DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	1	54
				(2) SHEARERVILLE-WEST (CABLE MEDIAN BARRIER)(S)				

"A FULLY CONTROLLED ACCESS FACILITY"

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

CONSTRUCTION PLANS FOR STATE HIGHWAY

SHEARERVILLE - WEST (CABLE MEDIAN BARRIER)(S)

ST. FRANCIS COUNTY

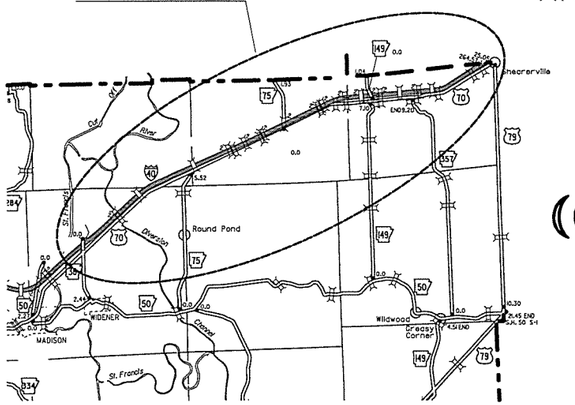
ROUTE 40 SECTION 51

FEDERAL AID PROJ. PEN-0068(40)

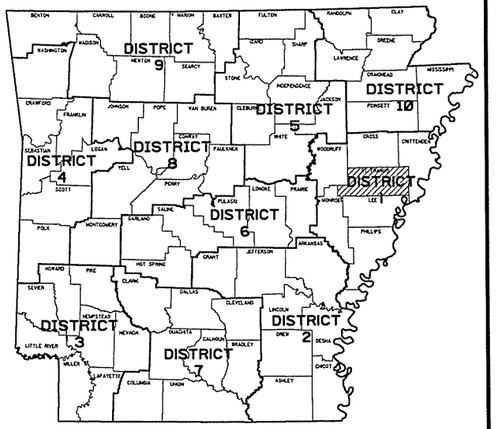
JOB 110630

NOT TO SCALE

PROJECT AREA

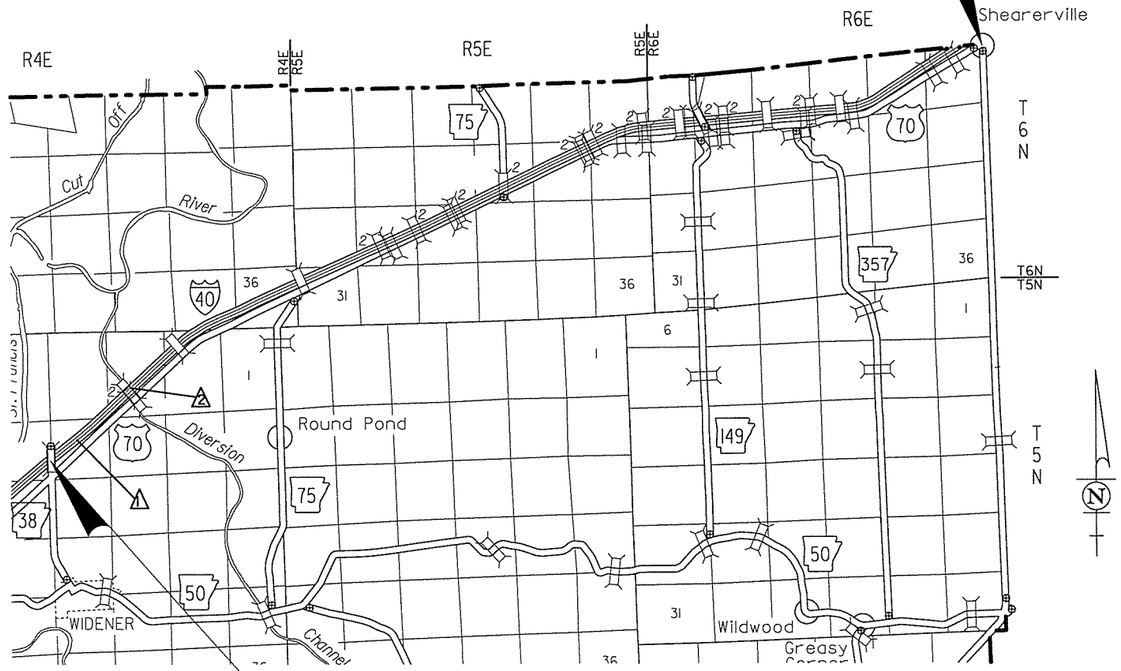


VICINITY MAP



ARK. HWY. DIST. NO. 1

STA. 5385+58.00
END JOB 110630
(LOG MILE 265.05)



STA. 4436+00.00
BEGIN JOB 110630
(LOG MILE 247.05)

EXCEPTIONS:

STA. 4510+00 TO STA. 4549+50	=	4050	LIN. FT.
STA. 4787+97 TO STA. 4802+11	=	1414	LIN. FT.
STA. 4828+34 TO STA. 4831+21	=	287	LIN. FT.
STA. 4868+80 TO STA. 4872+08	=	328	LIN. FT.
STA. 4917+42 TO STA. 4920+48	=	306	LIN. FT.
STA. 4998+64 TO STA. 5001+14	=	250	LIN. FT.
STA. 5007+66 TO STA. 5010+57	=	291	LIN. FT.
STA. 5055+33 TO STA. 5057+98	=	265	LIN. FT.
STA. 5095+89 TO STA. 5132+24	=	3635	LIN. FT.
STA. 5197+50 TO STA. 5227+75	=	3025	LIN. FT.
TOTAL LENGTH OF EXCEPTIONS	=	13851	LIN. FT.

EQUATIONS:

(1) STA. 4467+64.00 BK=
STA. 4467+70.00 AHD.

(2) STA. 4539+00.00 BK=
STA. 4538+00.00 AHD.

DESIGN TRAFFIC DATA

DESIGN YEAR	2035
2015 ADT	31,000
2035 ADT	38,000
2035 DHV	4180
DIRECTIONAL DISTRIBUTION	0.60
TRUCKS	56%
DESIGN SPEED	70 MPH

BEGINNING OF PROJECT	MID POINT OF PROJECT	END OF PROJECT
LATITUDE 35° 03′ 22″ N	LATITUDE 35° 07′ 13″ N	LATITUDE 35° 09′ 04″ N
LONGITUDE 90° 41′ 22″ W	LONGITUDE 90° 32′ 34″ W	LONGITUDE 90° 23′ 57″ W

LENGTH IS COMPUTED ALONG ℄ MEDIAN & IS SHOWN FOR INFORMATION ONLY

GROSS LENGTH OF	PROJECT	95052.00	FEET OR	18.002	MILES
NET " "	ROADWAY	81201.00	" "	15.379	"
NET " "	BRIDGES	0.00	" "	0.000	"
NET " "	PROJECT	81201.00	" "	15.379	"

JACOBS ENGINEERING GROUP, INC. No. 175 CERTIFICATE OF AUTHORIZATION ARKANSAS-ENGINEER

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 8940 MARK ASHER

9-14-15

JACOBS

T:\Job\WLXM2600 AHTD On-Call 2011 Task Order 8003\BB0106\700 CADD Files\777 Roadway\Drawings\04title.dgn 9/14/2015 9:09:15 AM ...\Drawings\04title.dgn

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	2	54
				(2) INDEX OF SHEETS, GOVERNNG SPECIFICATIONS, AND GENERAL NOTES				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

INDEX OF SHEETS

GOVERNING SPECIFICATIONS

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

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
108-1	LIQUIDATED DAMAGES
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
JOB 110630	BIDDING REQUIREMENTS AND CONDITIONS
JOB 110630	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 110630	CONCRETE DITCH PAVING
JOB 110630	COORDINATION OF WORK
JOB 110630	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 110630	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 110630	MAINTENANCE OF TRAFFIC
JOB 110630	MANDATORY ELECTRONIC CONTRACT
JOB 110630	PARTNERING REQUIREMENTS
JOB 110630	SEQUENCE OF CONSTRUCTION
JOB 110630	SITE USE(A+C METHOD)
JOB 110630	STORM WATER POLLUTION PREVENTION PLAN
JOB 110630	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 110630	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 110630	UTILITY ADJUSTMENTS
JOB 110630	VALUE ENGINEERING
JOB 110630	WARM MIX ASPHALT
JOB 110630	WIRE ROPE SAFETY FENCE (WRSF) SPECIFICATIONS
JOB 110630	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS

GENERAL NOTES

1. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
2. 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.
3. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
4. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
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.

INDEX OF SHEETS,
GOVERNING SPECIFICATIONS,
AND GENERAL NOTES

JACOBS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	3	54
				(2)	TYPICAL SECTIONS OF IMPROVEMENT			

STATE OF ARKANSAS
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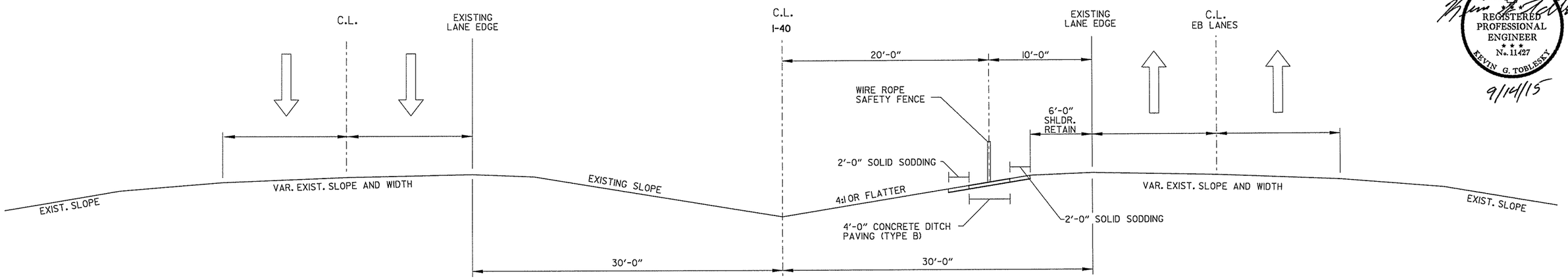
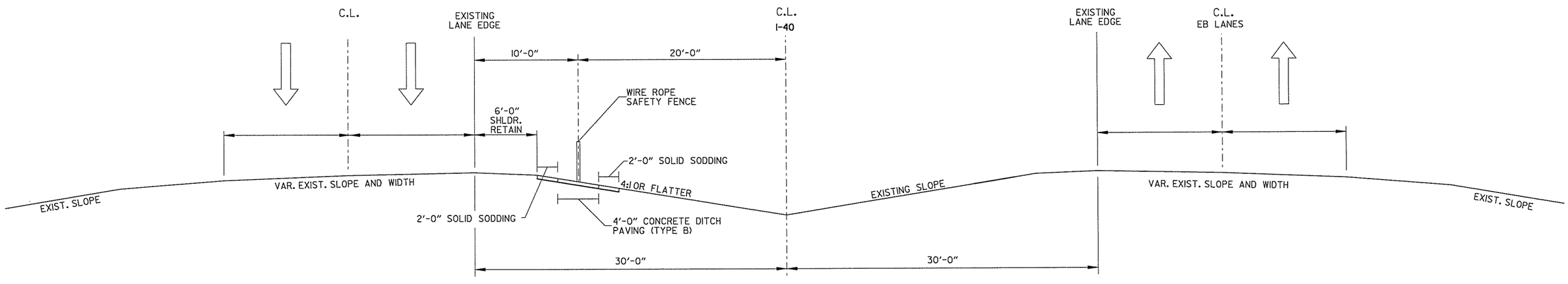
No. 11427
KEVIN G. TOBLESKY
9/14/15



TYPICAL SECTION OF IMPROVEMENT
FOR WIRE ROPE SAFETY FENCE RIGHT OF CENTERLINE

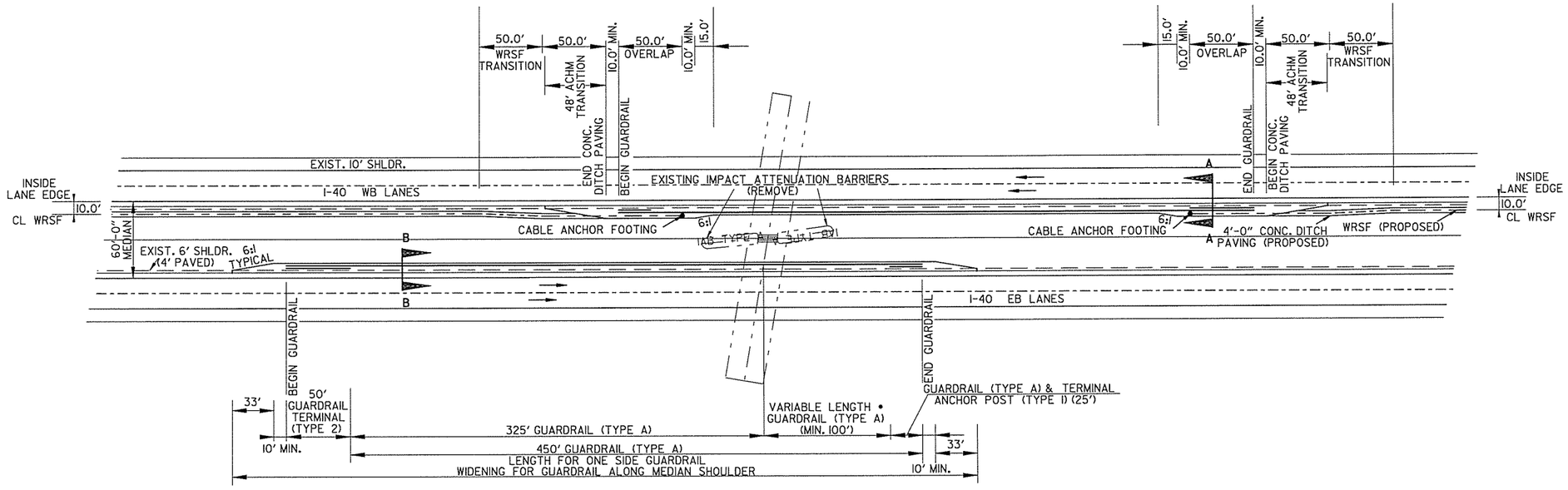


TYPICAL SECTION OF IMPROVEMENT
FOR WIRE ROPE SAFETY FENCE LEFT OF CENTERLINE

JACOBS

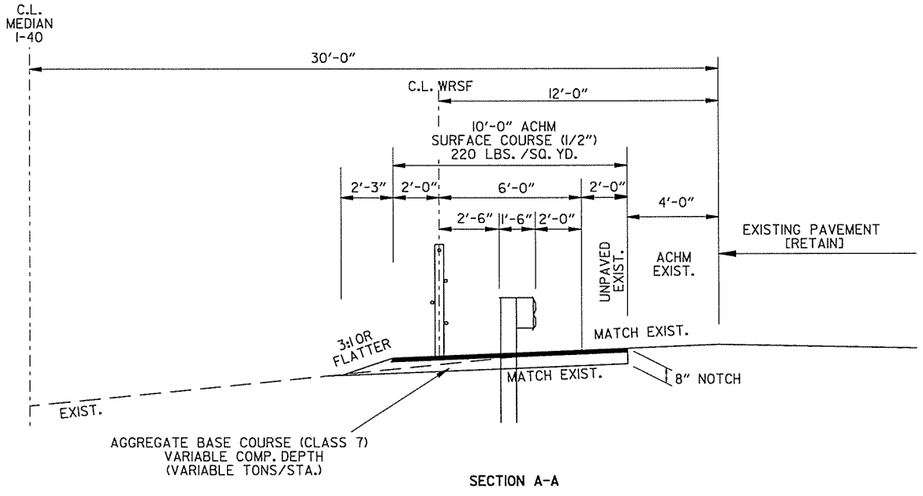
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	4	54
				(2)	SPECIAL DETAILS			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

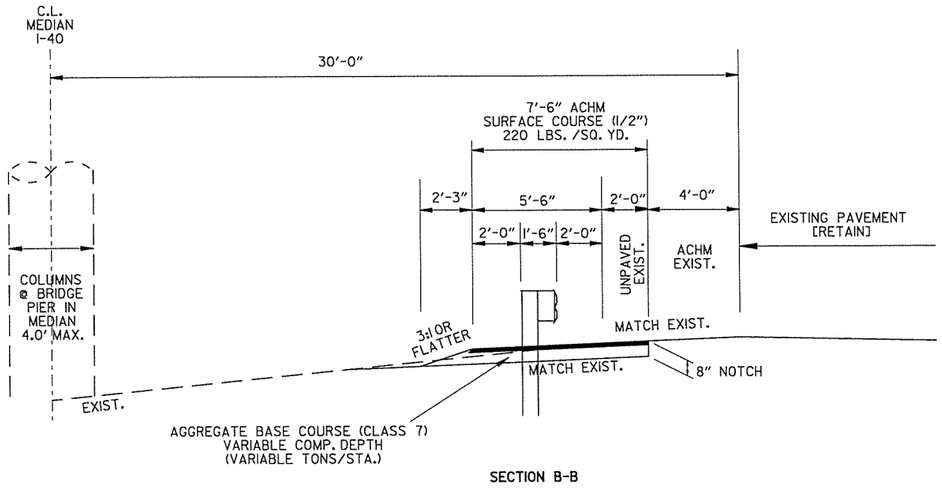


DETAIL AT OVERPASSES

NOTE: REFER TO PLAN SHEETS FOR PLACEMENT OF WIRE ROPE SAFETY FENCE ON EASTBOUND OR WESTBOUND FORESLOPES.



SECTION A-A



SECTION B-B

DETAILS OF SHOULDER WIDENING FOR GUARDRAIL AND OVERLAPS WITH ENDS OF WIRE ROPE SAFETY FENCE

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				6	ARK.			
				JOB NO.		110630	5	54
				(2)	SPECIAL DETAILS			

STATE OF ARKANSAS
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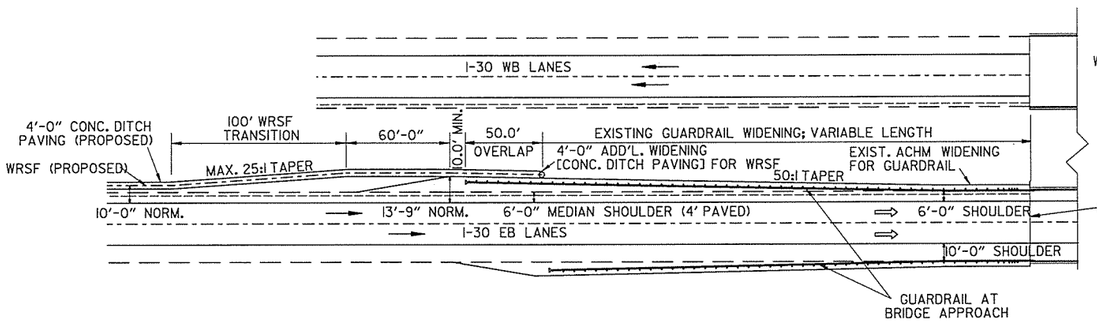
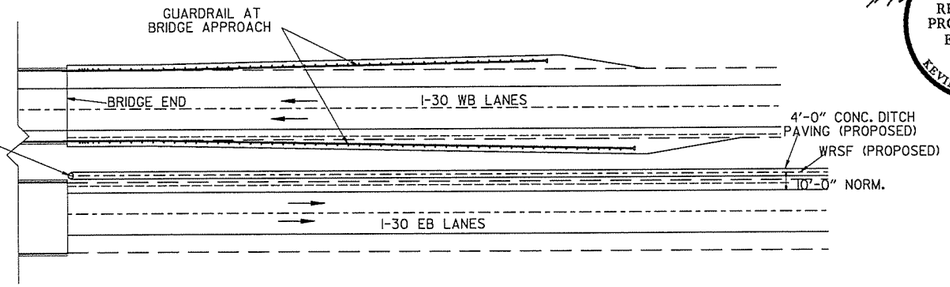
9/14/15



WRSF ANCHOR FOOTINGS NEAR TOP OF SLOPE; REFER TO PLANS FOR STATIONING

BRIDGE END

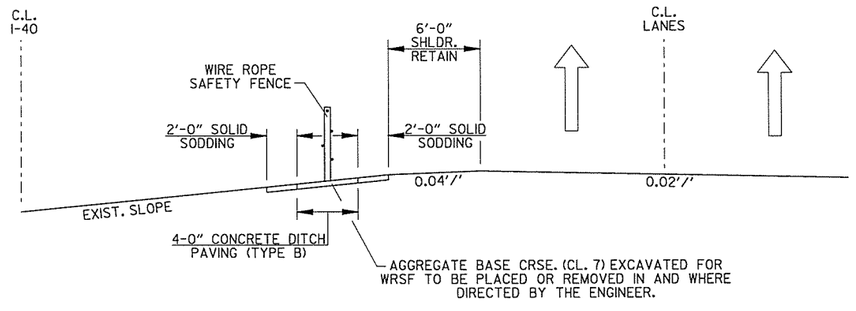
WRSF AND EXIST. GUARDRAIL ON SAME SIDE OF MEDIAN



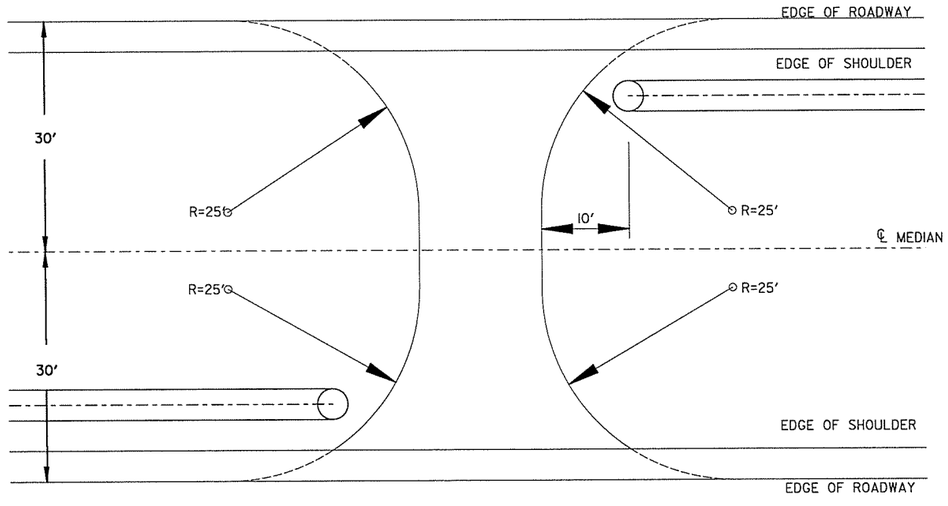
WRSF AND EXIST. GUARDRAIL ON OPPOSITE SIDES OF MEDIAN

DETAIL OF WIRE ROPE SAFETY FENCE AT EXISTING BRIDGE ENDS

REFER TO PLANS FOR RELATIVE PLACEMENT OF GUARDRAIL AND WIRE ROPE SAFETY FENCE AT EACH BRIDGE END



SOLID SODDING DETAIL



DETAIL OF EXISTING MEDIAN CROSSING

JACOBS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	6	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4405 4410 4415 4420 4425 4430 4435

EXIST. R/W & C OF A

N53°33'00"E

EXIST. R/W & C OF A

REVISIONS

DATE	REVISION

LEGEND

(E-7) DROP INLET SILT FENCE

4435 4440 4445 4450 4455 4460 4465

HWY. 38

STA. 4436+00.00
BEGIN JOB 110630
LOG MILE 247.05

EXIST. R/W & C OF A

E-7 E-7 E-7 E-7

N53°33'00"E

EXIST. R/W & C OF A

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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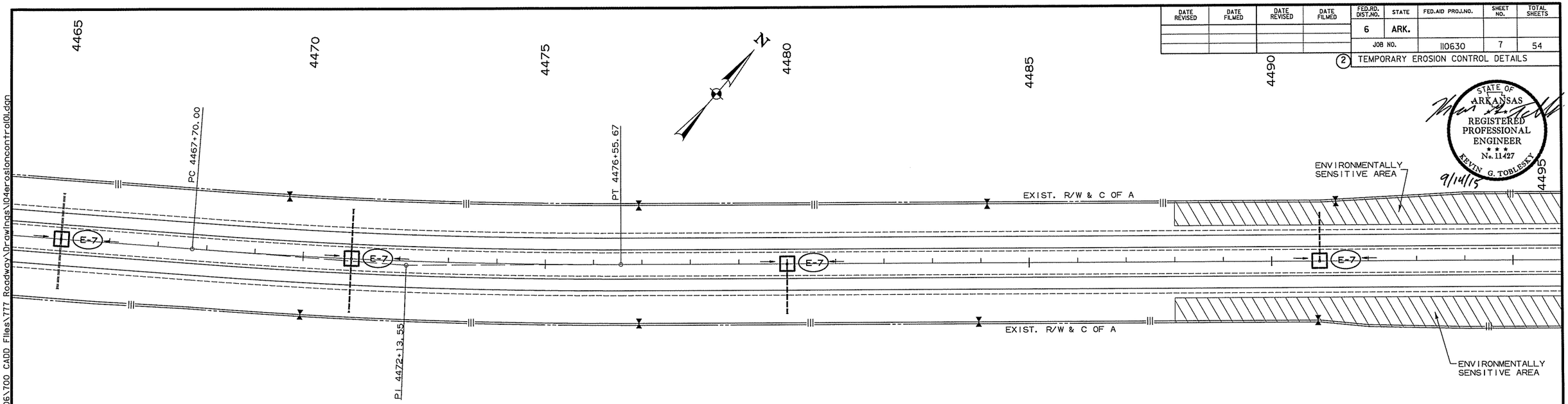
				JOB NO.		110630	7	54

(2) TEMPORARY EROSION CONTROL DETAILS



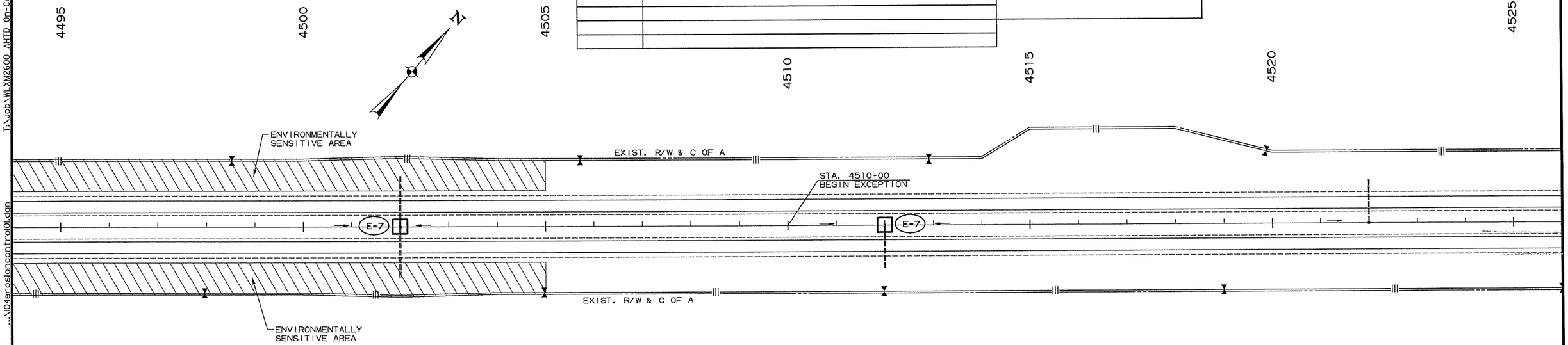
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE



TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	8	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4525 4530 4535 4540 4545 4550 4555

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

STA. 4549+50
END EXCEPTION

EXIST. R/W & C OF A

E-7

EXIST. R/W & C OF A

EQ. 4539+00.00 BK. =
4538+00.00 AHD.

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

4555 4560 4565 4570 4575 4580 4585

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W & C OF A

E-7 E-7 E-7 E-7

EXIST. R/W & C OF A

ENVIRONMENTALLY SENSITIVE AREA

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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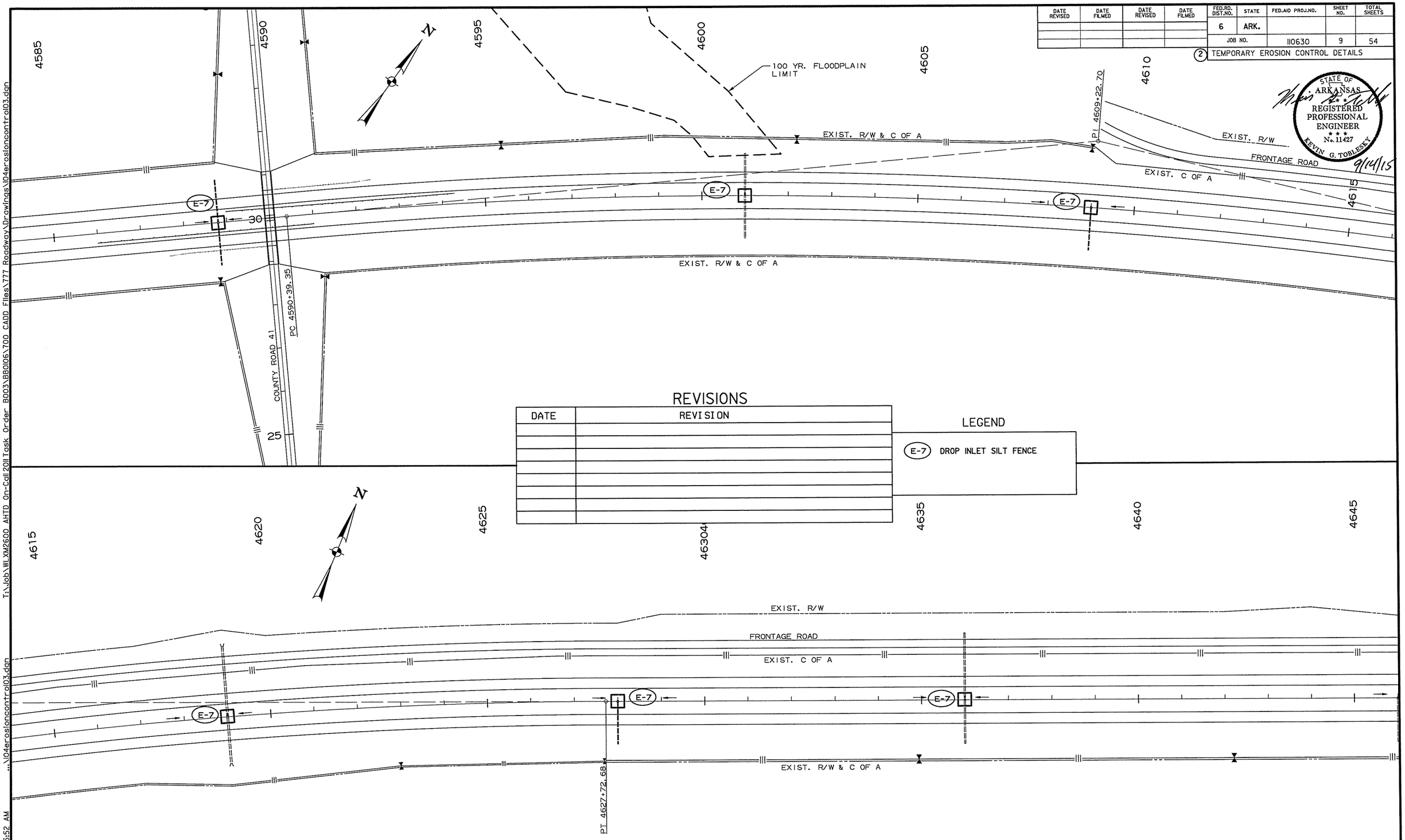
				6	ARK.			
				JOB NO.		110630	9	54

(2) TEMPORARY EROSION CONTROL DETAILS



STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

REVISIONS

DATE	REVISION

LEGEND

(E-7) DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	10	54
				(2) TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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KEVIN G. TOBLESKY
9/14/15

4645 4650 4655 4660 4665 4670 4675

N

EXIST. R/W

FRONTAGE ROAD

EXIST. C OF A

EXIST. R/W & C OF A

ENVIRONMENTALLY SENSITIVE AREA

100 YR. FLOODPLAIN LIMIT

E-7

EXIST. R/W & C OF A

ENVIRONMENTALLY SENSITIVE AREA

100 YR. FLOODPLAIN LIMIT

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

4675 4680 4685 4690 4695 4700 4705

N

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

E-7

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	11	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4705 4710 4715 4720 4725 4730 4735

COUNTY ROAD 22 (HICKS STATION UNDERPASS)

15

N

100 YR. FLOODPLAIN LIMIT

EXIST. R/W & C OF A

E-7

10

4735 4740 4745 4750 4755 4760 4765

EXIST. R/W

FRONTAGE ROAD

EXIST. C OF A

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	12	54

(2) TEMPORARY EROSION CONTROL DETAILS

4765 4770 4775 4780 4785 4790 4795

EXIST. R/W
FRONTAGE ROAD
EXIST. C OF A
EXIST. R/W & C OF A
100 YR. FLOODPLAIN LIMIT
ENVIRONMENTALLY SENSITIVE AREA
E-7
E-11
STA. 4787+97
BEGIN EXCEPTION

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE
E-11 SILT FENCE

4795 4800 4805 4810 4815 4820 4825

100 YR. FLOODPLAIN LIMIT
STA. 4802+11
END EXCEPTION
EXIST. R/W & C OF A
E-7
E-11
EXIST. R/W & C OF A
100 YR. FLOODPLAIN LIMIT

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	13	54
				(2) TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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No. 11427
KEVIN G. TOBLESKY
9/14/15

4825 4830 4835 4840 4845 4850 4855

EXIST. R/W & C OF A

PC 4829+23.59

EXIST. R/W

EX. C OF A

PT 4832+33.59

100 YEAR FLOODPLAIN LIMIT

E-11

3875A

TO

3875B

E-7

STA. 4828+34
BEGIN EXCEPTION

STA. 4831+21
END EXCEPTION

PI 4830+78.60

100 YEAR FLOODPLAIN LIMIT

REVISIONS

DATE	REVISION

LEGEND

- (E-7) DROP INLET SILT FENCE
- (E-11) SILT FENCE

4855 4860 4865 4870 4875 4880 4885

100 YEAR FLOODPLAIN LIMIT

STA. 4868+80
BEGIN EXCEPTION

ENVIRONMENTALLY SENSITIVE AREA

3876A

3876B

STA. 4872+08
END EXCEPTION

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

T:\Job\WLXM2600 AHTD On-Call 2011 Task Order B003\BB0106\700 CADD Files\777 Roadway\Drawings\104erosioncontrol07.dgn
9/14/2015 9:16:36 AM

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	14	54
				(2) TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

4885 4890 4895 4900 4905 4910 4915

100 YR. FLOODPLAIN LIMIT

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W & C OF A

RAMP 1

E-7

ENVIRONMENTALLY SENSITIVE AREA

100 YR. FLOODPLAIN LIMIT

RAMP 2

EXIST. R/W & C OF A

REVISIONS

DATE	REVISION

LEGEND

- (E-7) DROP INLET SILT FENCE
- (E-11) SILT FENCE

4915 4920 4925 4930 4935 4940 4945

RAMP 1

EXIST. R/W & C OF A

RAMP 3

STA. 4917+42
BEGIN EXCEPTION

E-11

3877A

3877B

E-11

STA. 4920+48
END EXCEPTION

10

5 HWY 75

RAMP 2

RAMP 4

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	15	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4945 4950 4955 4960 4965 4970 4975

100 YR. FLOODPLAIN LIMIT

EXIST. R/W & C OF A

E-7

4975 4980 4985 4990 4995 5000 5005

STA. 5001+14
END EXCEPTION

STA. 4998+64
BEGIN EXCEPTION

3878A

3878B

E-11

REVISIONS

DATE	REVISION

LEGEND

- E-7 DROP INLET SILT FENCE
- E-11 SILT FENCE

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	16	54

(2) TEMPORARY EROSION CONTROL DETAILS

5005 5010 5015 5020 5025 5030 5035

N

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 5007+66
BEGIN EXCEPTION

STA. 5010+57
END EXCEPTION

3879A

3879B

20

E-11

E-7

COUNTY ROAD

PC 5022+14.00

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

E-11 SILT FENCE

5035 5040 5045 5050 5055 5060 5065

N

PI 5043+06.81

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 5057+98
END EXCEPTION

100 YR. FLOODPLAIN LIMIT

3880A

3880B

E-7

E-11

STA. 5055+33
BEGIN EXCEPTION

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

PT 5063+54.00

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	17	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

N

5065 5070 5075 5080 5085 5090 5095

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

POT 5091+00.00

15

E-7

E-7

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 5095+89
BEGIN EXCEPTION

COUNTY ROAD 410

10

100 YR. FLOODPLAIN LIMIT

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

5095 5100 5105 5110 5115 5120 5125

N

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

HWY 149

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W & C OF A

315

ENVIRONMENTALLY SENSITIVE AREAS

RAMP 1

RAMP 2

RAMP 3

RAMP 4

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

ENVIRONMENTALLY SENSITIVE AREA

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

310

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

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9:17:20 AM
9/14/2015

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				6	ARK.			
				JOB NO.		110630	18	54
				(2) TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

5125 5130 5135 5140 5145 5150 5155

N

100 YR. FLOODPLAIN LIMIT

BRIDGES 3902A&B ARE EXCEPTIONS

100 YR. FLOODPLAIN LIMIT

EXIST. R/W & C OF A

B.E. 5132+31.50

STA. 5132+24 END EXCEPTION

B.E. 5131+56.50

RAMP 1

3902A

E-7 E-11 E-11 E-7 E-7

3902B

RAMP 4

B.E. 5131+48.50

B.E. 5132+23.50

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

E-11 SILT FENCE

5155 5160 5165 5170 5175 5180 5185

N

COUNTY ROAD 74

EXIST. R/W

LT. FRONTAGE ROAD

EXIST. C OF A

EXIST. R/W & C OF A

E-7 E-7 E-7

EXIST. R/W & C OF A

EXIST. R/W & C OF A

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

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9/14/2015 9:17:29 AM

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	19	54

(2) TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

N

5185 5190 5195 5200 5205 5210 5215

100 YR. FLOODPLAIN LIMIT

ENVIRONMENTALLY SENSITIVE AREA

STA. 5197+50
BEGIN EXCEPTION

EXIST. R/W & C OF A

EXIST. R/W

E-7

EXIST. R/W & C OF A

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

5215 5220 5225 5230 5235 5240 5245

100 YR. FLOODPLAIN LIMIT

N

STA. 5227+75
END EXCEPTION

EXIST. R/W & C OF A

E-7 E-7

EXIST. R/W & C OF A

COUNTY ROAD 34
(JEANETTE ROAD UNDERPASS)

TEMPORARY EROSION CONTROL DETAILS PRIOR TO CONSTRUCTION

JACOBS

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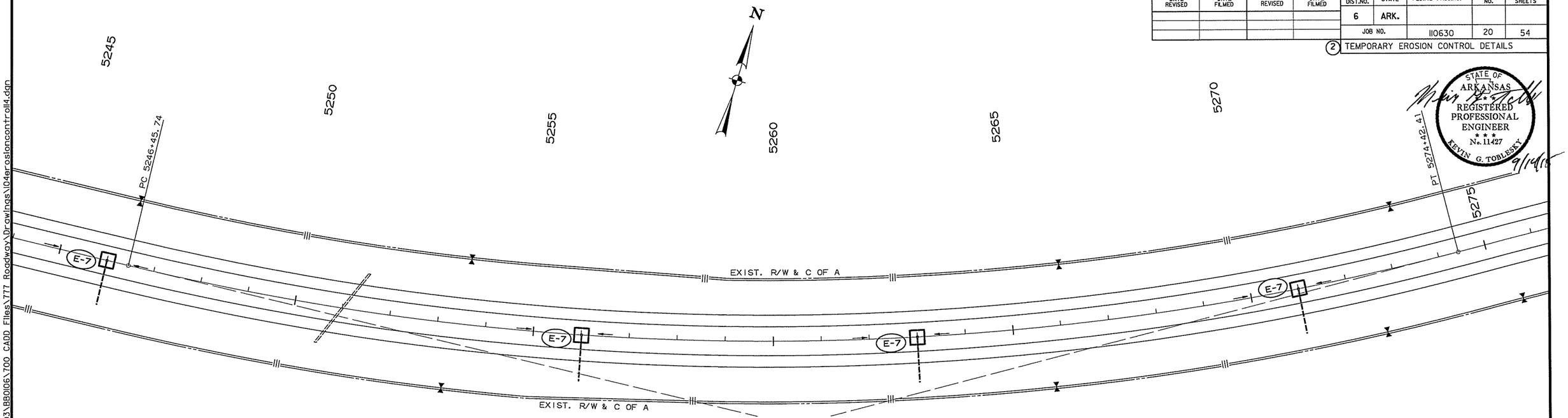
				6	ARK.			
				JOB NO.		110630	20	54

(2) TEMPORARY EROSION CONTROL DETAILS



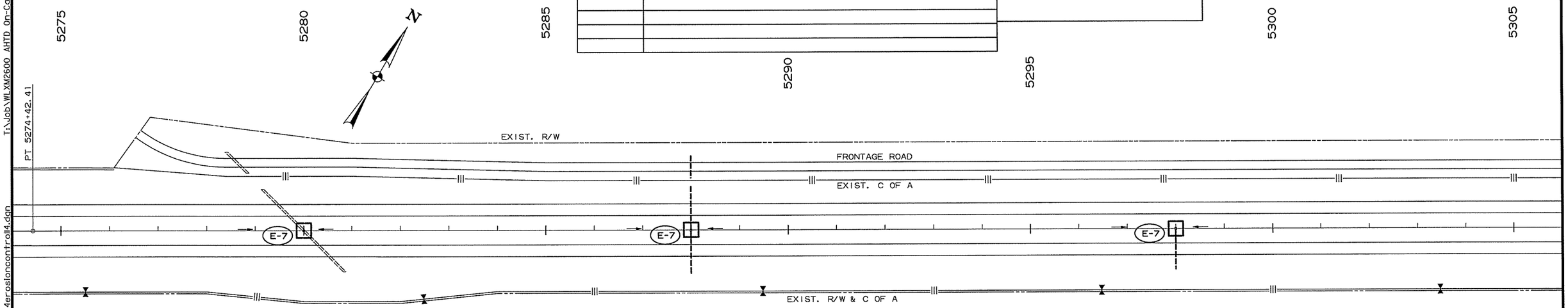
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

REVISIONS

DATE	REVISION

LEGEND

(E-7) DROP INLET SILT FENCE



TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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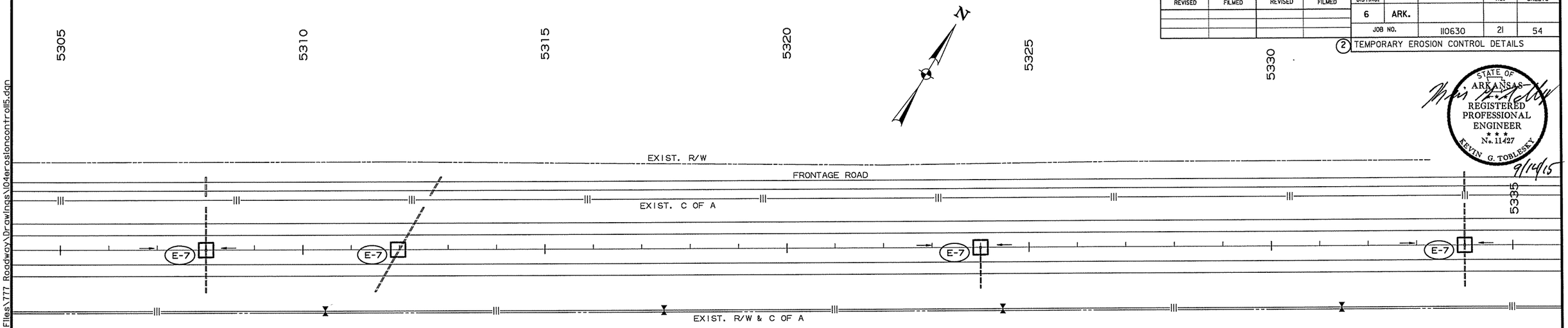
				6	ARK.			
				JOB NO.		110630	21	54
				(2) TEMPORARY EROSION CONTROL DETAILS				

5305 5310 5315 5320 5325 5330



5335

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

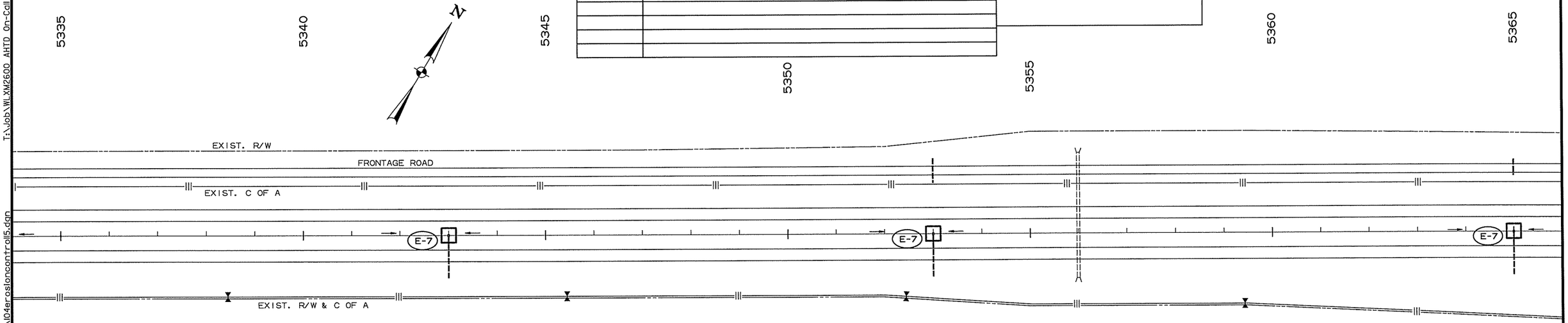
REVISIONS

DATE	REVISION

LEGEND

E-7 DROP INLET SILT FENCE

5335 5340 5345 5350 5355 5360 5365



TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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				6	ARK.			
				JOB NO.		110630	22	54

(2) TEMPORARY EROSION CONTROL DETAILS

REVISIONS

DATE	REVISION

LEGEND

(E-7) DROP INLET SILT FENCE

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

N

5365 5370 5375 5380 5385 5390 5395

EXIST. R/W
FRONTAGE ROAD
EXIST. C OF A
EXIST. R/W & C OF A
EXIST. R/W
EXIST. C OF A
EXIST. R/W C OF A

BINGS STORE ROAD
HWY. 218/HWY. 79

PC 5367+94.95
PI 5385+23.90

STA. 5385+58.00
END JOB 110630
LOG MILE 265.05

STA. 5386+47.14 ℄ MED
STA. 12+03.00 HWY. 218/HWY. 79

20 15 10 5

E-7 E-7 E-7 E-7

TEMPORARY EROSION CONTROL DETAILS
PRIOR TO CONSTRUCTION

JACOBS

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9/14/2015 9:18:14 AM

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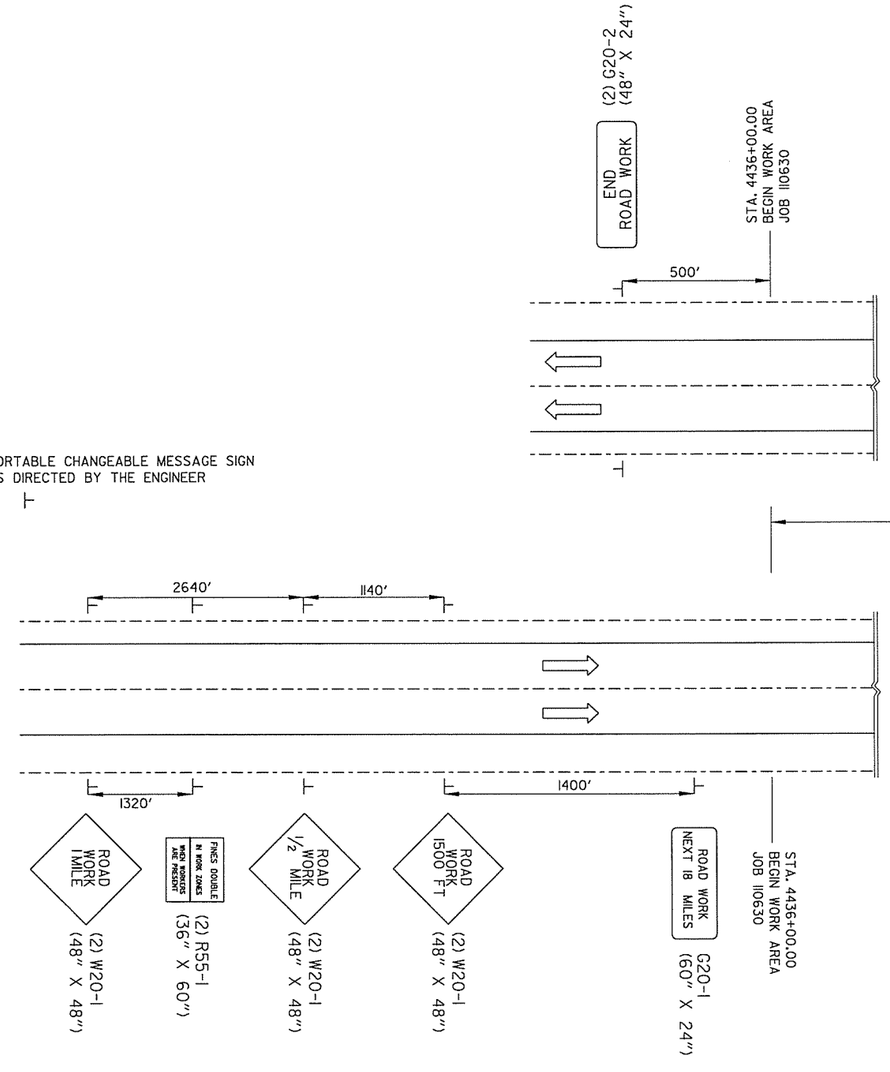
				6	ARK.			
				JOB NO.		110630	23	54
				(2)	MAINTENANCE OF TRAFFIC			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

NOTE: THESE SIGNS
MAY BE TEMPORARILY REPLACED BY
SOME OF THE ADVANCE SIGNS FOR LANE CLOSURES
WHILE WORK IS UNDERWAY IN THESE AREAS.



NOTE: THESE SIGNS
MAY BE TEMPORARILY REPLACED BY
SOME OF THE ADVANCE SIGNS FOR LANE CLOSURES
WHILE WORK IS UNDERWAY IN THESE AREAS.

ADVANCE SIGNS AT BEGINNING AND END OF JOB 110630
ALL STAGES

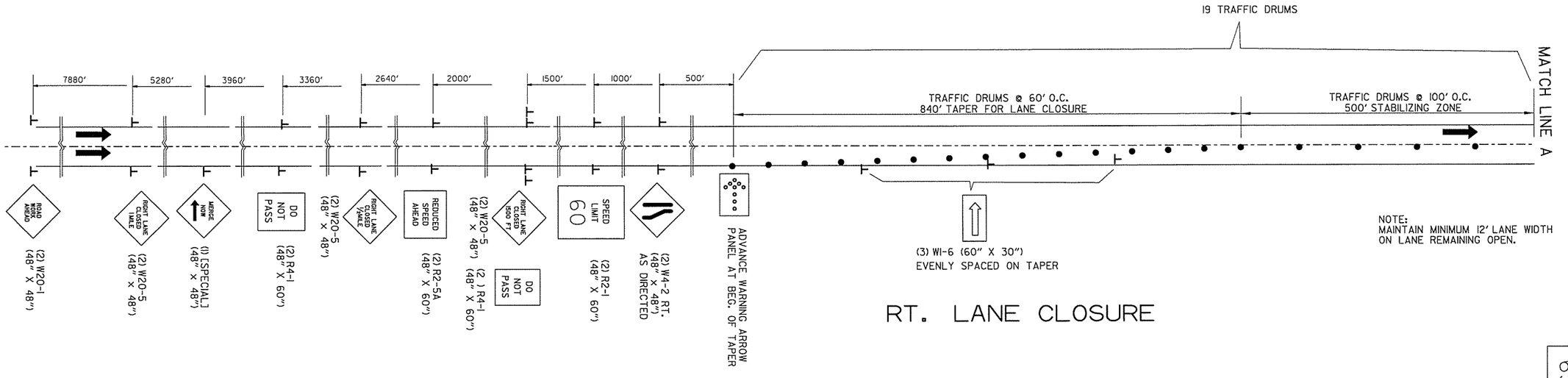
MAINTENANCE OF TRAFFIC
ADVANCE WARNING SIGNS

JACOBS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	24	54

(2) MAINTENANCE OF TRAFFIC

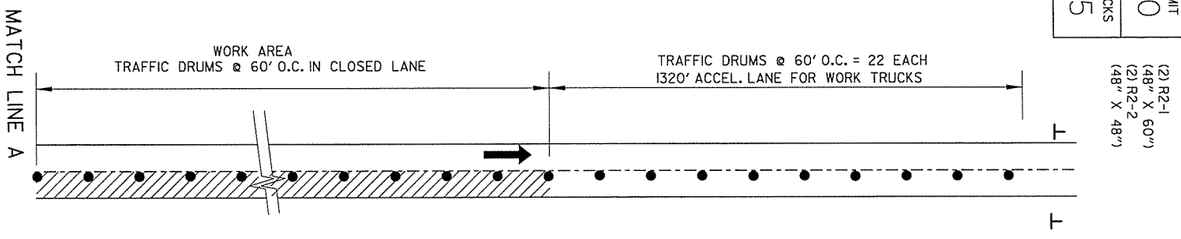
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15



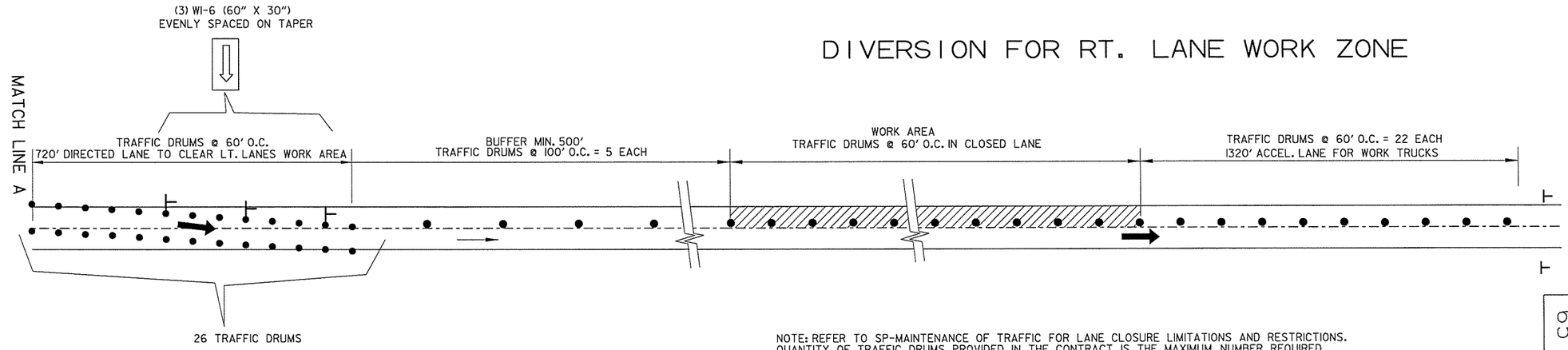
RT. LANE CLOSURE

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

SPEED LIMIT SIGNS ARE ALSO PROVIDED FOR PLACEMENT PAST ENTRANCE RAMPS WITHIN THE WORK ZONE.



DIVERSION FOR RT. LANE WORK ZONE



DIVERSION FOR LT. LANE WORK ZONE

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

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

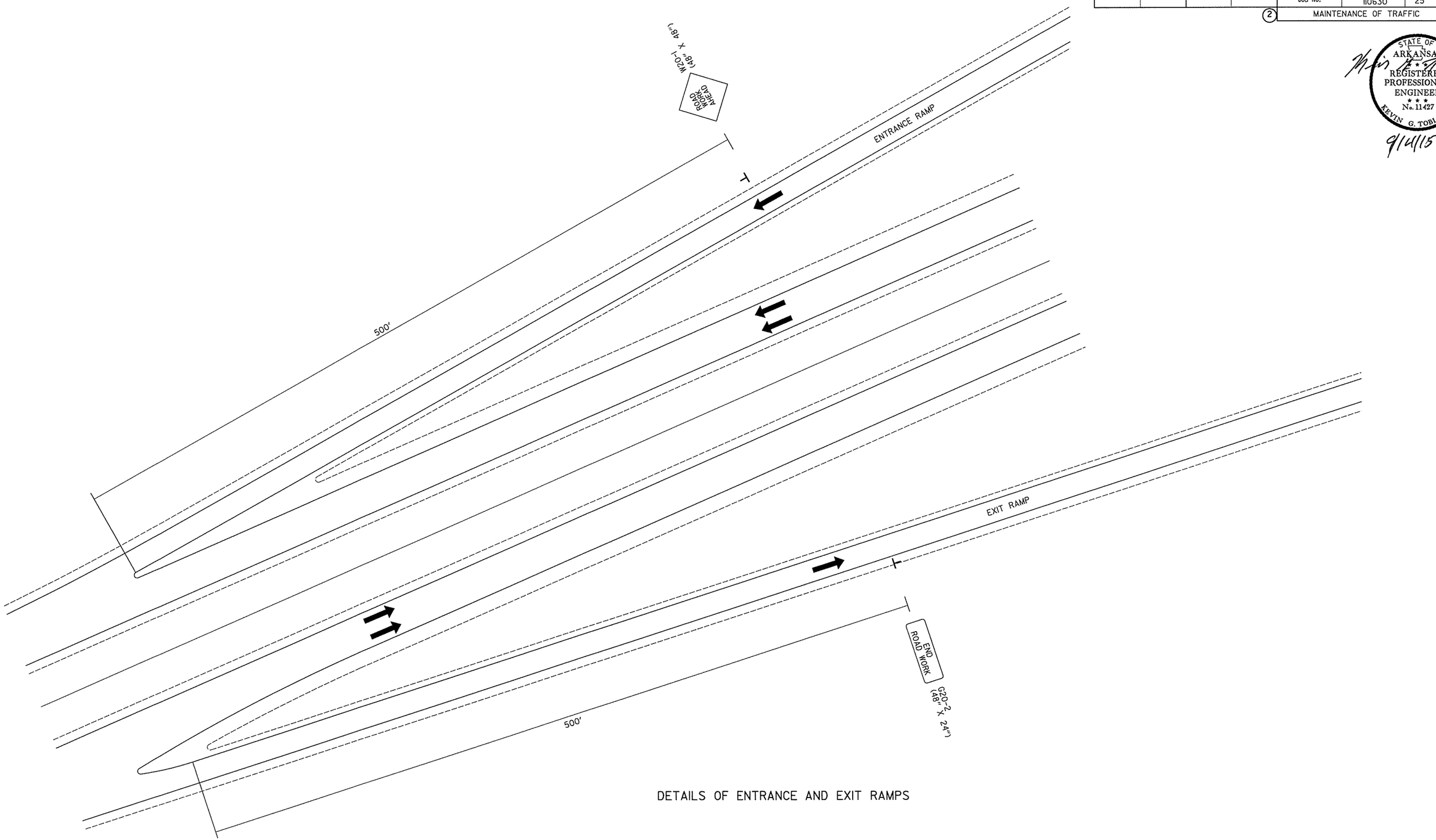
LANE CLOSURES FOR MAINTENANCE OF TRAFFIC

JACOBS

9/14/2015 9:18:53 AM ...\104mot advance warning sign.dgn T:\Job\WLXM2600 AHTD On-Call 2011\Tasks\77777 Roadway\Drawings\104mot advance warning sign.dgn

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	25	54
				(2)	MAINTENANCE OF TRAFFIC			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15



DETAILS OF ENTRANCE AND EXIT RAMPS

MAINTENANCE OF TRAFFIC
ADVANCE WARNING SIGNS

JACOBS

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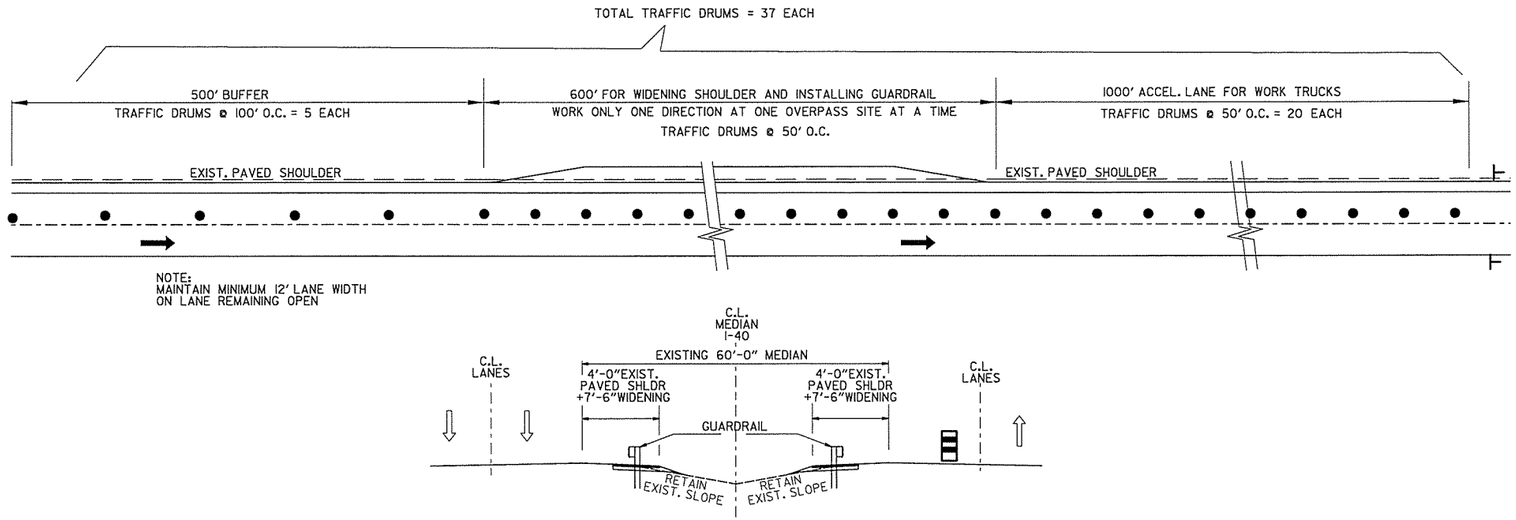
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	26	54
				(2)	MAINTENANCE OF TRAFFIC			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSY
9/14/15

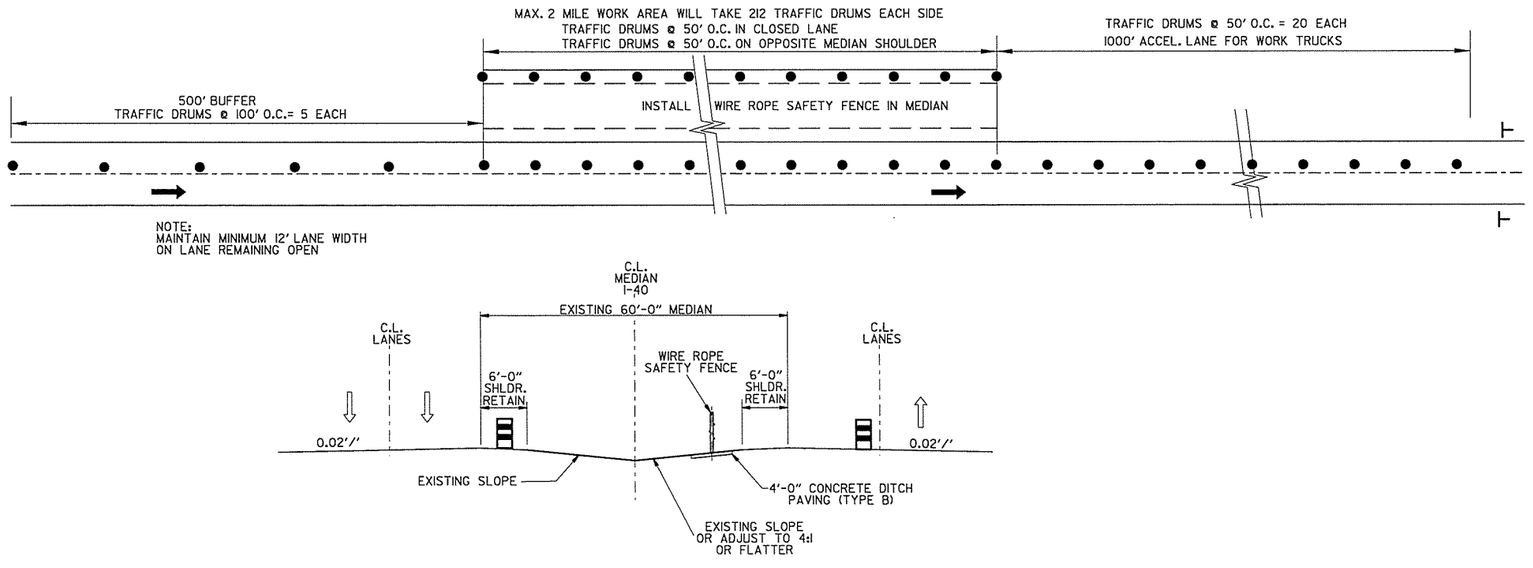


SPEED LIMIT 60

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

MOVABLE WORK ZONE FOR GUARDRAIL INSTALLATION

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



SPEED LIMIT 60

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

MOVABLE WORK ZONE FOR WRSF INSTALLATION

MAINTENANCE OF TRAFFIC WRSF INSTALLATION WORK AREAS

JACOBS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	27	54
				(2)	QUANTITIES			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

REMOVAL AND DISPOSAL OF ITEMS

STATION	SIDE	LOCATION	IMPACT ATTENUATION BARRIER
			EACH
4590+00	MEDIAN	C.L. MEDIAN I-40	2
4716+00	MEDIAN	C.L. MEDIAN I-40	2
5091+49	MEDIAN	C.L. MEDIAN I-40	2
5171+75	MEDIAN	C.L. MEDIAN I-40	2
5239+07	MEDIAN	C.L. MEDIAN I-40	2
TOTAL:			10

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	WIRE ROPE SAFETY FENCE INSTALLATION	TOTAL SIGNS REQUIRED		TRAFFIC DRUMS	PORTABLE CHANGEABLE MESSAGE SIGN	ADVANCE WARNING ARROW PANEL
			EACH	NO.	SQ. FT.	EACH	WEEK	DAY
G20-1	ROAD WORK NEXT xx MILES	60"x24"	2	2	20.0			
G20-2	END ROAD WORK	48"x24"	10	10	80.0			
R2-1	SPEED LIMIT (ADVISORY)	48"x60"	4	4	80.0			
W3-5	REDUCED SPEED AHEAD	48"x60"	2	2	40.0			
R4-1	DO NOT PASS	48"x60"	4	4	80.0			
R55-1	FINES DOUBLE IN WORK ZONES WHEN WORKERS ARE PRESENT	36"x60"	4	4	60.0			
W1-6	LARGE ARROW	60"x30"	6	6	75.0			
W20-1	ROAD WORK 1 MILE	48"x48"	4	4	64.0			
W20-1	ROAD WORK 1/2 MILE	48"x48"	4	4	64.0			
W20-1	ROAD WORK 1500 FT.	48"x48"	4	4	64.0			
W20-1	ROAD WORK AHEAD	48"x48"	8	8	128.0			
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2	2	32.0			
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2	2	32.0			
W20-5	RIGHT LANE CLOSED 1500 FT	48"x48"	2	2	32.0			
W4-2 RT	RIGHT LANE MERGE	48"x48"	2	2	32.0			
SPECIAL	MERGE NOW	48"x48"	1	1	16.0			
	TRAFFIC DRUMS		502			502		
	PORTABLE CHANGEABLE MESSAGE SIGN		2				40	
	ADVANCE WARNING ARROW PANEL		1					85
TOTALS:					899.0	502	40	85

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

BASE AND SURFACING

STATION	STATION	LOCATION	AGGREGATE BASE COURSE (CLASS 7)		ACHM SURFACE COURSE (1/2")			
			TON / STATION	TON	AVG. WIDTH FEET	SQ.YD.	POUND / SQ.YD.	PG 64-22 TON
ADDITIONAL								
ENTIRE PROJECT		GUARDRAIL WIDENING	VAR.	1217.22	VAR.	1159.26	220	127.52
TOTALS:				1217.22		1159.26		127.52

BASIS OF ESTIMATE:
ACHM SURFACE COURSE (1/2").....94.3% MIN. AGGR.....5.7% ASPHALT BINDER
MAXIMUM NUMBER OF GYRATIONS = 115 FOR PG 64-22

EARTHWORK

STATION	STATION	LOCATION / DESCRIPTION	*UNCLASSIFIED EXCAVATION	*COMPACTED EMBANKMENT
			CU. YD.	
ENTIRE PROJECT		WIDENING FOR GUARDRAIL	1120	140
TOTALS:			1120	140

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

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.

GUARDRAIL

STATION	STATION	SIDE	LOCATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POSTS (TYPE 1)
				LIN. FT.	EACH	
4586+00.00	4591+00.00	LEFT	RIGHT MAIN LANES I-40	450	1	1
4589+00.00	4594+00.00	RIGHT	LEFT MAIN LANES I-40	450	1	1
4712+00.00	4717+00.00	LEFT	RIGHT MAIN LANES I-40	450	1	1
4715+00.00	4720+00.00	RIGHT	LEFT MAIN LANES I-40	450	1	1
5087+49.00	5092+49.00	LEFT	RIGHT MAIN LANES I-40	450	1	1
5090+49.00	5095+49.00	RIGHT	LEFT MAIN LANES I-40	450	1	1
5168+00.00	5173+00.00	LEFT	RIGHT MAIN LANES I-40	450	1	1
5170+51.00	5175+51.00	RIGHT	LEFT MAIN LANES I-40	450	1	1
5235+32.80	5240+32.80	LEFT	RIGHT MAIN LANES I-40	450	1	1
5237+82.80	5242+82.80	RIGHT	LEFT MAIN LANES I-40	450	1	1
TOTALS:				4500	10	10

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	28	54
				(2)		QUANTITIES		

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

PERMANENT EROSION CONTROL

STATION	STATION	LOCATION / DESCRIBTION	SEEDING	LIME	MULCH COVER	WATER
			ACRE	TON	ACRE	M. GAL.
*ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.			3.00	6.00	3.00	306.0
TOTALS:			3.00	6.00	3.00	306.0

BASIS OF ESTIMATE:
LIME .....2 TONS / ACRE OF SEEDING
WATER.....102.0 M.G. / ACRE OF SEEDING

NOTE: THE PERMANENT 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.

CONCRETE DITCH PAVING FOR WRSF

STATION	STATION	SIDE	LOCATION	LENGTH	"B"	CONCRETE DITCH PAVING (TYPE B)	SOLID SODDING	WATER
				LIN. FT.	FEET	SQ. YD.	SQ. YD.	M. GAL.
4436+00	4467+64	LEFT	RIGHT MAIN LANES - I-40	3164	4	1406.22	1406.22	17.72
4467+70	4510+00	LEFT	RIGHT MAIN LANES - I-40	4230	4	1880.00	1880.00	23.69
4549+50	4589+50	RIGHT	LEFT MAIN LANES - I-40	4000	4	1777.78	1777.78	22.40
4590+50	4667+78	LEFT	RIGHT MAIN LANES - I-40	7728	4	3434.67	3434.67	43.28
4668+22	4715+50	RIGHT	LEFT MAIN LANES - I-40	4728	4	2101.33	2101.33	26.48
4716+50	4787+97	LEFT	RIGHT MAIN LANES - I-40	7147	4	3176.44	3176.44	40.02
4802+11	4828+34	LEFT	RIGHT MAIN LANES - I-40	2623	4	1165.78	1165.78	14.69
4831+21	4868+80	LEFT	RIGHT MAIN LANES - I-40	3759	4	1670.67	1670.67	21.05
4872+08	4917+42	LEFT	RIGHT MAIN LANES - I-40	4534	4	2015.11	2015.11	25.39
4920+48	4998+64	LEFT	RIGHT MAIN LANES - I-40	7816	4	3473.78	3473.78	43.77
5001+14	5007+66	LEFT	RIGHT MAIN LANES - I-40	652	4	289.78	289.78	3.65
5010+57	5055+33	LEFT	RIGHT MAIN LANES - I-40	4476	4	1989.33	1989.33	25.07
5057+98	5088+24	LEFT	RIGHT MAIN LANES - I-40	3026	4	1344.89	1344.89	16.95
5132+24	5168+51	LEFT	RIGHT MAIN LANES - I-40	3627	4	1612.00	1612.00	20.31
5172+51	5197+50	LEFT	RIGHT MAIN LANES - I-40	2499	4	1110.67	1110.67	13.99
5227+75	5238+33	RIGHT	LEFT MAIN LANES - I-40	1058	4	470.22	470.22	5.92
5242+33	5385+58	RIGHT	LEFT MAIN LANES - I-40	14325	4	6366.67	6366.67	80.22
TOTALS:						35285.34	35285.34	444.60

BASIS OF ESTIMATE:
WATER.....12.6 GAL. / SQ. YD. OF SOLID SODDING

TEMPORARY EROSION CONTROL ITEMS AND DEVICES

STATION	STATION	LOCATION	SAND BAG DITCH CHECKS	ROCK DITCH CHECKS	DROP INLET SILT FENCE	SILT FENCE	*SEDIMENT REMOVAL & DISPOSAL
			(E-5)	(E-6)	(E-7)	(E-11)	
			BAG	CU. YD.	LIN. FT.	LIN. FT.	CU. YD.
ENTIRE	PROJECT	PRIOR TO CONSTRUCTION			1488	510	74
*ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.			440	180	372	128	19
TOTALS:			440	180	1860	638	93

BASIS OF ESTIMATE:
SAND BAG DITCH CHECKS.....22 BAGS / LOCATION
ROCK DITCH CHECKS.....3 CU.YD./LOCATION

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

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

WIRE ROPE SAFETY FENCE

STATION	STATION	SIDE	LOCATION	LENGTH	*ANCHOR	MAINTENANCE MATERIALS
				LIN. FT.	EACH	LUMP SUM
4436+00	4467+64	LEFT	RIGHT MAIN LANES - I-40	3164	2	
4467+70	4510+00	LEFT	RIGHT MAIN LANES - I-40	4230	2	
4549+50	4589+50	RIGHT	LEFT MAIN LANES - I-40	4000	2	
4590+50	4667+78	LEFT	RIGHT MAIN LANES - I-40	7728	2	
4668+22	4715+50	RIGHT	LEFT MAIN LANES - I-40	4728	2	
4716+50	4787+97	LEFT	RIGHT MAIN LANES - I-40	7147	2	
4802+11	4828+34	LEFT	RIGHT MAIN LANES - I-40	2623	2	
4831+21	4868+80	LEFT	RIGHT MAIN LANES - I-40	3759	2	
4872+08	4917+42	LEFT	RIGHT MAIN LANES - I-40	4534	2	
4920+48	4998+64	LEFT	RIGHT MAIN LANES - I-40	7816	2	
5001+14	5007+66	LEFT	RIGHT MAIN LANES - I-40	652	2	
5010+57	5055+33	LEFT	RIGHT MAIN LANES - I-40	4476	2	
5057+98	5088+24	LEFT	RIGHT MAIN LANES - I-40	3026	2	
5132+24	5168+51	LEFT	RIGHT MAIN LANES - I-40	3627	2	
5172+51	5197+50	LEFT	RIGHT MAIN LANES - I-40	2499	2	
5227+75	5238+33	RIGHT	LEFT MAIN LANES - I-40	1058	2	
5242+33	5385+58	RIGHT	LEFT MAIN LANES - I-40	14325	2	
ENTIRE PROJECT						1.00
TOTALS:				79392	34	1.00

*NOTE: THIS ITEM SHOWN FOR INFORMATION ONLY.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	29	54
				(2)	SUMMARY OF QUANTITIES AND REVISIONS			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
202	REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIER	10	EACH
210	UNCLASSIFIED EXCAVATION	1120	CU. YD.
210	COMPACTED EMBANKMENT	140	CU. YD.
303	AGGREGATE BASE COURSE (CLASS 7)	1217	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	121	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2")	7	TON
601	MOBILIZATION	1.00	LUMP SUM
603	TRAFFIC CONTROL SUPERVISOR	1.00	LUMP SUM
SP & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	899	SQ. FT.
SS & 604	TRAFFIC DRUMS	502	EACH
604	ADVANCE WARNING ARROW PANEL	85	DAY
SP & 604	PORTABLE CHANGEABLE MESSAGE SIGN	40	WEEK
SP & 605	CONCRETE DITCH PAVING (TYPE B)	35285	SQ. YD.
617	GUARDRAIL (TYPE A)	4500	LIN. FT.
617	TERMINAL ANCHOR POSTS (TYPE 1)	10	EACH
617	GUARDRAIL TERMINAL (TYPE 2)	10	EACH
SP	WIRE ROPE SAFETY FENCE	79392	LIN. FT.
SP	WIRE ROPE SAFETY FENCE MAINTENANCE MATERIALS	1.00	LUMP SUM
620	LIME	6	TON
620	SEEDING	3.00	ACRE
SS & 620	MULCH COVER	3.00	ACRE
620	WATER	750.6	M.GAL.
621	SILT FENCE	638	LIN. FT.
621	SAND BAG DITCH CHECKS	440	BAG
621	DROP INLET SILT FENCE	1860	LIN. FT.
621	SEDIMENT REMOVAL AND DISPOSAL	93	CU. YD.
621	ROCK DITCH CHECKS	180	CU. YD.
624	SOLID SODDING	35285	SQ. YD.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM

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
				6	ARK.			
				JOB NO.		110630	30	54

(2) PLAN SHEET- STA. 4405+00 TO STA. 4465+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4405 4410 4415 4420 4425 4430 4435

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W & C OF A

N53°33'00"E ℄ I-40

STA. 4434+72
END WRSF - RETAIN
JOB BB0105

EXIST. R/W & C OF A

4435 4440 4445 4450 4455 4460 4465

HWY. 38

STA. 4436+00.00
BEGIN JOB 110630
LOG MILE 247.05

STA. 4436+00
BEGIN WRSF

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W & C OF A

24' 60' 24'

N53°33'00"E ℄ I-40

24' 60' 24'

EXIST. R/W & C OF A

GUARDRAIL IN PLACE - RETAIN

STA. 4431+45 TO STA. 4436+45	LT. OF R.M.L.	500 LIN. FT.
STA. 4434+40 TO STA. 4439+40	RT. OF L.M.L.	500 LIN. FT.

STA. 4441+12 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0")
6' X 4' X 258' R.C. BOX CULVERT
RETAIN

STA. 4449+00 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
24' X 108' R.C. PIPE OUTLET W/HDWL
RETAIN

STA. 4457+00 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
24' X 100' R.C. PIPE OUTLET W/HDWL
RETAIN

STA. 4465+00 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
30" X 92' R.C. PIPE OUTLET W/HDWL
UNDER LT. MAIN LANES &
30" X 100' R.C. PIPE OUTLET W/HDWL
RETAIN

JACOBS

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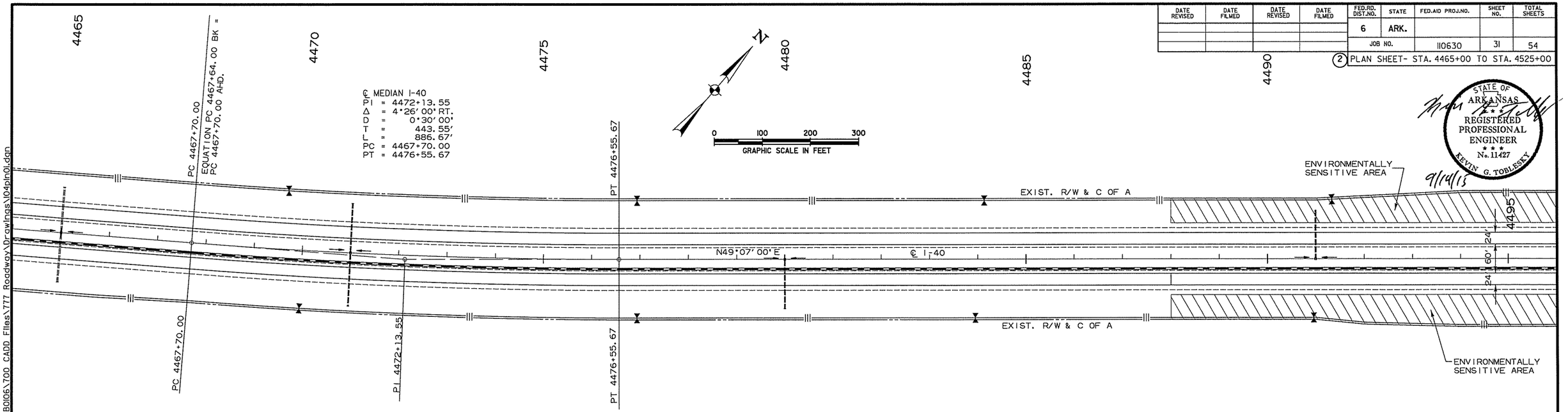
				6	ARK.			
				JOB NO.		110630	31	54

(2) PLAN SHEET- STA. 4465+00 TO STA. 4525+00

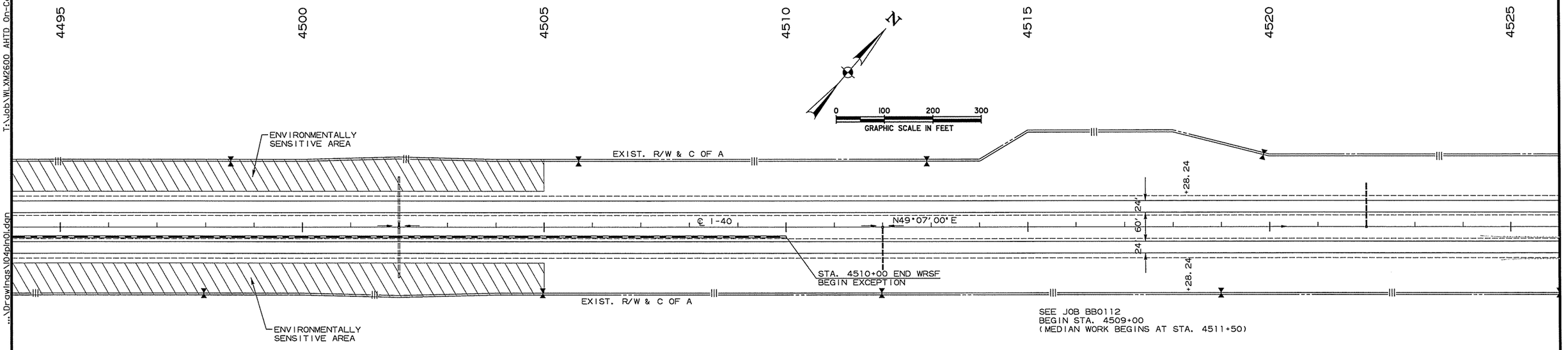
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15



STA. 4471+00 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
24' X 100' R.C. PIPE OUTLET W/HDWL
UNDER LT. MAIN LANES &
24' X 108' R.C. PIPE OUTLET W/HDWL
RETAIN

STA. 4480+00 IN PLACE
TYPE M DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
24' X 100' R.C. PIPE OUTLET W/HDWL
RETAIN

STA. 4491+00 IN PLACE
TYPE H DROP INLET IN MEDIAN
(4'-0" X 3'-0" X H=3'-6")
24' X 108' R.C. PIPE OUTLET W/HDWL
RETAIN



SEE JOB BB0112
BEGIN STA. 4509+00
(MEDIAN WORK BEGINS AT STA. 4511+50)

STA. 4502+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X 4'-8" X 9'-0")
36" X 208' R.C. PIPE CULVERT
RETAIN

STA. 4512+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X 4'-0" X 2'-10")
24" X 88' R.C. PIPE CULVERT
RETAIN

STA. 4522+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X 4'-0" X 2'-10")
24" X 90' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	32	54

(2) PLAN SHEET- STA. 4525+00 TO STA. 4585+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

4525 4530 4535 4540 4545 4550 4555

FISHING LAKE

STA. 4538+25 IN PLACE
TYPE K DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X3'-0" X5'-0")
5' X4' X294' R.C. BOX CULVERT
45° SKEW
RETAIN

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

EXIST. B.E. 4532+02.09

EXIST. B.E. 4527+79.91

EXIST. BR. 3882A

EXIST. BR. 3882B

EXIST. B.E. 4527+67.66

+78.24

+91.50

EXIST. B.E. 4531+89.84

100 YR. FLOODPLAIN LIMIT

+41.50

EXIST. R/W & C OF A

℄ I-40

N49°07'00"E

STA. 4549+50 BEGIN WRSF
END EXCEPTION

60

24

24

+41.50

EXIST. R/W & C OF A

EQ. 4539+00.00 BK. =
4538+00.00 AHD.

GUARDRAIL - RETAIN

STA. 4525+42	TO STA. 4527+42	RT. OF R.M.L.	= 200 LIN. FT.
STA. 4525+42	TO STA. 4527+42	LT. OF R.M.L.	= 200 LIN. FT.
STA. 4532+28	TO STA. 4534+28	LT. OF L.M.L.	= 200 LIN. FT.
STA. 4532+28	TO STA. 4535+28	RT. OF L.M.L.	= 200 LIN. FT.

STA. 4549+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X5'-10" X8'-7")
30° X204' R.C. PIPE CULVERT
RETAIN

4555 4560 4565 4570 4575 4580 4585

N

0 100 200 300
GRAPHIC SCALE IN FEET

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W & C OF A

℄ I-40

N49°07'00"E

60

24

24

EXIST. R/W & C OF A

ENVIRONMENTALLY SENSITIVE AREA

STA. 4557+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24' X90' R.C. PIPE CULVERT
RETAIN

STA. 4566+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24' X88' R.C. PIPE CULVERT
RETAIN

STA. 4575+45 IN PLACE
TYPE K DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X5'-11")
6' X4' X233' R.C. BOX CULVERT
30° RT FWD SKEW
RETAIN

STA. 4583+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X240')
24' X90' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	33	54

(2) PLAN SHEET- STA. 4585+00 TO STA. 4645+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

STA. 4588+80 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X7'-9")
24"X196' R.C. PIPE CULVERT
RETAIN

STA. 4601+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-8"X7'-3")
36"X194' R.C. PIPE CULVERT
RETAIN

100 YR. FLOODPLAIN LIMIT

GRAPHIC SCALE IN FEET 0 100 200 300

STA. 4589+50
END WRSF

STA. 4590+50
BEGIN WRSF

EXIST. R/W & C OF A

℄ I-40

N49°07'00"E

PC 4590+39.35

COUNTY ROAD 41

EXIST. R/W & C OF A

PI 4609+22.70

EXIST. R/W

FRONTAGE ROAD

EXIST. C of A

24' 60' 24'

REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 4590+00.00 MEDIAN = 2 EACH

C.L. MEDIAN
PI = 4609+22.70
Δ = 18°40'00" RT.
D = 0°30'00"
T = 1883.35'
L = 3733.33'
PC = 4590+39.35
PT = 4627+72.68

GUARDRAIL - RETAIN
STA. 4587+56 TO STA. 4589+81 RT. OF R.M.L. = 225 LIN. FT.
STA. 4590+19 TO STA. 4592+44 LT. OF L.M.L. = 225 LIN. FT.

GUARDRAIL INSTALLATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
STA. 4586+00.00 TO STA. 4591+00.00 LT. OF R.M.L.	= 450 LIN. FT.	1 EACH	1 EACH
STA. 4589+00.00 TO STA. 4594+00.00 RT. OF L.M.L.	= 450 LIN. FT.	1 EACH	1 EACH

STA. 4609+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X5'-9")
24"X98' R.C. PIPE CULVERT
RETAIN

LT. FRONTAGE ROAD
STA. 4619+00 IN PLACE
TYPE K DROP INLET
(2 OPENINGS)
(4'-0"X4'-0"X2'-3")
4'X3' R.C. BOX CULVERT
RETAIN

LT. FRONTAGE ROAD
STA. 4636+00 IN PLACE
TYPE H DROP INLET
(2 OPENINGS)
(4'-0"X4'-0"X3'-10")
36"X52' R.C. PIPE CULVERT
RETAIN

GRAPHIC SCALE IN FEET 0 100 200 300

EXIST. R/W

FRONTAGE ROAD

EXIST. C OF A

℄ I-40

N67°47'00"E

24' 60' 24'

EXIST. R/W & C OF A

PT 4627+72.68

STA. 4619+00 IN PLACE
TYPE H DROP INLET
(2 OPENINGS)
(4'-0"X4'-0"X7'-3")
4'X3'X270' R.C. BOX CULVERT
RETAIN

STA. 4628+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X6'-4")
24"X95' R.C. PIPE CULVERT
RETAIN

STA. 4636+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-5")
36"X202' R.C. PIPE CULVERT
RETAIN

JACOBS

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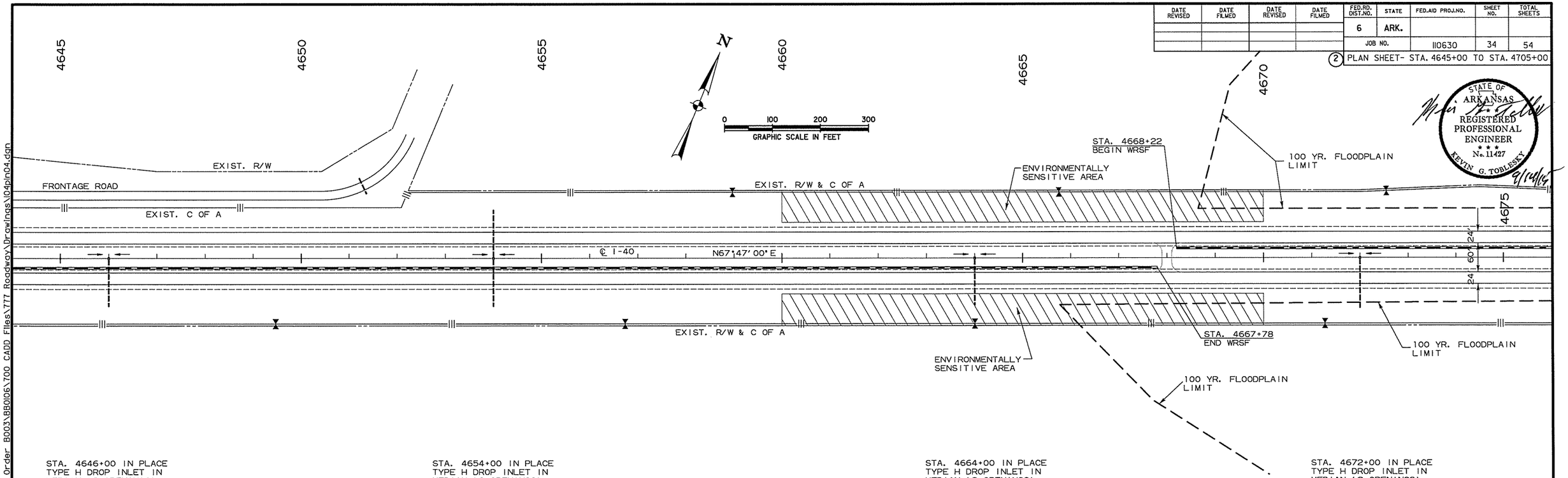
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	34	54
				(2) PLAN SHEET- STA. 4645+00 TO STA. 4705+00				

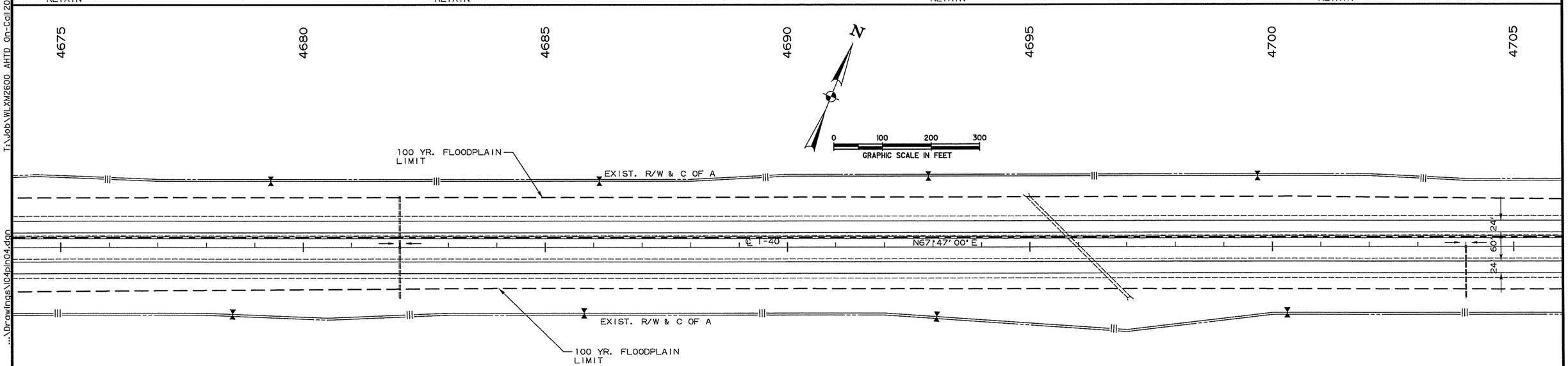


STA. 4646+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X5'-5")
24" X100' R.C. PIPE CULVERT
RETAIN

STA. 4654+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X8'-0")
24" X204' R.C. PIPE CULVERT
RETAIN

STA. 4664+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-5")
24" X56' R.C. PIPE CULVERT
RETAIN

STA. 4672+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X5'-4")
24" X100' R.C. PIPE CULVERT
RETAIN



STA. 4682+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X8'-9")
30" X210' R.C. PIPE CULVERT
RETAIN

STA. 4696+00 IN PLACE
TYPE K DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X5'-0")
DBL 6' X5' X294' R.C. BOX CULVERT
45° RT SKEW
RETAIN

STA. 4704+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X6'-4")
24" X106' R.C. PIPE CULVERT
RETAIN

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	35	54

(2) PLAN SHEET- STA. 4705+00 TO STA. 4765+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSY
9/14/15

4705 4710 4715 4720 4725 4730 4735

N

0 100 200 300
GRAPHIC SCALE IN FEET

15

COUNTY ROAD 22 (HICKS STATION UNDERPASS)

10

EXIST. R/W & C OF A

STA. 4715+50 END WRSF

STA. 4716+50 BEGIN WRSF

EXIST. R/W & C OF A

EXIST. R/W & C OF A

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

100 YR. FLOODPLAIN LIMIT

℄ I-40

N67°47'00"E

24' 60' 24'

GUARDRAIL INSTALLATION

	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
STA. 4712+00.00 TO STA. 4717+00.00 LT. OF R.M.L.	450 LIN. FT.	1 EACH	1 EACH
STA. 4715+00.00 TO STA. 4720+00.00 RT. OF L.M.L.	450 LIN. FT.	1 EACH	1 EACH

GUARDRAIL - RETAIN

STA. 4713+56 TO STA. 4715+81 RT. OF R.M.L. = 225 LIN. FT.
STA. 4716+19 TO STA. 4718+44 LT. OF L.M.L. = 225 LIN. FT.

REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 4716+00.00 MEDIAN = 2 EACH

STA. 4712+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X6'-3")
24"X102' R.C. PIPE CULVERT
RETAIN

STA. 4722+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-3")
24'X88' R.C. PIPE CULVERT
RETAIN

STA. 4732+00 IN PLACE
TYPE K DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-3")
3'X4'X196' R.C. BOX CULVERT
RETAIN

4735 4740 4745 4750 4755 4760 4765

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W & C OF A

EXIST. R/W

FRONTAGE ROAD

EXIST. C OF A

℄ I-40

N67°47'00"E

24' 60' 24'

EXIST. R/W & C OF A

STA. 4742+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X88' R.C. PIPE CULVERT
RETAIN

STA. 4754+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X88' R.C. PIPE CULVERT
RETAIN

STA. 4765+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X84' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	36	54
				(2) PLAN SHEET- STA. 4765+00 TO STA. 4825+00				

4765 4770 4775 4780 4785 4790 4795

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W
FRONTAGE ROAD
EXIST. C OF A
EXIST. R/W & C OF A
N67°47' 00" E
℄ I-40
EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT
ENVIRONMENTALLY SENSITIVE AREA
EXIST. B.E. 4789+28.91
EXIST. BR. A6938
EXIST. BR. B6938
STA. 4787+97 END WRSF
BEGIN EXCEPTION
ENVIRONMENTALLY SENSITIVE AREA
100 YR. FLOODPLAIN LIMIT
EXIST. B.E. 4790+78.91
BEAVER SLOUGH

24' 60' 24'

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

GUARDRAIL - RETAIN

STA. 4788+01 TO	STA. 4790+70	RT. OF R.M.L.	269 LIN. FT.
STA. 4787+51 TO	STA. 4790+70	LT. OF R.M.L.	319 LIN. FT.

STA. 4765+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X84' R.C. PIPE CULVERT
RETAIN

STA. 4778+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X84' R.C. PIPE CULVERT
RETAIN

STA. 4789+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-10")
24"X108' R.C. PIPE CULVERT
RETAIN

4795 4800 4805 4810 4815 4820 4825

STA. 4802+00 IN PLACE
24"X120' R.C. PIPE CULVERT
RETAIN

STA. 4804+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X6'-2")
24"X120' R.C. PIPE CULVERT
RETAIN

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. B.E. 4800+61.09
EXIST. BR. A6938
EXIST. BR. B6938
STA. 4802+11 BEGIN WRSF
END EXCEPTION
EXIST. B.E. 4802+11.09
100 YR. FLOODPLAIN LIMIT
100 YR. FLOODPLAIN LIMIT
EXIST. R/W & C OF A
℄ I-40
N67°47' 00" E
EXIST. R/W & C OF A
BEAVER SLOUGH

24' 60' 24'

GUARDRAIL - RETAIN

STA. 4800+70 TO STA. 4803+39	LT. OF L.M.L.	269 LIN. FT.
STA. 4800+70 TO STA. 4803+89	RT. OF L.M.L.	319 LIN. FT.

STA. 4816+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-10")
24"X104' R.C. PIPE CULVERT
RETAIN

STA. 4823+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0"X4'-0"X7'-7")
24"X108' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	37	54
				(2) PLAN SHEET- STA. 4825+00 TO STA. 4885+00				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSEY
9/14/15

C.L. MEDIAN
PI = 4830+78.60
Δ = 33°00' LT.
D = 0°30'00"
T = 155.01'
L = 310.00'
PC = 4829+23.59
PT = 4832+33.59

4825 4830 4835 4840 4845 4850

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W & C OF A
PC 4829+23.59
EXIST. R/W
COUNTY RD. 15
EXIST. R/W
EX. C OF A
EX. C OF A
PT 4832+33.59
B.E. 4830+37.04
B.E. 4831+56.85
100 YR. FLOODPLAIN LIMIT
EXIST. R/W & C OF A
3875A
N67°47'00"E
℄ I-40
N66°14'00"E
3875B
STA. 4828+34 END WRSF
BEGIN EXCEPTION
B.E. 4830+01.91
STA. 4831+21 BEGIN WRSF
END EXCEPTION
B.E. 4831+20.80
PI 4830+78.60
EX. C OF A
EX. C OF A
100 YR. FLOODPLAIN LIMIT
EXIST. R/W & C OF A
EXIST. R/W
EXIST. R/W
4855
60'
24'
24'

GUARDRAIL - RETAIN

STA. 4827+22	TO STA. 4829+87	RT. OF R.M.L.	= 265 LIN. FT.
STA. 4827+83	TO STA. 4830+08	LT. OF R.M.L.	= 225 LIN. FT.
STA. 4831+50	TO STA. 4833+75	RT. OF L.M.L.	= 225 LIN. FT.
STA. 4831+72	TO STA. 4834+37	LT. OF L.M.L.	= 265 LIN. FT.

STA. 4840+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0" X4'-0" X5'-6")
24" X96' R.C. PIPE CULVERT
RETAIN

STA. 4846+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-4")
24" X92' R.C. PIPE CULVERT
RETAIN

4855 4860 4865 4870 4875 4880 4885

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT
ENVIRONMENTALLY SENSITIVE AREA
STA. 4868+80 END WRSF
BEGIN EXCEPTION
100 YR. FLOODPLAIN LIMIT
LITTLE BEVENS BAYOU
EXIST. R/W & C OF A
EXIST. R/W & C OF A
B.E. 4871+28.00
EXIST. C OF A
EXIST. C OF A
B.E. 4872+78.00
3876A
℄ I-40
N66°14'00"E
3876B
24'
60'
24'
EXIST. R/W & C OF A
EXIST. R/W & C OF A
ENVIRONMENTALLY SENSITIVE AREA
EXIST. C OF A
EXIST. C OF A
B.E. 4870+40.00
STA. 4872+08 BEGIN WRSF
END EXCEPTION
B.E. 4871+90.00
EXIST. R/W & C OF A
100 YR. FLOODPLAIN LIMIT

GUARDRAIL - RETAIN

STA. 4867+93	TO STA. 4870+18	RT. OF R.M.L.	= 225 LIN. FT.
STA. 4868+31	TO STA. 4870+56	LT. OF R.M.L.	= 225 LIN. FT.
STA. 4872+62	TO STA. 4874+87	RT. OF L.M.L.	= 225 LIN. FT.
STA. 4873+00	TO STA. 4875+25	LT. OF L.M.L.	= 225 LIN. FT.

STA. 4858+00 IN PLACE
TYPE K DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-6")
4' X3' X194' R.C. BOX CULVERT
RETAIN

STA. 4868+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0" X4'-0" X5'-10")
24" X120' R.C. PIPE CULVERT
RETAIN

STA. 4877+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENING)
(4'-0" X4'-0" X2'-10")
24" X84' R.C. PIPE CULVERT
RETAIN

STA. 4885+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0" X4'-0" X2'-10")
24" X84' R.C. PIPE CULVERT
RETAIN

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	38	54

(2) PLAN SHEET- STA. 4885+00 TO STA. 4945+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSEY
9/14/15

STA. 4891+50 IN PLACE
48" X230' R.C. PIPE CULVERT
RETAIN

4885 4890 4895 4900 4905 4910 4915

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

ENVIRONMENTALLY SENSITIVE AREA

300' TAPER

700' ACCELERATION LANE

EXIST. R/W & C OF A

RAMP 1

24' 60' 36' 24'

℄ I-40 N66°14'00"E

24' 60' 24'

ENVIRONMENTALLY SENSITIVE AREA

EXIST. R/W & C OF A

RAMP 2

100 YR. FLOODPLAIN LIMIT

STA. 4885+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0"X4'-0"X2'-10")
24'X84' R.C. PIPE CULVERT
RETAIN

STA. 4894+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-1")
24'X94' R.C. PIPE CULVERT
RETAIN

STA. 4903+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-11")
24'X100' R.C. PIPE CULVERT
RETAIN

STA. 4909+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-11")
24'X84' R.C. PIPE CULVERT
RETAIN

STA. 4913+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-4"X7'-6")
24'X106' R.C. PIPE CULVERT
RETAIN

4915 4920 4925 4930 4935 4940 4945

STA. 4927+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0"X4'-0"X6'-4")
24'X95' R.C. PIPE CULVERT
RETAIN

HWY 75

10

5

RAMP 3

EXIST. R/W & C OF A

RAMP 1

B.E. 4919+49.71

STA. 4917+42 END WRSF
BEGIN EXCEPTION

B.E. 4920+87.06

3877A

3877B

℄ I-40 N66°14'00"E

B.E. 4919+11.14

STA. 4920+48 BEGIN WRSF
END EXCEPTION

B.E. 4920+48.49

RAMP 2

RAMP 4

EXIST. R/W & C OF A

24' 60' 24'

24' 60' 24'

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

700' ACCELERATION LANE

300' TAPER

100 YR. FLOODPLAIN LIMIT

GUARDRAIL - RETAIN

STA. 4916+78	TO STA. 4919+03	RT. OF R.M.L.	= 225 LIN. FT.
STA. 4916+93	TO STA. 4919+18	LT. OF R.M.L.	= 225 LIN. FT.
STA. 4920+80	TO STA. 4923+05	RT. OF L.M.L.	= 225 LIN. FT.
STA. 4920+95	TO STA. 4923+20	LT. OF L.M.L.	= 225 LIN. FT.

STA. 4933+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0"X4'-0"X3'-6")
24'X116' R.C. PIPE CULVERT
RETAIN

STA. 4938+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENING)
(4'-0"X4'-0"X3'-0")
24'X88' R.C. PIPE CULVERT
RETAIN

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	39	54
				(2) PLAN SHEET- STA. 4945+00 TO STA. 5005+00				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSY
9/14/15

STA. 4960+40 IN PLACE
(4'-0" X3'-0" X312')
45° RT FWD SKEW
RETAIN

4945 4950 4955 4960 4965 4970 4975

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

EXIST. R/W & C OF A

℄ I-40

24' 60' 24'

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 4948+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X5'-4")
24' X94' R.C. PIPE CULVERT
RETAIN

STA. 4958+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X7'-8")
24' X108' R.C. PIPE CULVERT
RETAIN

STA. 4968+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (4'-0" X4'-0" X3'-10")
24' X88' R.C. PIPE CULVERT
RETAIN

STA. 4975+75 IN PLACE
TYPE H DROP INLET IN
MEDIAN (4'-0" X4'-0" X8'-0")
30' X200' R.C. PIPE CULVERT
RETAIN

STA. 4975+75 IN PLACE
TYPE H DROP INLET IN
MEDIAN (4'-0" X4'-0" X8'-0")
30' X200' R.C. PIPE CULVERT
RETAIN

4975 4980 4985 4990 4995 5000 5005

100 YR. FLOODPLAIN LIMIT

GUARDRAIL - RETAIN

STA. 4998+14	TO STA. 5000+39	RT. OF R.M.L.	= 225 LIN. FT.
STA. 4998+14	TO STA. 5000+39	LT. OF R.M.L.	= 225 LIN. FT.
STA. 5001+14	TO STA. 5003+39	RT. OF L.M.L.	= 225 LIN. FT.
STA. 5001+14	TO STA. 5003+39	LT. OF L.M.L.	= 225 LIN. FT.

N

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W & C OF A

℄ I-40

N66°14'00"E

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 4988+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (4'-0" X4'-0" X5'-0")
5' X3' X198' R.C. PIPE CULVERT
RETAIN

STA. 4996+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X6'-10")
30" X186' R.C. PIPE CULVERT
RETAIN

STA. 5002+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (1 OPENINGS)
(4'-0" X4'-0" X5'-2")
24' X98' R.C. PIPE CULVERT
RETAIN

100 YR. FLOODPLAIN LIMIT

B.E. 5000+39.00

ALLENS BAYOU

B.E. 5001+14.00

STA. 5001+14 BEGIN WRSF
END EXCEPTION

3878A

3878B

24' 60' 24'

B.E. 5000+39.00

B.E. 5001+14.00

STA. 4998+64 END WRSF
BEGIN EXCEPTION

100 YR. FLOODPLAIN LIMIT

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	40	54

(2) PLAN SHEET- STA. 5005+00 TO STA. 5065+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

5005 5010 5015 5020 5025 5030 5035

N

0 100 200 300
GRAPHIC SCALE IN FEET

B.E. 5009+43.41
STA. 5007+66 END WRSF
BEGIN EXCEPTION

B.E. 5010+56.59
STA. 5010+57 BEGIN WRSF
END EXCEPTION

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

3879A
20
3879B

N66°14'00"E

℄ I-40

B.E. 5009+43.41

B.E. 5010+56.59

EXIST. R/W & C OF A

PC 5022+14.00

24' 60' 24'

100 YR. FLOODPLAIN LIMIT

COUNTY ROAD

GUARDRAIL - RETAIN

STA. 5007+18	TO STA. 5009+43	RT. OF R.M.L.	= 225 LIN. FT.
STA. 5007+18	TO STA. 5009+43	LT. OF R.M.L.	= 225 LIN. FT.
STA. 5010+57	TO STA. 5012+82	RT. OF L.M.L.	= 225 LIN. FT.
STA. 5010+57	TO STA. 5012+82	LT. OF L.M.L.	= 225 LIN. FT.

STA. 5018+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (4'-0"X4'-0"X5'-4")
24"X98' R.C. PIPE CULVERT
RETAIN

STA. 5023+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-4")
24"X94' R.C. PIPE CULVERT
RETAIN

STA. 5032+25 IN PLACE
TYPE K DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-8")
5'X4'X194' R.C. BOX CULVERT
RETAIN

5035 5040 5045 5050 5055 5060 5065

N

PI 5043+06.81

0 100 200 300
GRAPHIC SCALE IN FEET

C.L. MEDIAN
PI = 5043+06.81
Δ = 20°42'00" RT.
D = 0°30'00"
T = 2092.81'
L = 4140.00'
PC = 5022+14.00
PT = 5063+54.00

STA. 5040+80 IN PLACE
36"X200' PIPE SIPHON
RETAIN

100 YR. FLOODPLAIN LIMIT

B.E. 5057+08.17

CANAL

B.E. 5057+97.83

STA. 5057+98 BEGIN WRSF
END EXCEPTION

EXIST. R/W & C OF A

N86°56'00"E

℄ I-40

3880A

3880B

B.E. 5057+07.83

B.E. 5057+98.17

EXIST. R/W & C OF A

STA. 5055+33 END WRSF
BEGIN EXCEPTION

100 YR. FLOODPLAIN LIMIT

24' 60' 24'

PT 5063+54.00

GUARDRAIL - RETAIN

STA. 5054+33	TO STA. 5057+08	RT. OF R.M.L.	= 275 LIN. FT.
STA. 5054+33	TO STA. 5057+08	LT. OF R.M.L.	= 275 LIN. FT.
STA. 5057+98	TO STA. 5060+23	RT. OF L.M.L.	= 225 LIN. FT.
STA. 5057+98	TO STA. 5060+23	LT. OF L.M.L.	= 225 LIN. FT.

STA. 5042+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-4")
24"X92' R.C. PIPE CULVERT
RETAIN

STA. 5052+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-10")
24"X96' R.C. PIPE CULVERT
RETAIN

STA. 5064+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X7'-8")
24"X104' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	41	54

(2) PLAN SHEET- STA. 5065+00 TO STA. 5125+00

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

N

0 100 200 300
GRAPHIC SCALE IN FEET

5065 5070 5075 5080 5085 5090 5095

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 5088+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-8")
24' X96' R.C. PIPE CULVERT
RETAIN

POT 5091+00.00

15

N86°56' 00" E

℄ I-40

24' 60' 24'

STA. 5088+24
END WRSF

EXIST. R/W & C OF A

100 YR. FLOODPLAIN LIMIT

STA. 5095+89
BEGIN EXCEPTION

COUNTY ROAD 410

10

GUARDRAIL INSTALLATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
STA. 5087+49.00 TO STA. 5092+49.00 LT. OF R.M.L.	450 LIN. FT.	1 EACH	1 EACH
STA. 5090+49.00 TO STA. 5095+49.00 RT. OF L.M.L.	450 LIN. FT.	1 EACH	1 EACH

REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 5091+49 MEDIAN = 2 EACH

STA. 5076+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X6'-0" X8'-1")
48' X196' R.C. PIPE CULVERT
RETAIN

N

0 100 200 300
GRAPHIC SCALE IN FEET

5095 5100 5105 5110 5115 5120 5125

STA. 5099+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X3'-5")
24' X90' R.C. PIPE CULVERT
RETAIN

100 YR. FLOODPLAIN LIMIT

STA. 5112+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-5")
24' X92' R.C. PIPE CULVERT
RETAIN

HWY. 149

STA. 5117+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X6'-9")
24' X108' R.C. PIPE CULVERT
RETAIN

EXIST. R/W & C OF A

RAMP 1

RAMP 2

ENVIRONMENTALLY SENSITIVE AREA

SHELL LAKE

EXIST. R/W & C OF A

EXIST. B.E. 5104+33.92

EXIST. B.E. 5110+12.08

300' TAPER

3.5

700' ACCELERATION LANE

EXIST. BR. 3900A

36'

24'

N86°56' 00" E

℄ I-40

24' 60' 24'

EXIST. BR. 3900B

EXIST. R/W & C OF A

EXIST. B.E. 5104+80.92

EXIST. B.E. 5110+59.08

SHELL LAKE

100 YR. FLOODPLAIN LIMIT

ENVIRONMENTALLY SENSITIVE AREA

RAMP 3

RAMP 4

310

EXIST. R/W & C OF A

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	42	54
				(2)	PLAN SHEET- STA. 5125+00 TO STA. 5185+00			

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSEY
9/14/15

STA. 5126+00 DROP INLET IN MEDIAN (2 OPENINGS) (4'-0" X4'-0" X5'-8") 24" X104' R.C. PIPE CULVERT RETAIN

5125 5130 5135 5140 5145 5150 5155

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

B.E. 5131+56.50

STA. 5131+57 END WRSF BEGIN EXCEPTION

RAMP 1

DITCH #22

B.E. 5132+31.50

STA. 5132+24 BEGIN WRSF END EXCEPTION

3902A

3902B

60' 24' 24' 36' 24' 60'

℄ I-40

N86°56' 00" E

B.E. 5131+48.50

B.E. 5132+23.50

RAMP 4

EXIST. R/W & C OF A

700' ACCELERATION LANE

300' TAPER

100 YR. FLOODPLAIN LIMIT

STA. 5139+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X3'-10")
24" X94' R.C. PIPE CULVERT
RETAIN

STA. 5151+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X88' R.C. PIPE CULVERT
RETAIN

5155 5160 5165 5170 5175 5180 5185

STA. 5174+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X84' R.C. PIPE CULVERT
RETAIN

N

0 100 200 300
GRAPHIC SCALE IN FEET

COUNTY ROAD 74

EXIST. R/W

LT. FRONTAGE ROAD

EXIST. C OF A

EXIST. R/W & C OF A

N86°56' 00" E

℄ I-40

24' 60' 24'

STA. 5168+51 END WRSF

STA. 5172+51 BEGIN WRSF

EXIST. R/W & C OF A

EXIST. R/W & C OF A

GUARDRAIL INSTALLATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
STA. 5168+00.00 TO STA. 5173+00.00 LT. OF R.M.L.	450 LIN. FT.	1 EACH	1 EACH
STA. 5170+51.00 TO STA. 5175+51.00 RT. OF L.M.L.	450 LIN. FT.	1 EACH	1 EACH

STA. 5163+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X88' R.C. PIPE CULVERT
RETAIN

REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 5171+75 MEDIAN = 2 EACH

STA. 5184+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X86' R.C. PIPE CULVERT
RETAIN

JACOBS

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	43	54
				(2) PLAN SHEET- STA. 5185+00 TO STA. 5245+00				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

N

0 100 200 300
GRAPHIC SCALE IN FEET

5185 5190 5195 5200 5205 5210 5215

STA. 5203+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X88' R.C. PIPE CULVERT
RETAIN

ENVIRONMENTALLY SENSITIVE AREA

STA. 5197+50 END WRSF
BEGIN EXCEPTION

EXIST. R/W & C OF A

EXIST. R/W

BLACKFISH LAKE

EXIST. B.E. 5209+28.25

+50.12

EXIST. BR. 3904A

N86°56'00"E

℄ I-40

24' 60' 24'

+50.12

+00.12

EXIST. BR. 3904B

EXIST. R/W & C OF A

EXIST. R/W

ENVIRONMENTALLY SENSITIVE AREA

100 YR. FLOODPLAIN LIMIT

EXIST. B.E. 5208+79.75

STA. 5192+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X3'-1")
24"X172' R.C. PIPE CULVERT
RETAIN

5215 5220 5225 5230 5235 5240 5245

STA. 5219+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X88' R.C. PIPE CULVERT
RETAIN

STA. 5337+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X88' R.C. PIPE CULVERT
RETAIN

N

0 100 200 300
GRAPHIC SCALE IN FEET

100 YR. FLOODPLAIN LIMIT

EXIST. B.E. 5214+76.75

STA. 5227+75 BEGIN WRSF
END EXCEPTION

EXIST. R/W & C OF A

STA. 5238+33
END WRSF

+06.38

N86°56'00"E

℄ I-40

24' 60' 24'

+56.38 +06.38

STA. 5242+33
BEGIN WRSF

STA. 5215+28
BEGIN WRSF

STA. 5224+18
END WRSF

EXIST. R/W & C OF A

EXIST. B.E. 5214+28.25

COUNTY ROAD 34
(JEANETTE ROAD UNDERPASS)

GUARDRAIL INSTALLATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POST (TYPE 1)
STA. 5235+32.80 TO STA. 5240+32.80 LT. OF R.M.L.	450 LIN. FT.	1 EACH	1 EACH
STA. 5237+82.80 TO STA. 5242+82.80 RT. OF L.M.L.	450 LIN. FT.	1 EACH	1 EACH

STA. 5228+00 IN PLACE
TYPE H DROP INLET IN MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X84' R.C. PIPE CULVERT
RETAIN

REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIERS
STA. 5239+07 MEDIAN = 2 EACH

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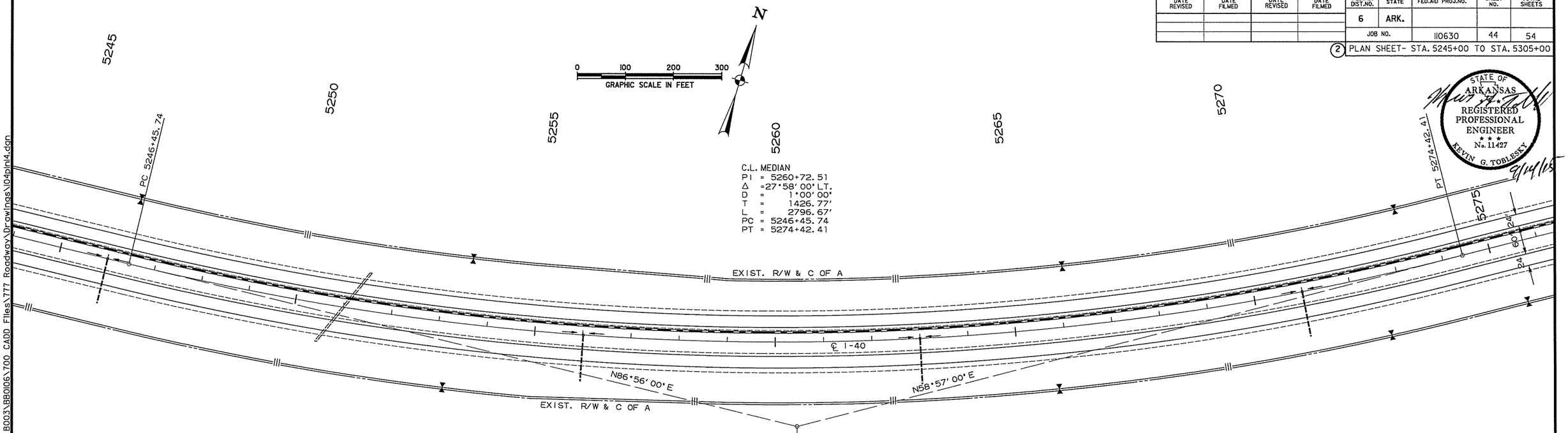
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	44	54

(2) PLAN SHEET- STA. 5245+00 TO STA. 5305+00



STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESSY
9/14/15

STA. 5246+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X94' R.C. PIPE CULVERT
RETAIN

STA. 5251+00 IN PLACE
48" X182' R.C. PIPE CULVERT
30° LT FWD SKEW
RETAIN

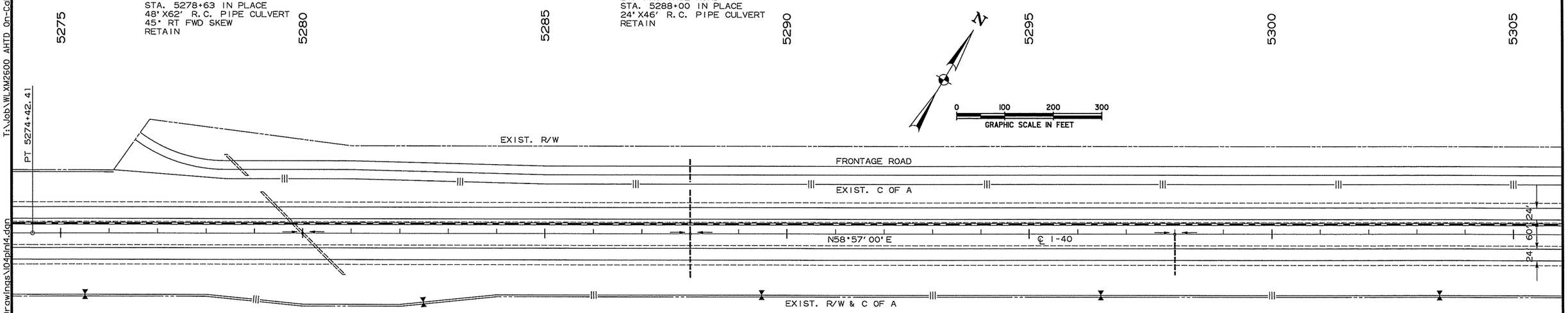
STA. 5256+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X94' R.C. PIPE CULVERT
RETAIN

STA. 5263+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X92' R.C. PIPE CULVERT
RETAIN

STA. 5271+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X92' R.C. PIPE CULVERT
RETAIN

LT. FRONTAGE ROAD
STA. 5278+63 IN PLACE
48" X62' R.C. PIPE CULVERT
45° RT FWD SKEW
RETAIN

LT. FRONTAGE ROAD
STA. 5288+00 IN PLACE
24" X46' R.C. PIPE CULVERT
RETAIN



STA. 5280+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X6'-9" X6'-1")
48" X240' R.C. PIPE CULVERT
45° RT FWD SKEW
RETAIN

STA. 5288+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X4'-1")
24" X180' R.C. PIPE CULVERT
RETAIN

STA. 5298+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0" X4'-0" X2'-10")
24" X84' R.C. PIPE CULVERT
RETAIN

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	45	54

(2) PLAN SHEET- STA. 5305+00 TO STA. 5365+00

5305 5310 5315 5320 5325 5330 5335

LT. FRONTAGE ROAD
STA. 5308+00 IN PLACE
30'X40' PIPE CULVERT
RETAIN

LT. FRONTAGE ROAD
STA. 5312+75 IN PLACE
30' X44' PIPE CULVERT
30° LT FWD SKEW
RETAIN

LT. FRONTAGE ROAD
STA. 5334+00 IN PLACE
30'X40' PIPE CULVERT
RETAIN

0 100 200 300
GRAPHIC SCALE IN FEET

EXIST. R/W
FRONTAGE ROAD
EXIST. C OF A
℄ I-40 N58°57'00"E
24' 60' 24'
EXIST. R/W & C OF A

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9/14/15

STA. 5308+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X4'-4")
30'X176' R.C. PIPE CULVERT
RETAIN

STA. 5312+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-9"X3'-8")
30'X200' R.C. PIPE CULVERT
30° LT FWD SKEW
RETAIN

STA. 5324+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X84' R.C. PIPE CULVERT
RETAIN

STA. 5334+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-1"X3'-10")
30'X172' R.C. PIPE CULVERT
RETAIN

5335 5340 5345 5350 5355 5360 5365

LT. FRONTAGE ROAD
STA. 5353+00 IN PLACE
24'X50' PIPE CULVERT
RETAIN

0 100 200 300
GRAPHIC SCALE IN FEET

CRITTENDEN COUNTY

EXIST. R/W
FRONTAGE ROAD
EXIST. C OF A
℄ I-40 N58°57'00"E
24' 60' 24'
EXIST. R/W & C OF A

ST. FRANCIS COUNTY

STA. 5343+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X88' R.C. PIPE CULVERT
RETAIN

STA. 5353+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24'X88' R.C. PIPE CULVERT
RETAIN

STA. 5356+00 IN PLACE
6'X5'X258' R.C. BOX CULVERT
RETAIN

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		110630	46	54
				(2) PLAN SHEET- STA. 5365+00 TO STA. 5395+00				

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESEY
9/14/15

N

0 100 200 300
GRAPHIC SCALE IN FEET

GUARDRAIL IN PLACE - RETAIN

STA.	5382+72.14	TO STA.	5387+72.14	LT. OF R.M.L.	= 500 LIN. FT.
STA.	5383+43.60	TO STA.	5386+15.60	RT. OF R.M.L.	= 275 LIN. FT.
STA.	5386+81.90	TO STA.	5389+56.90	LT. OF L.M.L.	= 275 LIN. FT.
STA.	5385+22.14	TO STA.	5390+22.14	RT. OF L.M.L.	= 500 LIN. FT.

C.L. MEDIAN
PI = 5385+28.90
Δ =33°35'00" RT.
D = 1°00'00"
T = 1728.95'
L = 3358.33'
PC = 5367+99.95
PT = 5401+58.28

5365 5370 5375 5380 5385 5390 5395

EXIST. R/W
EXIST. C OF A
FRONTAGE ROAD
℄ I-40
EXIST. R/W & C OF A
EXIST. R/W & C OF A
BINGS STORE ROAD
HWY. 218/HWY. 79
EXIST. R/W
EXIST. C OF A
PI 5385+23.90
S87°28'00"E
N58°57'00"E
24'
60'
24'
PC 5367+94.95

STA. 5385+58.00
END JOB 110630
LOG MILE 265.04

STA. 5385+58
END WRSF

STA. 5386+47.14 ℄ MED
STA. 12+03.00 HWY. 218/HWY. 79

STA. 5365+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X 86' R.C. PIPE CULVERT
RETAIN

STA. 5374+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X 86' R.C. PIPE CULVERT
RETAIN

STA. 5382+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X 86' R.C. PIPE CULVERT
RETAIN

STA. 5382+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X 86' R.C. PIPE CULVERT
RETAIN

STA. 5390+00 IN PLACE
TYPE H DROP INLET IN
MEDIAN (2 OPENINGS)
(4'-0"X4'-0"X2'-10")
24"X 86' R.C. PIPE CULVERT
RETAIN

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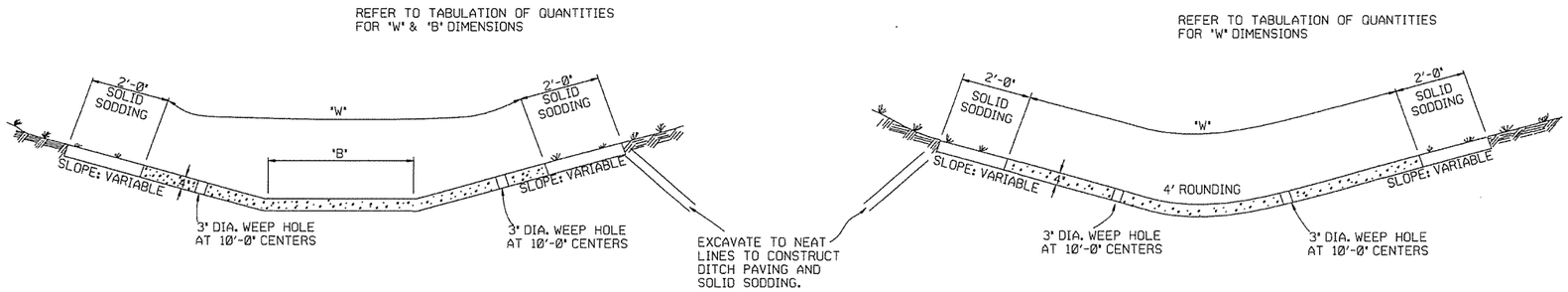
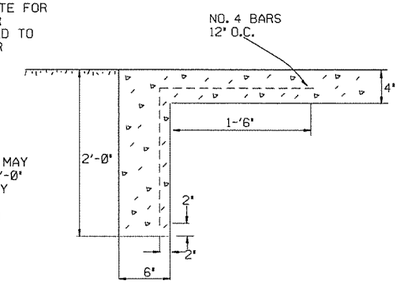


TYPE A

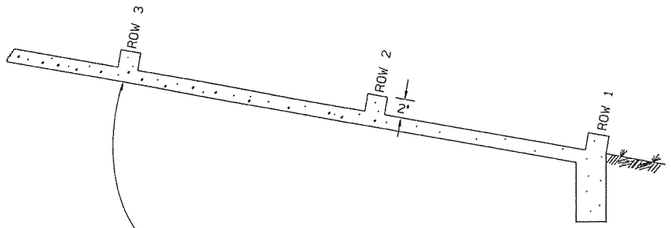
TYPE B

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

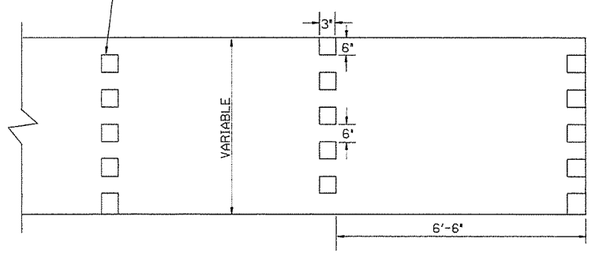


TOE WALL DEPTH MAY BE ALTERED TO 1'-0" WHEN DIRECTED BY THE ENGINEER IN ROCK EXCAVATION

TOE WALL DETAIL FOR CONCRETE DITCH PAVING



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED



ENERGY DISSIPATORS
(NO SCALE)

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

GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.

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

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

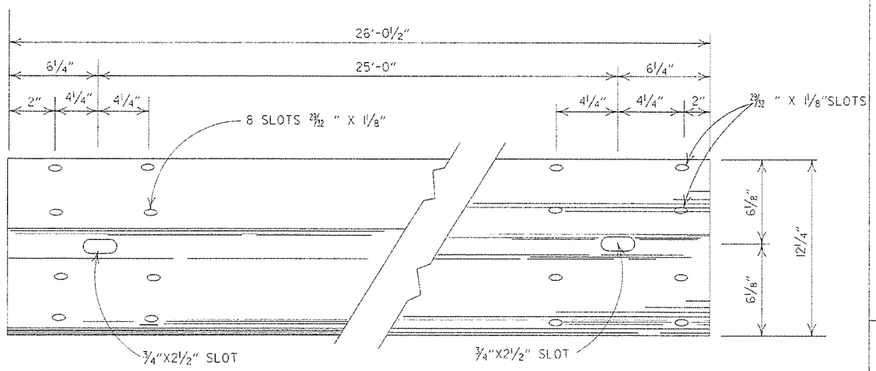
1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.

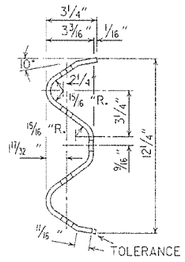
DATE	REVISION	DATE FILM'D
11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	653-7-15-88
4-3-87	REVISED ENERGY DISSIPATOR	671-4-3-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	532-1-9-87
11-3-86	ADDED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

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

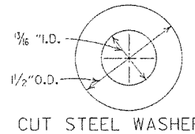




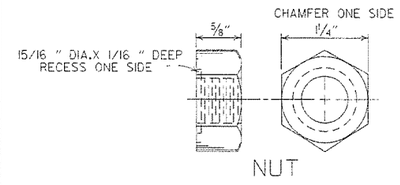
DETAILS OF
W-BEAM GUARD RAIL

RAIL SECTION OF CLOSELY SIMILAR DIMENSIONS AND COMPARABLE STRENGTH MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.

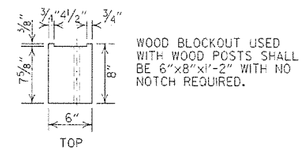
SPLICE BOLT
POST BOLT - SAME EXCEPT LENGTH



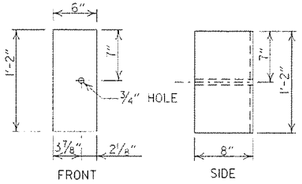
CUT STEEL WASHER



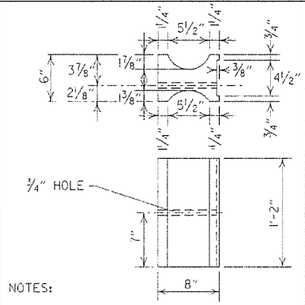
NUT



WOOD BLOCKOUT USED WITH WOOD POSTS SHALL BE 6"x8"x1'-2" WITH NO NOTCH REQUIRED.



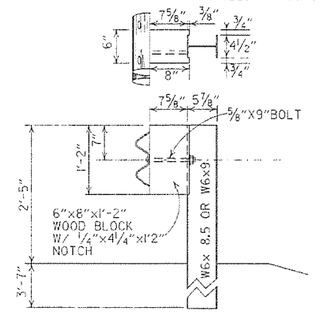
WOOD BLOCKOUT
(W-BEAM)



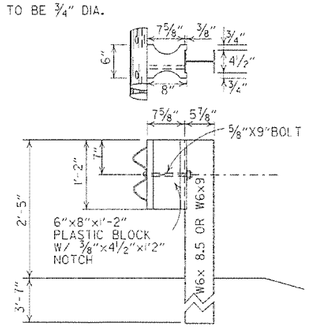
NOTES:
1. SIMILAR SHAPED PLASTIC BLOCKOUTS MAY BE USED AS LONG AS THEY MEET NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
2. DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.

PLASTIC BLOCKOUT
(W-BEAM)

HOLES IN POSTS AND BLOCKS TO BE ¾" DIA.

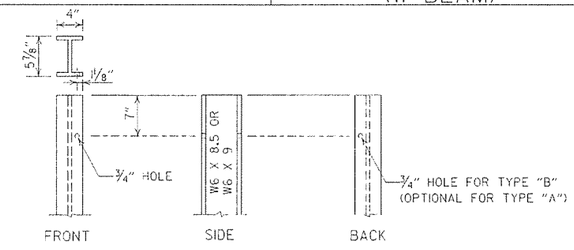


WOOD BLOCKOUT CONNECTIONS

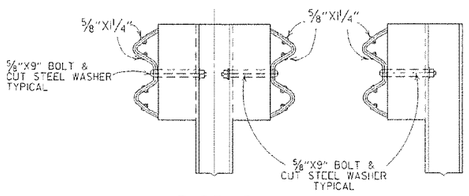


PLASTIC BLOCKOUT CONNECTIONS

DETAILS OF STEEL LINE POST CONNECTIONS
(W-BEAM)



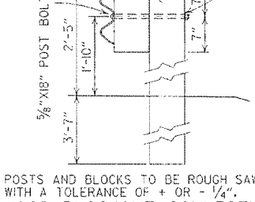
STEEL POST



TYPE "B" TYPE "A"

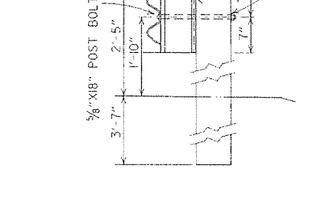
DETAILS OF STEEL LINE POST CONNECTIONS
(W-BEAM)

HOLES IN POSTS AND BLOCKS TO BE ¾" DIA.



POSTS AND BLOCKS TO BE ROUGH SAWN 6"X8" WITH A TOLERANCE OF + OR - ¼".

WOOD BLOCKOUT CONNECTIONS



PLASTIC BLOCKOUT CONNECTIONS

DETAILS OF WOOD LINE POST CONNECTIONS
(W-BEAM)

-GENERAL NOTES-

ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN ¾" BEYOND IT.

WHERE W-BEAM GUARD RAIL CONTINUES, THE INTERMEDIATE SECTIONS SHALL HAVE A POST SPACING OF 6'-3" UNLESS OTHERWISE NOTED.

W-BEAM GUARD RAIL REPRESENTING INTERMEDIATE SECTIONS WILL BE MEASURED ALONG THE ROADWAY FACE FROM CENTERLINE OF POST TO CENTERLINE OF POST.

USE W-BEAM GUARD RAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB. FOR EXTENSIONS OR MODIFICATION OF EXISTING GUARD RAIL, W-BEAM GUARD RAIL COMPONENTS OF THE SAME TYPE AS THOSE EXISTING SHALL BE USED.

ANY BACKFILLING UNDER OR AROUND POST SHALL BE DAMP SAND THOROUGHLY TAMPED IN PLACE.

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

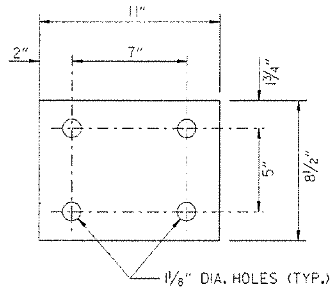
CONTRACTOR SHALL HAVE THE OPTION OF USING WOOD BLOCKOUTS FOR W-BEAM GUARD RAIL OR PLASTIC BLOCKOUTS, AS LONG AS BLOCKOUT USED MEETS NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) FOR W-BEAM GUARD RAIL.

DATE	REVISION	DATE FILM
7-4-10	RAISED HEIGHT OF GUARD RAIL 1"	
10-15-09	ADDED REFERENCE TO MASH	
4-10-03	REVISED GENERAL NOTES	
8-22-02	REVISED DIMENSION ON WOOD & PLASTIC BLOCKOUT CONNECTIONS & ON STEEL POST	
11-16-01	REVISED WOOD BLOCKOUT & DETAILS OF WOOD LINE POST CONNECTIONS	
3-30-00	REMOVED GUARD RAIL AT BRIDGE ENDS	
1-12-00	ADDED PLASTIC BLOCKOUT	
8-12-98	REV. BLOCKOUTS TO WOOD, DELETED CONC. POST & REV. GENERAL NOTE, DELETED DET. OF GUARD RAIL REPLACE. BEHIND CURB & DET. OF POST PLACE. IN SOLID ROCK, & ADDED DETAILS OF STEEL LINE POST CONN. REMOVED BACK-UP PLATE, REVISED HOLES IN STEEL POLES	
4-3-97	REMOVED "LAP IN DIRECTION OF TRAFFIC" NOTE & PLACED ARROWS ON WASHERS	
10-18-96	REVISED WOOD POST NOTE	
6-2-94	ADDED ALT. STEEL POST SIZE	
8-5-93	REVISED STEEL POST SIZE	8-5-93
10-1-92	REDRAWN & REVISED	10-1-92
8-15-91	REVISED WASHER NOTE	8-15-91
8-2-90	REV. GEN. NOTE & DEPHT OF ANC. POST IN ROCK	8-2-90
7-15-88	REVISED SECTION 3 & GENERAL NOTES	
3-4-88	REV. ANCHOR POST, ELEV. NOTES & POST IN ROCK	780-3-4-88
10-30-87	REVISED WOOD LINE POST DETAIL	546-10-30-87
10-9-87	REDRAWN & REVISED	802-10-9-87

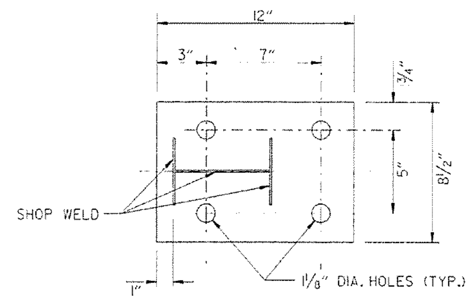
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

STANDARD DRAWING GR-8

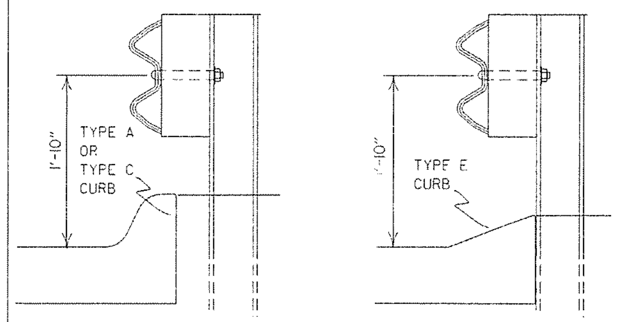


WASHER PLATE



BASE PLATE

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



FOR DESIGN SPEEDS OF 50 MPH OR LESS

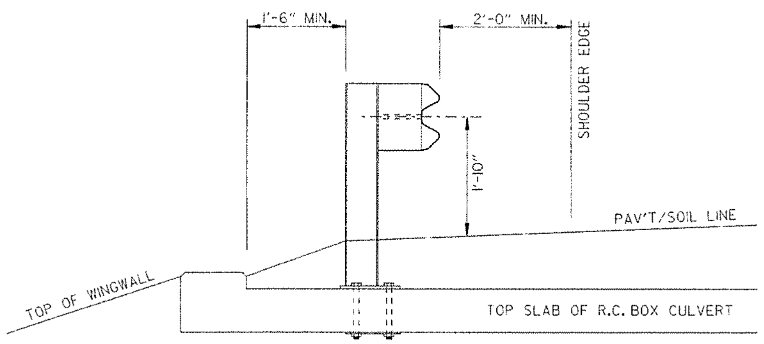
ALIGN FACE OF GUARD RAIL WITH FACE OF CURB.

FOR DESIGN SPEEDS OF 55 MPH OR MORE

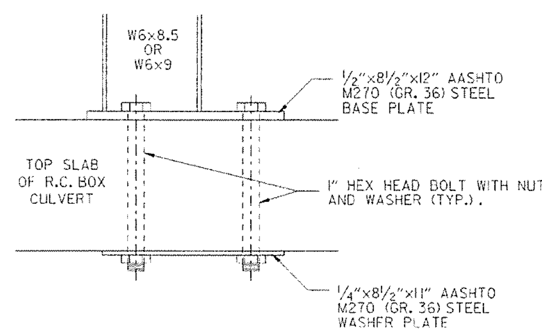
PLACE GUARD RAIL POSTS AGAINST BACK OF CURB.

DETAIL OF GUARD RAIL PLACEMENT BEHIND CURB (W-BEAM)

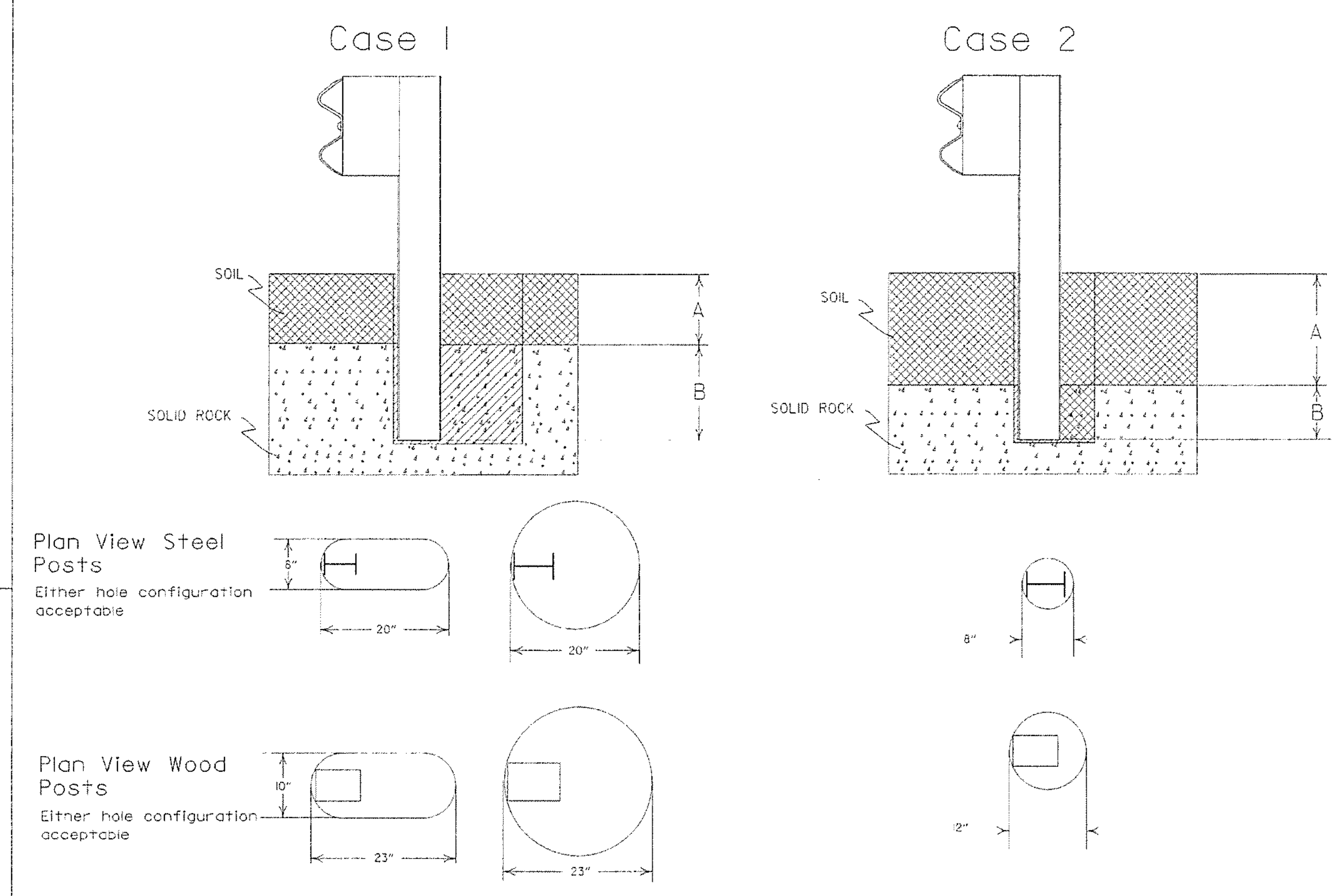
FOR DESIGN SPEEDS OF 50 MPH OR LESS ALL CURB FACES, AS SHOWN ON STD. DRWG. CG-1, MAY BE USED. FOR DESIGN SPEEDS OF 55 MPH OR MORE TYPE "E" CURB FACE SHALL BE USED.



SECTION A-A



DETAIL OF CONNECTION



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

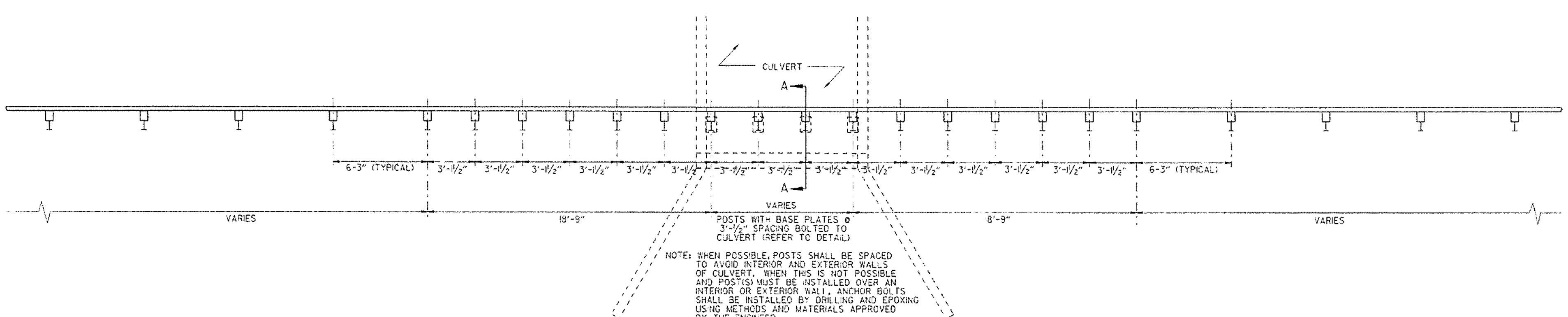
Zone A:
Backfill according to Section 617.03(a).

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.

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).

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



PLAN LAYOUT OF TYPE A GUARD RAIL AT LOW-FILL CULVERTS

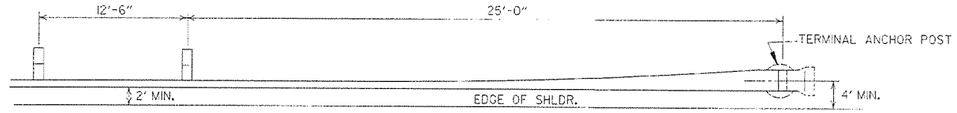
NOTE: THIS DETAIL IS TO BE USED ONLY WHEN THE COVER OVER THE CULVERT DOES NOT PERMIT FULL EMBEDMENT OF GUARD RAIL POSTS AS SHOWN ON STD. DWG. GR-8.

DATE	REVISION	DATE FILM
7-14-10	RAISED HEIGHT OF GUARD RAIL 1"	
4-12-07	REVISED DETAIL OF GUARD RAIL PLACEMENT BEHIND CURB	
11-10-05	ADDED GUARD RAIL PLACEMENT BEHIND CURB; REVISED DETAIL OF CONNECTION	
11-18-04	REVISED POST PLACEMENT IN ROCK & CULVERT CONNECTION DETAILS. ADDED DETAIL FOR GUARD RAIL PLACEMENT AT LOW-FILL CULVERTS	
3-30-00	REMOVED CONCRETE INSERT ANCHOR	
8-12-98	CHANGED STEEL SPACER BLOCK TO WOOD BLOCKOUT, ADD. DET. OF GUARD RAIL CONNECTION TO R.C. BOX CULV'T. DELETED DET. OF STEEL LINE POST CONN.& ADDED DET. OF GUARD RAIL PLACE. BEHIND CURB & DET. OF POST PLACE. IN SOLID ROCK	
4-3-96	PLACED ARROWS AT CUT STEEL WASHERS	4-3-96
10-18-96	REV. ASTM REF. TO AASHTO	
11-22-95	ADDED OPTIONAL HOLES	
6-2-94	REVISED ALTERNATE POST SIZE	
8-5-93	REVISED STEEL POST SIZE	
10-1-92	REDRAWN & REVISED	10-1-92
8-2-90	DEL. WASHER ON ANCHOR ASSEMBLY	8-2-90
7-15-88	CONFORMED TO 1988 SPECS	
3-4-88	REVISED ANCHOR NOTE	
10-30-87	REVISED ANCHOR ASSEMBLY	712-10-30-87
10-30-87	REVISED PLACEMENT BEHIND CURB	547-10-30-87
10-9-87	REDRAWN & REVISED	803-10-9-87

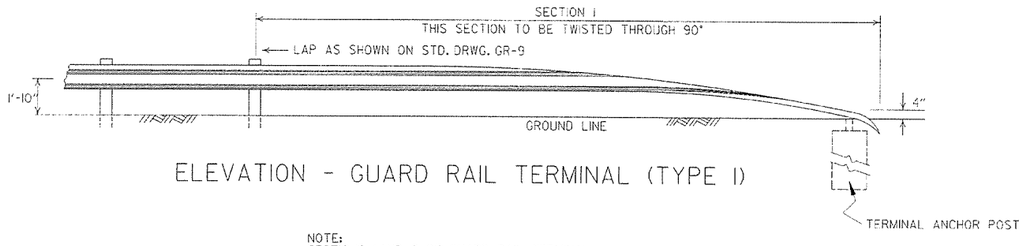
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

STANDARD DRAWING GR-8A

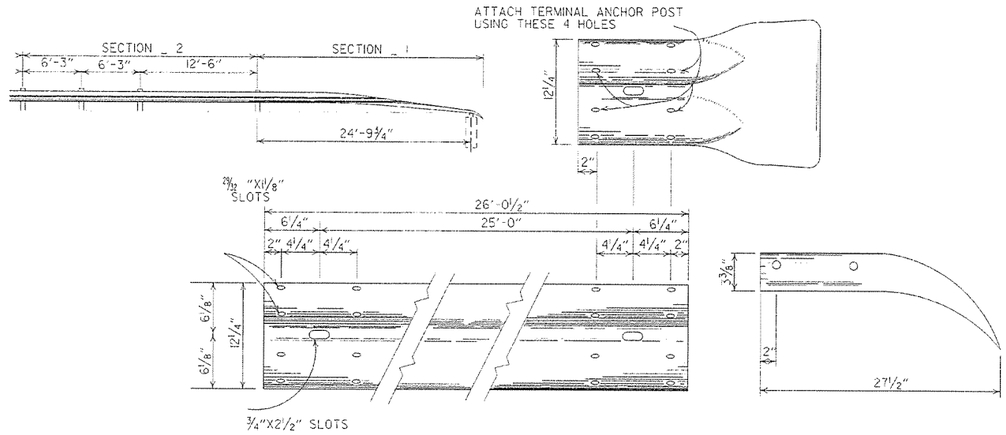


PLAN - GUARD RAIL TERMINAL (TYPE I)



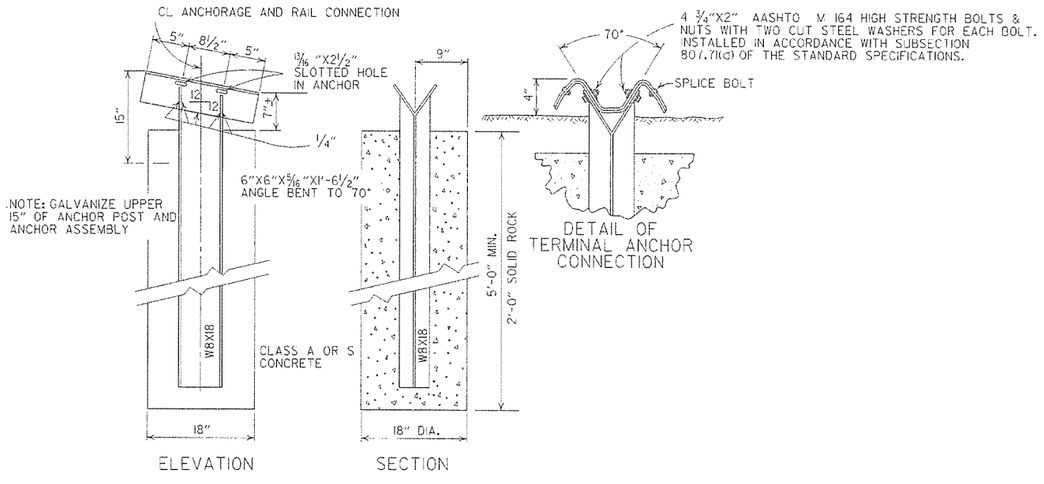
ELEVATION - GUARD RAIL TERMINAL (TYPE I)

NOTE:
SECTIONS 1 AND 2 OF GUARD RAIL TERMINAL SHALL BE PAID FOR AT THE PRICE BID PER LINEAR FOOT OF THE TYPE OF GUARD RAIL 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 WF 17 POST IF CONTRACTOR SO DESIRES.

DETAIL OF TERMINAL ANCHOR POST (TYPE I)

DATE	REVISION	DATE FILM
7-14-10	RAISED HEIGHT OF GUARD RAIL 1"	
6-26-97	REVISED LAP NOTE	
10-18-96	REVISED ASTM REF. TO AASHTO	
11-3-94	DIMENSION TERMINAL DETAIL	
11-11-92	ADDED NOTE FOR PAYMENT	11-11-92
10-1-92	DRAWN & ISSUED	10-1-92

ARKANSAS STATE HIGHWAY COMMISSION

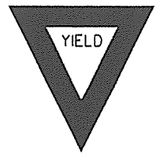
GUARD RAIL DETAILS

STANDARD DRAWING GRT-1

RI-1

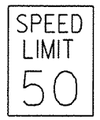
STANDARD 30"X30"
EXPRESSWAY 36"X36"
SPECIAL 48"X48"

RI-2



STD. 36"X36"X36"
EXPWY. 48"X48"X48"
FWY. 60"X60"X60"

R2-1



STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

W3-5

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

W3-5a

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

R4-1

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

R4-2

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

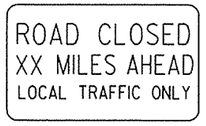
R5-1

STD. 30"X30"
EXPWY. 36"X36"
SPECIAL 48"X48"

RII-2

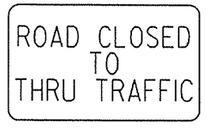
48"X30"

RII-3A



60"X30"

RII-4



60"X30"

RSP-1

48"X30"

WI-1

STD. 36"X36"
FWY. 48"X48"

WI-2

STD. 36"X36"
FWY. 48"X48"

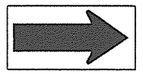
WI-3

STD. 48"X48"

WI-4

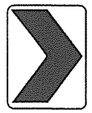
STD. 48"X48"

WI-6



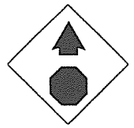
STD. 48"X24"
SPECIAL 60"X30"

WI-8



STD. 18"X24"
SPECIAL 24"X30"
EXPWY. 30"X36"
FWY. 36"X48"

W3-1

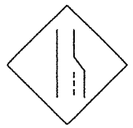


STD. 36"X36"
SPECIAL 48"X48"

W3-2

STD. 36"X36"
SPECIAL 48"X48"

W4-2



STD. 36"X36"
FWY. 48"X48"

W5-1

STD. 36"X36"
SPECIAL 48"X48"

W6-3

EXPWY. 36"X36"
SPECIAL 48"X48"

W8-7

EXPWY. 36"X36"
FWY. 48"X48"

W9-2

STD. 36"X36"
FWY. 48"X48"

WI3-1

STD. 24"X24"

W20-1

STD. 48"X48"

W20-2

STD. 48"X48"

W20-3

STD. 48"X48"

W20-4

STD. 48"X48"

W20-5

STD. 48"X48"

W20-7a

STD. 36"X36"
FWY. 48"X48"

W21-2

STD. 30"X30"
SPECIAL 36"X36"

W21-5

STD. 30"X30"
SPECIAL 36"X36"

W24-1

STD. 36"X36"

WI-4b

STD. 48"X48"

R56-1

STD. 18"X18"

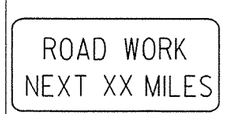
W8-11

STD. 36"X36"
FWY. 48"X48"

W8-9

STD. 36"X36"
FWY. 48"X48"

G20-1



60"X24"

G20-2

48"X24"

OM-3L OM-3R

12"X36"

M4-9

STD. 30"X24"
SPECIAL 48"X36"
SPECIAL 60"X48"

M4-10

48"X18"

R55-1

36"X60"
• USE 6" C LETTERS
•• USE 4" D LETTERS

ADVANCE DISTANCES
(XXXX)

500 FT	½ MILE
1000 FT	¾ MILE
1500 FT	1 MILE
	AHEAD

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.

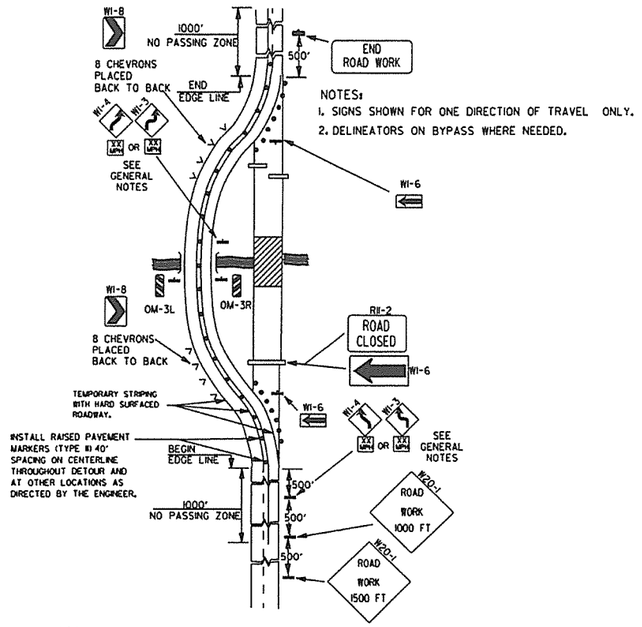
• NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY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

DATE	REVISION	FILMED
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	

ARKANSAS STATE HIGHWAY COMMISSION

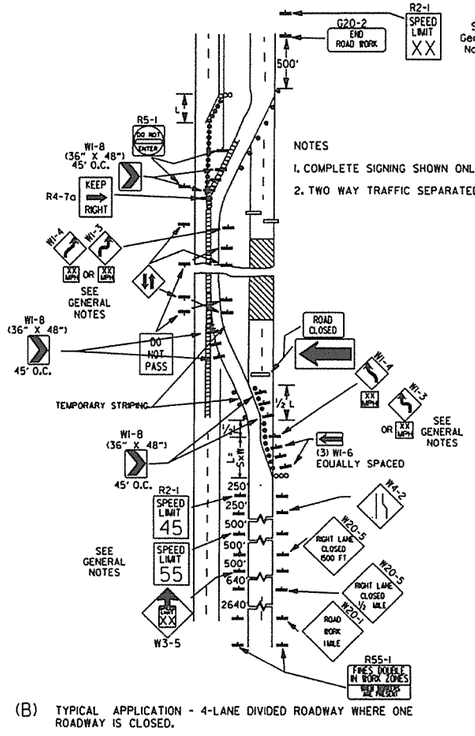
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-1



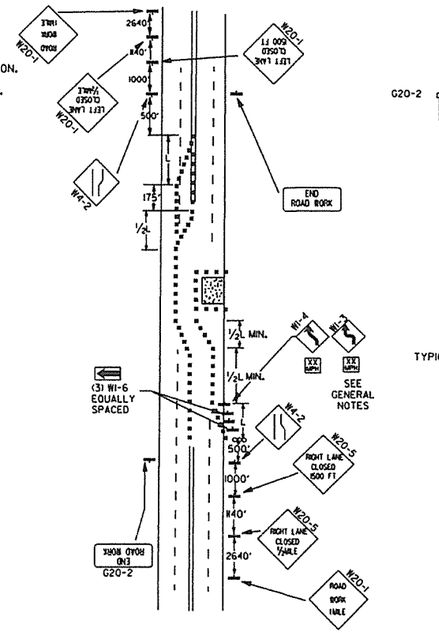
NOTES:
1. SIGNS SHOWN FOR ONE DIRECTION OF TRAVEL ONLY.
2. DELINEATORS ON BYPASS WHERE NEEDED.

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



NOTES
1. COMPLETE SIGNING SHOWN ONLY IN CROSSOVER DIRECTION.
2. TWO WAY TRAFFIC SEPARATED WITH POSITIVE BARRIER.

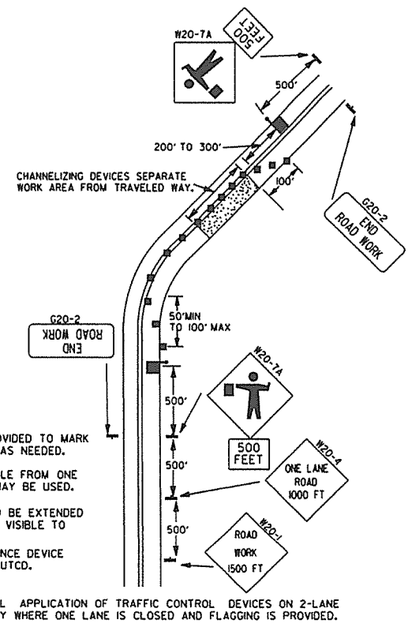
(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



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

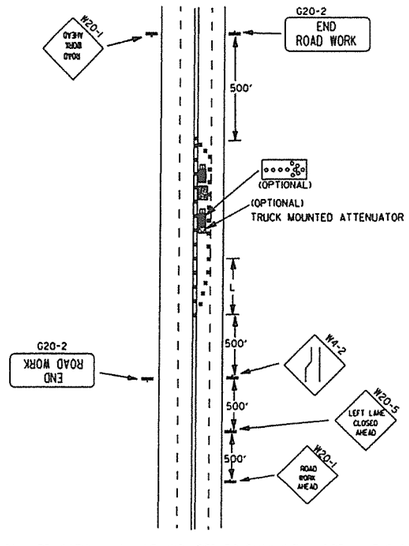
NOTES:
1. REGULATORY TRAFFIC CONTROL DEVICES TO BE MODIFIED AS NEEDED FOR THE DURATION OF THE DETOUR.
2. STREET NAMES MAY BE USED WHEN DESIRABLE FOR DIRECTING DETOURED TRAFFIC.

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



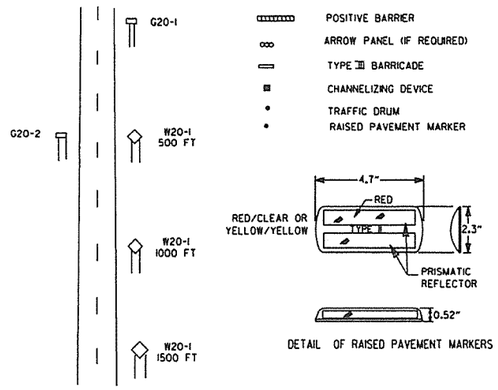
NOTES:
1. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.
2. IF ENTIRE WORK AREA IS VISIBLE FROM ONE STATION, A SINGLE FLAGGER MAY BE USED.
3. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
4. AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) OPTIONAL. REFER TO MUTCD.

(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.

KEY:
- FLAGGER
- POSITIVE BARRIER
- ARROW PANEL (IF REQUIRED)
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- TRAFFIC DRUM
- RAISED PAVEMENT MARKER



DETAIL OF RAISED PAVEMENT MARKERS

TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:

L=SXW FOR SPEEDS OF 45MPH OR MORE.

$L = \frac{WS^2}{60}$ FOR SPEEDS OF 40MPH OR LESS.

WHERE:
L= MINIMUM LENGTH OF TAPER.
S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.
W= WIDTH OF OFFSET.

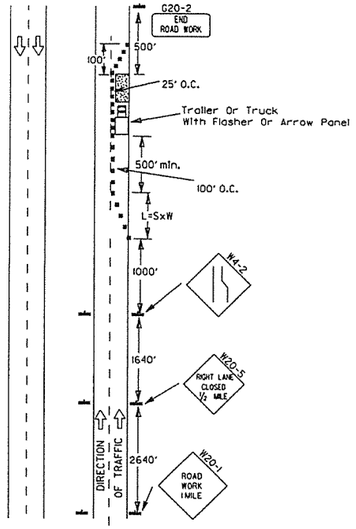
GENERAL NOTES:
1. ADVISORY SPEED POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS TO BE DETERMINED AT SITE. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS.
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1 45MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-1 55MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. 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.
8. 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 AHTD QUALIFIED PRODUCTS LIST.

DATE	REVISION	FILMED
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	
3-8-10	ADDED (AFAD)	
8-20-08	REVISED SIGN DESIGNATIONS	
8-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-1	
4-26-96	CORRECTED (G) 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	

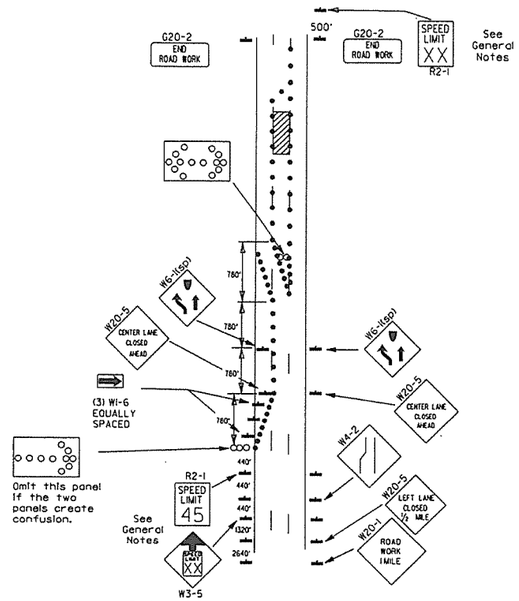
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

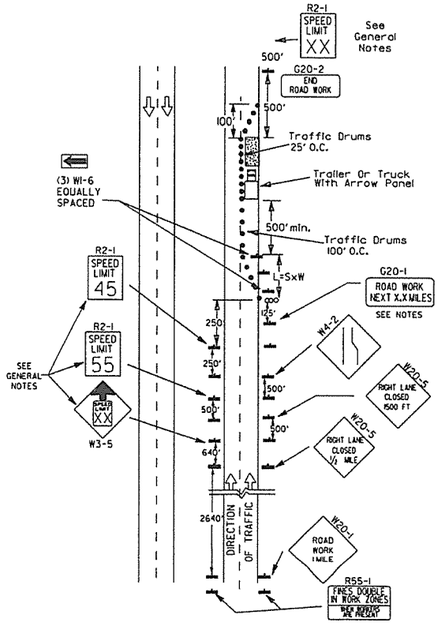
STANDARD DRAWING TC-2



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



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



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

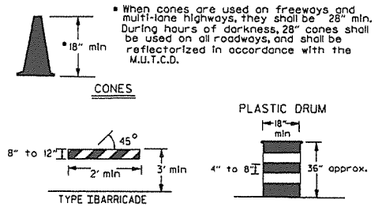
KEY:

- ○○○ Arrow Panel (If Required)
- ■ Channelizing Device
- ● Traffic drum

GENERAL NOTES:

1. A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the W3-5 shall be installed at that location. Additional R2-1 45mph speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
3. When the existing speed limit is 65mph and the plans require a speed limit of 55mph, the R2-1(45) shall be omitted. Additional R2-1 55mph speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1(XX) shall be installed to match original speed limit.
4. The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit or as directed by the Engineer.
5. Warning lights and/or flags may be mounted to signs or channelizing devices at night as needed.
6. Pavement markings no longer applicable which might create confusion in the minds of vehicle operators shall be removed or obliterated as soon as practicable.
7. The G20-1 sign will be required on jobs of over two miles in length. When the lane closure is not at the beginning of the project, the G20-1 sign shall be erected 125' in advance of the job limit. Additional W20-1 (1 MILE) signs are not required in advance of lane closures that begin inside the project limits.
8. Flaggers shall use STOP/SLOW paddles for controlling traffic through work zones. Flags may be used only for emergency situations.
9. All plastic drums and cones shall meet the requirements of NCHRP-350 or Manual For Assessing Safety Hardware (MASH).
10. Trailer mounted devices such as arrow panels and portable changeable message signs shall be delineated by affixing conspicuity material in a continuous line on the face of the trailer. When placed on or adjacent to the shoulder and not behind a positive barrier, these devices shall be delineated by placing five (5) traffic drums, equally spaced along the traffic side of the device.

Channelizing devices



NOTE:
For all road closures, the Type III barricades shall be of sufficient length to extend across entire roadway.

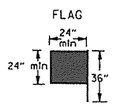
TRAFFIC CONTROL DEVICES FOR VERTICAL PAVEMENT DIFFERENTIALS

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

* When shown on the plans concrete barrier will be used.

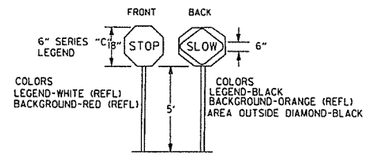
When the shoulder area is used as part of the traveled lane and there is insufficient width to place drums on the remaining shoulder width, then vertical panels shall be used.

FLAG

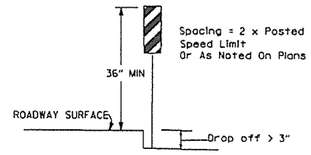


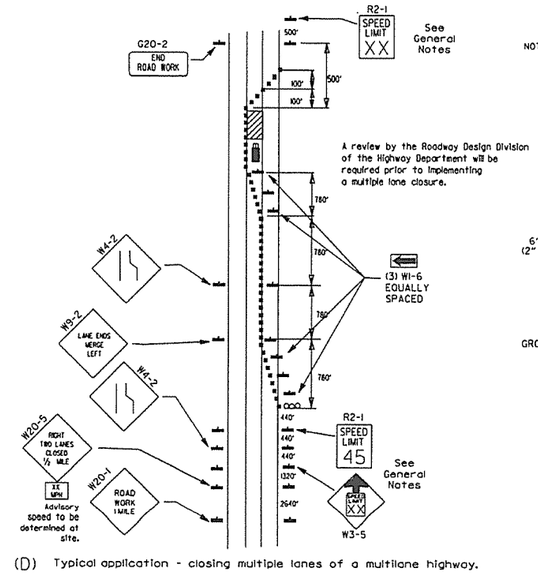
Flag shall be of good grade red material

STOP SLOW PADDLE



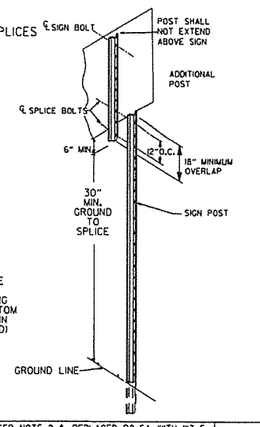
VERTICAL PANEL PLACEMENT





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

DETAIL OF SPLICES



NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-2)

NORMAL INSTALLATIONS WILL REQUIRE 1/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE VARIOUS POST SUPPORTS. EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS.

SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.

DATE	REVISION	FILMED
9-2-15	REVISED NOTE 2 & REPLACED R2-5A WITH W3-5	
10-15-09	ADDED REFERENCE TO MASH	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED NOTE	
10-1-98	ADDED NOTE	
4-03-97	ADDED (SP) TO W6-1& REVISED TRAFFIC CONTROL DEVICES NOTE	
10-18-96	ADDED R55-1	
10-12-95	MOVED UPPER SPLICE	
6-8-95	REVISED SPLICE DETAIL, TEXT	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

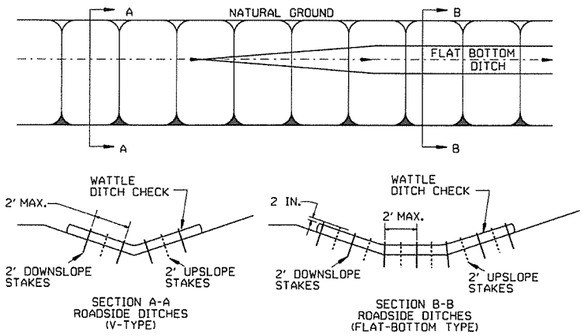
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

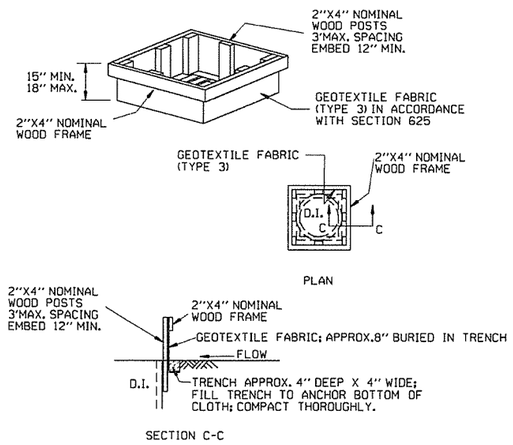
STANDARD DRAWING TC-3

GENERAL NOTES

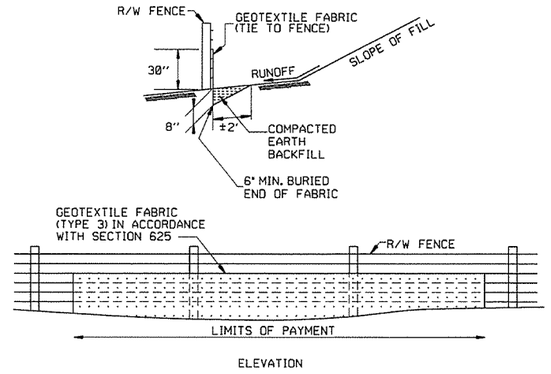
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.



WATTLE DITCH CHECK (E-1)



DROP INLET SILT FENCE (E-7)



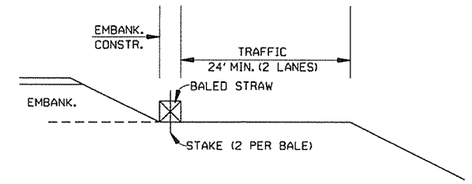
SILT FENCE ON R/W FENCE (E-4)

GENERAL NOTES

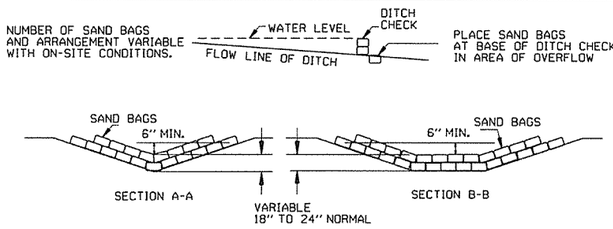
GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

GENERAL NOTES

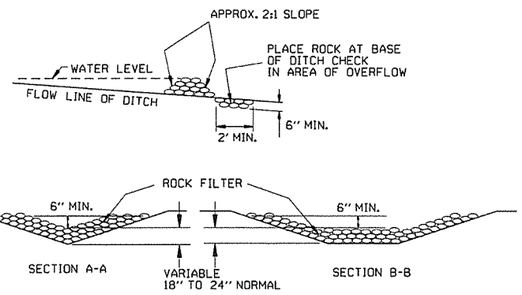
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
2. NO GAPS SHALL BE LEFT BETWEEN BALES.
3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED 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.



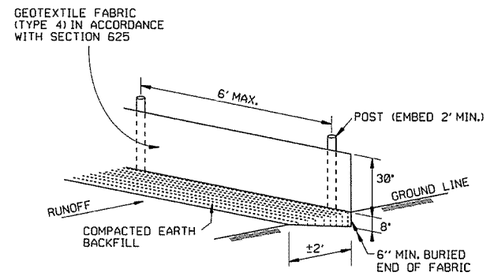
BALED STRAW FILTER BARRIER (E-2)



SAND BAG DITCH CHECK (E-5)



ROCK DITCH CHECK (E-6)



SILT FENCE (E-11)

GENERAL NOTES

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

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

ARKANSAS STATE HIGHWAY COMMISSION

TEMPORARY EROSION CONTROL DEVICES

STANDARD DRAWING TEC-1