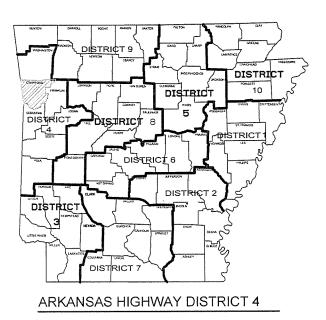
ARK. 040694 2 ALMA VIRTUAL WEIGH STATION INSTALLATION(S

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT **CONSTRUCTION PLANS**

ALMA VIRTUAL WEIGH STATION INSTALLATION(S)

CRAWFORD COUNTY ROUTE 64 SECTION 2

JOB NO. 040694



VICINITY MAP

PROJECT LOCATION



LENGTH COMPUTED ALONG CL EB HWY. 64 LANES

0.057 MILE 00.00 MILE

GROSS LENGTH PROJECT 298.50 L.F.
NET LENGTH OF BRIDGE 298.50 L.F.
NET LENGTH OF BRIDGE 0.00 L.F.

NET LENGTH OF BRIDGE 0.00 L.F. NET LENGTH OF PROJECT 298.50 L.F.



Pleidos





MID-POINT OF HWY. 64 VIRTUAL WEIGH IN MOTION PROJECT LAT. = N 35° 28' 41" LONG.= W 94° 14' 19"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD, DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.		040694	2	32
			<u></u>		INDE	X OF SHEETS		

ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 13439

INDEX OF SHEETS - ROADWAY

	INDEX UF SHEETS - RUADWAY		
SHEET NO.	SHEET TITLE	DRAWING N□.	DATE
1	TITLE SHEET		
2	INDEX OF SHEETS		
3	GOVERNING SPECÍFICATIONS AND GENERAL NOTES		
4	GENERAL NOTES - SITE AND UTILITIES		
5	TYPICAL SECTIONS OF IMPROVEMENT		
6	TEMPORARY EROSION CONTROL DETAILS		
7	MAINTENANCE OF TRAFFIC DETAILS		
8	DEMOLITION PLAN		
9	PERMANENT PAVEMENT MARKING DETAILS		
10-11	QUANTITIES		
12	SUMMARY OF QUANTITIES AND REVISIONS		
13	SURVEY CONTROL DETAILS		
14	SITE PLAN		
15	VWIM JOINT LAYOUT PLAN		
16	TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)	CPTJ-6A	05-25-06
17	GUARD RAIL DETAILS	GR-8	07-14-10
18	GUARD RAIL DETAILS	GR-9A	04-17-08
19	GUARD RAIL DETAILS	GRT-1	07-14-10
20	PAVEMENT MARKING DETAILS	PM-1	09-12-13
21	STANDARD HIGHWAY SIGNS AND SUPPORT ASSEMBLIES	SHS-1	09-12-13
22	U-CHANNEL POST ASSEMBLIES	2H2-5	02-27-14
23	MDUNTING DETAILS FOR DEMOUNTABLE LEGEND ON GUIDE SIGNS	SHS-6	09-12-13
24	DETAILS OF SPECIAL ITEMS	SI-1	09-12-13
25	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-1	09-2-15
26	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-2	09-2-15
27	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-3	09-2-15
28	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER	TC-4	02-27-14
29	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER	TC-5	10-15-09
30	TEMPORARY EROSION CONTROL DEVICES	TEC-1	12-15-11
31	TEMPORARY EROSION CONTROL DEVICES	TEC-3	11-3-94
32	TEMPORARY EROSION CONTROL DEVICES	TEC-4	07-26-12

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.	•	040694	3	32
			(2)	GOV. SP	ECIFICA	ATIONS & GENE	ERAL NO	OTES

GOVERNING SPECIFICATIONS

	S STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS;
NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
JNB 040694	BIDDING REQUIREMENTS AND CONDITIONS
JDB 040694	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JDB 040694	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB 040694	DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
JDB 040694	HIGH PERFORMANCE PAVEMENT MARKING
JDB 040694	MANDATORY ELECTRONIC CONTRACT
JDB 040694	REMOVAL AND RELOCATION OF SIGN
JDB 040694	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JDB 040694	VIRTUAL WEIGH STATION SYSTEM
JOB 040694	WARM MIX ASPHALT
100-3	CONTRACTOR'S LICENSE
108-1	LIQUIDATED DAMAGES
400-1	TACK COATS
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES

620-1

MULCH COVER

- 1. ALL REFERENCES TO ELEVATION DENOTE FINISHED GRADE UNLESS
 OTHERWISE NOTED. PROFILE ELEVATIONS OF ROADWAY ARE TO FINAL GRADE AT CENTERLINE.
- 2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH
- 3. 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
- 4. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD
- 5. TREES AND SHRUBBERY THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL NOT BE DISTURBED. CARE SHALL BE USED TO PROTECT ALL TREES AND SHRUBS, AREAS MORE THAN TEN FEET BEYOND THE DAYLIGHT LIMITS (TOP OR TOE OF SLOPES) ARE DESIGNATED AS PRESERVED VEGETATION.
- 6. CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE ARKANSAS HIGHWAY & TRANSPORTATION DEPARTMENT'S STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION, AND THE SPECIAL PROVISIONS.
- 7. 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, ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 8. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210-UNCLASSIFIED EXCAVATION.

GENERAL SITE NOTES:

- 1. CAUTION: UNDERGROUND UTILITIES LIE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION, AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL MARK THE VISIBLE UTILITIES & THE UTILITIES SHOWN ON THE PLANS IN THE FIELD. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKING UNTIL THEY ARE NO LONGER NECESSARY. USE EXTREME CAUTION WHEN EXCAVATING.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR THE APPROPRIATE BARRICADES AND SAFETY PRECAUTIONS IN ALL EXCAVATED AREAS. EXCAVATED AREAS SHALL BE ADEQUATELY FILLED OR COVERED BY THE CONTRACTOR BEFORE LEAVING THE JOB SITE EACH DAY.
- 3. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING STRUCTURES, PAVEMENTS, AND UTILITIES.
- 4. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
- 6. ALL WASTE MATERIALS GENERATED FROM CONSTRUCTION BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE WASTE MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
- 7. ALL REINFORCING STEEL SHALL BE GRADE A-60.

GENERAL UTILITY NOTES:

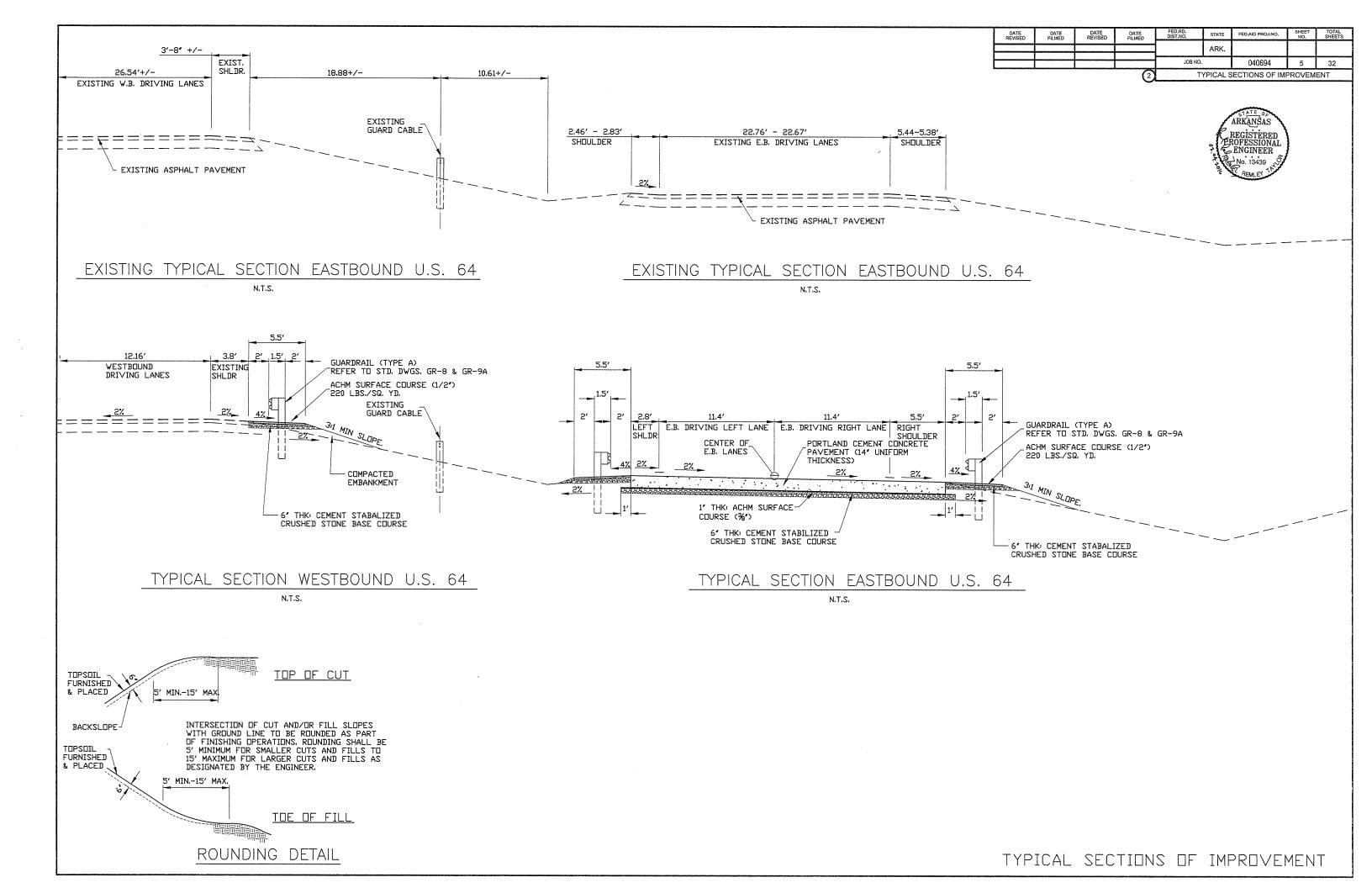
- 1. CAUTION: UNDERGROUND UTILITIES LIE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS; HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- 2. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION AND SIZE FOR ALL EXISTING STORM SEVER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- 4. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE, BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH PERFORMANCE CRITERIA FOR OSHA.
- 5. CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- 6. CONTRACTOR SHALL COORDINATE UTILITY INSTALLATIONS WITH LOCAL GOVERNING AUTHORITIES. PAYMENT OF FEES REGARDING THE INSTALLATION OF UTILITIES (I.E. TAPPING FEES, PERMIT FEES, ETC.) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL GRADING/DRAINAGE NOTES:

- 1. PAVEMENT MARKINGS SHALL COMPLY WITH THE STANDARDS SET FORTH IN THE LATEST EDITION OF THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' BY THE U. S. DEPARTMENT OF TRANSPORTATION AND THE AHTD STANDARD DRAWINGS & SPECIFICATIONS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY THE REQUIREMENTS OF THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 3. HYDROSEED, FERTILIZE AND MULCH AREAS DISTURBED BY CONSTRUCTION. COMPLY WITH THE STANDARDS SET FORTH IN THE AHTD STANDARD SPECIFICATIONS, 2014 EDITION.
- 4. CONTRACTOR SHALL EMPLOY A QUALIFIED MATERIALS TESTING LABORATORY, ACCEPTABLE TO THE ENGINEER, TO PROVIDE TESTING SERVICES DURING CONSTRUCTION. TEST RESULTS SHALL BE PROMPTLY SENT TO THE OWNER/ENGINEER.
- 5. CONTRACTOR SHALL MAINTAIN BENCHMARKS ON SITE UNTIL THE END OF CONSTRUCTION.
- 6. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 7. 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 INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING CONSTRUCTION OPERATIONS.
- 8. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENT REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 201-UNCLASSIFIED EXCAVATION.
- 9. THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALDNG 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 FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.		040694	4	32
			(2)		GENERA	L NOTES - SITE 8	& UTILITI	ES





STORM WATER POLLUTION PREVENTION NOTES:

- 1. THE TOTAL AREA OF THE SITE IS APPROXIMATELY 2.0 ACRES, THE AREA DISTURBED BY IMPROVEMENTS IS APPROXIMATELY 0.50 ACRES, <u>CLEARING AND GRUBBING WILL BE 0.21 ACRES</u> FOR THE TOTAL PROJECT,
- 2. GRADING SHALL BE PERFORMED IN ONE CONTINUOUS OPERATION OF HWY. 64.
- 3. WHERE CUT AND FILL ACTIVITY IS GREATER THAN 6' VERTICAL HEIGHT. SLOPES ARE AS SHOWN ON THE PLANS,
- 4. EROSION AND SEDIMENT CONTROL MEASURES SHALL-BE INSTALLED BY THE CONTRACTOR UPON DISTURBANCE OF THE LAND, THESE MEASURES WILL SATISFY THE REQUIREMENTS OF THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY AND SHALL INCLUDE AS A MINIMUM:
- A. ON DISTURBED SLOPES LEFT OPEN & UNMAINTAINED FOR A PERIOD OF MORE THAN TWO (2) WEEKS, MULCH COVER WITH HAY (TACKED, ANCHORED, OR TIED) AT THE RATE OF 1.5 TONS PER ACRE
- B. PROTECT TOES OF SLOPE WITH SILT FENCE WHERE INDICATED. SILT FENCE SHALL BE A MINIMUM OF 24' HIGH AND CONSTRUCTED OF FILTER FABRIC SUPPORTED BY POSTS AT NOT MORE THAN 4'-0' ON CENTER. INTEGRAL REINFURCED FILTER FABRIC OR EXTERNAL WIRE FENCING REINFURCEMENT SHALL BE PROVIDED. TRENCH ALONG BOTTOM OF EDGE OF SILT FENCE AND BURY A MINIMUM OF 4' OF FILTER FABRIC.
- C. SAND BAG DITCH CHECKS WILL BE USED IF AND WHERE DIRECTED BY THE ENGINEER AROUND SWALES AND IN DITCHES.
- D. IN THE OCCASION THAT WIND EROSION BECOMES EVIDENT, THE CONTRACTOR SHALL SPRINKLE THE CONSTRUCTION SITE WITH WATER TO CONTROL DUST.
- E. CONTRACTOR SHALL KEEP VEHICLE TRACKING OF SEDIMENT TO A MINIMUM AND SHALL CLEAN HAUL ROUTES IF TRACKING BECOMES EXCESSIVE AS DETERMINED BY THE LOCAL GOVERNMENT OR AHTD ENGINEER.
- 5. PERMANENT VEGETATION COVER TO BE INSTALLED BY THE CONTRACTOR, COVER WILL BE;
- A. ON ALL DISTURBED AREAS NOT TO BE PAVED, USE APPROPRIATE COVER.
- B. TEMPORARY EROSION CONTROL MEASURES FOR SEDIMENTATION AND EROSION CONTROL WILL BE MAINTAINED UNTIL PERMANENT COVER IS ESTABLISHED.
- 6. CONTRACTOR SHALL OBTAIN ALL GRADING PERMITS FROM THE APPROPRIATE AUTHORITIES HAVING JURISDICTION.

TEMPORARY EROSION CONTROL ITEMS:

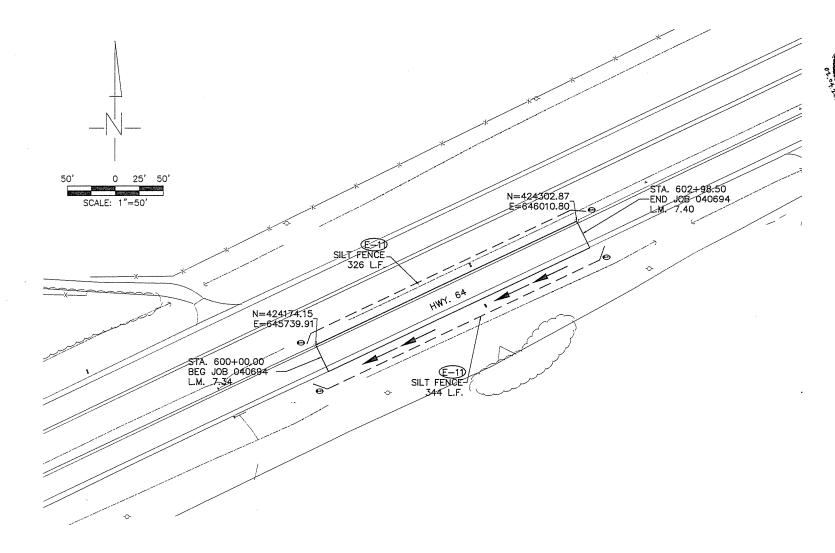
SILT FENCE = 670 L.F.
*SAND BAG DITCH CHECKS = 66 BAGS
*QUANTITIES ESTIMATED. PLACEMENT TO BE IF
AND WHERE DIRECTED BY THE ENGINEER.

NOTE: ADDITIONAL EROSION CONTROL ITEMS ARE SHOWN ON PLAN SHEET 11.

· · · · · · · · · · · · · · · · · · ·	REVISIONS	
DATE	REVISION	SHEET NUMBER

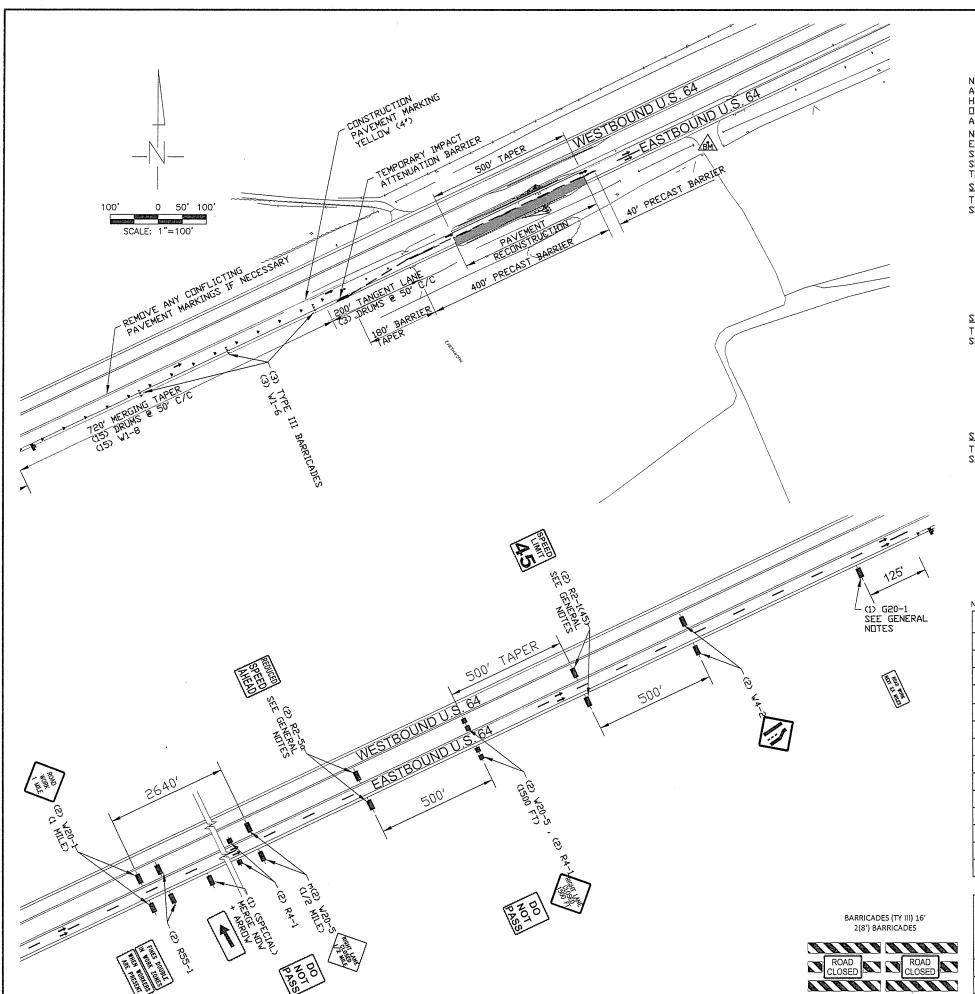
	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
l						ARK.			
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•				0	TEM	PORARY	EROSION CONT	ROL DE	TAILS

ENGINEER



FLOW ARROWS LIMITS OF CONSTRUCTION * E-5 SAND BAG DITCH CHECKS E-11 SILT FENCE

TEMPORARY EROSION CONTROL DETAILS



DATE REVISED DATE FILMED DATE REVISED DATE FILMED DATE FED.AD, STATE FED.AID PROJ.NO. SHEET TOTAL SHEETS

ARK.

JOB NO. 040694 7 32

NOTE: TEMPORARY MAINTENANCE OF TRAFFIC DETAILS SHOWN BELOW DEPICT THE TYPICAL APPLICATION FOR CONSTRUCTION OPERATIONS ON A 4-LANE DIVIDED HIGHWAY WHERE HALF OF THE ROADWAY IS CLOSED IN ACCORDANCE WITH STANDARD DRAWING TC-3 FOR ONE OF THE EASTBOUND LANE CLOSURES, THESE SAME MAINTENANCE OF TRAFFIC DETAILS APPLY TO THE WESTBOUND LANE CLOSURE AND BOTH OF THE EASTBOUND LANE CLOSURES.

NOTE: IF REQUESTED BY THE CONTRACTOR AND WITH WRITTEN APPROVAL FROM THE ENGINEER, A SINGLE LANE CLOSURE WILL BE PERMITTED IN EACH SET OF LANES. IF SIMULTANEOUS CLOSURES ARE APPROVED, ALL ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED, MAINTAINED, AND REMOVED BY THE CONTRACTOR AT NO COST TO THE DEPARTMENT.

WHERE TC-3 FOR FIC DETAILS C CLOSURES. A THE JES. IF DEVICES COST TO WHERE ARKANSAS REGISTERED PROFESSIONAL REGISTERED REGISTERED

MAINT. OF TRAFFIC DETAILS

STAGE 1

TWO (2) LANES OF WESTBOUND TRAFFIC WILL BE NARROWED TO ONE (1) LANE AND SHIFTED ONTO THE WESTBOUND OUTSIDE LANE.

- 1. INSTALL MAINTENANCE OF TRAFFIC ITEMS SHOWN ON PLANS BELOW FOR CLOSURE OF WESTBOUND INSIDE LANE AND SHIFT WESTBOUND TRAFFIC ONTO OUTSIDE WESTBOUND
- 2. NOTCH AND WIDEN WESTBOUND SHOULDER FOR GUARDRAIL.
- 3. INSTALL GUARDRAIL.
- 4. INSTALL EDGE LINE PAVEMENT MARKING ALONG WIDENED INSIDE WESTBOUND SHOULDER.
- 5. OPEN BOTH WESTBOUND LANES TO NORMAL TRAFFIC.

STAGE 2

TWO (2) LANES OF EASTBOUND TRAFFIC WILL BE NARROWED TO ONE (1) LANE AND SHIFTED ONTO THE EASTBOUND INSIDE LANE.

- 1. RELOCATE MAINTENANCE OF TRAFFIC ITEMS SHOWN ON PLANS BELOW FOR CLOSURE OF EASTBOUND OUTSIDE LANE AND SHIFT EASTBOUND TRAFFIC ONTO EASTBOUND INSIDE LANE.
- 2. INSTALL WEIGH IN MOTION ITEMS IN OUTSIDE LANE OF EB U.S. 64.
- 3. CONSTRUCT CONCRETE PAVEMENT AND ACHM SHOULDER WIDENING ON EASTBOUND OUTSIDE LANE.
- 4. INSTALL GUARDRAIL.

STAGE 3

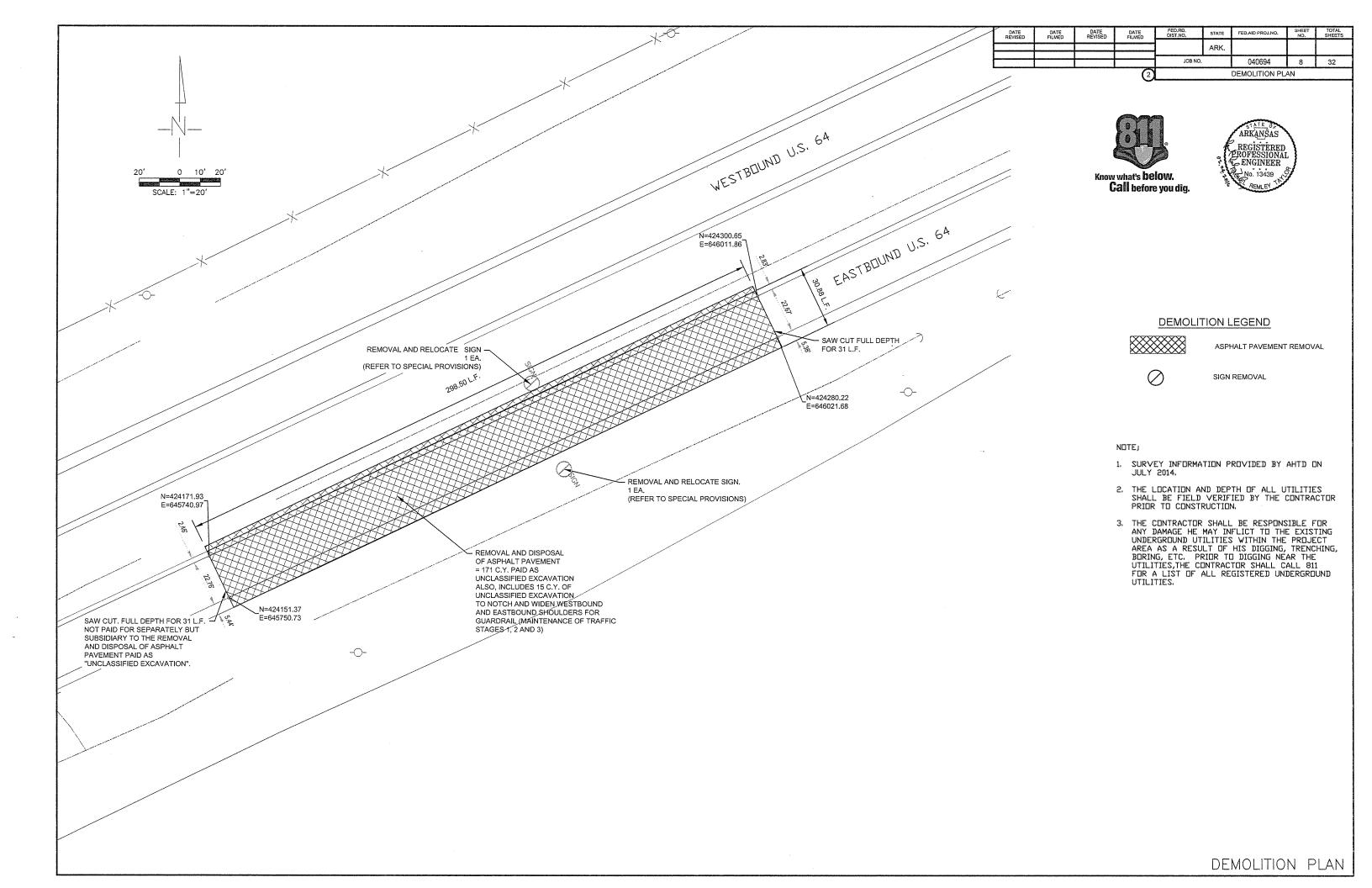
TWO (2) LANES OF EASTBOUND TRAFFIC WILL BE NARROWED TO ONE (1) LANE AND SHIFTED ONTO THE EASTBOUND OUTSIDE LANE.

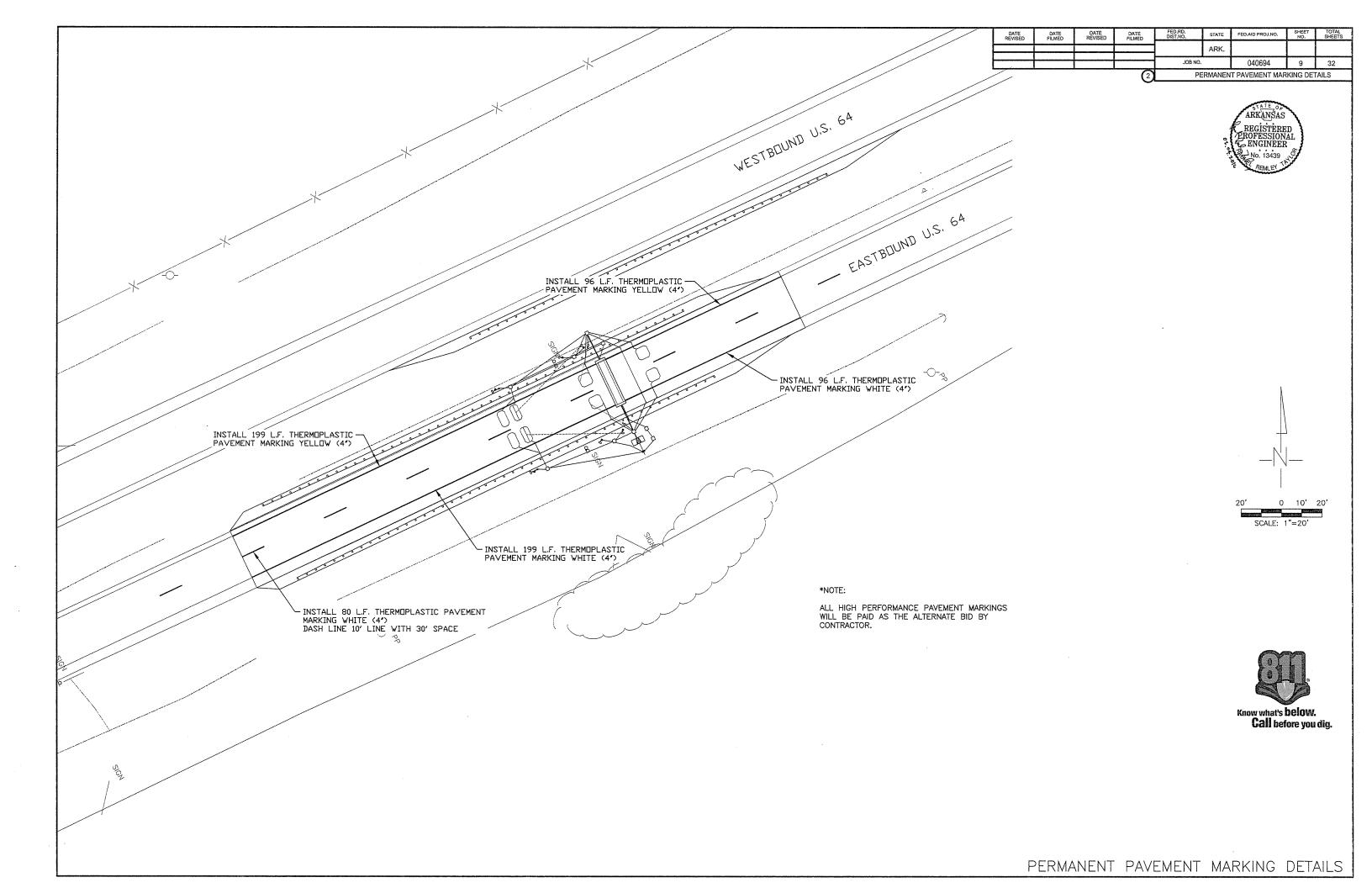
- 1. RELOCATE MAINTENANCE OF TRAFFIC ITEMS SHOWN ON PLANS BELOW FOR CLOSURE OF EASTBOUND INSIDE LANE AND SHIFT EASTBOUND TRAFFIC ONTO EASTBOUND OUTSIDE LANE.
- 2. COMPLETE INSTALLATION OF WEIGH IN MOTION ITEMS ON INSIDE LANE OF EB U.S. 64.
- 3. CONSTRUCT CONCRETE PAVEMENT AND ACHM SHOULDER WIDENING ON EASTBOUND INSIDE LANE.
- 4. INSTALL GUARDRAIL.
- 5. CONDUCT SHORT-TERM LANE CLOSURES TO INSTALL PERMANENT PAVEMENT MARKINGS ON EASTBOUND LANES.
- 6. REMOVE MAINTENANCE OF TRAFFIC ITEMS AND OPEN BOTH EASTBOUND LANES TO TRAFFIC.

NOTE: FOR INSIDE LANE CLOSURE REVERSE LAYOUT.

	SIGNS							
NAME	SIZE	NUMBER	SQ. FT.					
G20-1	60"X24"	1	10					
W4-2	48"X48"	2	32					
R2-1 (45)	48"X60"	2	40					
W20-5	48"X48"	4	64					
R2-5a	48"X60"	2	40					
R4-1	48"X60"	4	80					
R55-1	36"X60"	2	30					
W20-1	48"X48"	2	32					
W1-8	36"X48"	15	180					
W1-6	48"X24"	3	24					
S. MERGE NOW	60"X30"	1	13					
TOTAL		38	545					

TRAFFIC DRUMS	BARRICADES	CONSTR. PAVEMENT MARKINGS	REMOVAL OF CONSTR. PVMT MARKINGS	FURN. & INSTALL PRECAST BARRIERS	RELOCATE PRECAST BARRIERS	TEMP, IMPACT ATTENUATION BARRIER	TEMP. IMPACT ATTENUATION BARRIER (REPAIR)
EACH			LIN. FT.			EA	СН
18	48	920	920	620	620	1	1





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ARKANSAS

TRAFFIC ITEMS		
ITEM DESCRIPTION	QUANTITY	UNITS
BARRICADES	48	L.F.
SIGNS	545	SQ. FT.
TRAFFIC DRUMS	18	EACH
FURNISHING AND INSTALLING PRECAST CUNCRETE BARRIERS	620	L.F.
RELOCATING PRECAST CONCRETE BARRIER	620	L.F.
CONSTRUCTION PAVEMENT MARKINGS	920	L.F.
REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS	920	L.F.
TEMPORARY IMPACT ATTENUATION BARRIER	1	EACH
TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)	1	EACH

GUARDRAIL		
ITEM DESCRIPTION	QUANTITY	UNITS
TERMINAL ANCHOR POSTS (TYPE 1)	3	EA
GUARDRAIL TERMINAL (TYPE 2)	3	EA
GUARDRAIL (TYPE A)	655	L.F.

LUMP SUM ITEMS		
ITEM DESCRIPTION	QUANTITY	UNITS
VIRTUAL WEIGH IN MOTION SYSTEM	1.00	L.S.

	CLEARING	&	GRUBB	ING	
	LOCATION			CLEARING	GRUBBING
ENTIRE PROJECT				ACRE	ACRE
				0.21	0,21
TOTALS				0.21	0.21

		PERMAI	NENT PAVEMENT MARKINGS			
STATION	STATION	STATION OFFSET	DESCRIPTION	HIGH PERFORMANCE PAVEMENT MARKING		
				4" WHITE	4" YELLOW	
				LIN. FT.	LIN. FT.	
600+00.00	603+20.00	O'RT	EB US 64 VWIM - CENTER LANE 10/30 SKIP	80		
600+12.50	603+07.50	12' RT	EB US 64 VWIM	295		
600+12,50	603+07.50	12' LT	EB US 64 VWIM		295	
					APART 100 A 200 A 20	
		TO	TALS	375	295	

REMOVAL & DISPOSAL ITEMS	•	
ITEM DESCRIPTION	QUANTITY	UNITS
REMOVAL AND RELOCATION OF SIGN	2	EACH

NOTE

REFER TO PLAN SHEET 8 FOR REMOVAL & DISPOSAL ITEMS.

	EA	RTHWORK		
LOCATION	UNCLASS EXCAVATION	COMPACTED EMBANKMENT	** TOPSOIL FURNISHED & PLACED	*SOIL STABILIZATION
	CU. YDS.	CU. YDS.	CU. YDS.	TONS
ENTIRE PROJECT			240	60
REMOVAL AND DISPOSAL OF				
ASPHALT	171	24		
NOTCH AND WIDEN SHOULDER FOR GUARDRAIL	15			
ENTIRE PROJECT UNDERCUT				
TOTALS	186	24	240	60

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE, EXCEPT UNDERCUT AREAS, ARE TO BE PAID AS PLAN QUANTITY.

* UNDERCUT QUANTITIES ARE ESTIMATED AND ARE USED IF AND WHERE DIRECTED BY THE ENGINEER. PAID AS UNCLASSIFIED EXCAVATION.

- ** QUANTITY ESTIMATED (QUANTITY BASED ON 6" DEPTH). REFER TO PLAN SHEET 5.

MAX. NUMBER OF GYRATIONS: 115 FOR PG. 64-22 MAX. NUMBER OF GYRATIONS: 205 FOR PG. 76-22

							BASE AN	ND SURF	ACING										
OT 1 TTM1	CEMENT STABILIZED CRUS LENGTH COURSE (6' COMP')			EPTH) CONCRETE PAVEMENT				/8 *)	ACHM SURFACE COURSE (1/2') (PG 76-22)			/2">	TACK COAT						
NOITATS	STATION	DESCRIPTION		AVG VID	PROCESSING	CEMENT	AGGREGATE	(14" U.T.) NOR		NORMAL		NORMAL			0.10 GAL P	ER SQ. YD.			
								JAVG. WID.	SQ, YD,	AVG. WID.	SQ. YD.	POUND/	TON	AVG. WID.	SQ, YD,	POUND/	TON	SQ. YD.	GALLON
			FEET	FEET	SQ. YD.	TON	TON	FEET	30. 1D.	FEET	Gui i Di	SQ. YD.	IGN	FEET	301 111	SQ. YD.	1011	Ju. 15.	GALLOIY
600+00.00	602+98,50	EB US 64 VWIM	298,50	45.60	1513.00	31.77	497.78	31.10	1032.00	33.10	1098.00	110	60.00	11.00	421.00	550	46.31	1532.00	153.20
601+00,00	603+78.00	WB US 64 VVIM	278.00	6.25	176.00	3.70	57,90							5,50	167.00	220	18.37	152.00	15.20
		TOTALS			1689.00	35.47	555.68		1032.00		1098.00		60.00		588.00		64.68	1684.00	168.40

		TEMPORARY EROSION CONTROL								
STATION STATION		LOCATION	SEEDING	LIME	MULCH COVER	WATER	SOLID SODDING	SAND BAG DITCH CHECKS	SILT FENCE	SEDIMENT REMOVAL &
SINTIDIA	SIRITER	LUCATION	ACRE	TON	ACRE	M. GAL.	SQ.YD	(E-5)	(E-11)	DISPOSAL
								BAG	LIN. FT.	CU. YD.
ENTIRE PROJECT		EB AND WB WEIGH STATION/HWY. 64	0,21	0,42	0.21	21.4	1,016.40		326	
*ENTIRE PR	ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER			0.58	0.29	29.6	1,403.60	66	344	55
		TOTALS	0.50	1.00	0.50	51.0	2,420.00	66	670	55

BASIS OF ESTIMATE: LIME WATER WATER WATER

2 TUNS/ACRE OF SEEDING 102.0 M.G./ACRE OF SEEDING 20.4 M.G./ACRE OF TEMPORARY SEEDING 12.6 GAL./SQ. YD. OF SOLID SODDING 22 BAGS/LOCATION

*SAND BAG DITCH CHECKS

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. SEE SECTION 110 OF THE STANDARD SPECIFICATIONS.

THE QUANTITIES AND LOCATIONS OF THE EROSION CONTROL DEVICES SHOWN ABOVE AND ON THE PLANS ARE ESTIMATED AND MAY BE ALTERED IF AND WHERE DIRECTED BY THE ENGINEER TO MAXIMIZE THEIR EFFECTIVENESS. THE DEVICES ARE TO BE INSTALLED IN AN AREA ONLY WHEN THE SOIL DISTURBING ACTIVITY IN THAT AREA BEGINS, SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.

	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
						ARK.			
ı					JOB	NO.	040694	11	32
•				(2)			QUANTITIES		



	SUMMARY OF QUANTITIES		
ITEM NO.	ІТЕМ	QUANTITY	UNITS
201	CLEARING	0.21	ACRE
201	GRUBBING	0.21	ACRE
	REMOVAL AND RELOCATION OF SIGN	2	EACH
210	SOIL STABILIZATION	60	TON
210	UNCLASSIFIED EXCAVATION	186	CU. YD
210	COMPACTED EMBANKMENT	24	CU. YE
308 308	AGGREGATE IN CEMENT STABILIZED CRUSHED STONE BASE COURSE CEMENT IN CEMENT STABILIZED CRUSHED STONE BASE COURSE	556	TON
308		35	TON
	PROCESSING CEMENT STABILIZED CRUSHED STONE BASE COURSE	1689	SQ. YD
	TACK COAT	168	GAL.
	MINERAL AGGREGATE IN ACHM SURFACE COURSE (3/8")	57	TON
	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (3/8")	3	TON
	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	62	TON
	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	3	TON
501	PORTLAND CEMENT CONCRETE PAVEMENT (14" UNIFORM THICKNESS)	1032	SQ. YD
601	MOBILIZATION	1.00	L.S.
	FURNISHING FIELD OFFICE	1 1	EACH
603	MAINTENANCE OF TRAFFIC	1.00	L.S.
	BARRICADES	48	L.F.
SS & 604		545	SQ. FT
	TRAFFIC DRUMS	18	EACH
604	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER	620	L.F.
604	RELOCATING PRECAST CONCRETE BARRIER	620	L.F.
604	CONSTRUCTION PAVEMENT MARKINGS	920	L.F.
604	REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS	920	L.F.
617	GUARDRAIL (TYPE A)	655	L.F.
617	TERMINAL ANCHOR POSTS (TYPE 1)	3	EACH
617	GUARDRAIL TERMINAL (TYPE 2)	3	EACH
620	LIME .	1	TON
620	SEEDING	0.50	ACRE
	MULCH COVER	0.50	ACRE
620	WATER	51.0	M. GAL
621	SAND BAG DITCH CHECKS	66	BAGS
621	SEDIMENT REMOVAL AND DISPOSAL	55	CU. YD
621	SILT FENCE	670	L.F.
624	SOLID SODDING	2,420	SQ. YD
628	TOPSOIL FURNISHED AND PLACED	240	CU. YE
635	ROADWAY CONSTRUCTION CONTROL	1.00	L.S.
	INVERTED PROFILE THERMOPLASTIC PAVEMENT MARKING WHITE (4") (ALT. NO. 1)	375	L.F.
SP	HIGH PERFORMANCE MARKING TAPE WHITE (4") (ALT. NO. 2)	375	L.F.
	INVERTED PROFILE THERMOPLASTIC PAVEMENT MARKING YELLOW (4") (ALT. NO. 1)	295	L.F.
SP	HIGH PERFORMANCE MARKING TAPE YELLOW (4") (ALT. NO. 2)	295	L.F.
731	TEMPORARY IMPACT ATTENUATION BARRIER	1	EACH
731	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)	1 1	EACH
SP	VIRTUAL WEIGH IN MOTION SYSTEM	1.00	L.S.

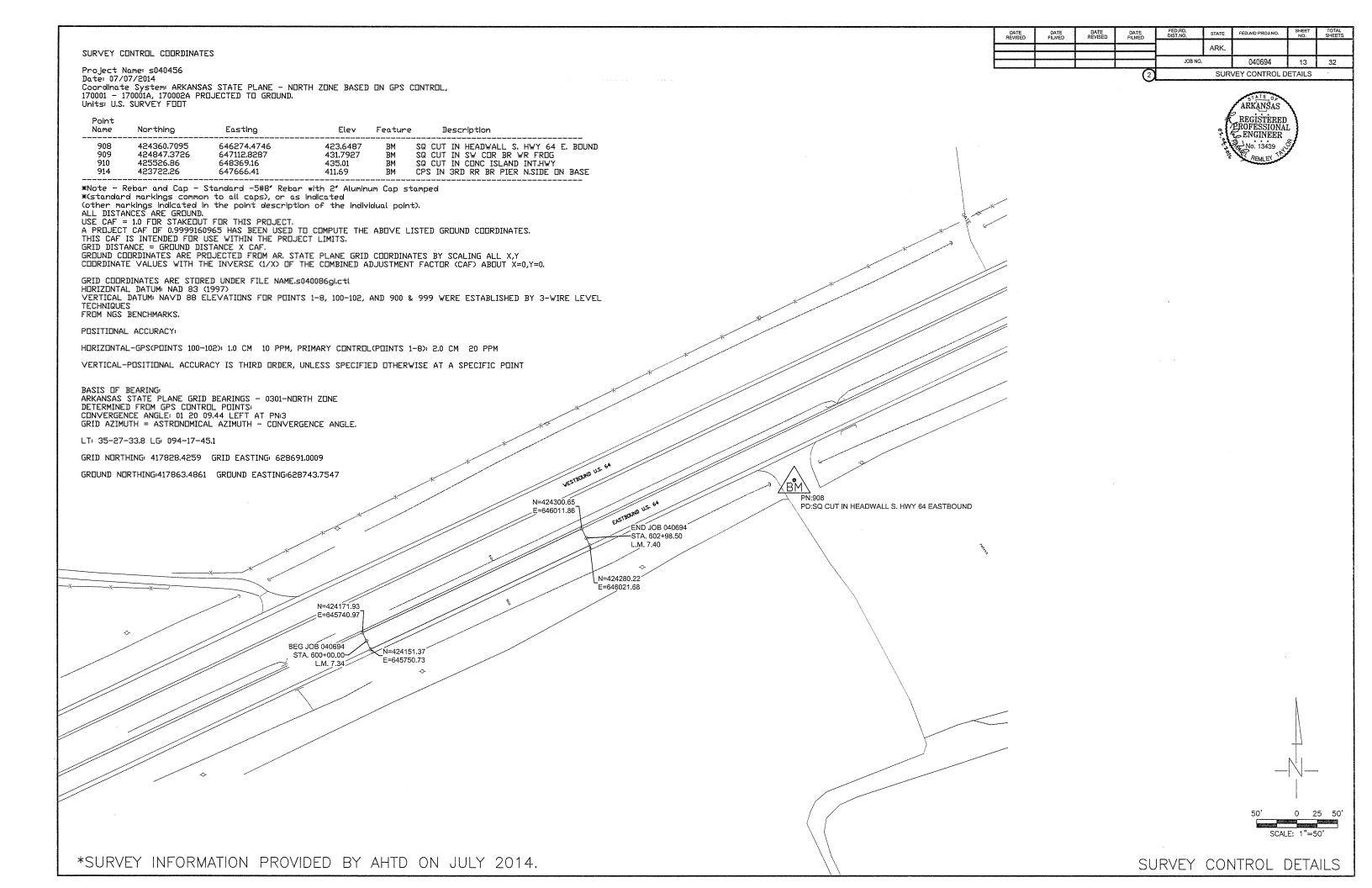
*DENOTES ALTERNATE BID ITEMS.

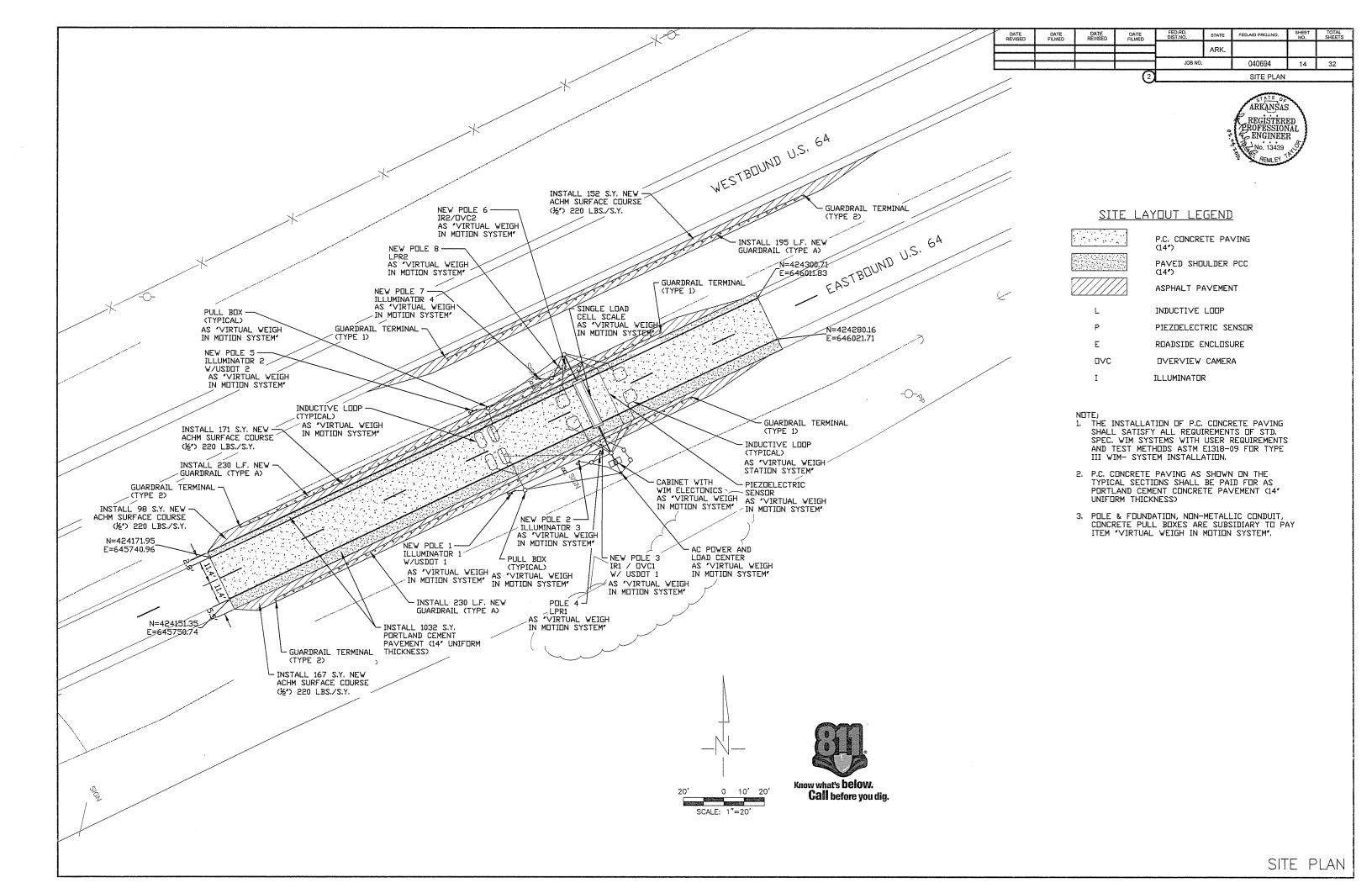
	REVISIONS	
DATE	REVISION	SHEET NUMBER

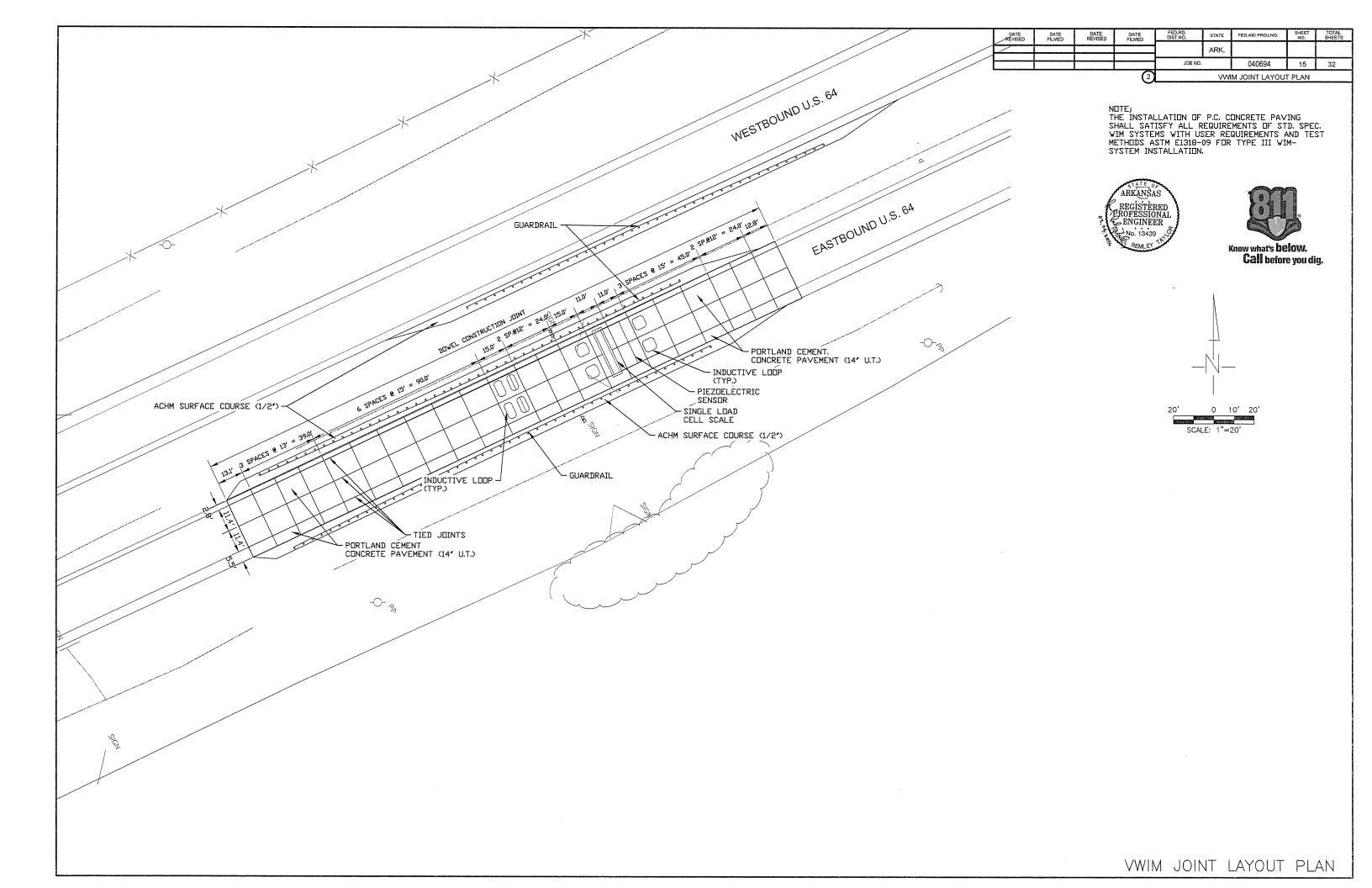
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD, DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.		040694	12	32
			(2)	SUMMARY OF QUANTITIES & REVISIONS				



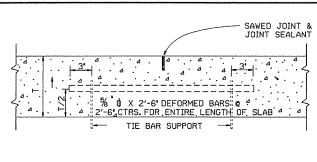
SUMMARY OF QUANTITIES & REVISIONS





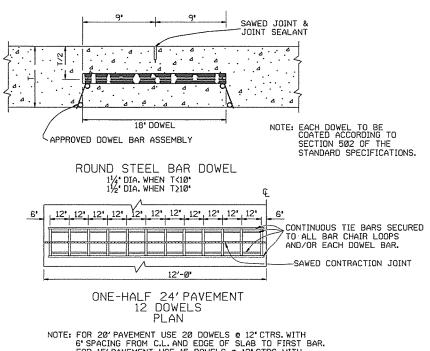






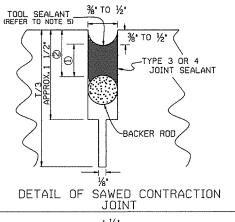
LONGITUDINAL JOINT

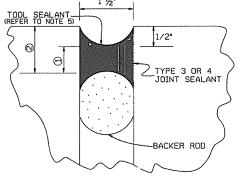
NOTE: THE TIE BAR SUPPORT SHOWN ABOVE MAY BE ELIMINATED IF OTHER APPROVED METHODS FOR PLACING AND SUPPORTING THE TIE BARS ARE PROVIDED. TIE BARS SHALL BE 15° FROM TRANSVERSE JOINTS.



NOTE: FOR 20' PAVEMENT USE 20 DOWELS @ 12' CTRS. WITH 6' SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR 15' PAVEMENT USE 15 DOWELS @ 12' CTRS. WITH 6' SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR 26' PAVEMENT USE 26 DOWELS @ 12' CTRS. WITH 6' SPACING FROM C.L. AND EDGE OF SLAB TO FIRST BAR. FOR PAVEMENT WIDTHS OTHER THAN THOSE SHOWN ABOVE, USE DOWELS AT 12' CTRS. WITH 6' MAX. SPACING FROM C.L. TO FIRST BAR. DISTANCE FROM EDGE OF SLAB TO FIRST BAR SHALL BE ADJUSTED TO MAINTAIN 12'

CONTRACTION JOINT DETAILS





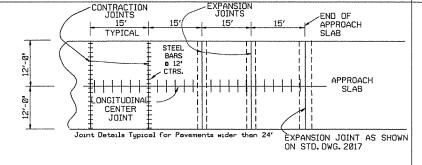
DETAIL OF EXPANSION JOINT



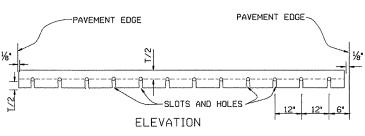
	JOINT WIDTH	SEALANT THICKNESS ①	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH ②						
	INCHES									
	1/4	1/4	3/4	1/2						
	- 3%	1/4	1/2	1/2						
	1/2	1/4	5/4	1/2						
	5%	5Ke	3/4	%₅						
1	3/4	¾	%	%						
	1 1/2	3/4	2	1 1/4						

JOINT CONFIGURATION FOR TYPE 5 JOINT SEALANT

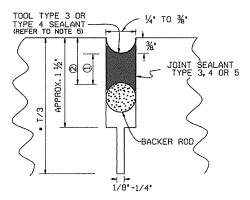
		SEALANT THICKNESS ①	BACKER ROD DIAMETER	BACKER ROD PLACEMENT DEPTH ②
- 3		INC	HES	,
	1/4	1/2	− %	3/4
	3%	3/4	1/2	1



PLAN SHOWING EXPANSION JOINTS AT BRIDGE APPROACH SLABS



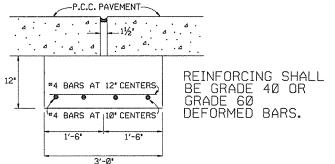
NOTE: ALL DOWEL BARS SHALL CONFORM TO THE DETAILS FOR CONTRACTION JOINTS.



*NOTE: T/3 SAW CUT NOT REQUIRED FOR LONGITUDINAL CONSTRUCTION JOINT.

DETAIL OF SAWED LONGITUDINAL JOINT

AND L	ONGITUDINAL CONSTRUCTION	N JOINT	
5-25-Ø6	ADDED GENERAL NOTE 7		,
10-9-03	REMOVED TIE BAR COATING & REVISED GENERAL NOTES		
11-16-01	ADDED TOOL SEALANT AND NOTE 5; REVISED NOTE 3		
4-26-96	REVISED CONTRACTION JOINT NOTE		1
11- 3-94	ADDED NOTE RE: REINF. BARS		
4- 1-93	REVISED DOWEL BARS & GEN. NOTES	4- 1-93	
10- 1-92	REVISED DOWEL SPACING	10- 1-92	L
8- 15-91	ADDED SPAC FOR CONTR JTS & DEL KEYWAY		
05-24-90	REVISED TIE BAR, DOWEL & JOINT SIZE		L
01-25-90	ADDED EXPANSION JOINT	Ø1-25-9Ø	
11-30-89	CHANGED T/4+1 TO T/3+1	11-30-89	
Ø3-23-89	ALTERED SAWED JOINT & ADDED NOTE	512-03-23-89	L
07-15-88	REVISED AND REDRAWN	632-07-15-88	
DATE	REVISION	DATE FILMED	



DETAIL OF JOINT SUPPORT FOR EXPANSION JOINTS GENERAL NOTES . 'T' DENOTES THICKNESS OF SLAB.

2. DOWEL BARS SHALL BE PLACED IN ACCORDANCE WITH THE DIMENSIONS SHOWN, A TOLERANCE OF PLUS OR MINUS ONE INCH WILL BE ALLOWED FOR THE VERTICAL AND LATERAL PLACEMENT AND A TOLERANCE OF PLUS OR MINUS 1/4 WILL BE ALLOWED FOR THE TILT AND SKEW.
DOWEL BARS SHALL BE FIELD COATED FOR A MINIMUM DISTANCE OF
2' GREATER THAN HALF THE LENGTH OF THE BAR WITH AN APPROVED 2° GREATER THAIN HALF THE LENGTH OF THE BAR WITH AN APPROVED.

3. THE EXPANSION JOINT SUPPORT MAY BE CONSTRUCTED WITH CLASS 'A', 'S' OR PAYING CONCRETE. PAYMENT FOR THE JOINT SUPPORT SHALL BE FOR THE CONTRACT UNIT PRICE BID FOR THE CLASS OF CONCRETE SPECIFIED IN THE PLANS. PAYMENT FOR ALL OTHER WORK AND MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE JOINT SUPPORT SHALL BE INCLUDED IN THE PRICE BID FOR THE ABOVE ITEMS.

4. CONTRACTION JOINTS SHALL BE CONSTRUCTED ON 15' CENTERS.

5. TOOLING NOT REQUIRED FOR SELF-LEVELING SILICONE.

S. IOULING NOT REGULATED FOR SELF-LEVELING SILLUNES.

6. UNLESS OTHERWISE SPECIFIED IN THE PLANS, CONCRETE SHOULDERS

SHALL BE CONSTRUCTED ACCORDING TO THE DETAILS SHOWN HEREON.

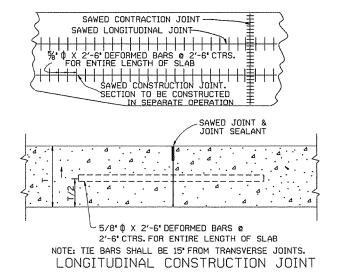
CONTRACTION JOINTS SHALL MATCH CONTRACTION JOINTS IN THE LANES.

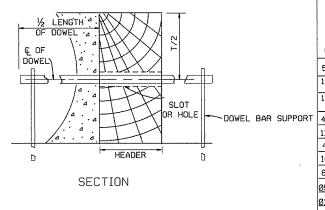
7. TIE WIRES IN DOWEL BAR ASSEMBLIES SHALL NOT BE CUT PRIOR TO PLACEMENT OF PAVING CONCRETE.

ARKANSAS STATE HIGHWAY COMMISSION

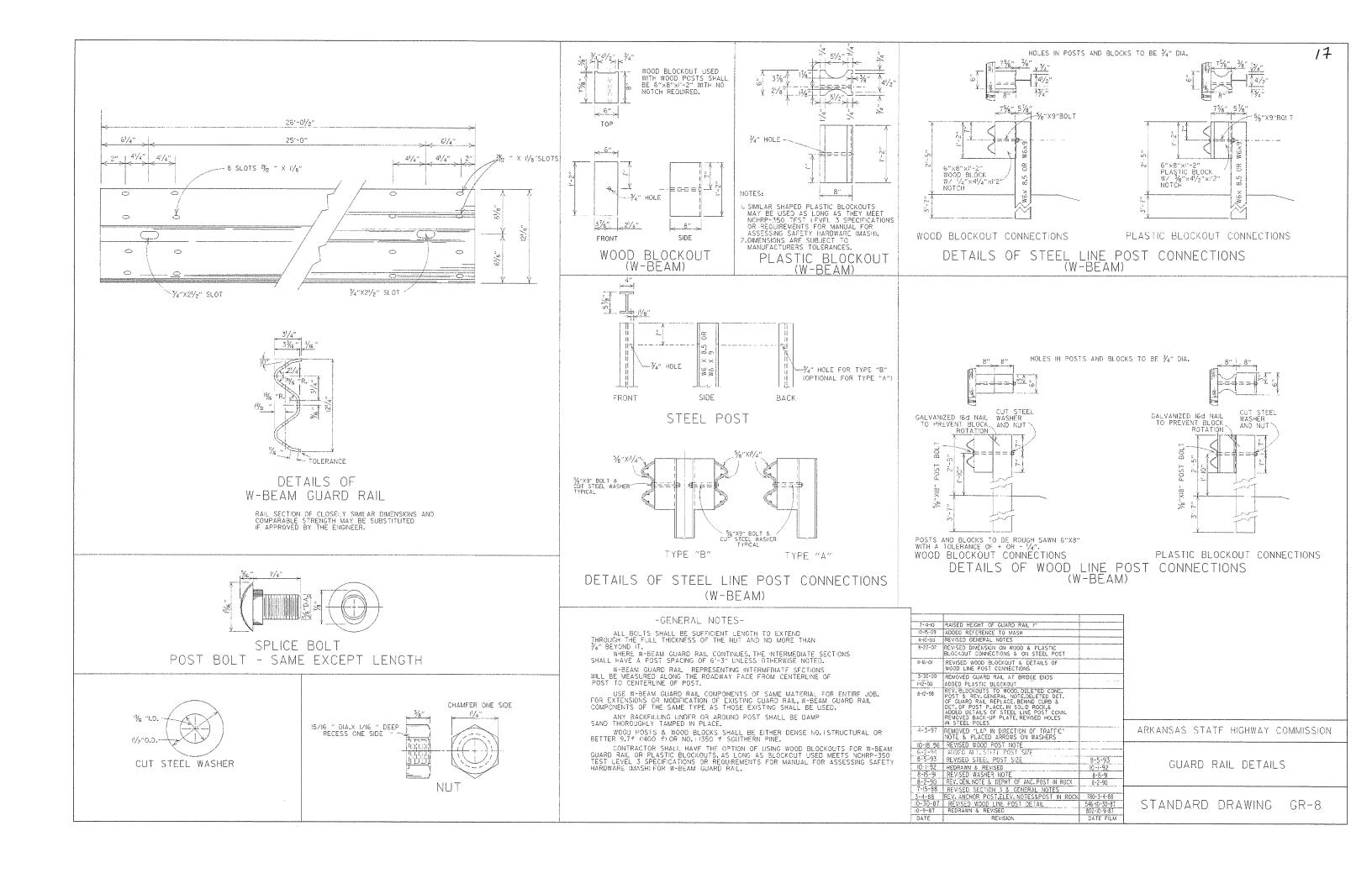
TRANSVERSE & LONGITUDINAL JOINTS FOR CONCRETE PAVEMENT (NON-REINFORCED)

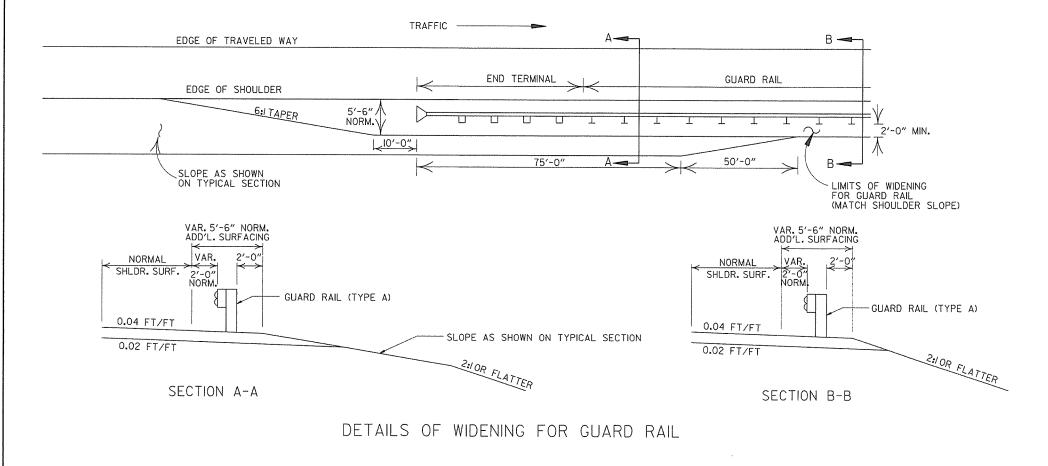
STANDARD DRAWING CPTJ - 6A



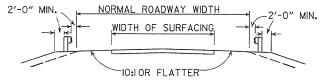


TRANSVERSE CONSTRUCTION JOINT

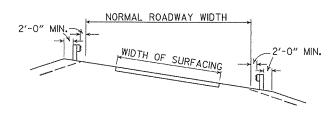




NOTE: NORMAL SECTION TO BE WIDENED APPROX, 5'-6" EACH SIDE TO SUPPORT GUARD RAIL.

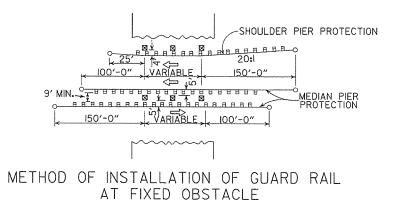


SECTION ON TANGENT

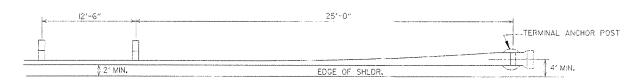


SECTION ON CURVE

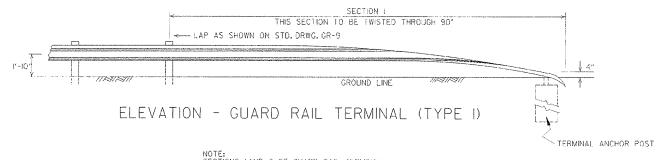
DETAILS SHOWING POSITION OF GUARD RAIL ON HIGHWAY

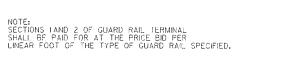


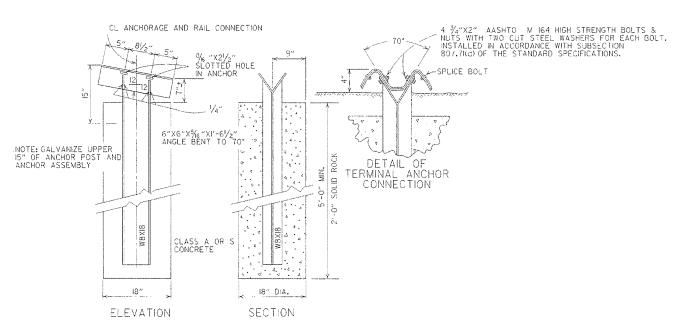
			ARKANSAS STATE HIGHWAY COMMISSION
			GUARD RAIL DETAILS
II-I0-05			STANDARD DRAWING GR-9A
DATE	REVISION	DATE ERM	



PLAN - GUARD RAIL TERMINAL (TYPE I)

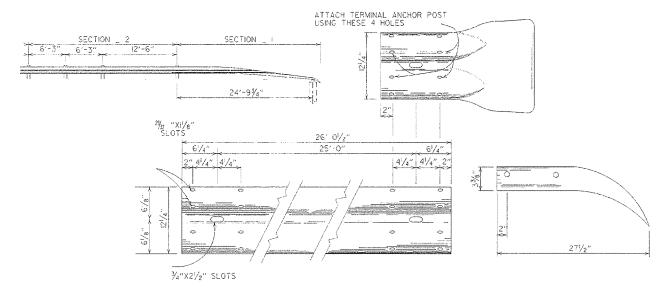






NOTE: RAIL MEMBERS MAY BE BOLTED TO ANGLE AT TERMINAL ANCHOR AND THE TWO ASSEMBLIES POSITIONED TO PROPER ALIGNMENT PRIOR TO PLACING CONCRETE AROUND 8 WF 17 POST IF CONTRACTOR SO DESIRES.

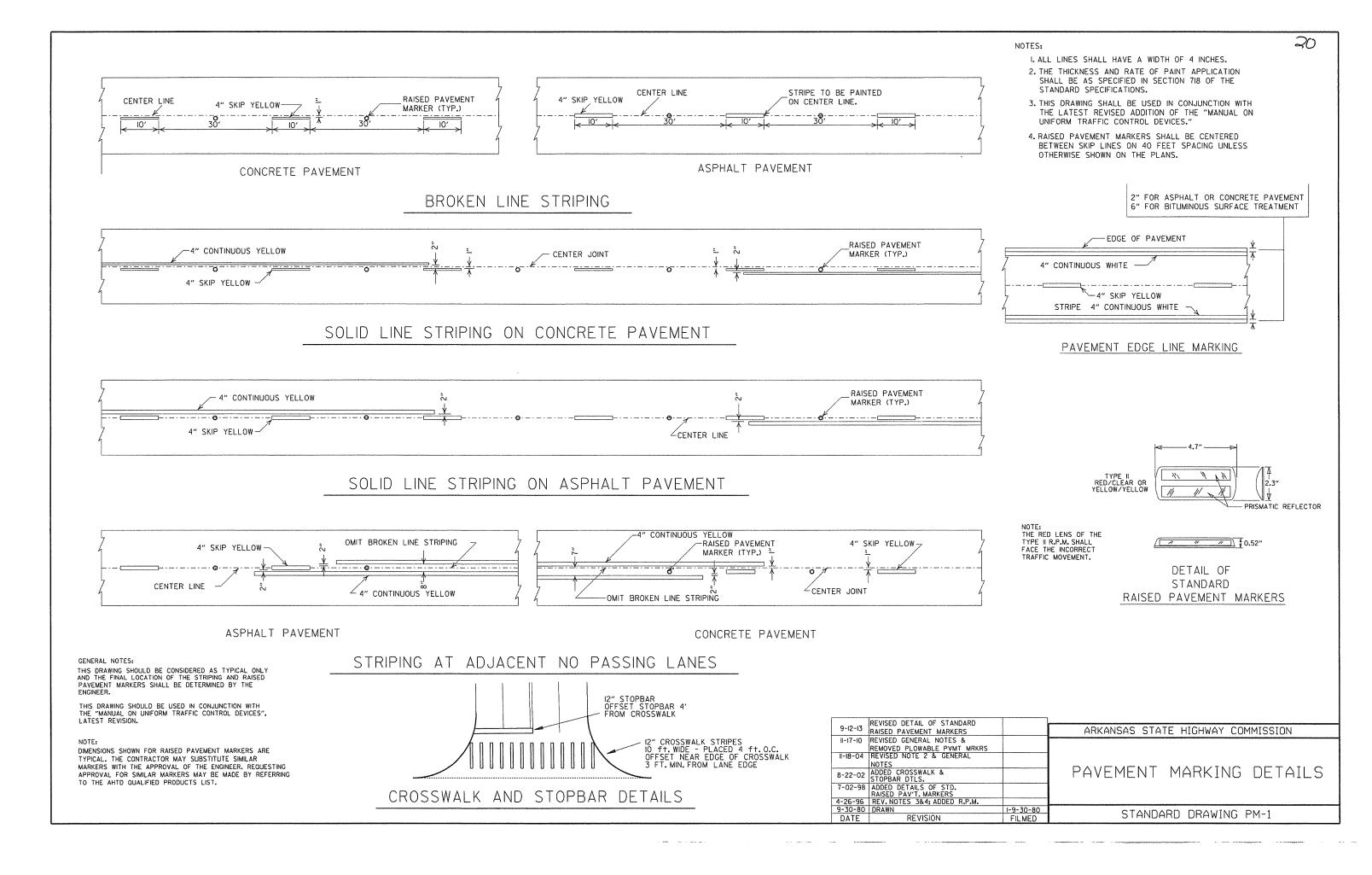
DETAIL OF TERMINAL ANCHOR POST (TYPE I)

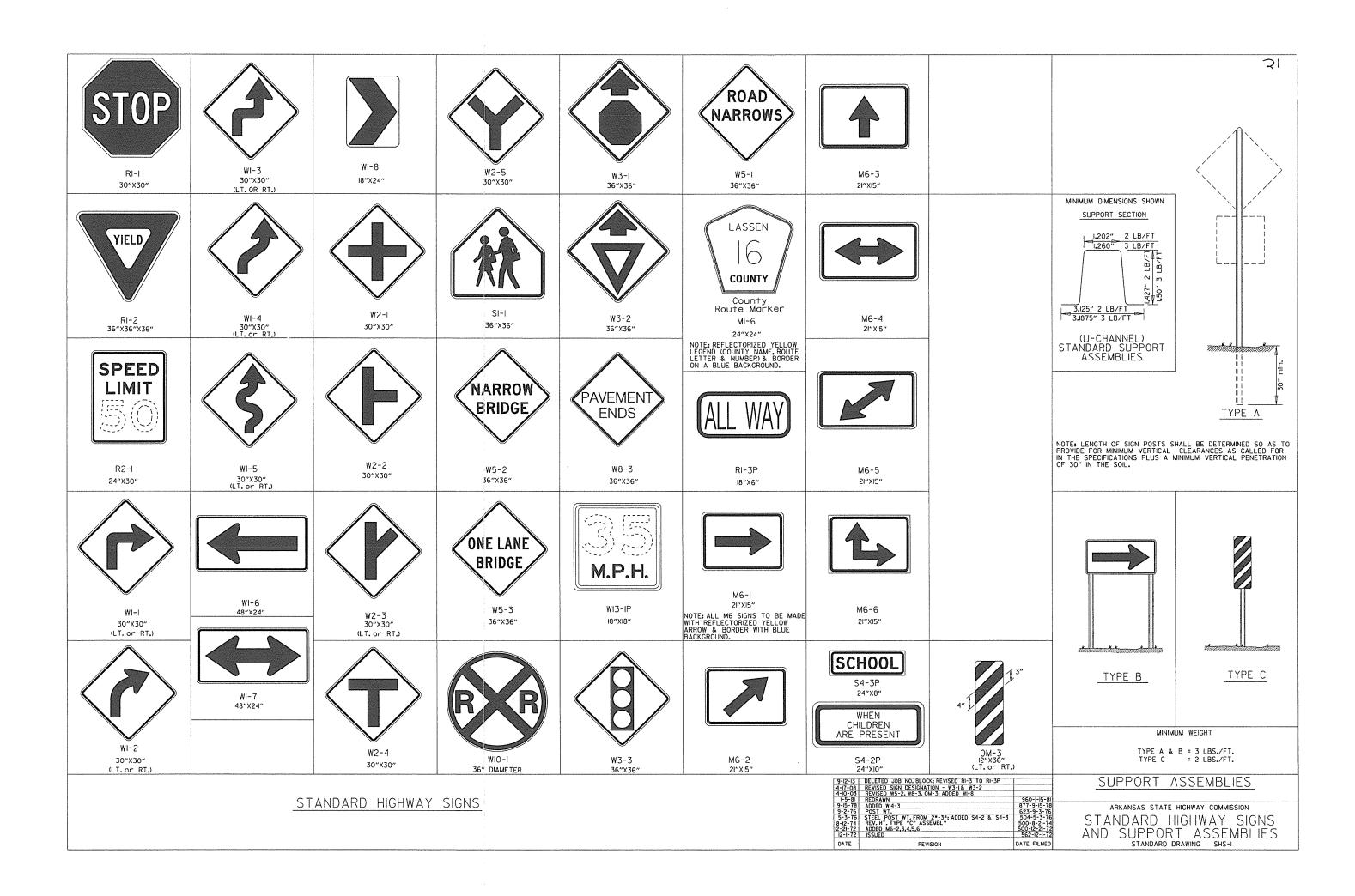


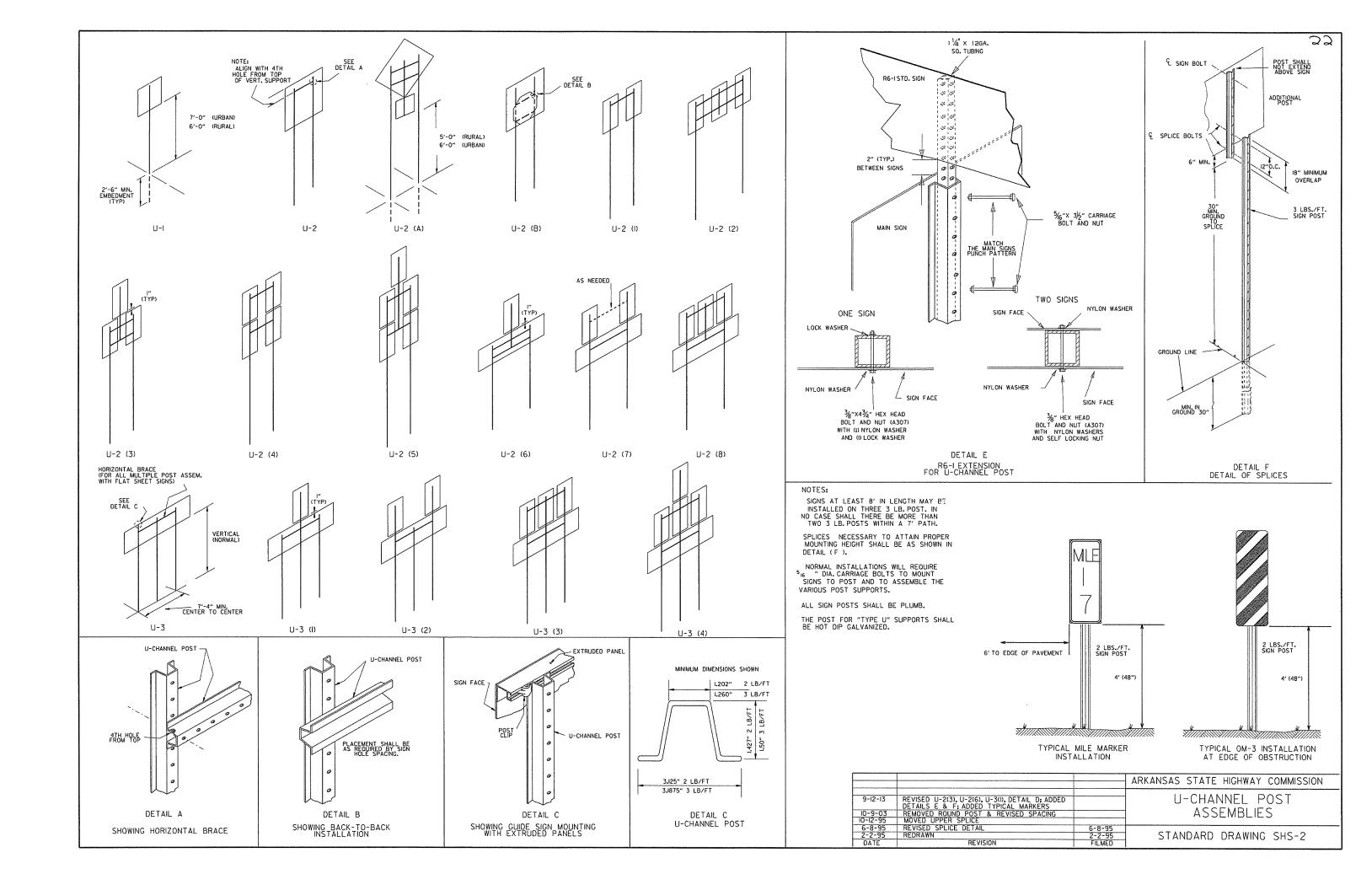
SECTION I

TERMINAL SECTION

			ARKANSAS STATE HIGHWAY COMMISSION
6-26-97 RE	NISED HEIGHT OF GUARD RAIL I'		GUARD RAIL DETAILS
11-3-94 Di	WISED ASTM REF. TO AASHTO MENSION TERMINAL DETAIL DDED NOTE FOR PAYMENT DRAWN & ISSUED REVISION	II-II-92 IO-I-92 DATE FILM	STANDARD DRAWING GRT-I







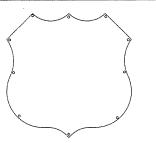
THE CONTRACTOR SHALL DRILL AND POP-RIVET LEGEND, SHIELDS, ARROWS, OR OTHER COPY AS SHOWN.

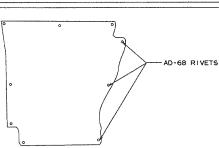
MOUNTING DETAILS FOR DEMOUNTABLE LEGEND ON GUIDE SIGNS

DIRECT APPLIED BORDER

AD-68 RIVETS



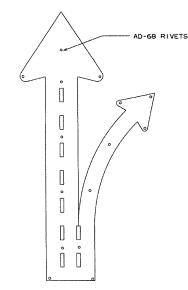


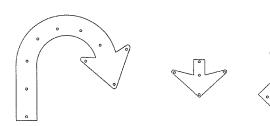


DIRECT APPLIED BORDER

AD-GB RIVETS DEFINITION OF OUR STORY OF STREETS AD-GB RIVETS

AD-68 RIVETS OF GOOD O





NOTES:

LEGEND ON GUIDE SIGNS ON THE MAIN LANES SHALL BE DEMOUNTABLE LEGEND. LEGEND ON GUIDE SIGNS ON CROSS ROADS AND RAMPS SHALL BE DIRECT APPLIED. THE DEMOUNTABLE AND DIRECT APPLIED LEGENDS SHALL BE TYPE IX SHEETING.

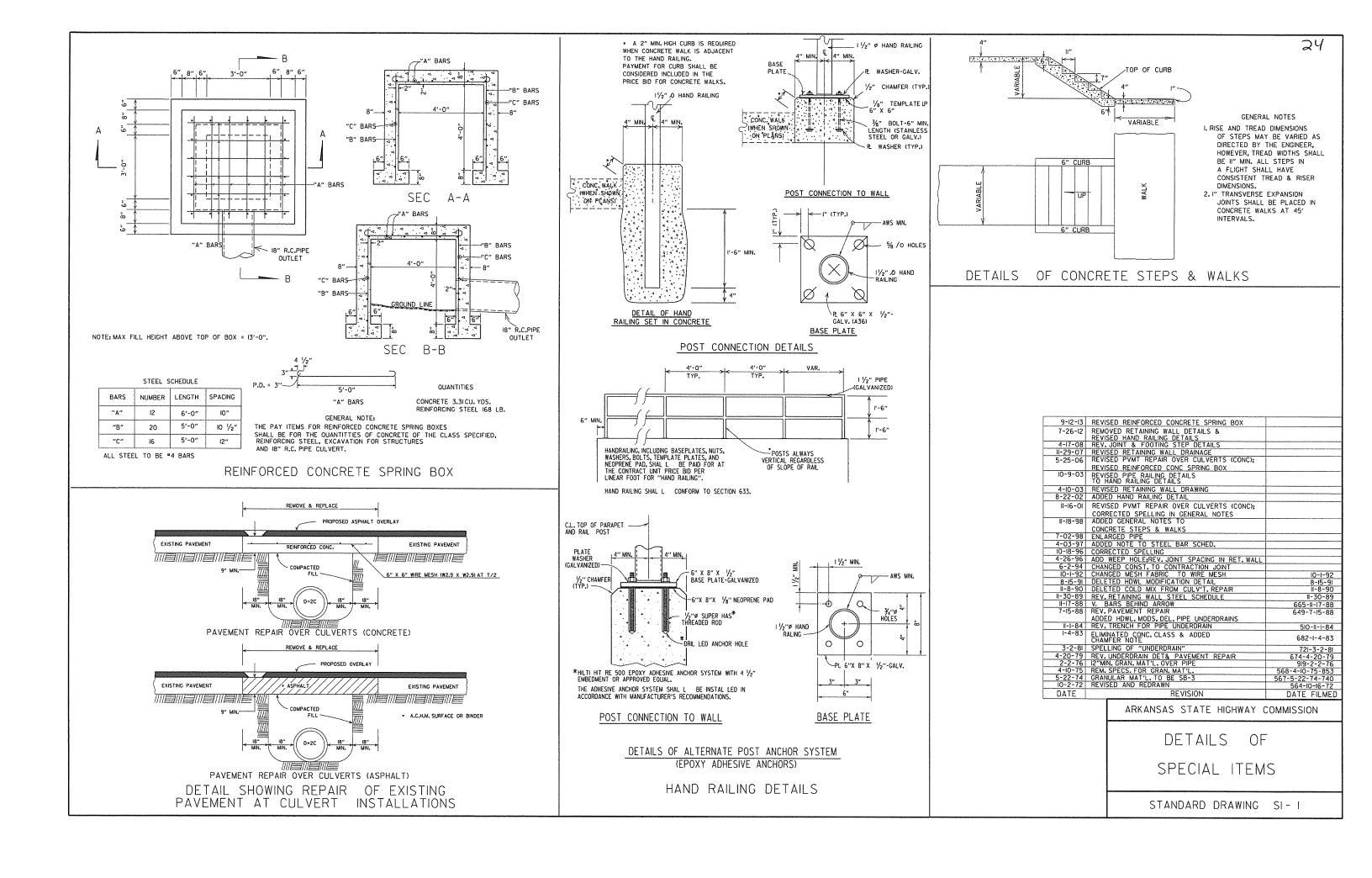
THE BACKGROUND ON ALL GUIDE SIGNS AND STANDARD SIGNS SHALL BE CONSTRUCTED USING TYPE !!! SHEETING.

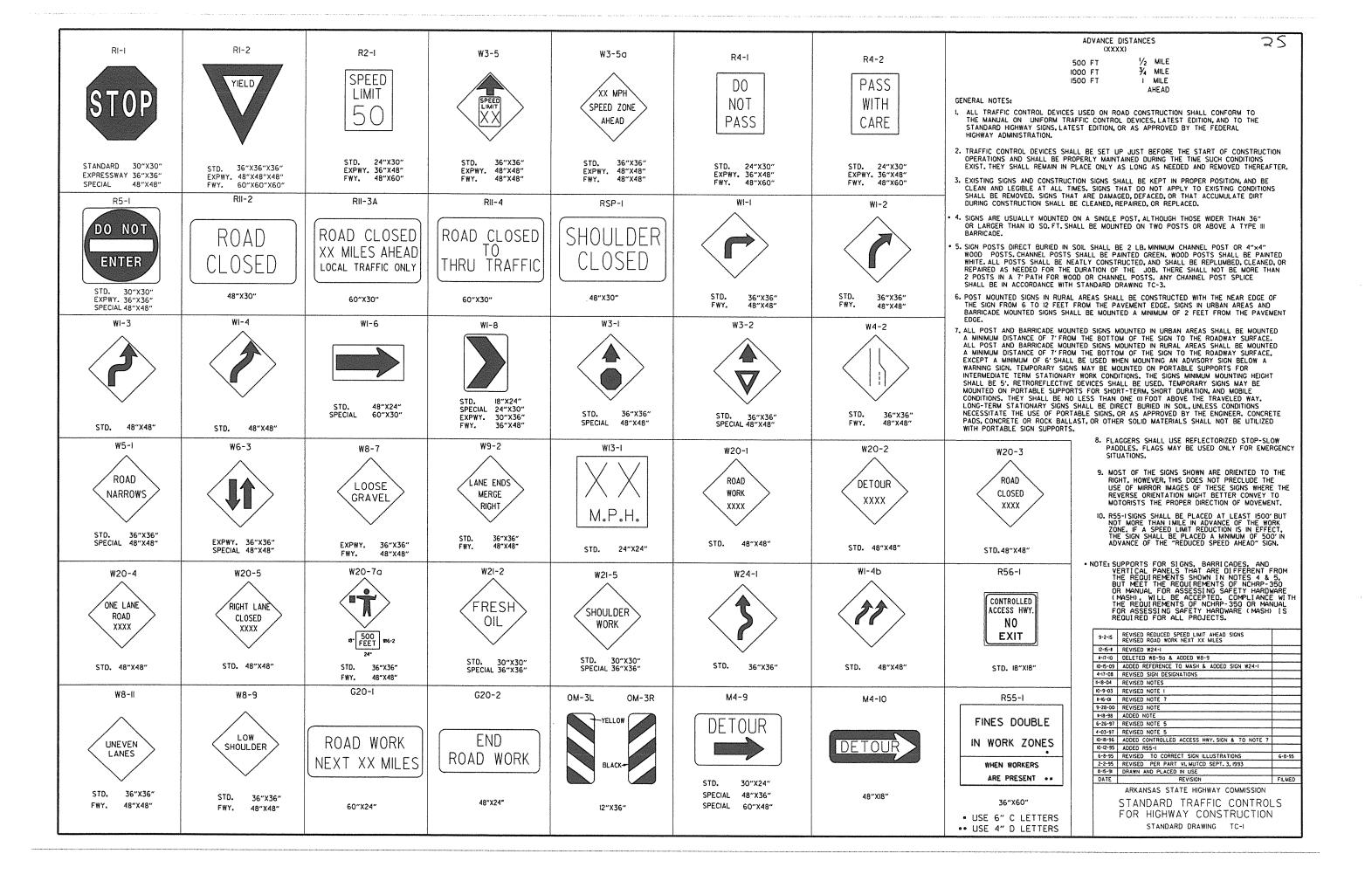
TYPE IX SHEETING FOR BORDER, LEGEND, SHIELDS, ARROWS, OR OTHER COPY SHALL BE ORIENTED VERTICALLY AS PER MANUFACTURERS' DATUM MARKS, ORIENTATION MARKS, OR OTHER RECOMMENDATIONS.

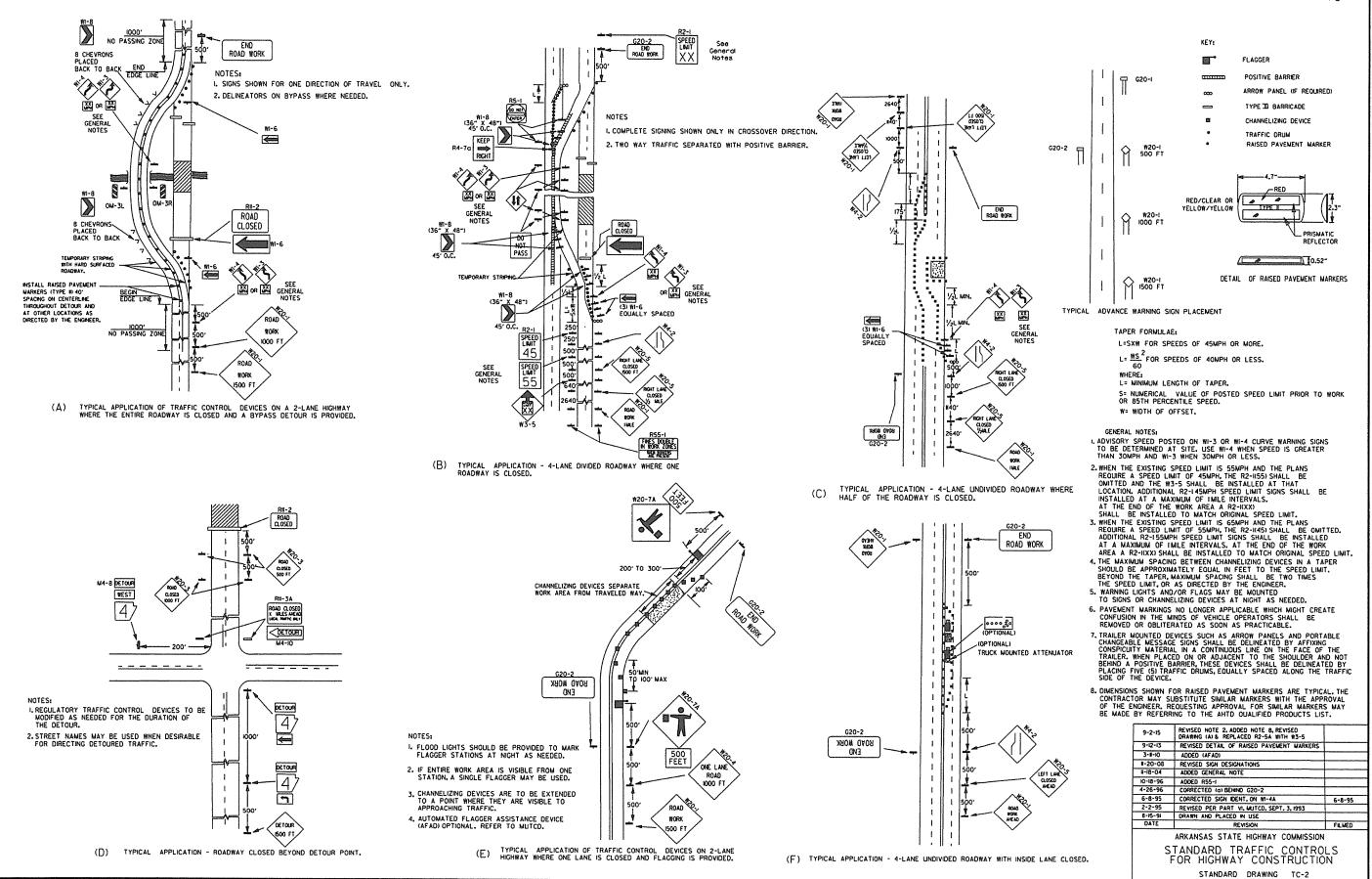
SIGN LEGEND, SHIELDS, ARROWS OR OTHER COPY SHALL BE APPLIED WITH RIVETS ONLY.

NO OTHER METHOD OF APPLYING CHARACTERS IS ALLOWED.

			ARKANSAS STATE HIGHWAY COMMISSION
			MOUNTING DETAILS FOR DEMOUNTABLE LEGEND ON GUIDE SIGNS
9-I2-I3	ISSUED REVISION	FILMED	STANDARD DRAWING SHS-6



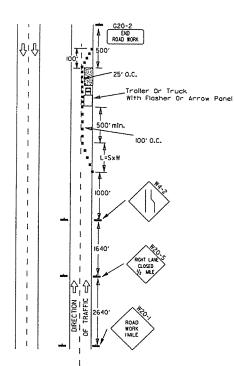




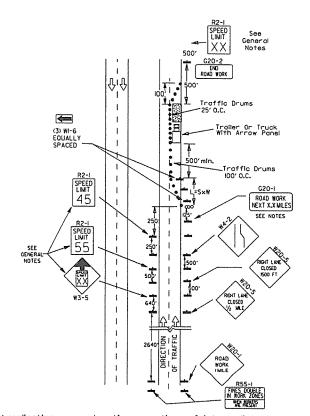
STANDARD TRAFFIC CONTROLS

FOR HIGHWAY CONSTRUCTION

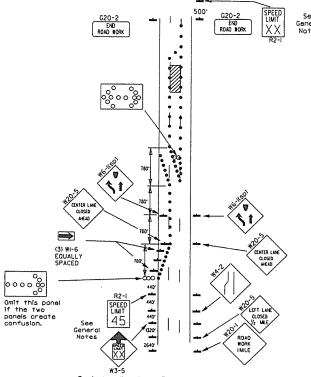
STANDARD DRAWING TC-3



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



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



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

KEY:

OOO Arrow Ponel (If Required)

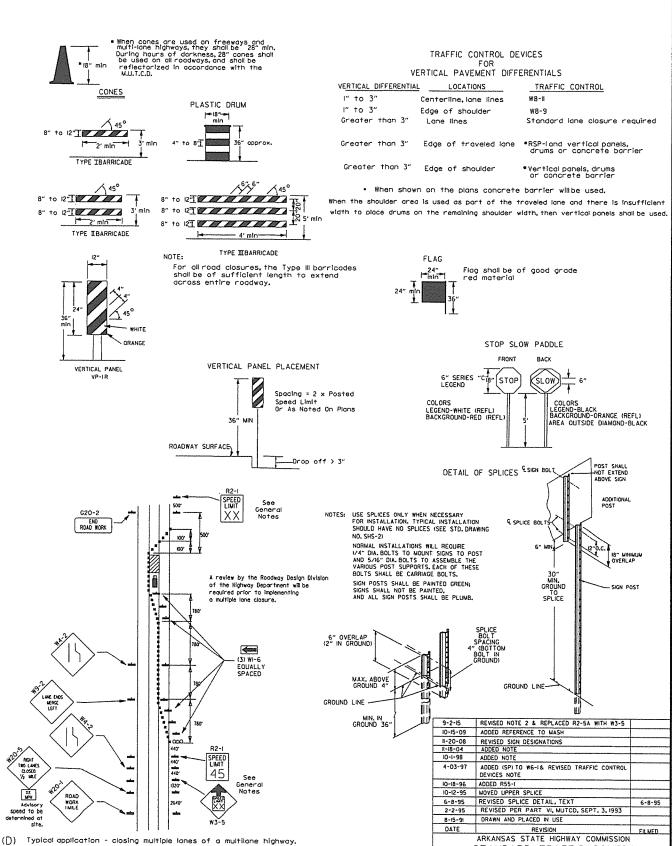
Channelizing Device

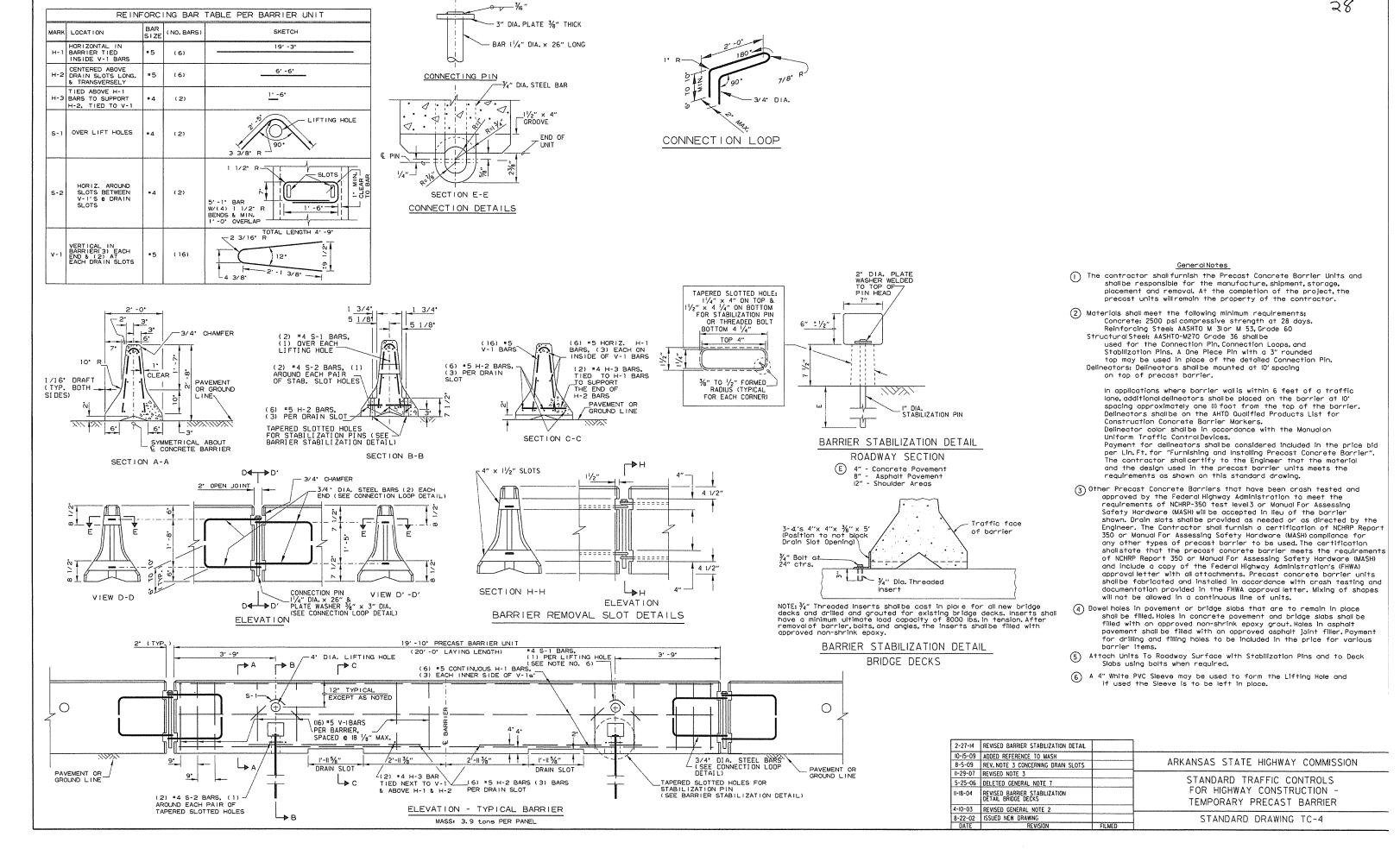
● Traffic drum

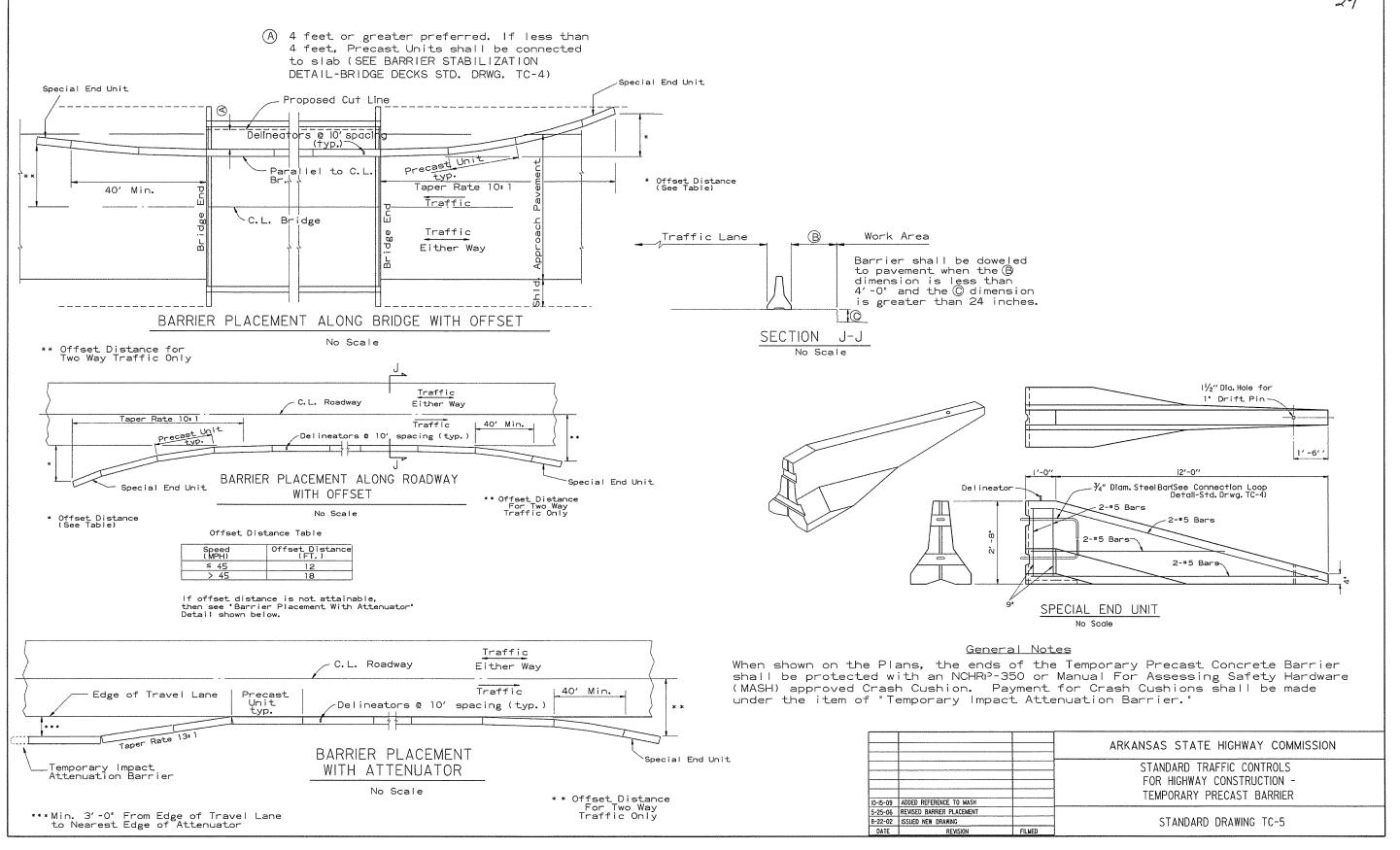
GENERAL NOTES:

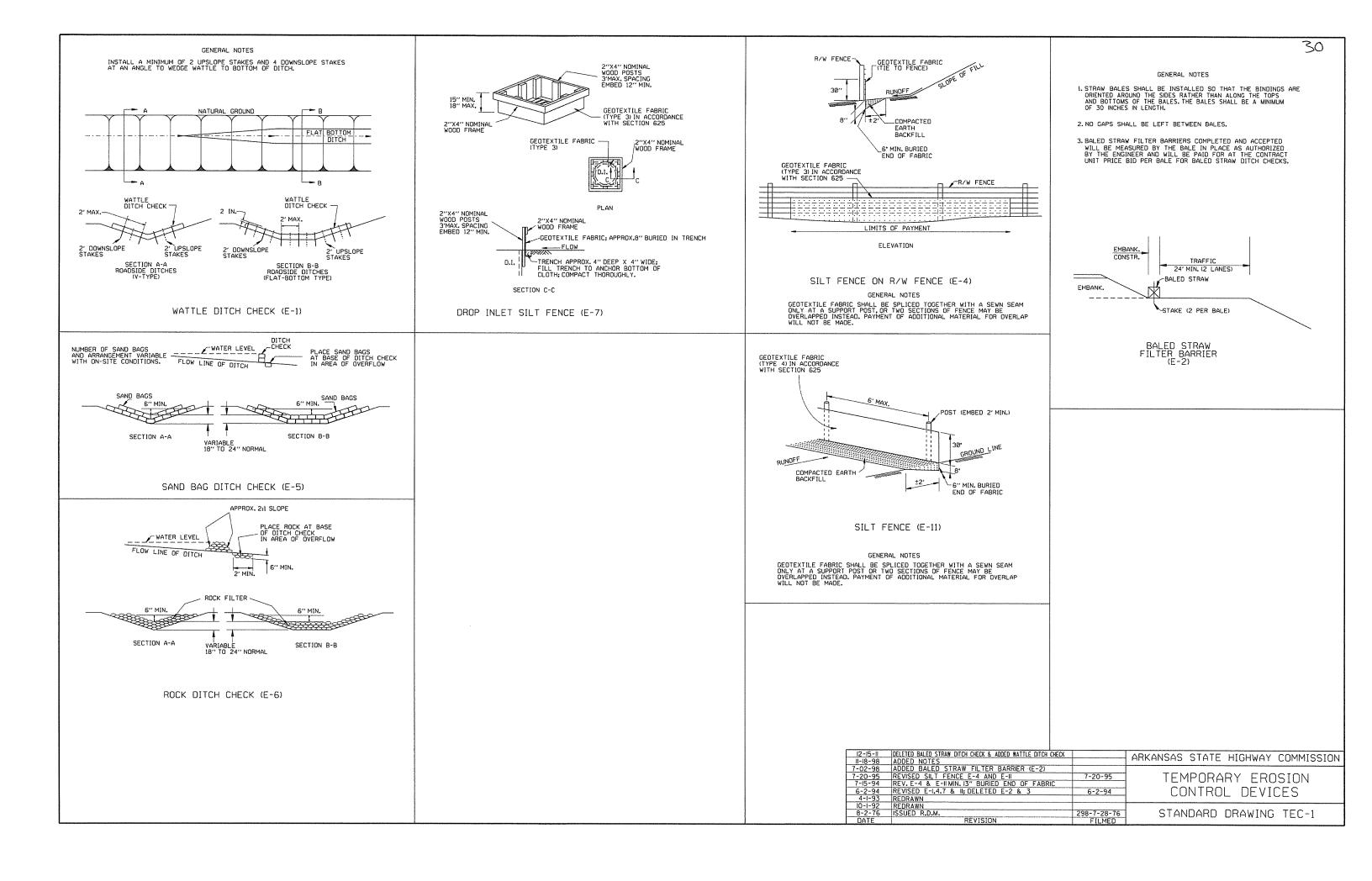
- A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
- 2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-K55) shall be omitted and the W3-5 shall be installed at that location. Additional R2-I45mph speed limit signs shall be installed at a maximum of Imile Intervals. At the end of the work area a R2-KXX) shall be installed to match original speed limit.
- 3. When the existing speed limit is 65mph and the plans require a speed limit of 55mph, the R2-I(45) shall be omitted. Additional R2-I 55mph speed limit signs shall be installed at a maximum of I mile Intervals. At the end of the work area a R2-I(XX) shall be installed to match original speed limit.
- 4. The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit or as directed by the Engineer.
- 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.
- 7. The 620-Isign will be required on jobs of over two miles in length. When the lane closure is not of the beginning of the project, the 620-Isign shall be erected 125' in advance of the job limit. Additional W20-Isign are not required in advance of lane closures that begin inside the project limits.
- 8. Flaggers shall use STOP/SLOW poddles for controlling traffic through work zones. Flags may be used only for emergency situations.
- All plastic drums and cones shall meet the requirements of NCHRP-350 or Manual For Assessing Safety Hardware (MASH).
- Monouror assessing safety nor owere (Mash).

 (I Tralier mounted devices such as arrow panels and portable changeable message signs shallbe delineated by affixing conspicuity material in a continuous line on the face of the tralier. 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.





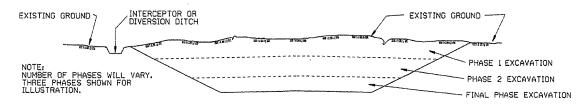




1. PLACE PERIMETER CONTROLS (I.E. SILT FENCES , DIVERSION DITCHES, SEDIMENT BASINS, ETC.)

2. PERFORM CLEARING AND GRUBBING OPERATION.

EXCAVATION



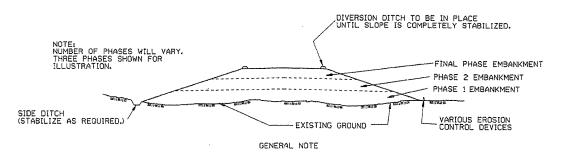
GENERAL NOTE

ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

- 1. EXCAVATE AND STABILIZE INTERCEPTOR AND/OR DIVERSION DITCHES.
- 2. PERFORM PHASE 1 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
- 3. PERFORM PHASE 2 EXCAVATION, PLACE PERMANENT OR TEMPORARY SEEDING.
- 4. PERFORM FINAL PHASE OF EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING, STABILIZE DITCHES, CONSTRUCT DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, OR OTHER EROSION CONTROL DEVICES AS REQUIRED.

EMBANKMENT



ALL EMBANKMENT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE CONSTRUCTED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

CONSTRUCTION SEQUENCE

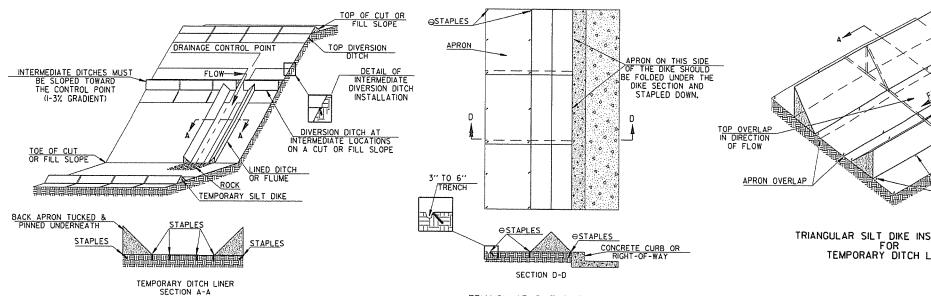
1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.

2. PLACE PHASE I EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING, PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.

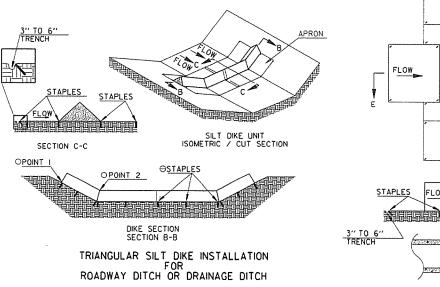
3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING, PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS. 4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.

			ARKANSAS	STATE	HIGHWAY	COMMISSION
			TEN	1POR4	RY ERO	NOTE
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11-03-	94 CORRECTED SPELLING			711110		<u> </u>
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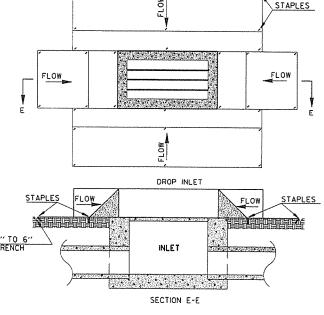


TRIANGULAR SILT DIKE INSTALLATION DIVERSION DITCH AND/OR DITCH LINER



O POINT "I" MUST BE HIGHER THAN POINT "2" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS. $\boldsymbol{\Theta}$ STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE UNIT AS SHOWN ON THE DIAGRAM.

TRIANGULAR SILT DIKE INSTALLATION FOR CONTINUOUS BARRIER



TRIANGULAR SILT DIKE INSTALLATION FOR DROP INLETS

TRIANGULAR SILT DIKE INSTALLATION FOR TEMPORARY DITCH LINER

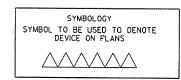
GENERAL NOTES

DIKE SECTION

- I. 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 20" 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 MILDOW 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. INCAUGE WIRE AND BE AT LEAST 6" TO 8" LONG.

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 URING 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.



NOTE: SILT DIKE SHOULD ONLY BE USED FOR DROP INLETS IN SUMP LOCATIONS.

			ARKANSAS STATE HIGHWAY COMMISSION
			TEMPORARY EROSION
			CONTROL DEVICES
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7-26-12	REVISED GENERAL NOTE 2.		STANDARD DRAWING TEC-4
DATE	REVISION	FILMED	STHINDHND DHHWING TEC-4