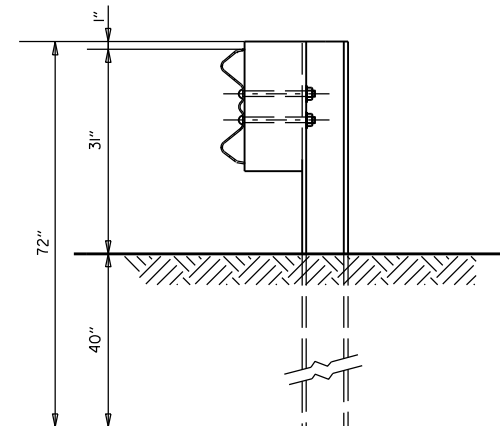
CONNECTOR PLATE

THRIE BEAM RAIL SPLICE AT POST

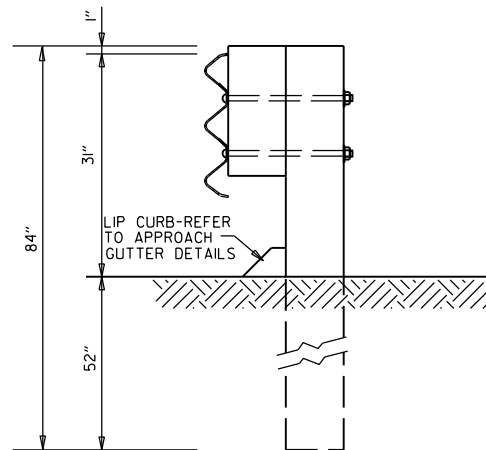
II-07-19	RENAMED AND REVISED REFERENCES	
II-16-17	REVISED TRANSITION SECTION, GUARD RAIL HEIGHT, AND GENERAL NOTES; MOVED THRIE BEAM GUARD RAIL CONNECTIONS AT BRIDGES ENDS TO STD. DRWG. GR-12	
07-14-10	RAISED HEIGHT OF W-BEAM 1"	
II-29-07	ADDED PLASTIC BLOCKOUTS	
II-10-05	ADDED NOTE FOR ATTACHING STEEL BLOCKOUT	ARKANSAS STATE HIGHWAY COMMISSION
II-18-04	REVISED GENERAL NOTES	GUARDRAIL DETAILS
10-9-03	REVISED GENERAL NOTES	
04-10-03	REVISED GENERAL NOTES	
08-22-02	REVISED NOTE (2)	
06-29-00	MOVED DIMENSION LINES	
05-18-00	ADDED NOTE	
03-30-00	DRAWN & ISSUED	
DATE	REVISION	FILMED
		STANDARD DRAWING GR-10



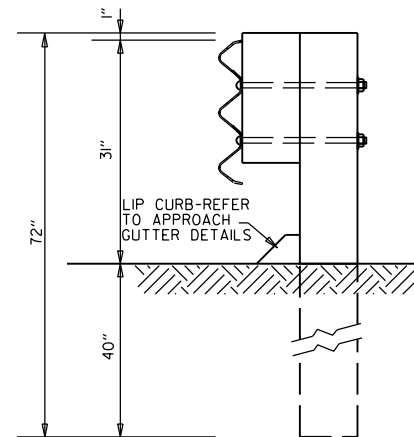
THRIE BEAM RAIL WITH STEEL TUBING BLOCKOUT
AND STEEL POST
POSTS 1-7



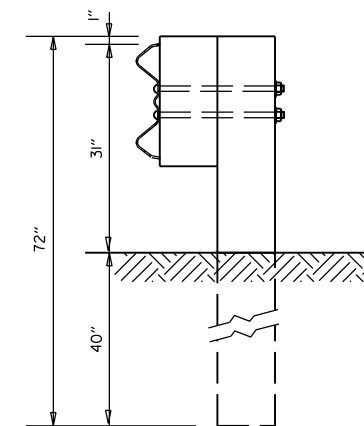
W-BEAM TO THRIE BEAM TRANSITION RAIL
WITH WOOD OR PLASTIC BLOCKOUT AND STEEL POST
POST 8



THRIE BEAM RAIL
WITH WOOD OR PLASTIC
BLOCKOUTS & WOOD POSTS
POSTS 1-6



THRIE BEAM RAIL
WITH WOOD OR PLASTIC
BLOCKOUT & WOOD POST
POST 7



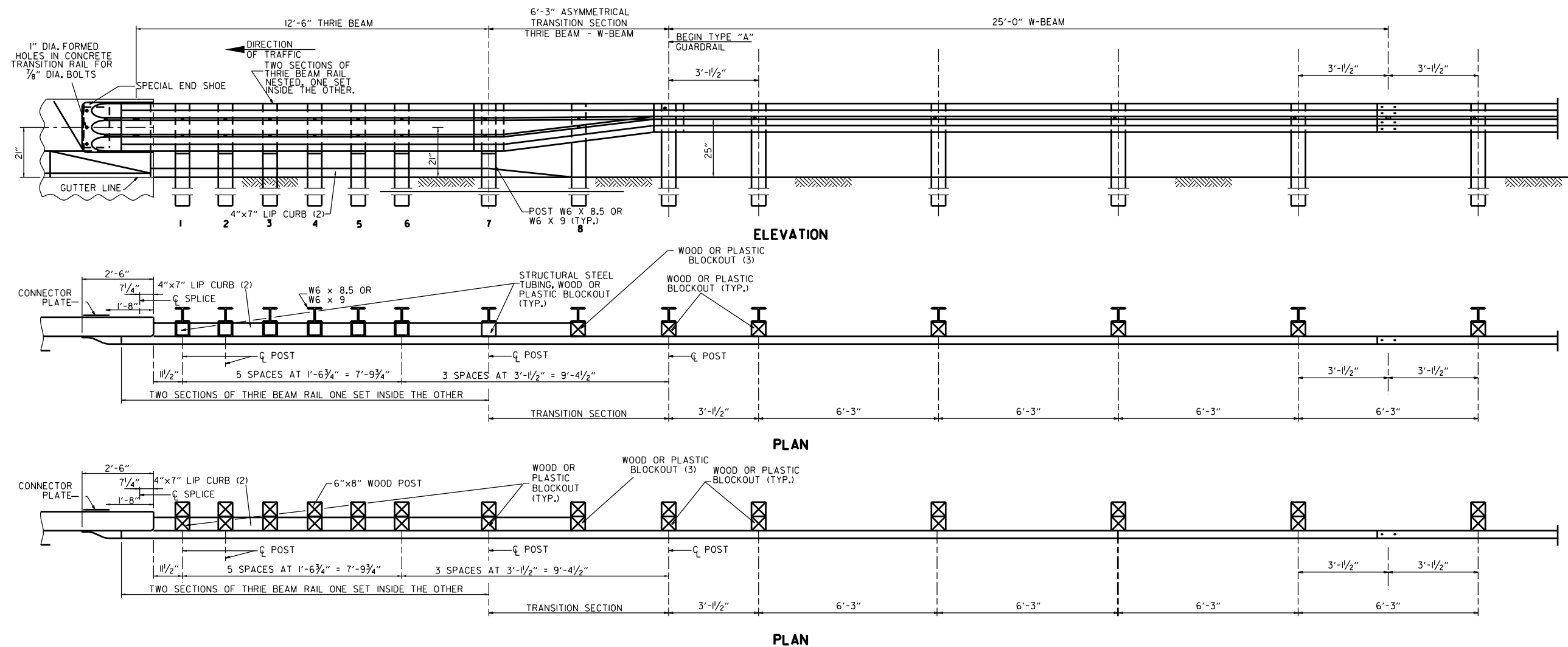
W-BEAM TO THRIE BEAM
TRANSITION RAIL WITH WOOD OR
PLASTIC BLOCKOUT & WOOD POST
POST 8

GENERAL NOTES:

RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 9.7f (1400 f) OR NO. 1 350 f SOUTHERN PINE.

			ARKANSAS STATE HIGHWAY COMMISSION
II-07-19	RENAMED		GUARDRAIL DETAILS
II-16-17	REVISED GUARDRAIL HEIGHT, CHANGED STD. DWG. NUMBER FROM GR-10A TO GR-II		
07-14-10	REVISED POST 8 DIMENSIONS		
II-29-07	ADDED PLASTIC BLOCKOUTS		
08-22-02	REVISED LIP CURB NOTE		
03-30-00	DRAWN & ISSUED		STANDARD DRAWING GR-II
DATE	REVISION	FILMED	



- (1) VERIFY BOLT SPACING FROM RAIL TRANSITION PRODUCER.
(2) REFER TO APPROACH GUTTER DETAILS.
(3) LENGTH OF BLOCKOUT ON POST 8 TO BE MODIFIED TO FIT RAIL WIDTH.

THRIE BEAM GUARDRAIL CONNECTION AT BRIDGE ENDS

GENERAL NOTES:

THE THRIE BEAM RAIL, SPECIAL END SHOE, AND THE TRANSITION SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE. ZINC COATING SHALL BE TYPE I.

RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 3/4" BEYOND IT.

ALL LAP SPLICES, INCLUDING SPECIAL END SHOES, SHALL BE MADE IN THE DIRECTION SHOWN ON STANDARD DRAWINGS GR-8 & GR-13.

REFER TO STD. DRWG. GR-II FOR POST DETAILS.

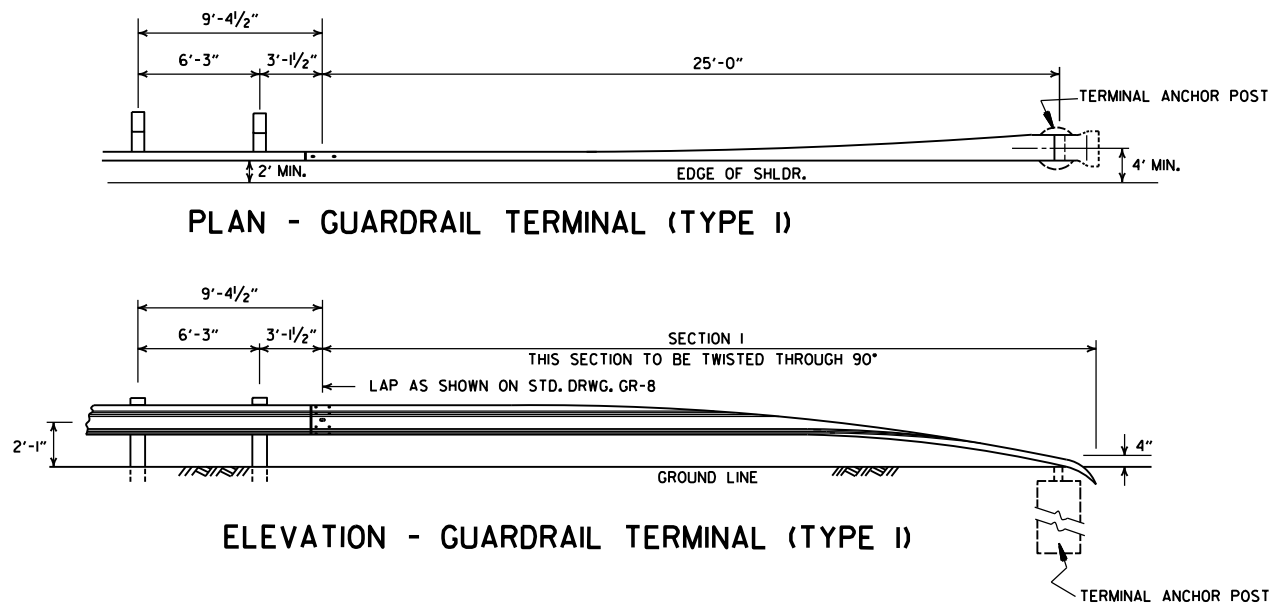
USE THRIE BEAM GUARDRAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB.

THRIE BEAM POSTS SHALL BE SAME MATERIAL AS W-BEAM POSTS FOR ENTIRE JOB.

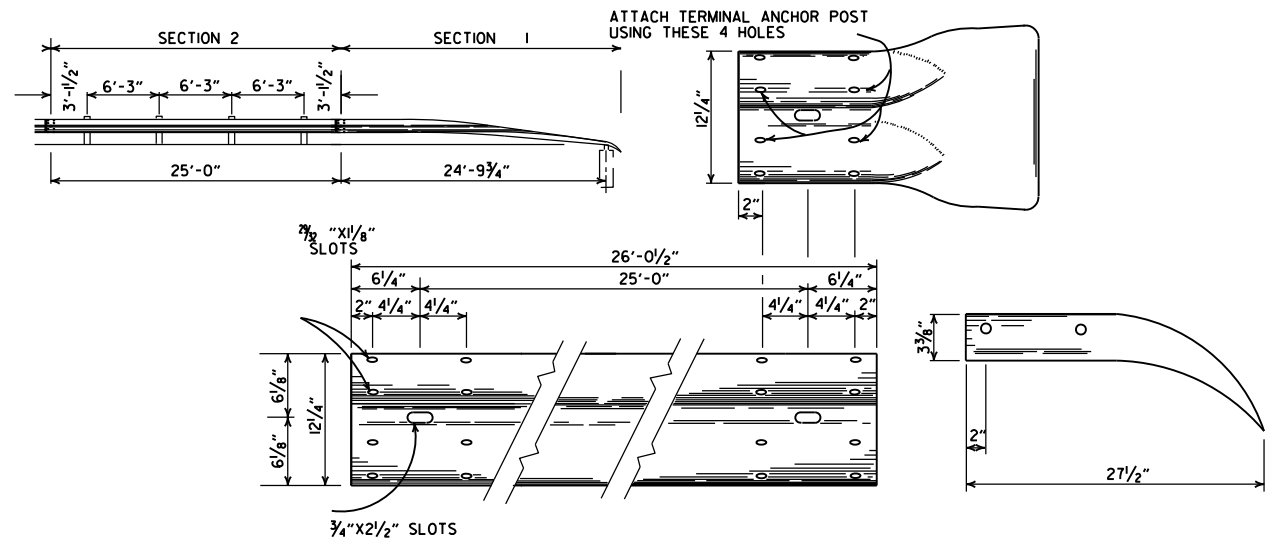
POSTS SHALL NOT BE PLACED AT SPLICE LOCATIONS ALONG W-BEAM RAILS.

WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 9.7f (1400 f) OR NO. 1 1350 f SOUTHERN PINE.

			ARKANSAS STATE HIGHWAY COMMISSION
			GUARDRAIL DETAILS
05-14-20	REVISED NOTES		
11-07-19	RENAMED & REVISED REFERENCES		
11-16-17	RE-DRAWN FROM STD. DWG. GR-10 & ISSUED		
DATE	REVISION	FILMED	STANDARD DRAWING GR-12

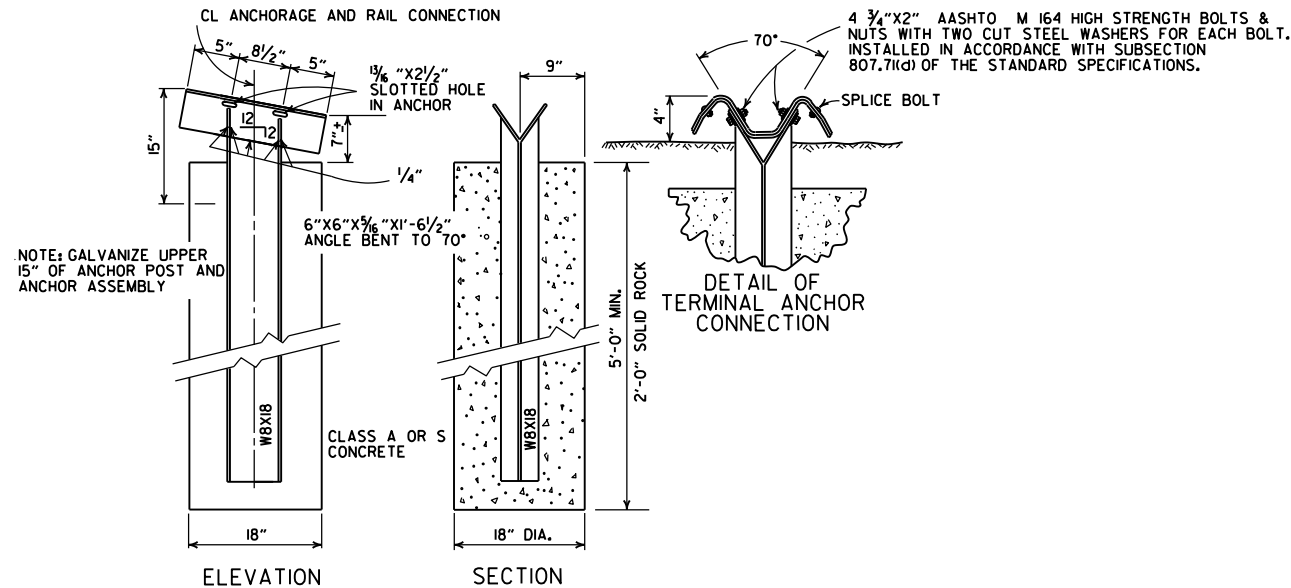


NOTE:
SECTIONS 1 AND 2 OF GUARDRAIL TERMINAL
SHALL BE PAID FOR AT THE PRICE BID PER
LINEAR FOOT OF THE TYPE OF GUARDRAIL SPECIFIED.



SECTION 1

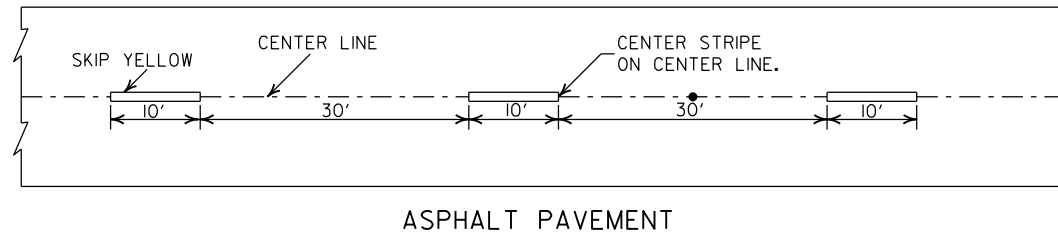
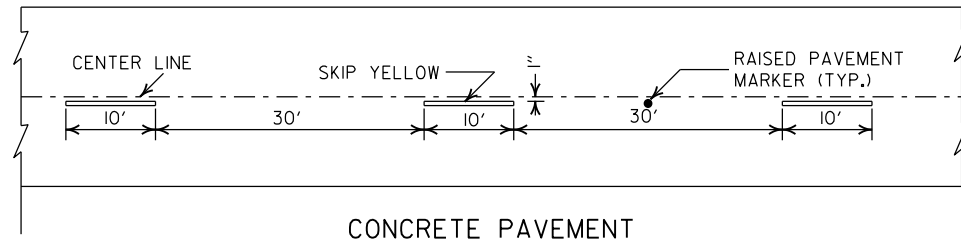
TERMINAL SECTION



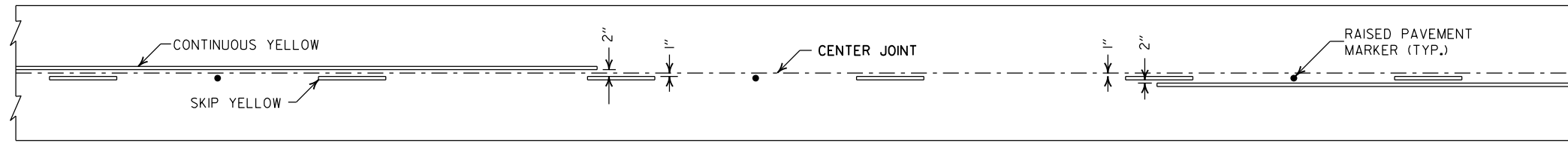
NOTE: RAIL MEMBERS MAY BE BOLTED TO ANGLE AT TERMINAL ANCHOR AND THE TWO ASSEMBLIES POSITIONED TO PROPER ALIGNMENT PRIOR TO PLACING CONCRETE AROUND 8 W/ 17 POST IF CONTRACTOR SO DESIRES.

DETAIL OF TERMINAL ANCHOR POST (TYPE I)

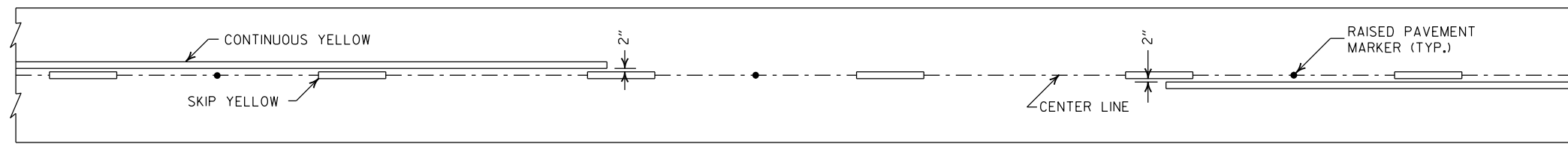
11-07-19	RENAMED & REVISED REFERENCE.		ARKANSAS STATE HIGHWAY COMMISSION
11-16-17	REVISED GUARDRAIL HEIGHT AND LOCATION OF POSTS		GUARDRAIL DETAILS
07-14-10	RAISED HEIGHT OF GUARDRAIL 1"		
06-26-97	REVISED LAP NOTE		
10-18-96	REVISED ASTM REF. TO AASHTO		
11-03-94	DIMENSION TERMINAL DETAIL		STANDARD DRAWING GRT-1
11-11-92	ADDED NOTE FOR PAYMENT	11-11-92	
10-01-92	DRAWN & ISSUED	10-1-92	
DATE	REVISION	FILMED	



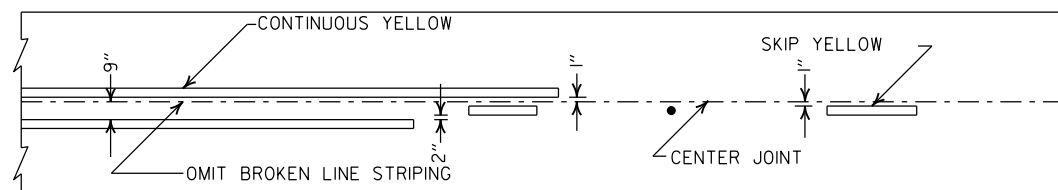
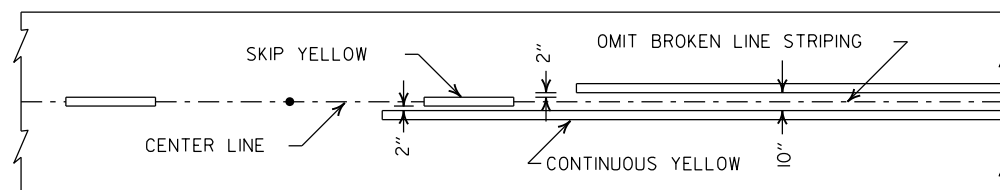
BROKEN LINE STRIPING



SOLID LINE STRIPING ON CONCRETE PAVEMENT



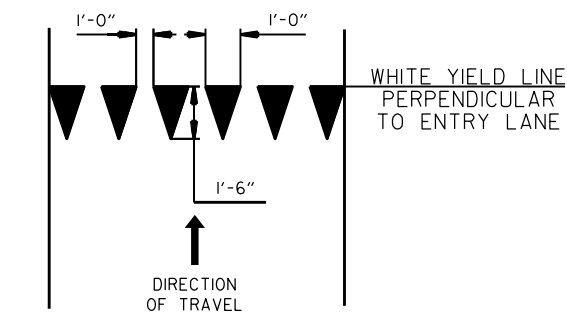
SOLID LINE STRIPING ON ASPHALT PAVEMENT



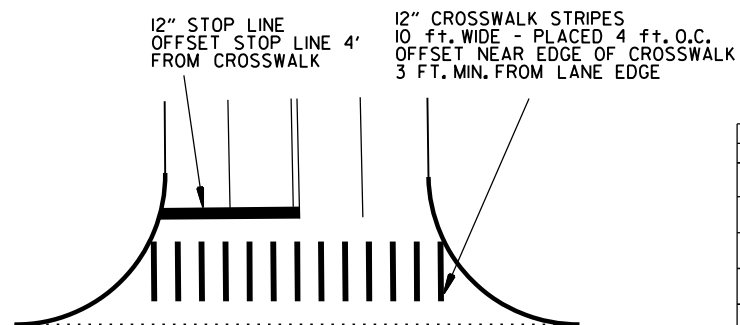
ASPHALT PAVEMENT

CONCRETE PAVEMENT

STRIPING AT ADJACENT NO PASSING LANES



YIELD LINE DETAIL

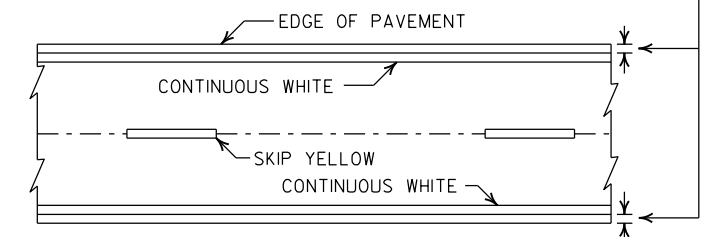


CROSSWALK AND STOP LINE DETAILS

NOTES:

1. REFER TO THE STRIPING DETAILS FOR PAVEMENT MARKING LINE WIDTHS.
2. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH THE LATEST REVISED ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
3. RAISED PAVEMENT MARKERS SHALL BE PLACED ON AN 80 FEET SPACING UNLESS OTHERWISE SHOWN IN THE PLANS.

2" FOR ASPHALT OR CONCRETE PAVEMENT
6" FOR BITUMINOUS SURFACE TREATMENT

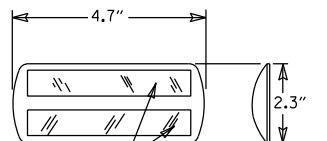


PAVEMENT EDGE LINE MARKING

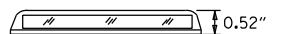
NOTE:
THE RED LENS OF THE
TYPE II R.P.M. SHALL
FACE THE INCORRECT
TRAFFIC MOVEMENT.

TYPE II
RED/CLEAR OR
YELLOW/YELLOW

PRISMATIC REFLECTOR



NOTE:
DIMENSIONS SHOWN FOR RAISED PAVEMENT
MARKERS ARE TYPICAL. THE CONTRACTOR
MAY SUBSTITUTE SIMILAR MARKERS WITH
THE APPROVAL OF THE ENGINEER. REQUESTING
APPROVAL FOR SIMILAR MARKERS MAY BE
MADE BY REFERRING TO THE ARDOT QUALIFIED
PRODUCTS LIST.



DETAIL OF STANDARD RAISED PAVEMENT MARKERS

2-27-20	REVISED STOP LINE DETAILS	
6-1-17	ADDED YIELD LINE DETAIL	
5-12-16	REVISED LINE WIDTHS, SPACING, & NOTES	
9-12-13	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS	
11-17-10	REVISED GENERAL NOTES & REMOVED PLOWABLE PVMT MRKRS	
11-18-04	REVISED NOTE 2 & GENERAL NOTES	
8-22-02	ADDED CROSSWALK & STOPBAR DTLS.	
7-02-98	ADDED DETAILS OF STD. RAISED PAV'T. MARKERS	
4-26-96	REV. NOTES 3&4; ADDED R.P.M.	
9-30-80	DRAWN	1-9-30-80
DATE	REVISION	FILMED

ARKANSAS STATE HIGHWAY COMMISSION

PAVEMENT MARKING DETAILS

STANDARD DRAWING PM-1

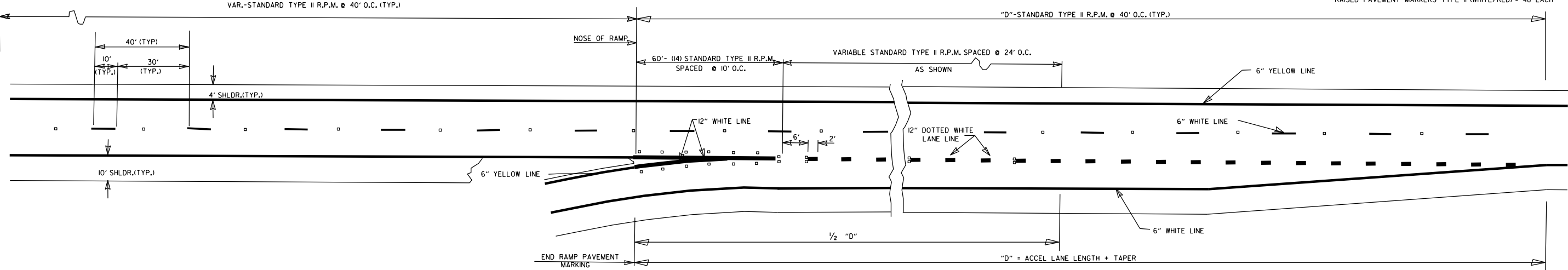
PAVEMENT MARKING QUANTITIES
(BASED ON 700' ACCEL. LANE + 300' TAPER)

ENTRANCE RAMP

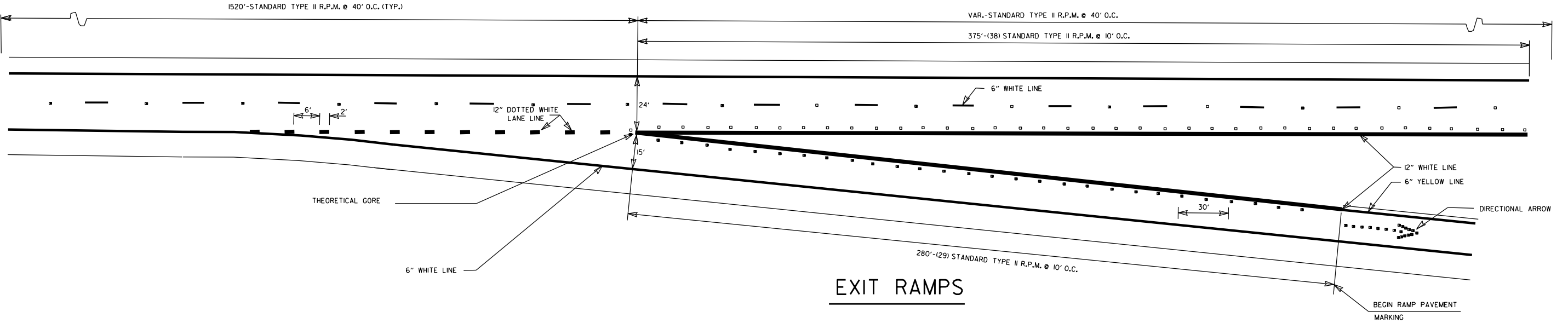
12" WHITE = 370 LIN. FT.
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH

EXIT RAMP

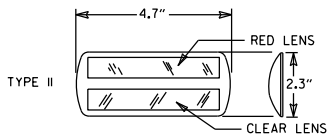
6" WHITE = 280 LIN. FT.
12" WHITE = 815 LIN. FT.
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 48 EACH



ENTRANCE RAMPS

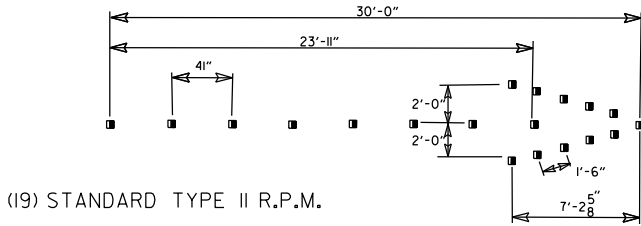


EXIT RAMPS



DETAIL OF
STANDARD
RAISED PAVEMENT MARKERS

NOTE:
THE RED LENS OF THE
TYPE II R.P.M. SHALL
FACE THE INCORRECT
TRAFFIC MOVEMENT.



DIRECTIONAL ARROWS

GENERAL NOTES:
THIS DRAWING SHOULD BE CONSIDERED AS TYPICAL ONLY
AND THE FINAL LOCATION OF THE STRIPING AND PAVEMENT
MARKERS SHALL BE DETERMINED BY THE ENGINEER.

THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH
THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES",
LATEST REVISION.

NOTE:
DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE
TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR
MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING
APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING
TO THE ARDOT QUALIFIED PRODUCTS LIST.

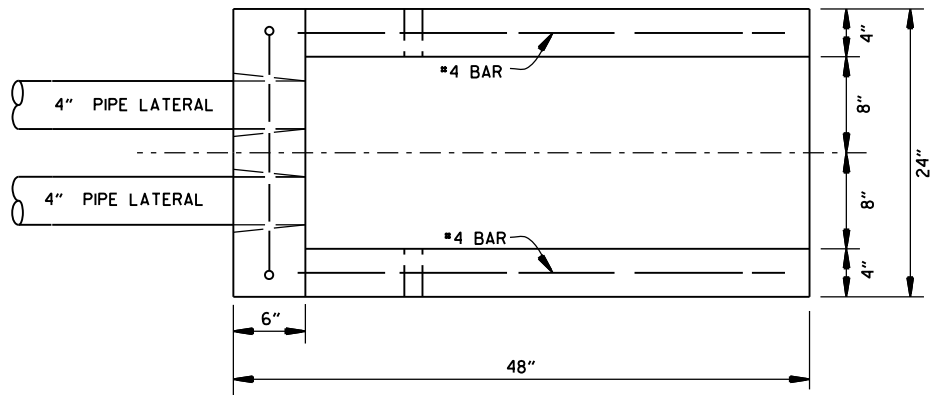
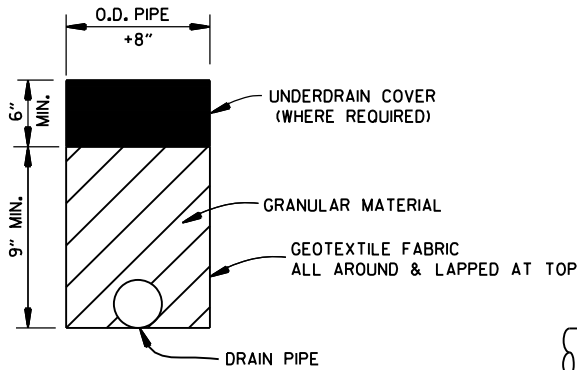
05-14-20	REMOVED CROSSHATCH MARKINGS ON EXIT RAMPS	
11-07-19	REVISED DOTTED PAV'T MARKINGS; ADDED CROSSHATCH MARKINGS ON EXIT RAMPS	
12-8-16	REVISED RAISED PAV'T MARKERS FOR 80' SPACING; REVISED WIDTH OF STRIPING	
9-12-13	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS	
7-26-12	REVISED RPM NOTATION	
12-15-11	REVISED RPMs ACCORDING TO LATEST POLICY	
11-17-10	REMOVED PLOWABLE PAVEMENT MARKERS	
6-3-10	REVISED PER 2009 MUTCD	
11-18-04	REVISED NOTES	
8-22-02	ADDED & REVISED NOTES; REV. ENTRANCE & EXIT RAMPS	
5-18-00	REMOVED HASHMARKS	
7-02-98	CHANGED TYPES TO ROMAN NUMERALS	
4-26-96	ADDED DIMENSIONS & QUANTITIES; REVISED LANE WIDTH ON EXIT RAMP	
2-2-95	PLACED IN USE	2-2-95
DATE	REVISION	FILMED

ARKANSAS STATE HIGHWAY COMMISSION

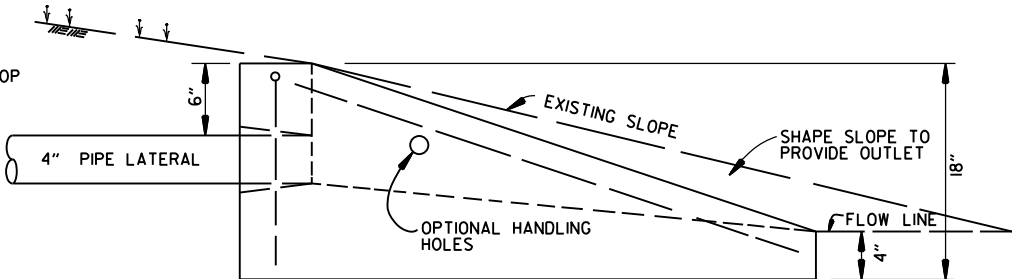
PAVEMENT MARKING DETAILS
ON
ACCESS CONTROLLED ROADWAYS

STANDARD DRAWING PM-2

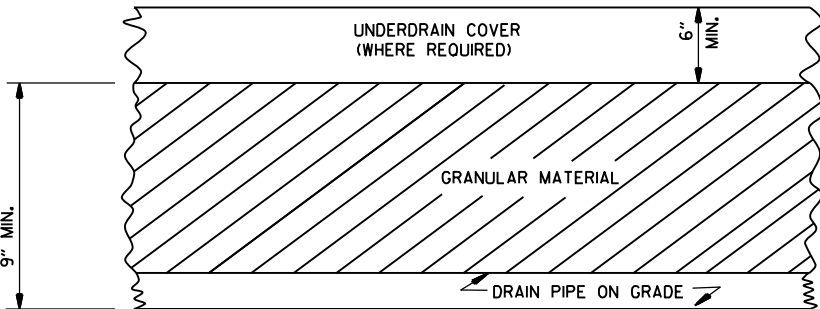
NOTE:
1. UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE UNDERDRAIN COVER SHALL BE THOROUGHLY COMPACTED EARTH AND SHALL BE SUBSIDIARY TO PIPE UNDERDRAIN.
2. GRANULAR MATERIAL SHALL BE WRAPPED WITH GEOTEXTILE FABRIC, LAP FABRIC 12" OR THE WIDTH OF THE TRENCH AT THE TOP.



PLAN VIEW



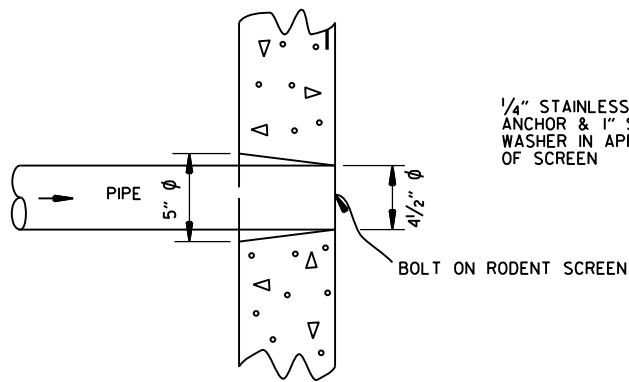
SIDE VIEW



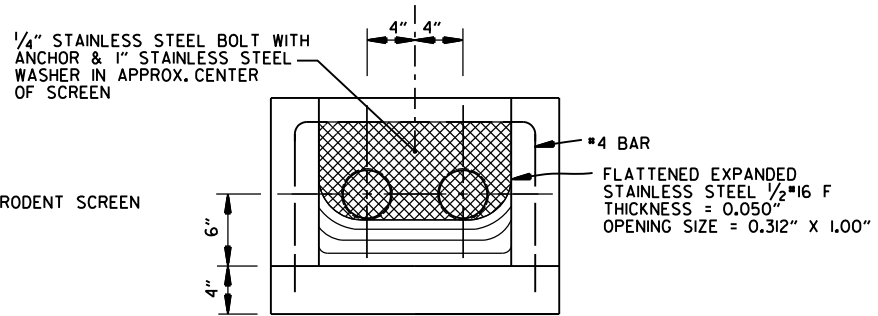
DETAILS OF PIPE UNDERDRAIN

NOTES FOR PIPE UNDERDRAINS

1. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF SECTION 625 FOR TYPE I. PAYMENT FOR GEOTEXTILE FABRIC AND GRANULAR FILTER MATERIAL SHALL BE INCLUDED IN THE PRICE BID PER LIN. FT. FOR "4" PIPE UNDERDRAINS" IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
2. 4" NON-PERFORATED SCHEDULE 40 PVC PIPE LATERALS WITH OUTLET PROTECTORS SHALL BE INSTALLED AS SHOWN HEREON. LATERALS WILL BE MEASURED AND PAID FOR AS "4" PIPE UNDERDRAINS." UNDERDRAIN OUTLET PROTECTORS WILL BE MEASURED AND PAID FOR BY THE UNIT IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
3. EXISTING 4" PIPE UNDERDRAINS MAY BE CONNECTED TO PROPOSED DROP INLETS OR EXTENDED WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR CONNECTING TO DROP INLETS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "4" PIPE UNDERDRAINS."
4. THE LOCATION OF ALL LATERALS SHALL BE MARKED WITH 4" X 12" PERMANENT PAVEMENT MARKING TAPE (TYPE III WHITE) AT THE OUTSIDE EDGE OF THE SHOULDER, PLACED TRANSVERSE TO TRAFFIC. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.
5. PAYMENT FOR THE RODENT SCREEN SHALL BE INCLUDED IN THE PRICE BID PER EACH FOR "UNDERDRAIN OUTLET PROTECTORS."
6. ANY EXISTING UNDERDRAINS THAT INTERFERE WITH INSTALLATION OF THE NEW UNDERDRAIN SYSTEM SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS. EXISTING UNDERDRAIN OUTLET PROTECTORS SHALL BE REMOVED UNDER THE ITEM "REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS."
7. AT LOCATIONS WHERE A SINGLE LATERAL IS USED THE CONTRACTOR SHALL HAVE THE FOLLOWING OPTIONS: 1. INSTALL OUTLET PROTECTOR AS SHOWN ON STANDARD DRAWING PU-1 AND GROUT THE UNUSED HOLE OR 2. INSTALL AN OUTLET PROTECTOR WITH A SINGLE HOLE.



DETAIL OF HOLE FOR 4" PIPE

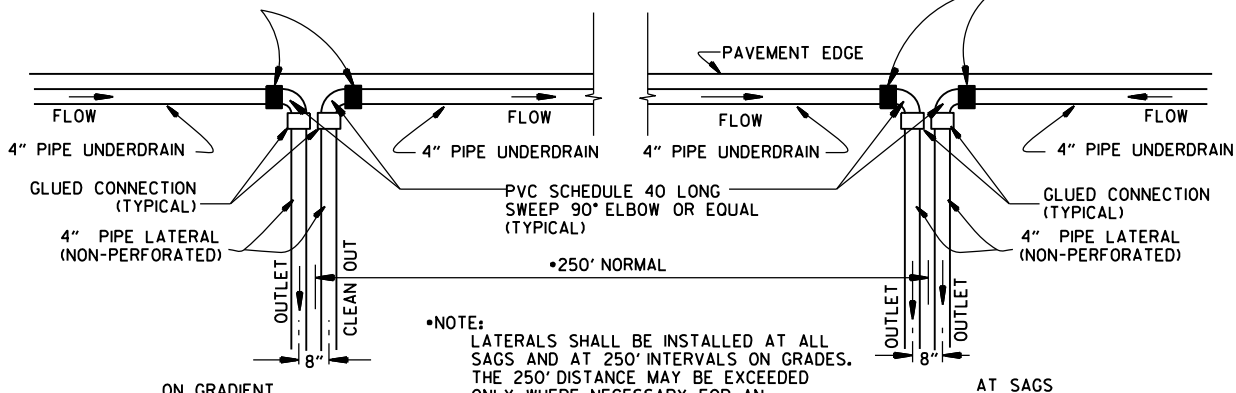


FRONT VIEW
(DETAIL OF RODENT SCREEN)

FERNCO 1056-44 (4" CI/PLASTIC) OR FERNCO 1051-44 (4" AC/DI OR 4" CI/PLASTIC) COUPLING OR EQUAL WITH 2 CLAMPS (TYPICAL)

UNDERDRAIN OUTLET PROTECTORS

FERNCO 1056-44 (4" CI/PLASTIC) OR FERNCO 1051-44 (4" AC/DI OR 4" CI/PLASTIC) COUPLING OR EQUAL WITH 2 CLAMPS (TYPICAL)



NOTE: LATERALS SHALL BE INSTALLED AT ALL SAGS AND AT 250' INTERVALS ON GRADES. THE 250' DISTANCE MAY BE EXCEEDED ONLY WHERE NECESSARY FOR AN ACCEPTABLE OUTLET.

DETAIL OF PIPE UNDERDRAIN LATERALS WHEN PLACED ALONG PAVEMENT EDGE


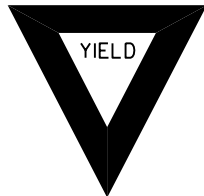

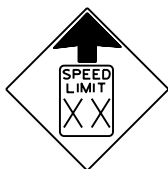

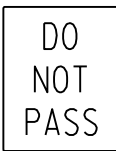



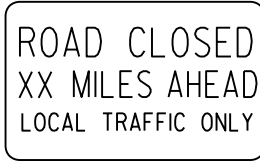


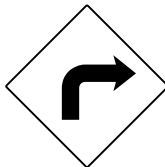




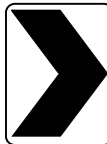
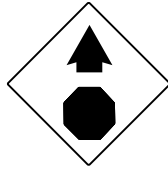
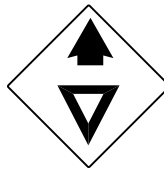
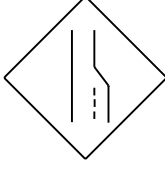

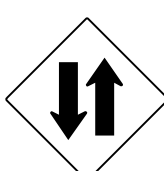




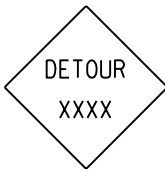






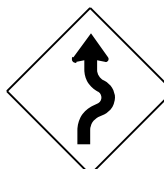
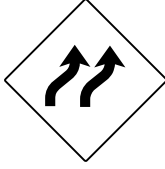


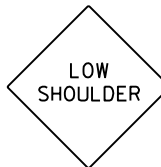

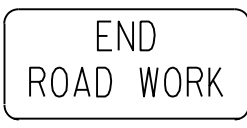
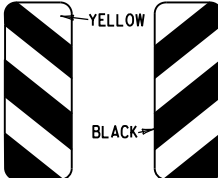


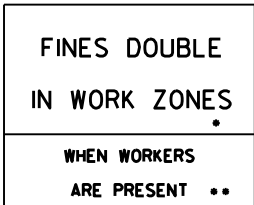
NOTE: PVC PIPE FOR LATERALS SHALL MEET THE REQUIREMENTS OF ASTM D 1785 (LATEST REVISION) FOR SCHEDULE 40 PIPE.

12-8-16	ADDED NOTES FOR PIPE UNDERDRAINS, REVISED RODENT SCREEN DETAIL AND NOTES, REMOVED NOTE 1 FOR GRANULAR MATERIAL, ADDED NOTE FOR GEOTEXTILE FABRIC	
4-10-03	REVISED NOTE 3	
1-12-00	REVISED DETAIL OF UNDERDRAIN LATERALS	
11-18-98	REVISED NOTE	
10-18-96	REVISED MIN. DEPTH & GEOTEXTILE FABRIC	
4-26-96	ADDED LATERAL NOTE: 5 1/2" TO 5"	
11-22-95	REVISED LATERALS	
7-20-95	REVISED LATERALS & ADDED NOTE	
11- 3-94	REVISED FOR DUAL LATERALS	11- 3-94
10- 1-92	SUBSTITUTED GEOTEXTILE	10- 1-92
8-15-91	ADDED POLYETHYLENE PIPE	8-15-91
11- 8-90	DELETED ALTERNATE NOTE	11- 8-90
1-25-90	ADDED 4" SNAP ADAPTER	1-25-90
11-30-89	DEL. (SUBGRADE); ADDED (WHERE REQUIRED)	11-30-89
7-15-88	ISSUED P.L.M.	647-7-15-88
DATE	REVISION	DATE FILMED

ARKANSAS STATE HIGHWAY COMMISSION

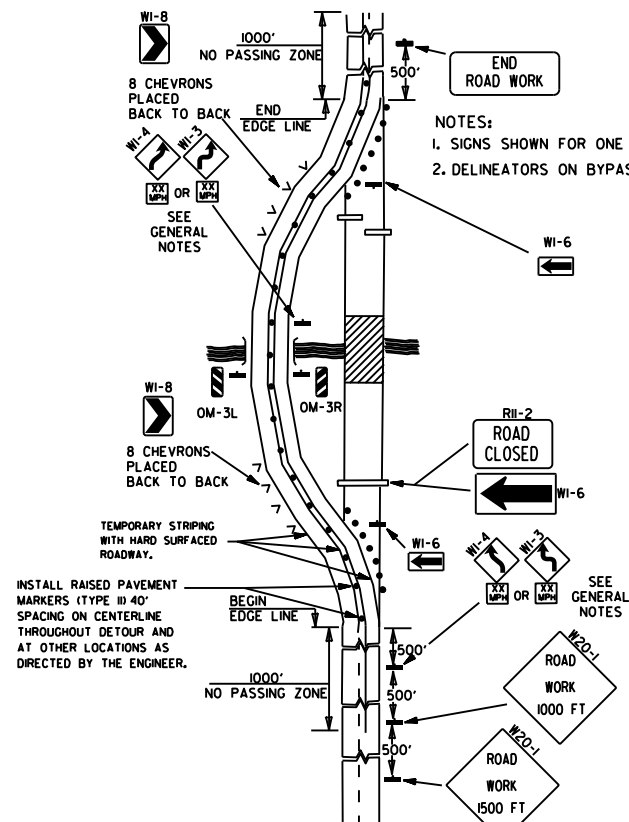
DETAILS OF PIPE UNDERDRAIN

STANDARD DRAWING PU-1

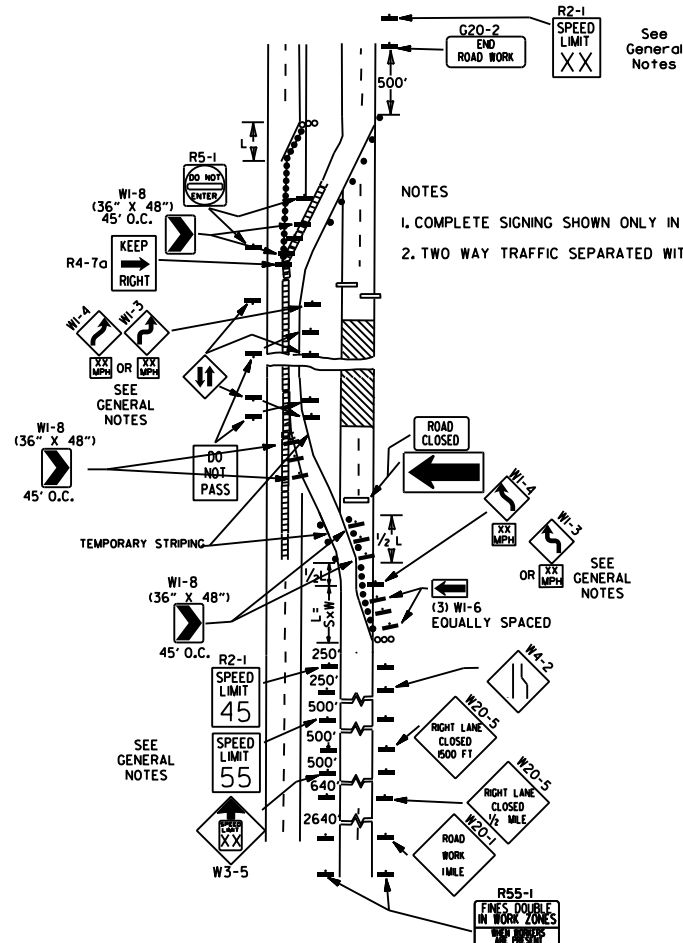
<div>RI-I</div> <div></div> <div>STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"</div>	<div>RI-2</div> <div></div> <div>STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"</div>	<div>R2-I</div> <div></div> <div>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</div>	<div>W3-5</div> <div></div> <div>STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"</div>	<div>W3-5a</div> <div></div> <div>STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"</div>	<div>R4-I</div> <div></div> <div>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</div>	<div>R4-2</div> <div></div> <div>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</div>	<div>ADVANCE DISTANCES (XXXX)</div> <div>500 FT 1/2 MILE 1000 FT 3/4 MILE 1500 FT 1 MILE AHEAD</div> <div>GENERAL NOTES: 1. 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. 2. 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. 3. 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. 4. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SQ. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE. 5. 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. 6. 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. 7. 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. 8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS. 9. 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. 10. 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 MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.</div>
<div>R5-I</div> <div></div> <div>STD. 30"x30" EXPWY. 36"x36" SPECIAL 48"x48"</div>	<div>R1I-2</div> <div></div> <div>48"x30"</div>	<div>R1I-3A</div> <div></div> <div>60"x30"</div>	<div>R1I-4</div> <div></div> <div>60"x30"</div>	<div>W2I-5a</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>WI-I</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>WI-2</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	
<div>WI-3</div> <div></div> <div>STD. 48"x48"</div>	<div>WI-4</div> <div></div> <div>STD. 48"x48"</div>	<div>WI-6</div> <div></div> <div>STD. 48"x24" SPECIAL 60"x30"</div>	<div>WI-8</div> <div></div> <div>STD. 18"x24" SPECIAL 24"x30" EXPWY. 30"x36" FWY. 36"x48"</div>	<div>W3-I</div> <div></div> <div>STD. 36"x36" SPECIAL 48"x48"</div>	<div>W3-2</div> <div></div> <div>STD. 36"x36" SPECIAL 48"x48"</div>	<div>W4-2</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	
<div>W5-I</div> <div></div> <div>STD. 36"x36" SPECIAL 48"x48"</div>	<div>W6-3</div> <div></div> <div>EXPWY. 36"x36" SPECIAL 48"x48"</div>	<div>W8-7</div> <div></div> <div>EXPWY. 36"x36" FWY. 48"x48"</div>	<div>W9-2</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>W13-I</div> <div></div> <div>STD. 24"x24"</div>	<div>W20-I</div> <div></div> <div>STD. 48"x48"</div>	<div>W20-2</div> <div></div> <div>STD. 48"x48"</div>	<div>W20-3</div> <div></div> <div>STD. 48"x48"</div>
<div>W20-4</div> <div></div> <div>STD. 48"x48"</div>	<div>W20-5</div> <div></div> <div>STD. 48"x48"</div>	<div>W20-7a</div> <div><div>18" 500 FEET 24" W16-2</div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>W2I-2</div> <div></div> <div>STD. 30"x30" SPECIAL 36"x36"</div>	<div>W2I-5</div> <div></div> <div>STD. 30"x30" SPECIAL 36"x36"</div>	<div>W24-I</div> <div></div> <div>STD. 36"x36"</div>	<div>WI-4b</div> <div></div> <div>STD. 48"x48"</div>	<div>R56-I</div> <div></div> <div>STD. 18"x18"</div>
<div>W8-II</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>W8-9</div> <div></div> <div>STD. 36"x36" FWY. 48"x48"</div>	<div>G20-I</div> <div></div> <div>60"x24"</div>	<div>G20-2</div> <div></div> <div>48"x24"</div>	<div>OM-3L OM-3R</div> <div></div> <div>12"x36"</div>	<div>M4-9</div> <div></div> <div>STD. 30"x24" SPECIAL 48"x36" SPECIAL 60"x48"</div>	<div>M4-10</div> <div></div> <div>48"x18"</div>	<div>R55-I</div> <div></div> <div>36"x60" • USE 6" C LETTERS •• USE 4" D LETTERS</div>

11-07-19	REVISED FOR MASH	
4-13-17	DELETED RSP-1 & ADDED W2I-5a	
9-2-15	REVISED REDUCED SPEED LIMIT AHEAD SIGNS REVISED ROAD WORK NEXT XX MILES	
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

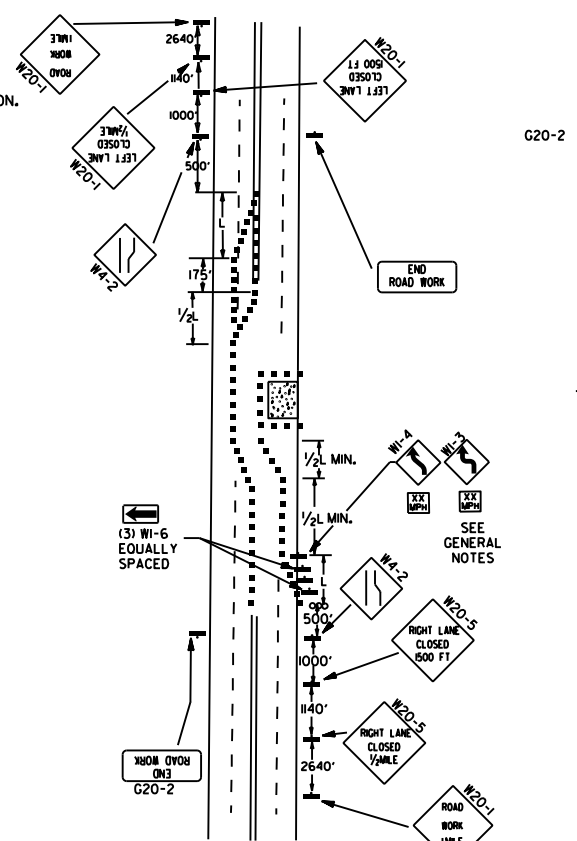
ARKANSAS STATE HIGHWAY COMMISSION
STANDARD TRAFFIC CONTROLS
FOR HIGHWAY CONSTRUCTION
STANDARD DRAWING TC-1



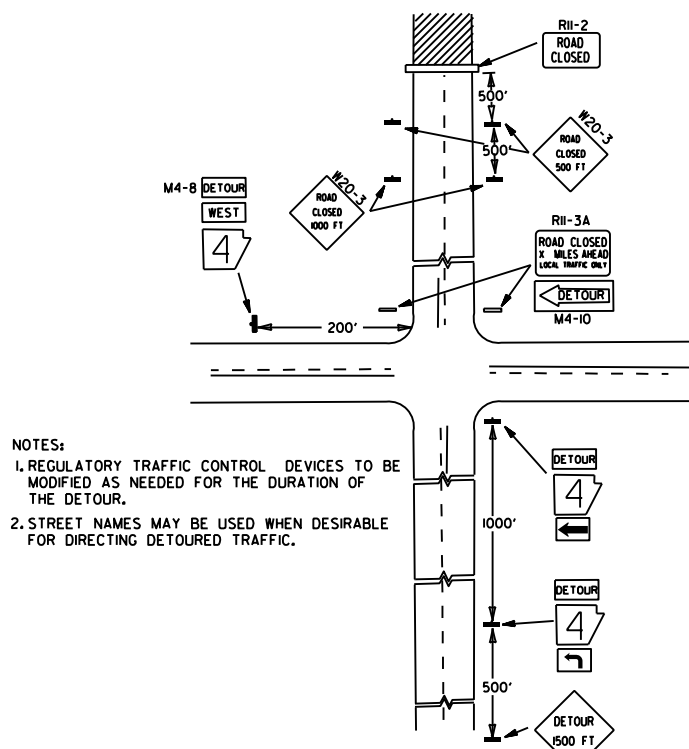
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



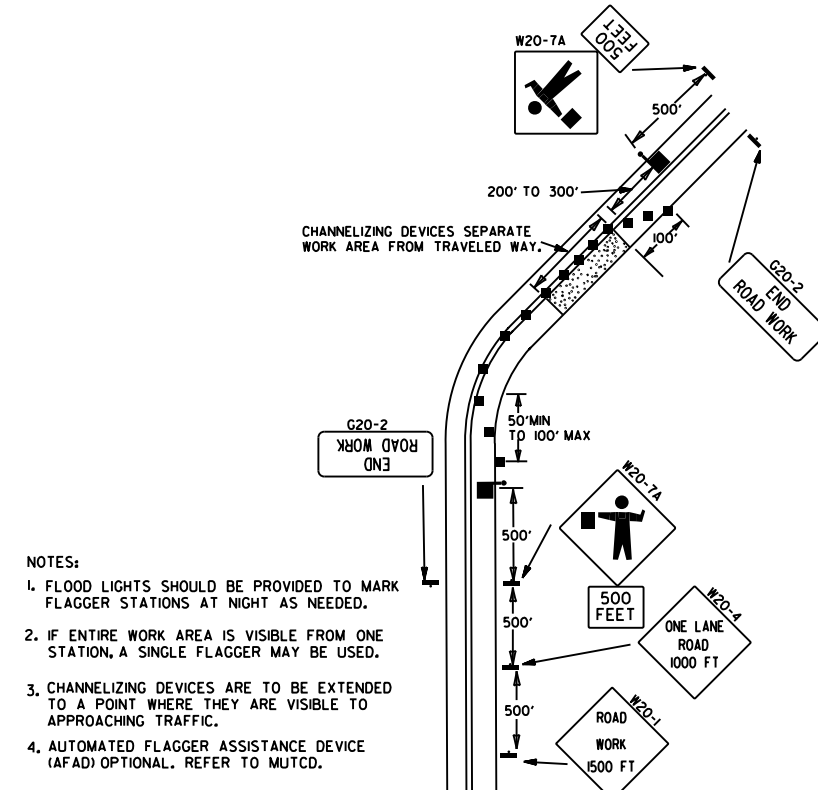
(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



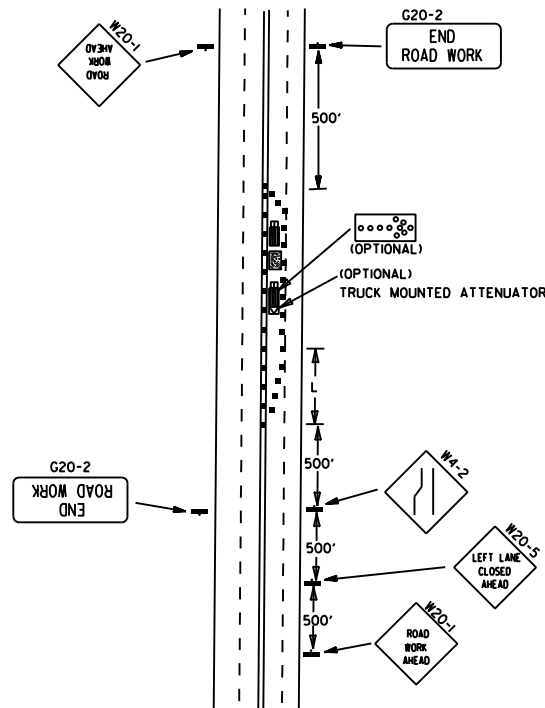
(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



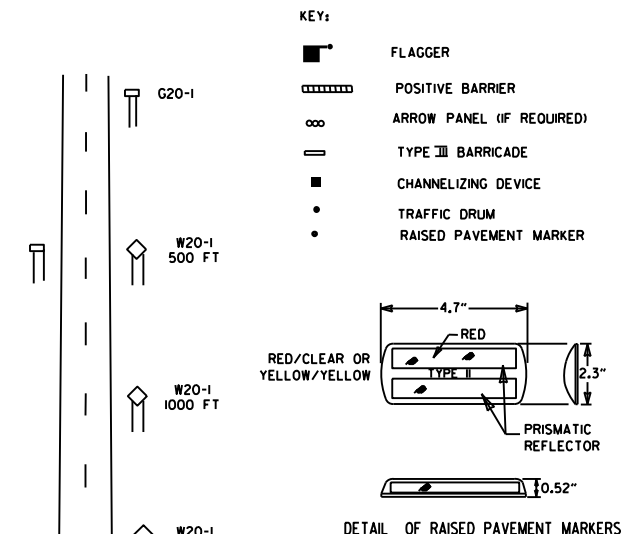
(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.



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

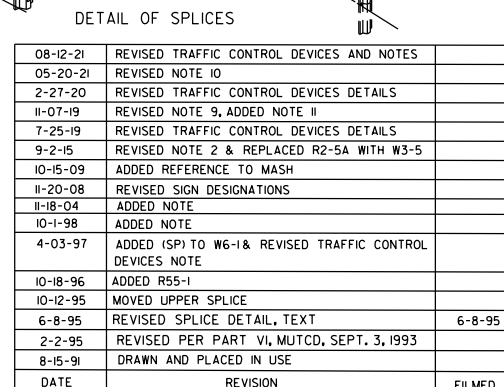
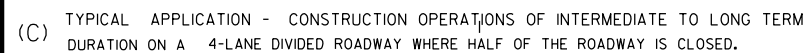
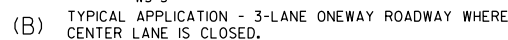
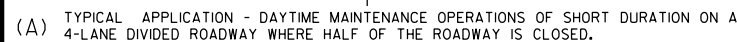


(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.



- GENERAL NOTES:
- THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS. 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 R2-1(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1(45)MPH 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.
 - 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)MPH 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.
 - 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. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
 - DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.
 - ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

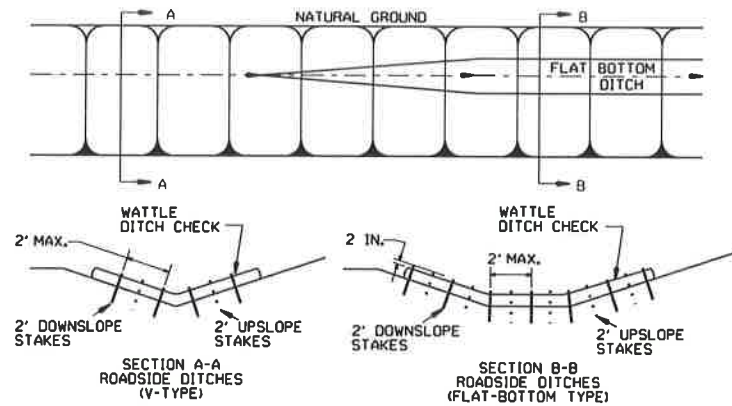
05-20-21	REVISED NOTE 7	
11-07-19	REVISED NOTE 1, ADDED NOTE 9	
9-2-15	REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5	
9-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKERS	
3-11-10	ADDED (AFAD)	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED 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	
DATE	REVISION	FILMED



ARKANSAS STATE HIGHWAY COMMISSION
STANDARD TRAFFIC CONTROLS
FOR HIGHWAY CONSTRUCTION
STANDARD DRAWING TC-3

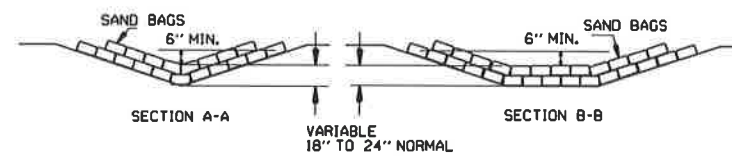
GENERAL NOTES

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

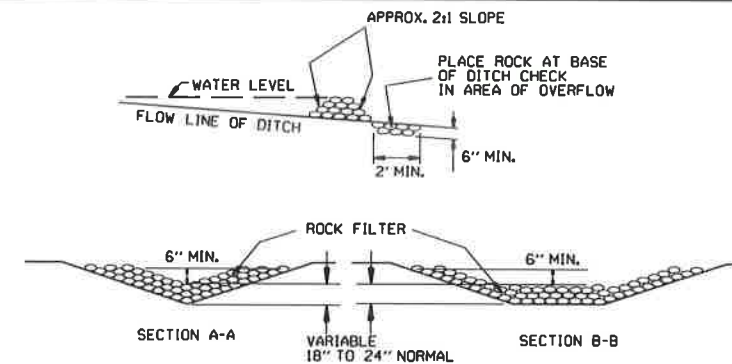


WATTLE DITCH CHECK (E-1)

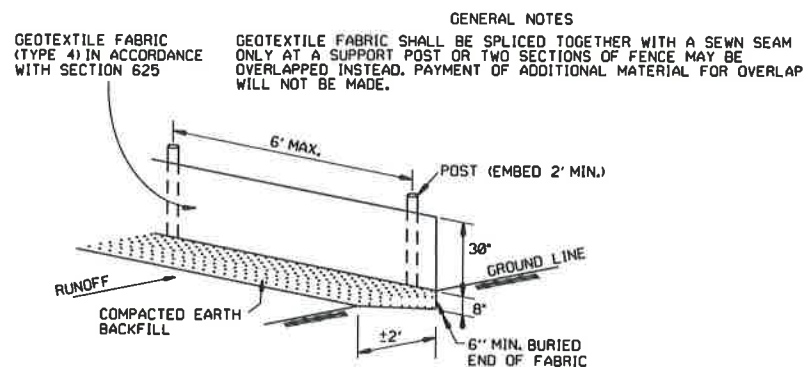
NUMBER OF SAND BAGS AND ARRANGEMENT VARIABLE WITH ON-SITE CONDITIONS. PLACE SAND BAGS AT BASE OF DITCH CHECK IN AREA OF OVERFLOW.



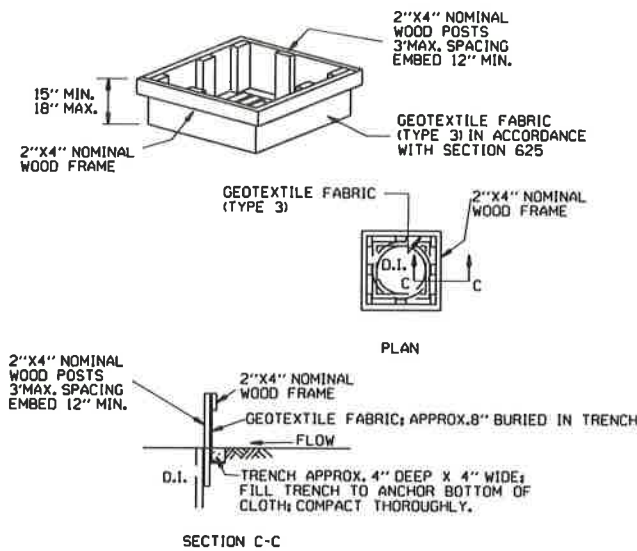
SAND BAG DITCH CHECK (E-5)



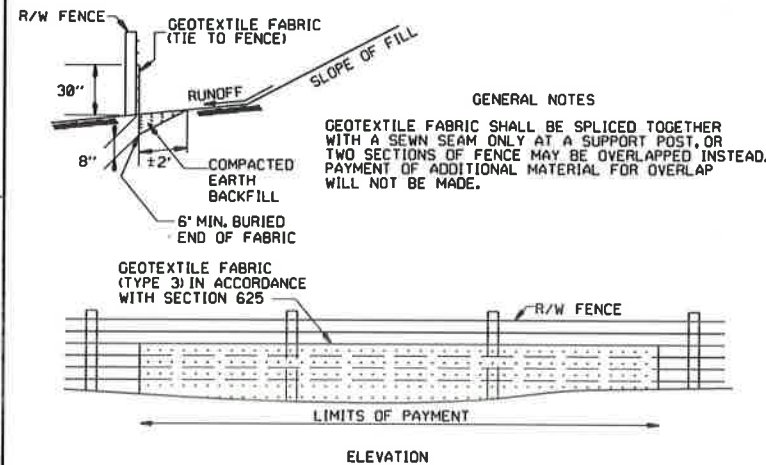
ROCK DITCH CHECK (E-6)



SILTS FENCE (E-11)

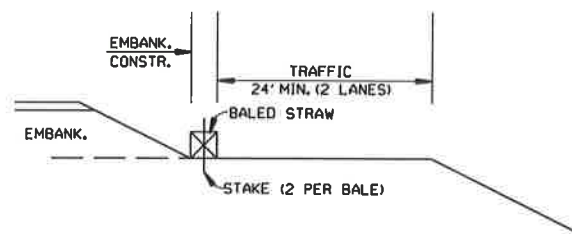


DROP INLET SILTS FENCE (E-7)

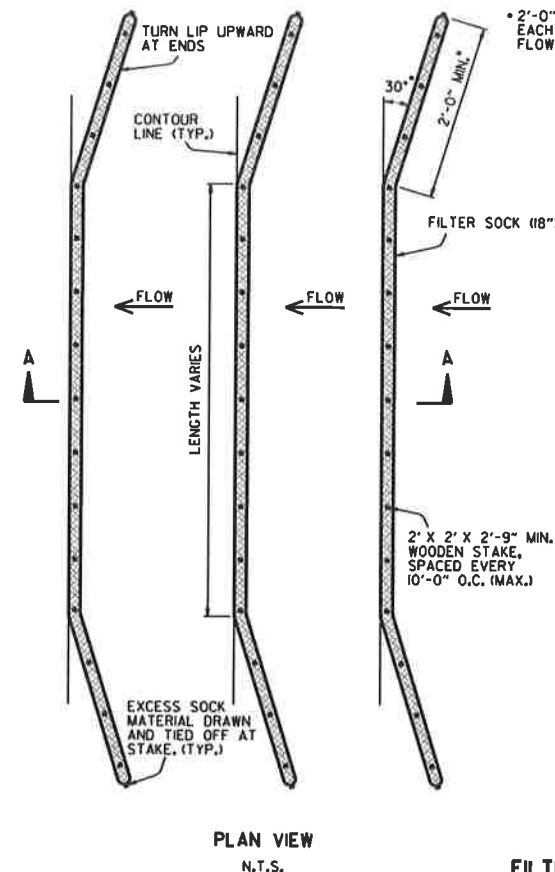


SILTS FENCE ON R/W FENCE (E-4)

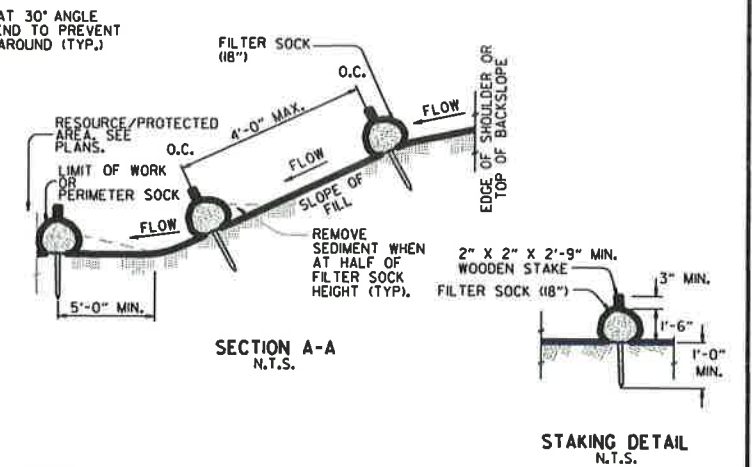
GENERAL NOTES
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
2. NO GAPS SHALL BE LEFT BETWEEN BALES.
3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED BY THE BALE IN PLACE AS AUTHORIZED BY THE ENGINEER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER BALE FOR BALED STRAW DITCH CHECKS.



BALED STRAW FILTER BARRIER (E-2)

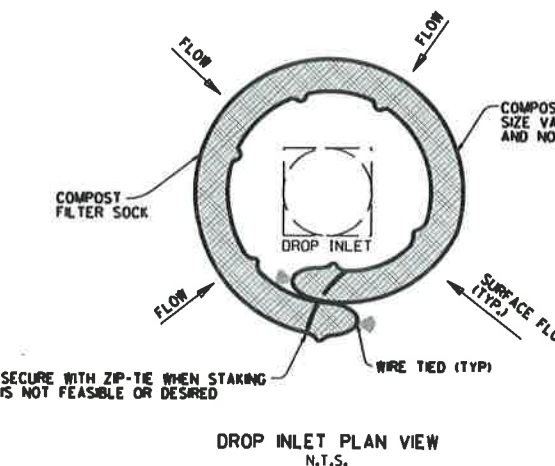


FILTER SOCK ALONG SLOPE (E-3)

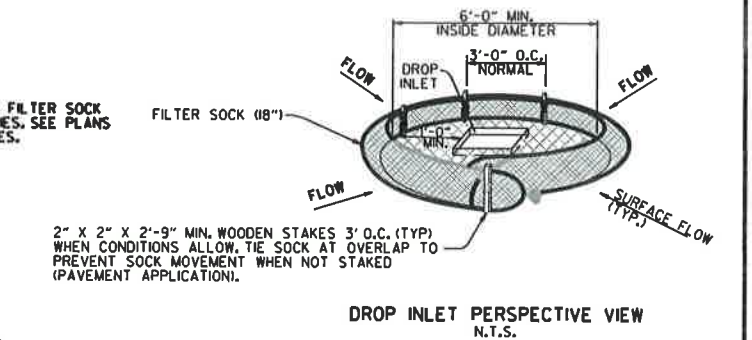


NOTES:

1. FILTER SOCKS CAN BE PLACED AT THE TOP, ON THE FACE, AND AT THE TOE OF SLOPES AS SEDIMENT-TRAPPING DEVICES FOR SHEET FLOW RUNOFF.
2. FILTER SOCKS ARE TYPICALLY SUPPLIED AND INSTALLED WITH 18 INCH DIAMETERS. DIAMETER TOLERANCE IS 2 INCHES, AS FILTER SOCKS TEND TO FLATTEN OUT WHEN PLACED.
3. STEEL POSTS MAY BE USED AND SHALL BE ROLLED FROM HIGH CARBON STEEL AND HAVE A MINIMUM OF 1.25 LB./FT. POSTS SHALL BE HOT-DIPPED GALVANIZED OR PAINTED WITH HIGH-GRADE WEATHER RESISTANT BROWN OR BLACK STEEL PAINT. STEEL POSTS SHALL BE EQUIPPED WITH ANCHOR PLATE HAVING A MINIMUM AREA OF 14 SQUARE INCHES. POSTS SHALL BE STUDDED, EMBOSSED, OR PUNCHED. POSTS AND ANCHOR PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A702. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR STEEL POSTS, BUT PRICE WILL BE CONSIDERED SUBSIDIARY TO "FILTER SOCK (18")."
4. FILTER SOCKS MAY BE UP TO 250 FEET LONG. WHEN USED ON LONG SLOPES, FILTER SOCKS MAY BE JOINTED OR STAGGERED AS SHOWN IN DETAILS.
5. INSPECT FILTER SOCKS AFTER EACH RUNOFF EVENT. REMOVE AND REPLACE IF SIGNS OF UNDERCUTTING OR DOWNSTREAM RILLS ARE OBSERVED.



COMPOST FILTER SOCK DROP INLET PROTECTION (E-13)

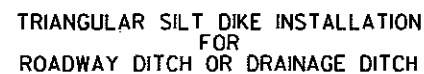
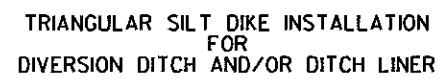


NOTES:

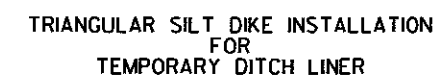
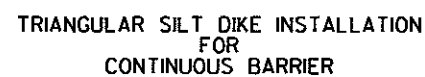
1. OVERLAP ENDS OF SOCK (1' MIN. 3' MAX.).
2. USE 18" DIA. SOCK IN NON-TRAFFIC AREAS OR AREAS WHERE SAFETY IS NOT A CONCERN.

11-16-17	ADDED FILTER SOCK E-3 AND E-13	
12-15-11	DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK	
4-18-98	ADDED NOTES	
07-02-98	ADDED BALED STRAW FILTER BARRIER (E-2)	
07-20-95	REVISED SILTS FENCE E-4 AND E-11	7-20-95
07-15-94	REV. E-4 & E-11 MIN. 13" BURIED END OF FABRIC	
06-02-94	REVISED E-1, 4, 7 & 11; DELETED E-2 & 3	6-2-94
04-01-93	REDRAWN	
10-01-92	REDRAWN	
08-02-76	ISSUED R.O.M.	298-7-28-76
DATE	REVISION	FILMED

ARKANSAS STATE HIGHWAY COMMISSION
TEMPORARY EROSION
CONTROL DEVICES
STANDARD DRAWING TEC-1



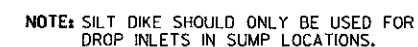
- POINT "1" MUST BE HIGHER THAN POINT "2" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
- STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE UNIT AS SHOWN ON THE DIAGRAM.



1. THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, AND MAINTAINING THE TRIANGULAR SILT DIKE. THE DIKES SHALL BE USED AS A CONTINUOUS LINE BARRIER AT THE TOE OF SLOPE OR ACROSS THE ROADWAY DITCH TO CONTAIN SEDIMENT AND MINIMIZE EROSION, OR AS DIRECTED BY THE ENGINEER. THESE DIKES SHALL BE INSTALLED AND LOCATED AS SOON AS CONSTRUCTION WILL ALLOW OR AS DIRECTED BY THE ENGINEER.
2. TRIANGULAR SILT DIKE SHALL BE TRIANGULAR SHAPED HAVING A HEIGHT OF AT LEAST 8" TO 10" IN THE CENTER WITH EQUAL SIDES AND A 16" TO 24" BASE. THE TRIANGULAR SHAPED INNER MATERIAL SHALL BE URETHANE FOAM. THE OUTER COVER SHALL BE A WOVEN GEOTEXTILE FABRIC PLACED AROUND THE INNER MATERIAL & ALLOWED TO EXTEND BEYOND BOTH SIDES OF THE TRIANGLE 24" TO 36". THIS FABRIC SHOULD BE WILDFIRE RESISTANT, ROT-PROOF AND RESISTANT TO HEAT AND ULTRAVIOLET RADIATION MEETING REQUIREMENTS FOR SEDIMENT CONTROL IN AASHTO M288. THE DIKES SHALL BE ATTACHED TO THE GROUND WITH WIRE STAPLES. THE STAPLES SHALL BE NO. 10 GAUGE WIRE AND BE AT LEAST 6" TO 8" LONG. STAPLES SHALL BE PLACED AS SHOWN ON THESE DETAILS.
- THE CONTRACTOR SHALL INSPECT ALL DIKES AFTER EACH RAINFALL EVENT OF AT LEAST 0.5" OR GREATER. ANY DEFICIENCIES OR DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR. ACCUMULATED SILT OR DEBRIS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. IF THE DIKES ARE DAMAGED OR INADVERTENTLY MOVED DURING THE SILT REMOVAL PROCESS, THE CONTRACTOR SHALL IMMEDIATELY REPLACE AFTER DAMAGE OCCURS.
3. ACCEPTED TRIANGULAR SILT DIKE, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR TRIANGULAR SILT DIKE. PRICE BID WILL INCLUDE THE COST OF FURNISHING THE DIKES, INSTALLING, MAINTAINING AND REMOVAL WHEN DIRECTED BY THE ENGINEER.

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			ARKANSAS STATE HIGHWAY COMMISSION
			TEMPORARY EROSION CONTROL DEVICES
7-26-12	REVISED GENERAL NOTE 2.		STANDARD DRAWING TEC-4
12-15-11	ISSUED		
DATE	REVISION	FILED	



NOTE: JOINT SPACING ON THE MAIN LANES SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO THESE JOINT LAYOUTS. THE MAIN LANE JOINT SPACING MAY BE REDUCED TO A 12' MINIMUM.

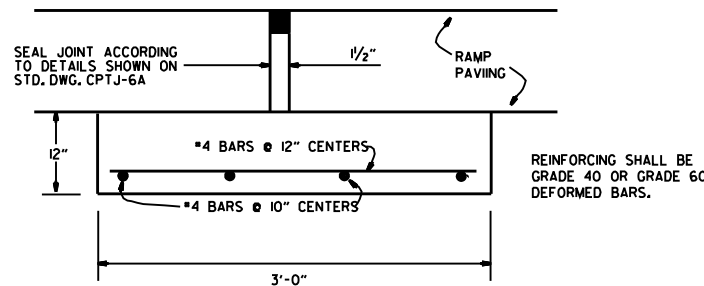


EXIT RAMP

DESIGN SPEED V	Y	NOSE OFFSET C	LENGTH NOSE TAPER Z	RETURN RADIUS R	ADDITIONAL SURFACING SQ. YDS.
40	300.0	8.0	98.0	580.0	602.43
50	320.0	10.0	120.0	725.0	687.29
60	340.0	12.0	168.0	182.0	790.55
70	360.0	14.0	210.0	582.0	902.27



DETAIL 'A'



DETAIL OF EXPANSION JOINT & JOINT SUPPORT

NOTE: THE EXPANSION JOINTS SHALL BE MEASURED AND PAID FOR AS P.C.C. PAVEMENT (RAMP THICKNESS), WHEN RAMP PAVING IS ASPHALT. EXPANSION JOINT IS NOT REQUIRED. THE JOINT SUPPORT MAY BE CONSTRUCTED WITH CLASS "A," "S," OR PAVING CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE CLASS OF CONCRETE USED, ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PRICE BID FOR THE ABOVE ITEMS.

8-22-02	DELETED NOTE	
11-16-01	CORRECTED SPELLING ON ENTRANCE RAMP NOTE	
5-13-99	ADDED, EDITED AND DELETED NOTES	
11-03-94	ADDED NOTE RE: REINF. BARS	
10-1-92	ADDED DETAIL A & OTHER MINOR CHANGES	10-1-92
1-25-90	REVISED EXPANSION JOINT	1-25-90
7-15-88	CONFORM D TO 1988 SPECIFICATIONS	65C-7-15-88
3-2-81	ISSUED	51-10-2-72
DATE	REVISION	DATE FILMD

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF STANDARD TURNOUT
FOR
ENTRANCE & EXIT RAMPS (NON-REINFORCED)

STANDARD DRAWING TR-1A