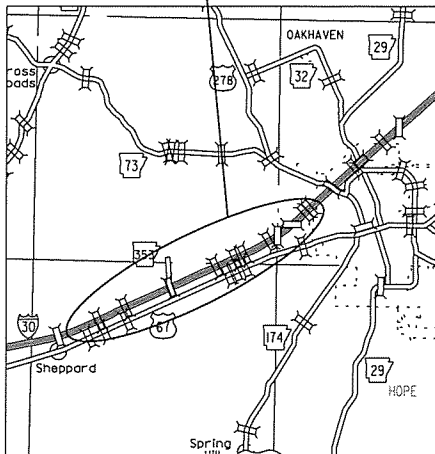


**PROJECT LOCATION**



**VICINITY MAP**

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

**SHEPPARD - HWY. 278 (S)**

HEMPSTEAD COUNTY

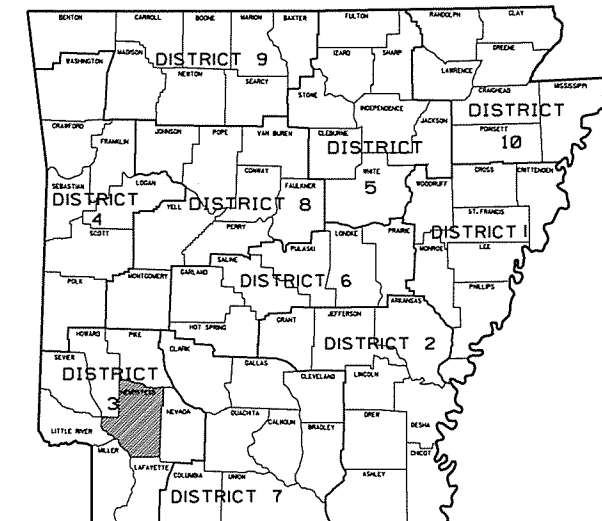
**ROUTE 30 SECTION 12**

FEDERAL AID PROJECT BIM-B30-0(206)

**JOB BB0306**

NOT TO SCALE

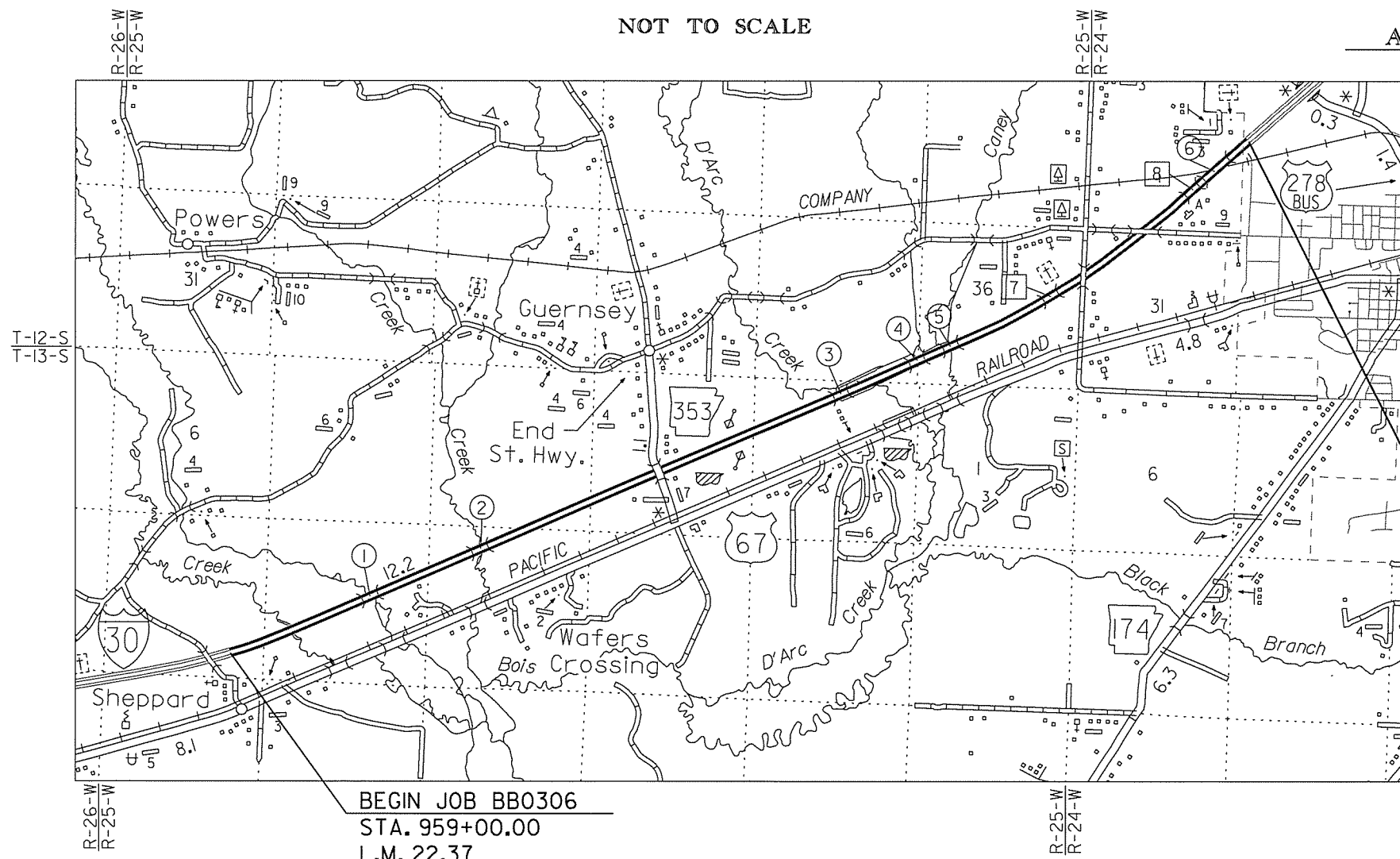
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				6	ARK.			
						JOB NO.	BB0306	1 148
						②	SHEPPARD - HWY. 278 (S)	



**ARKANSAS HIGHWAY DISTRICT 3**

**STRUCTURES OVER 20'-0" SPAN**

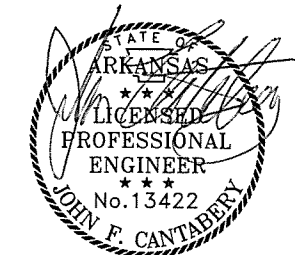
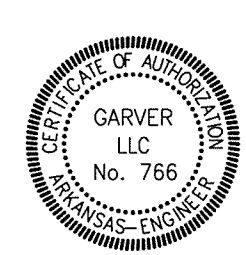
- ① STA. 1006+46.15 BR. END A  
 STA. 1007+59.87 BR. END B  
 BR. NOS. A & B3993  
 150.0' R.C. SLAB SPAN BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1007+96.15 BR. END A  
 STA. 1009+09.87 BR. END B
- ② STA. 1047+19.00 BR. END A & B  
 BR. NOS. A & B3994  
 112.0' R.C. SLAB SPAN BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1048+31.00 BR. END A & B
- ③ STA. 1175+15.00 BR. END A & B  
 BR. NOS. A & B5041  
 150.0' R.C. SLAB SPAN BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1176+65.00 BR. END A & B
- ④ STA. 1203+07.50 BR. END A & B  
 BR. NOS. A & B5042  
 75.0' R.C. SLAB SPAN BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1203+82.50 BR. END A & B
- ⑤ STA. 1215+37.50 BR. END A & B  
 BR. NOS. A & B5043  
 125.0' R.C. SLAB SPAN BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1216+62.50 BR. END A & B
- ⑥ STA. 1317+38.06 BR. END A  
 STA. 1320+18.23 BR. END B  
 BR. NO. A5045 (438'-6 1/8")  
 BR. NO. B5045 (427'-6 1/16")  
 COMPOSITE W-BEAM BRIDGE  
 40.0' CLEAR ROADWAY  
 STA. 1321+76.57 BR. END A  
 STA. 1324+45.74 BR. END B
- ⑦ STA. 1253+00 - RT. LANE - IN PLACE  
 DBL. 10' X 10' X 116' R.C. BOX CULVERT  
 RETAIN  
 STA. 1254+45 - LT. LANE - IN PLACE  
 DBL. 10' X 10' X 100' R.C. BOX CULVERT  
 45° LT. FORWARD SKEW  
 SPAN = 32.05'  
 RETAIN
- ⑧ STA. 1312+60 - C.L. - IN PLACE  
 DBL. 8' X 8' X 420' R.C. BOX CULVERT  
 45° RT. FORWARD SKEW  
 SPAN = 25.69'  
 RETAIN



**DESIGN TRAFFIC DATA**

DESIGN YEAR-----	2034
2014 ADT-----	28,000
2034 ADT-----	35,000
2034 DHV-----	3,850
DIRECTIONAL DISTRIBUTION-----	0.60
TRUCKS-----	45%
DESIGN SPEED-----	70 MPH

**END JOB BB0306**  
**STA. 1335+00.00**  
**L.M. 29.49**



11-15-2013

**PROJECT COORDINATES**

	BEGIN	MID-POINT	END
LATITUDE	N 33°37'50"	N 33°39'04"	N 33°40'39"
LONGITUDE	W 93°43'34"	W 93°40'10"	W 93°37'01"
STATION	959+00	1147+00	1335+00

LENGTH COMPUTED ALONG C.L. MEDIAN

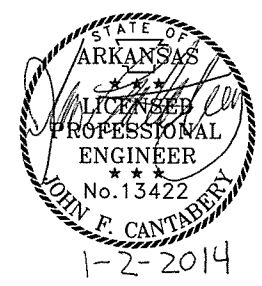
GROSS LENGTH OF PROJECT	37,600.00 FEET OR 7.121 MILES
NET LENGTH OF ROADWAY	36,497.25 FEET OR 6.912 MILES
NET LENGTH OF BRIDGES	1102.75 FEET OR 0.209 MILES
NET LENGTH OF PROJECT	37,600.00 FEET OR 7.121 MILES

P.E. JOB BB0306  
 NON-PART.

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1-2-14				6	ARK.			
						JOB NO. BB0306	2	148

② INDEX OF SHEETS, GOV. SPECS. & GEN. NOTES



INDEX OF SHEETS

SHEET NO.	TITLE	DRAWING NO.	DATE
1	TITLE SHEET		
2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES		
3-5	TYPICAL SECTIONS OF IMPROVEMENT		
6-10	SPECIAL DETAILS		
11-38	TEMPORARY EROSION CONTROL DETAILS		
39-108	MAINTENANCE OF TRAFFIC		
109-110	PERMANENT PAVEMENT MARKING		
111-114	QUANTITIES		
115	SUMMARY OF QUANTITIES AND REVISIONS		
116-129	PLAN SHEETS		
130	CONCRETE DITCH PAVING	CDP-1	11/17/2010
131	GUARD RAIL DETAILS	GR-8	7/14/2010
132	GUARD RAIL DETAILS	GR-8A	7/14/2010
133	GUARD RAIL DETAILS	GR-9	4/17/2008
134	GUARD RAIL DETAILS	GR-9A	4/17/2008
135	GUARD RAIL DETAILS	GR-10	7/14/2010
136	GUARD RAIL DETAILS	GR-10A	7/14/2010
137	CONCRETE BARRIER WALL (PIER PROTECTION TYPE A)	GR-11	7/14/2010
138	GUARD RAIL DETAILS	GRT-1	7/14/2010
139	IMPACT ATTENUATION BARRIER	IB-1	10/15/2009
140	PAVEMENT MARKING DETAILS	PM-1	9/12/2013
141	PERMANENT PAVEMENT MARKING ON ACCESS CONTROLLED ROADWAYS	PM-2	9/12/2013
142	DETAILS OF PIPE UNDERDRAINS	PU-1	4/10/2003
143	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-1	12/15/2011
144	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-2	9/12/2013
145	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-3	10/15/2009
146	TEMPORARY EROSION CONTROL DEVICES	TEC-1	12/15/2011
147	TEMPORARY EROSION CONTROL DEVICES	TEC-3	11/3/1994
148	DETAILS OF STANDARD TURNOUT FOR ENTRANCE & EXIT RAMP (NON-REINFORCED)	TR-1A	8/22/2002

GOVERNING SPECIFICATIONS

ARKANSAS HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2003, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS.

NUMBER

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 - TRAINING PROGRAM - BB0306
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-2	MANUAL FOR ASSESSING SAFETY HARDWARE (MASH)
102-1	BIDDING REQUIREMENTS AND CONDITIONS
103-1	DETERMINATION OF DBE PARTICIPATION
105-1	CONSTRUCTION CONTROL MARKINGS
105-2	EQUIPMENT AND MATERIAL STORAGE ON BRIDGE STRUCTURES
105-3	CONTROL OF WORK
107-1	WORKER VISIBILITY
108-1	LIQUIDATED DAMAGES
110-1	PROTECTION OF WATER QUALITY AND WETLANDS
303-1	AGGREGATE BASE COURSE
404-1	PRODUCTION VERIFICATION OF ASPHALT CONCRETE HOT MIX
404-2	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
409-1	MINERAL AGGREGATES
410-3	DENSITY TESTING FOR ACHM LEVELING COURSES AND BOND BREAKERS
411-1	ASPHALT CONCRETE COLD PLANT MIX
600-1	WATER FOR VEGETATION
603-1	MAINTENANCE OF TRAFFIC
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-2	INSPECTION OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
620-1	MULCH COVER
718-2	REFLECTORIZED PAINT PAVEMENT MARKINGS
JOB BB0306	ASPHALT CONCRETE HOT MIX SURFACE COURSE SURFACE TOLERANCE AND INCENTIVE PAYMENTS
JOB BB0306	ASSESSMENT OF WORKING DAYS - SATURDAYS
JOB BB0306	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB BB0306	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB BB0306	CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS
JOB BB0306	EXCAVATION AND EMBANKMENT
JOB BB0306	FURNISH AND OPERATION OF MOBILE SPEED NOTIFICATION SYSTEM
JOB BB0306	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB BB0306	HIGH PERFORMANCE PAVEMENT MARKING
JOB BB0306	MAINTENANCE OF TRAFFIC
JOB BB0306	MANDATORY USE OF INTERNET BIDDING
JOB BB0306	PARTNERING REQUIREMENTS
JOB BB0306	REMOVAL AND DISPOSAL OF GUARDRAIL
JOB BB0306	SEQUENCE OF CONSTRUCTION
JOB BB0306	SITE USE (A+C METHOD)
JOB BB0306	SOIL STABILIZATION
JOB BB0306	STORM WATER POLLUTION PREVENTION PLAN
JOB BB0306	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB BB0306	TEMPORARY PORTABLE RUMBLE STRIPS
JOB BB0306	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB BB0306	UTILITY ADJUSTMENTS
JOB BB0306	VALUE ENGINEERING
JOB BB0306	WARM MIX ASPHALT

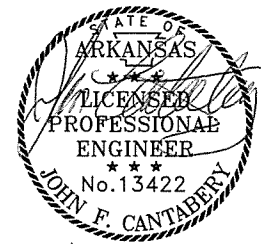
GENERAL NOTES

- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WIRE FENCE MAY BE CONSTRUCTED INITIALLY OR IN LIEU THEREOF, THE CONTRACTOR AT HIS OWN EXPENSE, MAY ELECT TO PROVIDE TEMPORARY FENCING SUITABLE TO CONTAIN LIVESTOCK.
- 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.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENT REMOVED SHALL BE PAID FOR UNDER PAY ITEM 210 - EXCAVATION AND EMBANKMENT, UNLESS OTHERWISE NOTED.
- THIS PROJECT IS COVERED UNDER A SECTION 404 NATIONWIDE 14 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2003, FOR PERMIT REQUIREMENTS.

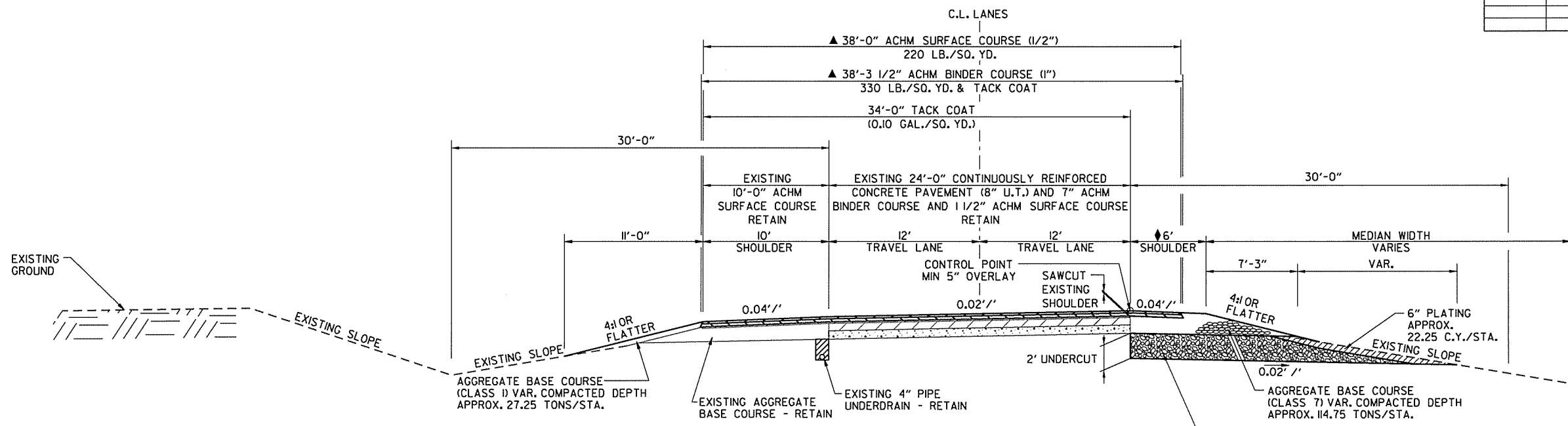
INDEX OF SHEETS,  
GOVERNING SPECIFICATIONS,  
& GENERAL NOTES

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.		BB0306	3	148

② TYPICAL SECTIONS OF IMPROVEMENT



11-15-2013



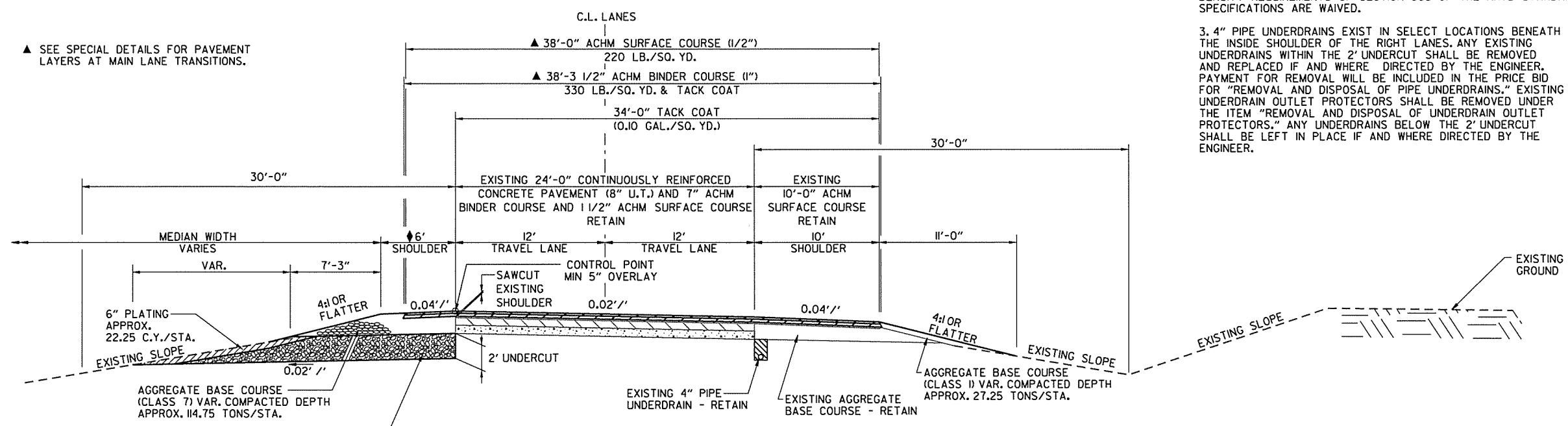
**I-30 TYPICAL SECTION**  
LEFT LANE SHOWN

STA. 959+00.00 TO STA. 1006+09.65  
 STA. 1008+32.65 TO STA. 1046+82.50  
 STA. 1048+67.50 TO STA. 1118+75.97  
 STA. 1128+75.97 TO STA. 1174+78.50  
 STA. 1177+01.50 TO STA. 1202+71.00  
 STA. 1204+19.00 TO STA. 1215+01.00  
 STA. 1216+99.00 TO STA. 1316+83.39  
 STA. 1322+30.74 TO STA. 1335+00.00

◆ UNDERCUT EXISTING SHOULDER (INSIDE) 2' BELOW EXISTING SHOULDER BASE MATERIAL AND RECONSTRUCT WITH SM-3 AND REPLACE AGGREGATE BASE AND SHOULDER SURFACING.

▲ SEE SPECIAL DETAILS FOR PAVEMENT LAYERS AT MAIN LANE TRANSITIONS.

- NOTES:
1. THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT LANE LINES.
  2. AGGREGATE BASE COURSE (CLASS I) SHALL BE UNIFORMLY COMPACTED, STABLE, AND FREE OF SEGREGATED AREAS. THE DENSITY REQUIREMENTS OF SECTION 303 OF THE AHTD STANDARD SPECIFICATIONS ARE WAIVED.
  3. 4" PIPE UNDERDRAINS EXIST IN SELECT LOCATIONS BENEATH THE INSIDE SHOULDER OF THE RIGHT LANES. ANY EXISTING UNDERDRAINS WITHIN THE 2' UNDERCUT SHALL BE REMOVED AND REPLACED IF AND WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR REMOVAL WILL BE INCLUDED IN THE PRICE BID FOR "REMOVAL AND DISPOSAL OF PIPE UNDERDRAINS." EXISTING UNDERDRAIN OUTLET PROTECTORS SHALL BE REMOVED UNDER THE ITEM "REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS." ANY UNDERDRAINS BELOW THE 2' UNDERCUT SHALL BE LEFT IN PLACE IF AND WHERE DIRECTED BY THE ENGINEER.



**I-30 TYPICAL SECTION**  
RIGHT LANE SHOWN

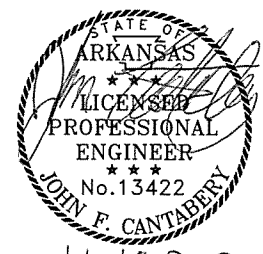
STA. 959+00.00 TO STA. 1007+23.37  
 STA. 1009+46.37 TO STA. 1046+82.50  
 STA. 1048+67.50 TO STA. 1152+44.25  
 STA. 1162+44.25 TO STA. 1174+78.50  
 STA. 1177+01.50 TO STA. 1202+71.00  
 STA. 1204+19.00 TO STA. 1215+01.00  
 STA. 1216+99.00 TO STA. 1319+64.06  
 STA. 1324+99.91 TO STA. 1335+00.00

TYPICAL SECTIONS OF IMPROVEMENT

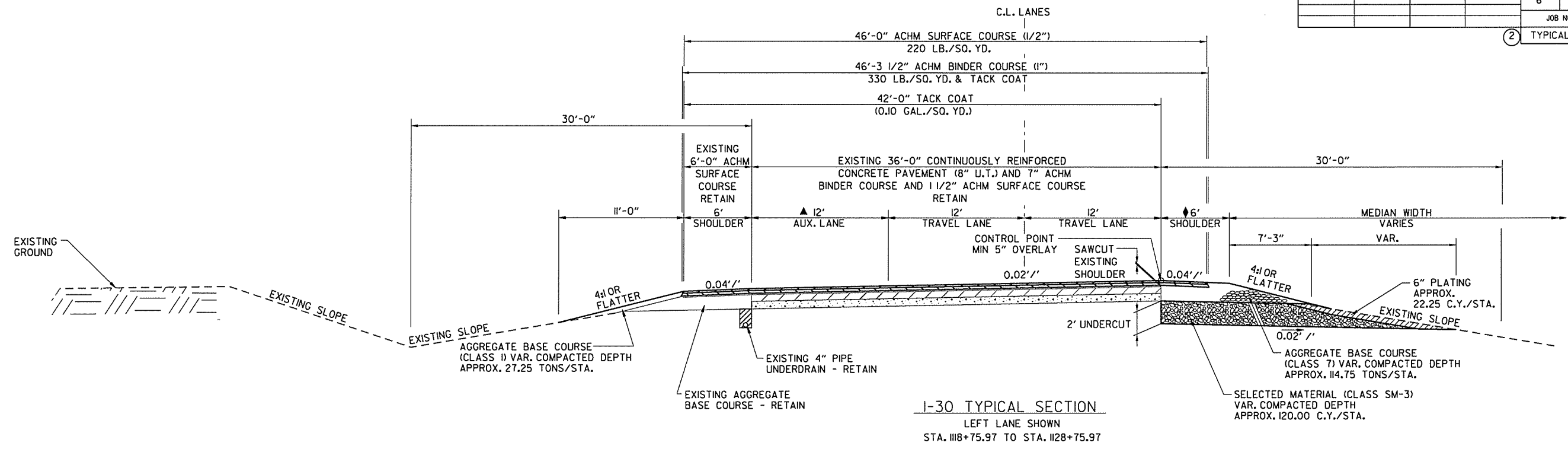
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2 TYPICAL SECTIONS OF IMPROVEMENT



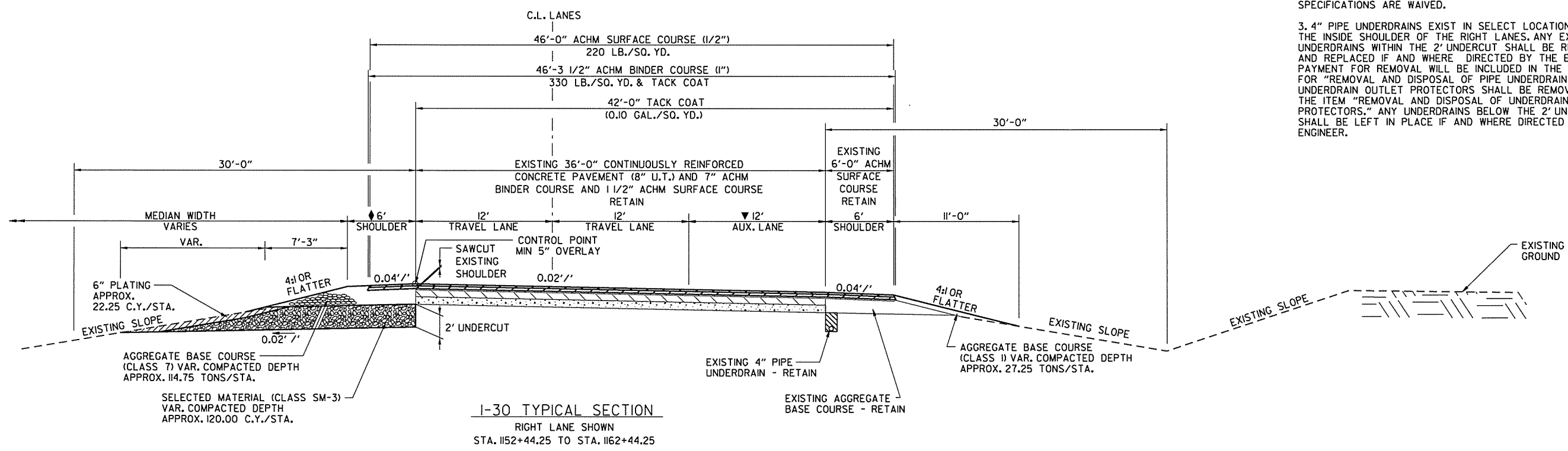
11-15-2013



I-30 TYPICAL SECTION  
LEFT LANE SHOWN  
STA. 1118+75.97 TO STA. 1128+75.97

- ▲ TRANSITION FROM 0' @ STA. 1118+75.97 TO 12' @ STA. 1121+75.97
- ◆ UNDERCUT EXISTING SHOULDER (INSIDE) 2' BELOW EXISTING SHOULDER BASE MATERIAL AND RECONSTRUCT WITH SM-3 AND REPLACE AGGREGATE BASE AND SHOULDER SURFACING.

- NOTES:
1. THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT LANE LINES.
  2. AGGREGATE BASE COURSE (CLASS 1) SHALL BE UNIFORMLY COMPACTED, STABLE, AND FREE OF SEGREGATED AREAS. THE DENSITY REQUIREMENTS OF SECTION 303 OF THE AHTD STANDARD SPECIFICATIONS ARE WAIVED.
  3. 4" PIPE UNDERDRAINS EXIST IN SELECT LOCATIONS BENEATH THE INSIDE SHOULDER OF THE RIGHT LANES. ANY EXISTING UNDERDRAINS WITHIN THE 2' UNDERCUT SHALL BE REMOVED AND REPLACED IF AND WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR REMOVAL WILL BE INCLUDED IN THE PRICE BID FOR "REMOVAL AND DISPOSAL OF PIPE UNDERDRAINS." EXISTING UNDERDRAIN OUTLET PROTECTORS SHALL BE REMOVED UNDER THE ITEM "REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS." ANY UNDERDRAINS BELOW THE 2' UNDERCUT SHALL BE LEFT IN PLACE IF AND WHERE DIRECTED BY THE ENGINEER.



I-30 TYPICAL SECTION  
RIGHT LANE SHOWN  
STA. 1152+44.25 TO STA. 1162+44.25

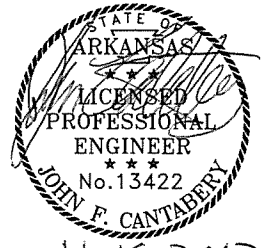
- ▼ TRANSITION FROM 12' @ STA. 1159+44.25 TO 0' @ STA. 1162+44.25

TYPICAL SECTIONS OF IMPROVEMENT

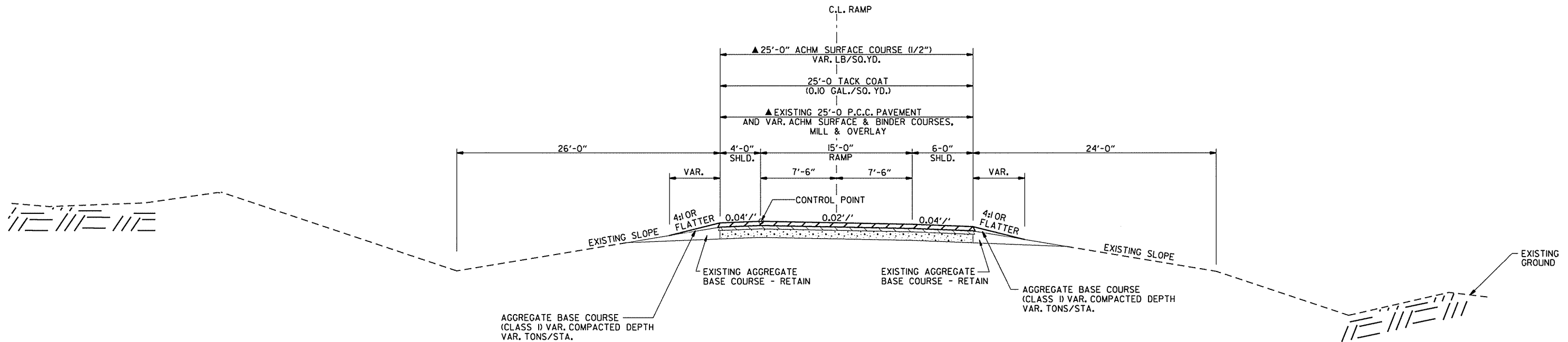
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				6	ARK.			
				JOB NO.		BBO306	5	148

② TYPICAL SECTIONS OF IMPROVEMENT



11-15-2013



**RAMP TYPICAL SECTION**  
(SHOWN IN THE DIRECTION OF TRAFFIC)

- RAMP 1 STA. 1125+35.88 TO STA. 1127+85.88
- RAMP 2 STA. 1149+94.82 TO STA. 1152+44.82
- RAMP 3 STA. 1153+14.91 TO STA. 1155+64.91
- RAMP 4 STA. 1128+75.40 TO STA. 1131+25.40

▲ SEE SPECIAL DETAIL "DETAIL FOR WEIGH STATION RAMP TRANSITIONS" FOR PROPOSED PAVEMENT THICKNESS AND MILLING DEPTHS.

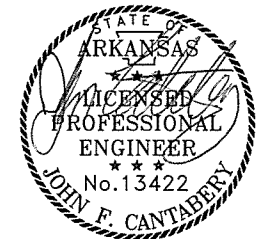
**NOTES:**

1. AGGREGATE BASE COURSE (CLASS I) SHALL BE UNIFORMLY COMPACTED, STABLE, AND FREE OF SEGREGATED AREAS. THE DENSITY REQUIREMENTS OF SECTION 303 OF THE AHTD STANDARD SPECIFICATIONS ARE WAIVED.

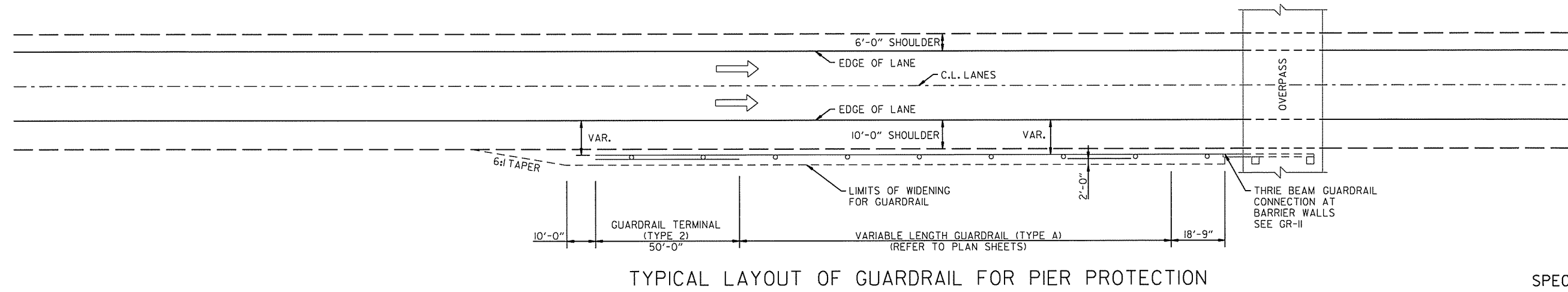
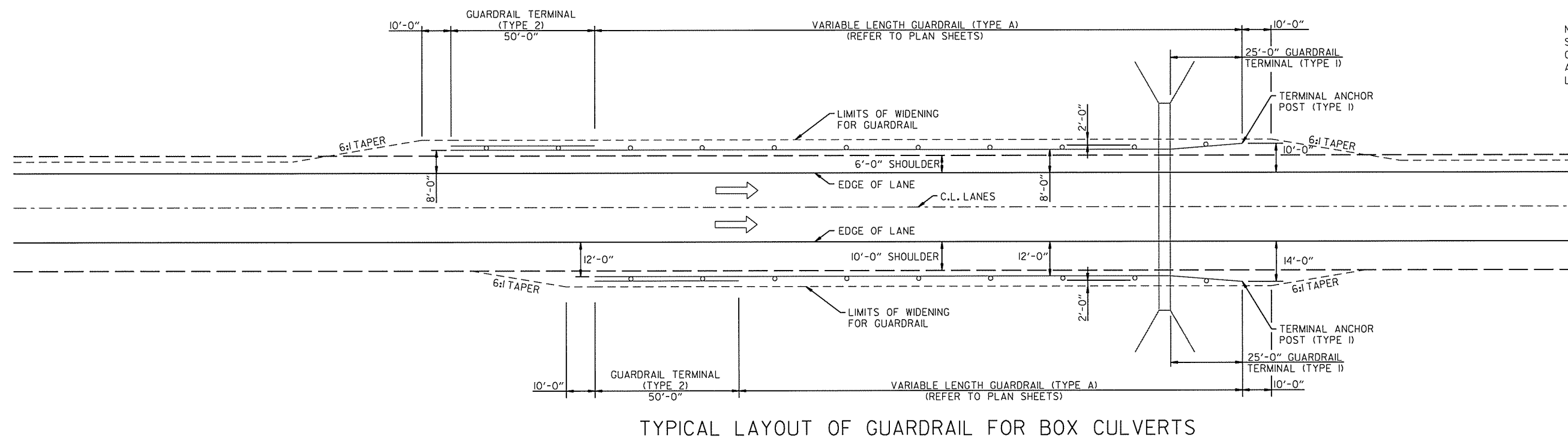
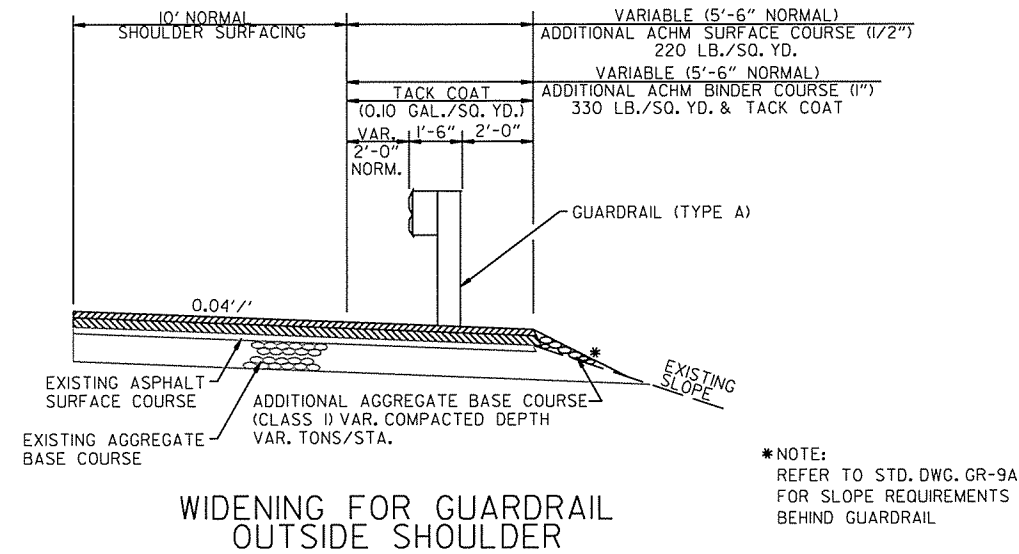
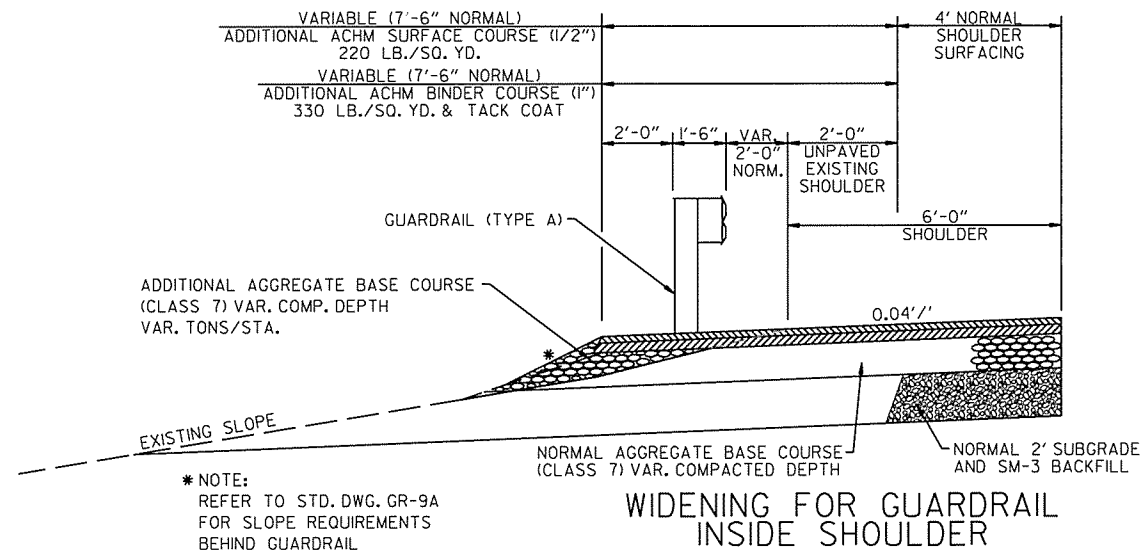
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				6	ARK.			
				JOB NO.	BBO306		6	148

2 SPECIAL DETAILS



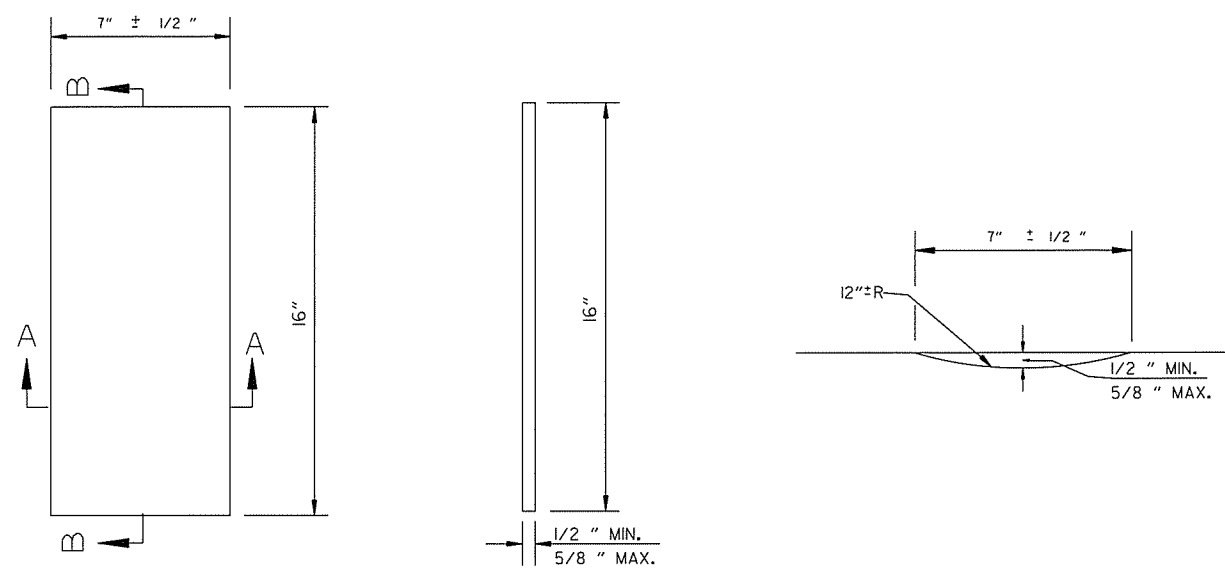
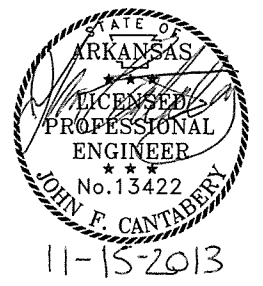
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SPECIAL DETAILS

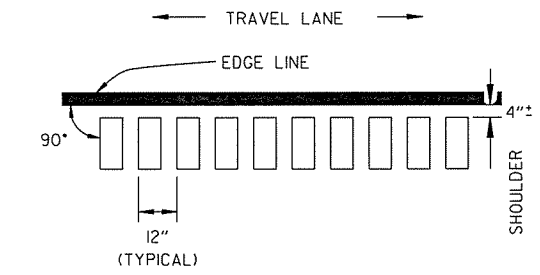
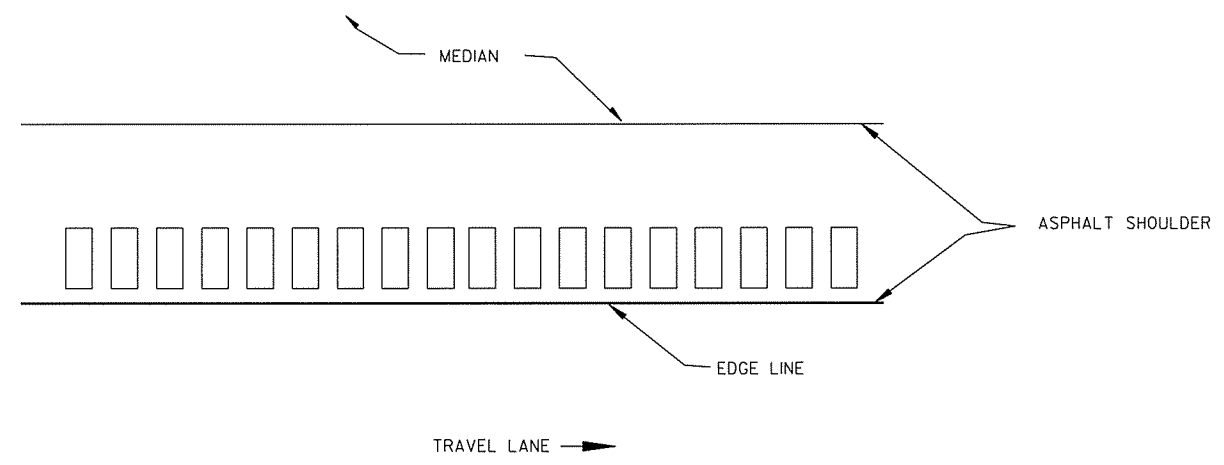
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				6	ARK.			
				JOB NO.	BBO306		7	148
② SPECIAL DETAILS								



PLAN SECTION B-B SECTION A-A

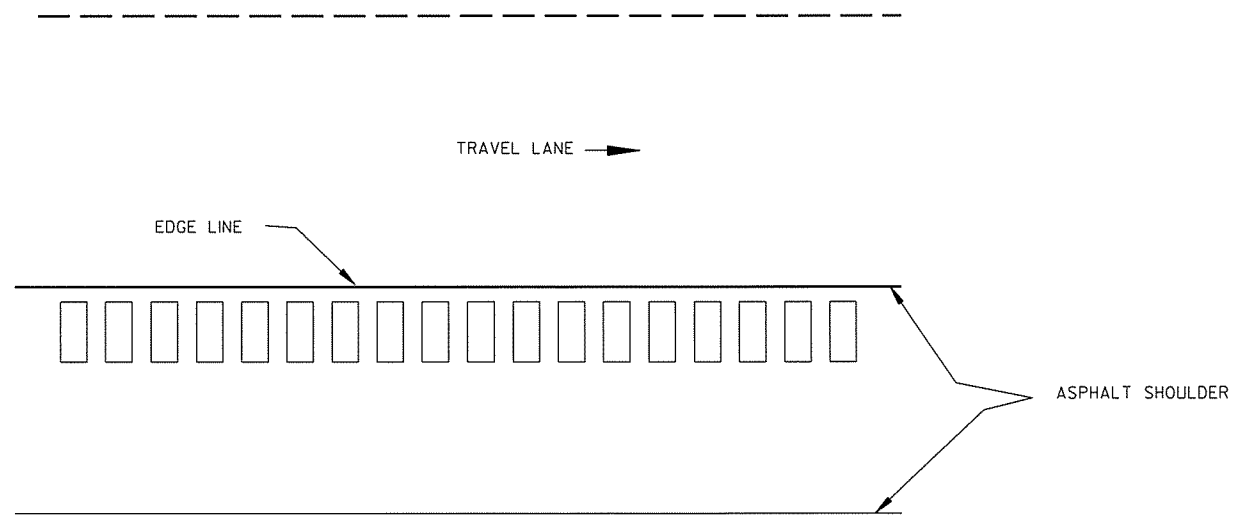
DETAILS OF RUMBLE STRIPS



LOCATION PLAN OF RUMBLE STRIPS  
LEFT OR RIGHT SHOULDER

NOTES:

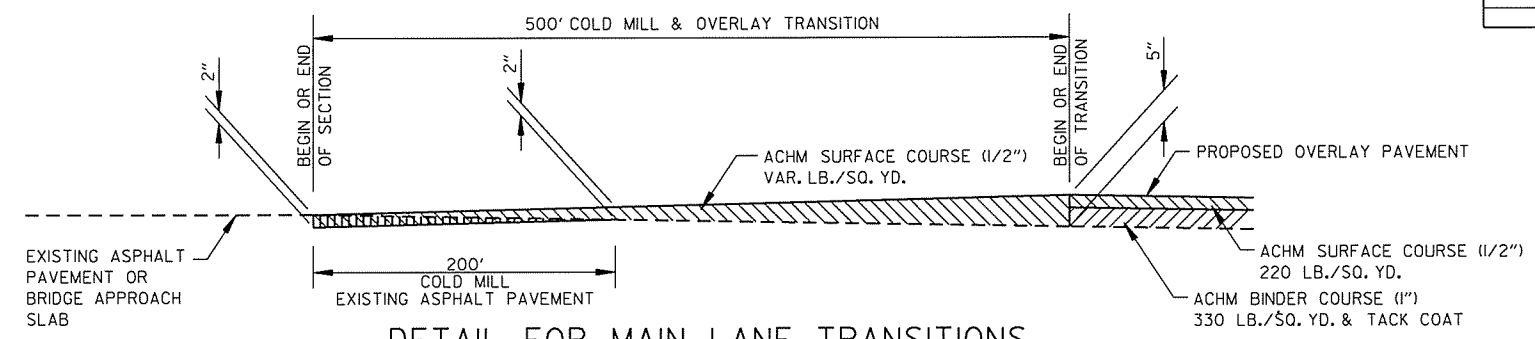
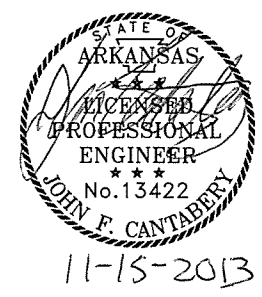
1. ALIGNMENT OF RUMBLE STRIPS SHALL GENERALLY BE STRAIGHT AND OFFSET APPROXIMATELY 4" FROM THE OUTER EDGE OF THE EDGE LINE. THIS OFFSET MAY BE ADJUSTED TO ACCOMMODATE VARIATIONS IN THE EDGE LINE AS WELL AS TO AVOID EXISTING LONGITUDINAL JOINTS.
2. THE 1/2" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 16"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



PLAN VIEW

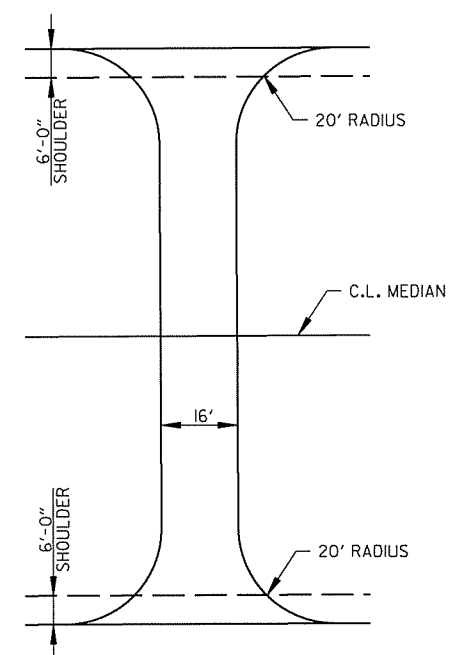
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 REVISION DATE:

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.	148
							BBO306	8
2 SPECIAL DETAILS								



**DETAIL FOR MAIN LANE TRANSITIONS**

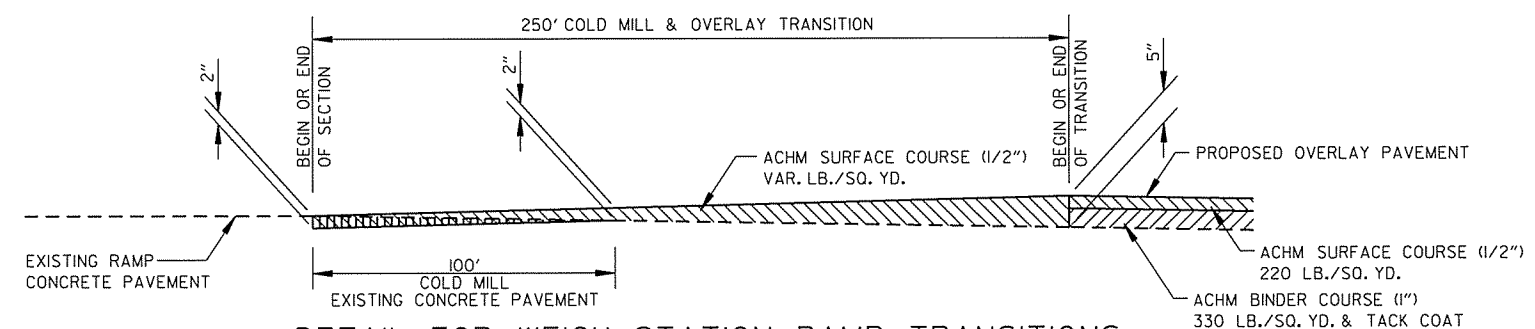
LEFT LANE	RIGHT LANE
STA. 954+00.00 TO STA. 959+00.00	STA. 954+00.00 TO STA. 959+00.00
STA. 1001+09.65 TO STA. 1006+09.65	STA. 1002+23.37 TO STA. 1007+23.37
STA. 1008+32.65 TO STA. 1013+32.65	STA. 1009+46.37 TO STA. 1014+46.37
STA. 1041+82.50 TO STA. 1046+82.50	STA. 1041+82.50 TO STA. 1046+82.50
STA. 1048+67.50 TO STA. 1053+67.50	STA. 1048+67.50 TO STA. 1053+67.50
STA. 1169+78.50 TO STA. 1174+78.50	STA. 1169+78.50 TO STA. 1174+78.50
STA. 1177+01.50 TO STA. 1182+01.50	STA. 1177+01.50 TO STA. 1182+01.50
STA. 1197+71.00 TO STA. 1202+71.00	STA. 1197+71.00 TO STA. 1202+71.00
STA. 1204+19.00 TO STA. 1209+19.00	STA. 1204+19.00 TO STA. 1209+19.00
STA. 1210+01.00 TO STA. 1215+01.00	STA. 1210+01.00 TO STA. 1215+01.00
STA. 1216+99.00 TO STA. 1221+99.00	STA. 1216+99.00 TO STA. 1221+99.00
STA. 1311+83.39 TO STA. 1316+83.39	STA. 1314+64.06 TO STA. 1319+64.06
STA. 1322+30.74 TO STA. 1327+30.74	STA. 1324+99.91 TO STA. 1329+99.91
STA. 1335+00.00 TO STA. 1340+00.00	STA. 1335+00.00 TO STA. 1340+00.00



**DETAIL FOR PAVED MEDIAN CROSSING**

STA. 1103+58.89  
STA. 1169+82.13

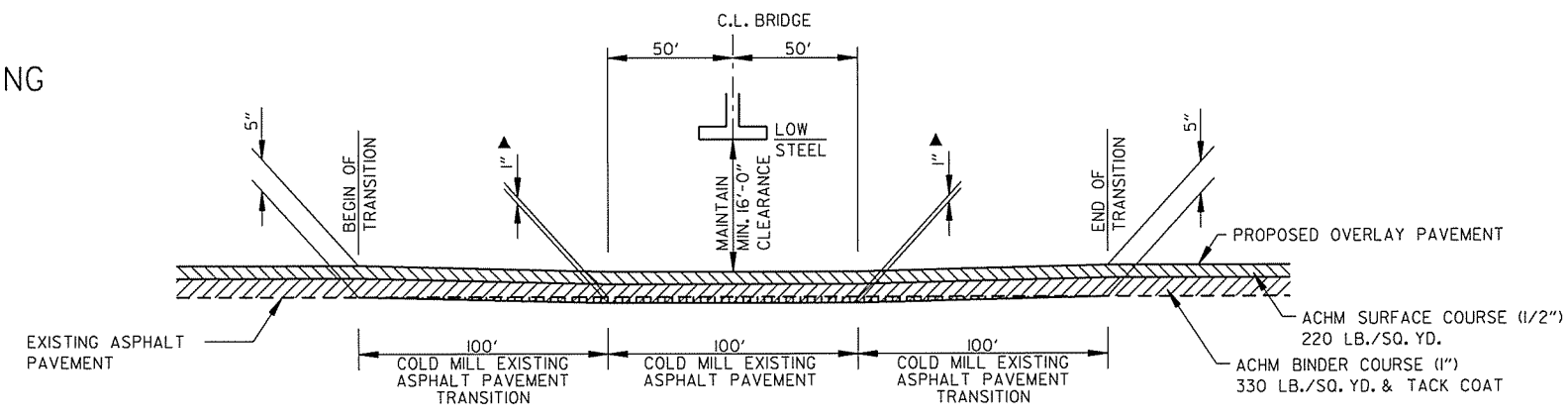
NOTE:  
MEDIAN CROSSING TO BE OVERLAID WITH ACHM SURFACE COURSE (1/2") - 220 LB./SQ. YD. AND ACHM BINDER COURSE (1") - 330 LB./SQ. YD. AS SHOWN IN MAIN LANE TYPICAL SECTIONS.



**DETAIL FOR WEIGH STATION RAMP TRANSITIONS**

RAMP 1 STA. 1125+35.88 TO STA. 1127+85.88
RAMP 2 STA. 1149+94.82 TO STA. 1152+44.82
RAMP 3 STA. 1153+14.91 TO STA. 1155+64.91
RAMP 4 STA. 1128+75.40 TO STA. 1131+25.40

██████████ DENOTES EXISTING ASPHALT TO BE REMOVED BY COLD MILLING



**DETAIL FOR MAIN LANE TRANSITION AT MELROSE LANE**

LEFT LANE	RIGHT LANE
STA. 1265+00.14 TO STA. 1268+00.14	STA. 1263+92.93 TO STA. 1266+92.93

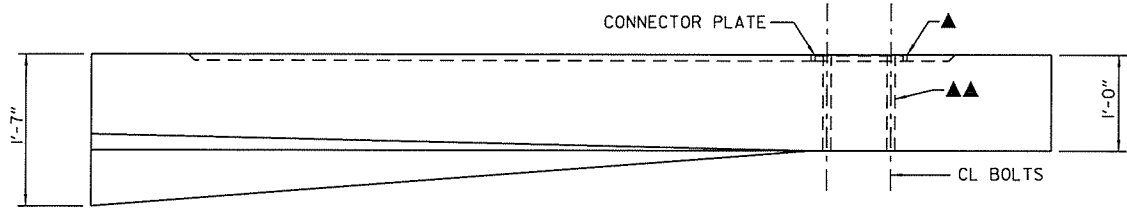
▲ DEPTH OF MILLING SHOWN IS ESTIMATED. ACTUAL DEPTH TO BE DETERMINED IN THE FIELD.

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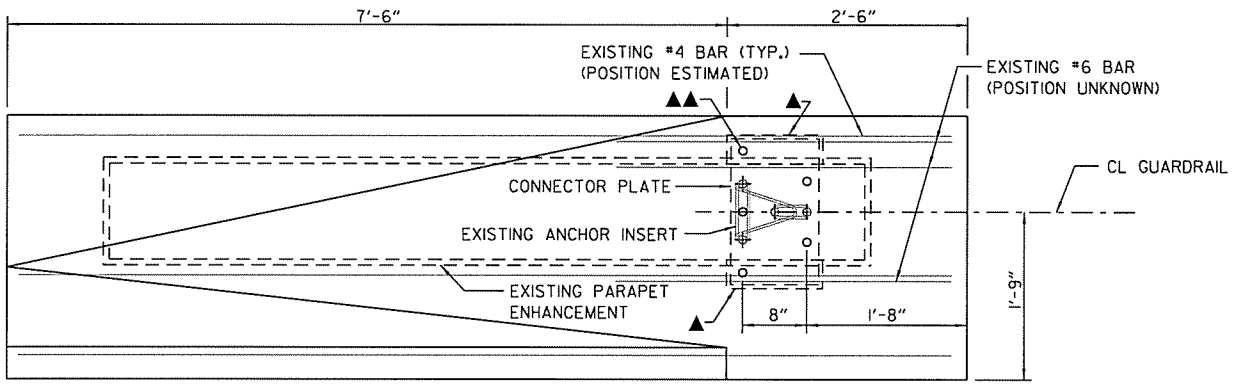


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. BB0306	9	148

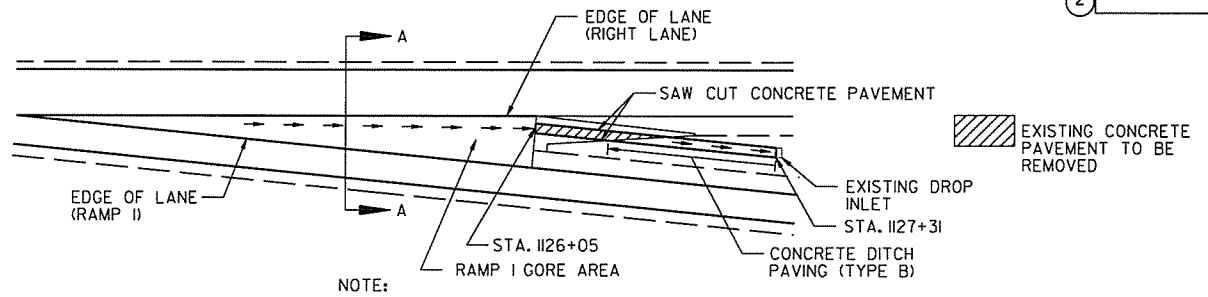
2 SPECIAL DETAILS



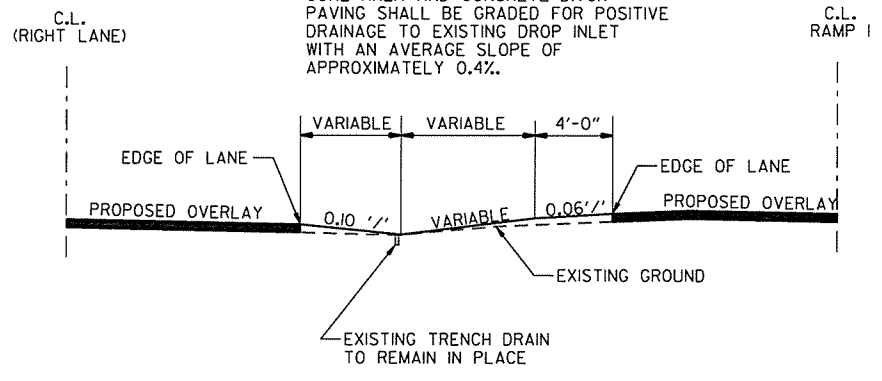
PLAN OF GUARDRAIL CONNECTION AT BRIDGE END



ELEVATION OF GUARDRAIL CONNECTION AT BRIDGE END

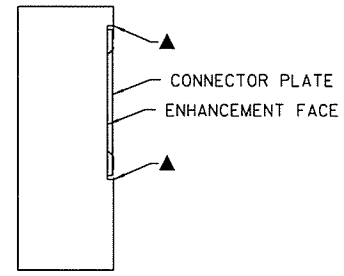


NOTE:  
GORE AREA AND CONCRETE DITCH PAVING SHALL BE GRADED FOR POSITIVE DRAINAGE TO EXISTING DROP INLET WITH AN AVERAGE SLOPE OF APPROXIMATELY 0.4%.



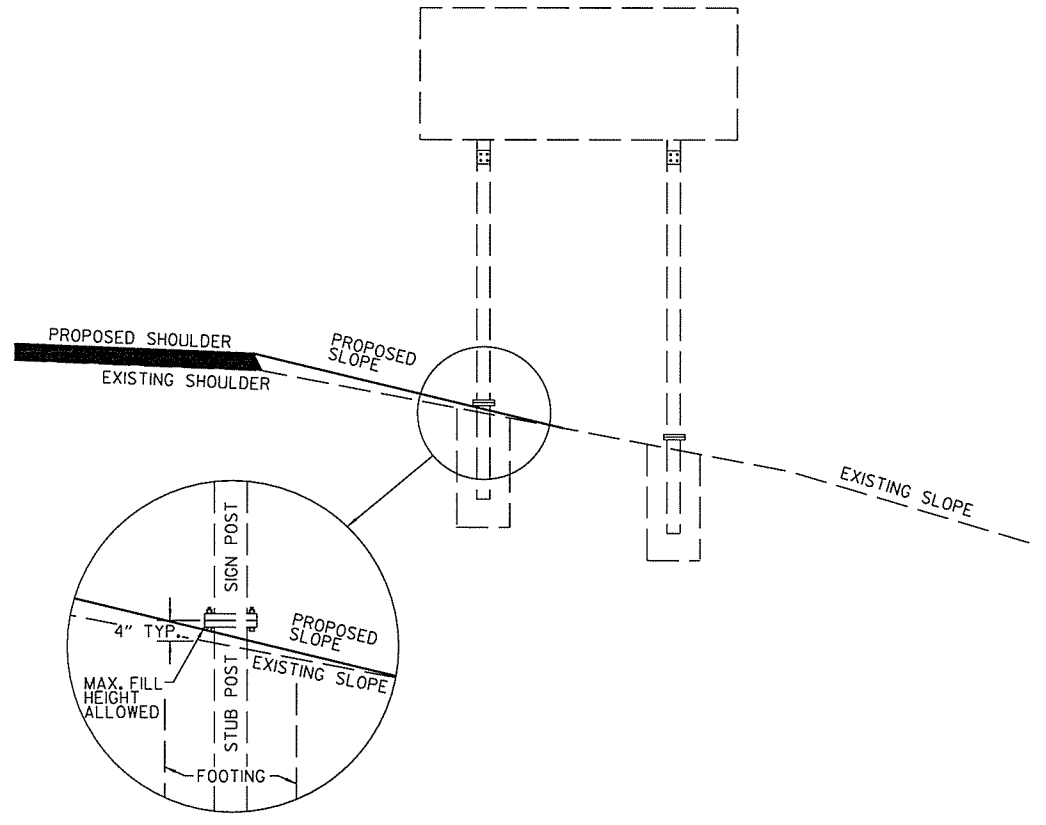
SECTION A-A  
RAMP 1 GORE MODIFICATIONS

- ▲ SAW CUT, CHIP OUT CONCRETE & GROUT AS NEEDED TO MAKE CONNECTOR PLATE FLUSH WITH ENHANCEMENT FACE.
- ▲▲ DRILL 5 - 1" Ø HOLES IN EXISTING RAIL TO ACCOMMODATE NEW THRIE BEAM CONNECTION.



END VIEW  
(SHOWN @ CONNECTOR PLATE)

NOTE:  
ALL WORK ASSOCIATED WITH NEW THRIE BEAM CONNECTIONS WILL BE SUBSIDIARY TO THRIE BEAM GUARDRAIL TERMINAL.



DETAIL FOR THE MAINTENANCE OF EXISTING BREAKAWAY SIGN STRUCTURES

SPECIAL DETAILS

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 REVISION DATE:

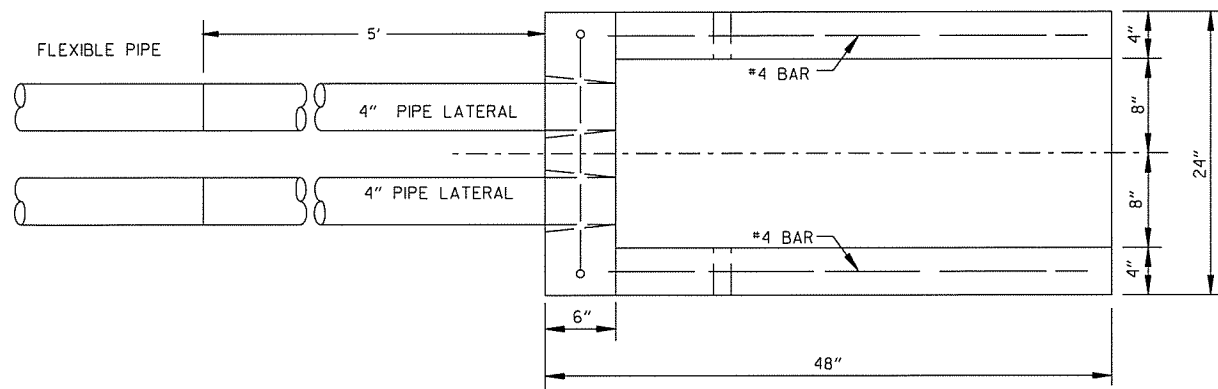
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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2 SPECIAL DETAILS

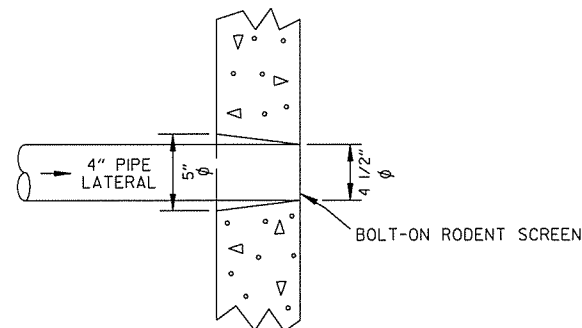


NOTES:

- 4" PIPE UNDERDRAIN LATERALS SHALL BE INSTALLED WHERE DIRECTED BY THE ENGINEER. EXISTING OUTLET PROTECTORS SHOULD BE REMOVED AND REPLACED.
- ANY PIPE UNDERDRAIN OR LATERAL TO REMAIN IN PLACE THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

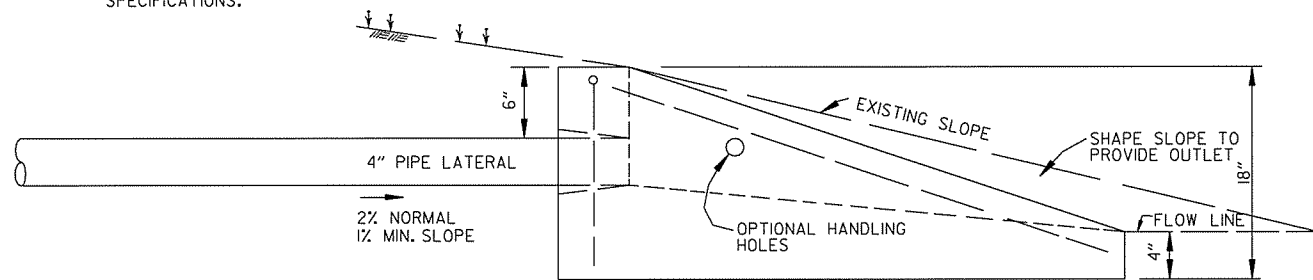


PLAN VIEW

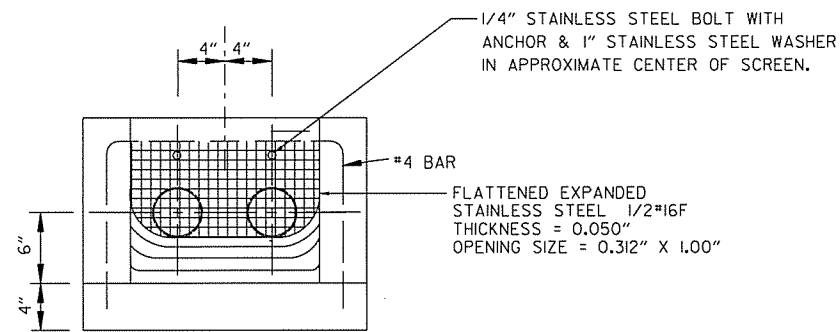


DETAIL OF HOLE FOR 4" PIPE

4" NON-PERFORATED SCHEDULE 40 PVC PIPE LATERALS WITH OUTLET PROTECTORS SHALL BE INSTALLED AS SHOWN HEREON OR AS ON STD. DWG. PU-1. LATERALS WILL BE MEASURED AND PAID FOR AS "4" PIPE UNDERDRAINS." UNDERDRAIN OUTLET PROTECTORS WILL BE MEASURED AND PAID FOR BY THE UNIT IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

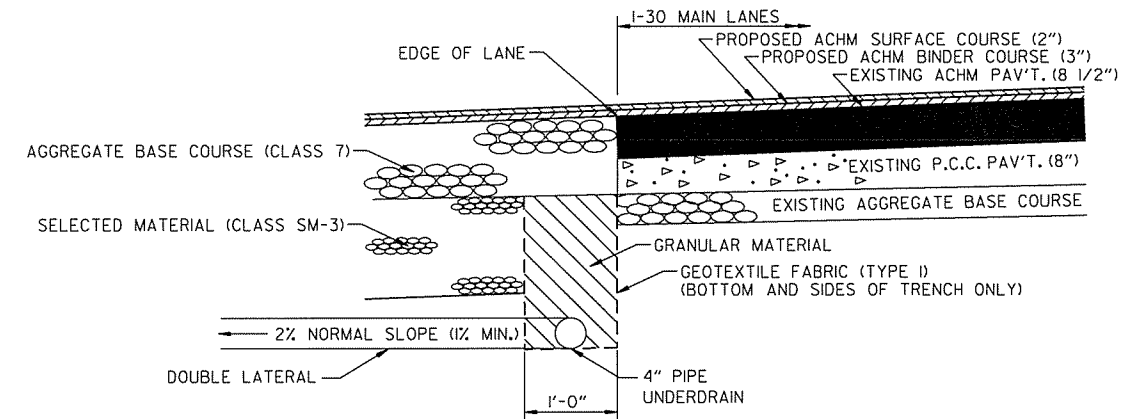


SIDE VIEW

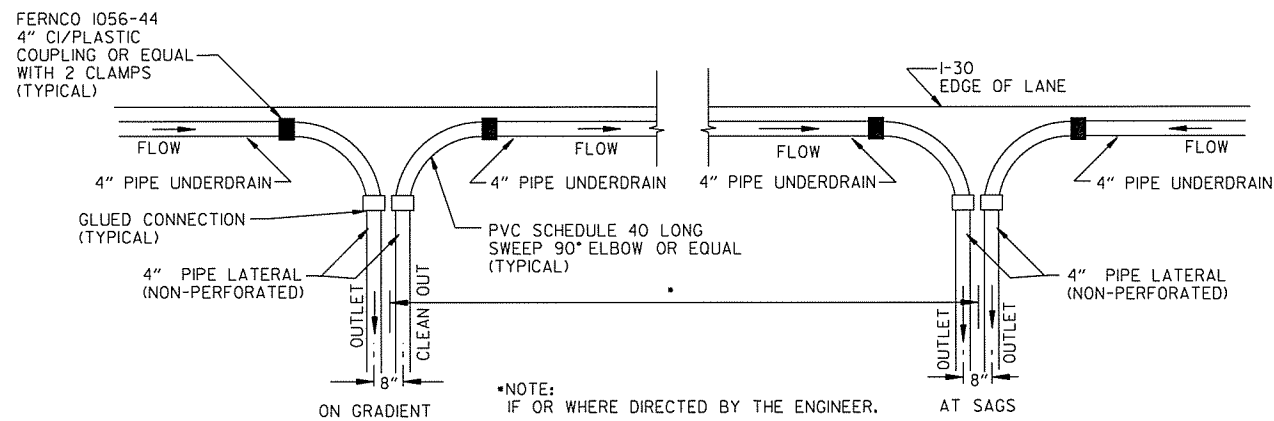


FRONT VIEW

UNDERDRAIN OUTLET PROTECTORS



TYPICAL SECTION OF EXISTING PIPE UNDERDRAINS TO BE RETAINED

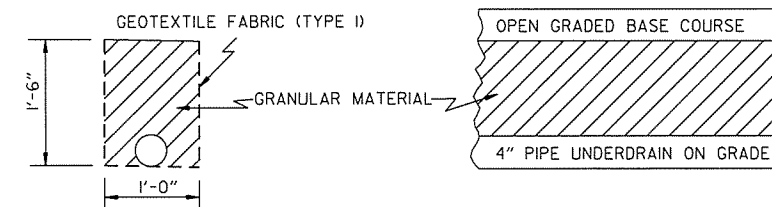


PLAN DETAIL OF EXISTING PIPE UNDERDRAIN LATERAL TO BE RETAINED

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

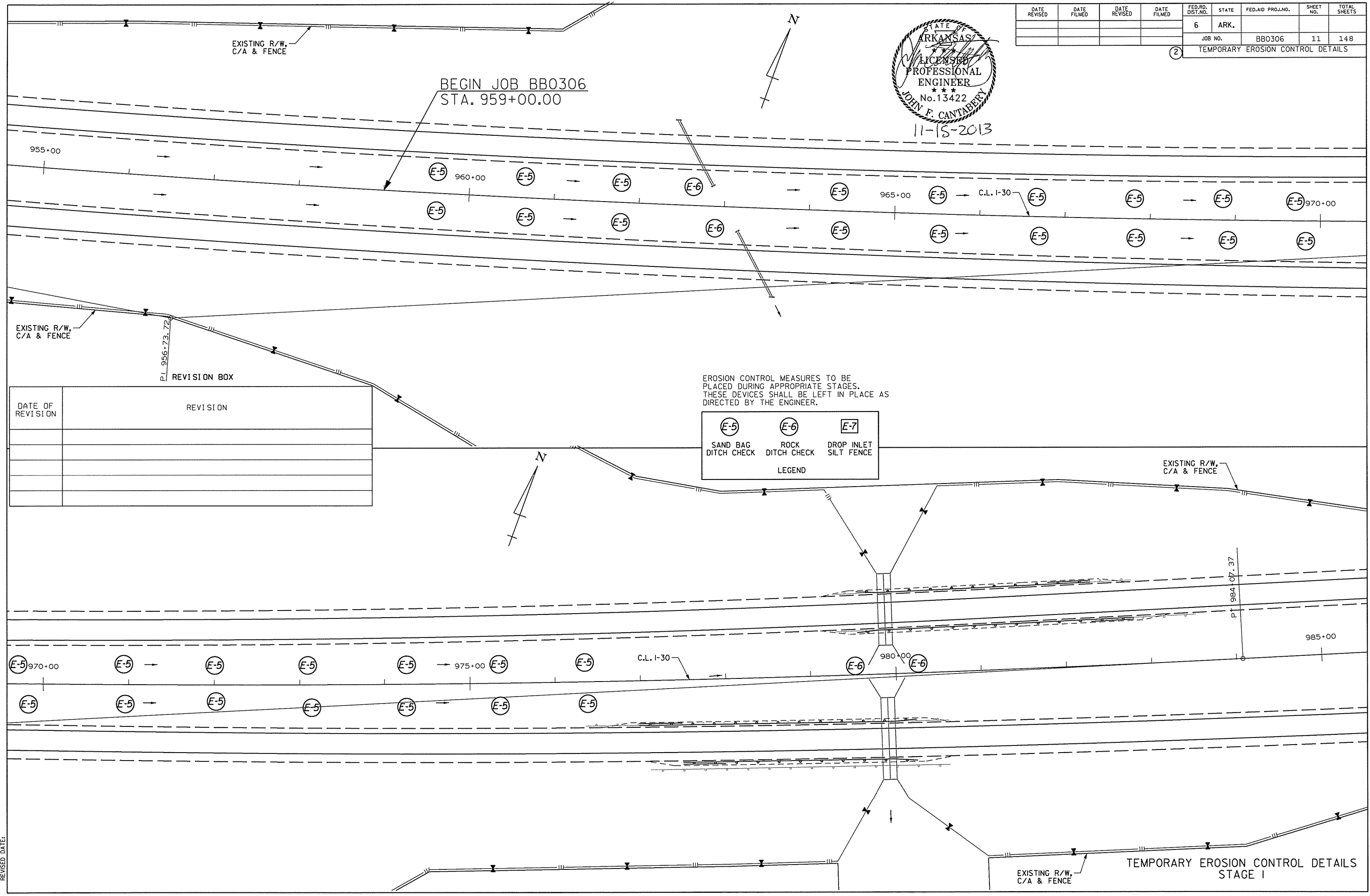
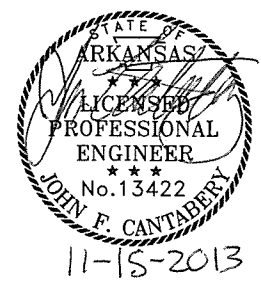
\*NOTE: IF OR WHERE DIRECTED BY THE ENGINEER.

NOTE: GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF SECTION 625 FOR TYPE I. GEOTEXTILE FABRIC SHALL BE PLACED ON BOTTOM AND SIDES OF TRENCH ONLY.



DETAILS OF PIPE UNDERDRAINS

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.	BB0306		11	148
				TEMPORARY EROSION CONTROL DETAILS				



BEGIN JOB BB0306  
STA. 959+00.00

EXISTING R/W,  
C/A & FENCE

955+00

E-5 960+00

E-5

E-5

E-6

E-5

965+00

E-5

C.L. I-30

E-5

E-5

E-5

E-5 970+00

EXISTING R/W,  
C/A & FENCE

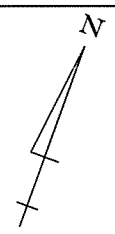
P.I. 956+73.72

REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE  
PLACED DURING APPROPRIATE STAGES.  
THESE DEVICES SHALL BE LEFT IN PLACE AS  
DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		



EXISTING R/W,  
C/A & FENCE

P.T. 984+07.37

985+00

E-5 970+00

E-5

E-5

E-5

E-5

E-5

E-5

E-5

E-5

E-5

E-6

980+00

E-6

E-5

E-5

E-5

E-5

E-5

E-5

E-5

E-5

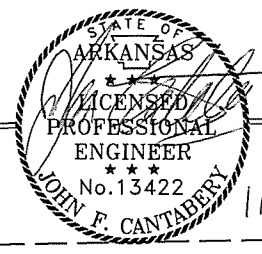
C.L. I-30

EXISTING R/W,  
C/A & FENCE

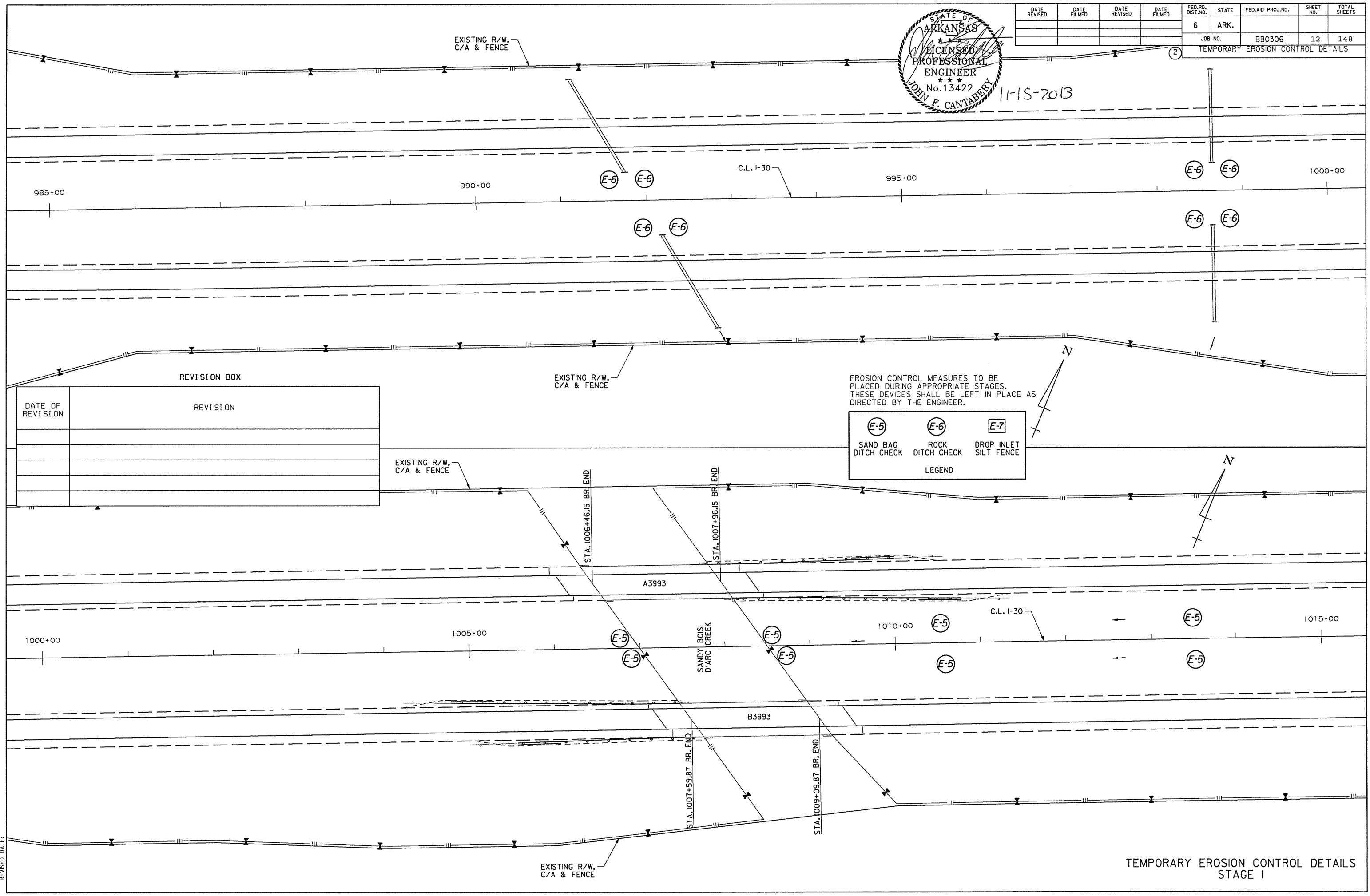
TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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 REVISION DATE:

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TEMPORARY EROSION CONTROL DETAILS								



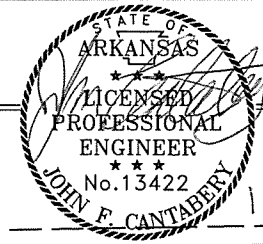
DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

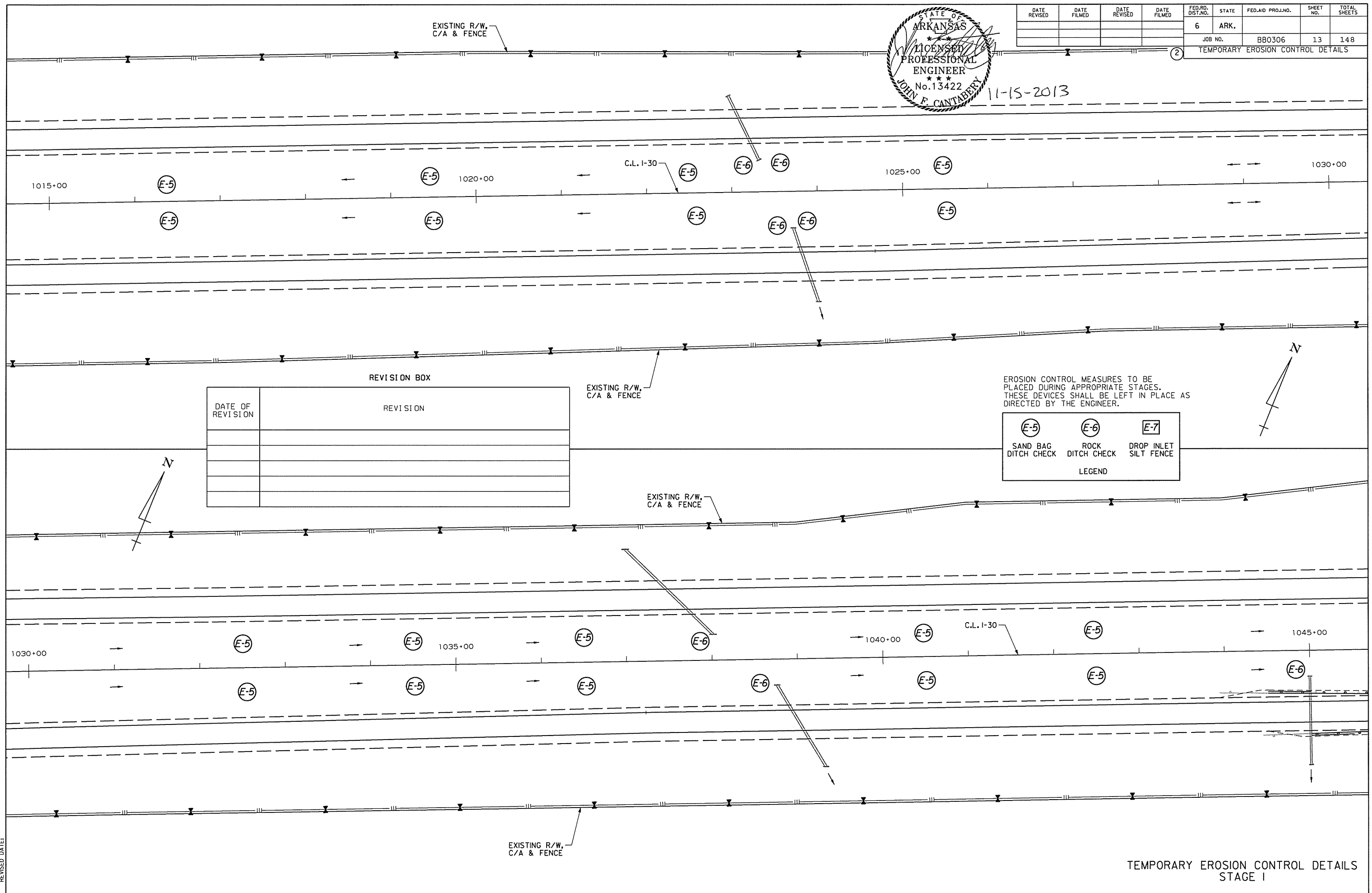
E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

sadonoldson 11/14/2013 2:26:08 PM  
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				JOB NO.	BBO306		13	148
TEMPORARY EROSION CONTROL DETAILS								



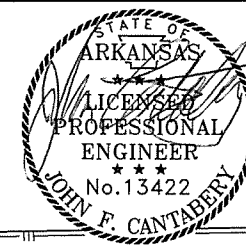
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DATE OF REVISION	REVISION

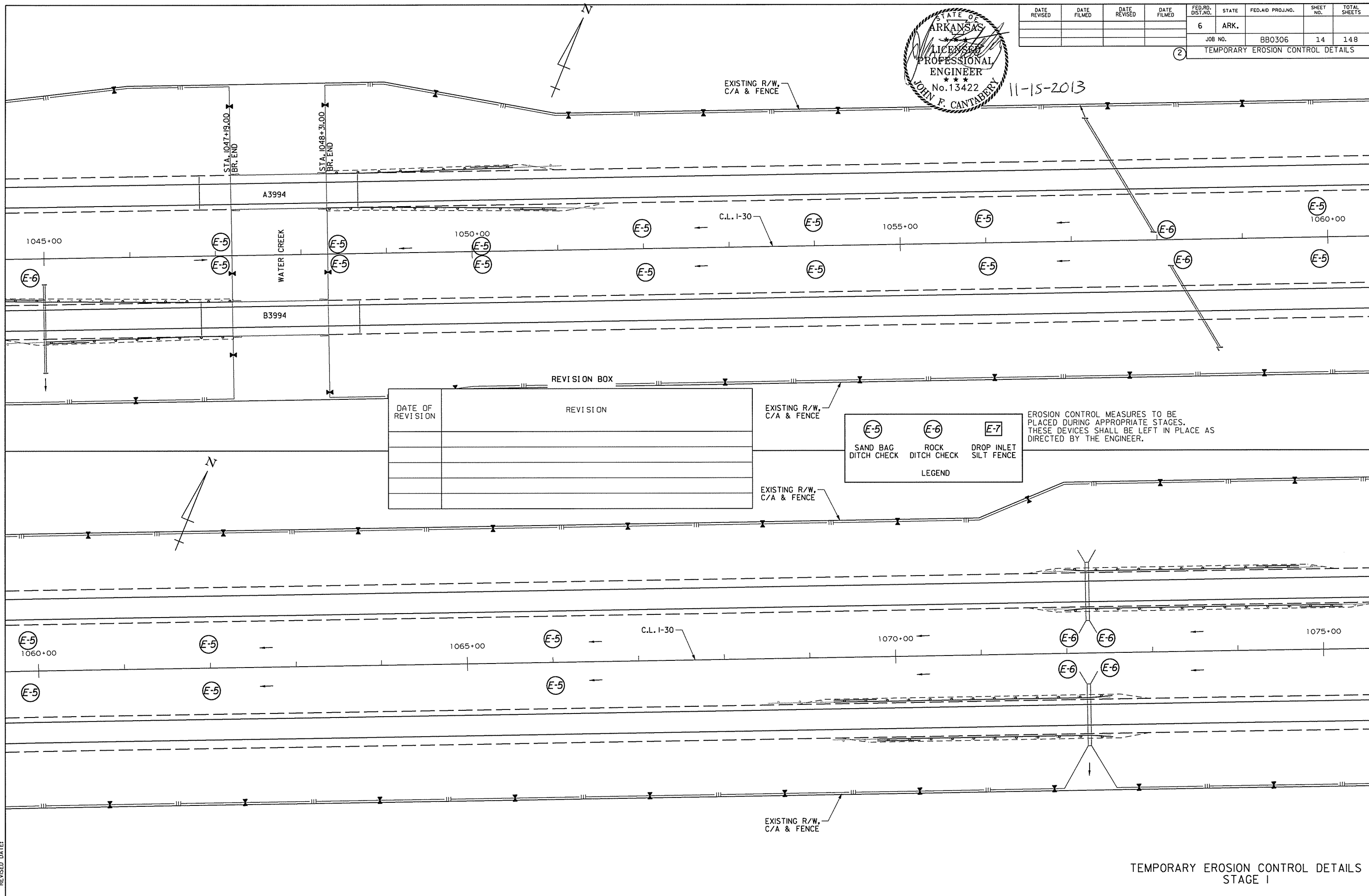
EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

TEMPORARY EROSION CONTROL DETAILS  
STAGE I



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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DATE OF REVISION	REVISION

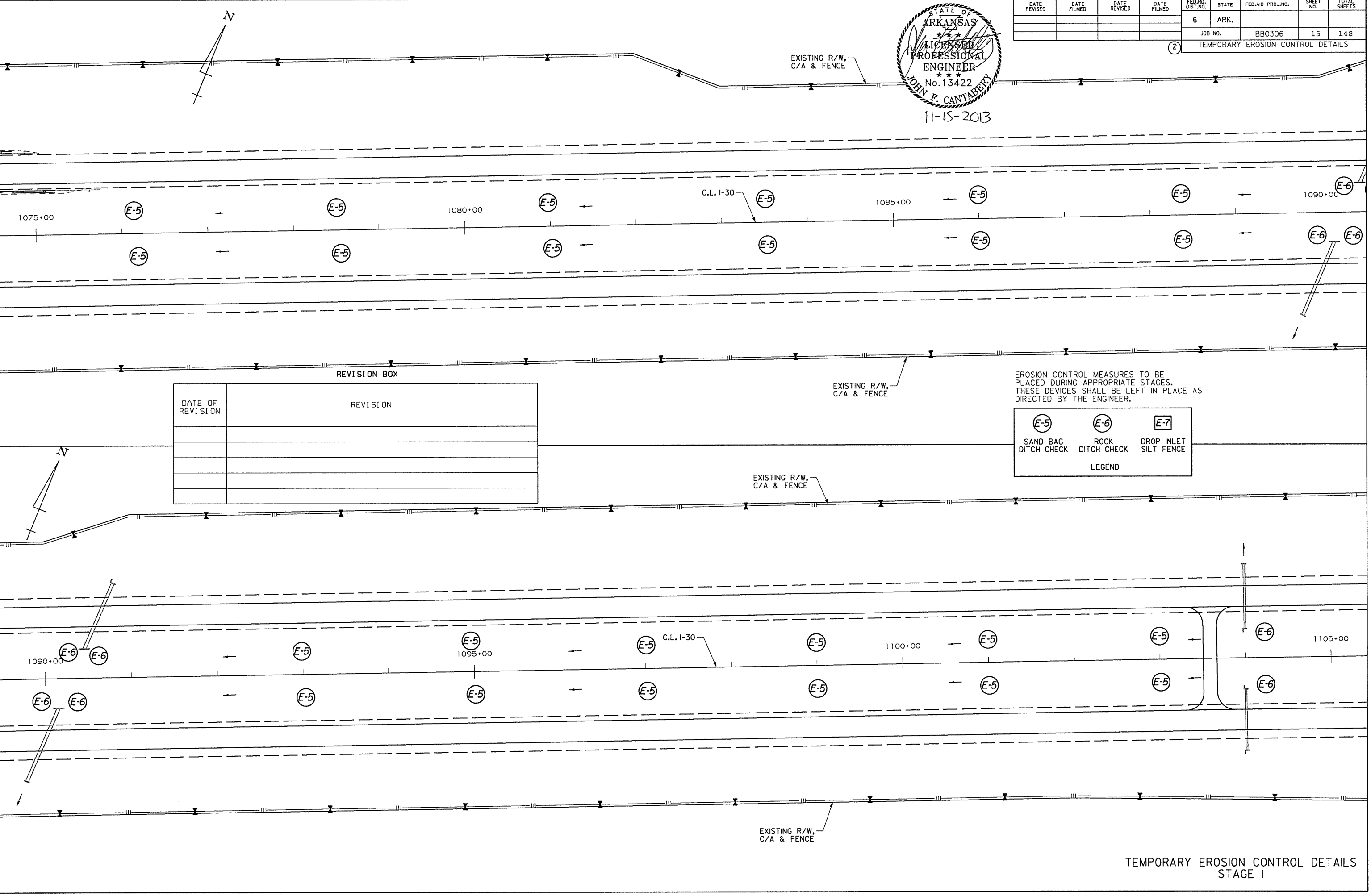
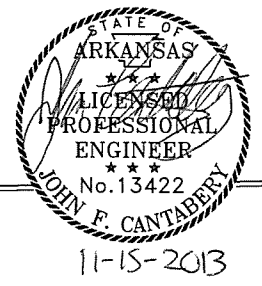
<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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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
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				JOB NO. BBO306		15		148
				TEMPORARY EROSION CONTROL DETAILS				



DATE OF REVISION	REVISION

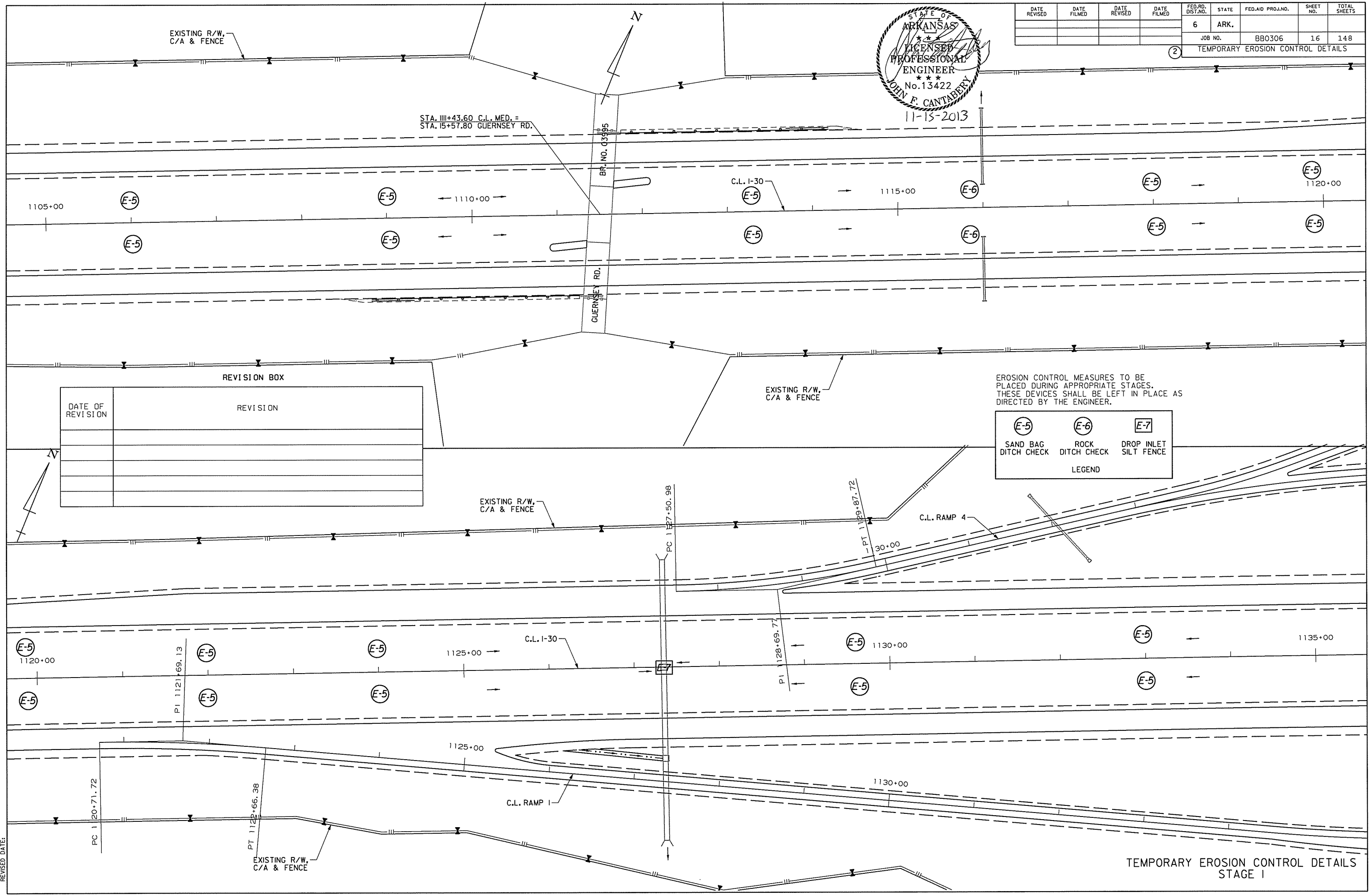
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SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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				6	ARK.			
							JOB NO. BBO306	16 148
TEMPORARY EROSION CONTROL DETAILS								



**REVISION BOX**

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

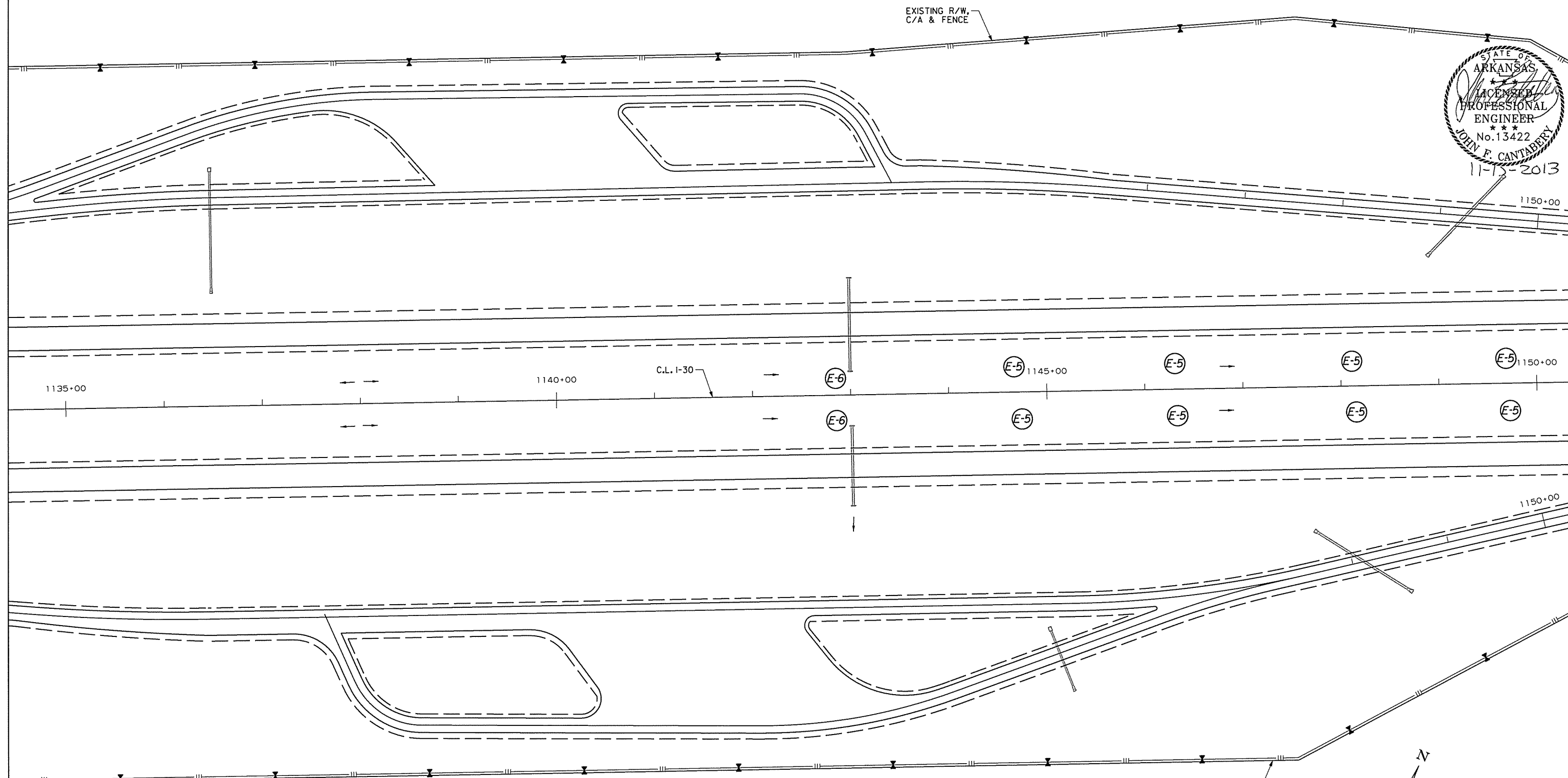
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TEMPORARY EROSION CONTROL DETAILS  
STAGE I



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. BB0306	17	148

2 TEMPORARY EROSION CONTROL DETAILS



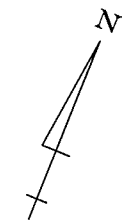
REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

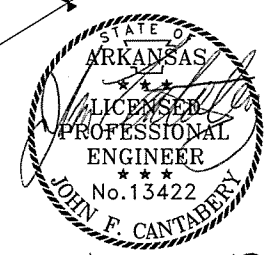
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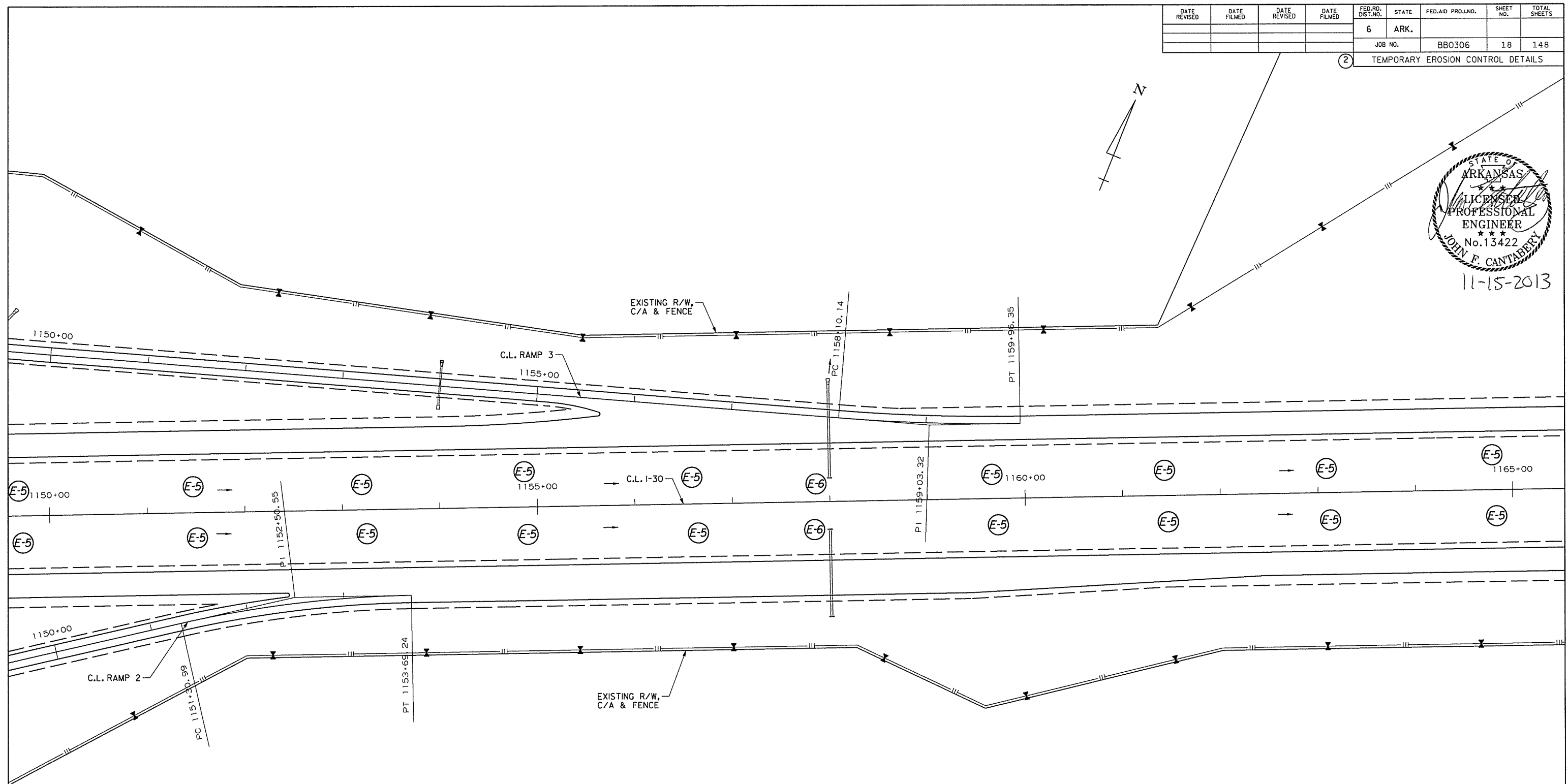
TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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							JOB NO.	148
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							2	TEMPORARY EROSION CONTROL DETAILS



11-15-2013



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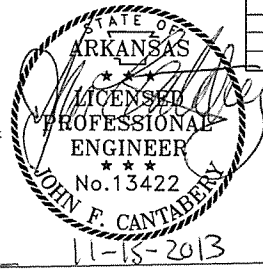
DATE OF REVISION	REVISION

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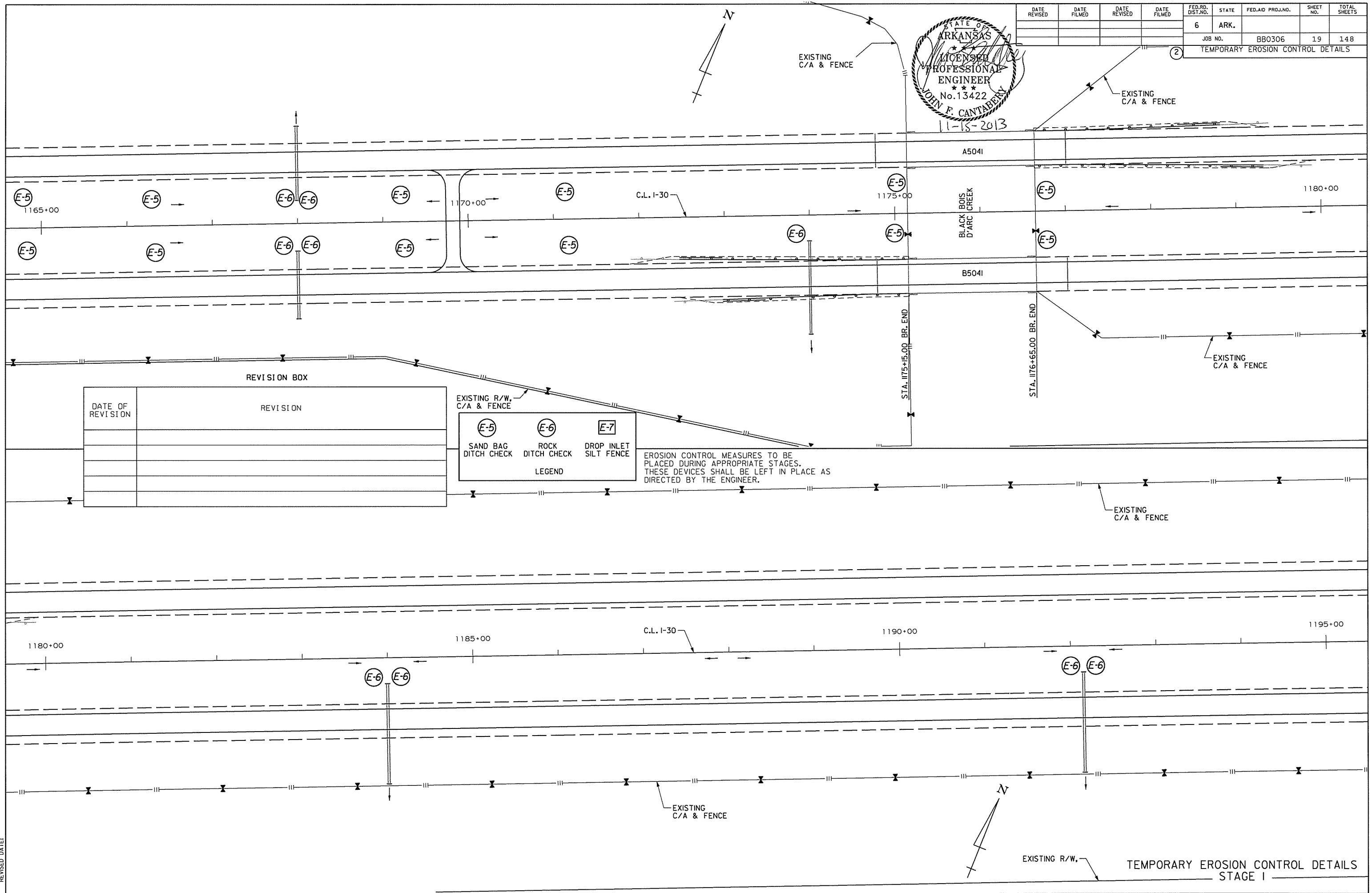
E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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.	BBO306	19	148	



TEMPORARY EROSION CONTROL DETAILS



REVISION BOX

DATE OF REVISION	REVISION

EXISTING R/W, C/A & FENCE

SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
----------------------	------------------	-----------------------

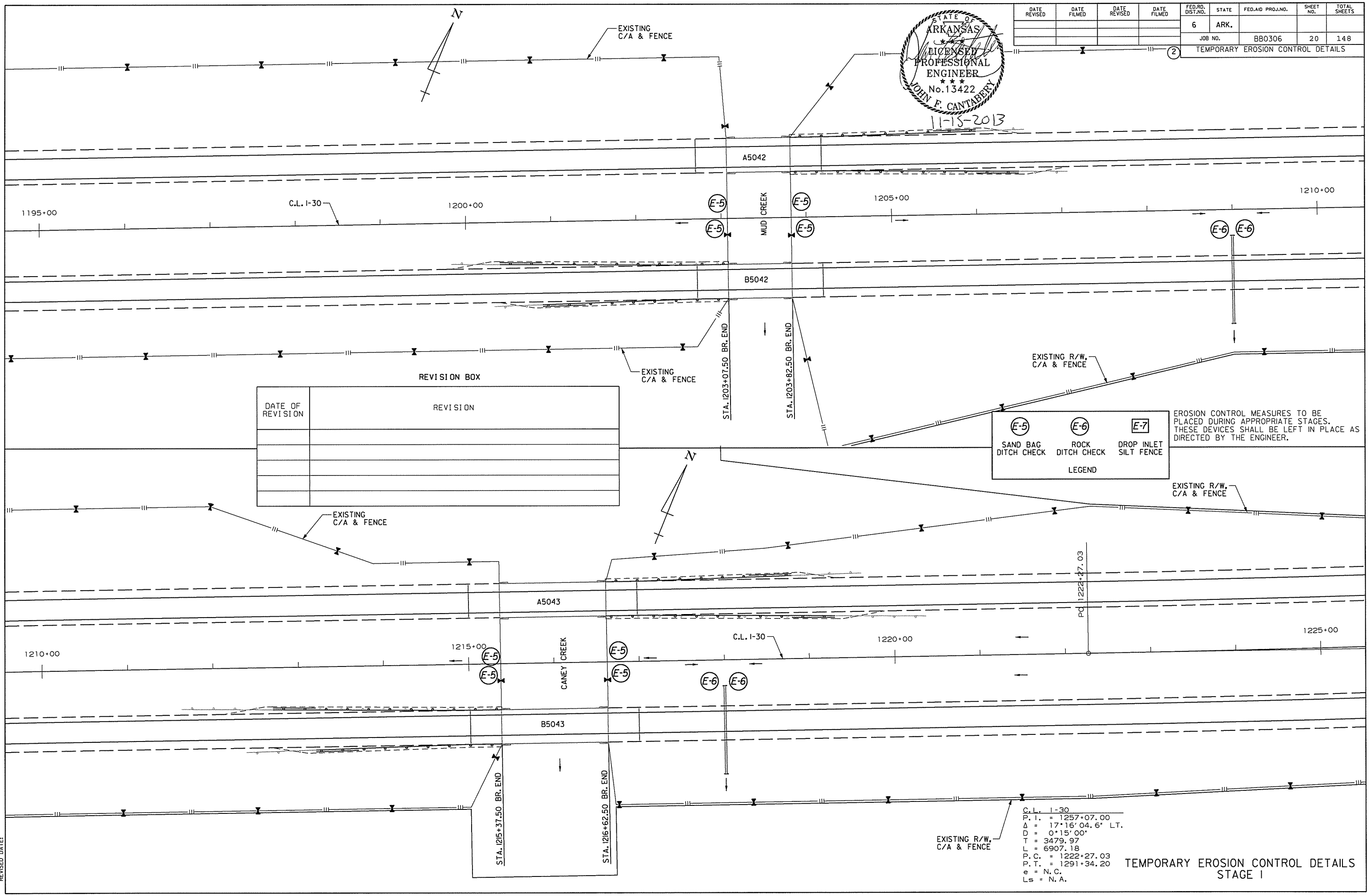
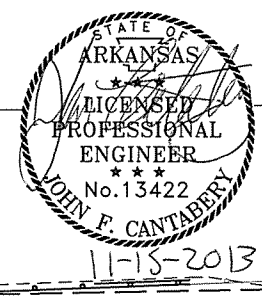
LEGEND

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

sadonaldson 11/14/2013 2:26:09 PM  
 WORKSPACE: AHTD  
 L:\2011\107701 - I-30 Rehabilitation Projects\Drawings\130-EC-STI-09.dgn  
 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		20	148
				JOB NO. BBO306		TEMPORARY EROSION CONTROL DETAILS		



DATE OF REVISION	REVISION

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

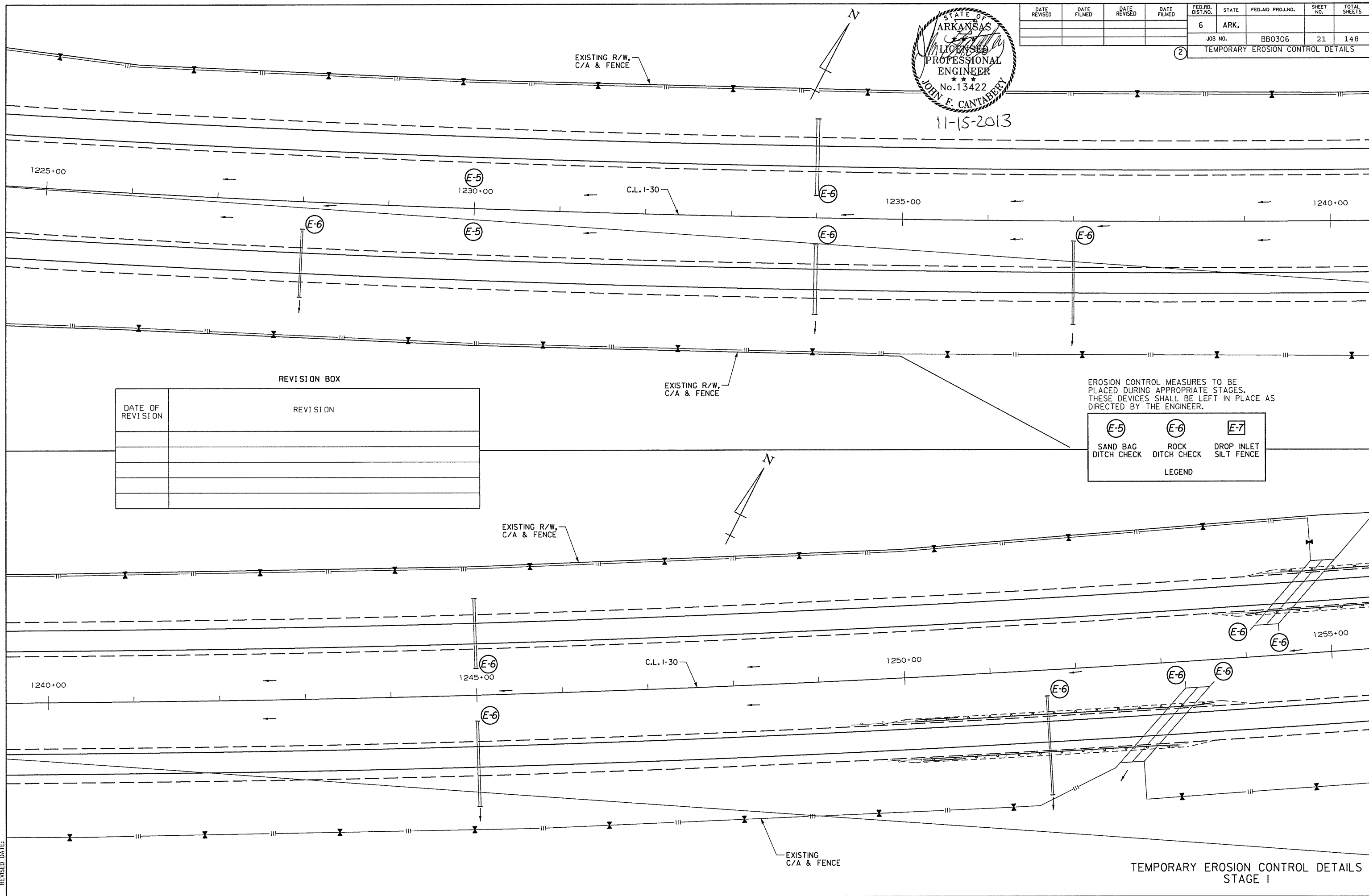
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Δ = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

11/14/2013 2:26:09 PM  
WORKSPACE: AHTD  
L:\2011\1017701 - I-30 Rehabilitation\Projects\Drawings\30\_EC\_STI.dgn  
REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		21	148
				JOB NO. BBO306		21		148
				TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERY  
 11-15-2013



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

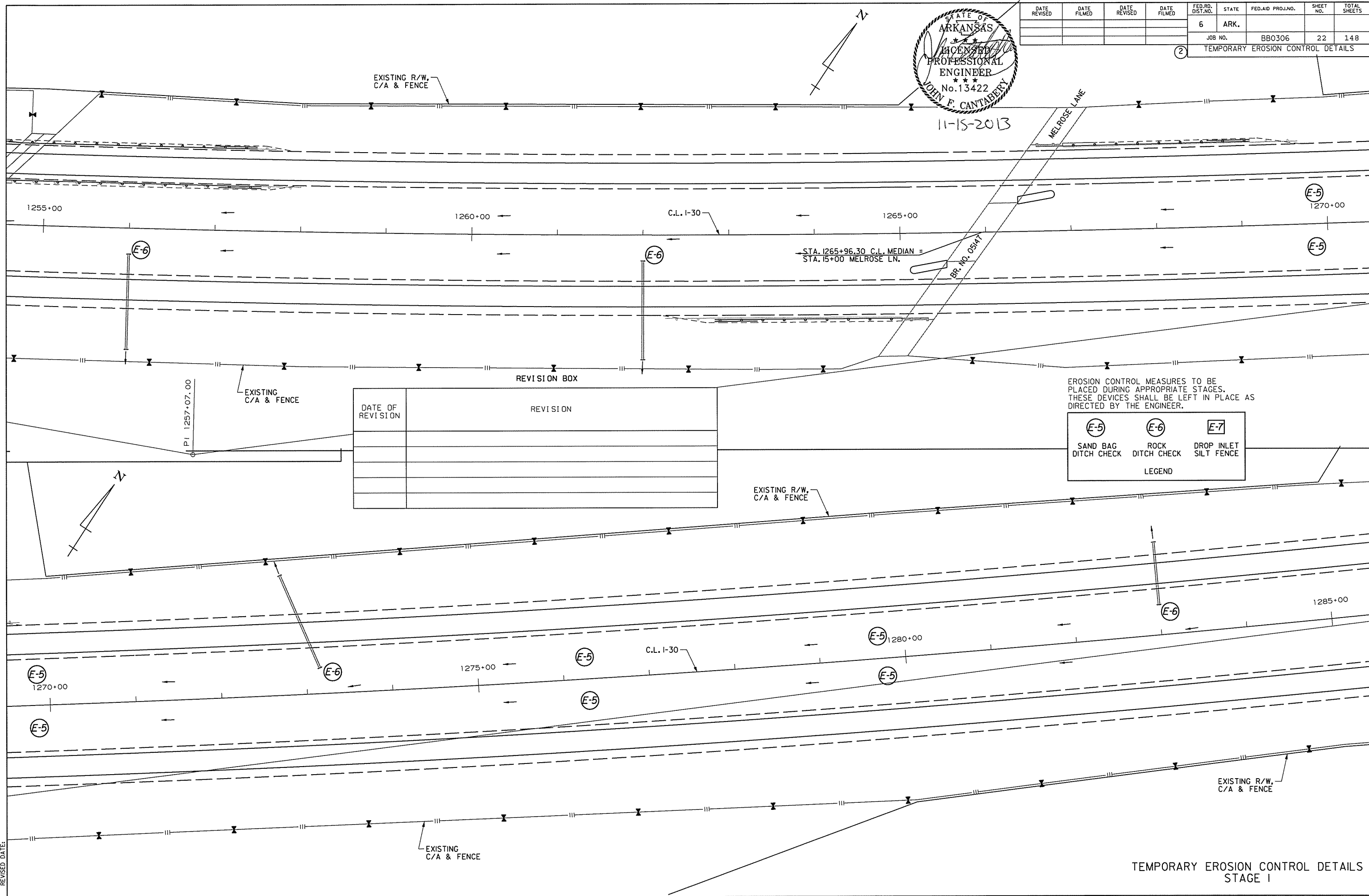
LEGEND

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 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_ST1.dgn  
 REVISED DATE:

TEMPORARY EROSION CONTROL DETAILS  
 STAGE I

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.	BBO306	22	148	
				TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERRY  
 11-15-2013



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

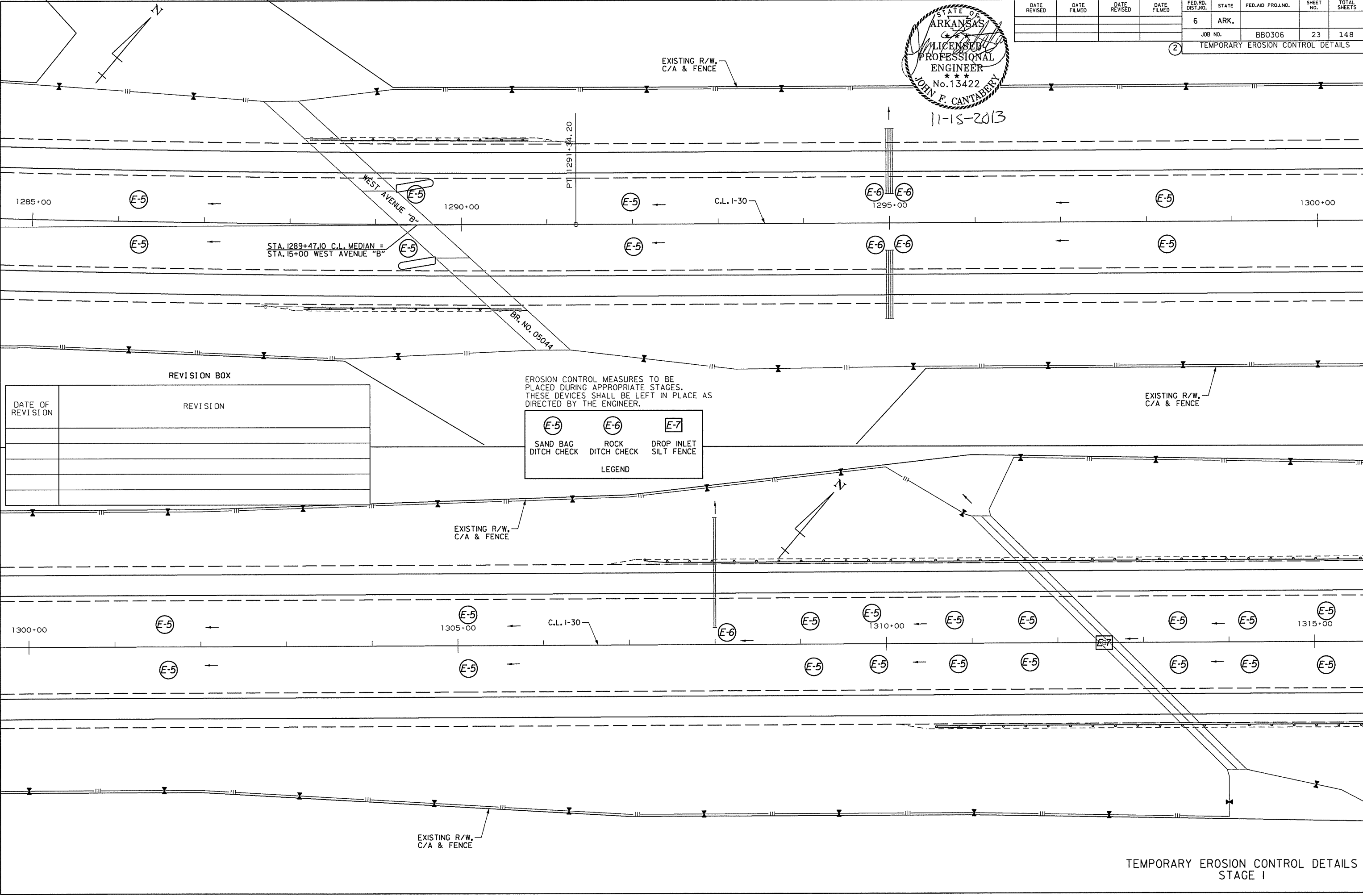
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 sedonaldson  
 WORKSPACE\_AHTD  
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 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
 STAGE I

11/14/2013 2:26:10 PM  
 sodonaldson  
 WORKSPACE\_AHTD  
 L:\2010\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_STL\_13.dgn  
 REVISION DATE:

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.	BB0306		23	148
				② TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN P. CANTABERRY  
 11-15-2013



REVISION BOX

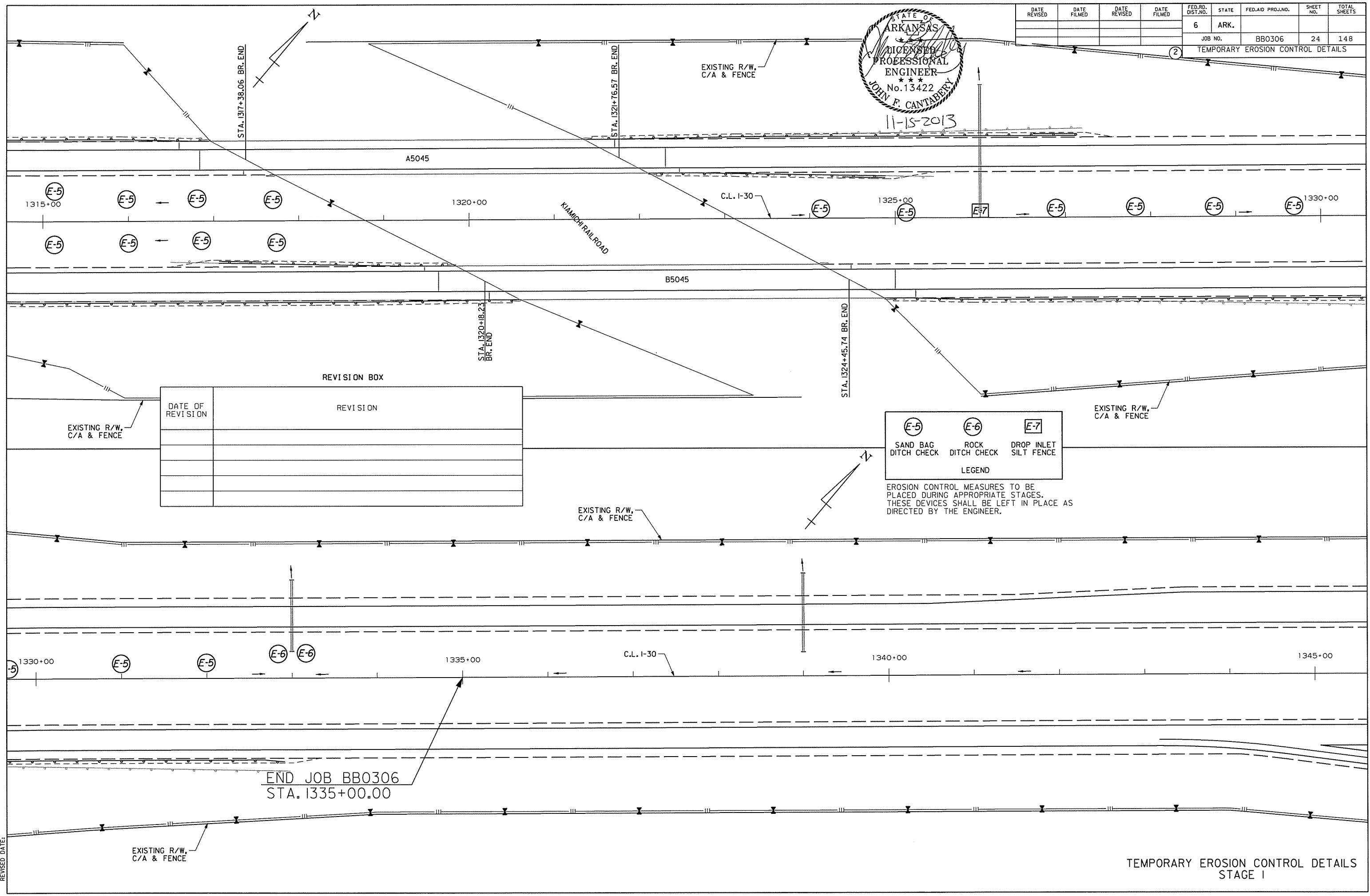
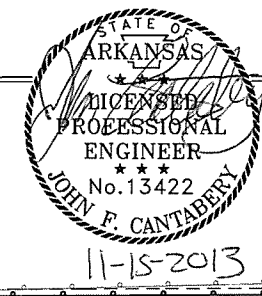
DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

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. BB0306	24	148
TEMPORARY EROSION CONTROL DETAILS									



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

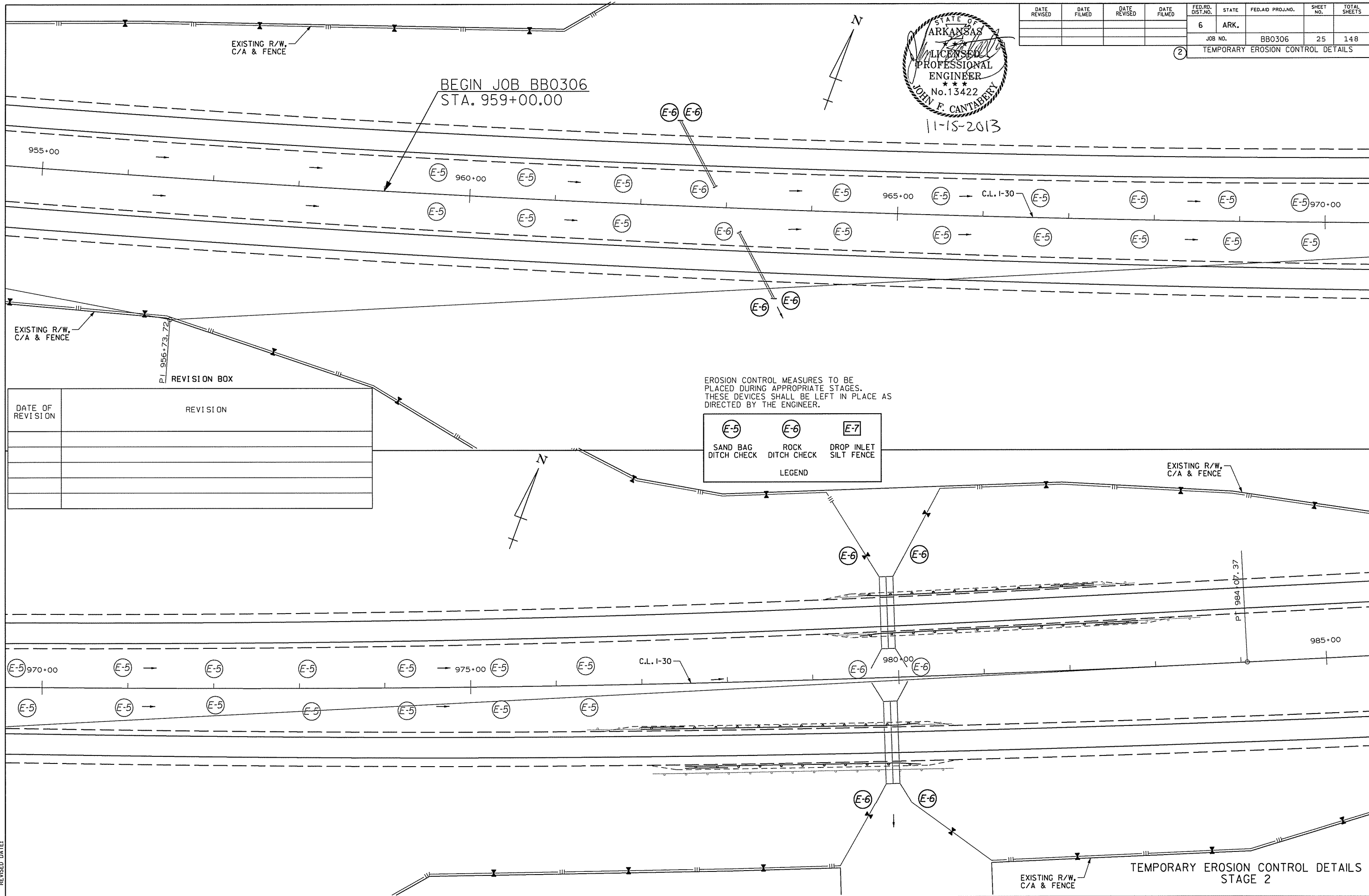
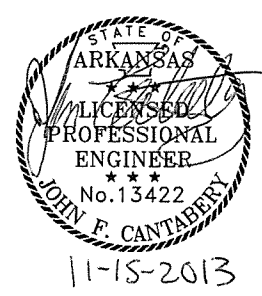
END JOB BB0306  
STA. 1335+00.00

TEMPORARY EROSION CONTROL DETAILS  
STAGE I

11/14/2013 2:26:10 PM  
 sedonaldson  
 WORKSPACE\_AHTD  
 L:\2011\1017701 - I-30 Rehabilitation\Drawings\30\_EC\_STL.dgn  
 REVISED DATE:



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.	BBO306	25	148	
				TEMPORARY EROSION CONTROL DETAILS				



DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

REVISION BOX  
 P.I. 956+73.72

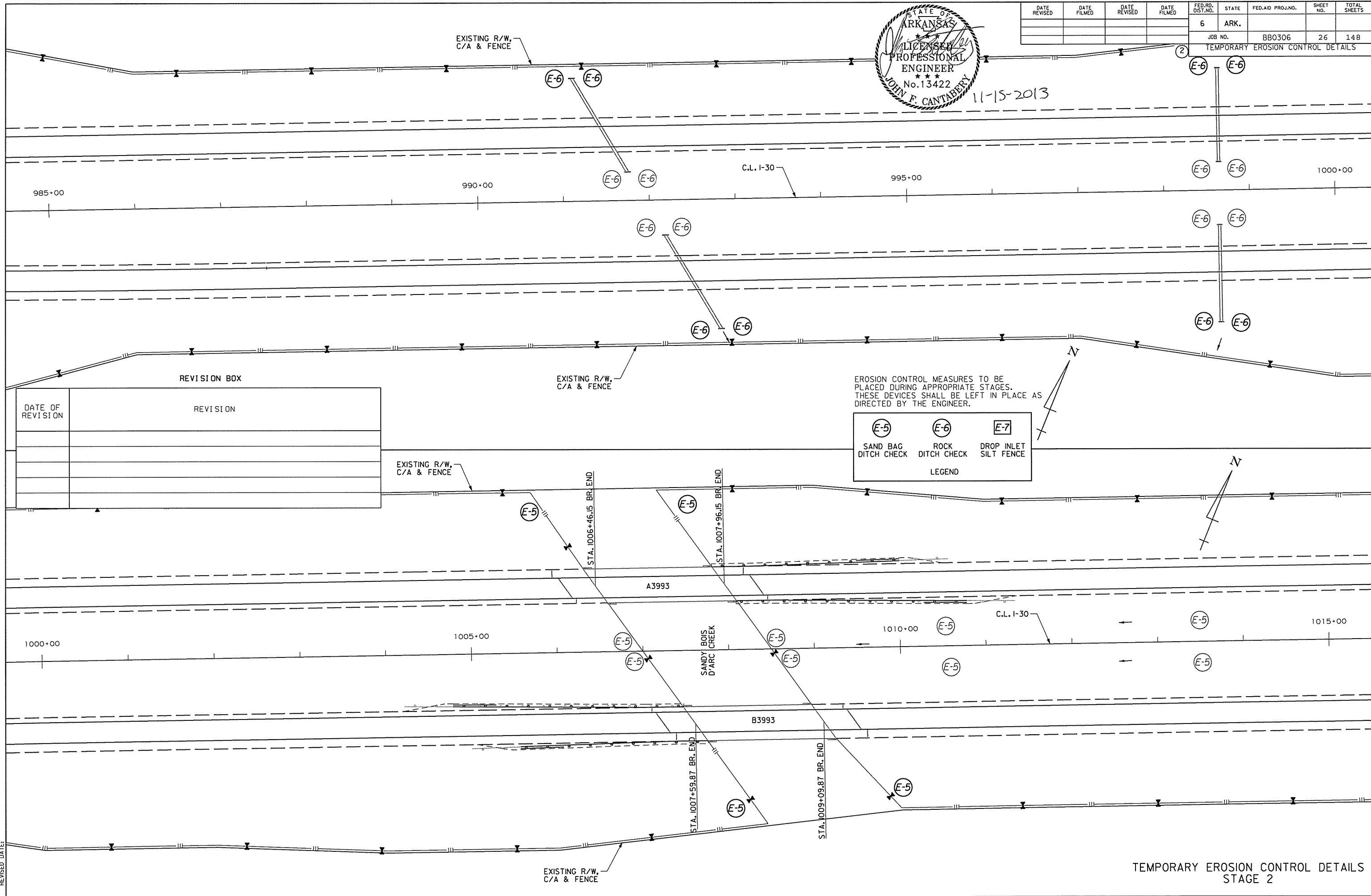
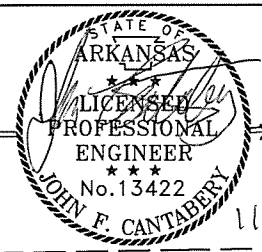
EXISTING R/W, C/A & FENCE

P.T. 984+07.37

EXISTING R/W, C/A & FENCE  
 TEMPORARY EROSION CONTROL DETAILS  
 STAGE 2

11/14/2013 2:26:40 PM  
 WORKSPACE: AHTD  
 L:\2011\101701 - I-30 Rehabilitation Projects\Drawings\130\_EC\_ST2.dgn  
 REVISION DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		26	148
				JOB NO. BBO306				
TEMPORARY EROSION CONTROL DETAILS								



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

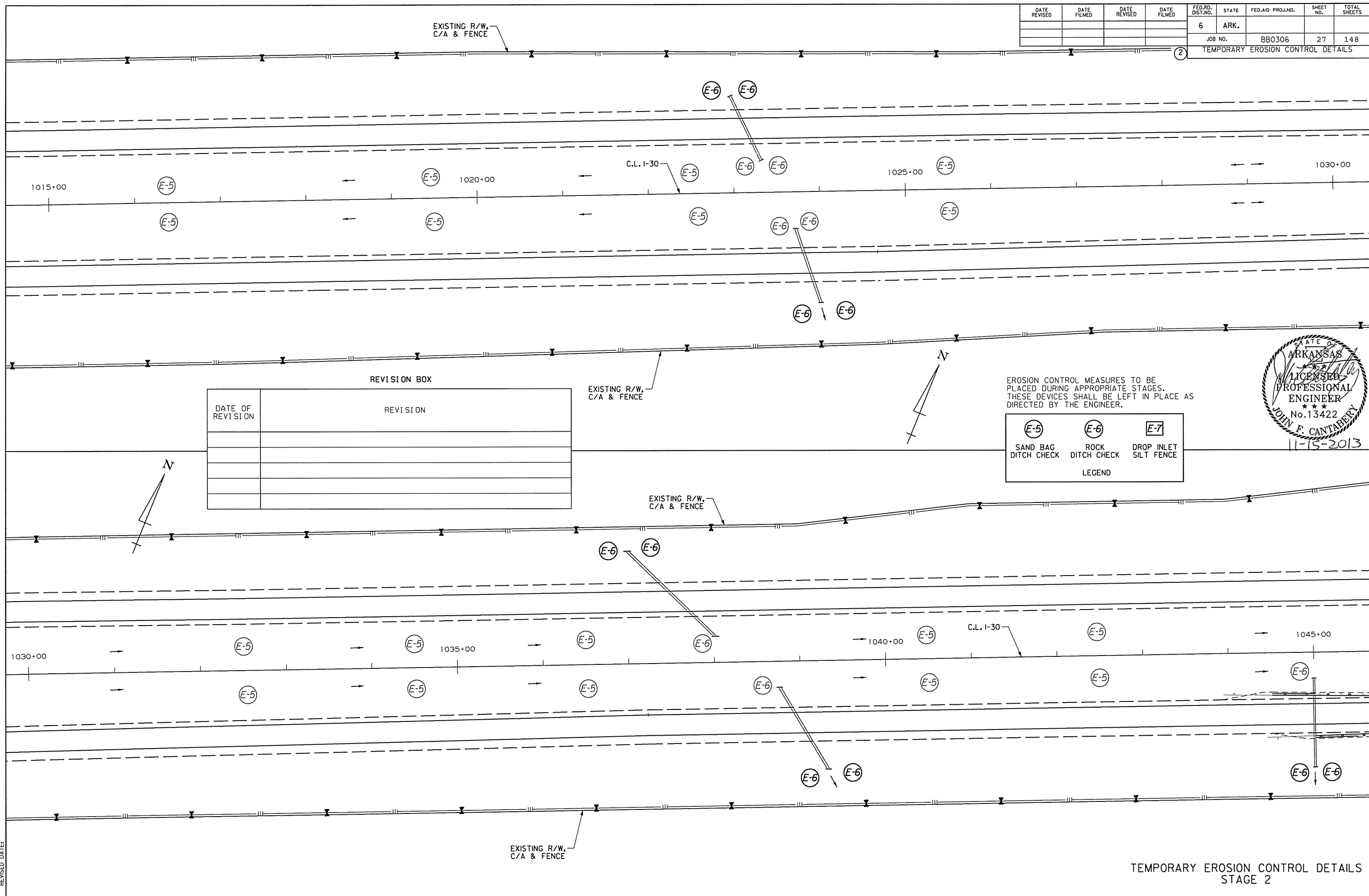
LEGEND

11/14/2013 2:26:10 PM  
 sodonaldson  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC-ST2\_02.dgn  
 REVISED DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

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.	BBO306	27	148	

TEMPORARY EROSION CONTROL DETAILS

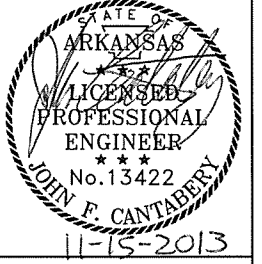


DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

(E-5)	(E-6)	(E-7)
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

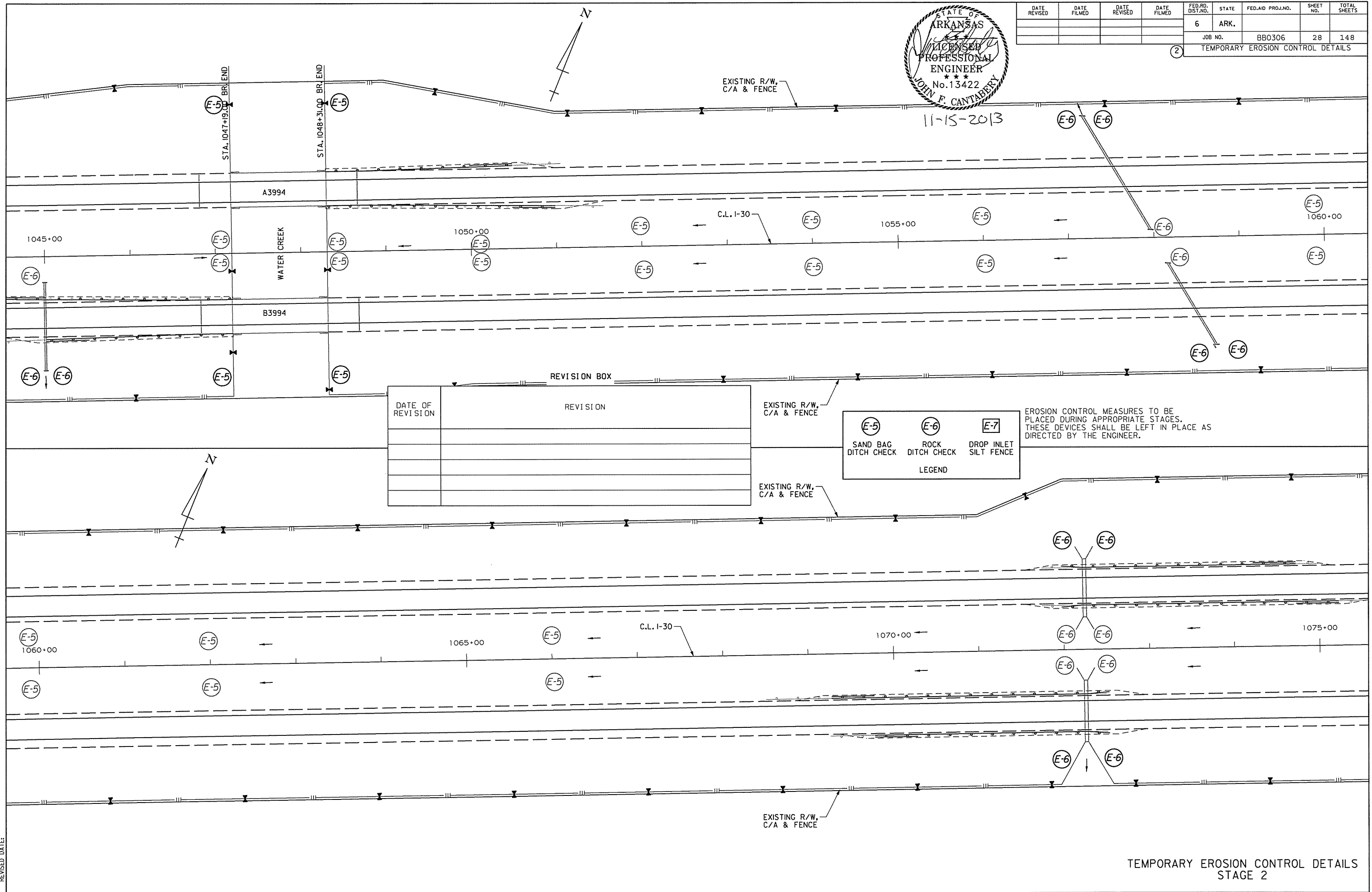
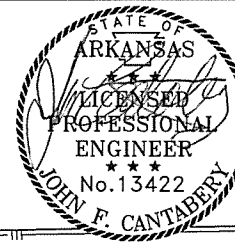
LEGEND



TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

11/14/2013 2:26:11 PM  
 sodonaldson  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_ST2\_03.dgn  
 REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		28	148
				JOB NO.	BBO306			
				TEMPORARY EROSION CONTROL DETAILS				



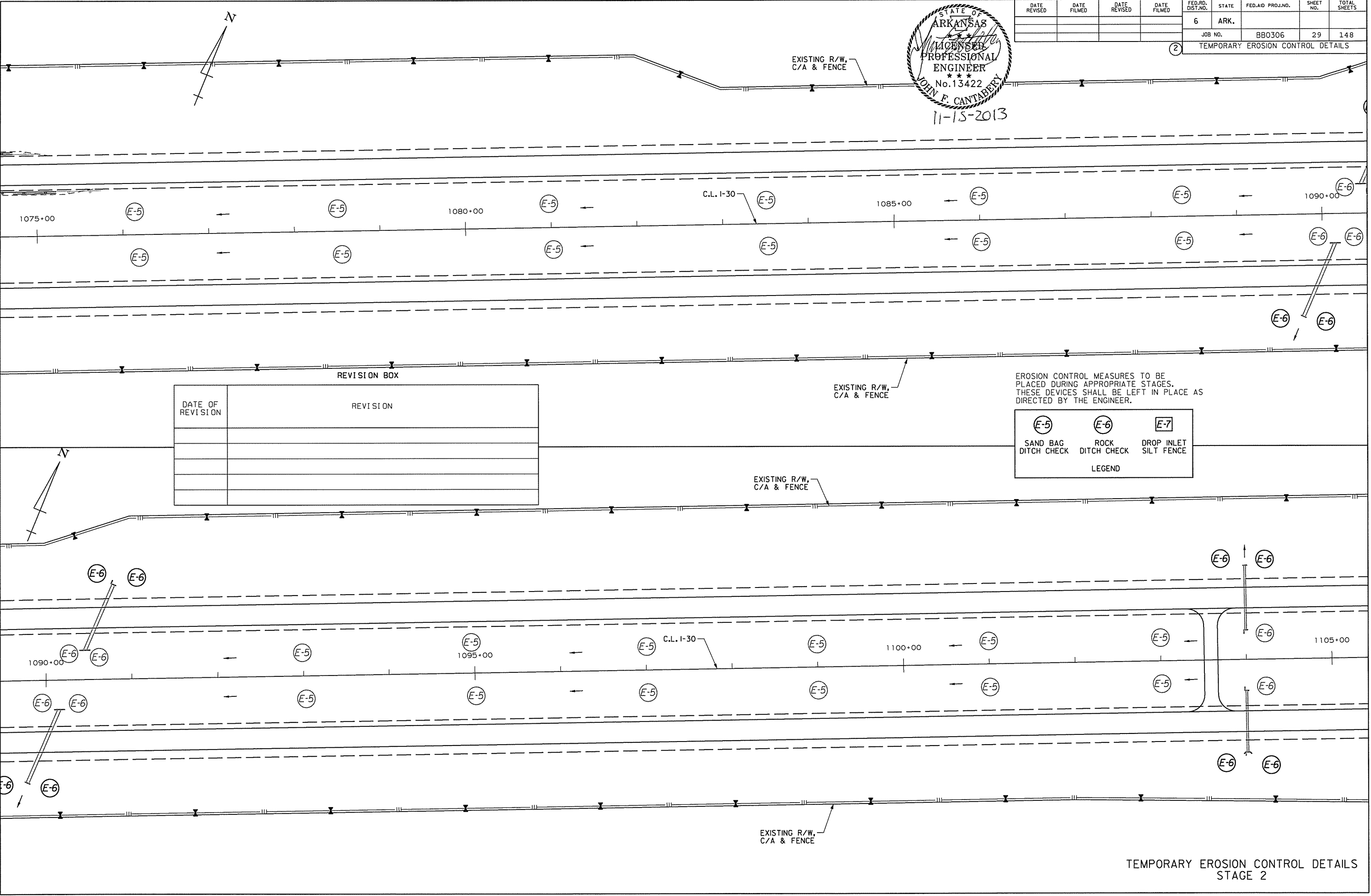
DATE OF REVISION	REVISION

<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

11/14/2013 2:26:11 PM  
 sodonaldson  
 WORKSPACE\_AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_ST2\_04.dgn  
 REVISION DATE:

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.	BB0306	29	148	
				TEMPORARY EROSION CONTROL DETAILS				



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

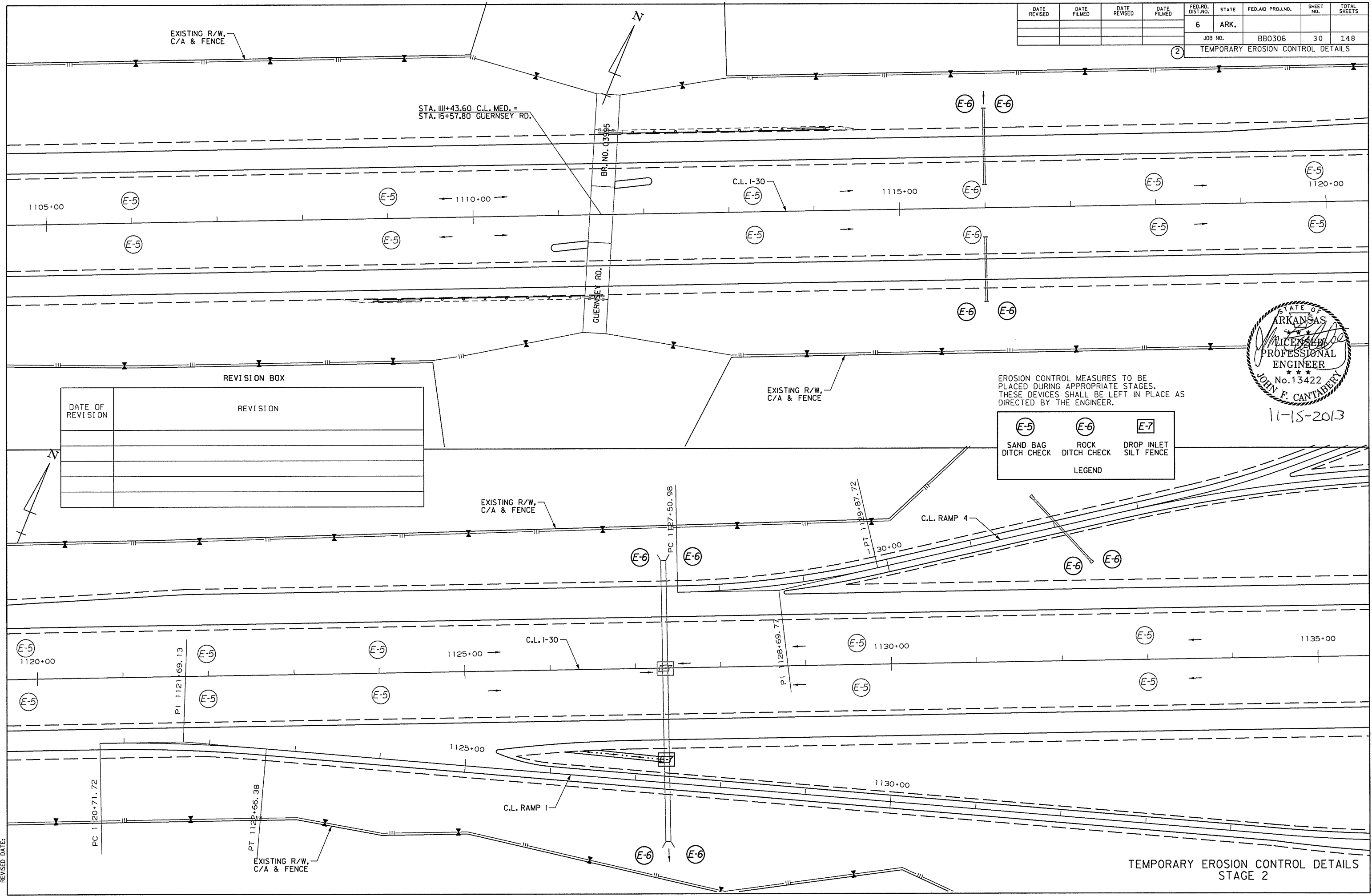
E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

sedonaldson 11/14/2013 2:26:11 PM  
 WORKSPACE\_AHTD  
 L:\2013\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_STZ\_05.dgn  
 REVISION DATE:

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. BB0306	30	148
(2) TEMPORARY EROSION CONTROL DETAILS									



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

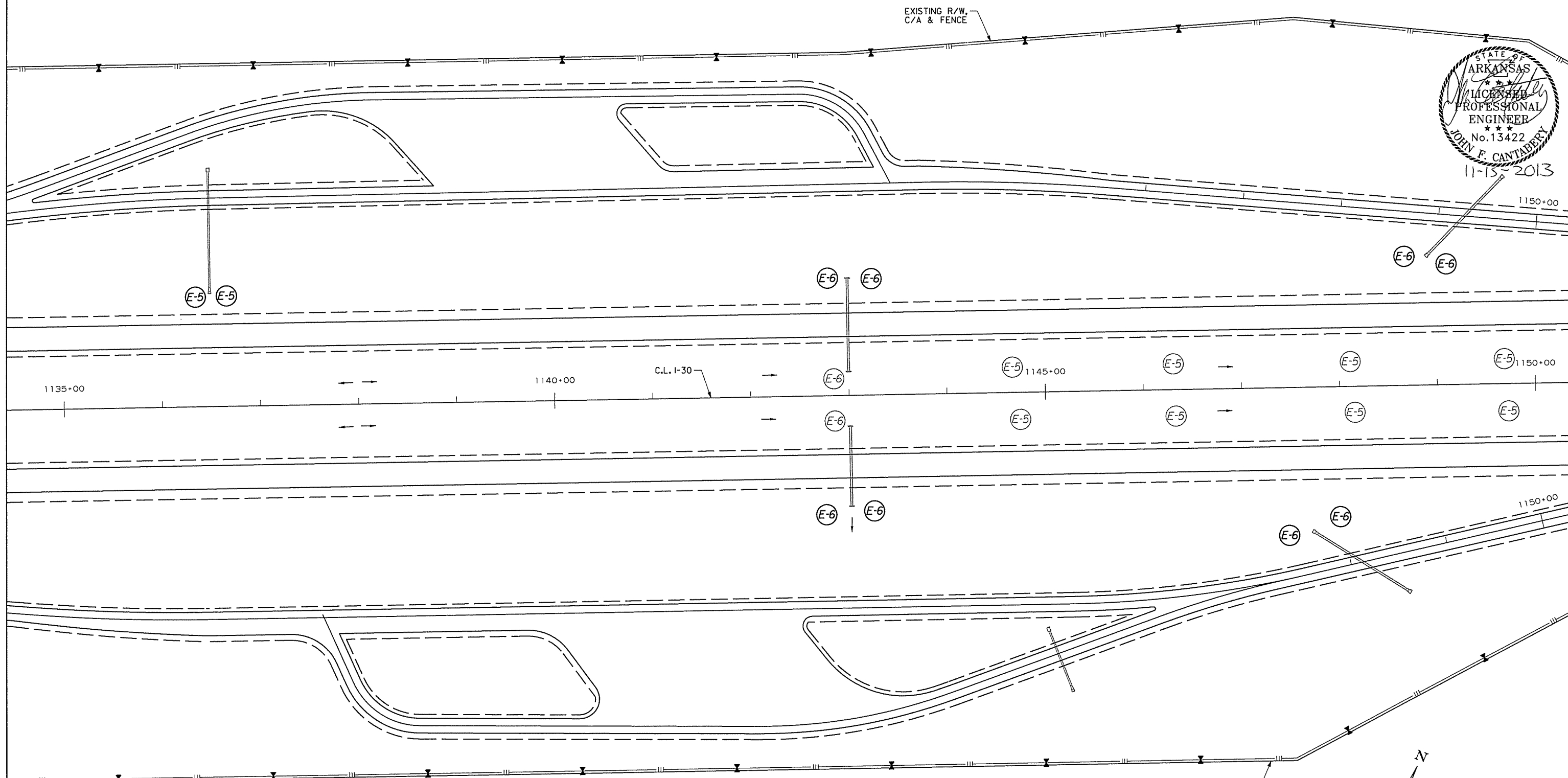


11-15-2013

sodonidson 11/14/2013 2:26:11 PM  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_ST2\_06.dgn  
 REVISED DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

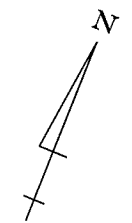
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		BB0306	31	148
				② TEMPORARY EROSION CONTROL DETAILS				



REVISION BOX	
DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

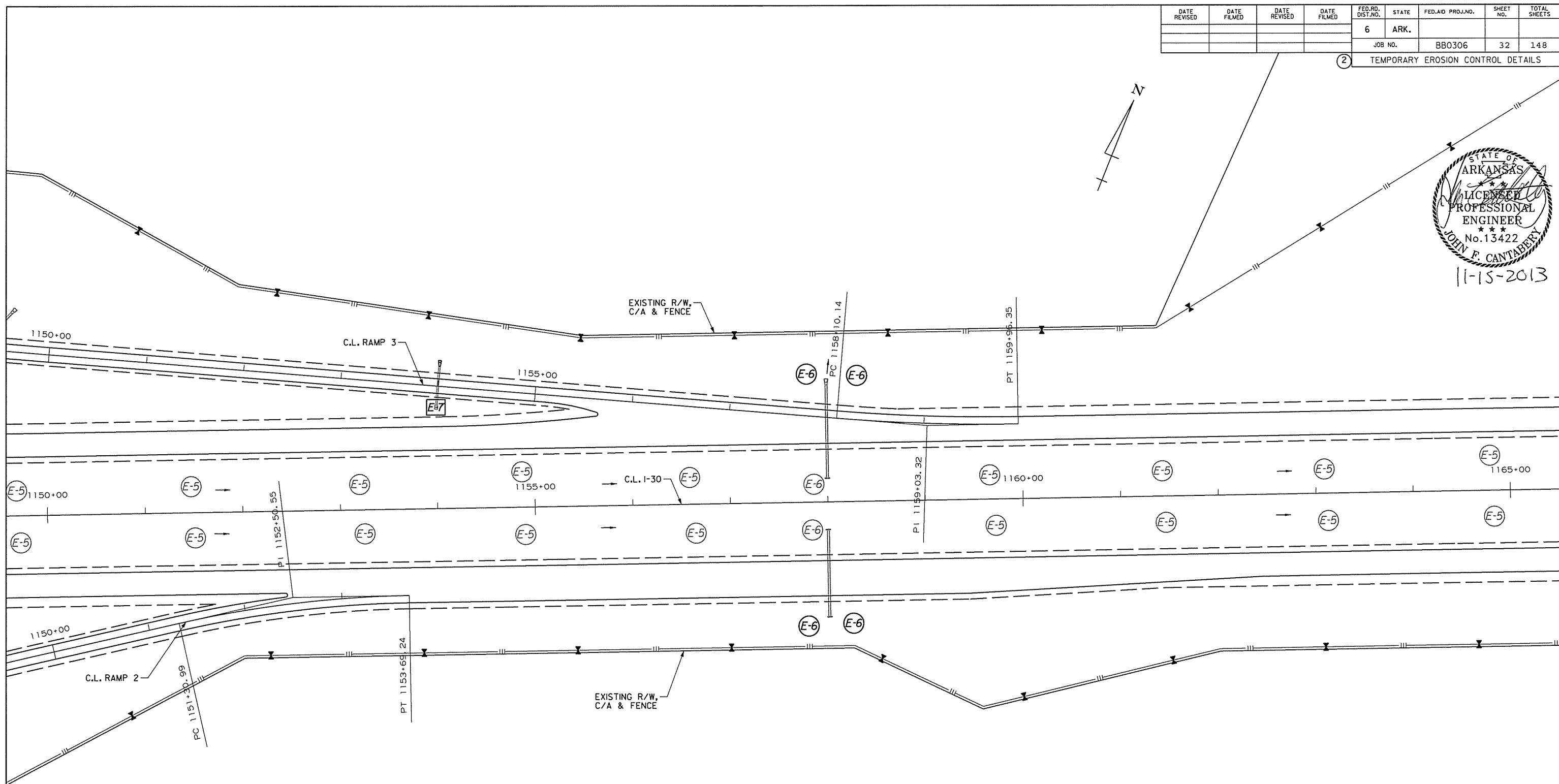
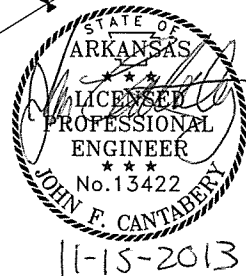
E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		



TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

11/14/2013 2:26:11 PM  
 sdcanderson  
 WORKSPACE\_AHTD  
 L:\2010\1017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_S12\_07.dgn  
 REVISION DATE:

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.		BBO306	32	148
				② TEMPORARY EROSION CONTROL DETAILS				



11/14/2013 2:26:12 PM  
 sdonaldson  
 WORKSPACE: AHTD  
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 REVISION DATE:

REVISION BOX

DATE OF REVISION	REVISION

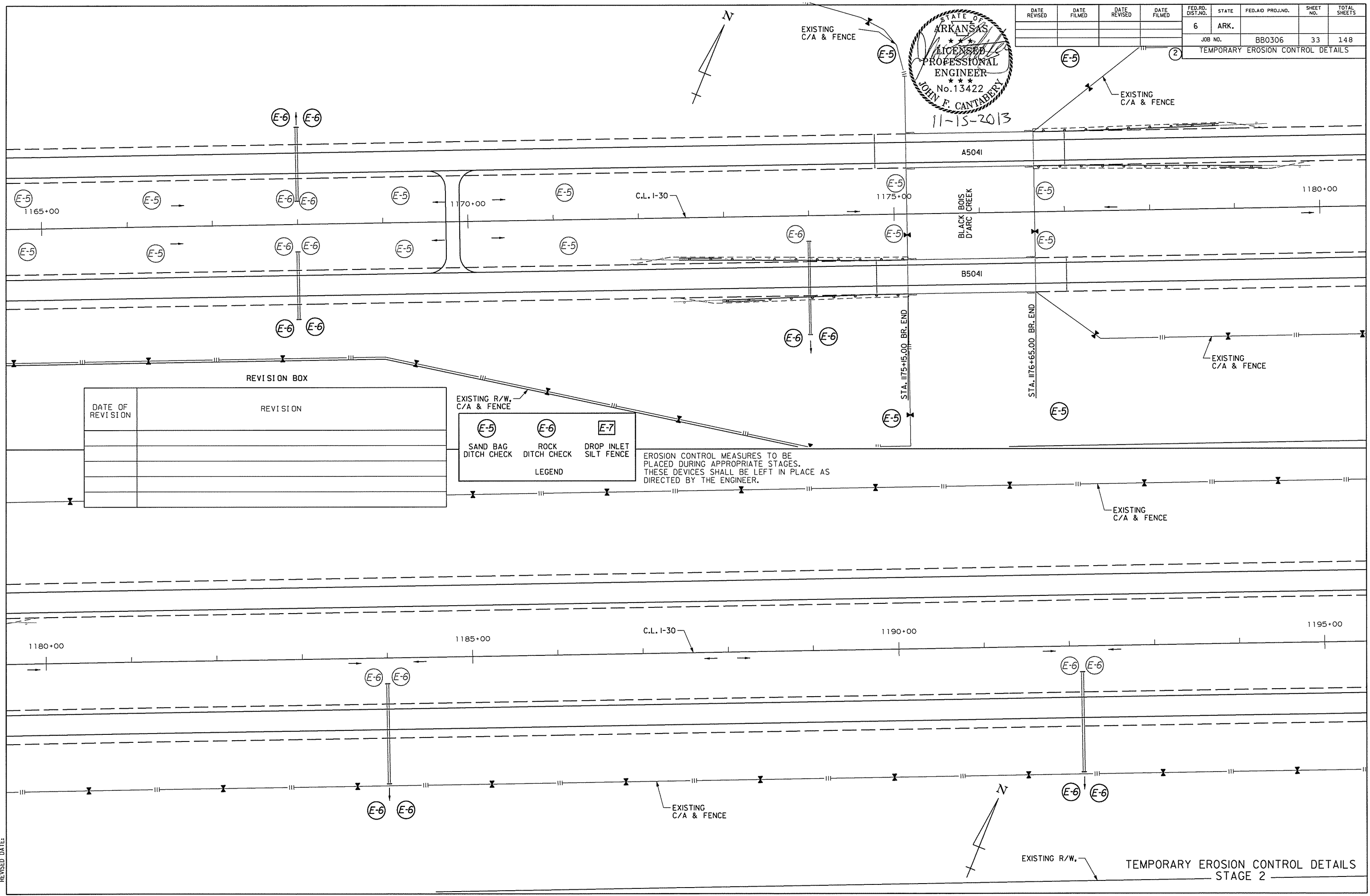
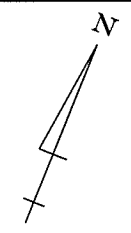
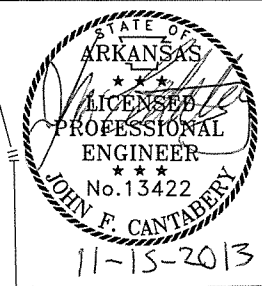
EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		33	148
				JOB NO. BB0306		TEMPORARY EROSION CONTROL DETAILS		



REVISION BOX

DATE OF REVISION	REVISION

EXISTING R/W, C/A & FENCE

SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

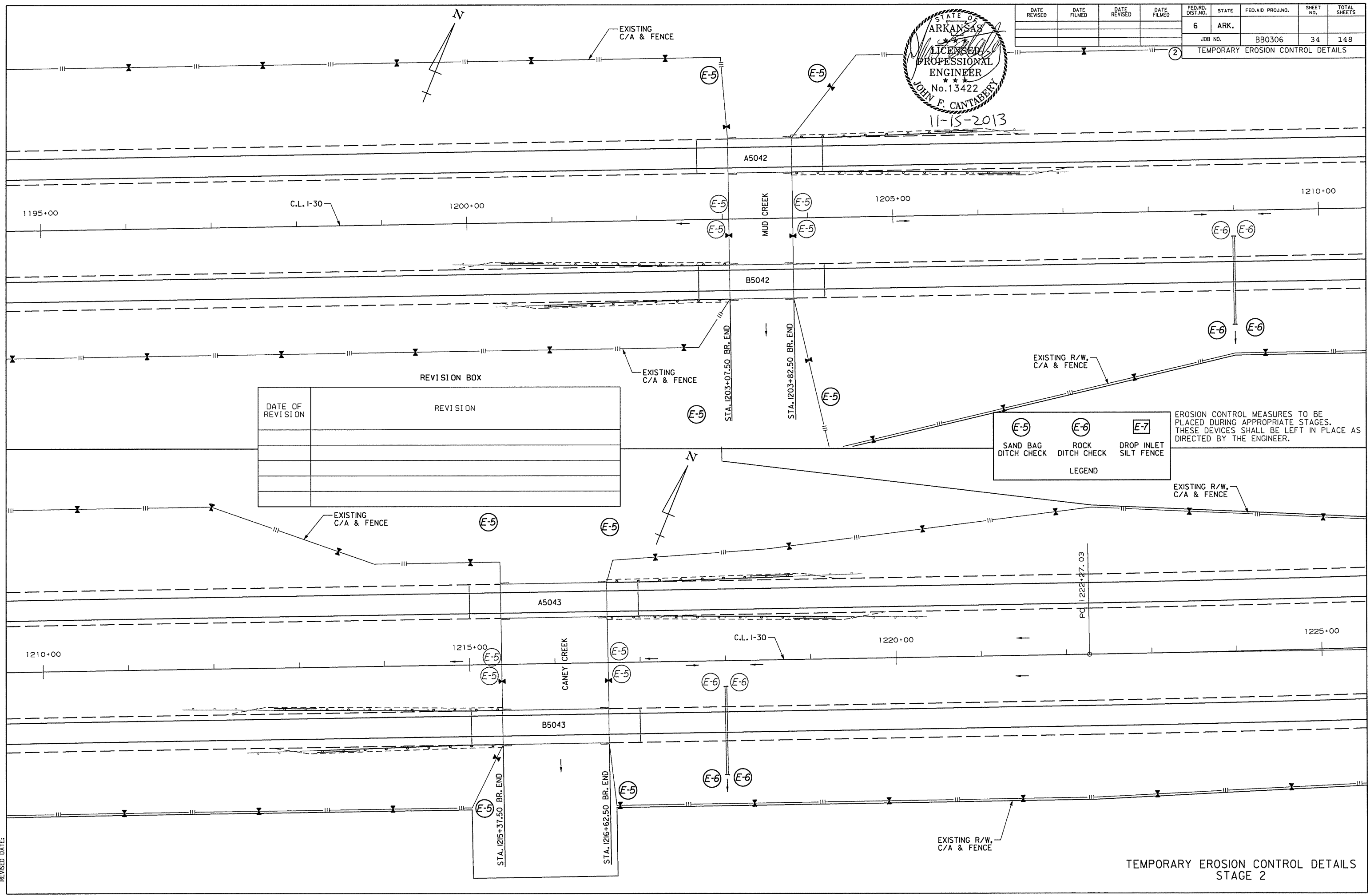
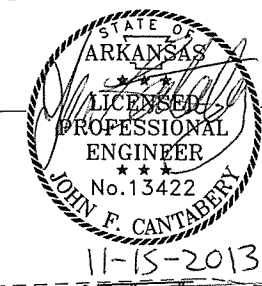
LEGEND

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

11/14/2013 2:26:42 PM  
 sdcanderson  
 WORKSPACE\_AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\130\_EC\_S12\_09.dgn  
 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		34	148
				JOB NO.		BB0306		148
TEMPORARY EROSION CONTROL DETAILS								



DATE OF REVISION	REVISION

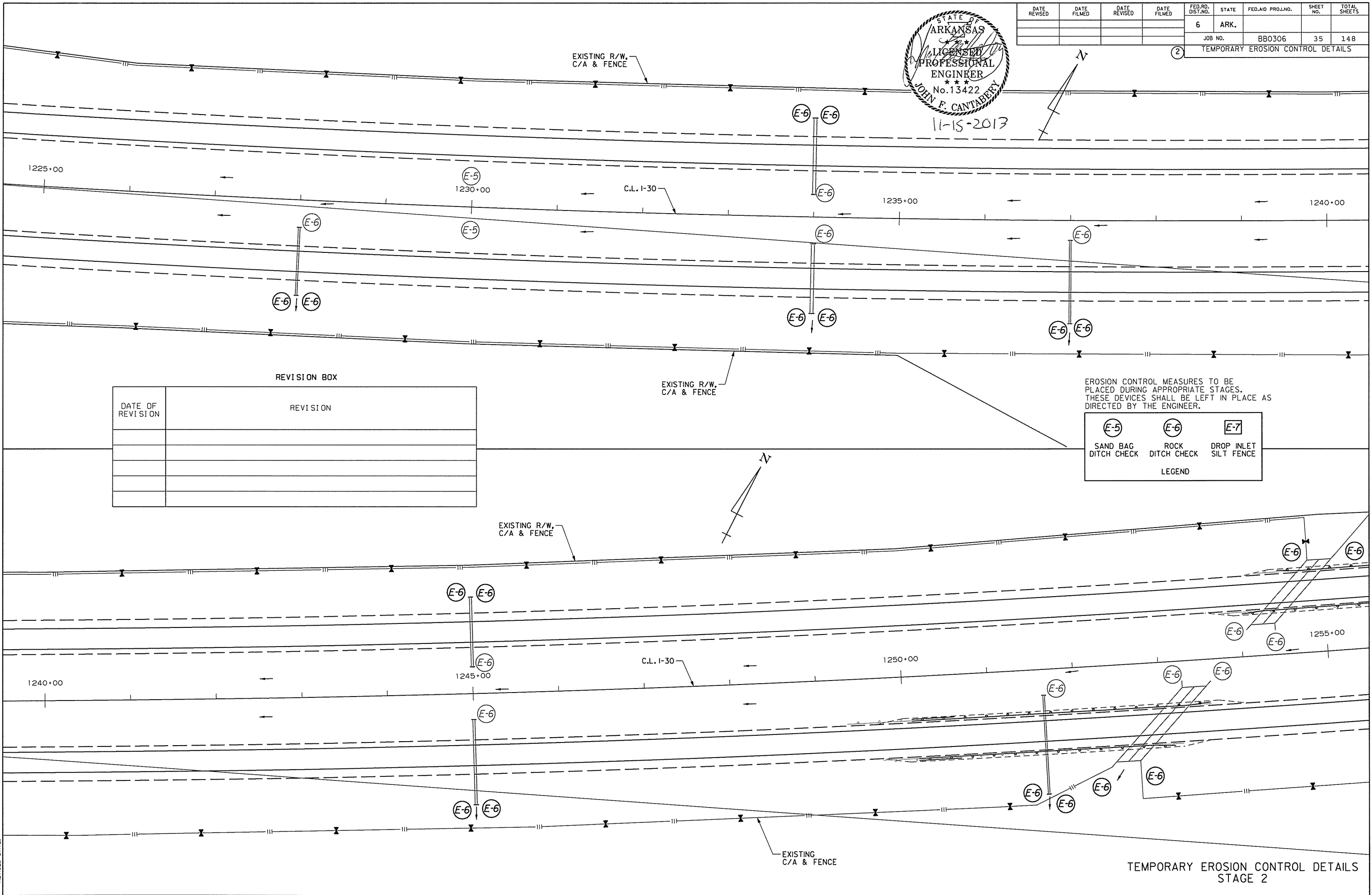
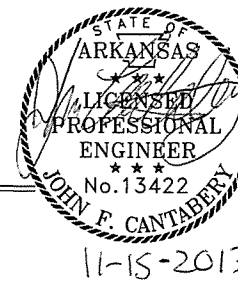
<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

11/14/2013 2:26:12 PM  
 sardonaldson  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation\Projects\Drawings\130\_EC-ST2\_10.dgn  
 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

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. BB0306		35		148
TEMPORARY EROSION CONTROL DETAILS								



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

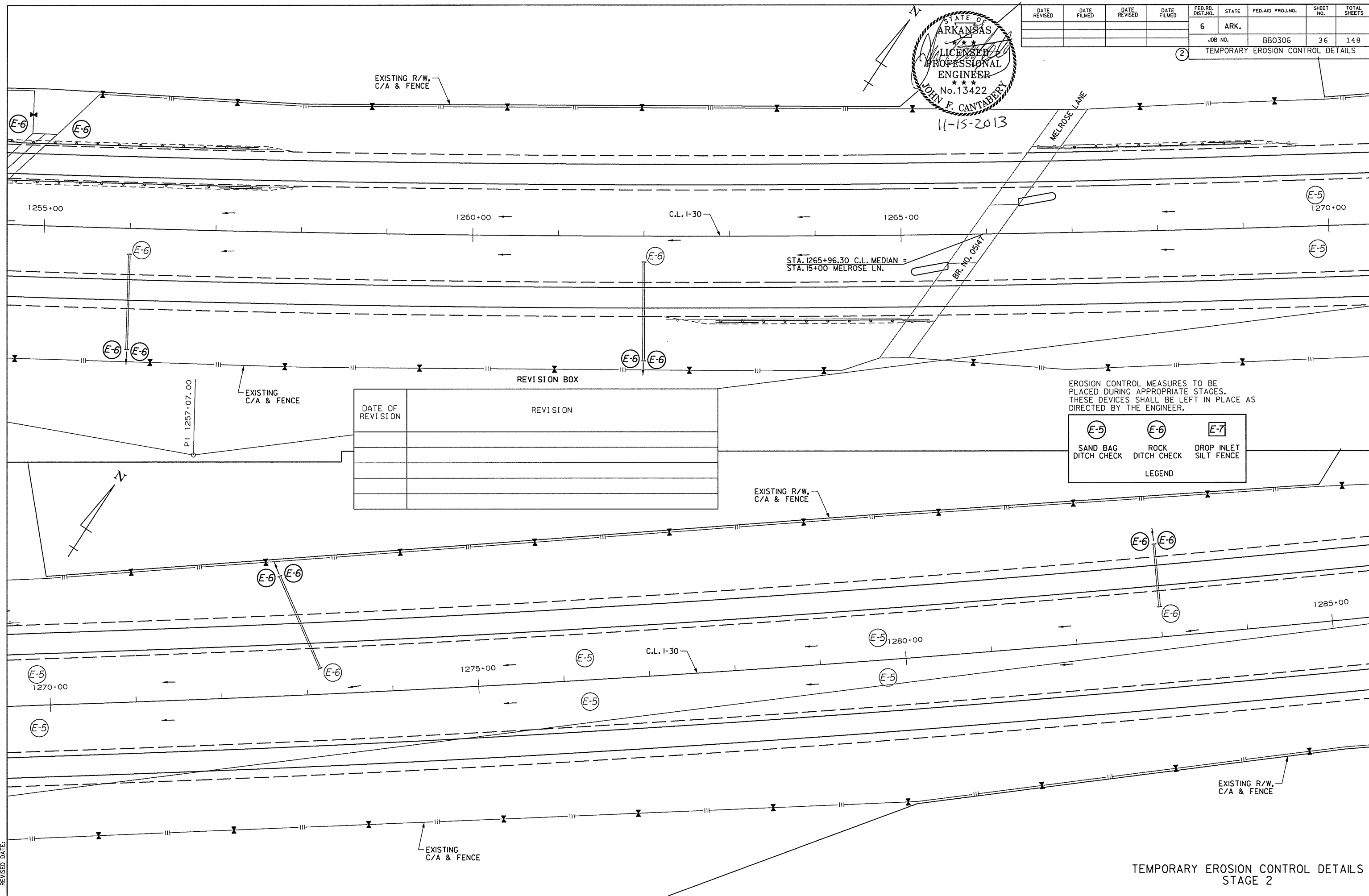
E-5	E-6	E-7
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE
LEGEND		

sddonaldson 11/14/2013 2:26:42 PM  
 WORKSPACE: AHTD  
 L:\2013\11017701 - I-30 Rehabilitation Projects\Drawings\30\_EC\_STZ\_II.dgn  
 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		36	148
				JOB NO. BB0306				
				TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERY  
 11-15-2013



REVISION BOX

DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

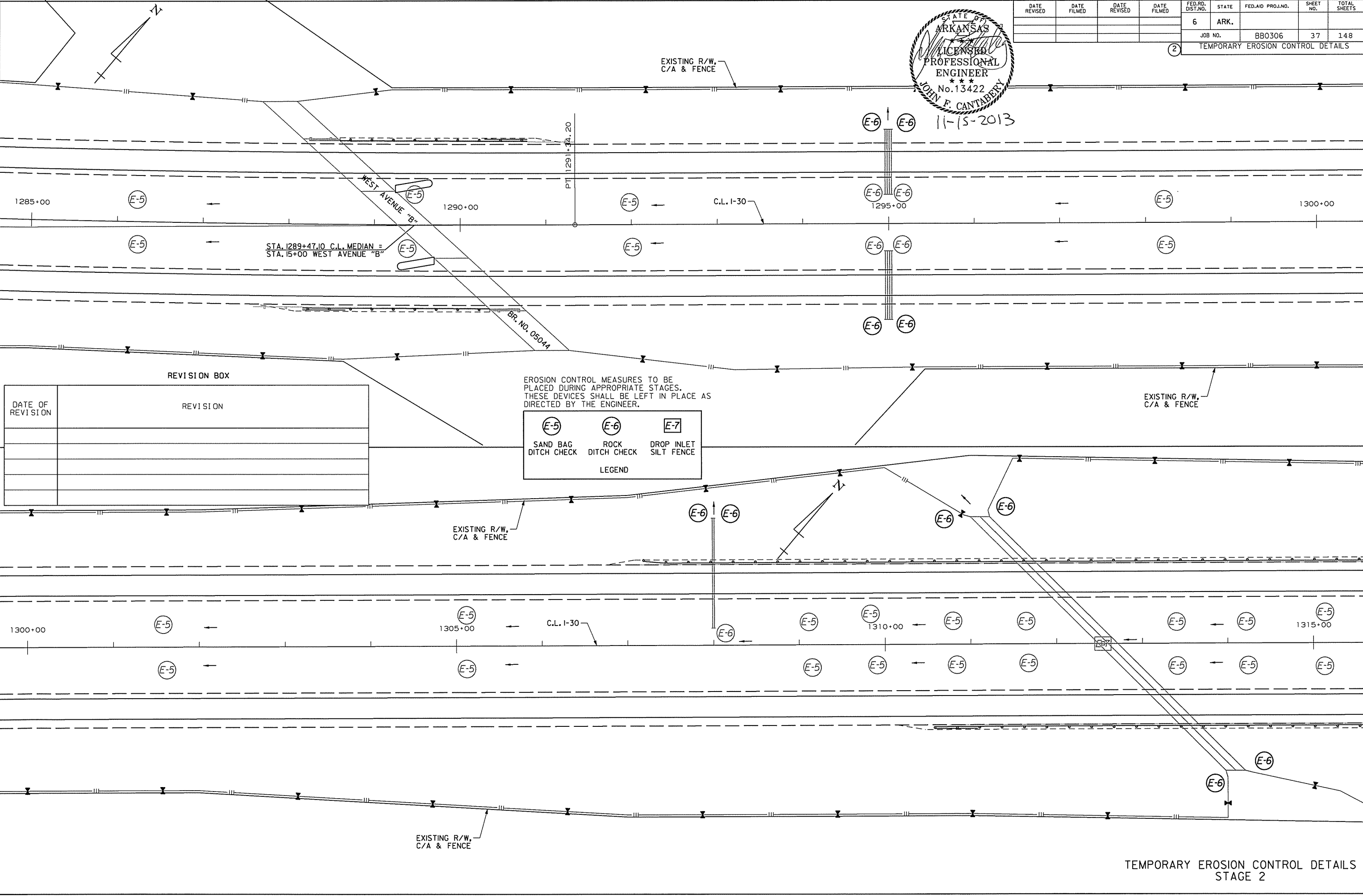
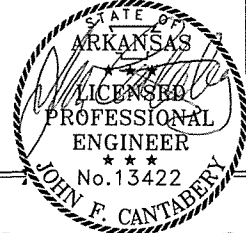
<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

sedonaldson 11/14/2013 2:26:13 PM  
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 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
 STAGE 2

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.	BB0306	37	148	
				TEMPORARY EROSION CONTROL DETAILS				



REVISION BOX	
DATE OF REVISION	REVISION

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

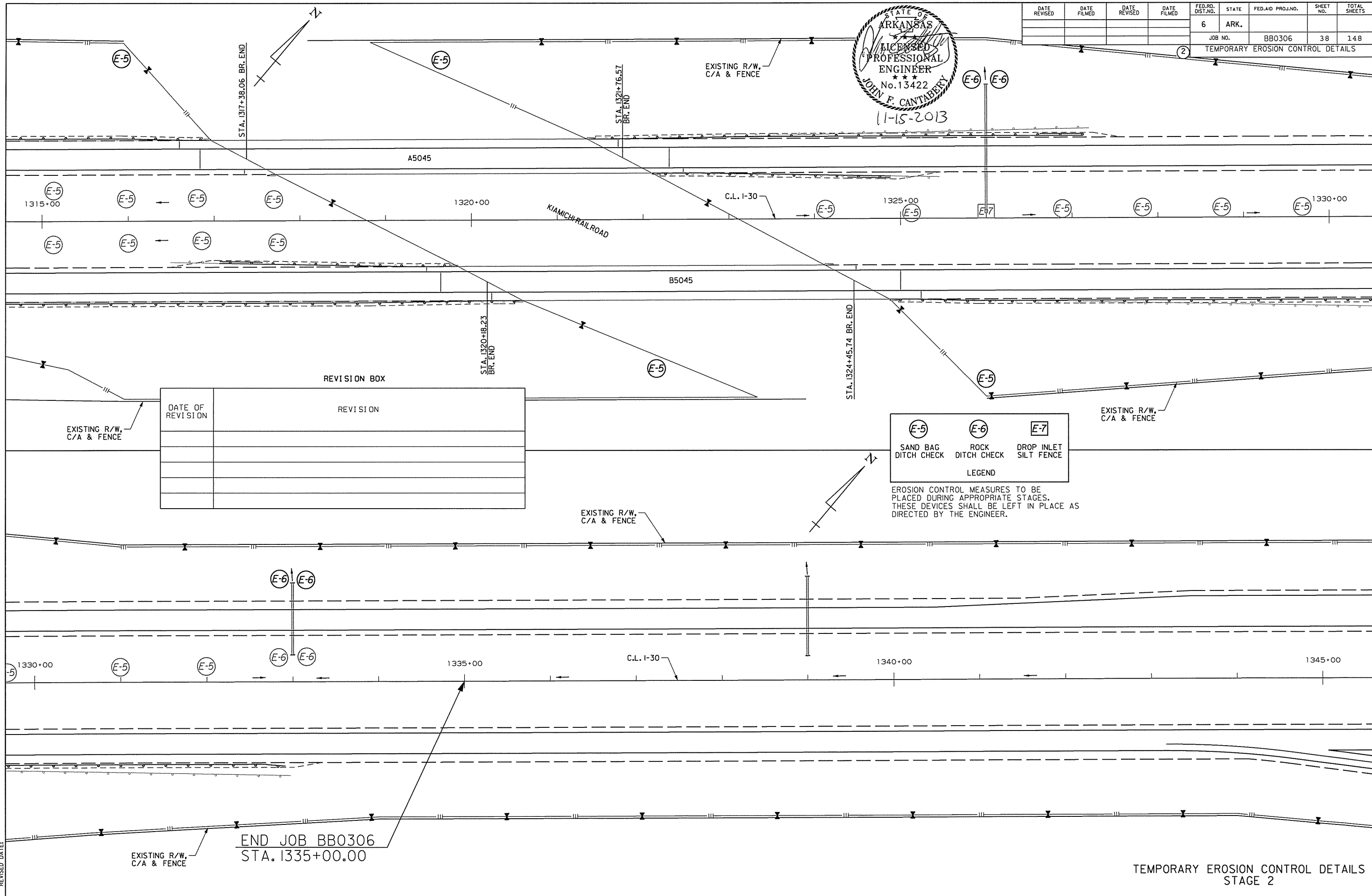
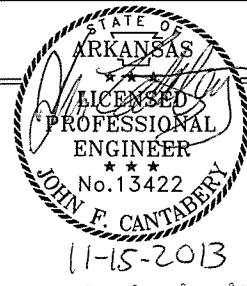
<b>E-5</b>	<b>E-6</b>	<b>E-7</b>
SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

LEGEND

11/14/2013 2:26:13 PM  
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 REVISION DATE:

TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		38	148
				JOB NO. BB0306		TEMPORARY EROSION CONTROL DETAILS		



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

SAND BAG DITCH CHECK	ROCK DITCH CHECK	DROP INLET SILT FENCE

EROSION CONTROL MEASURES TO BE PLACED DURING APPROPRIATE STAGES. THESE DEVICES SHALL BE LEFT IN PLACE AS DIRECTED BY THE ENGINEER.

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 REVISED DATE:

EXISTING R/W, C/A & FENCE

END JOB BB0306  
STA. 1335+00.00

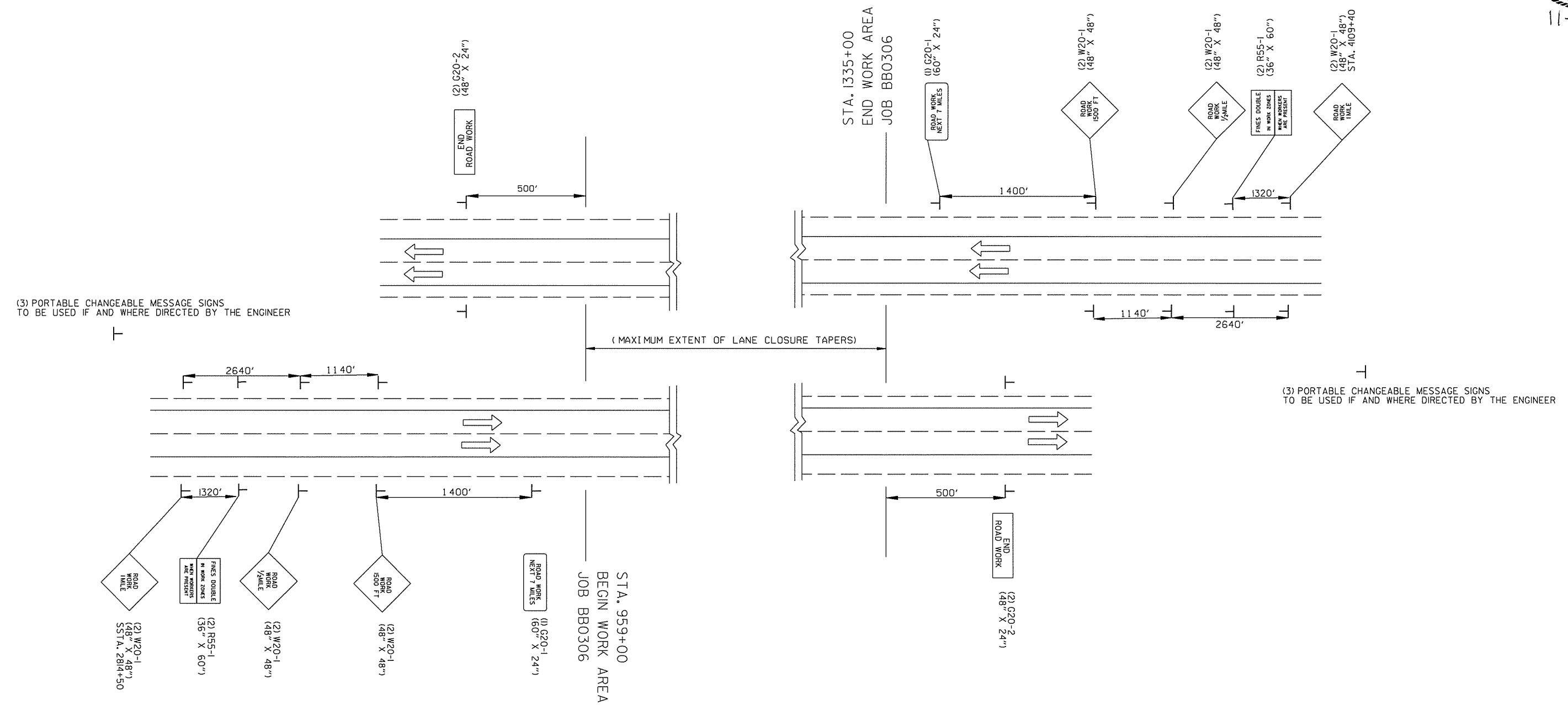
TEMPORARY EROSION CONTROL DETAILS  
STAGE 2

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.		BB0306	39	148

② MAINTENANCE OF TRAFFIC



NOTE :  
W20-1 (VARIOUS DISTANCE) ADVANCE SIGNS  
TO BE REPLACED AS NEEDED BY EQUIVALENT W20-5 SIGNS  
AS WORKING AREA SHIFTS.



(3) PORTABLE CHANGEABLE MESSAGE SIGNS  
TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

(3) PORTABLE CHANGEABLE MESSAGE SIGNS  
TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

NOTE :  
W20-1 (VARIOUS DISTANCE) ADVANCE SIGNS  
TO BE REPLACED AS NEEDED BY EQUIVALENT W20-5 SIGNS  
AS WORKING AREA SHIFTS.

ADVANCE SIGNS AT BEGINNING AND END OF JOB  
ALL STAGES

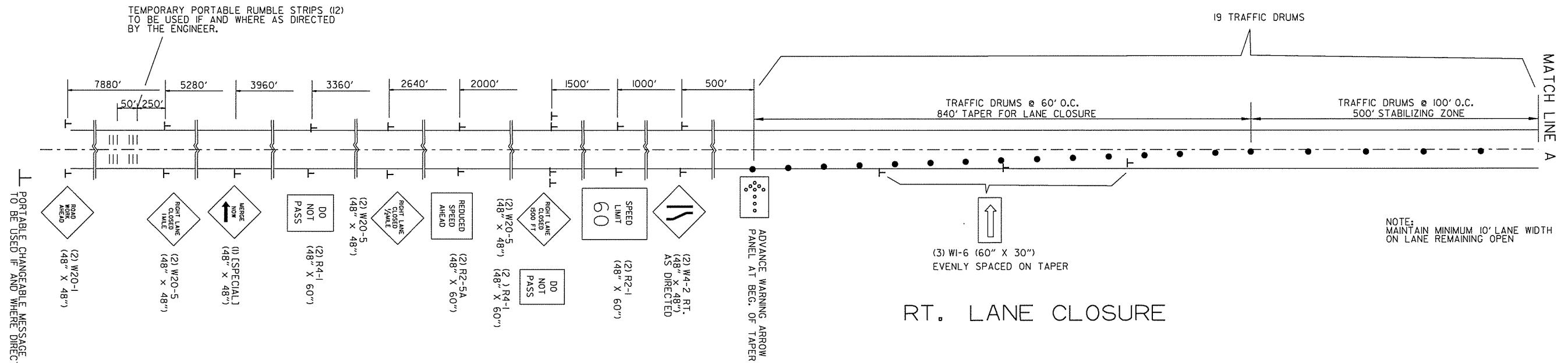
MAINTENANCE OF TRAFFIC  
ADVANCE SIGNS AT JOB ENDS

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.	BB0306	40 148

② MAINTENANCE OF TRAFFIC

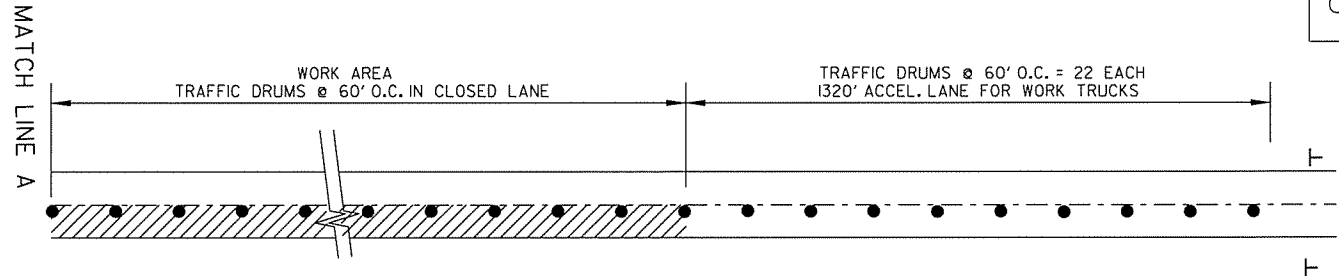


12-2-2013

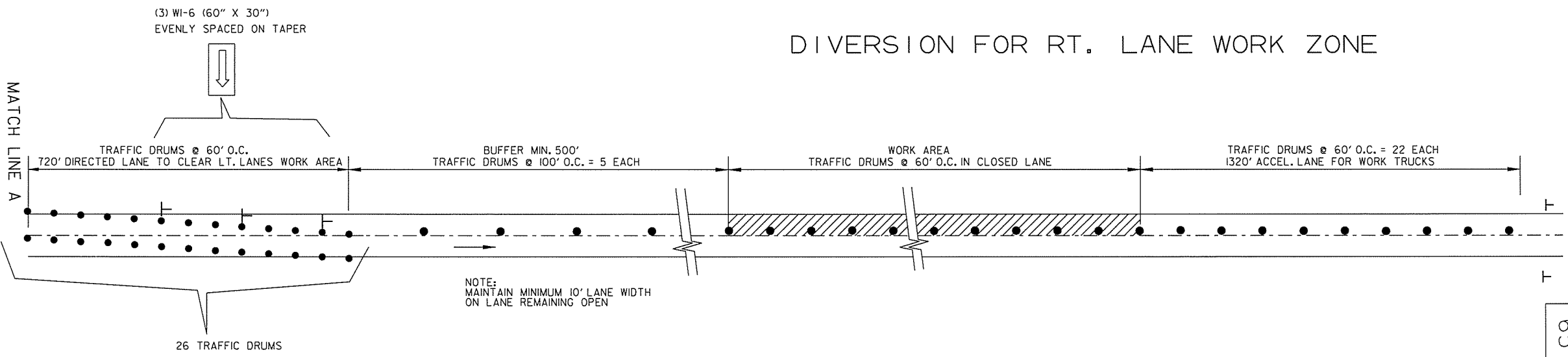


NOTE: MAINTAIN MINIMUM 10' LANE WIDTH ON LANE REMAINING OPEN

RT. LANE CLOSURE



DIVERSION FOR RT. LANE WORK ZONE



DIVERSION FOR LT. LANE WORK ZONE

TRUCKS	65
SPEED LIMIT	70

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

TRUCKS	65
SPEED LIMIT	70

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

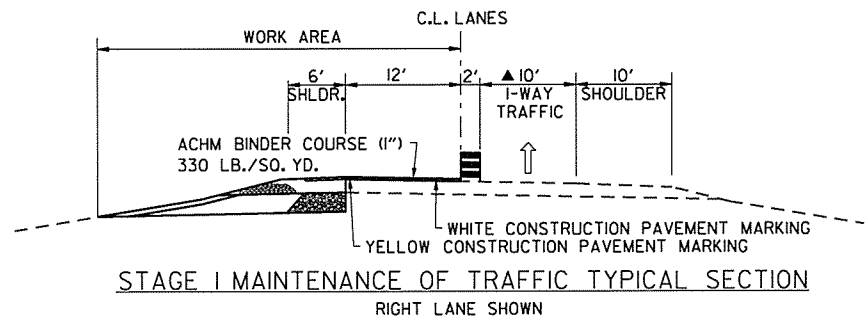
MAINTENANCE OF TRAFFIC LANE CLOSURE

sodonoldson 12/2/2013 12:29:39 PM  
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 REVISED DATE:

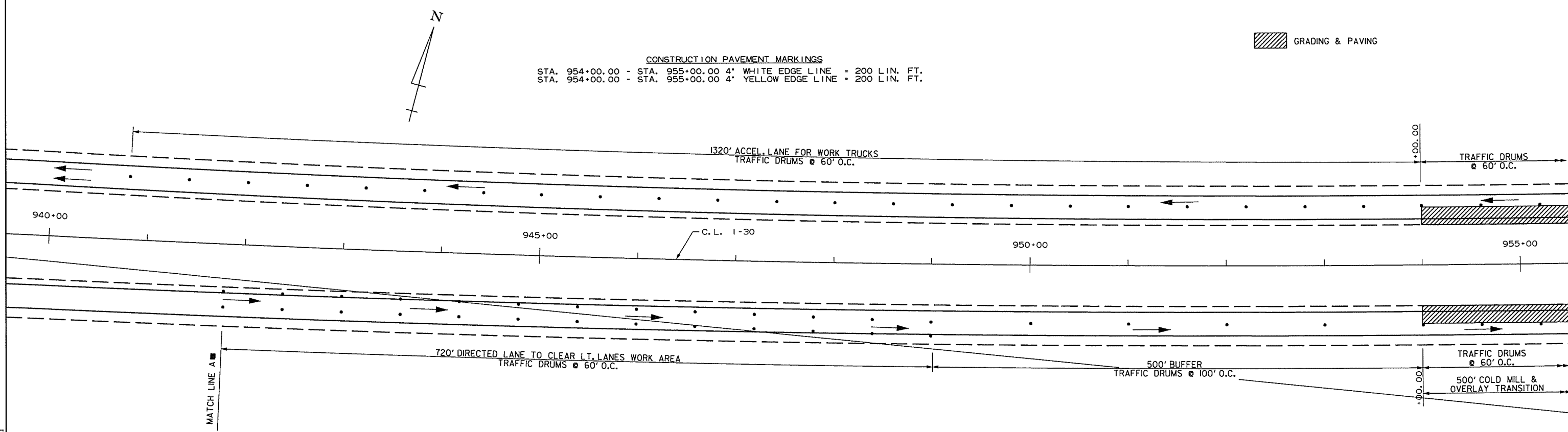


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1-2-14				6	ARK.			
						JOB NO. BB0306	41	148

② MAINTENANCE OF TRAFFIC



- STAGE 1 CONSTRUCTION SEQUENCE NOTES**
1. MOVE TRAFFIC TO OUTSIDE LANES AS SHOWN IN LANE CLOSURE SHEET.
  2. CONTINUE BARRELS ALONG CENTERLINE OF LANES AT 60' INTERVAL FOR LENGTH OF JOB.
  3. AT GUARDRAIL WIDENING LOCATIONS, RECONSTRUCT INSIDE SHOULDER, PLACE BOTH BINDER AND SURFACE COURSES, AND INSTALL GUARDRAIL.
  4. CONSTRUCT IMPACT ATTENUATION BARRIER PAD AND INSTALL IMPACT ATTENUATION BARRIER AT BRIDGE LOCATIONS WHERE LOCAL ROAD CROSSES OVER MAIN LANES.
  5. FROM STA. 954+00 TO STA. 1340+00 RECONSTRUCT INSIDE SHOULDER AND PAVE INSIDE LANES AND SHOULDERS WITH BINDER COURSE. AT TRANSITIONS, PAVE ENTIRE LENGTH WITH SURFACE COURSE. A MINIMUM 300' VERTICAL TAPER IS REQUIRED TO TRANSITION FROM THE PROPOSED BINDER COURSE TO THE EXISTING ROADWAY SURFACE.
  6. PLACE CONSTRUCTION PAVEMENT MARKINGS ALONG LT. & RT. EDGE LINES FOR INSIDE LANES PRIOR TO OPENING TO TRAFFIC.
  - ▲ 7. A 10' LANE SHALL ONLY BE UTILIZED WHEN PAVING OPERATIONS ARE DIRECTLY ADJACENT TO TRAFFIC. A 12' LANE SHALL BE MAINTAINED WHEN POSSIBLE.



**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 954+00.00 - STA. 955+00.00 4" WHITE EDGE LINE = 200 LIN. FT.  
 STA. 954+00.00 - STA. 955+00.00 4" YELLOW EDGE LINE = 200 LIN. FT.

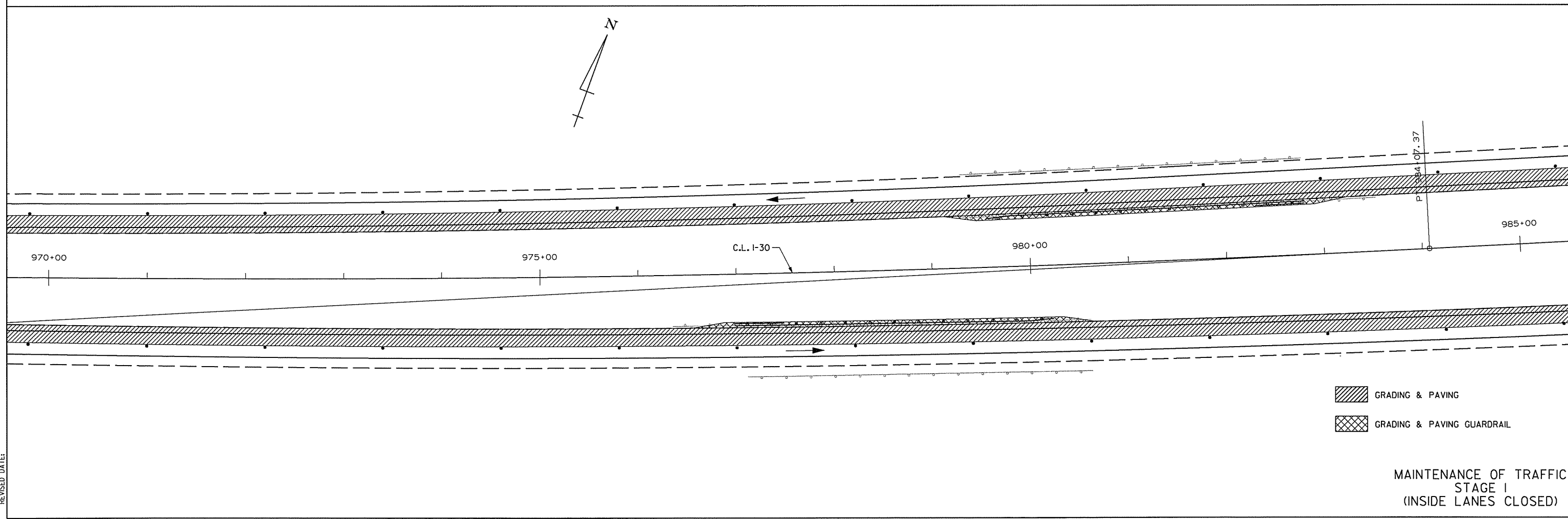
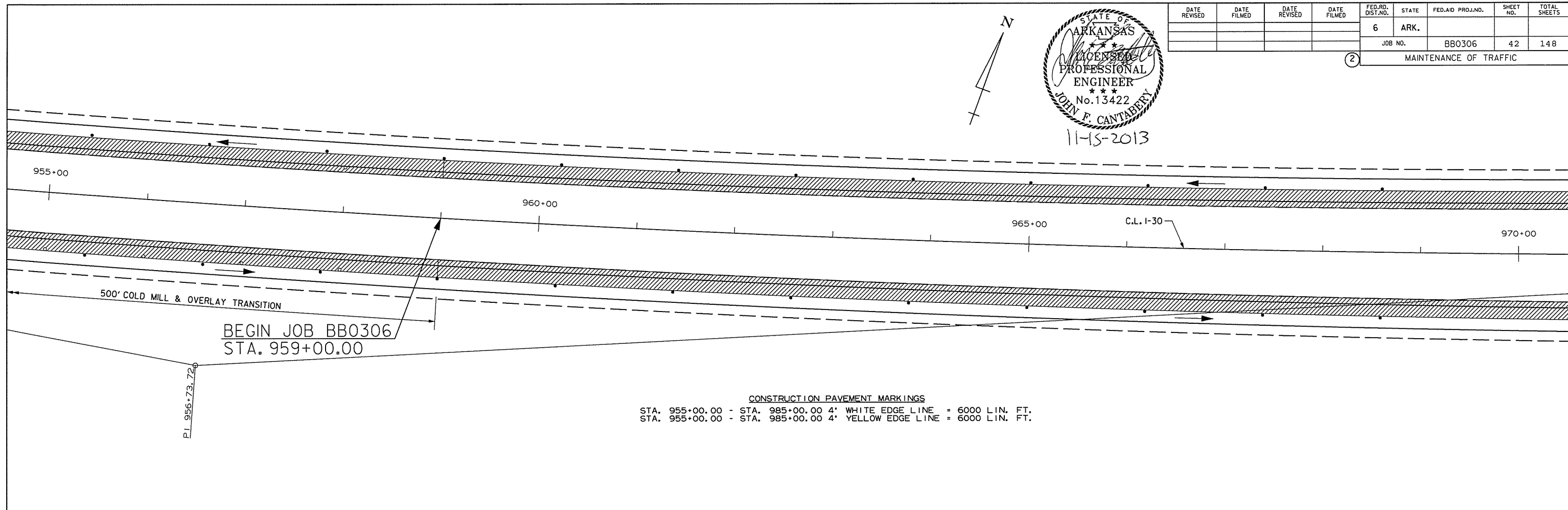
NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES.

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

1/2/2014 1:42:25 PM  
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 WORKSPACE: AHTD  
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 REVISED DATE:

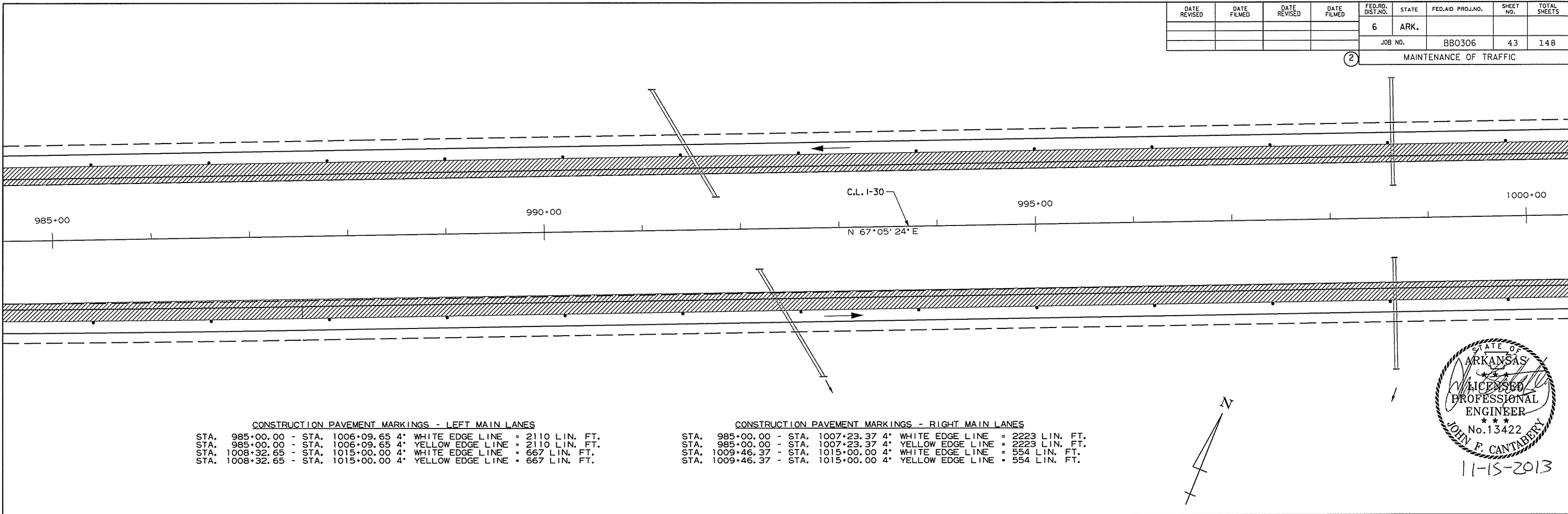
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		BB0306	42	148
MAINTENANCE OF TRAFFIC								

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERY  
 11-15-2013



sedonaldson 11/14/2013 2:26:44 PM  
 WORKSPACE: AHTD  
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 REVISED DATE:

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.	BBO306	43
						② MAINTENANCE OF TRAFFIC		

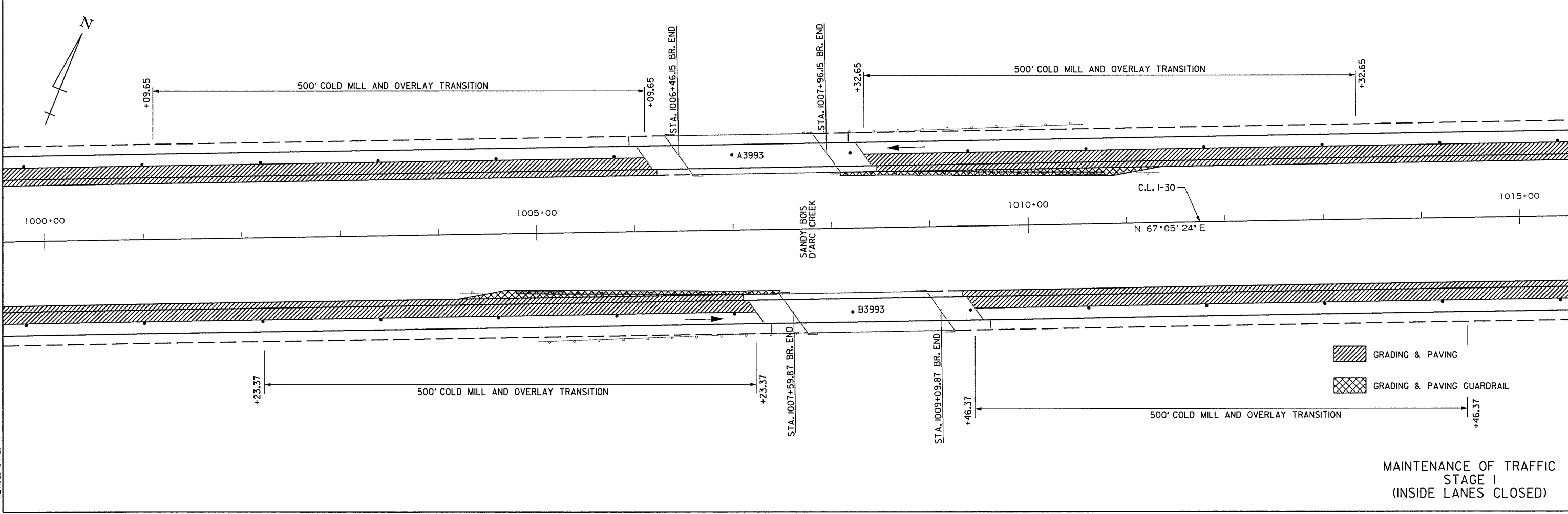


**CONSTRUCTION PAVEMENT MARKINGS - LEFT MAIN LANES**

STA. 985+00.00 - STA. 1006+09.65 4" WHITE EDGE LINE = 2110 LIN. FT.  
 STA. 985+00.00 - STA. 1006+09.65 4" YELLOW EDGE LINE = 2110 LIN. FT.  
 STA. 1008+32.65 - STA. 1015+00.00 4" WHITE EDGE LINE = 667 LIN. FT.  
 STA. 1008+32.65 - STA. 1015+00.00 4" YELLOW EDGE LINE = 667 LIN. FT.

**CONSTRUCTION PAVEMENT MARKINGS - RIGHT MAIN LANES**

STA. 985+00.00 - STA. 1007+23.37 4" WHITE EDGE LINE = 2223 LIN. FT.  
 STA. 985+00.00 - STA. 1007+23.37 4" YELLOW EDGE LINE = 2223 LIN. FT.  
 STA. 1009+46.37 - STA. 1015+00.00 4" WHITE EDGE LINE = 554 LIN. FT.  
 STA. 1009+46.37 - STA. 1015+00.00 4" YELLOW EDGE LINE = 554 LIN. FT.



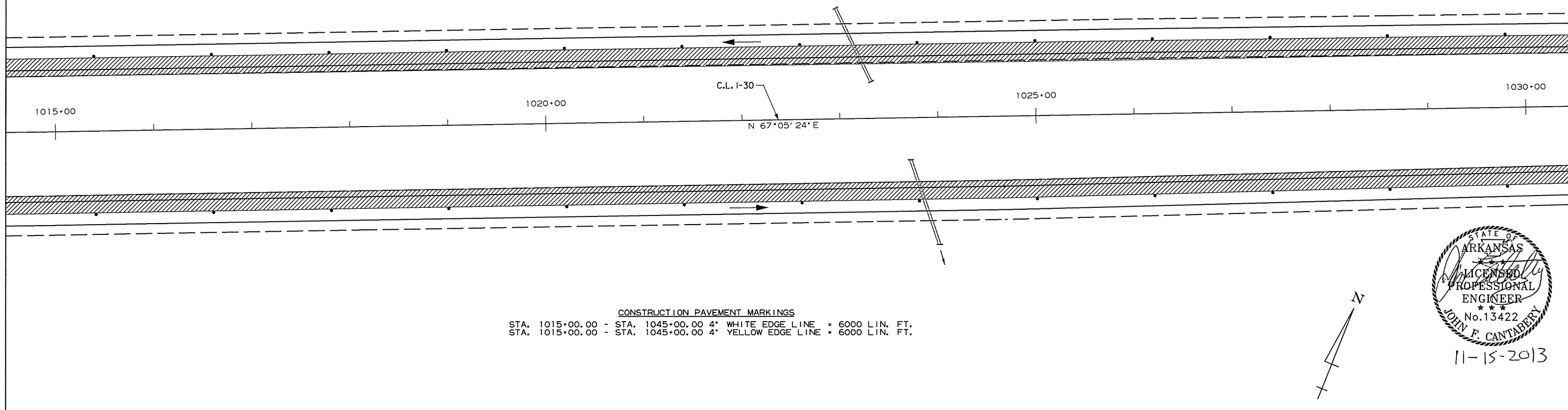
GRADING & PAVING  
 GRADING & PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

scdonaldson 11/14/2013 2:26:44 PM  
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 REVISED DATE:

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.						BBO306	44	148

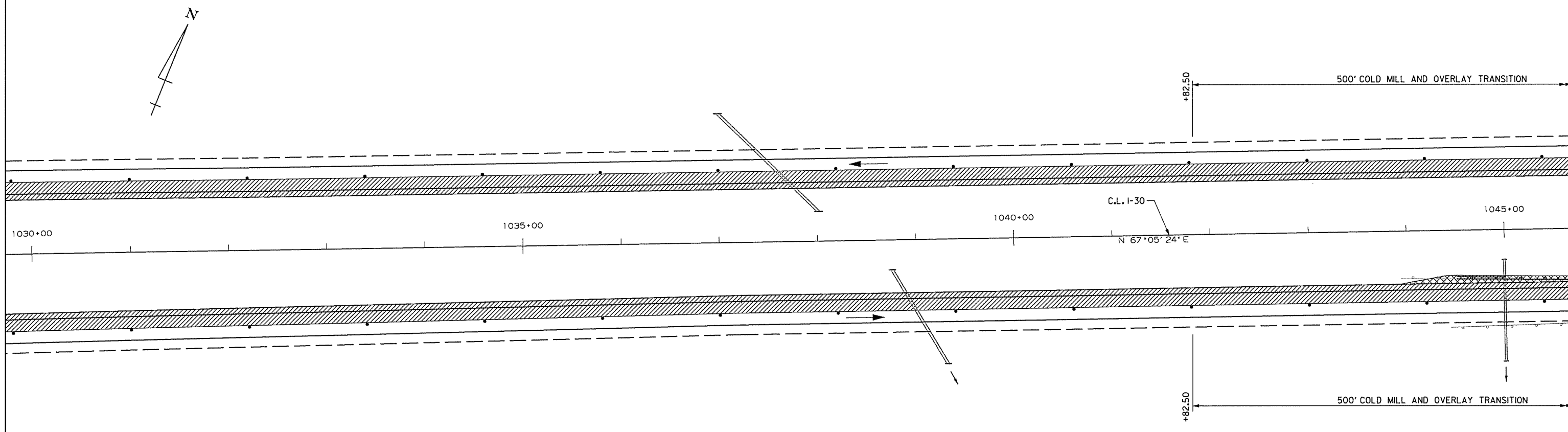
② MAINTENANCE OF TRAFFIC



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1015+00.00 - STA. 1045+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1015+00.00 - STA. 1045+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



11-15-2013

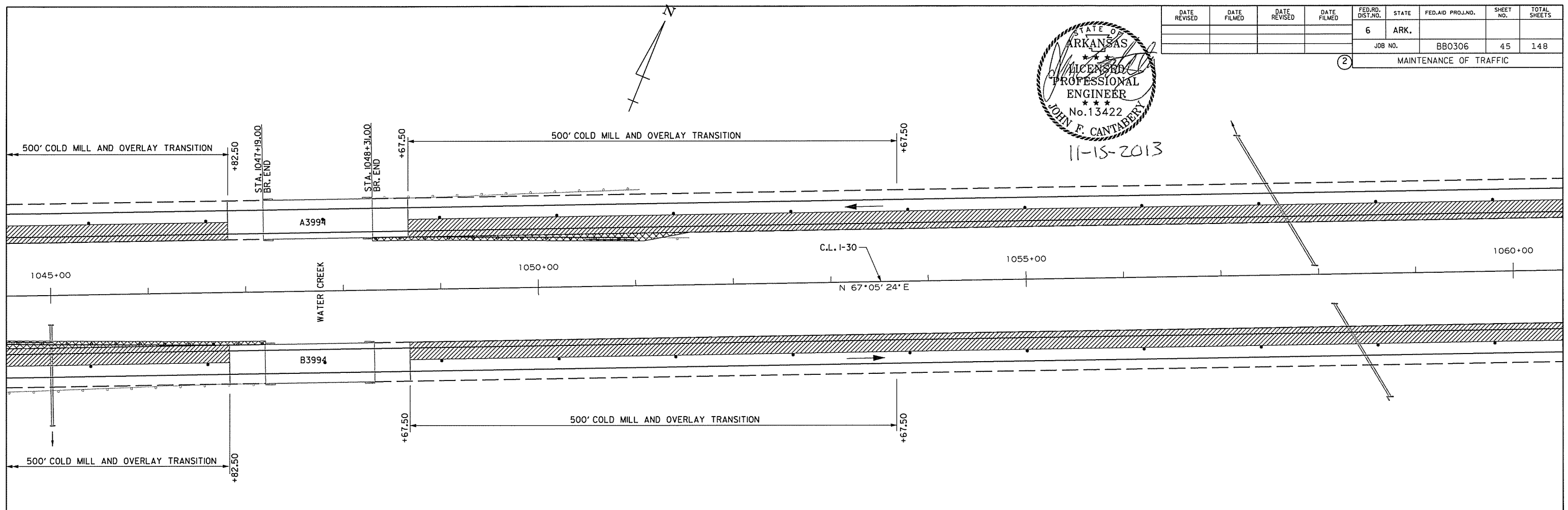
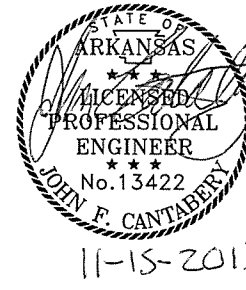


- GRADING & PAVING
- GRADING & PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

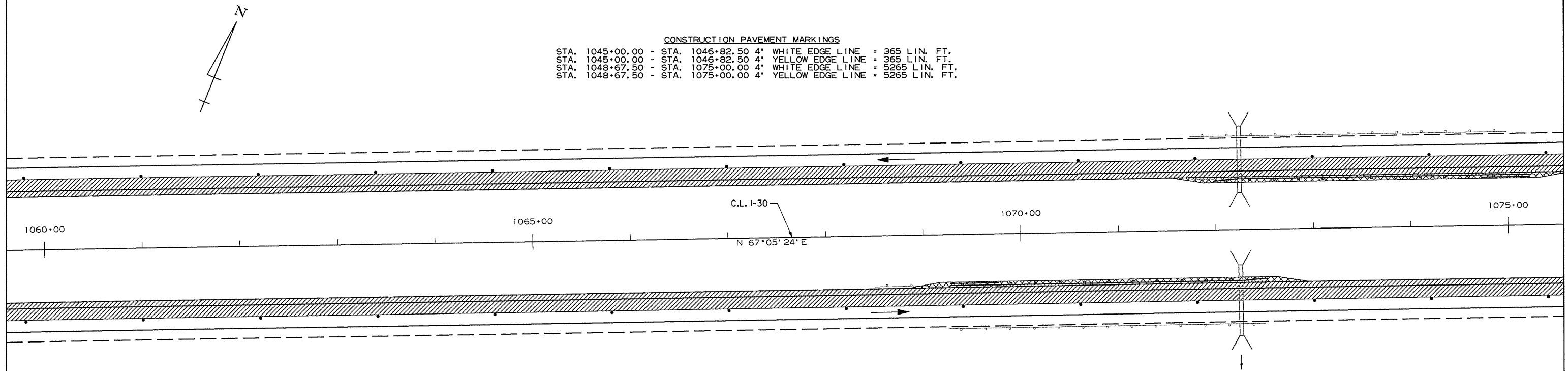
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				6	ARK.			
				JOB NO.		BB0306	45	148
				② MAINTENANCE OF TRAFFIC				



**CONSTRUCTION PAVEMENT MARKINGS**

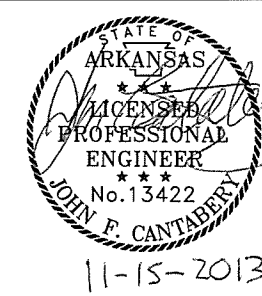
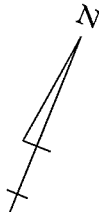
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 STA. 1045+00.00 - STA. 1046+82.50 4" YELLOW EDGE LINE = 365 LIN. FT.  
 STA. 1048+67.50 - STA. 1075+00.00 4" WHITE EDGE LINE = 5265 LIN. FT.  
 STA. 1048+67.50 - STA. 1075+00.00 4" YELLOW EDGE LINE = 5265 LIN. FT.



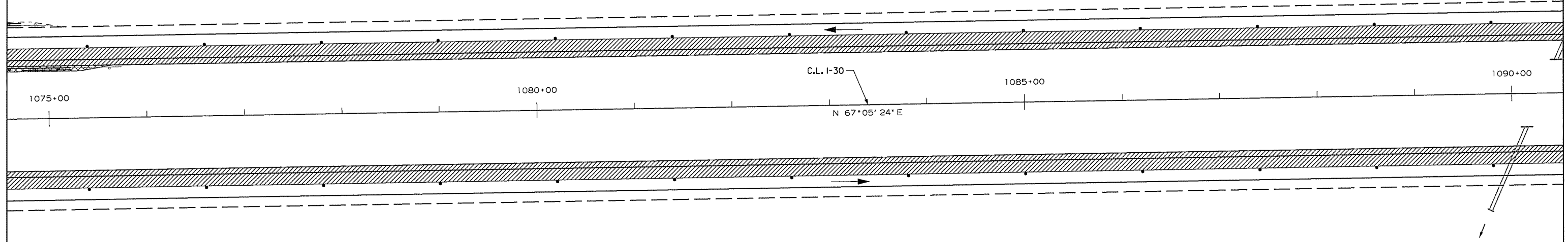
- GRADING & PAVING
- GRADING & PAVING GUARDRAIL

**MAINTENANCE OF TRAFFIC  
STAGE I  
(INSIDE LANES CLOSED)**

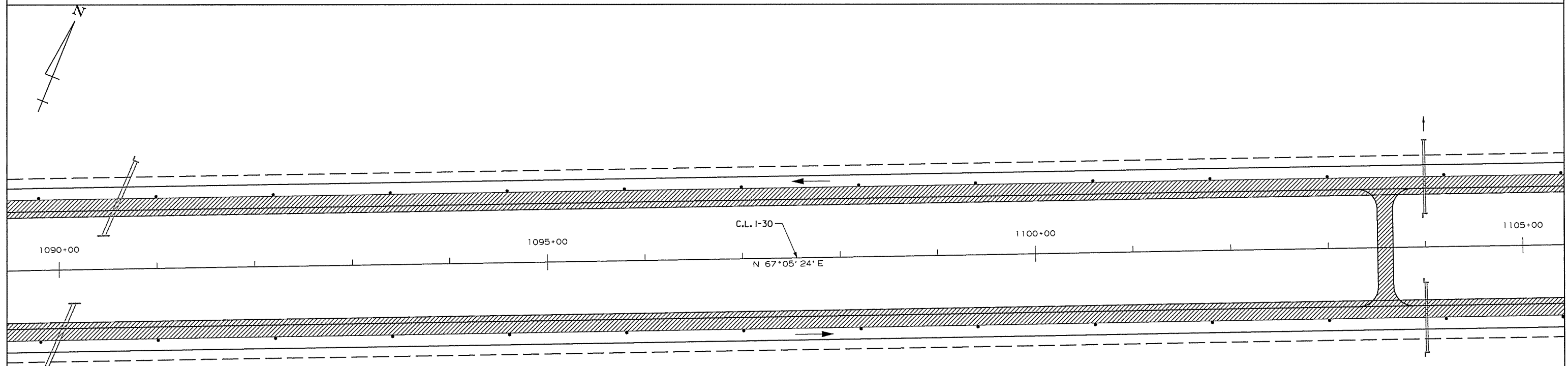
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 REVISED DATE:



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.	BB0306	46	148	
② MAINTENANCE OF TRAFFIC								



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1075+00.00 - STA. 1105+00.00 4' WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1075+00.00 - STA. 1105+00.00 4' YELLOW EDGE LINE = 6000 LIN. FT.

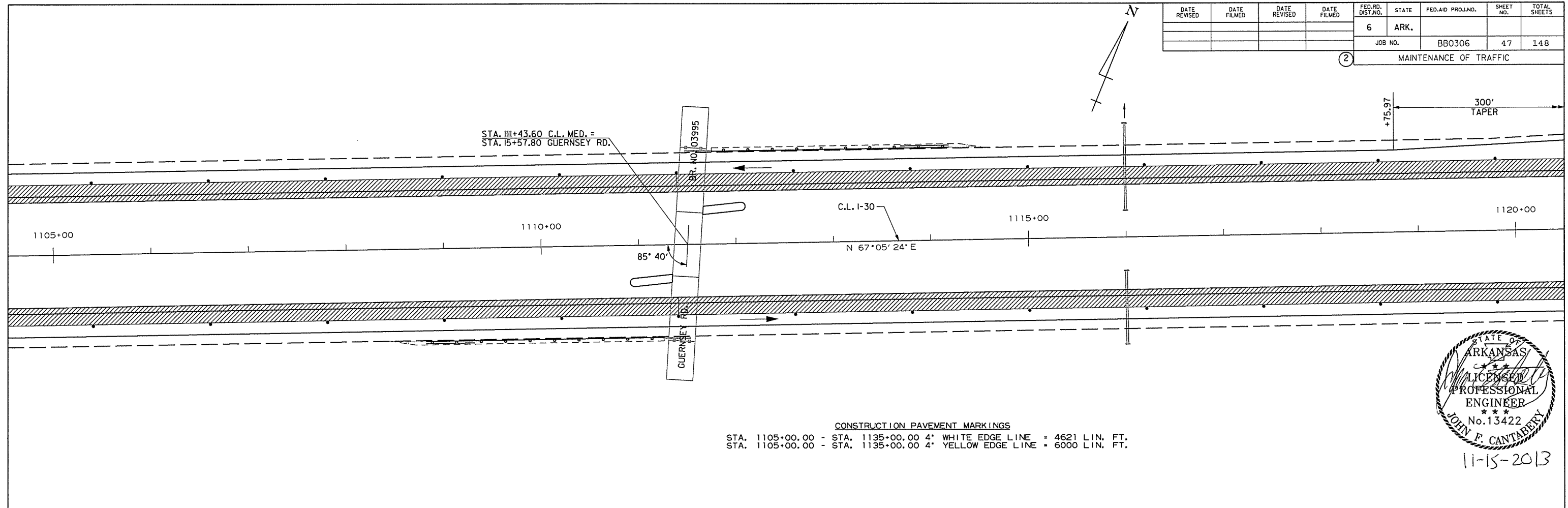


- GRADING & PAVING
- GRADING & PAVING GUARDRAIL

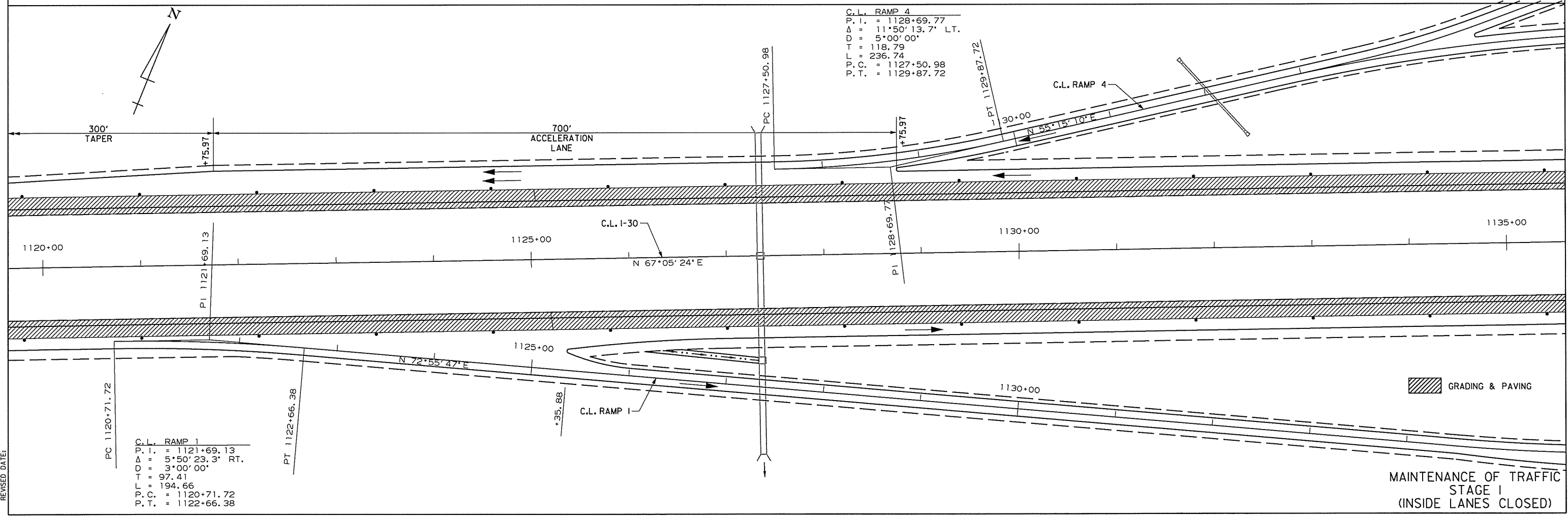
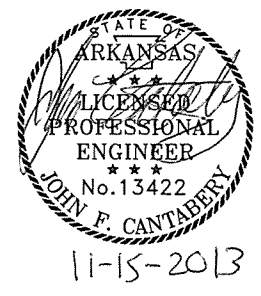
MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

11/14/2013 2:26:15 PM  
 sadonoldson AHTD  
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 REVISED DATE:

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.		BB0306	47	148
				② MAINTENANCE OF TRAFFIC				



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1105+00.00 - STA. 1135+00.00 4" WHITE EDGE LINE = 4621 LIN. FT.  
 STA. 1105+00.00 - STA. 1135+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



C.L. RAMP 1  
 P.I. = 1121+69.13  
 $\Delta$  = 5°50'23.3" RT.  
 D = 3°00'00"  
 T = 97.41  
 $\Gamma$  = 194.66  
 P.C. = 1120+71.72  
 P.T. = 1122+66.38

C.L. RAMP 4  
 P.I. = 1128+69.77  
 $\Delta$  = 11°50'13.7" LT.  
 D = 5°00'00"  
 T = 118.79  
 $\Gamma$  = 236.74  
 P.C. = 1127+50.98  
 P.T. = 1129+87.72

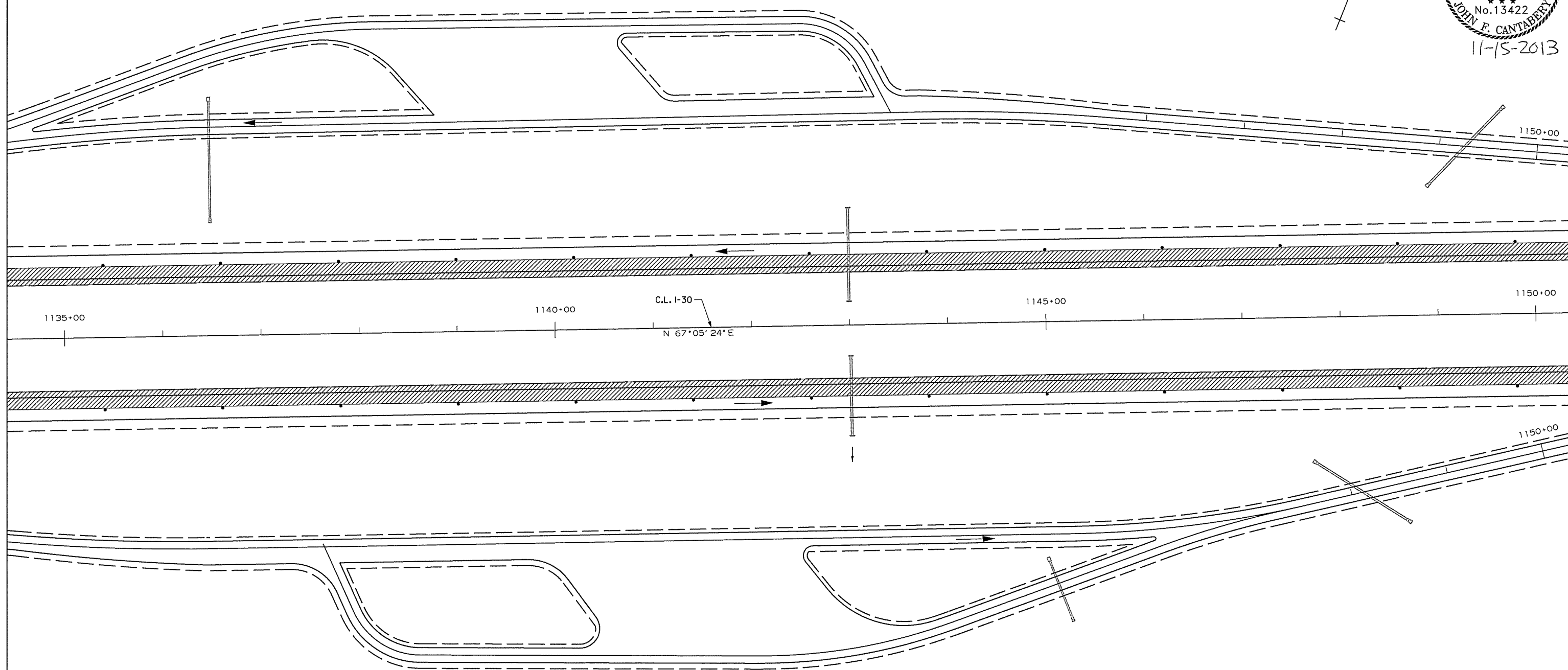
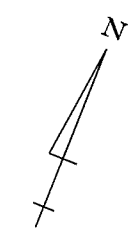
MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:05 PM  
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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.			
						BB0306	48	148

(2) MAINTENANCE OF TRAFFIC

CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1135+00.00 - STA. 1150+00.00 4' WHITE EDGE LINE = 3000 LIN. FT.  
 STA. 1135+00.00 - STA. 1150+00.00 4' YELLOW EDGE LINE = 3000 LIN. FT.



GRADING & PAVING

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

sodonaldson 11/14/2013 2:26:15 PM  
 WORKSPACE: AHTD  
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 REVISED DATE:



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						BBO306	49	148

② MAINTENANCE OF TRAFFIC

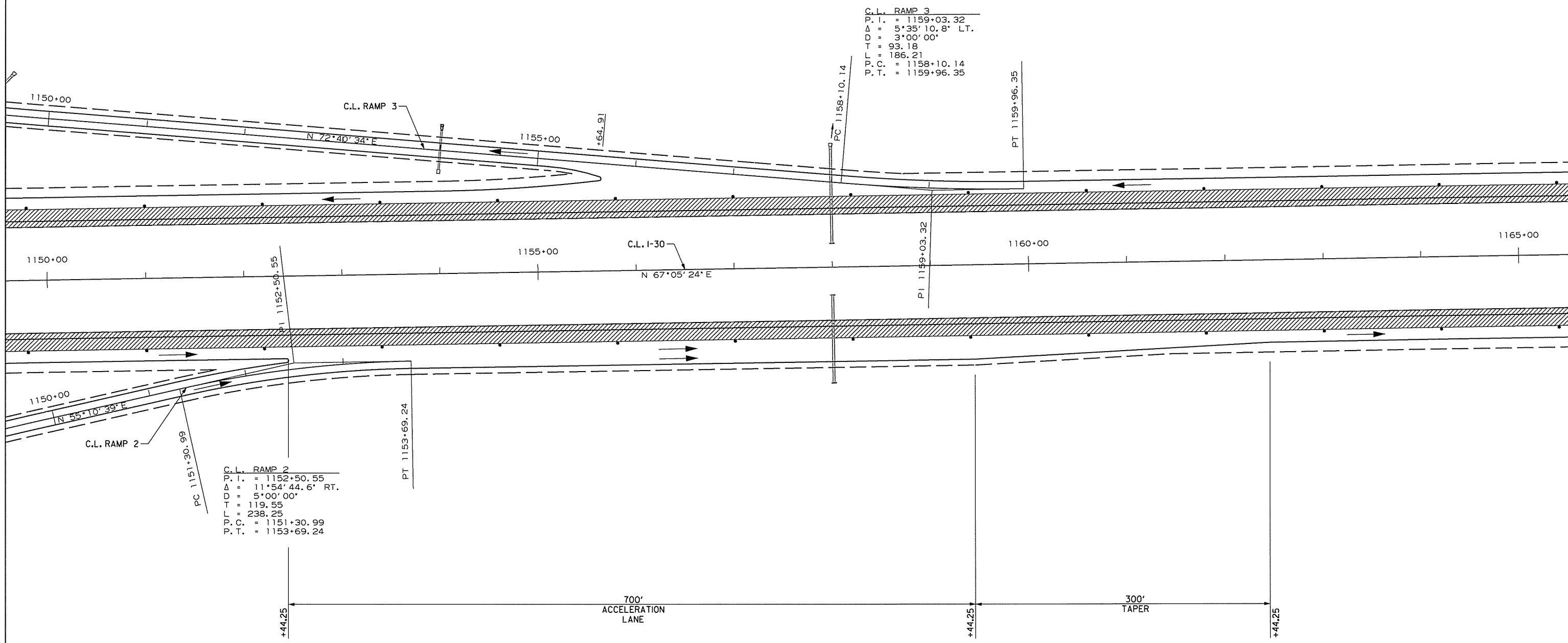


11-15-2013

**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 1150+00.00 - STA. 1165+00.00 4' WHITE EDGE LINE = 1623 LIN. FT.  
 STA. 1150+00.00 - STA. 1165+00.00 4' YELLOW EDGE LINE = 3000 LIN. FT.

**C.L. RAMP 3**  
 P. I. = 1159+03.32  
 $\Delta$  = 5°35'10.8" LT.  
 D = 3°00'00"  
 T = 93.18  
 L = 186.21  
 P. C. = 1158+10.14  
 P. T. = 1159+96.35

**C.L. RAMP 2**  
 P. I. = 1152+50.55  
 $\Delta$  = 11°54'44.6" RT.  
 D = 5°00'00"  
 T = 119.55  
 L = 238.25  
 P. C. = 1151+30.99  
 P. T. = 1153+69.24

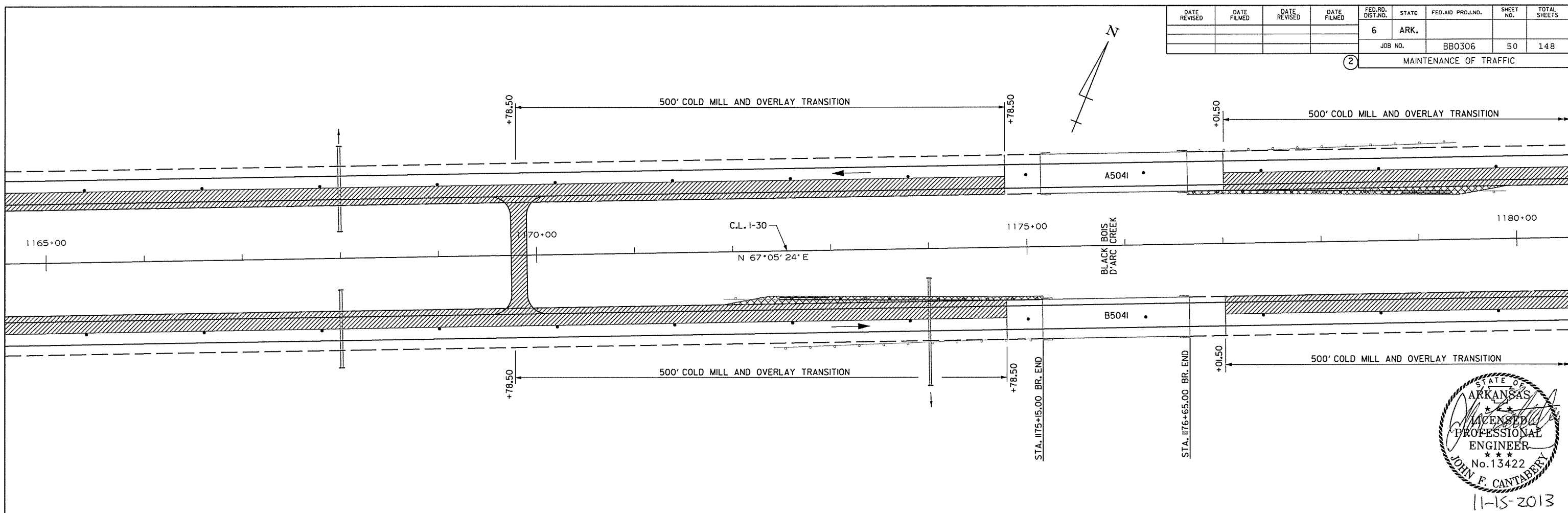


GRADING & PAVING

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

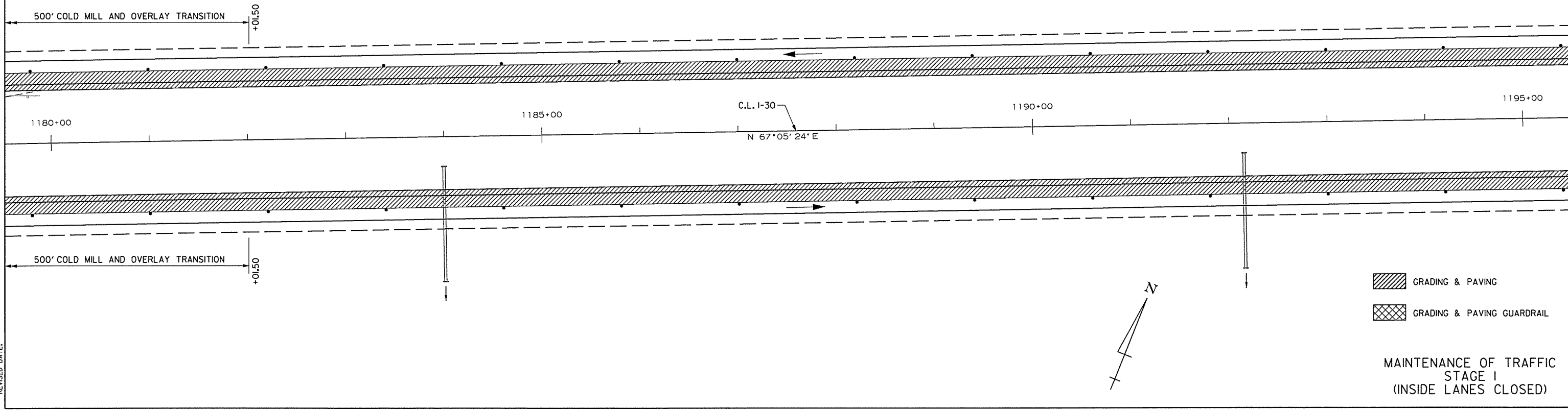
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 REVISED DATE:

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.	BBO306		50	148
				② MAINTENANCE OF TRAFFIC				



**CONSTRUCTION PAVEMENT MARKINGS**

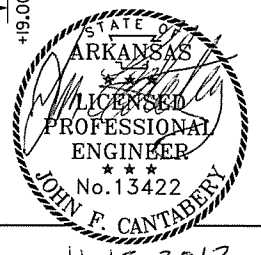
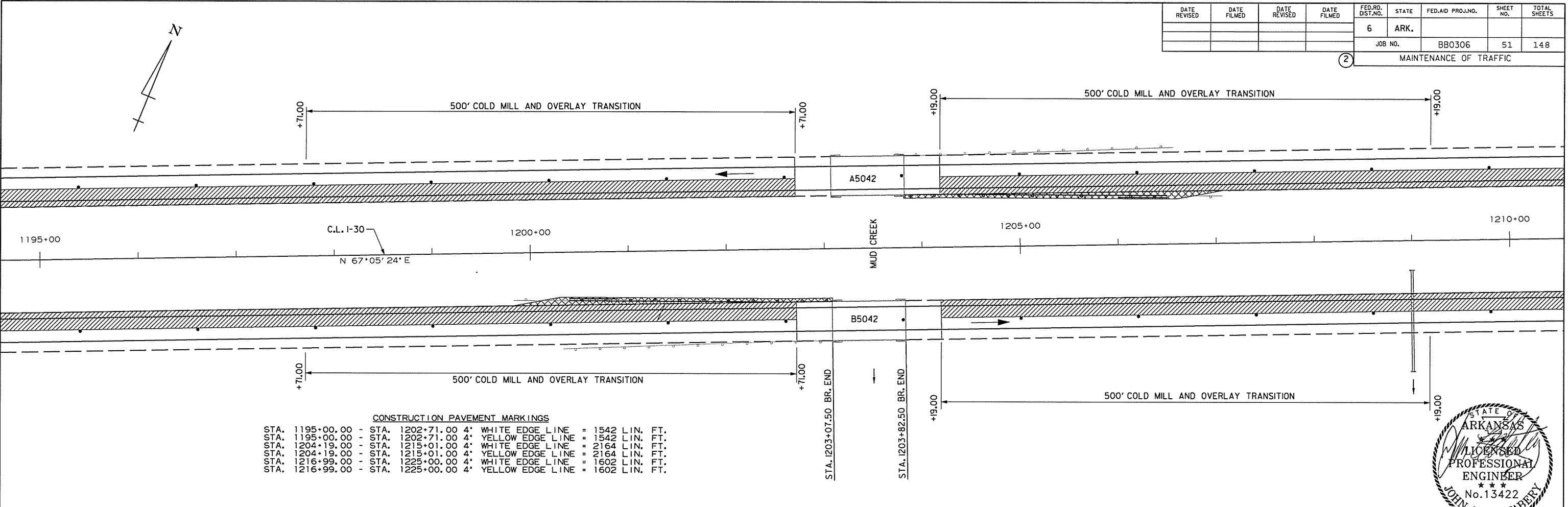
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 STA. 1165+00.00 - STA. 1174+78.50 4" YELLOW EDGE LINE = 1957 LIN. FT.  
 STA. 1177+01.50 - STA. 1195+00.00 4" WHITE EDGE LINE = 3597 LIN. FT.  
 STA. 1177+01.50 - STA. 1195+00.00 4" YELLOW EDGE LINE = 3597 LIN. FT.



MAINTENANCE OF TRAFFIC  
STAGE I  
(INSIDE LANES CLOSED)

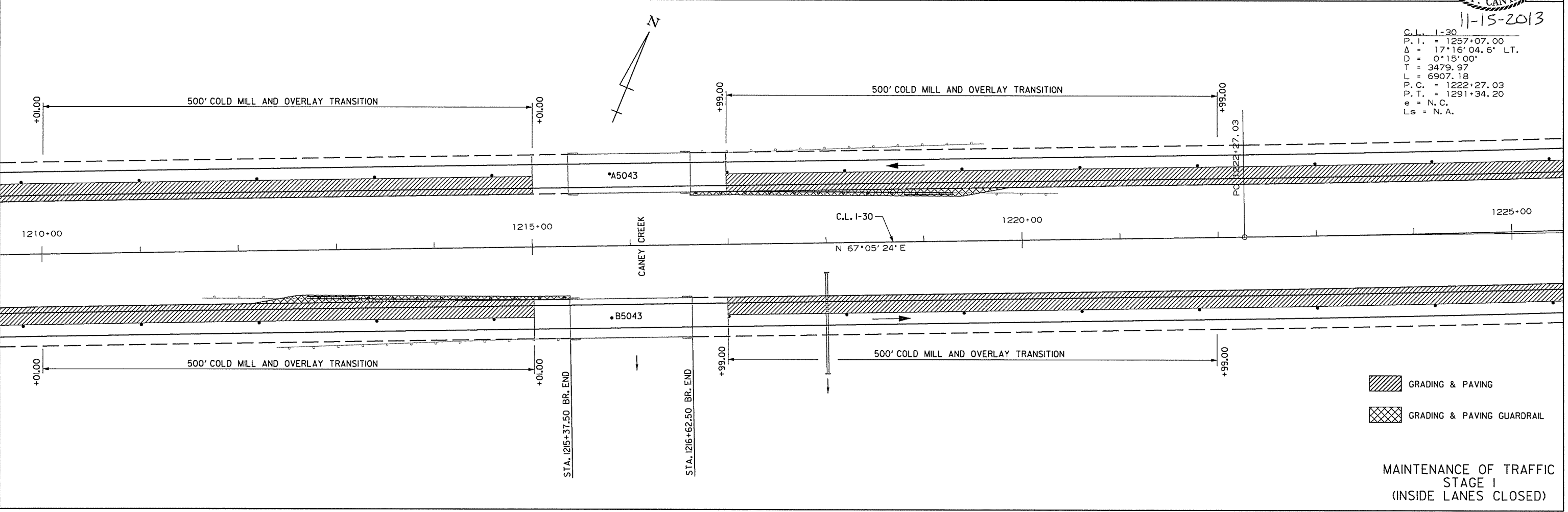
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REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.	BB0306	51	148	
② MAINTENANCE OF TRAFFIC								



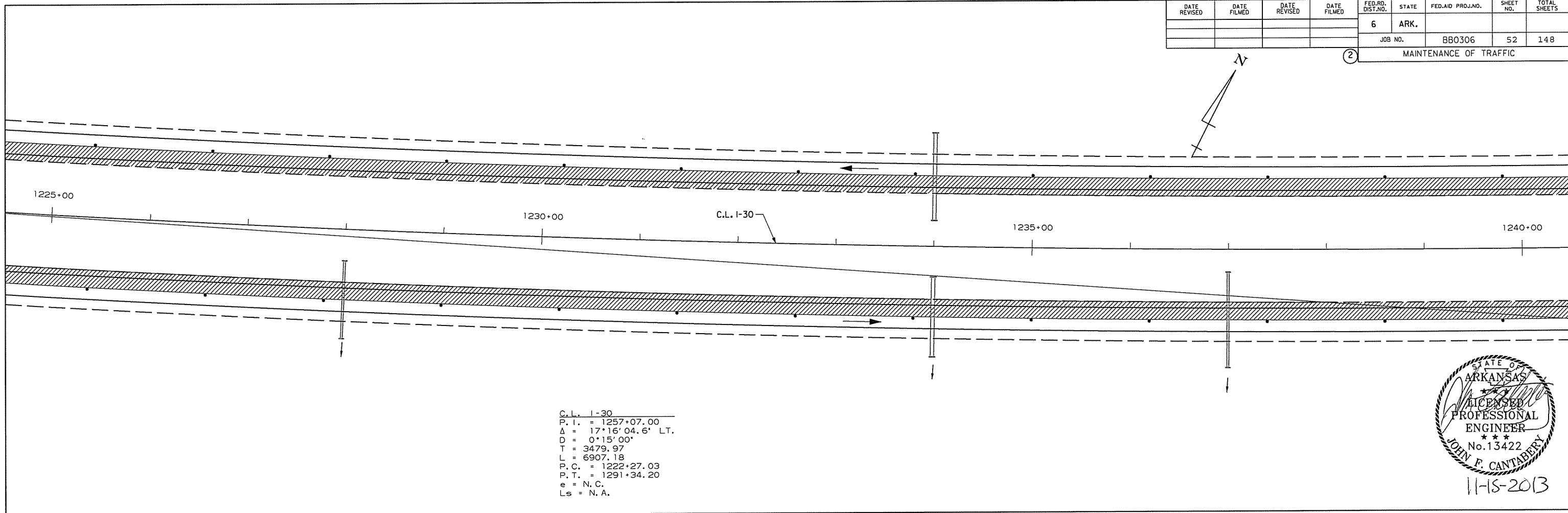
11-15-2013

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 P.I. = 1257+07.00  
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 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $Ls = N.A.$

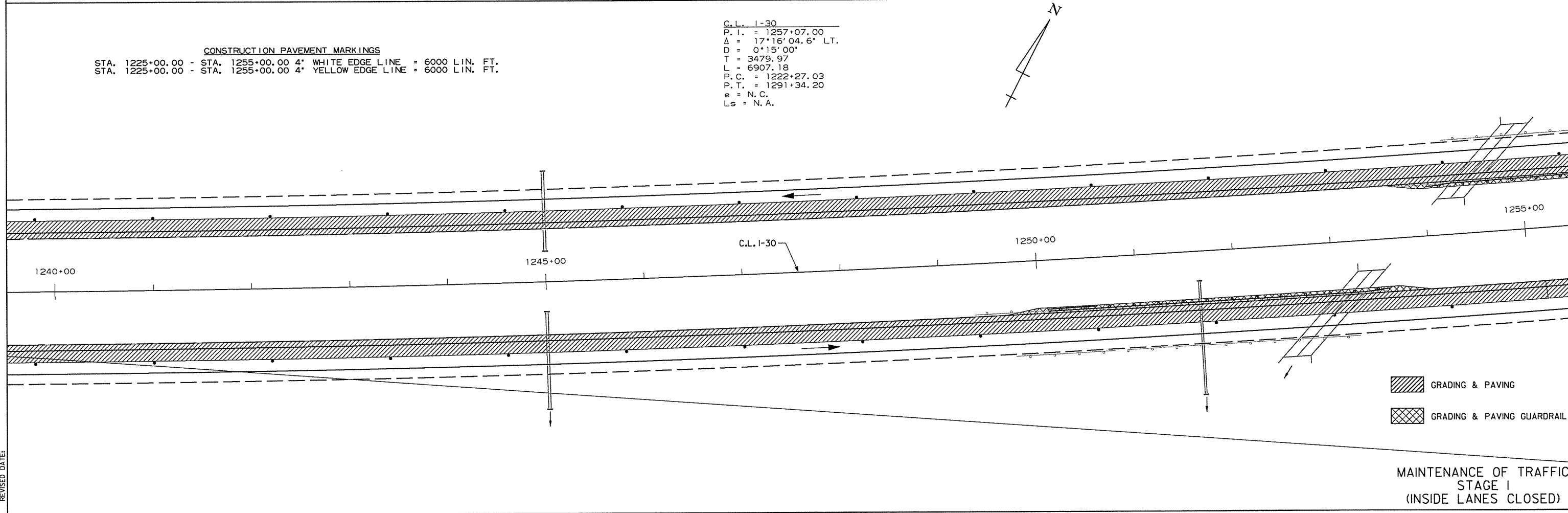


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				6	ARK.			
				JOB NO.	BBO306	52	148	
② MAINTENANCE OF TRAFFIC								



C.L. I-30  
P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.



**CONSTRUCTION PAVEMENT MARKINGS**  
STA. 1225+00.00 - STA. 1255+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
STA. 1225+00.00 - STA. 1255+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.

C.L. I-30  
P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.

- GRADING & PAVING
- GRADING & PAVING GUARDRAIL

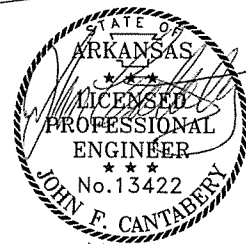
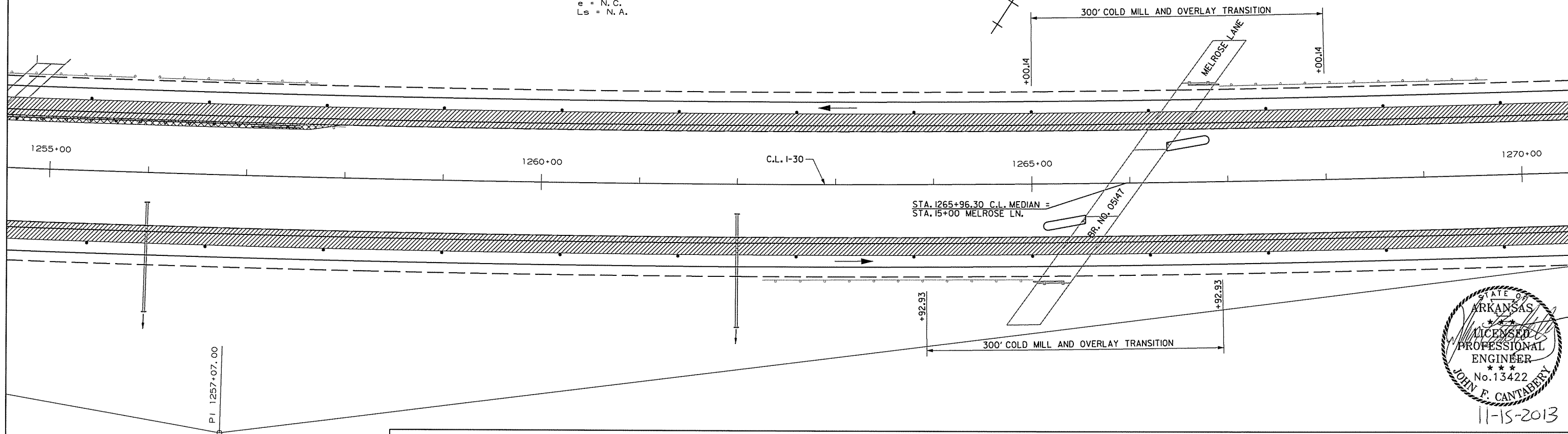
MAINTENANCE OF TRAFFIC  
STAGE I  
(INSIDE LANES CLOSED)

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REVISED DATE:

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 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

DATE REVISION	DATE FILMED	DATE REVISION	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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				JOB NO.	BBO306		53	148

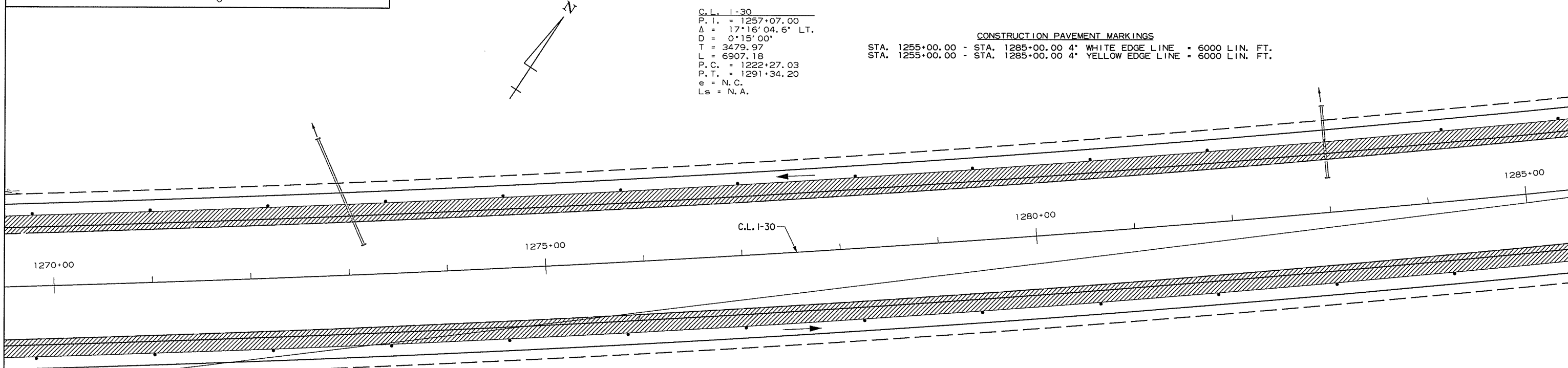
② MAINTENANCE OF TRAFFIC



11-15-2013

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 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

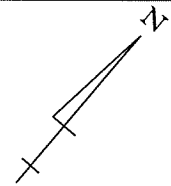
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 STA. 1255+00.00 - STA. 1285+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



- GRADING & PAVING
- GRADING & PAVING GUARDRAIL

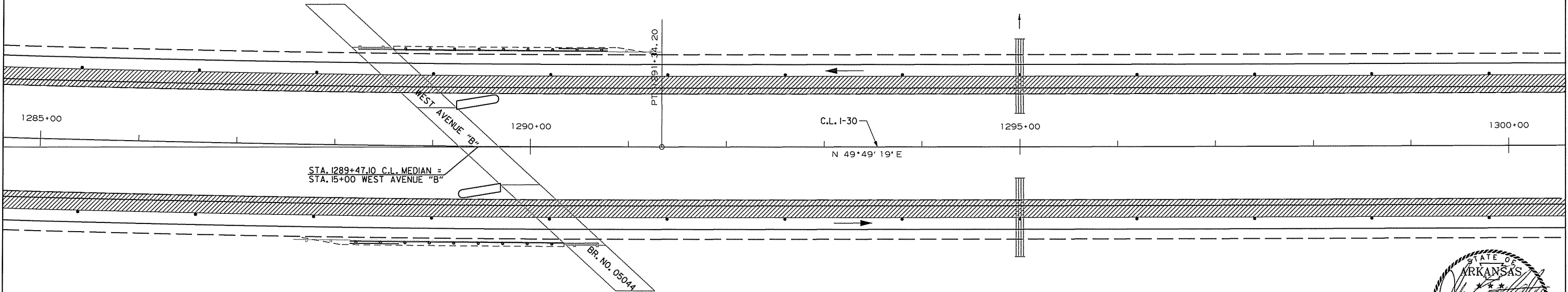
MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

sadonoldson 11/14/2013 2:26:16 PM  
 WORKSPACE: AHTD  
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 REVISION DATE:

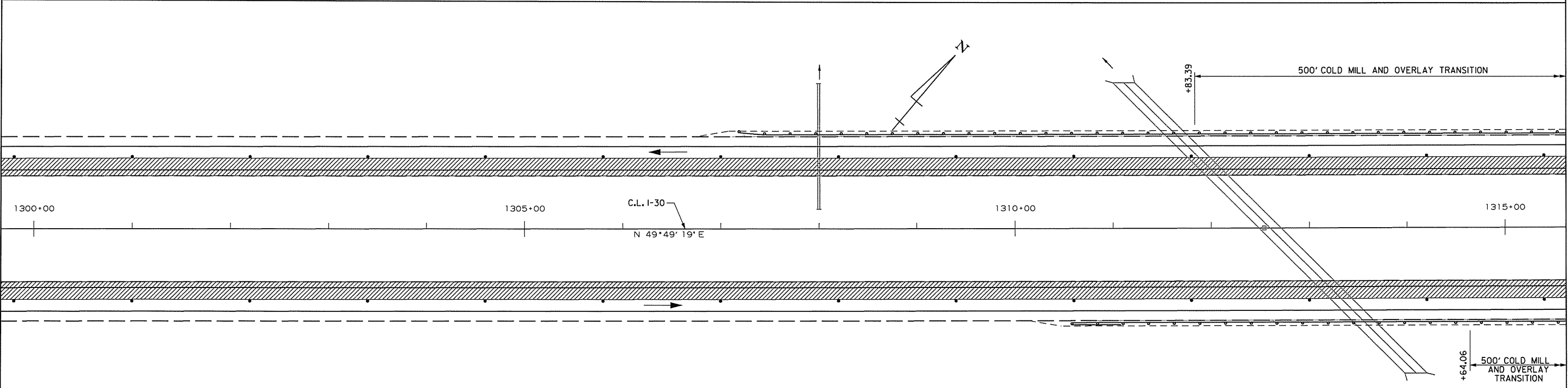
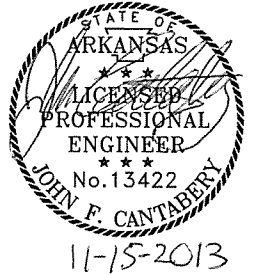




C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $Ls = N.A.$

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.	BBO306		54	148
				② MAINTENANCE OF TRAFFIC				



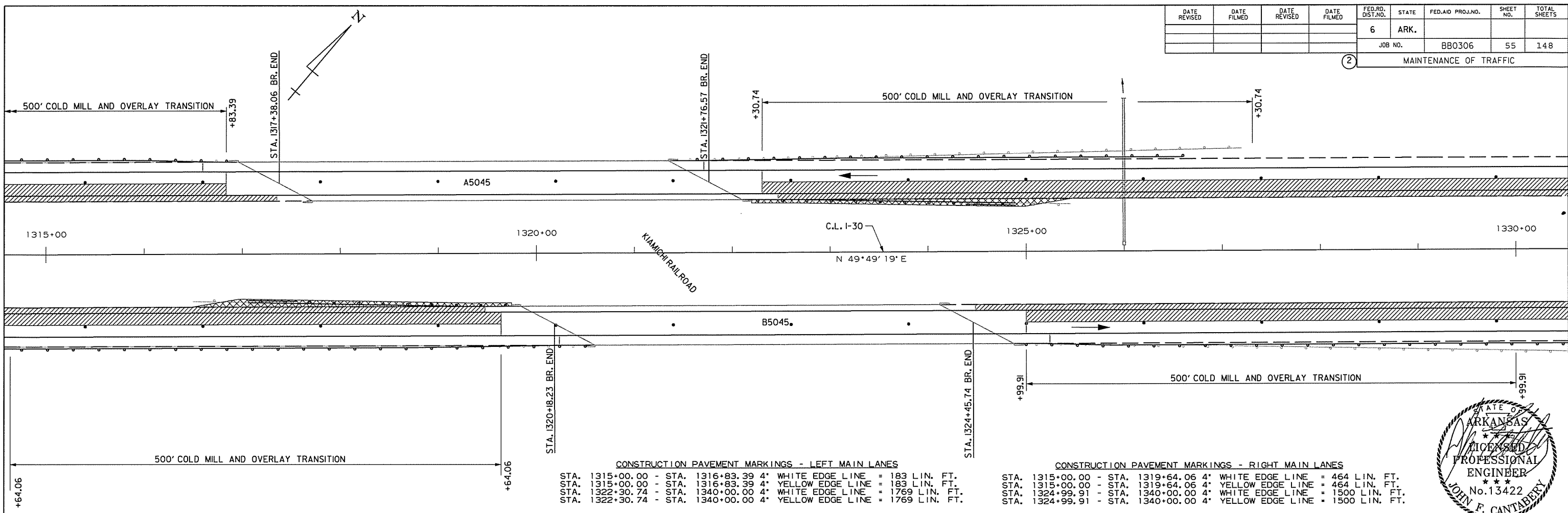
**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 1285+01.50 - STA. 1315+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1285+01.50 - STA. 1315+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



 GRADING & PAVING  
 GRADING & PAVING GUARDRAIL  
**MAINTENANCE OF TRAFFIC**  
**STAGE I**  
**(INSIDE LANES CLOSED)**

sadenaldson 11/14/2013 2:26:17 PM  
 WORKSPACE\_AHTD  
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 REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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② MAINTENANCE OF TRAFFIC								

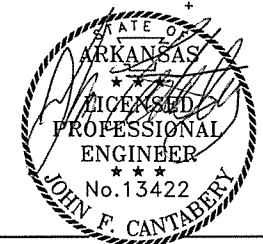


**CONSTRUCTION PAVEMENT MARKINGS - LEFT MAIN LANES**

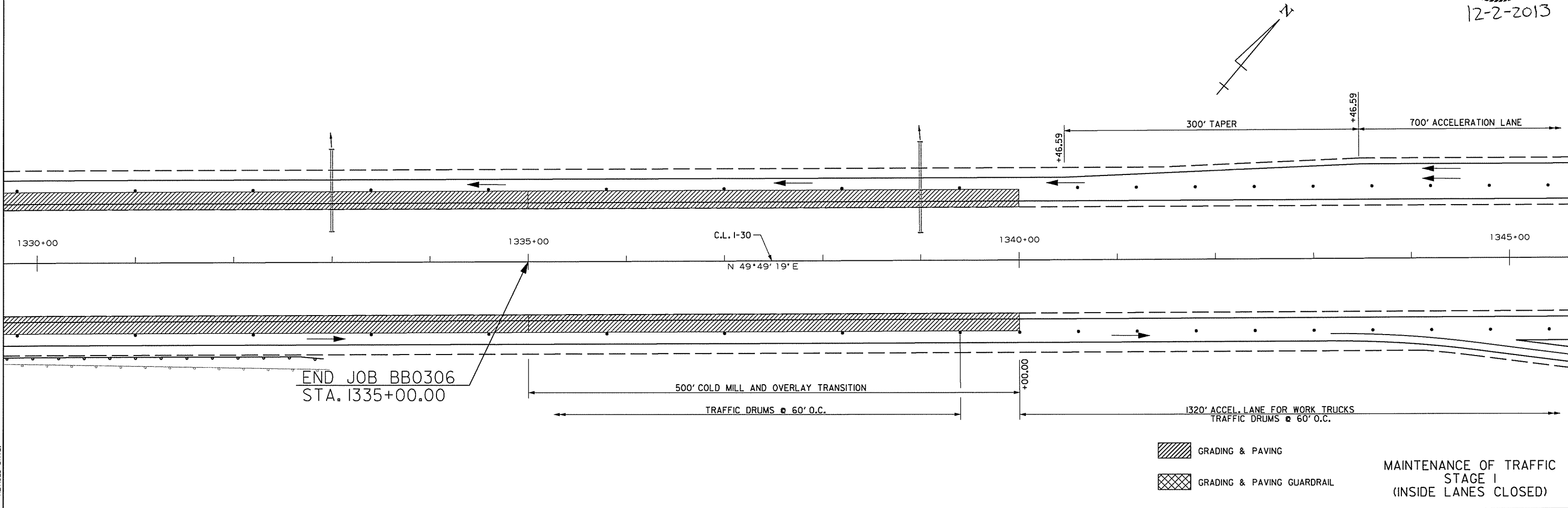
STA. 1315+00.00 - STA. 1316+83.39 4" WHITE EDGE LINE = 183 LIN. FT.  
 STA. 1315+00.00 - STA. 1316+83.39 4" YELLOW EDGE LINE = 183 LIN. FT.  
 STA. 1322+30.74 - STA. 1340+00.00 4" WHITE EDGE LINE = 1769 LIN. FT.  
 STA. 1322+30.74 - STA. 1340+00.00 4" YELLOW EDGE LINE = 1769 LIN. FT.



**CONSTRUCTION PAVEMENT MARKINGS - RIGHT MAIN LANES**

STA. 1315+00.00 - STA. 1319+64.06 4" WHITE EDGE LINE = 464 LIN. FT.  
 STA. 1315+00.00 - STA. 1319+64.06 4" YELLOW EDGE LINE = 464 LIN. FT.  
 STA. 1324+99.91 - STA. 1340+00.00 4" WHITE EDGE LINE = 1500 LIN. FT.  
 STA. 1324+99.91 - STA. 1340+00.00 4" YELLOW EDGE LINE = 1500 LIN. FT.



12-2-2013

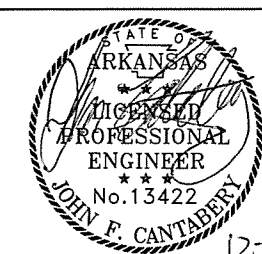


 GRADING & PAVING  
 GRADING & PAVING GUARDRAIL

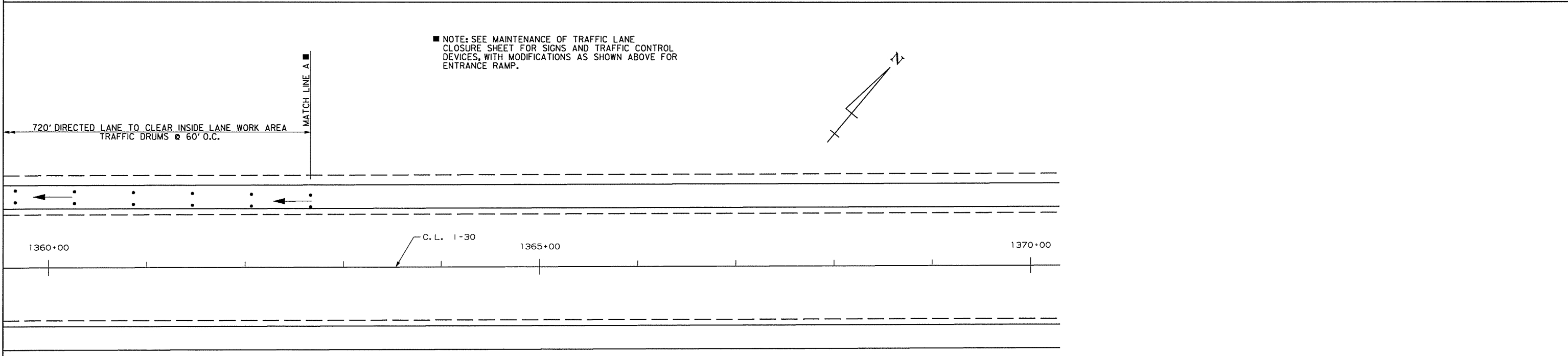
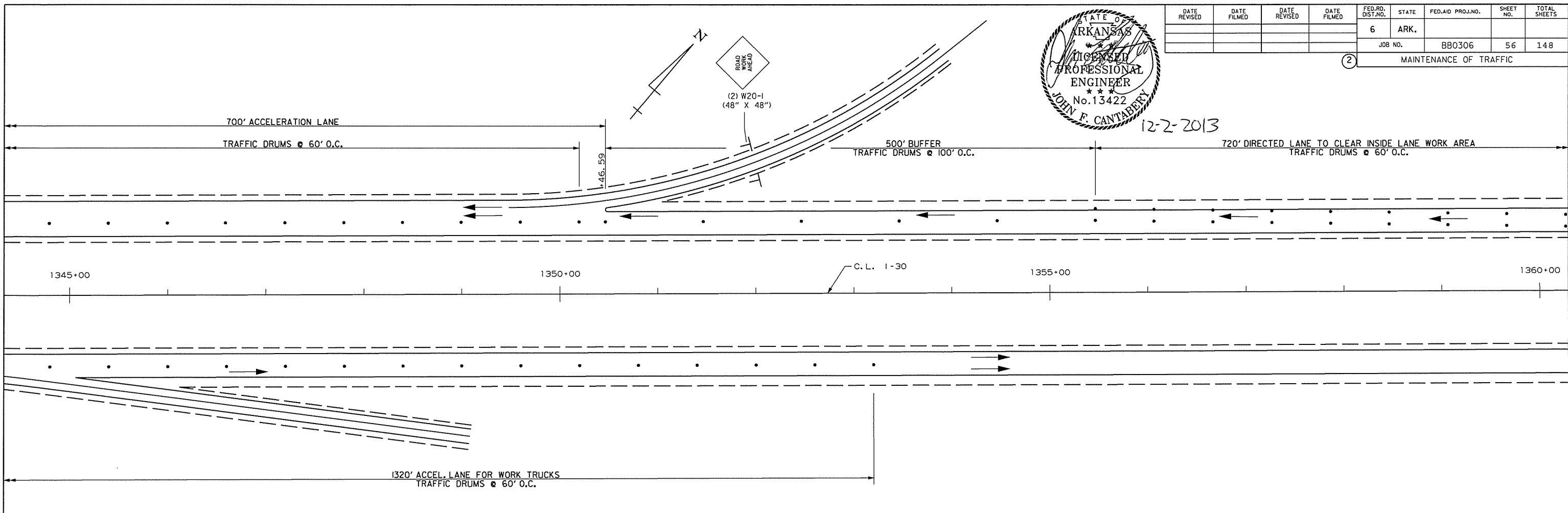
MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

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				JOB NO.	BB0306	56	148	
② MAINTENANCE OF TRAFFIC								



12-2-2013



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 REVISED DATE:

MAINTENANCE OF TRAFFIC  
 STAGE I  
 (INSIDE LANES CLOSED)

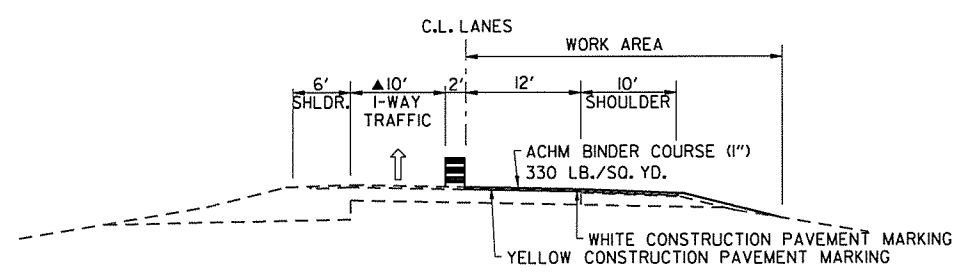


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						JOB NO. BB0306	57	148

② MAINTENANCE OF TRAFFIC



1-2-2014



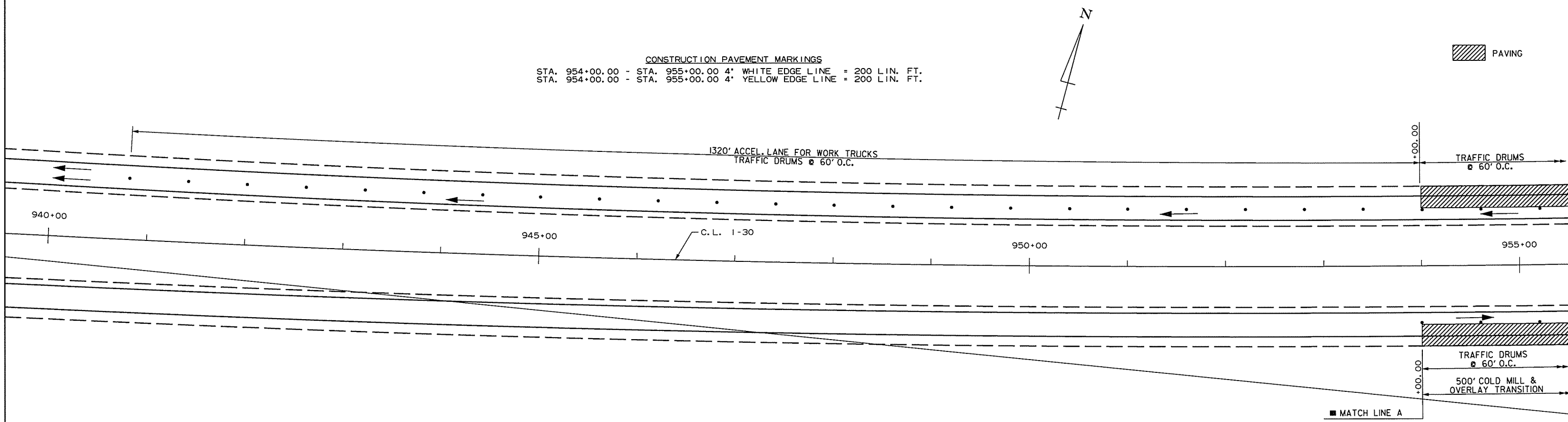
STAGE 2 MAINTENANCE OF TRAFFIC TYPICAL SECTION  
RIGHT LANE SHOWN

STAGE 2 CONSTRUCTION SEQUENCE NOTES

1. MOVE TRAFFIC TO INSIDE LANES AS SHOWN IN LANE CLOSURE SHEET.
2. CONTINUE BARRELS ALONG CENTERLINE OF LANES AT 60' INTERVAL FOR LENGTH OF JOB.
3. AT GUARDRAIL WIDENING LOCATIONS, PLACE BOTH BINDER AND SURFACE COURSES, AND INSTALL GUARDRAIL. SHOULDER TRANSITIONS AT BRIDGE ENDS SHOULD FOLLOW 'DETAIL FOR MAIN LANE TRANSITIONS' SHOWN IN SPECIAL DETAILS.
4. FROM STA. 954+00 TO STA. 1340+00 PAVE OUTSIDE LANES AND SHOULDERS WITH BINDER COURSE. AT TRANSITIONS, PAVE ENTIRE LENGTH WITH SURFACE COURSE. A MINIMUM 300' VERTICAL TAPER IS REQUIRED TO TRANSITION FROM THE PROPOSED BINDER COURSE TO THE EXISTING ROADWAY SURFACE.
5. FROM STA. 1118+75.97 TO STA. 1162+44.25, THE WEIGH STATION SHALL BE CLOSED TO ALLOW PAVING WITH BINDER COURSE IN THE GORE AND RAMP AREAS. ONCE THE PAVING IS FINISHED, THE WEIGH STATION SHALL BE REOPENED AS SHOWN IN STAGES 2A AND 2B.
6. PLACE CONSTRUCTION PAVEMENT MARKINGS ALONG LT. & RT. EDGE LINES FOR OUTSIDE LANES PRIOR TO OPENING TO TRAFFIC.
- ▲ 7. A 10' LANE SHALL ONLY BE UTILIZED WHEN PAVING OPERATIONS ARE DIRECTLY ADJACENT TO TRAFFIC. A 12' LANE SHALL BE MAINTAINED WHEN POSSIBLE.

CONSTRUCTION PAVEMENT MARKINGS

STA. 954+00.00 - STA. 955+00.00 4' WHITE EDGE LINE = 200 LIN. FT.  
STA. 954+00.00 - STA. 955+00.00 4' YELLOW EDGE LINE = 200 LIN. FT.

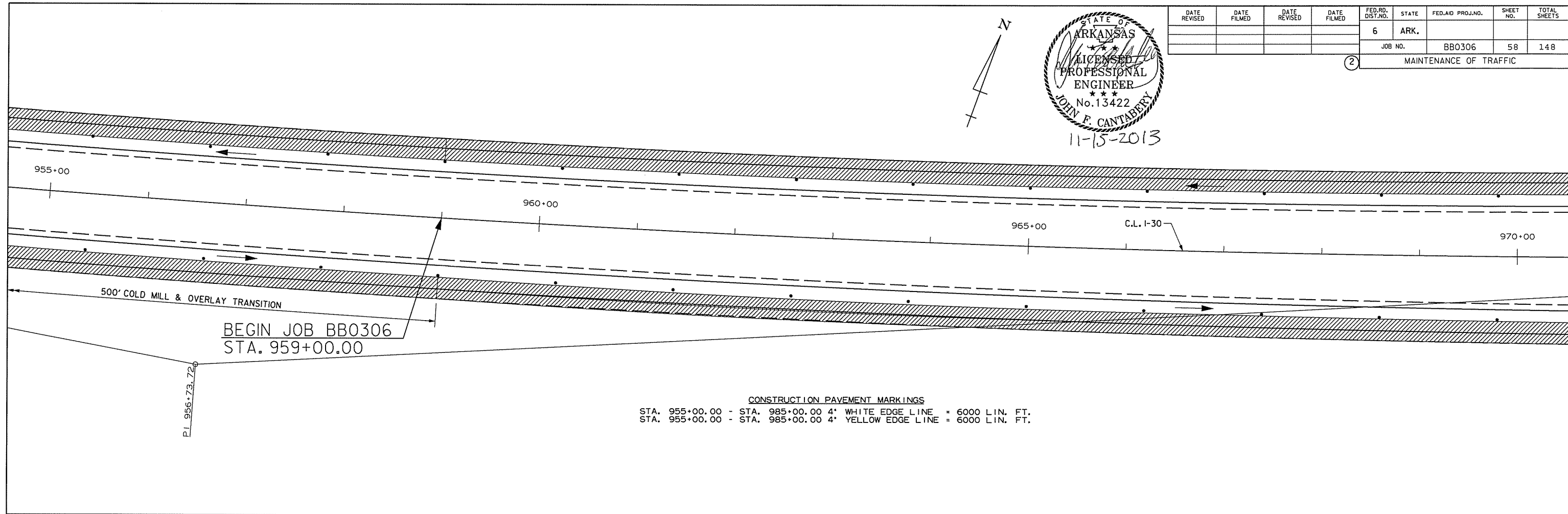
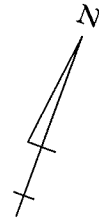
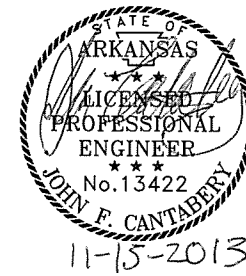


NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES.

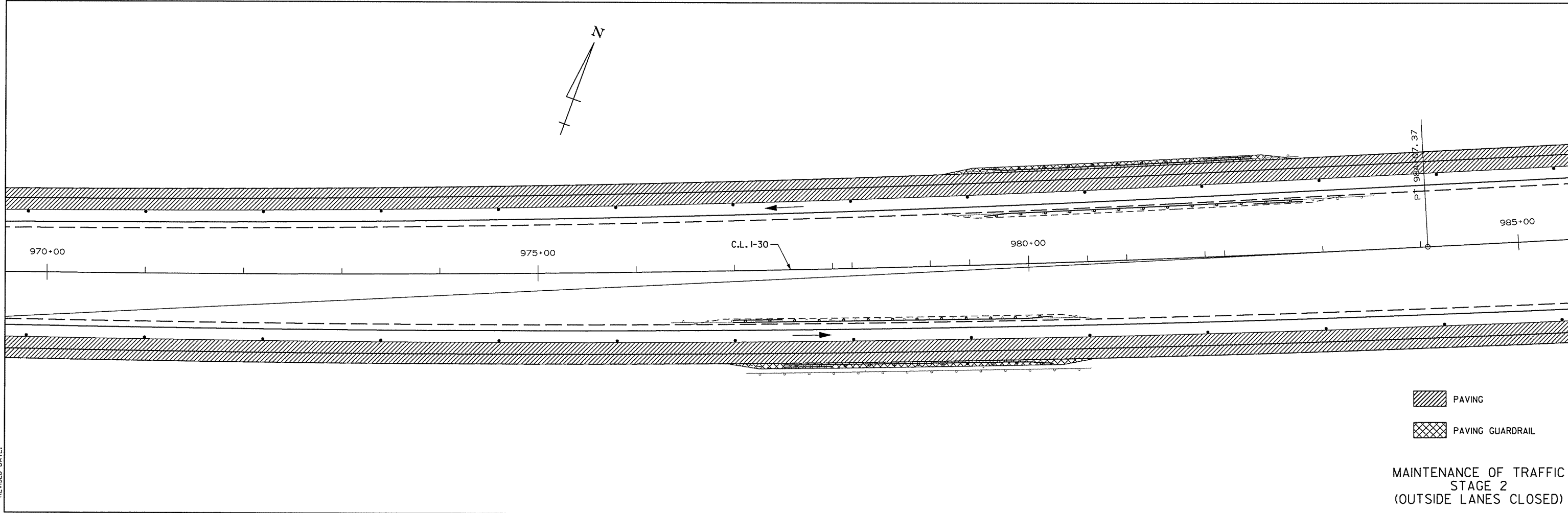
MAINTENANCE OF TRAFFIC  
STAGE 2  
(OUTSIDE LANES CLOSED)

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				6	ARK.				
							JOB NO. BB0306	58	148
② MAINTENANCE OF TRAFFIC									



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 955+00.00 - STA. 985+00.00 4' WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 955+00.00 - STA. 985+00.00 4' YELLOW EDGE LINE = 6000 LIN. FT.



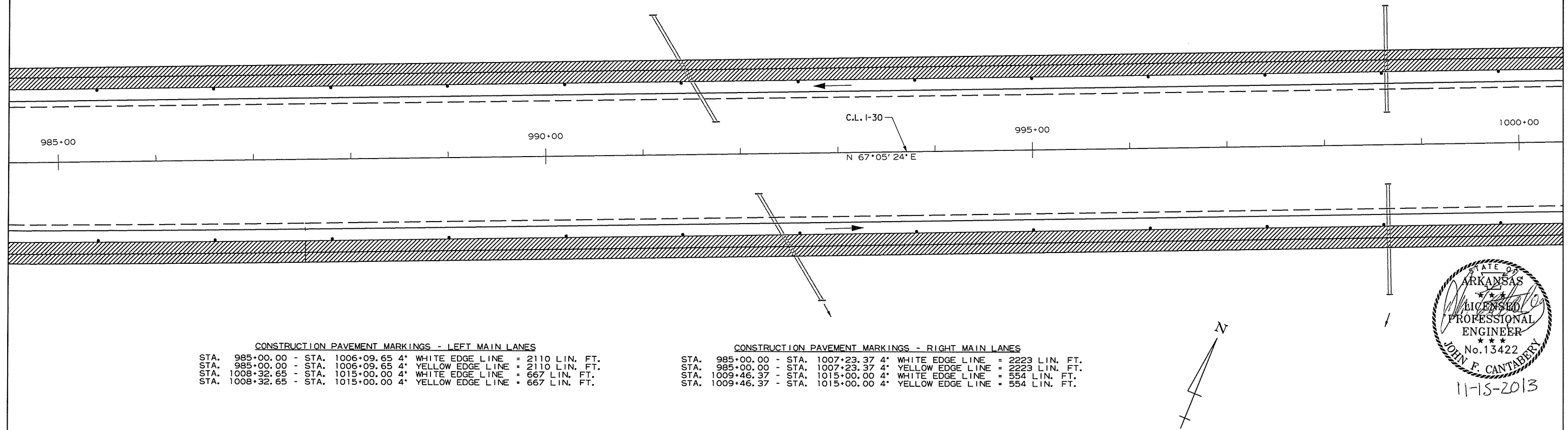
PAVING  
 PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

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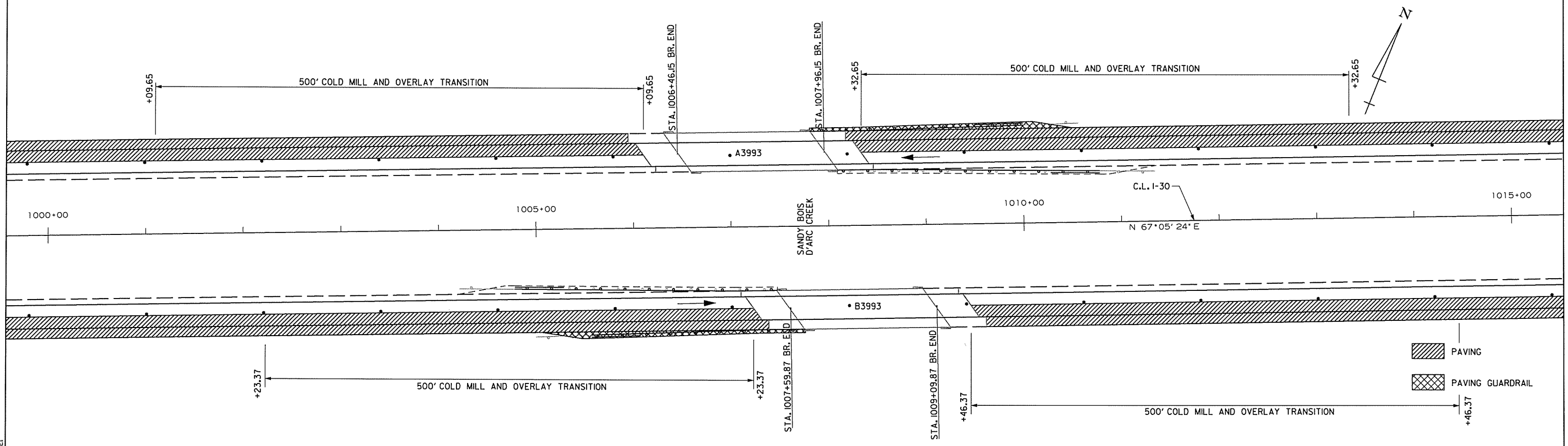
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				6	ARK.			
				JOB NO.	BB0306	59	148	

② MAINTENANCE OF TRAFFIC



**CONSTRUCTION PAVEMENT MARKINGS - LEFT MAIN LANES**  
 STA. 985+00.00 - STA. 1006+09.65 4" WHITE EDGE LINE = 2110 LIN. FT.  
 STA. 985+00.00 - STA. 1006+09.65 4" YELLOW EDGE LINE = 2110 LIN. FT.  
 STA. 1008+32.65 - STA. 1015+00.00 4" WHITE EDGE LINE = 667 LIN. FT.  
 STA. 1008+32.65 - STA. 1015+00.00 4" YELLOW EDGE LINE = 667 LIN. FT.

**CONSTRUCTION PAVEMENT MARKINGS - RIGHT MAIN LANES**  
 STA. 985+00.00 - STA. 1007+23.37 4" WHITE EDGE LINE = 2223 LIN. FT.  
 STA. 985+00.00 - STA. 1007+23.37 4" YELLOW EDGE LINE = 2223 LIN. FT.  
 STA. 1009+46.37 - STA. 1015+00.00 4" WHITE EDGE LINE = 554 LIN. FT.  
 STA. 1009+46.37 - STA. 1015+00.00 4" YELLOW EDGE LINE = 554 LIN. FT.



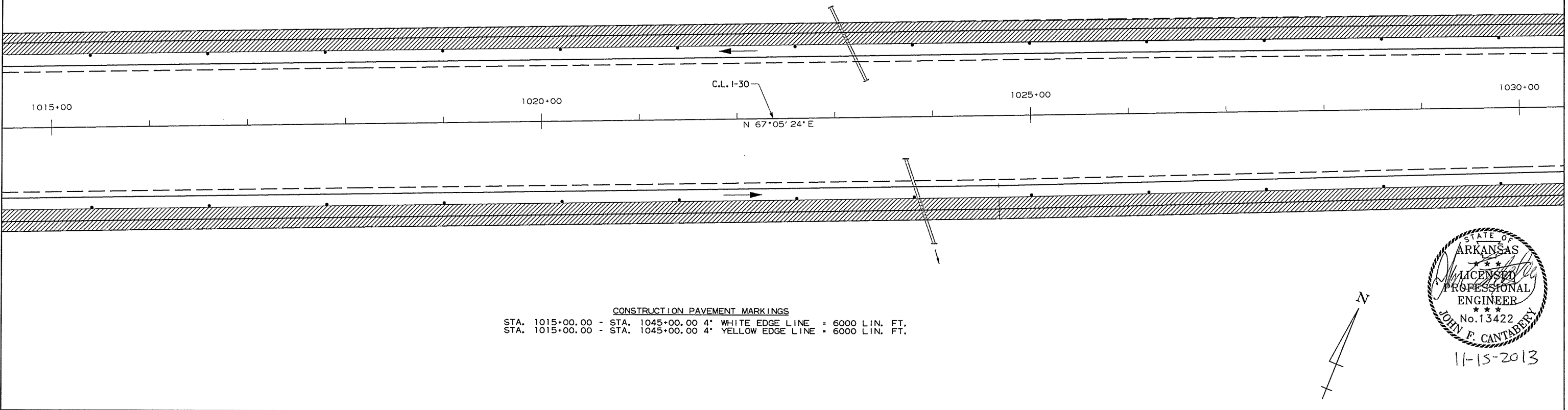
PAVING  
 PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

sadonaldson 11/14/2013 2:26:18 PM  
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 REVISED DATE

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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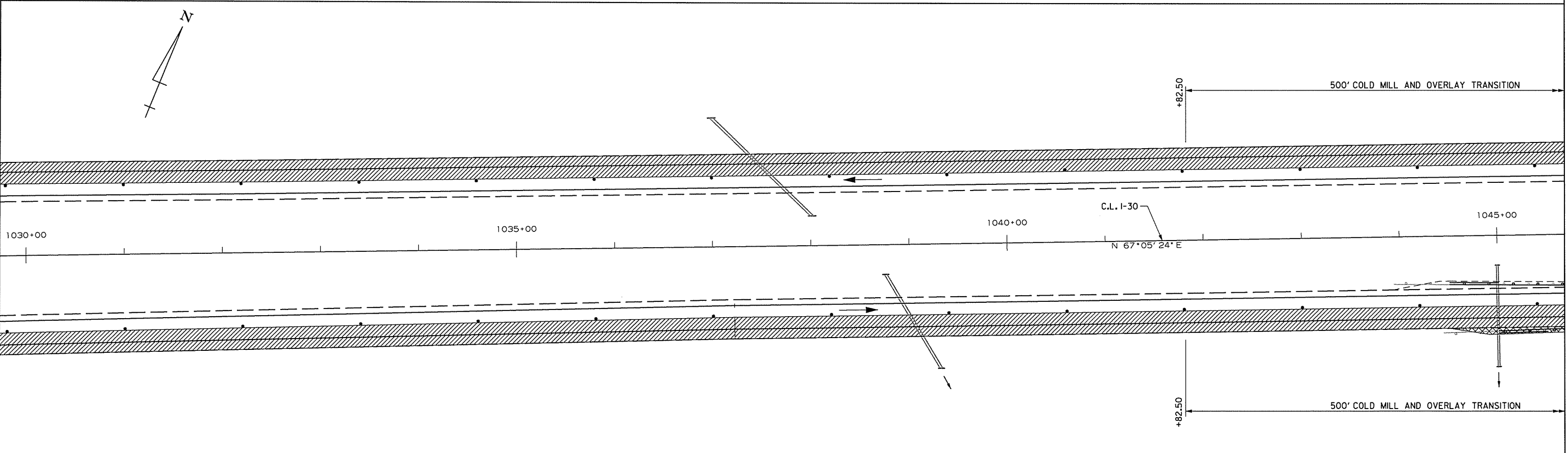
② MAINTENANCE OF TRAFFIC



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1015+00.00 - STA. 1045+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1015+00.00 - STA. 1045+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



11-15-2013

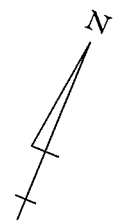


- PAVING
- PAVING GUARDRAIL

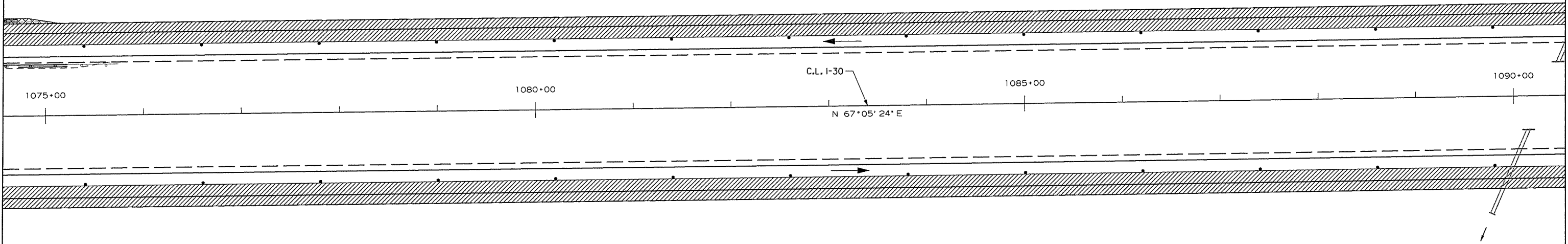
MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

sedonoldson 11/14/2013 2:26:18 PM  
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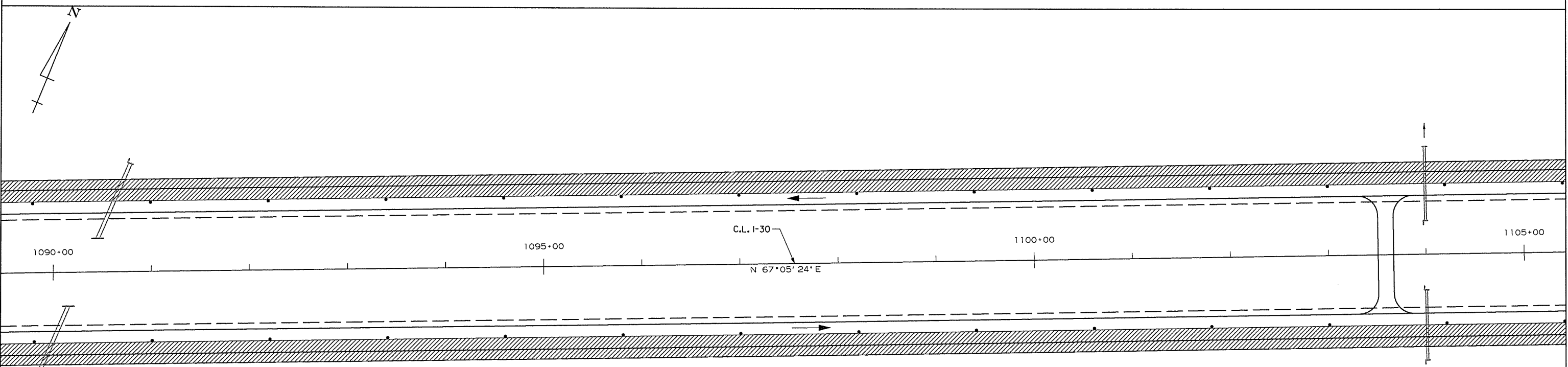




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				6	ARK.		62	148
				JOB NO.		BB0306		
				② MAINTENANCE OF TRAFFIC				



**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 1075+00.00 - STA. 1105+00.00 4' WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1075+00.00 - STA. 1105+00.00 4' YELLOW EDGE LINE = 6000 LIN. FT.

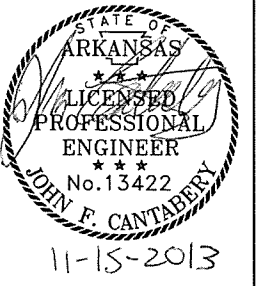
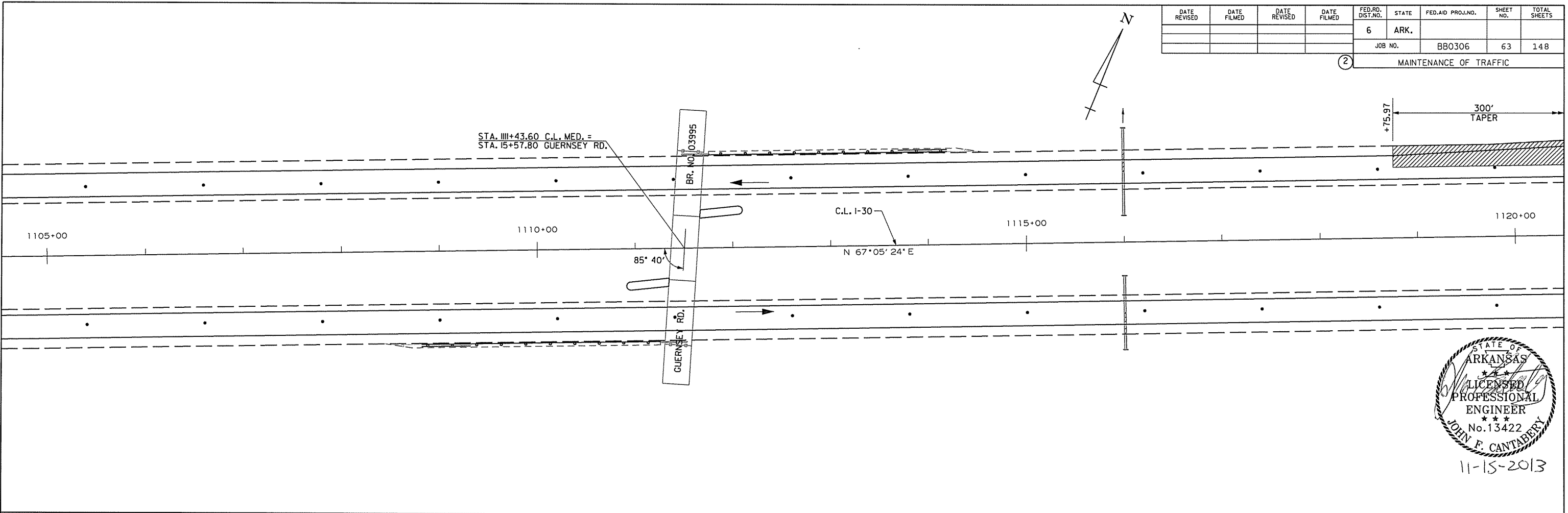


- PAVING
- PAVING GUARDRAIL

**MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)**

sadenelison 11/14/2013 2:26:48 PM  
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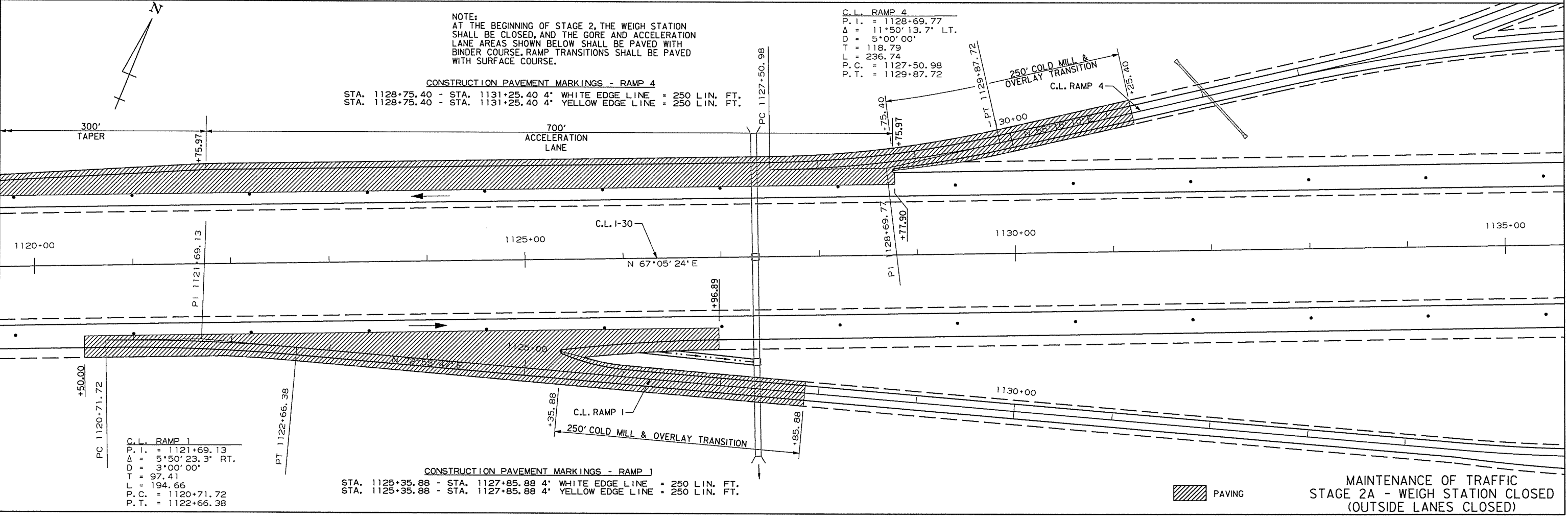
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				6	ARK.			
				JOB NO.	BBO306		63	148
② MAINTENANCE OF TRAFFIC								



NOTE:  
 AT THE BEGINNING OF STAGE 2, THE WEIGH STATION SHALL BE CLOSED, AND THE GORE AND ACCELERATION LANE AREAS SHOWN BELOW SHALL BE PAVED WITH BINDER COURSE. RAMP TRANSITIONS SHALL BE PAVED WITH SURFACE COURSE.

CONSTRUCTION PAVEMENT MARKINGS - RAMP 4  
 STA. 1128+75.40 - STA. 1131+25.40 4" WHITE EDGE LINE = 250 LIN. FT.  
 STA. 1128+75.40 - STA. 1131+25.40 4" YELLOW EDGE LINE = 250 LIN. FT.

C.L. RAMP 4  
 P. I. = 1128+69.77  
 Δ = 11°50'13.7" LT.  
 D = 5°00'00"  
 T = 118.79  
 L = 236.74  
 P. C. = 1127+50.98  
 P. T. = 1129+87.72



CONSTRUCTION PAVEMENT MARKINGS - RAMP 1  
 STA. 1125+35.88 - STA. 1127+85.88 4" WHITE EDGE LINE = 250 LIN. FT.  
 STA. 1125+35.88 - STA. 1127+85.88 4" YELLOW EDGE LINE = 250 LIN. FT.

C.L. RAMP 1  
 P. I. = 1121+69.13  
 Δ = 5°50'23.3" RT.  
 D = 3°00'00"  
 T = 97.41  
 L = 194.66  
 P. C. = 1120+71.72  
 P. T. = 1122+66.38

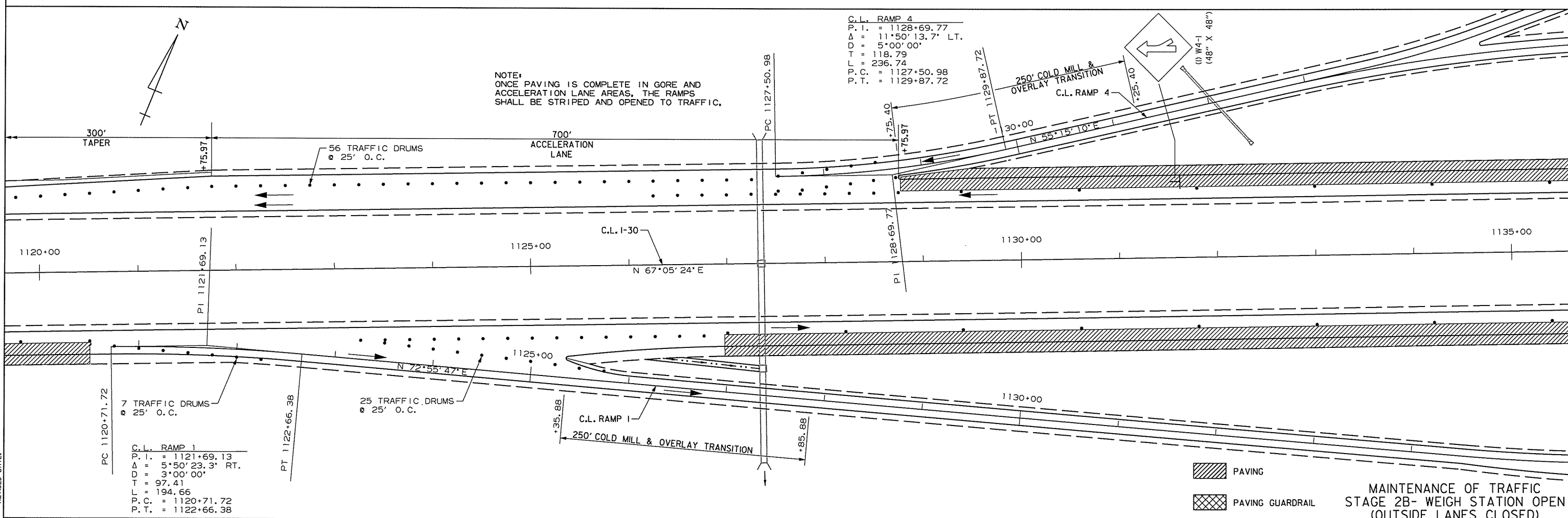
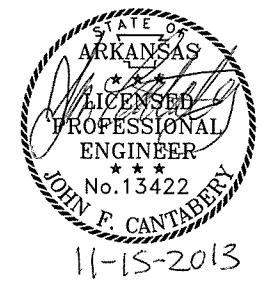
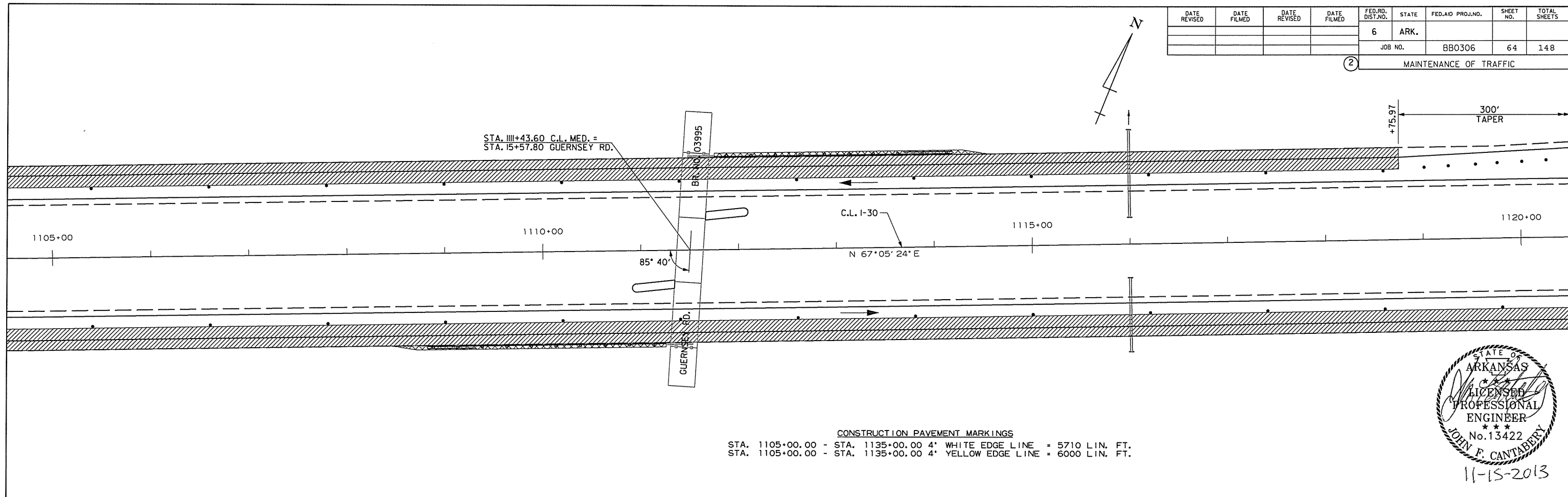


MAINTENANCE OF TRAFFIC  
 STAGE 2A - WEIGH STATION CLOSED  
 (OUTSIDE LANES CLOSED)

sadonaldson 11/14/2013 2:26:19 PM  
 WORKSPACE: AHTD  
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				6	ARK.			
							JOB NO.	BBO306
								64
								148

② MAINTENANCE OF TRAFFIC



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PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE 2B- WEIGH STATION OPEN  
 (OUTSIDE LANES CLOSED)

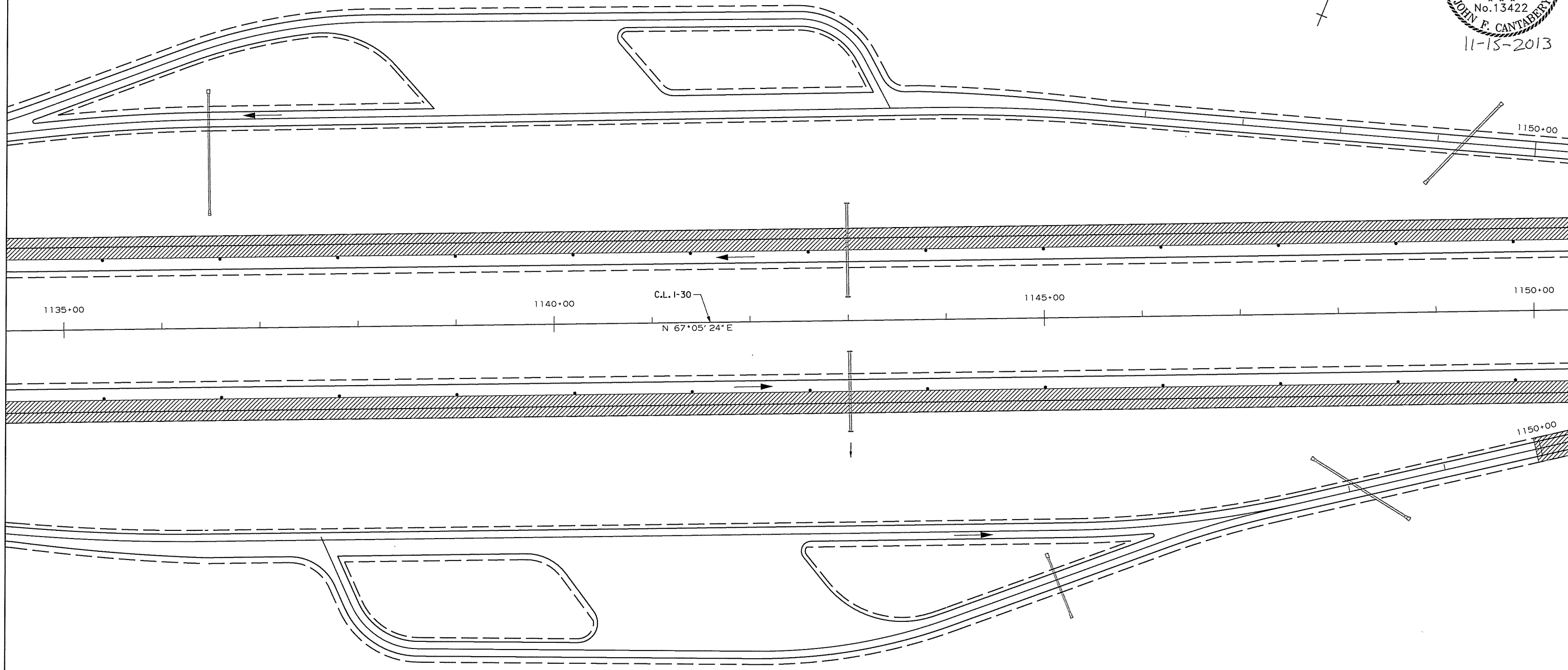
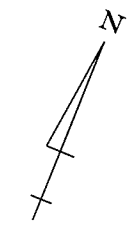
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				6	ARK.			
				JOB NO.		BB0306	65	148

② MAINTENANCE OF TRAFFIC

CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1135+00.00 - STA. 1150+00.00 4' WHITE EDGE LINE = 3000 LIN. FT.  
 STA. 1135+00.00 - STA. 1150+00.00 4' YELLOW EDGE LINE = 3000 LIN. FT.



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MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:19 PM  
 WORKSPACE: AHTD  
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 REVISED DATE:

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② MAINTENANCE OF TRAFFIC



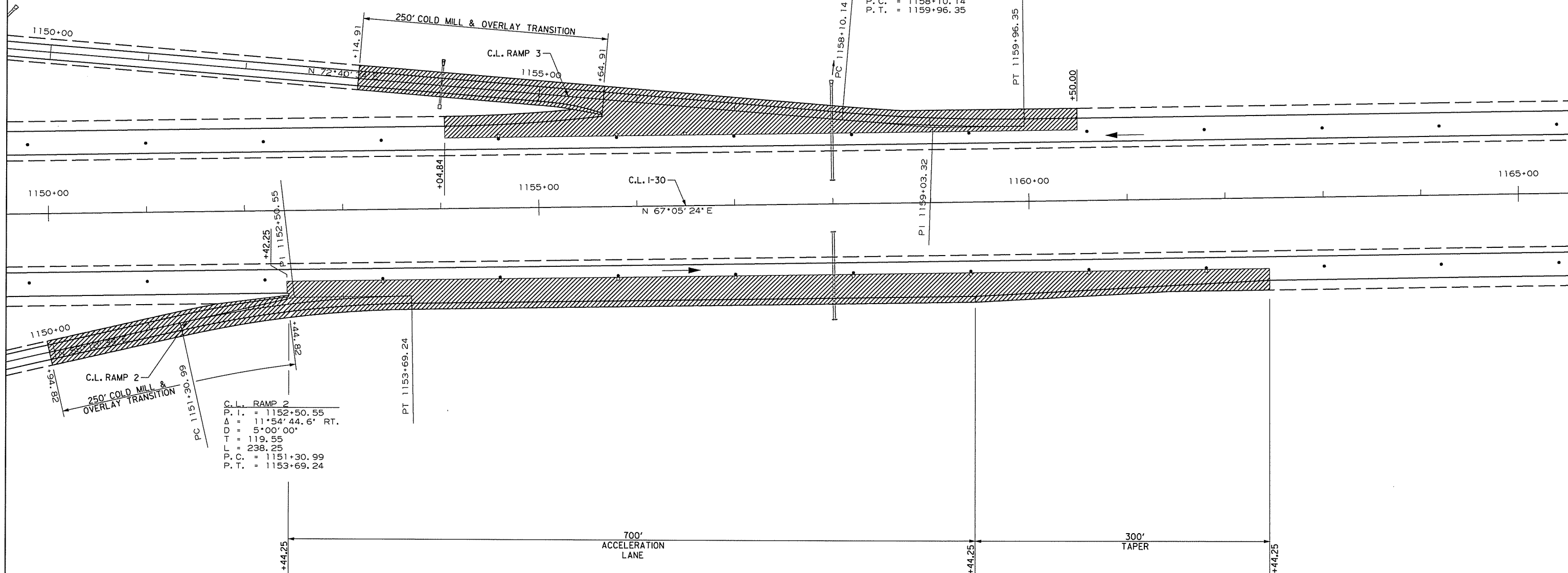
11-15-2013

NOTE:  
 AT THE BEGINNING OF STAGE 2, THE WEIGH STATION SHALL BE CLOSED, AND THE GORE AND ACCELERATION LANE AREAS SHOWN BELOW SHALL BE PAVED WITH BINDER COURSE. RAMP TRANSITIONS SHALL BE PAVED WITH SURFACE COURSE.



CONSTRUCTION PAVEMENT MARKINGS - RAMP 3  
 STA. 1153+14.91 - STA. 1155+64.91 4' WHITE EDGE LINE = 250 LIN. FT.  
 STA. 1153+14.91 - STA. 1155+64.91 4' YELLOW EDGE LINE = 250 LIN. FT.

C.L. RAMP 3  
 P.I. = 1159+03.32  
 $\Delta$  = 5°35'10.8" LT.  
 D = 3°00'00"  
 T = 93.18  
 L = 186.21  
 P.C. = 1158+10.14  
 P.T. = 1159+96.35



C.L. RAMP 2  
 P.I. = 1152+50.55  
 $\Delta$  = 11°54'44.6" RT.  
 D = 5°00'00"  
 T = 119.55  
 L = 238.25  
 P.C. = 1151+30.99  
 P.T. = 1153+69.24

CONSTRUCTION PAVEMENT MARKINGS - RAMP 2  
 STA. 1149+94.82 - STA. 1152+44.82 4' WHITE EDGE LINE = 250 LIN. FT.  
 STA. 1149+94.82 - STA. 1152+44.82 4' YELLOW EDGE LINE = 250 LIN. FT.

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MAINTENANCE OF TRAFFIC  
 STAGE 2A- WEIGH STATION CLOSED  
 (OUTSIDE LANES CLOSED)

11/14/2013 2:26:49 PM  
 WORKSPACE: AHTD  
 L:\2010\107701 - I-30 Rehabilitation Projects\Drawings\130\_MOT\_ST2\_08.dgn  
 REVISION DATE:

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.	BB0306		67	148

② MAINTENANCE OF TRAFFIC



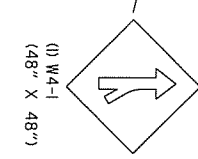
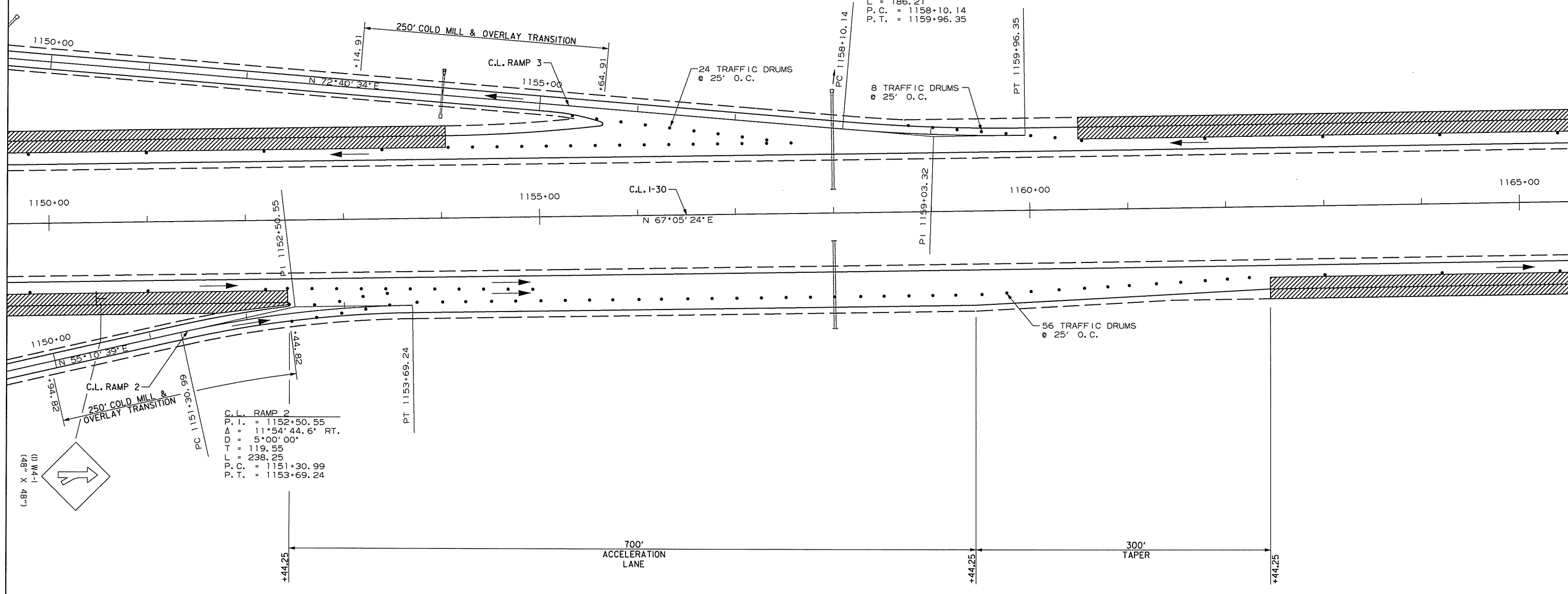
11-15-2013

**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 1150+00.00 - STA. 1165+00.00 4' WHITE EDGE LINE = 2710 LIN. FT.  
 STA. 1150+00.00 - STA. 1165+00.00 4' YELLOW EDGE LINE = 3000 LIN. FT.

NOTE:  
 ONCE PAVING IS COMPLETE IN GORE AND ACCELERATION LANE AREAS, THE RAMPS SHALL BE STRIPED AND OPENED TO TRAFFIC.

**C.L. RAMP 3**  
 P. I. = 1159+03.32  
 $\Delta$  = 5°35'10.8" LT.  
 D = 3°00'00"  
 T = 93.18  
 L = 186.21  
 P. C. = 1158+10.14  
 P. T. = 1159+96.35

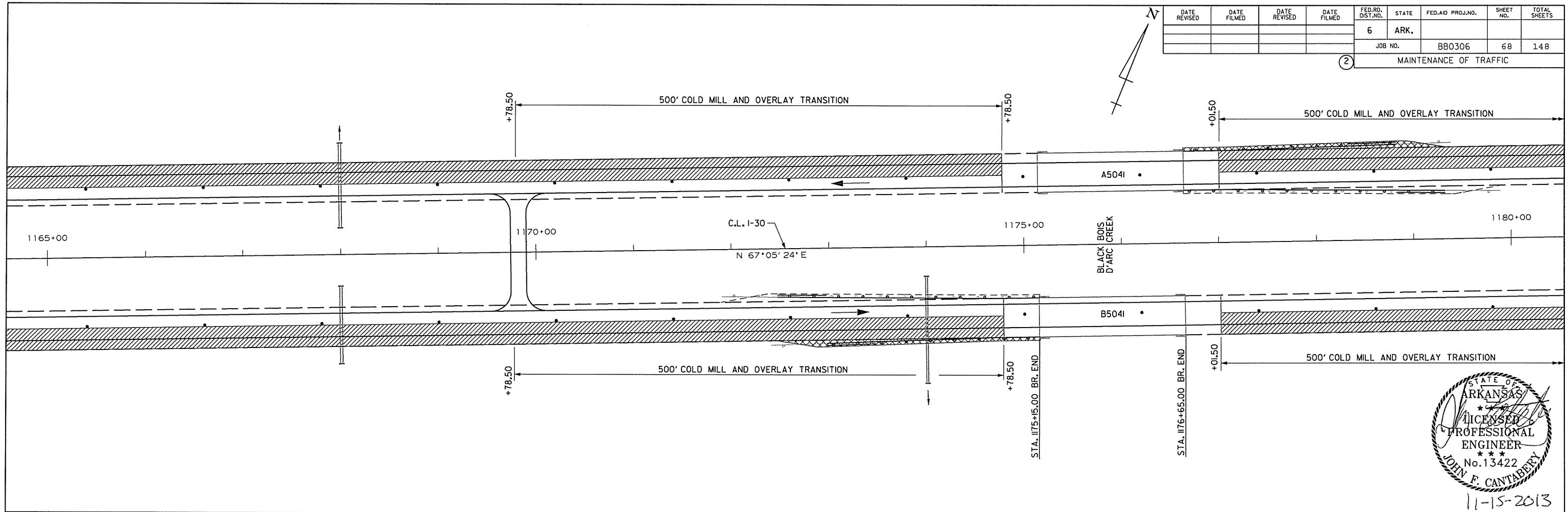
**C.L. RAMP 2**  
 P. I. = 1152+50.55  
 $\Delta$  = 11°54'44.6" RT.  
 D = 5°00'00"  
 T = 119.55  
 L = 238.25  
 P. C. = 1151+30.99  
 P. T. = 1153+69.24



MAINTENANCE OF TRAFFIC  
 STAGE 2B - WEIGH STATION OPEN  
 (OUTSIDE LANES CLOSED)

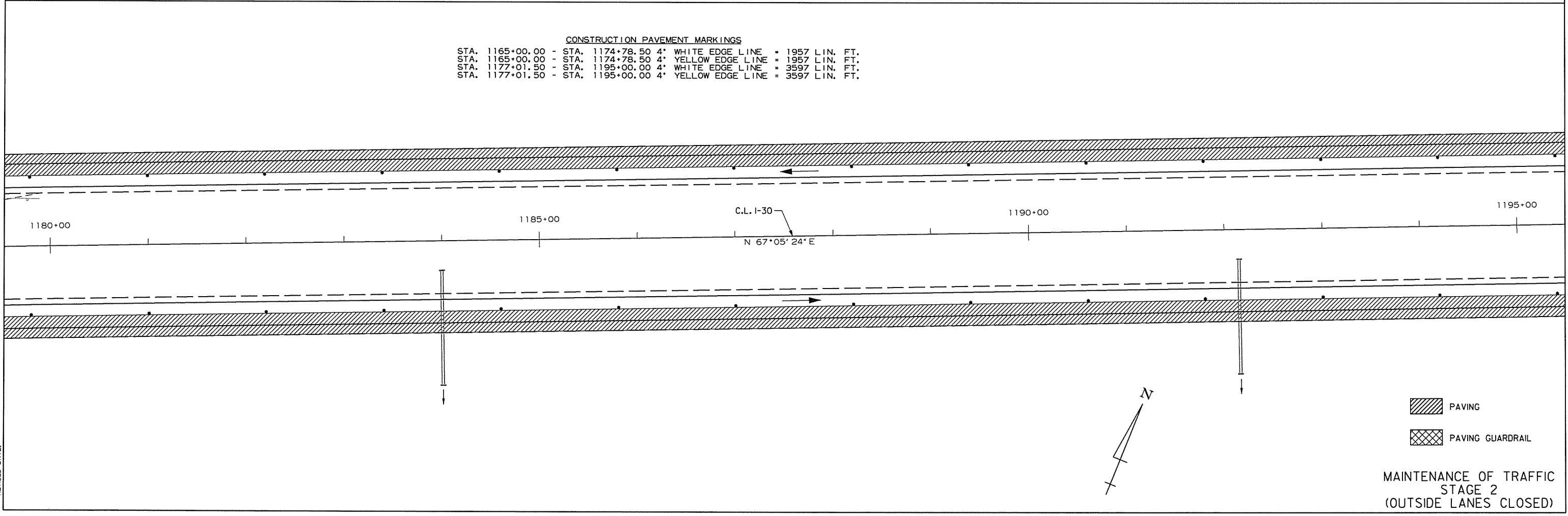
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 REVISION DATE:

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.	BBO306		68	148
② MAINTENANCE OF TRAFFIC								



**CONSTRUCTION PAVEMENT MARKINGS**

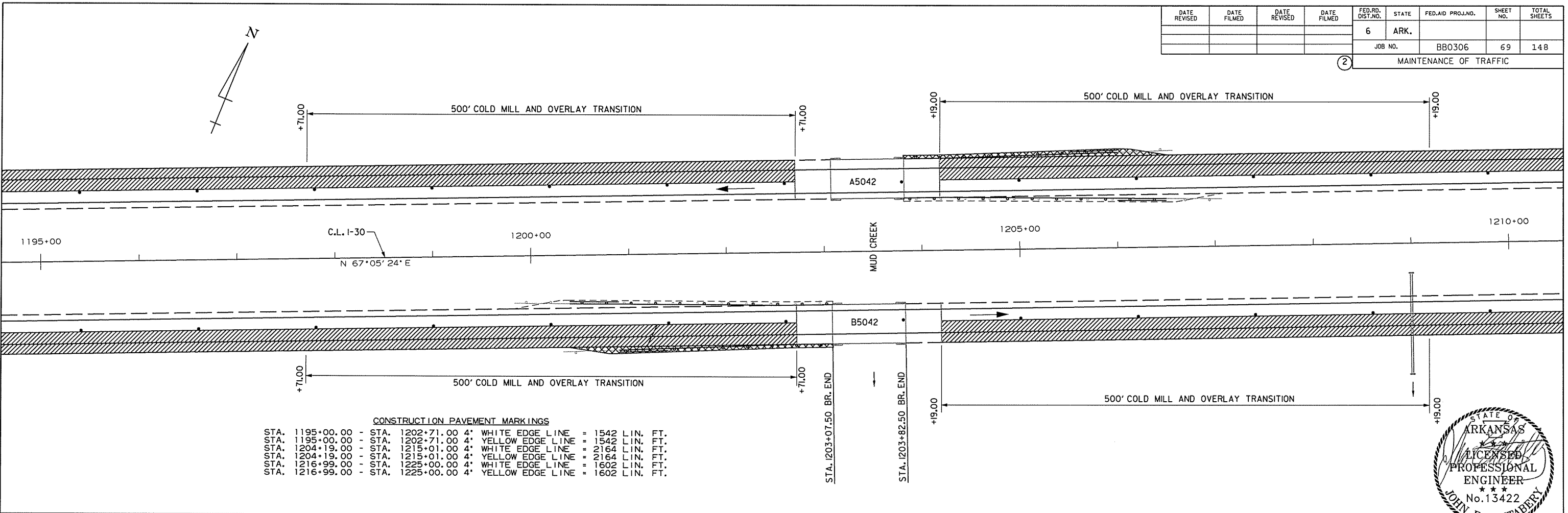
STA. 1165+00.00 - STA. 1174+78.50 4" WHITE EDGE LINE = 1957 LIN. FT.  
 STA. 1165+00.00 - STA. 1174+78.50 4" YELLOW EDGE LINE = 1957 LIN. FT.  
 STA. 1177+01.50 - STA. 1195+00.00 4" WHITE EDGE LINE = 3597 LIN. FT.  
 STA. 1177+01.50 - STA. 1195+00.00 4" YELLOW EDGE LINE = 3597 LIN. FT.



sadonoldson 11/14/2013 2:26:20 PM  
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 REVISED DATE:

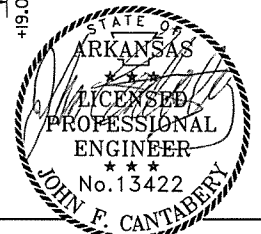
MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

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.	BB0306	69	148	
				② MAINTENANCE OF TRAFFIC				

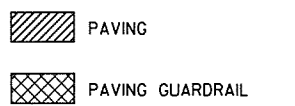
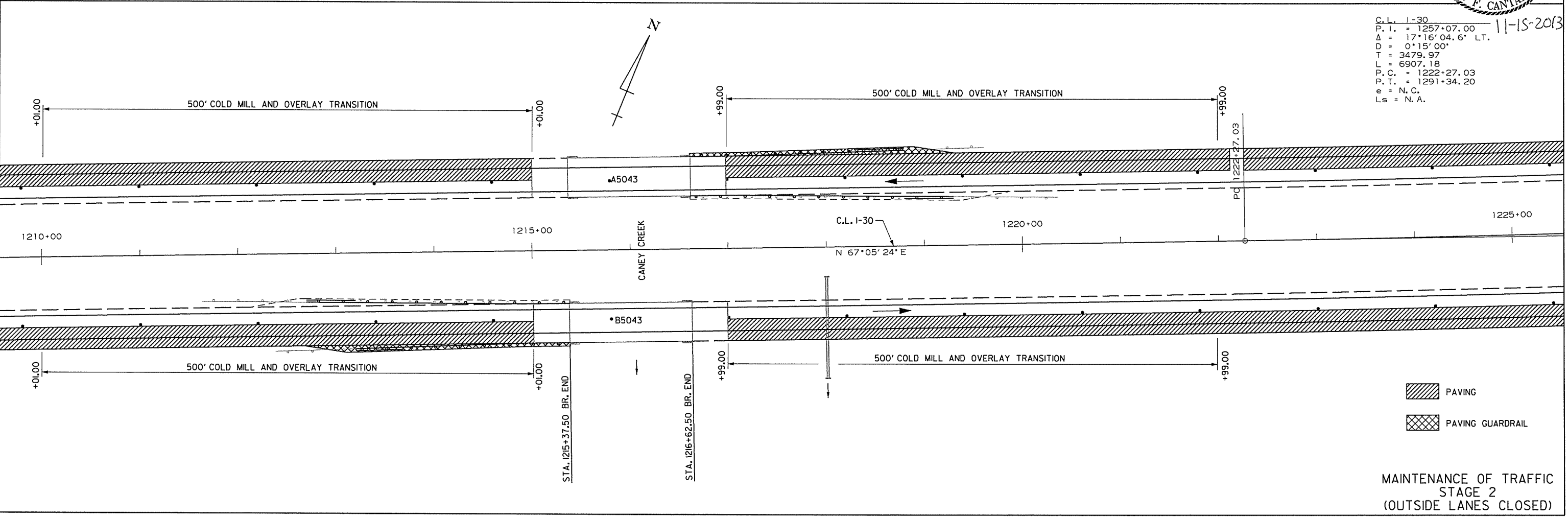


**CONSTRUCTION PAVEMENT MARKINGS**

STA. 1195+00.00 -	STA. 1202+71.00	4" WHITE EDGE LINE =	1542 LIN. FT.
STA. 1195+00.00 -	STA. 1202+71.00	4" YELLOW EDGE LINE =	1542 LIN. FT.
STA. 1204+19.00 -	STA. 1215+01.00	4" WHITE EDGE LINE =	2164 LIN. FT.
STA. 1204+19.00 -	STA. 1215+01.00	4" YELLOW EDGE LINE =	2164 LIN. FT.
STA. 1216+99.00 -	STA. 1225+00.00	4" WHITE EDGE LINE =	1602 LIN. FT.
STA. 1216+99.00 -	STA. 1225+00.00	4" YELLOW EDGE LINE =	1602 LIN. FT.



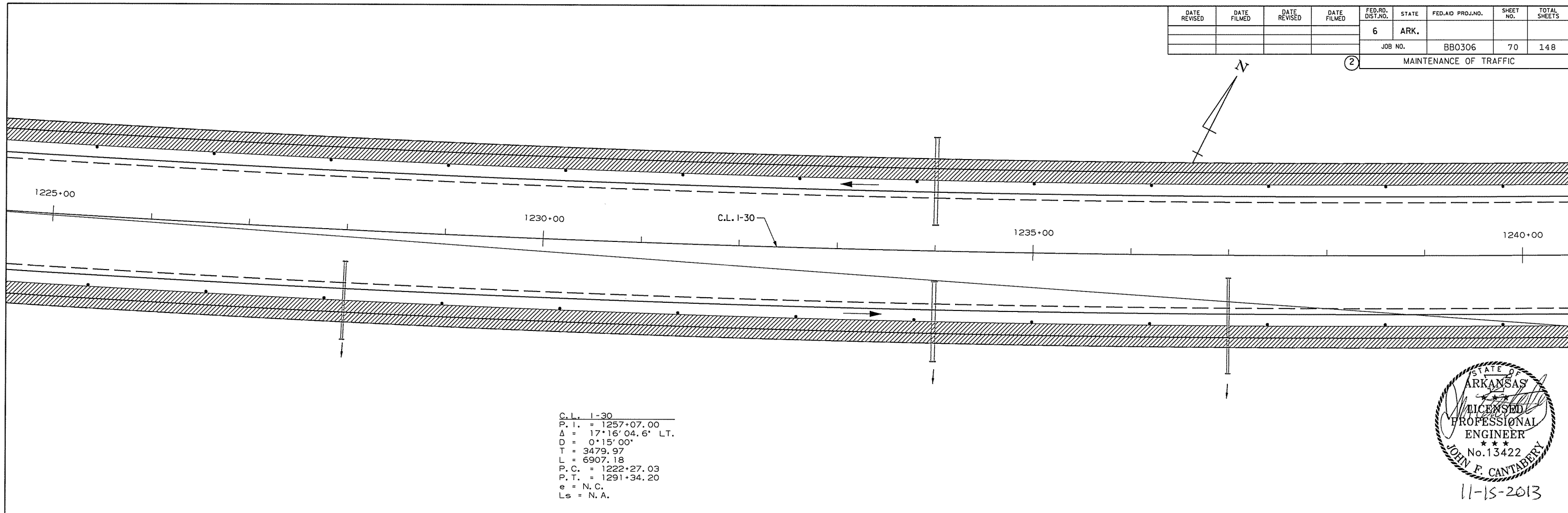
C.L. I-30  
 P.I. = 1257+07.00  
 Δ = 17°16'04.6" LT.  
 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.



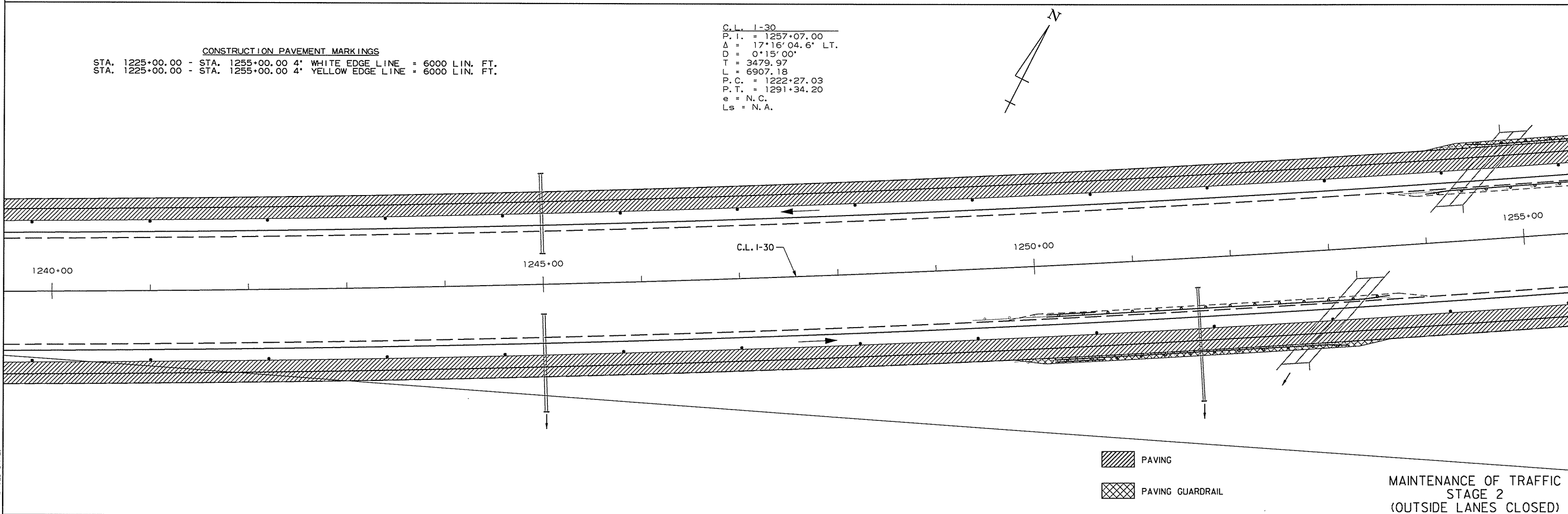
MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

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 REVISED DATE:

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				6	ARK.			
				JOB NO.	BBO306		70	148
				② MAINTENANCE OF TRAFFIC				



C.L. I-30  
P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.



**CONSTRUCTION PAVEMENT MARKINGS**  
STA. 1225+00.00 - STA. 1255+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
STA. 1225+00.00 - STA. 1255+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.

C.L. I-30  
P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.

PAVING  
 PAVING GUARDRAIL

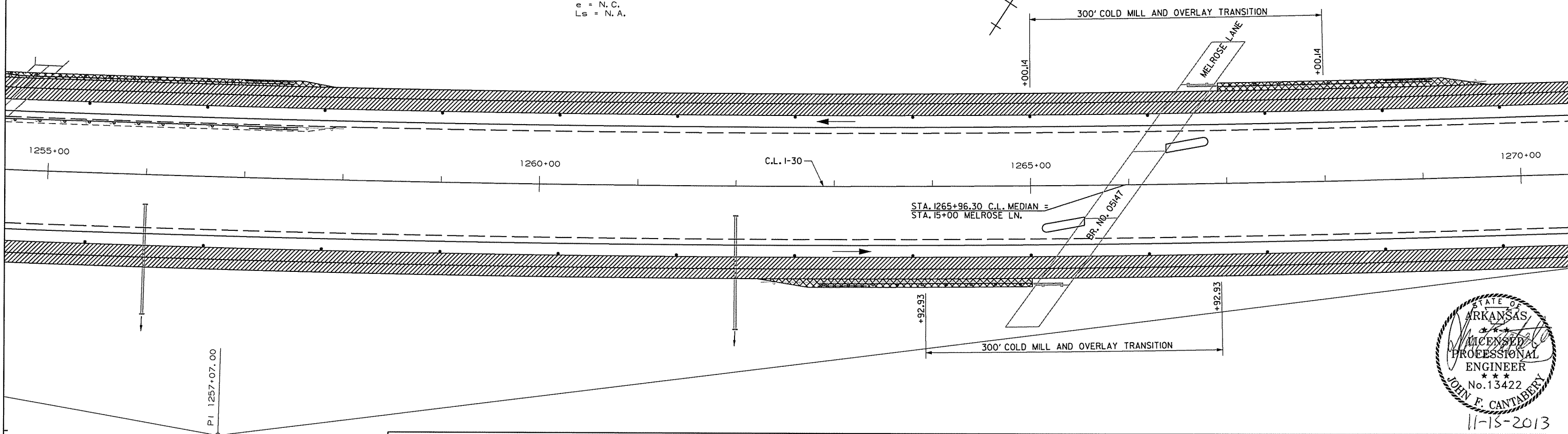
MAINTENANCE OF TRAFFIC  
STAGE 2  
(OUTSIDE LANES CLOSED)

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REVISED DATES:

C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $L_s = N.A.$

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.	BBO306		71	148

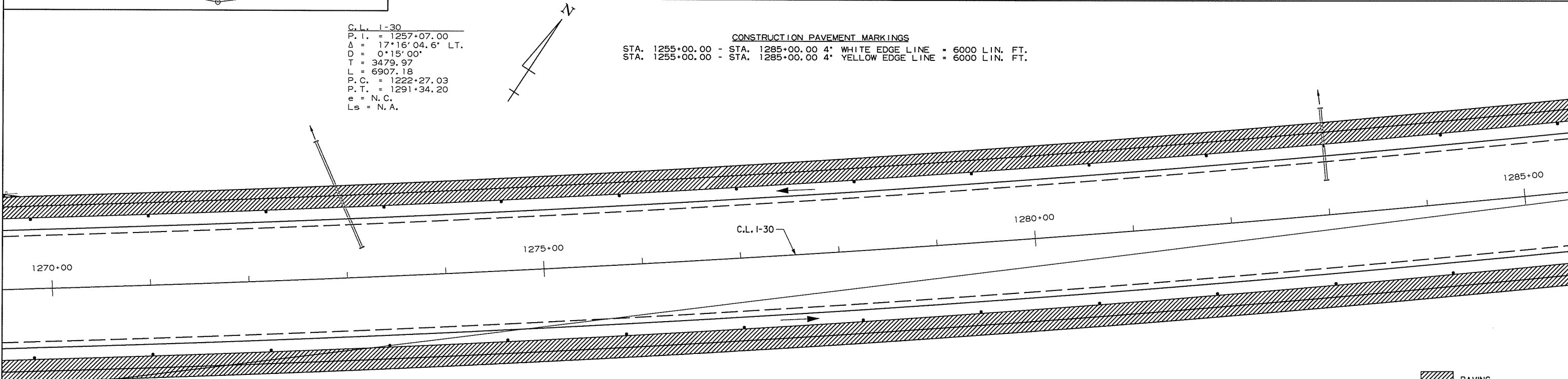
② MAINTENANCE OF TRAFFIC



11-15-2013

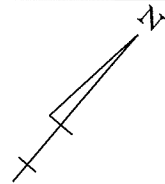
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 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $L_s = N.A.$

CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1255+00.00 - STA. 1285+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1255+00.00 - STA. 1285+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



PAVING  
 PAVING GUARDRAIL

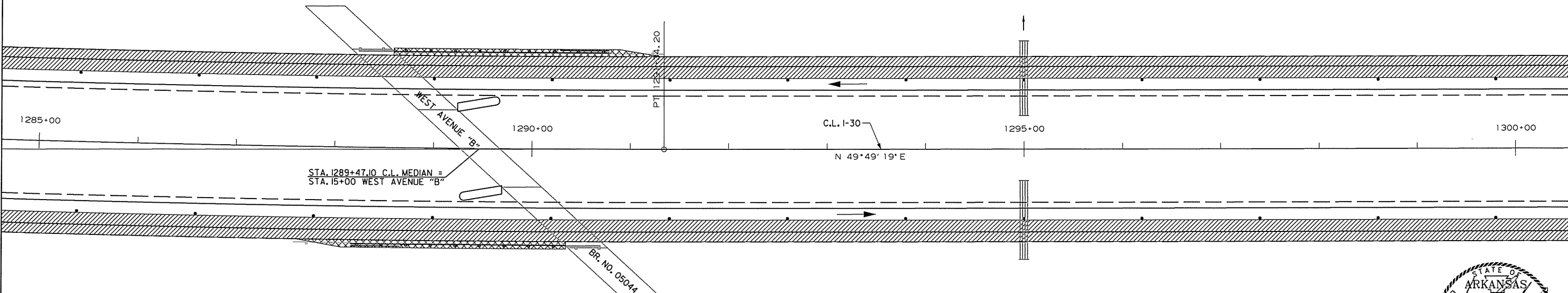
MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)



C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 D = 0'15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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							72	148

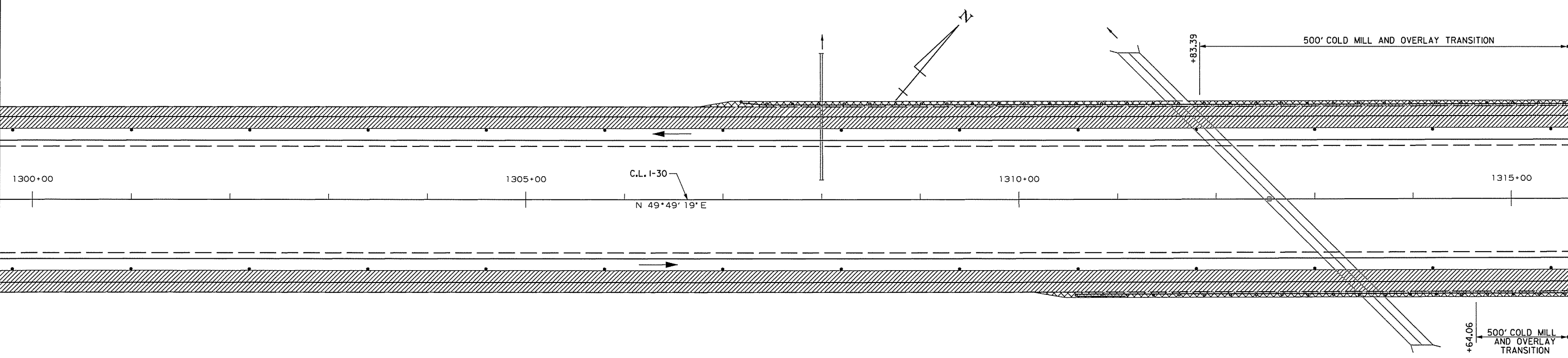
② MAINTENANCE OF TRAFFIC



CONSTRUCTION PAVEMENT MARKINGS  
 STA. 1285+01.50 - STA. 1315+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1285+01.50 - STA. 1315+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



11-15-2013



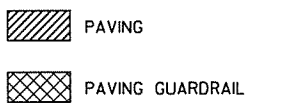
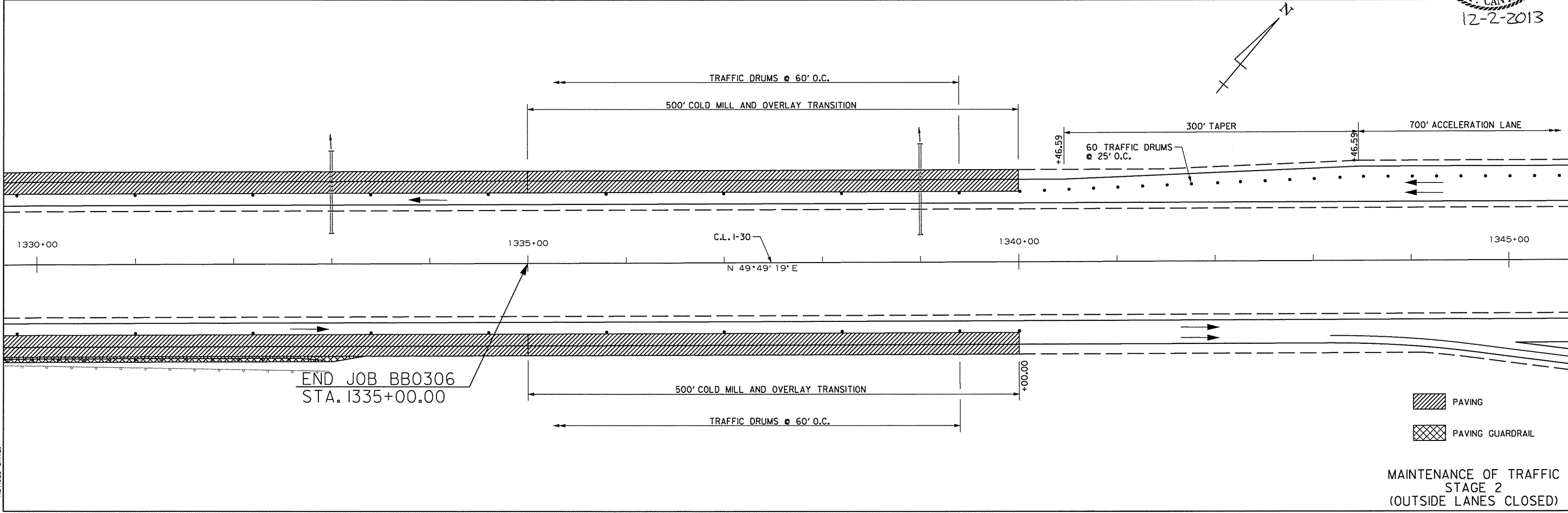
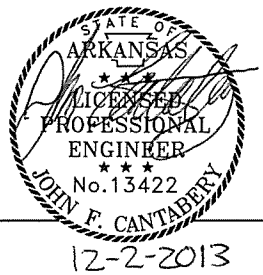
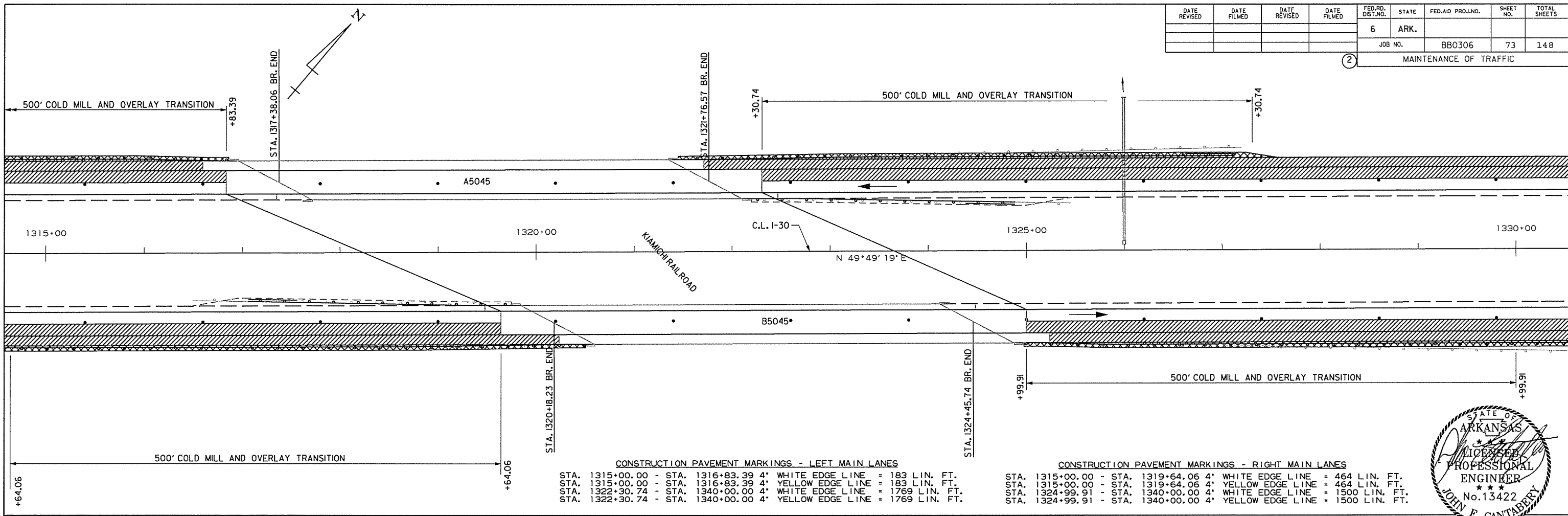
- PAVING
- PAVING GUARDRAIL

MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
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 REVISED DATE:



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.	BB0306
								73
								148
② MAINTENANCE OF TRAFFIC								



MAINTENANCE OF TRAFFIC  
 STAGE 2  
 (OUTSIDE LANES CLOSED)

sadonoldson 12/2/2013 12:25:41PM  
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 REVISED DATE:

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.		BBO306	74	148

NOTE: SEE MAINTENANCE OF TRAFFIC CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES, WITH MODIFICATIONS AS SHOWN FOR ENTRANCE RAMP.



(2) W20-1  
(48" X 48")

② MAINTENANCE OF TRAFFIC

700' ACCELERATION LANE

MATCH LINE A

60 TRAFFIC DRUMS @ 25' O.C.

500' BUFFER TRAFFIC DRUMS @ 100' O.C.

1345+00

1350+00

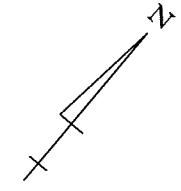
C.L. 1-30

1355+00

1360+00



12-2-2013



1360+00

1365+00

1370+00

sdc@ardison.com 12/2/2013 12:29:42 PM  
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 REVISED DATE:

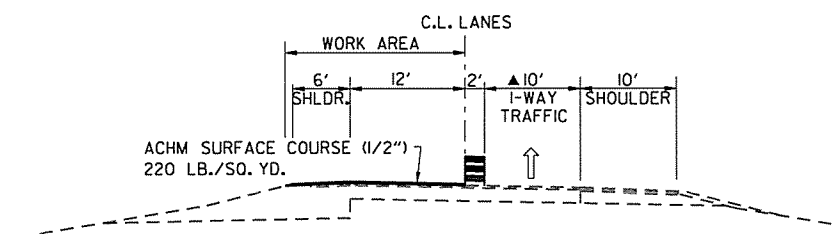
MAINTENANCE OF TRAFFIC  
STAGE 2  
(OUTSIDE LANES CLOSED)

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1-2-14				6	ARK.			
						JOB NO. BB0306	75	148

② MAINTENANCE OF TRAFFIC



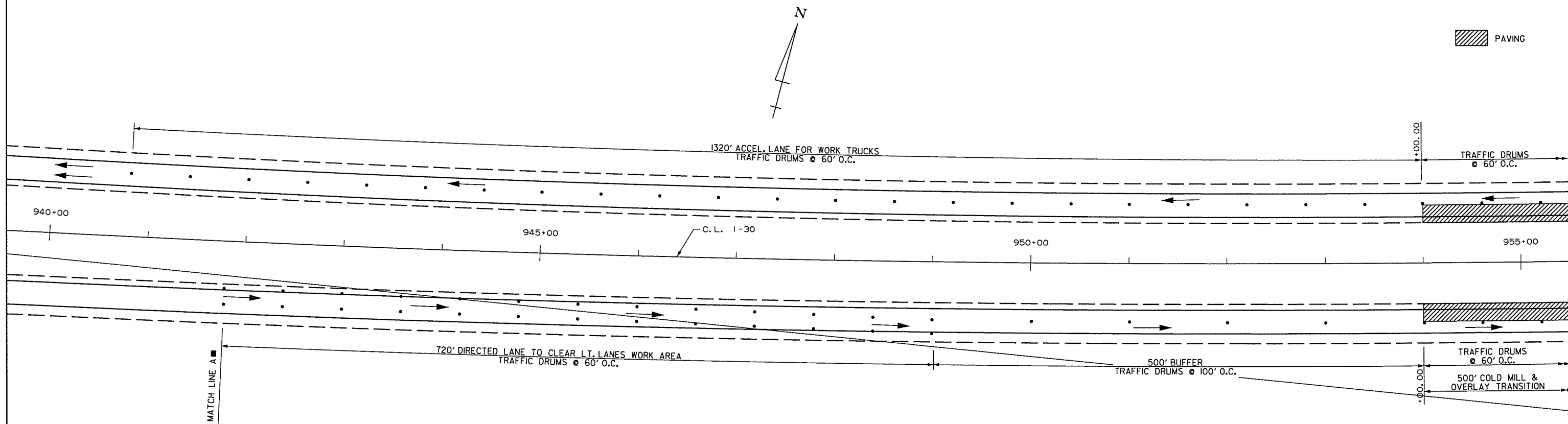
1-2-2014



STAGE 3 MAINTENANCE OF TRAFFIC TYPICAL SECTION  
RIGHT LANE SHOWN

STAGE 3 CONSTRUCTION SEQUENCE NOTES

1. MOVE TRAFFIC TO OUTSIDE LANES AS SHOWN IN LANE CLOSURE SHEET.
2. CONTINUE BARRELS ALONG CENTERLINE OF LANES AT 60' INTERVAL FOR LENGTH OF JOB.
3. COLD MILL TRANSITION JOINTS IMMEDIATELY PRIOR TO PAVING.
4. PAVE INSIDE LANES AND SHOULDERS WITH SURFACE COURSE.
5. PLACE PERMANENT PAVEMENT MARKINGS ALONG EDGE LINE FOR INSIDE LANES PRIOR TO OPENING TO TRAFFIC.
- ▲ 6. A 10' LANE SHALL ONLY BE UTILIZED WHEN PAVING OPERATIONS ARE DIRECTLY ADJACENT TO TRAFFIC. A 12' LANE SHALL BE MAINTAINED WHEN POSSIBLE.

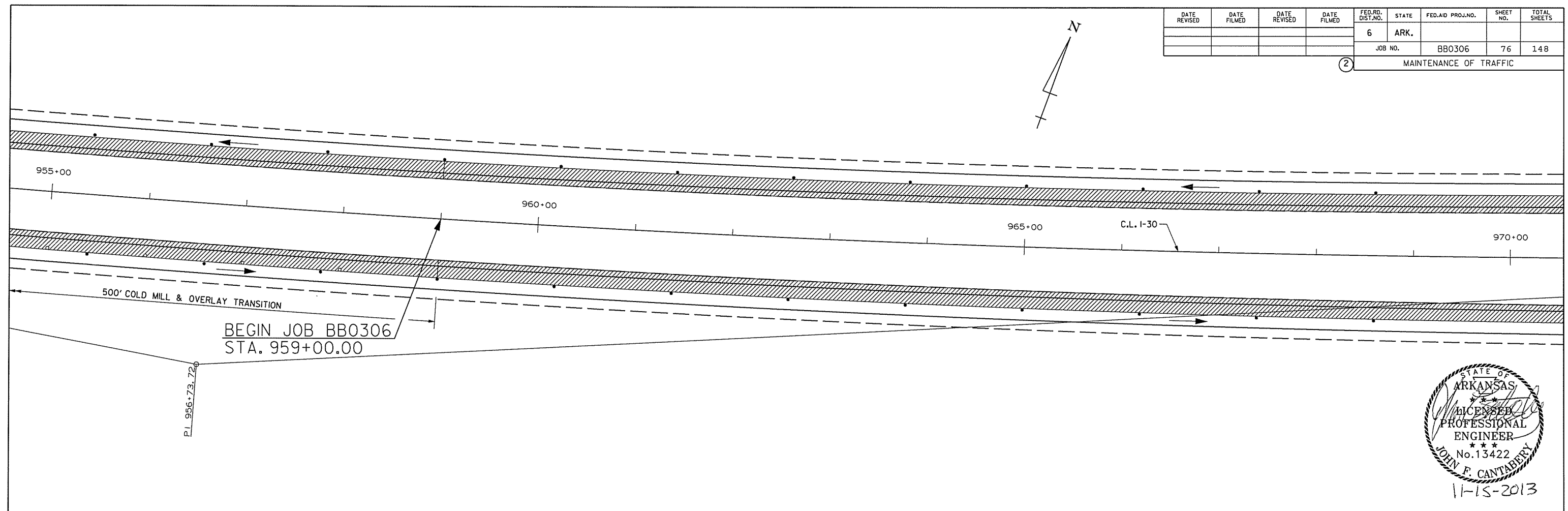


■ NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES.

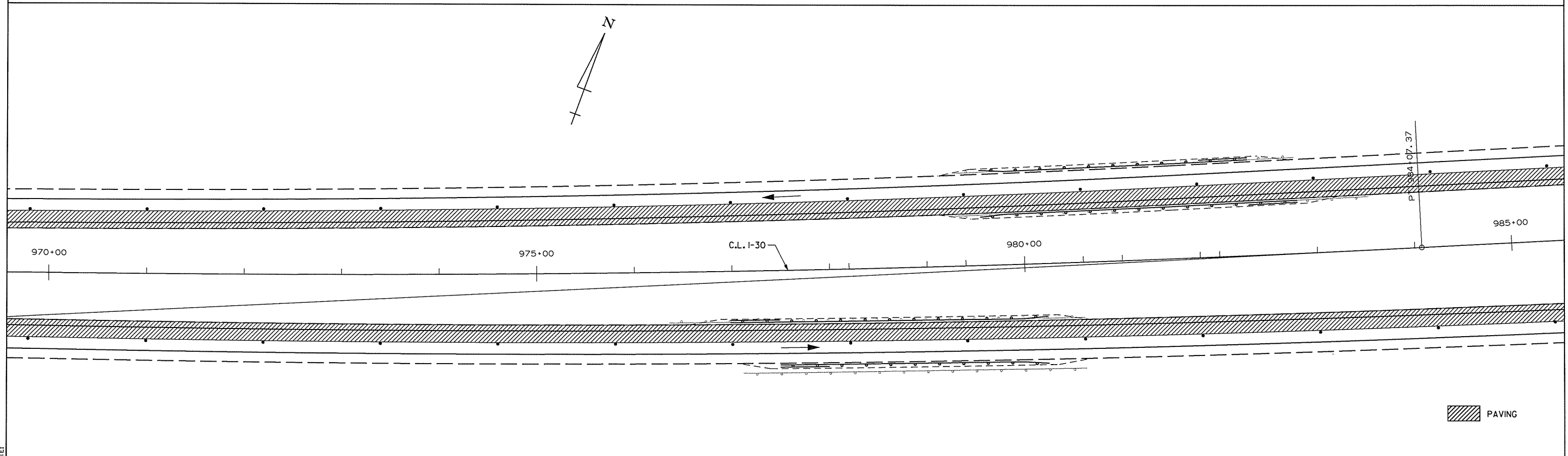
MAINTENANCE OF TRAFFIC  
STAGE 3  
(INSIDE LANES CLOSED)

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.	BB0306		76	148

② MAINTENANCE OF TRAFFIC



STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERY  
 11-15-2013



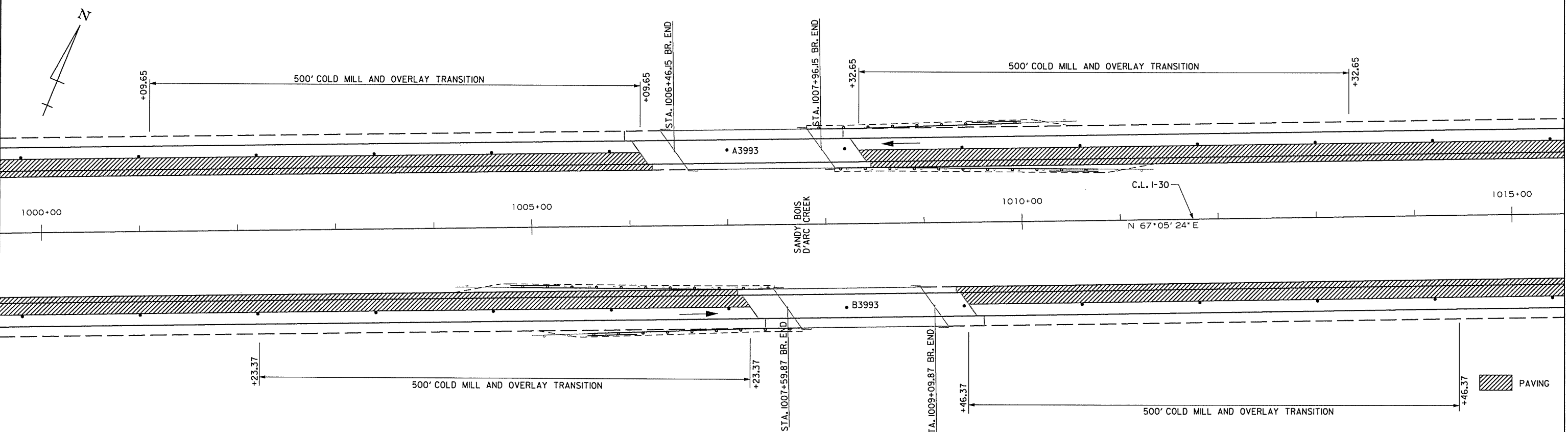
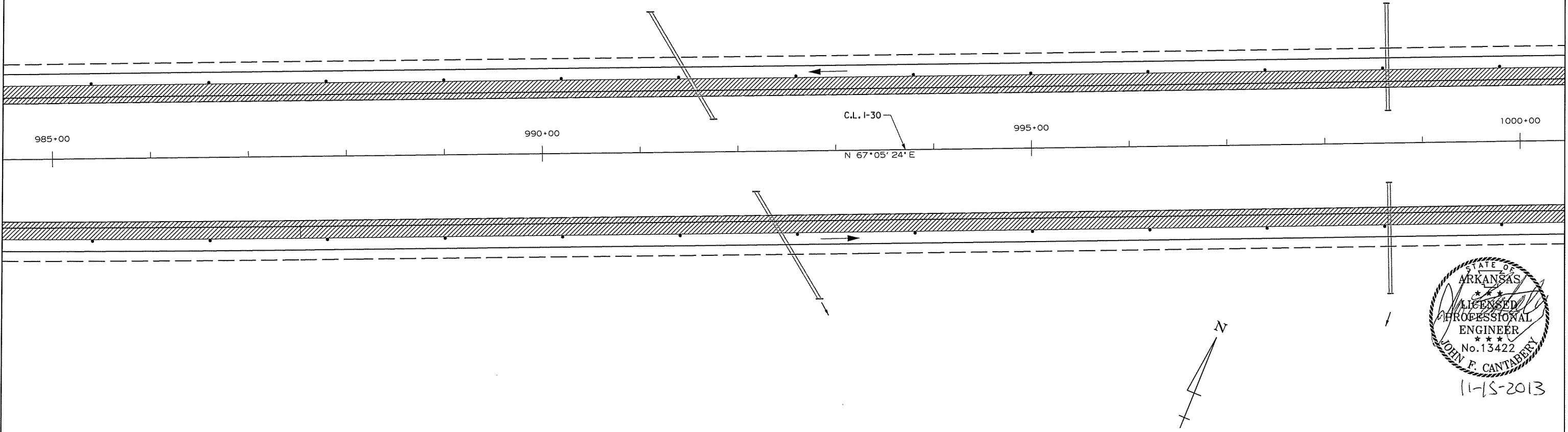
PAVING

MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

11/14/2013 2:26:22 PM  
 sdonaldson  
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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.	BB0306	77	148	

② MAINTENANCE OF TRAFFIC



**REMOVAL OF PERMANENT PAVEMENT MARKINGS**  
 EXISTING BRIDGE A3993 - RT. EDGE LINE & SKIP LINE = 279 LIN. FT.  
 EXISTING BRIDGE B3993 - LT. EDGE LINE & SKIP LINE = 279 LIN. FT.

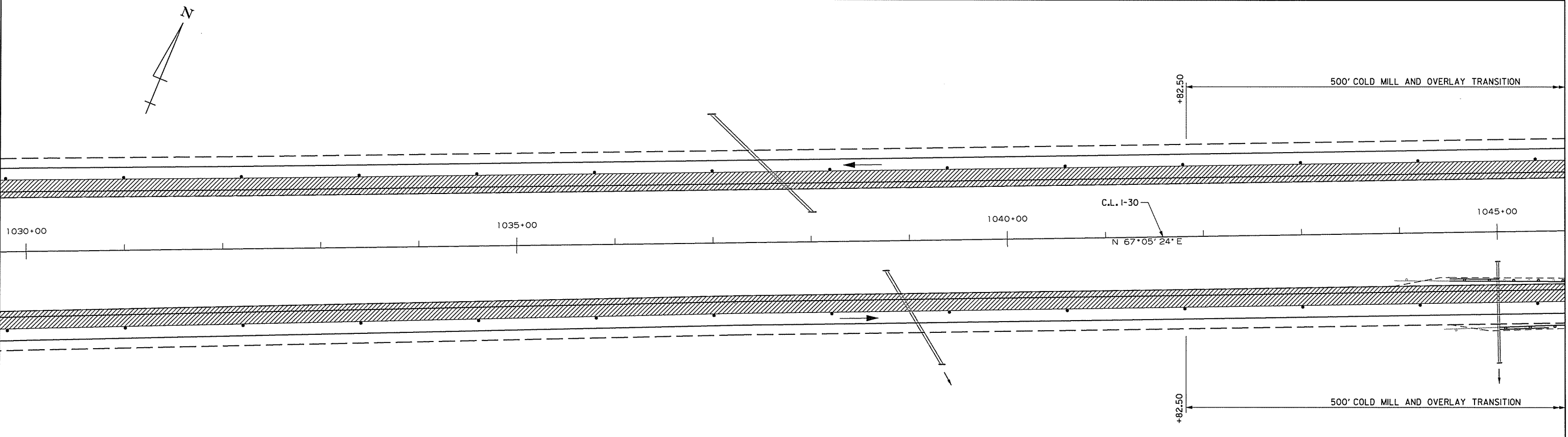
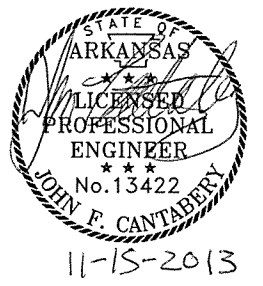
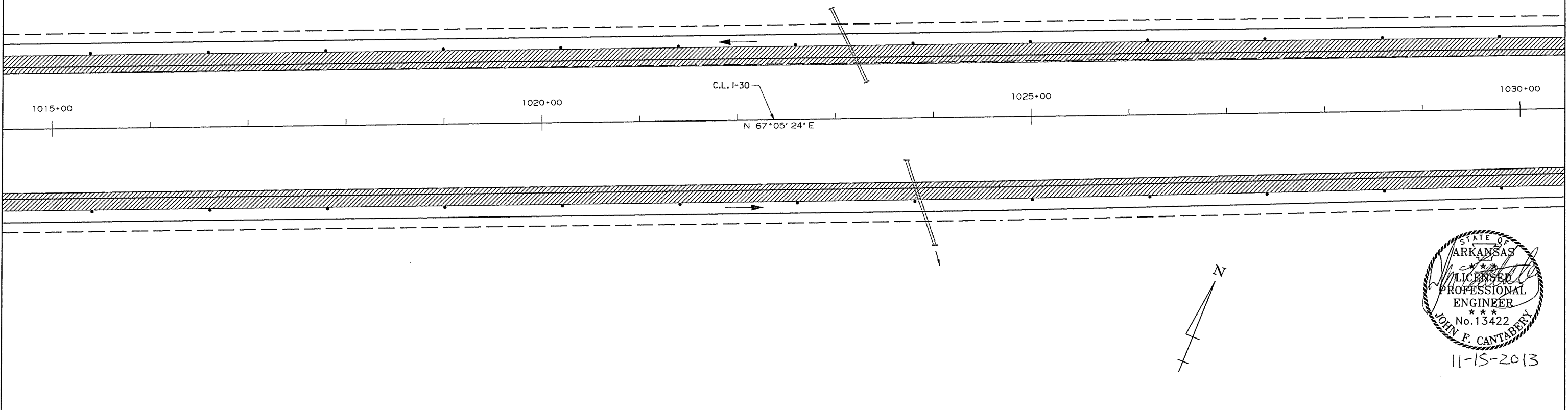


**MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)**

sedonaldson 11/14/2013 2:26:22 PM  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\130\_MOT\_ST3\_02.dgn  
 REVISED DATE:

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.	BB0306		78	148

② MAINTENANCE OF TRAFFIC

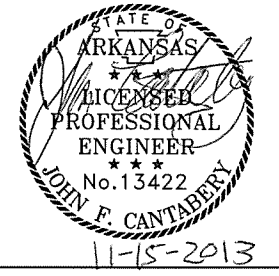
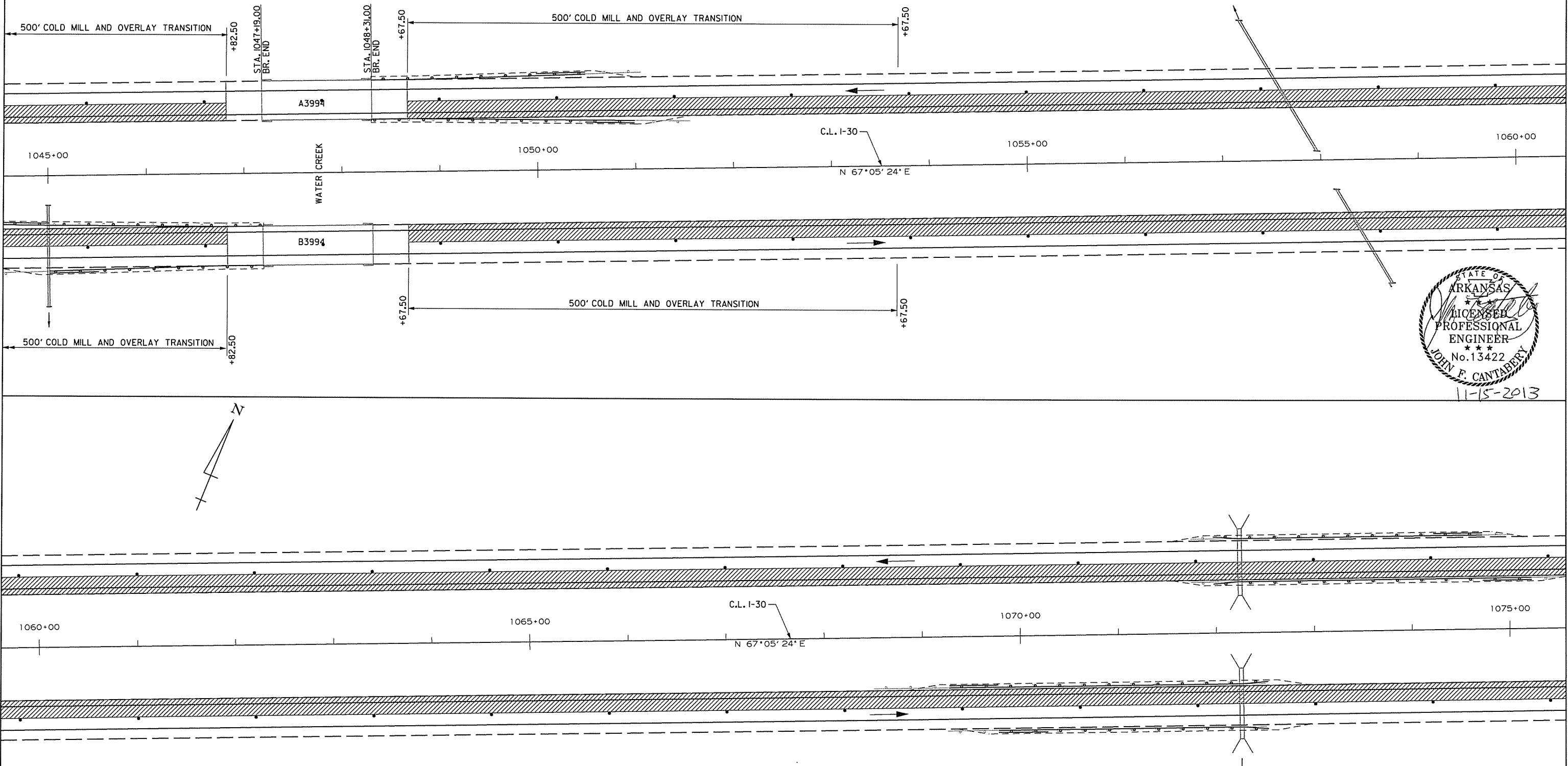


MAINTENANCE OF TRAFFIC  
STAGE 3  
(INSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:22 PM  
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 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_ST3\_03.dgn  
 REVISED DATE:

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
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 EXISTING BRIDGE B3994 - LT. EDGE LINE & SKIP LINE = 231 LIN. FT.

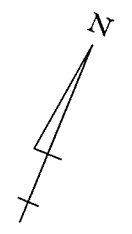
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				JOB NO.		BBO306		
				② MAINTENANCE OF TRAFFIC				



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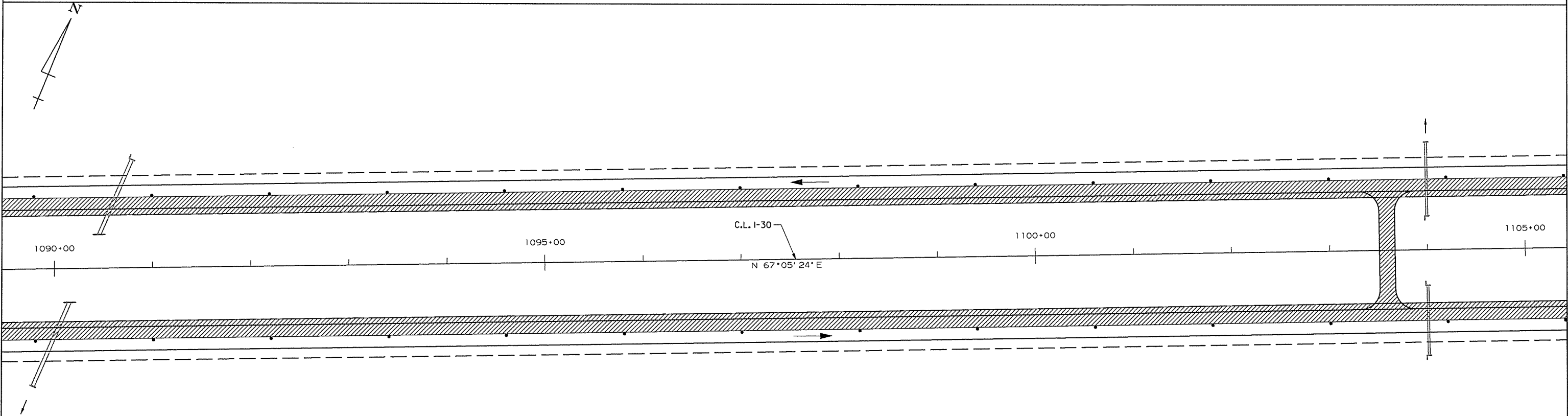
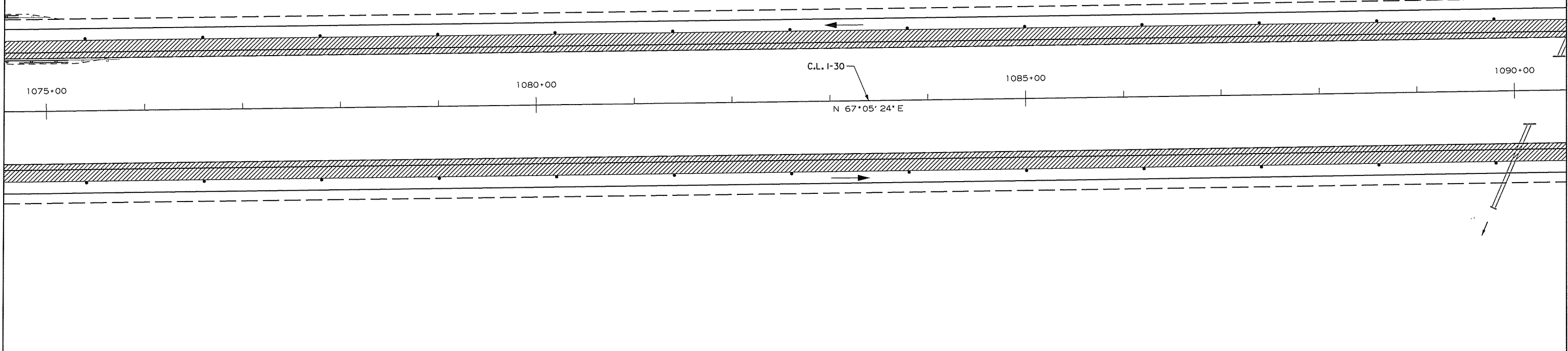
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

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 REVISED DATE:



STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN P. CANTABRY  
 11-15-2013

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.	148
							BBO306	80
							(2)	MAINTENANCE OF TRAFFIC



PAVING

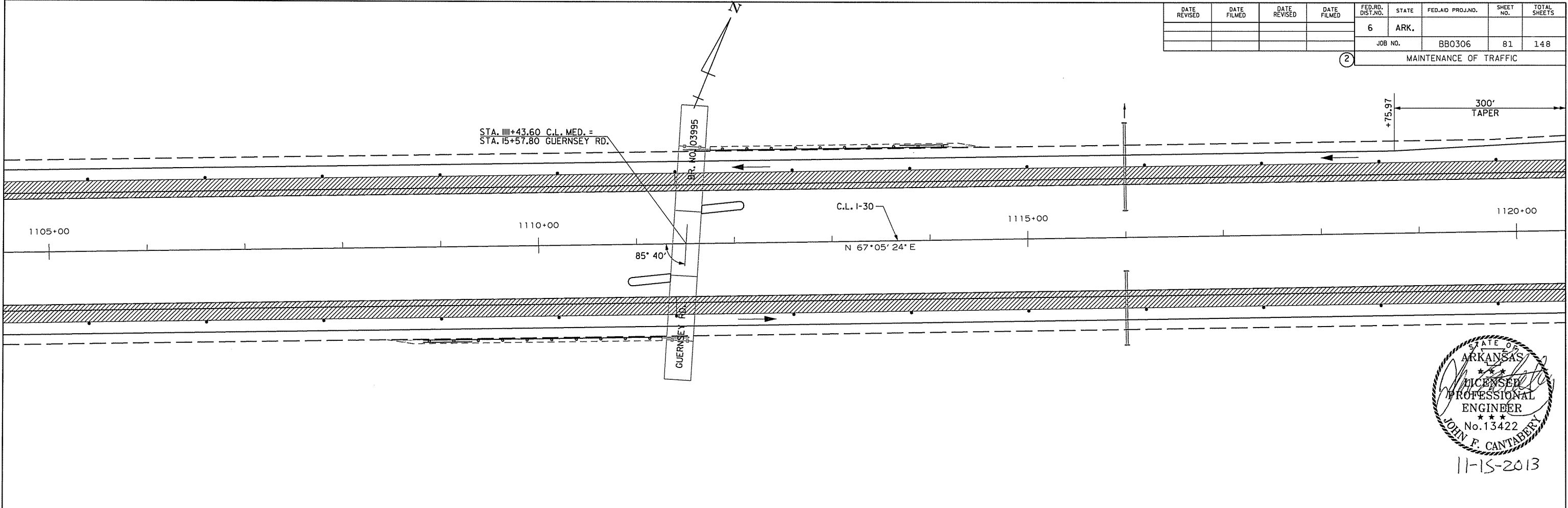
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

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 REVISED DATE:

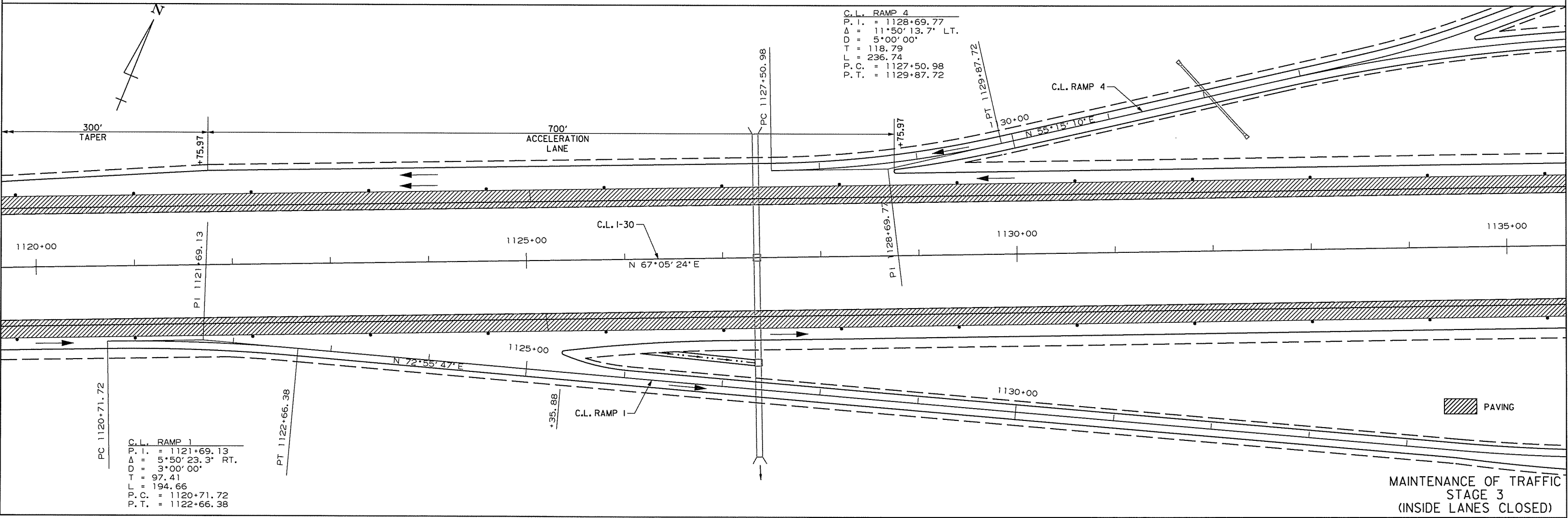


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		81	148

② MAINTENANCE OF TRAFFIC



11-15-2013



C.L. RAMP 4  
 P.I. = 1128+69.77  
 $\Delta$  = 11° 50' 13.7" LT.  
 D = 5° 00' 00"  
 T = 118.79  
 L = 236.74  
 P.C. = 1127+50.98  
 P.T. = 1129+87.72

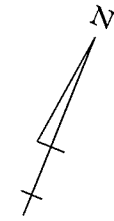
C.L. RAMP 1  
 P.I. = 1121+69.13  
 $\Delta$  = 5° 50' 23.3" RT.  
 D = 3° 00' 00"  
 T = 97.41  
 L = 194.66  
 P.C. = 1120+71.72  
 P.T. = 1122+66.38

MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

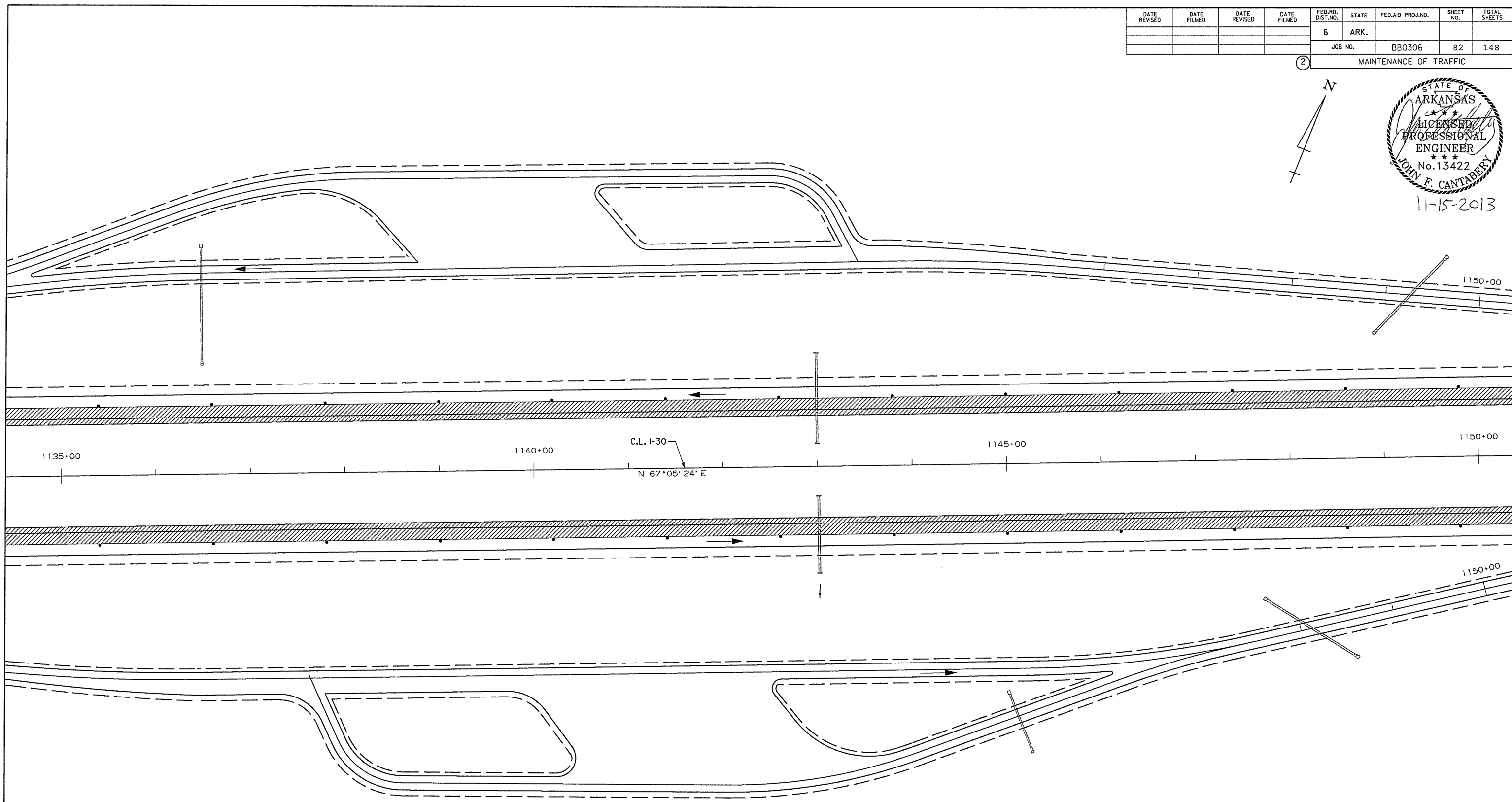
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 REVISED DATE:

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. BBO306	82	148

② MAINTENANCE OF TRAFFIC



11-15-2013



 PAVING

MAINTENANCE OF TRAFFIC  
STAGE 3  
(INSIDE LANES CLOSED)

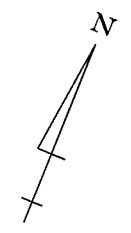
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. BBO306	83	148

② MAINTENANCE OF TRAFFIC

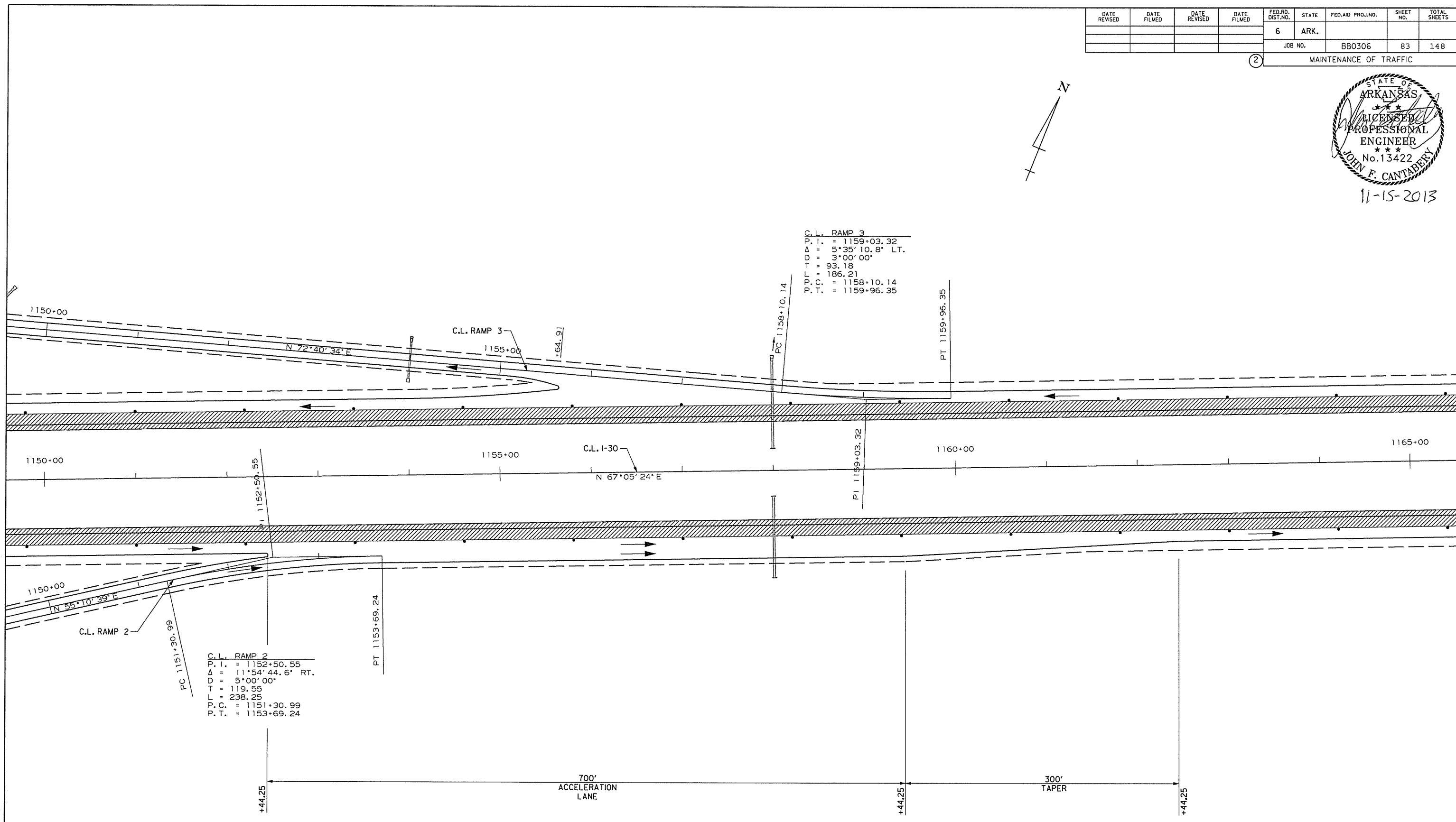


11-15-2013



C.L. RAMP 3  
 P. I. = 1159+03.32  
 $\Delta$  = 5°35'10.8" LT.  
 D = 99°00'00"  
 T = 93.18  
 $\Gamma$  = 186.21  
 P. C. = 1158+10.14  
 P. T. = 1159+96.35

C.L. RAMP 2  
 P. I. = 1152+50.55  
 $\Delta$  = 11°54'44.6" RT.  
 D = 5°00'00"  
 T = 119.55  
 $\Gamma$  = 238.25  
 P. C. = 1151+30.99  
 P. T. = 1153+69.24



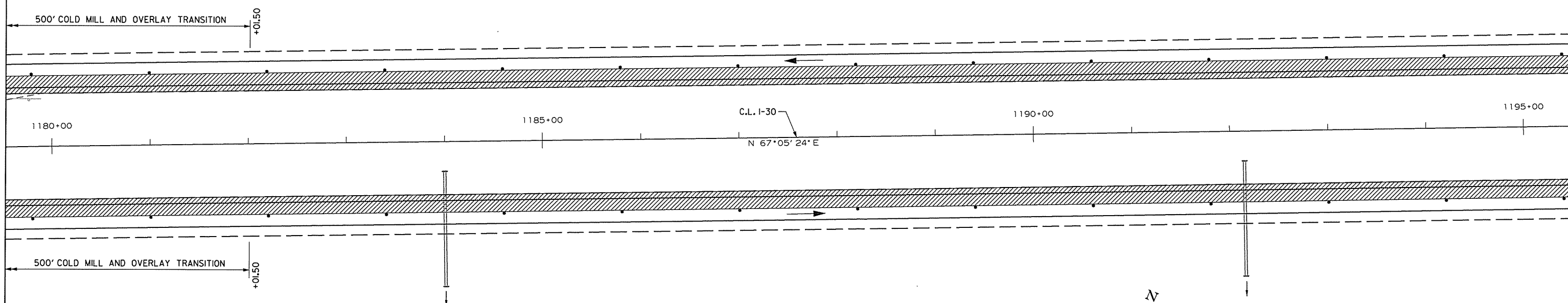
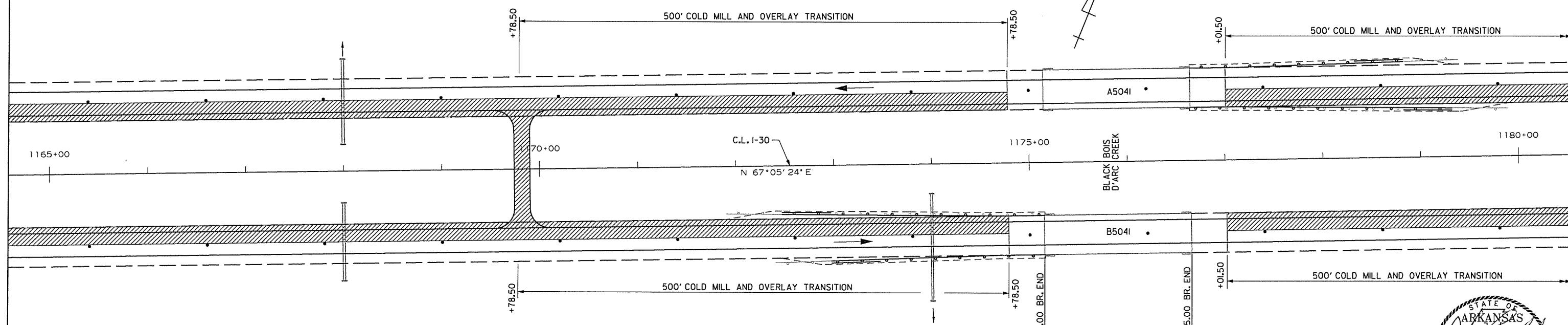
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_ST3\_08.dgn  
 REVISED DATE:

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
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 EXISTING BRIDGE B5041 - LT. EDGE LINE & SKIP LINE = 279 LIN. FT.

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.	BB0306	84	148	

② MAINTENANCE OF TRAFFIC



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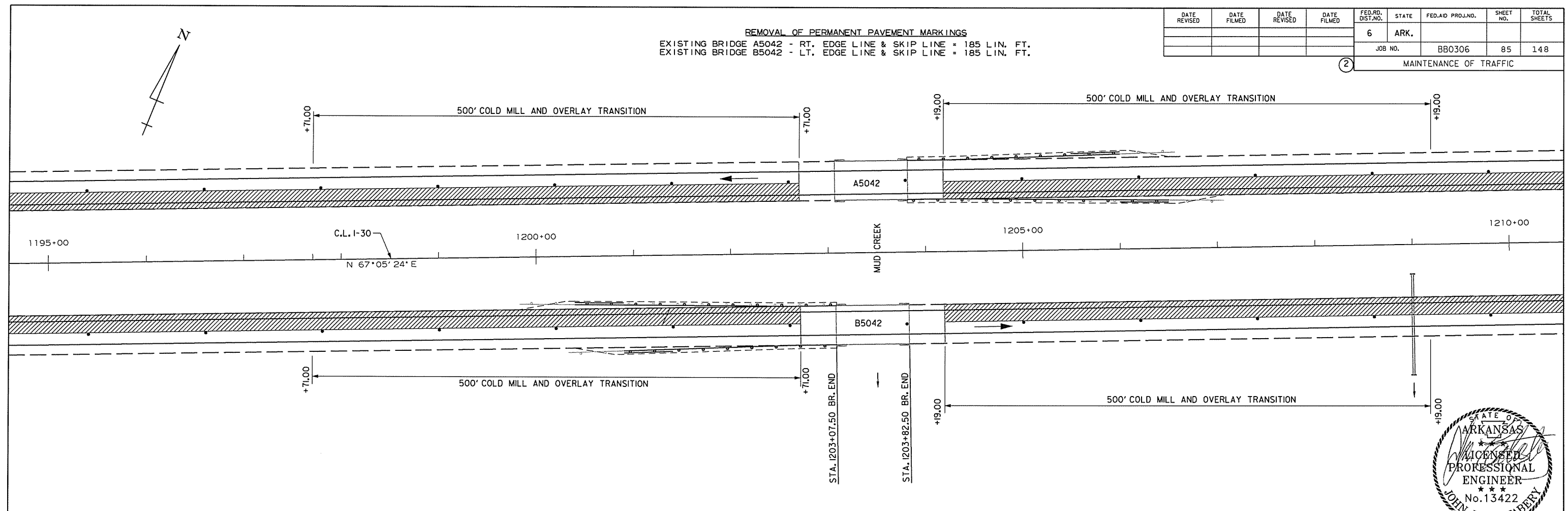
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:23 PM  
 WORKSPACE: AHTD  
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 REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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						JOB NO. BB0306	85	148

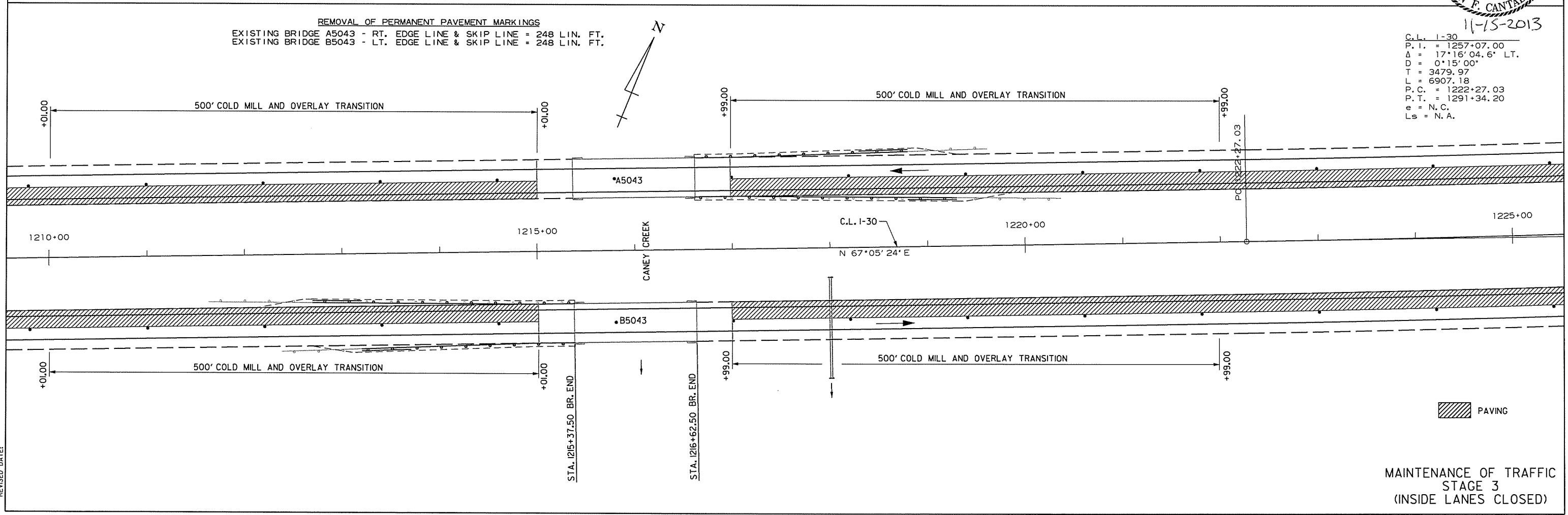
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 EXISTING BRIDGE B5042 - LT. EDGE LINE & SKIP LINE = 185 LIN. FT.

② MAINTENANCE OF TRAFFIC



REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A5043 - RT. EDGE LINE & SKIP LINE = 248 LIN. FT.  
 EXISTING BRIDGE B5043 - LT. EDGE LINE & SKIP LINE = 248 LIN. FT.

11-15-2013  
 C.L. I-30  
 P.I. = 1257+07.00  
 Δ = 17°16'04.6" LT.  
 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N. C.  
 Ls = N. A.

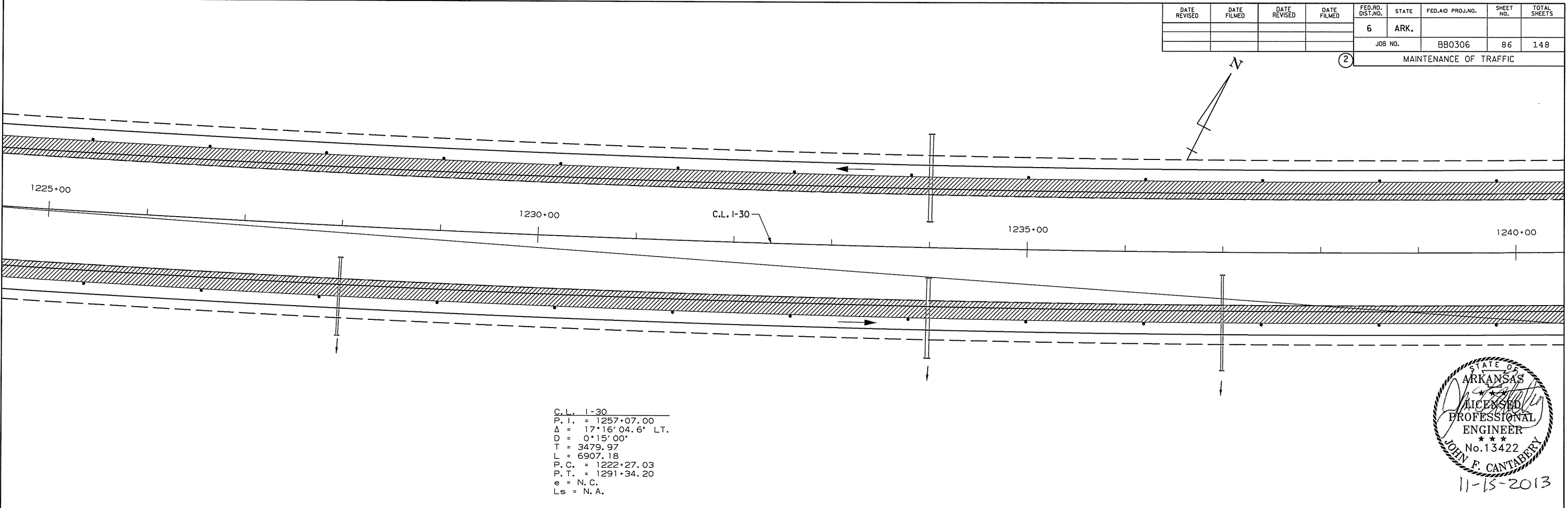


scdonaldson 11/14/2013 2:26:24 PM  
 WORKSPACE: AHTD  
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 REVISED DATE:

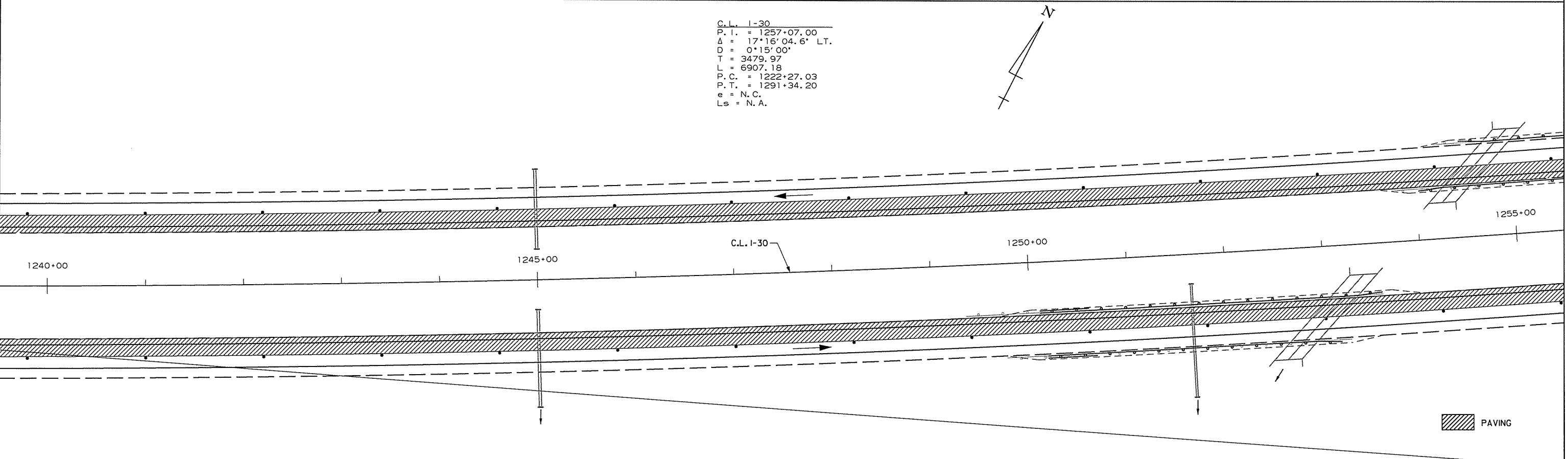
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

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.	BB0306		86	148

② MAINTENANCE OF TRAFFIC



C.L. I-30  
 P. I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P. C. = 1222+27.03  
 P. T. = 1291+34.20  
 e = N. C.  
 Ls = N. A.



C.L. I-30  
 P. I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P. C. = 1222+27.03  
 P. T. = 1291+34.20  
 e = N. C.  
 Ls = N. A.

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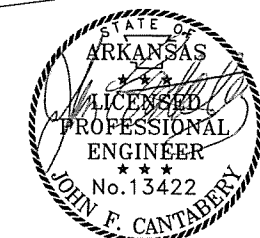
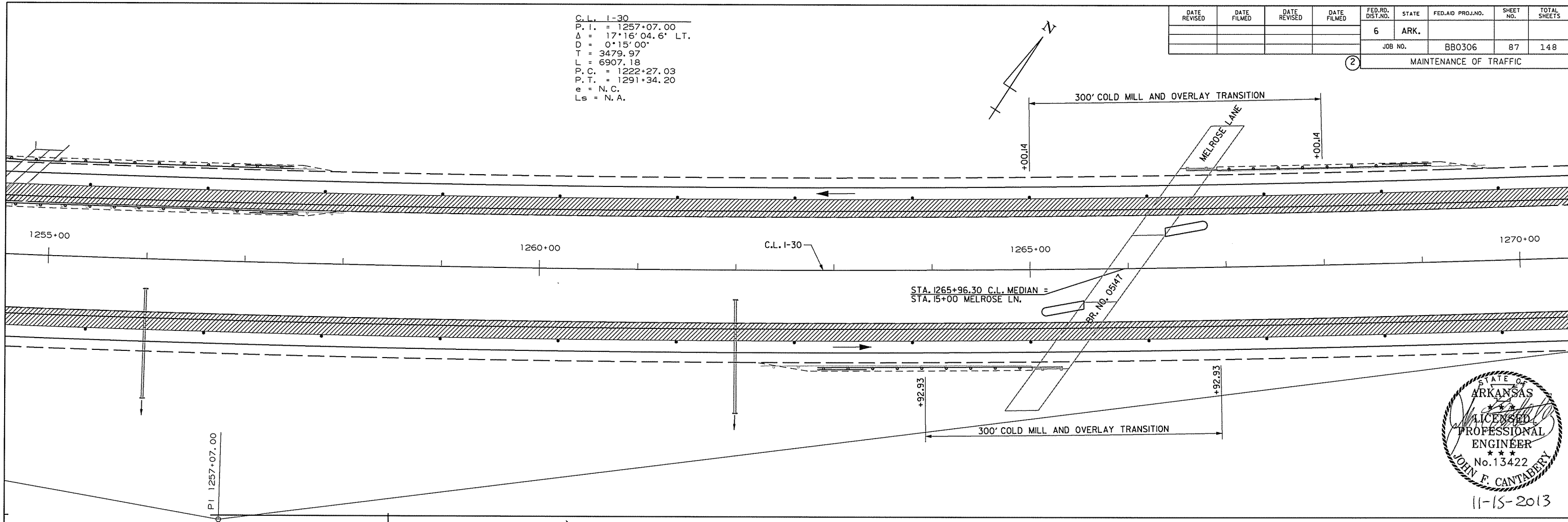
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

11/14/2013 2:26:24 PM  
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 REVISED DATE:

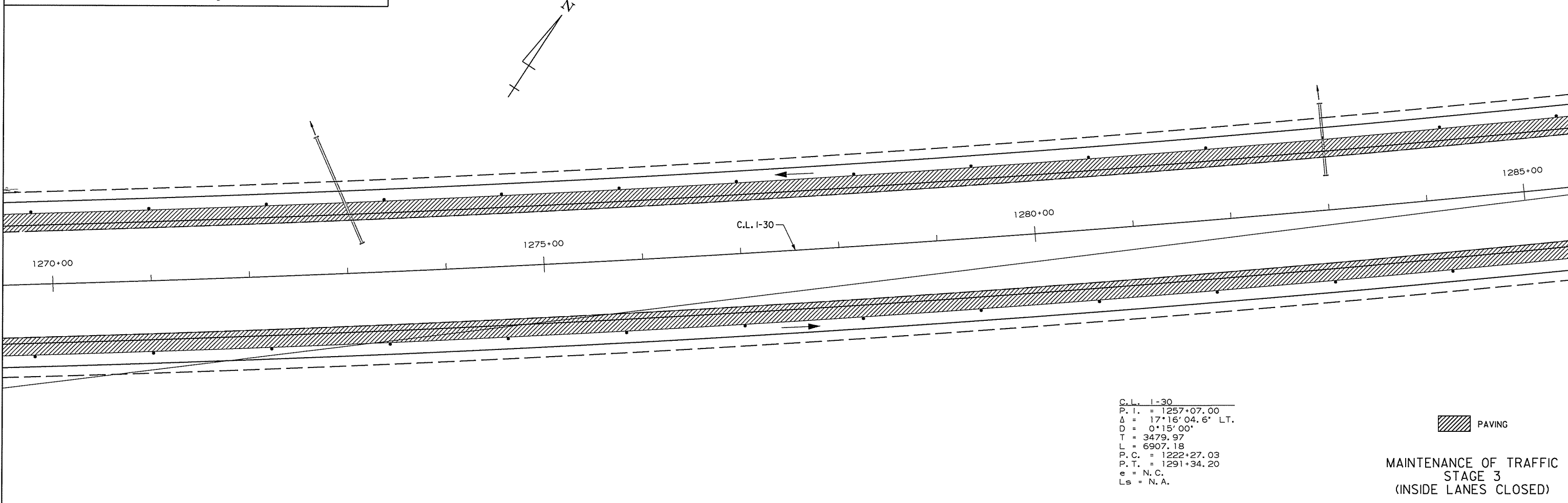
C.L. I-30  
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 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

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.	BB0306		87	148

② MAINTENANCE OF TRAFFIC



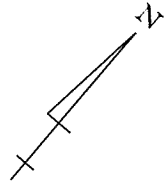
11-15-2013



C.L. I-30  
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 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

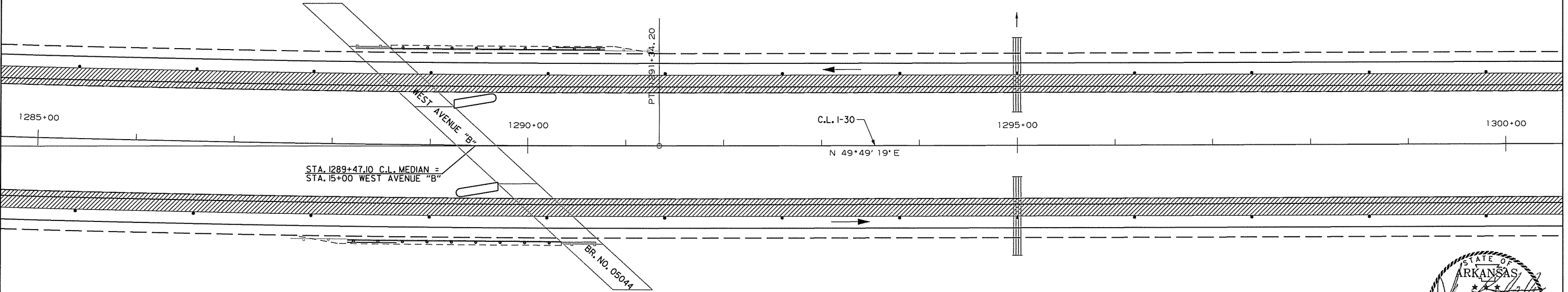


MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)



C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $Ls = N.A.$

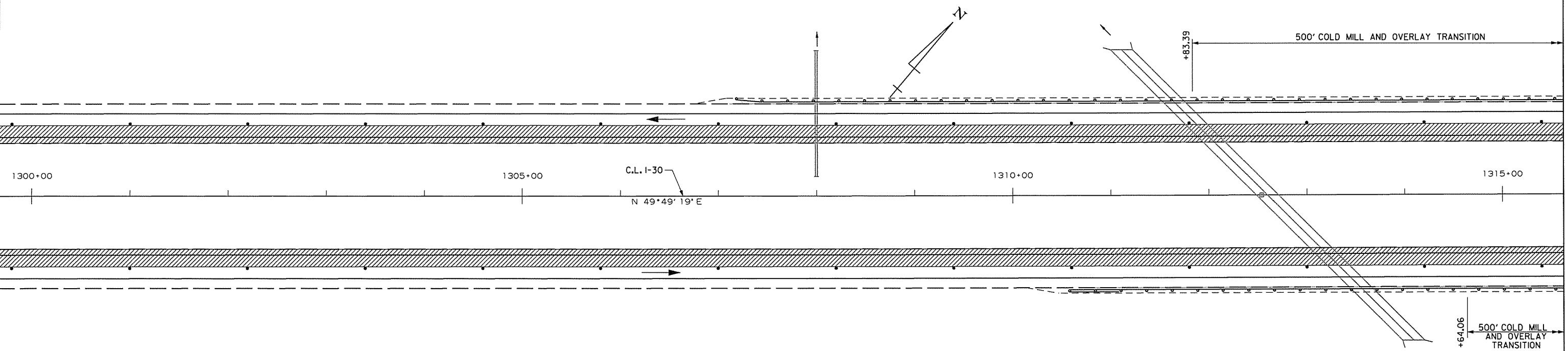
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				6	ARK.			
				JOB NO.	BBO306		88	148
② MAINTENANCE OF TRAFFIC								



**CONSTRUCTION PAVEMENT MARKINGS**  
 STA. 1285+01.50 - STA. 1315+00.00 4" WHITE EDGE LINE = 6000 LIN. FT.  
 STA. 1285+01.50 - STA. 1315+00.00 4" YELLOW EDGE LINE = 6000 LIN. FT.



11-15-2013



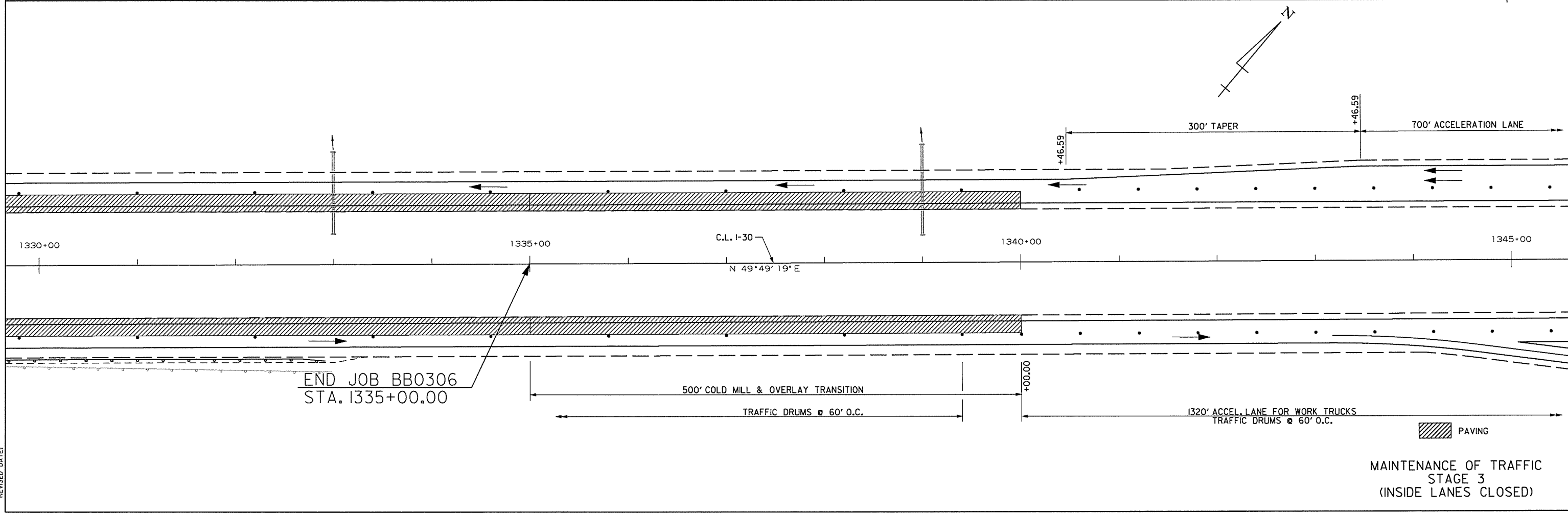
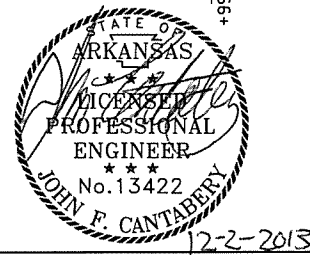
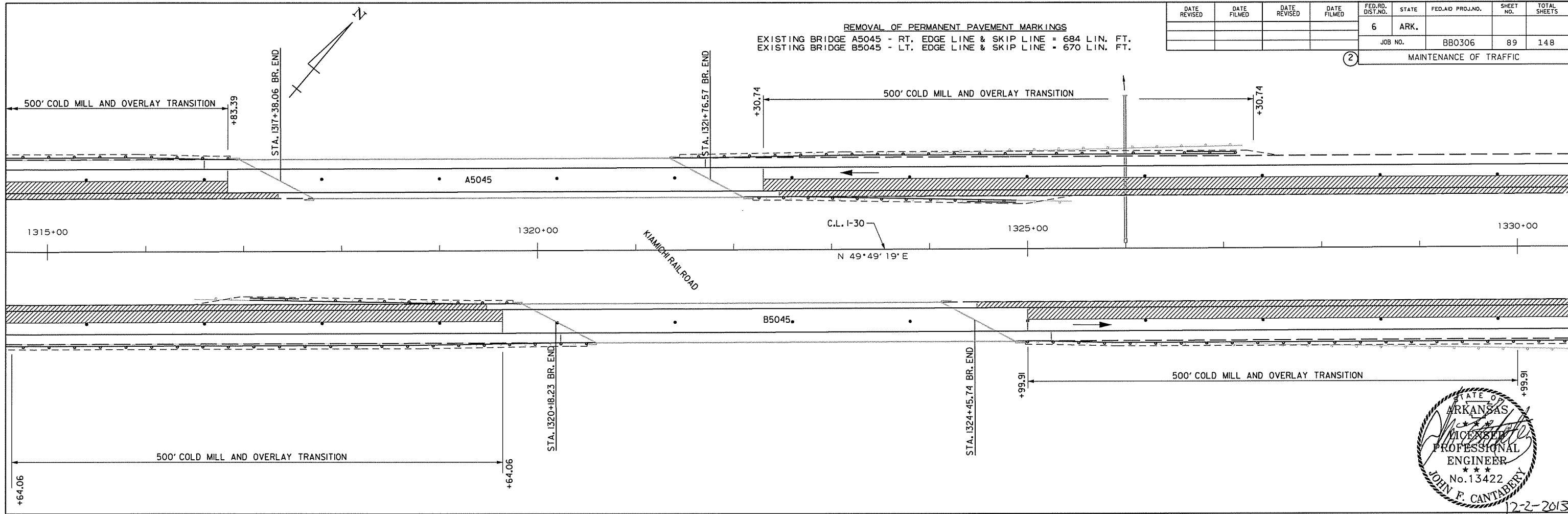
MAINTENANCE OF TRAFFIC  
 STAGE 3  
 (INSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:24 PM  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_ST3.dgn  
 REVISED DATE:



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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						JOB NO.	BBO306	89
						② MAINTENANCE OF TRAFFIC		

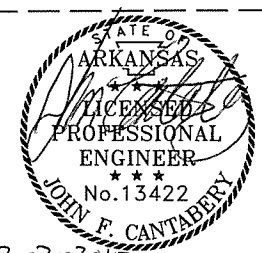
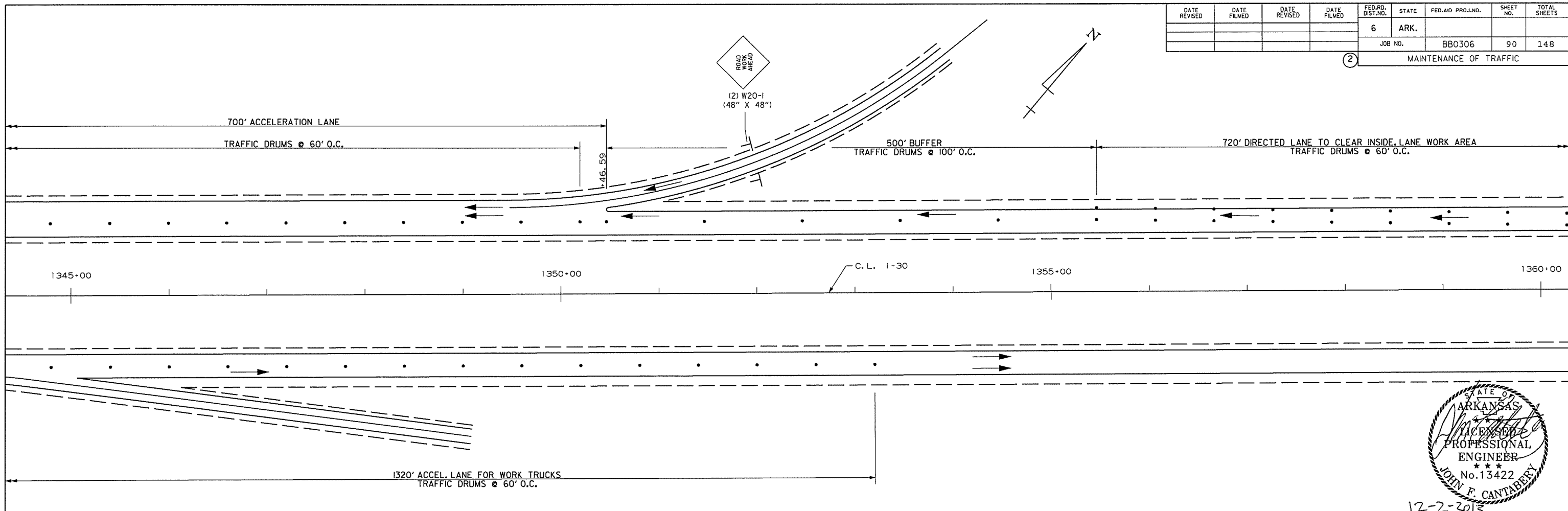
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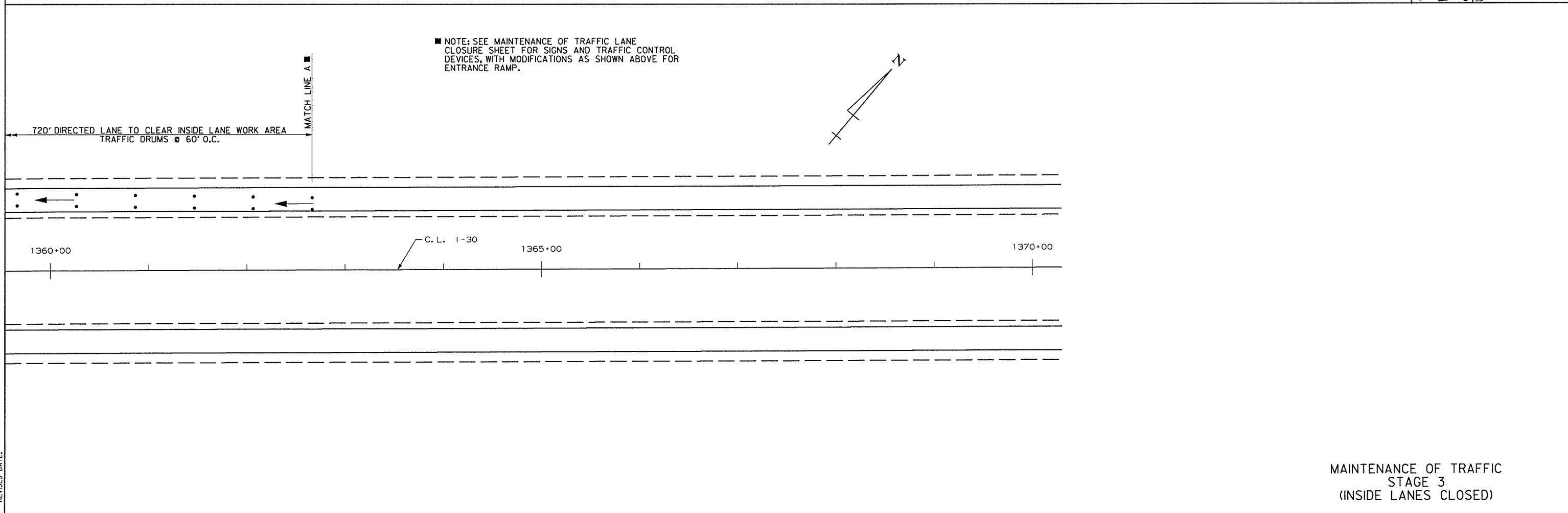
END JOB BBO306  
 STA. 1335+00.00

12/22/2013 12:29:42 PM  
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 REVISION DATE:

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.	BBO306	90	148	
② MAINTENANCE OF TRAFFIC								



NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES, WITH MODIFICATIONS AS SHOWN ABOVE FOR ENTRANCE RAMP.

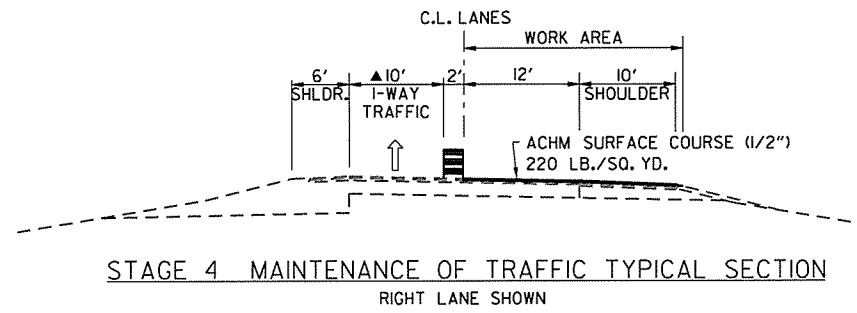


MAINTENANCE OF TRAFFIC  
STAGE 3  
(INSIDE LANES CLOSED)

sadonaldson 12/2/2013 12:29:42 PM  
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 REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1-2-14				6	ARK.			
						JOB NO. BB0306	91	148

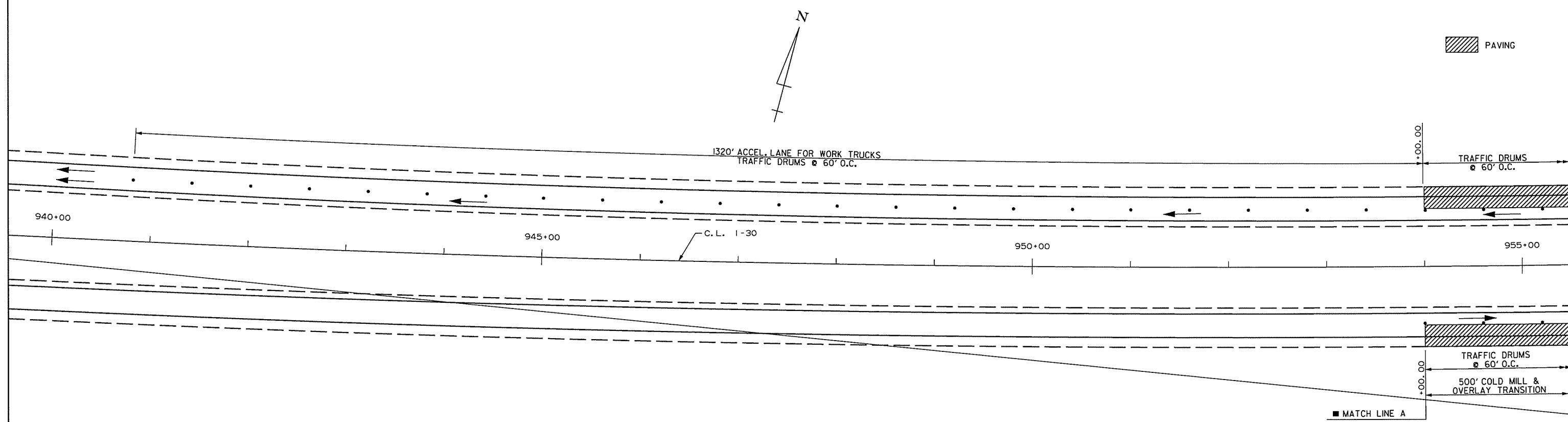
② MAINTENANCE OF TRAFFIC



STAGE 4 MAINTENANCE OF TRAFFIC TYPICAL SECTION  
RIGHT LANE SHOWN

STAGE 4 CONSTRUCTION SEQUENCE NOTES

1. MOVE TRAFFIC TO INSIDE LANES AS SHOWN IN LANE CLOSURE SHEET.
2. CONTINUE BARRELS ALONG CENTERLINE OF LANES AT 60' INTERVAL FOR LENGTH OF JOB.
3. COLD MILL TRANSITION JOINTS IMMEDIATELY PRIOR TO PAVING.
4. PAVE OUTSIDE LANES WITH SURFACE COURSE.
5. FROM STA. 1118+75.97 TO STA. 1162+44.25, THE WEIGH STATION SHALL BE CLOSED TO ALLOW PAVING WITH SURFACE COURSE IN THE GORE AND RAMP AREAS. ONCE PAVING IS FINISHED, THE WEIGH STATION SHALL BE REOPENED AS SHOWN IN STAGES 4A AND 4B.
6. PLACE REMAINING PERMANENT PAVING MARKINGS BEFORE OPENING OUTSIDE LANES TO TRAFFIC.
- ▲ 7. A 10' LANE SHALL ONLY BE UTILIZED WHEN PAVING OPERATIONS ARE DIRECTLY ADJACENT TO TRAFFIC. A 12' LANE SHALL BE MAINTAINED WHEN POSSIBLE.



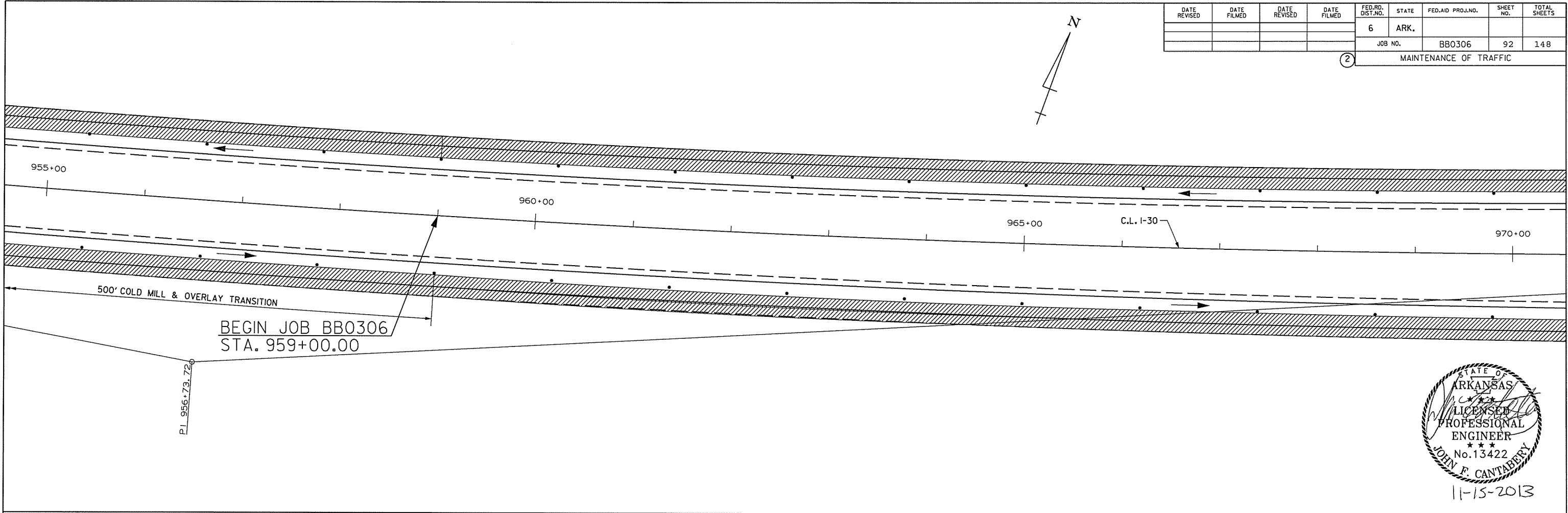
■ NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES.

MAINTENANCE OF TRAFFIC  
STAGE 4  
(OUTSIDE LANES CLOSED)

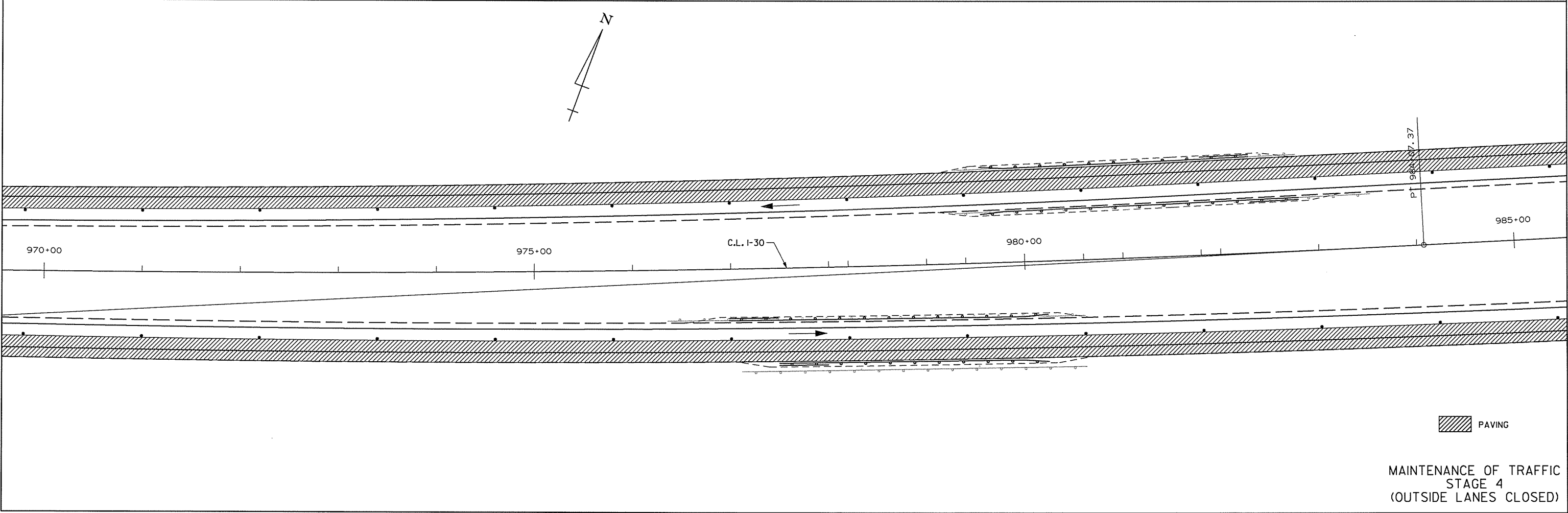
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 REVISED DATE:

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.	BBO306	92

② MAINTENANCE OF TRAFFIC



STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 13422  
 JOHN F. CANTABERY  
 11-15-2013



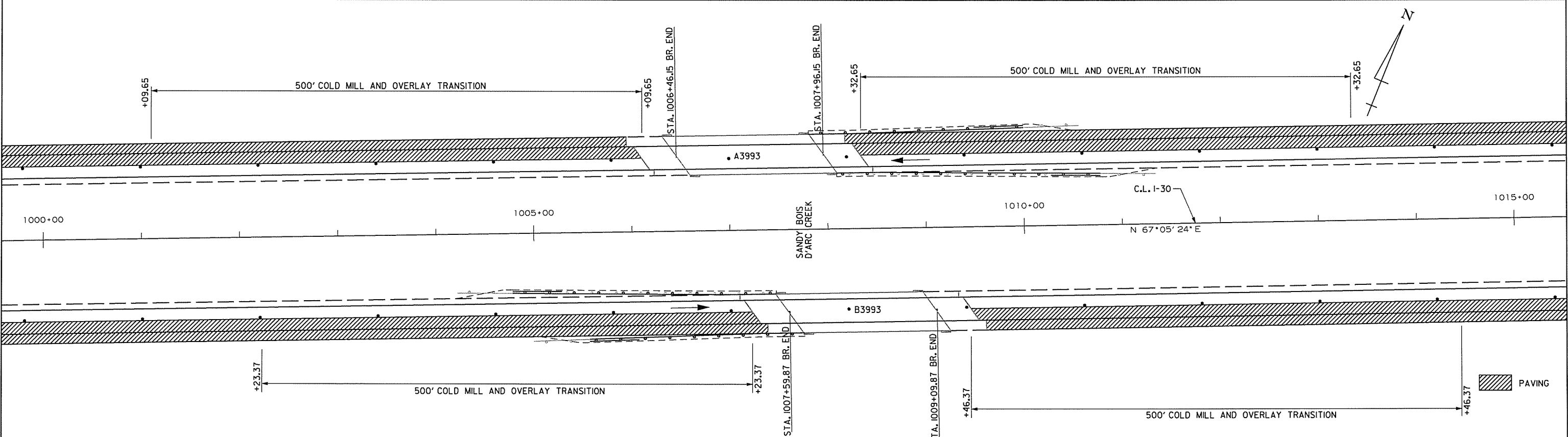
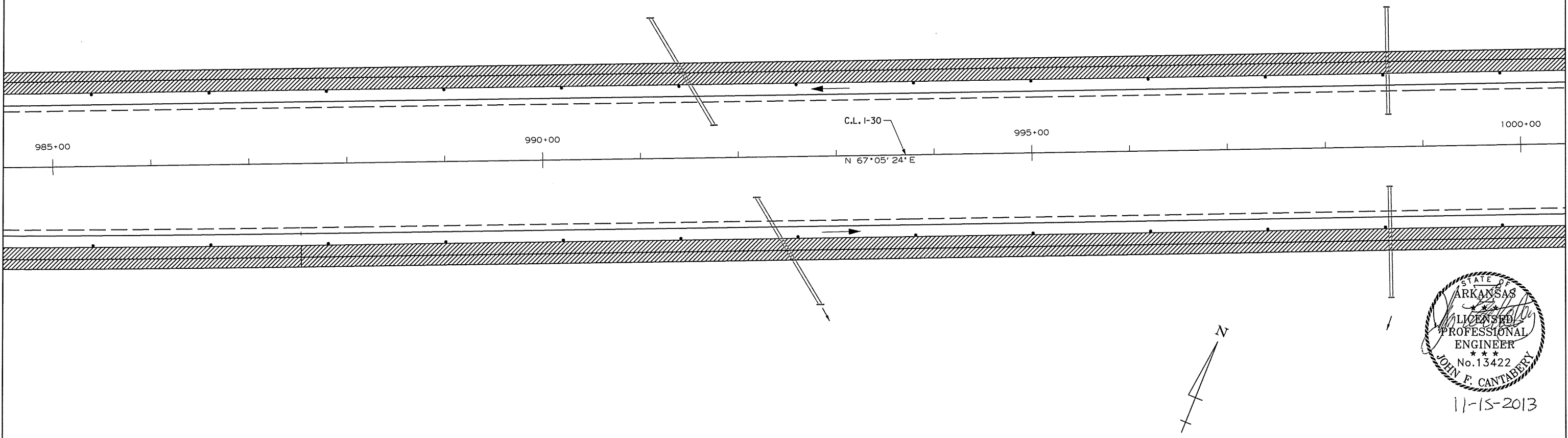
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MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

sodonaldson 11/14/2013 2:26:25 PM  
 WORKSPACE\_AHTD  
 L:\2013\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_STA\_01b.dgn  
 REVISED DATE:

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.	BB0306		93	148

② MAINTENANCE OF TRAFFIC



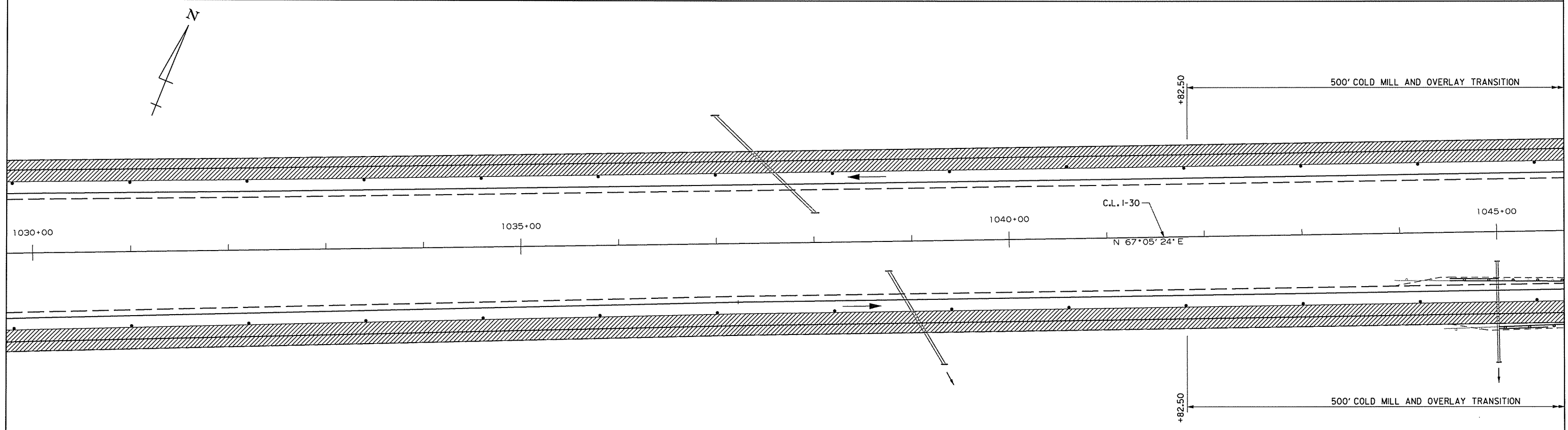
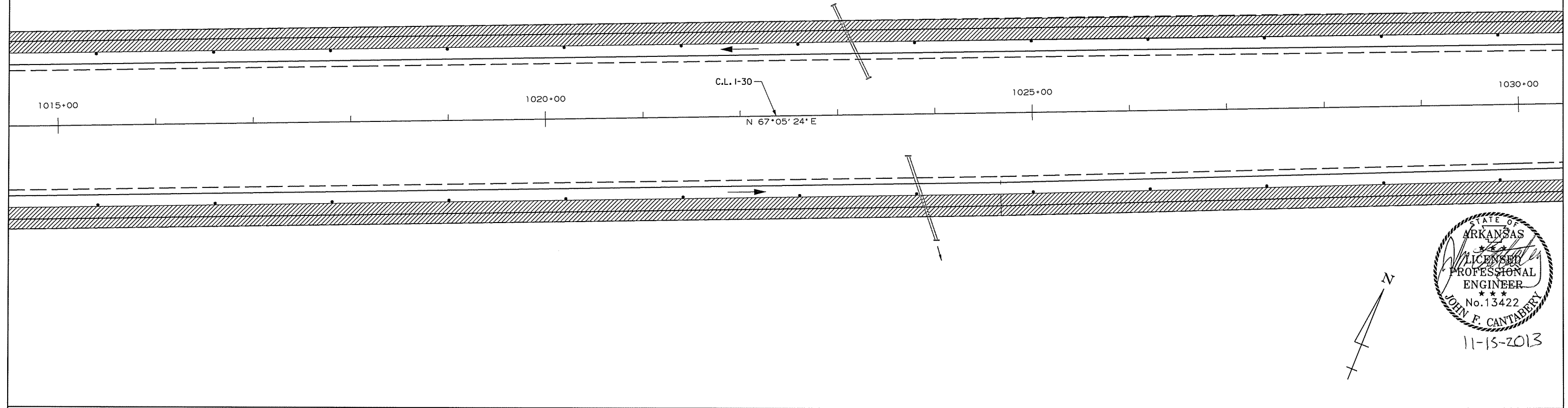
REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A3993 - LT. EDGE LINE & SKIP LINE = 223 LIN. FT.  
 EXISTING BRIDGE B3993 - RT. EDGE LINE & SKIP LINE = 223 LIN. FT.

MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:25 PM  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_STA\_02.dgn  
 REVISED DATE:

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.	BBO306		94	148

② MAINTENANCE OF TRAFFIC



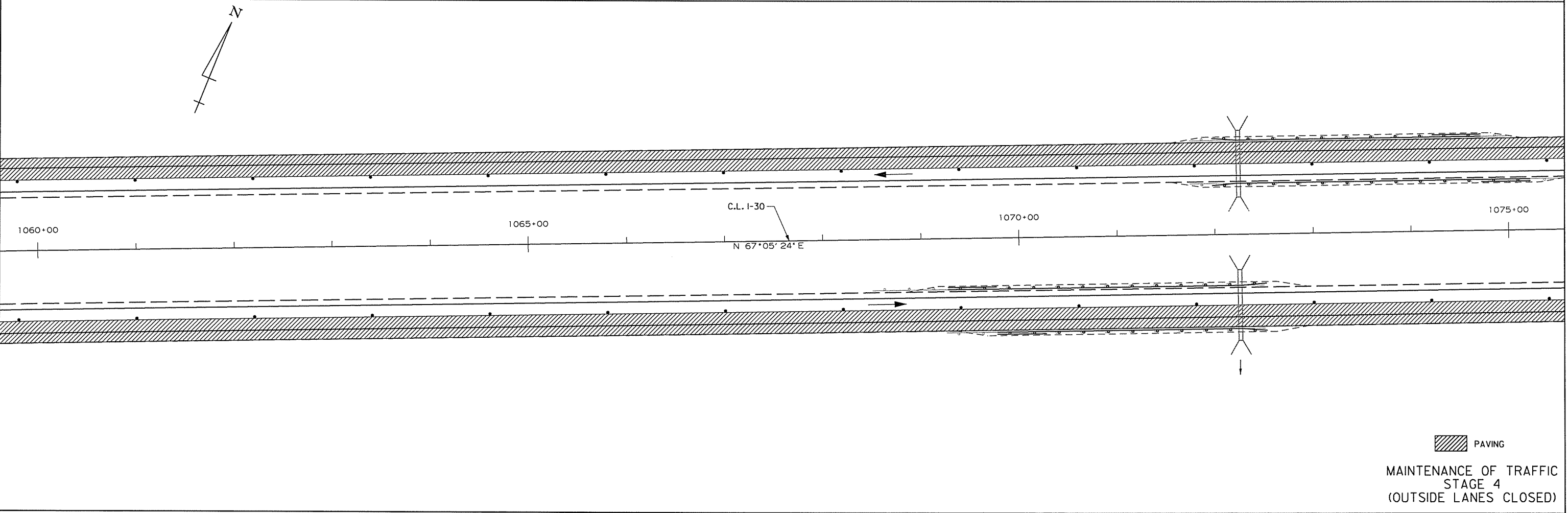
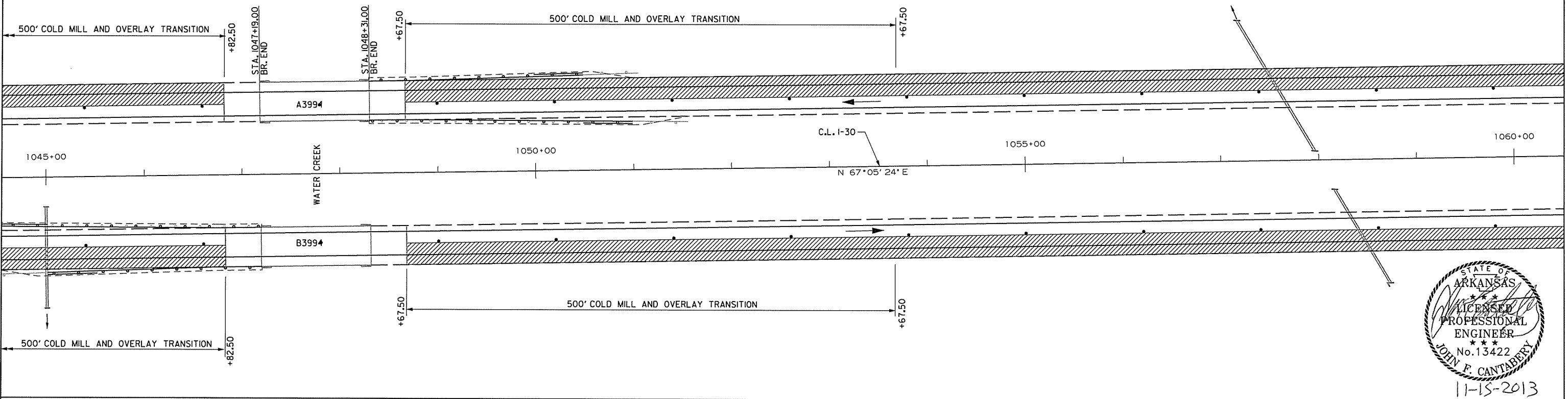
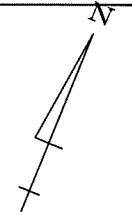
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MAINTENANCE OF TRAFFIC  
STAGE 4  
(OUTSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
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 REVISED DATE:

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.	BB0306		95	148
				② MAINTENANCE OF TRAFFIC				

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A3994 - LT. EDGE LINE = 185 LIN. FT.  
 EXISTING BRIDGE B3994 - RT. EDGE LINE = 185 LIN. FT.



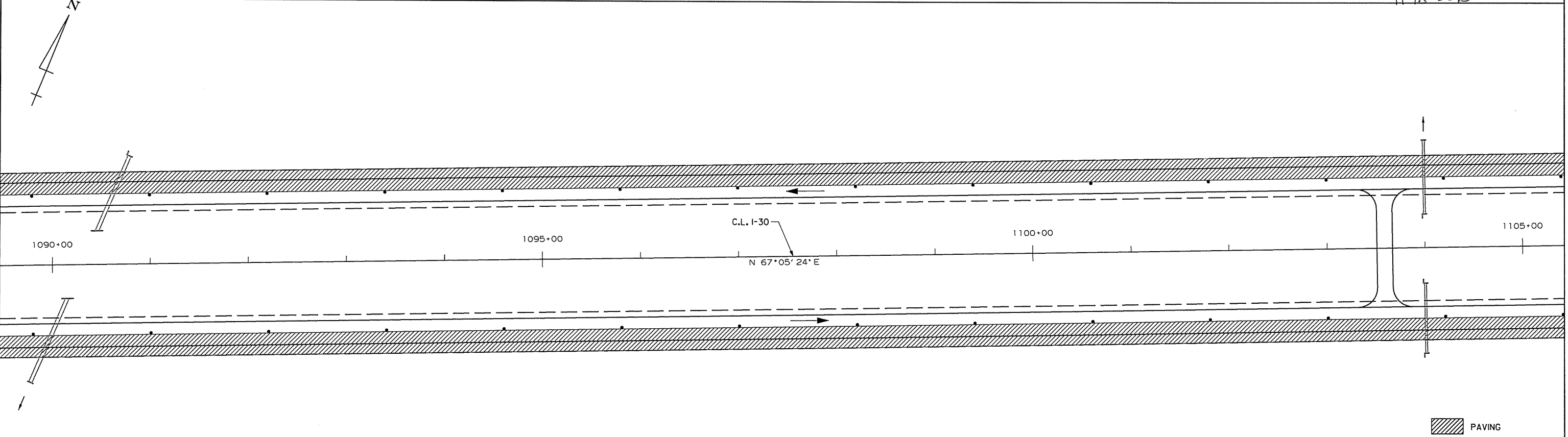
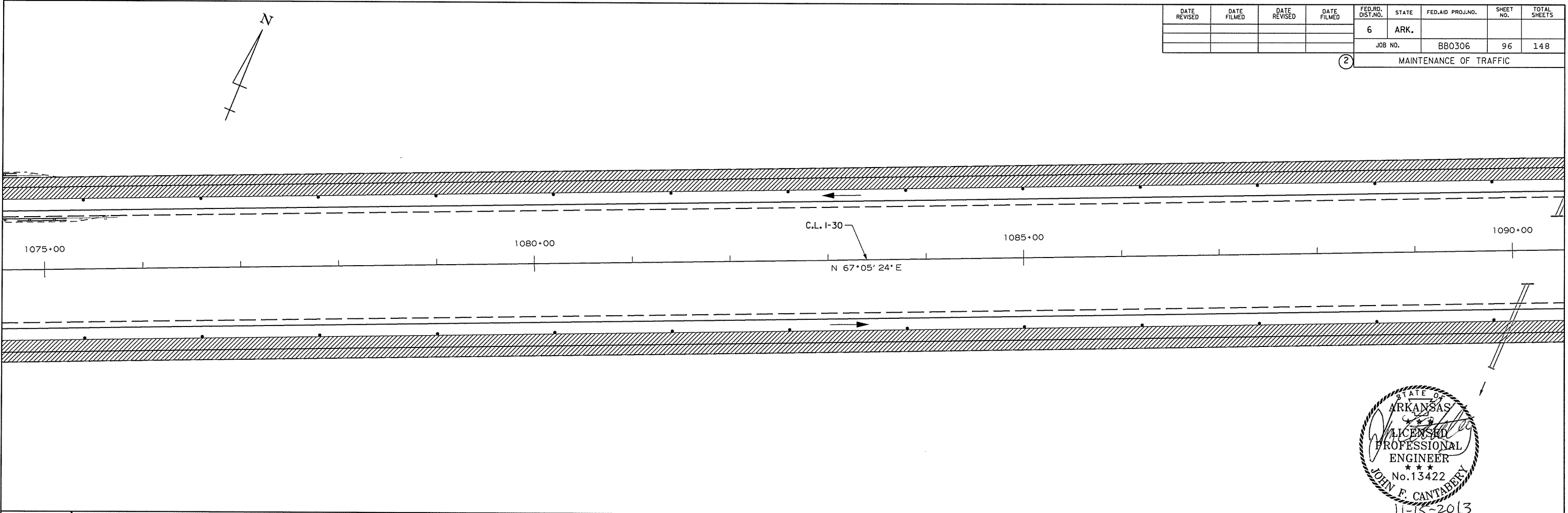
PAVING

MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
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 REVISED DATE:

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						BB0306	96	148

② MAINTENANCE OF TRAFFIC



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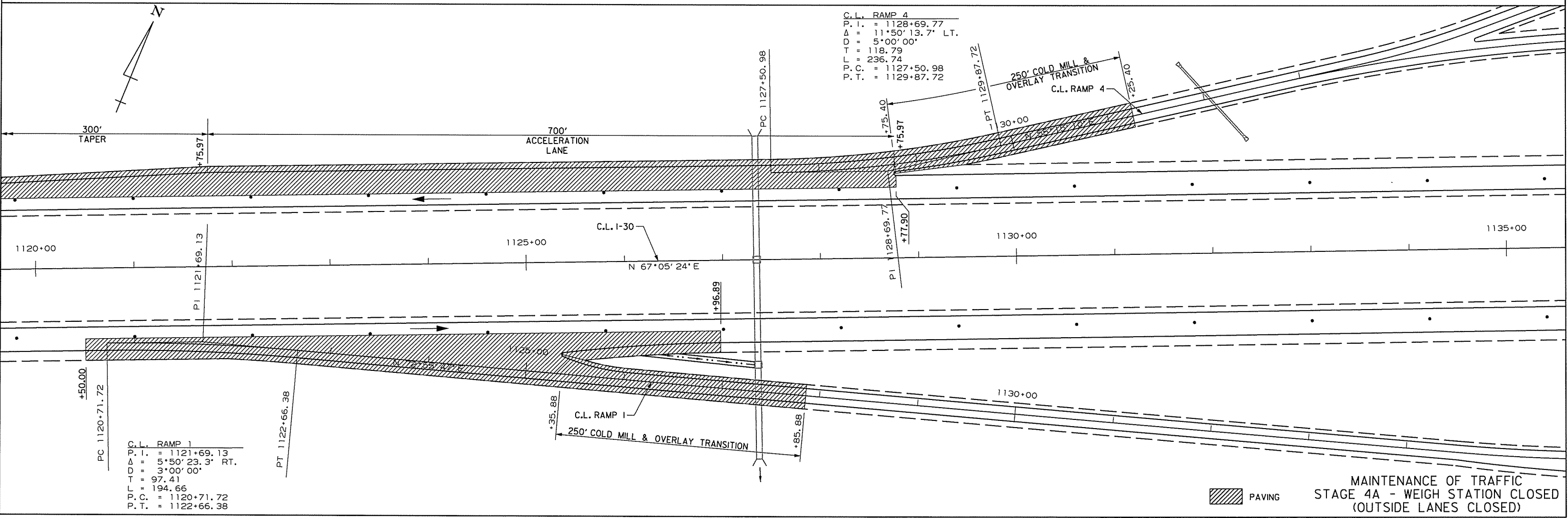
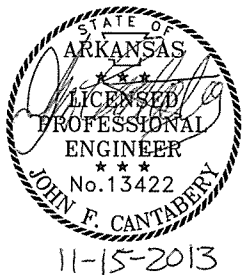
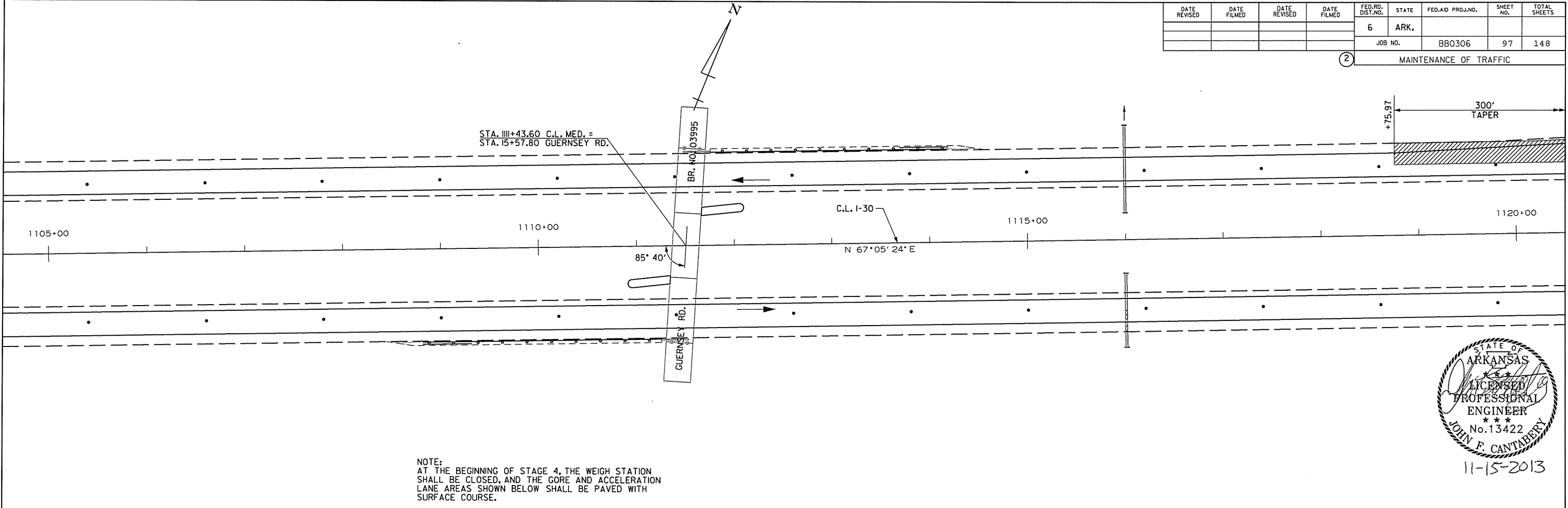
MAINTENANCE OF TRAFFIC  
STAGE 4  
(OUTSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
 L:\2013\1017701 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_ST4\_05.dgn  
 REVISED DATE:



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		97	148
				JOB NO.		BBO306		

② MAINTENANCE OF TRAFFIC

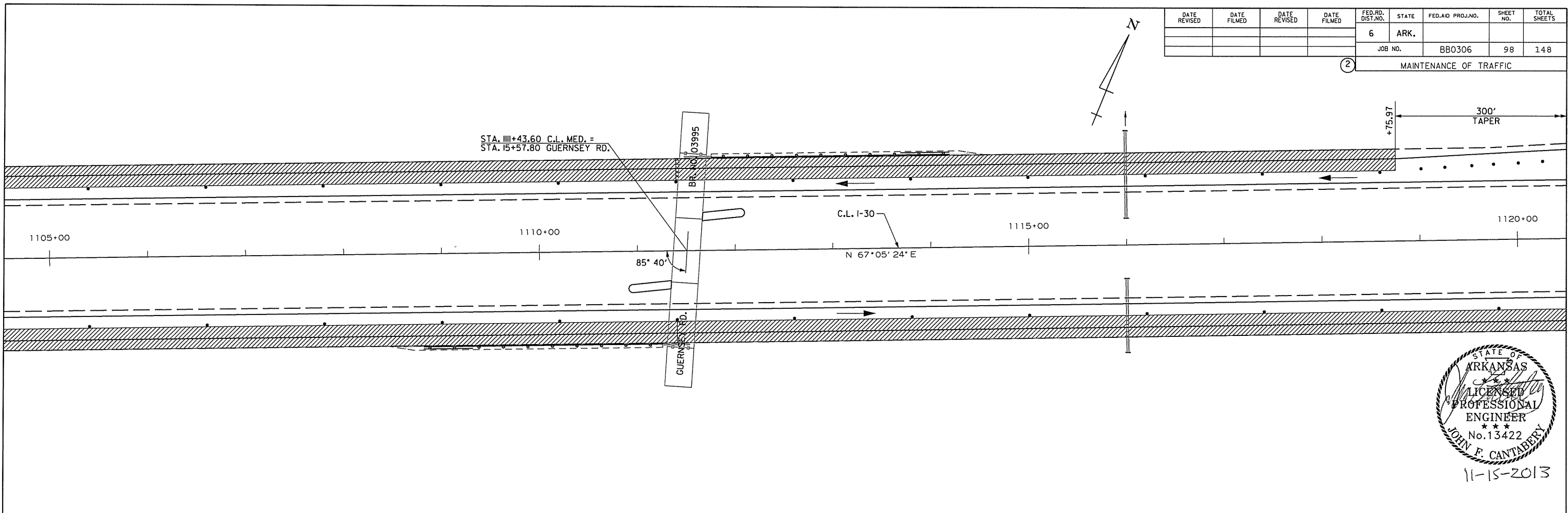


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 WORKSPACE: AHTD  
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 REVISED DATE:

C.L. RAMP 1  
P.I. = 1121+69.13  
Δ = 5°50'23.3" RT.  
D = 3°00'00"  
T = 97.41  
L = 194.66  
P.C. = 1120+71.72  
P.T. = 1122+66.38

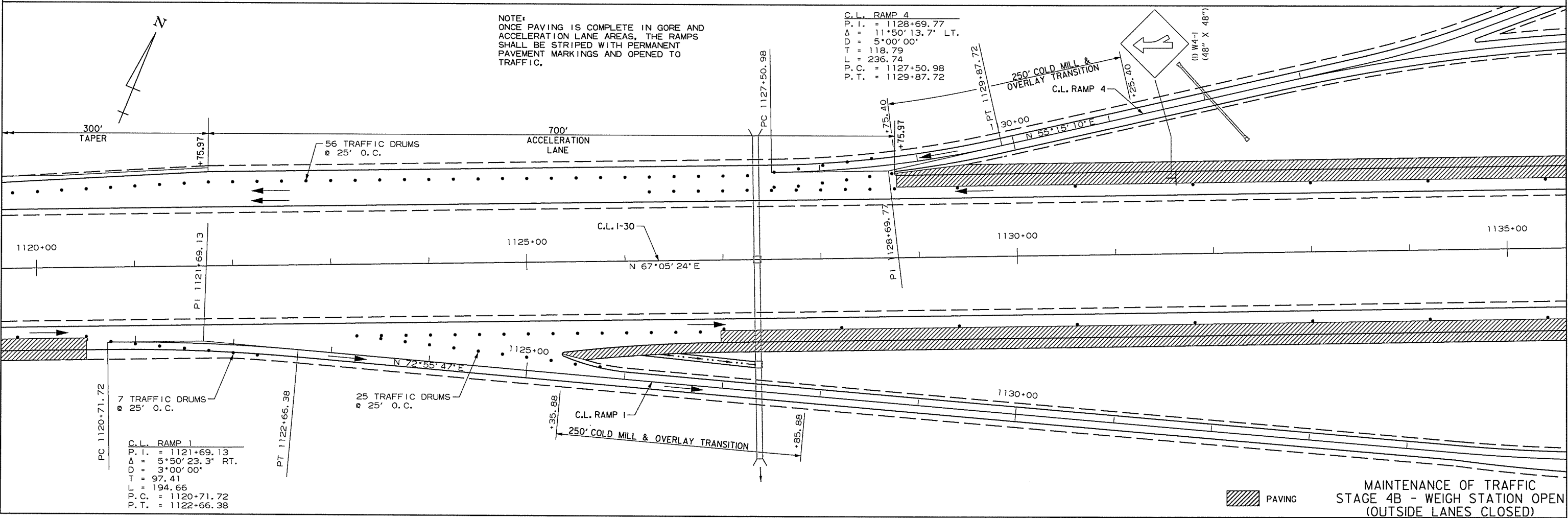
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		98	148
				JOB NO.		BBO306	98	148

② MAINTENANCE OF TRAFFIC



NOTE:  
ONCE PAVING IS COMPLETE IN GORE AND ACCELERATION LANE AREAS, THE RAMPS SHALL BE STRIPED WITH PERMANENT PAVEMENT MARKINGS AND OPENED TO TRAFFIC.

C.L. RAMP 4  
P. I. = 1128+69.77  
Δ = 11° 50' 13.7" LT.  
D = 5° 00' 00"  
T = 118.79  
L = 236.74  
P. C. = 1127+50.98  
P. T. = 1129+87.72



C.L. RAMP 1  
P. I. = 1121+69.13  
Δ = 5° 50' 23.3" RT.  
D = 9° 00' 00"  
T = 97.41  
L = 194.66  
P. C. = 1120+71.72  
P. T. = 1122+66.38

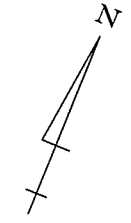


MAINTENANCE OF TRAFFIC  
STAGE 4B - WEIGH STATION OPEN  
(OUTSIDE LANES CLOSED)

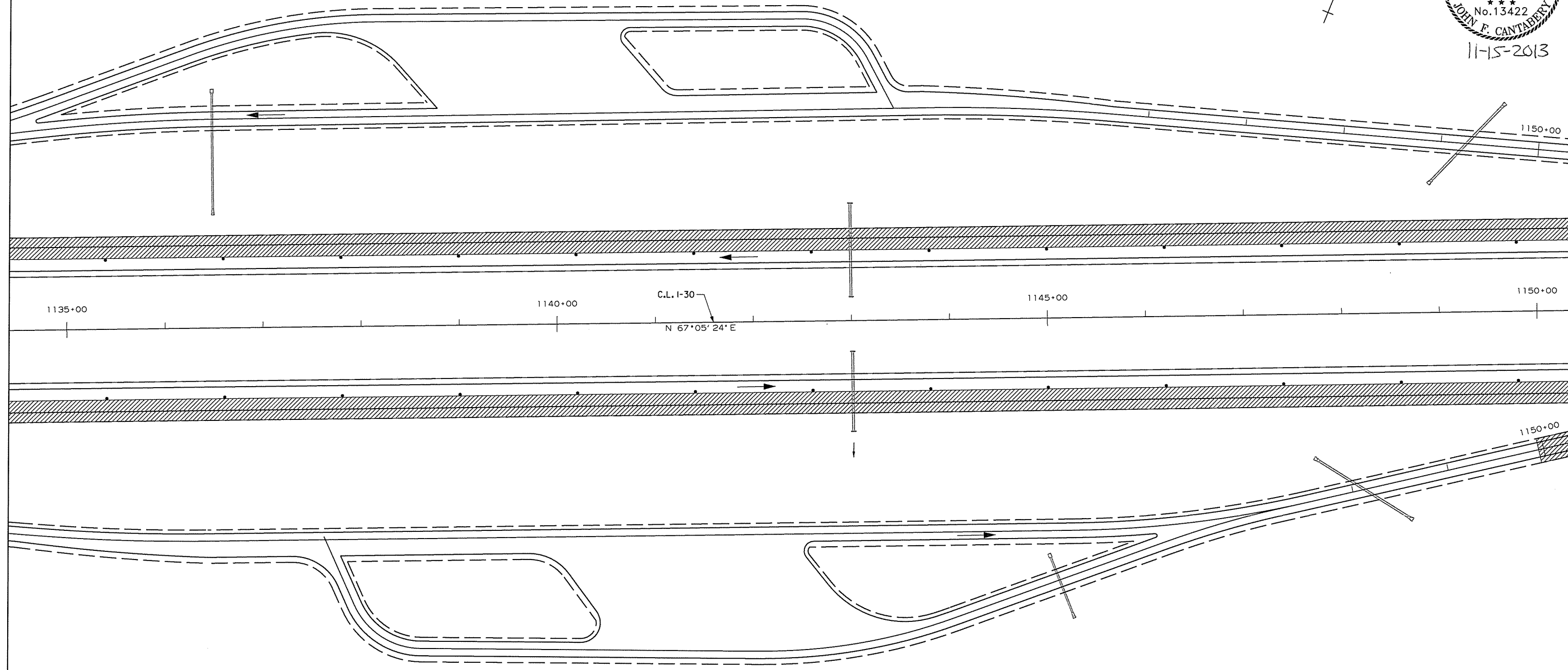
sodanaldson 11/14/2013 2:26:27 PM  
 WORKSPACE: AHTD  
 L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\130\_MOT\_ST4\_06a.dgn  
 REVISED DATE:

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.	BBO306	99	148	

② MAINTENANCE OF TRAFFIC



11-15-2013



MAINTENANCE OF TRAFFIC  
STAGE 4  
(OUTSIDE LANES CLOSED)

sedonaldson 11/14/2013 2:26:27 PM  
 WORKSPACE: AHTD  
 L:\2011\10770 - I-30 Rehabilitation Projects\Drawings\30\_MOT\_ST4\_07.dgn  
 REVISION DATE:

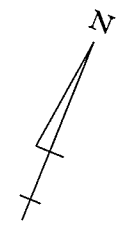
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	BBO306	100	148	

② MAINTENANCE OF TRAFFIC

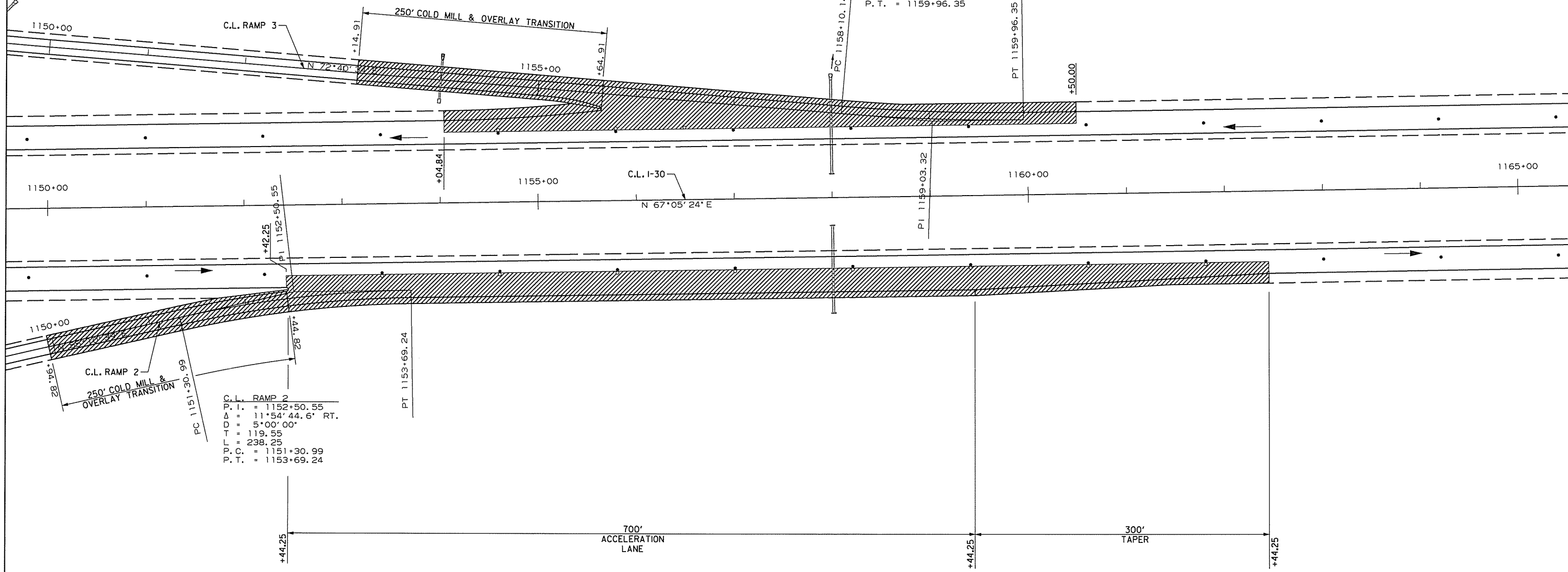


11-15-2013

NOTE:  
AT THE BEGINNING OF STAGE 4, THE WEIGH STATION SHALL BE CLOSED, AND THE GORE AND ACCELERATION LANE AREAS SHOWN BELOW SHALL BE PAVED WITH SURFACE COURSE.



C.L. RAMP 3  
P.I. = 1159+03.32  
Δ = 5°35'10.8" LT.  
D = 3°00'00"  
T = 93.18  
PT = 1159+96.35  
P.C. = 1158+10.14  
P.T. = 1159+96.35



C.L. RAMP 2  
P.I. = 1152+50.55  
Δ = 11°54'44.6" RT.  
D = 5°00'00"  
T = 119.55  
PT = 1153+69.24  
P.C. = 1151+30.99  
P.T. = 1153+69.24

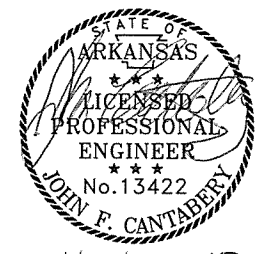
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MAINTENANCE OF TRAFFIC  
STAGE 4A - WEIGH STATION CLOSED  
(OUTSIDE LANES CLOSED)

sodonaldson 11/14/2013 2:26:31 PM  
WORKSPACE: AHTD  
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REVISED DATE:

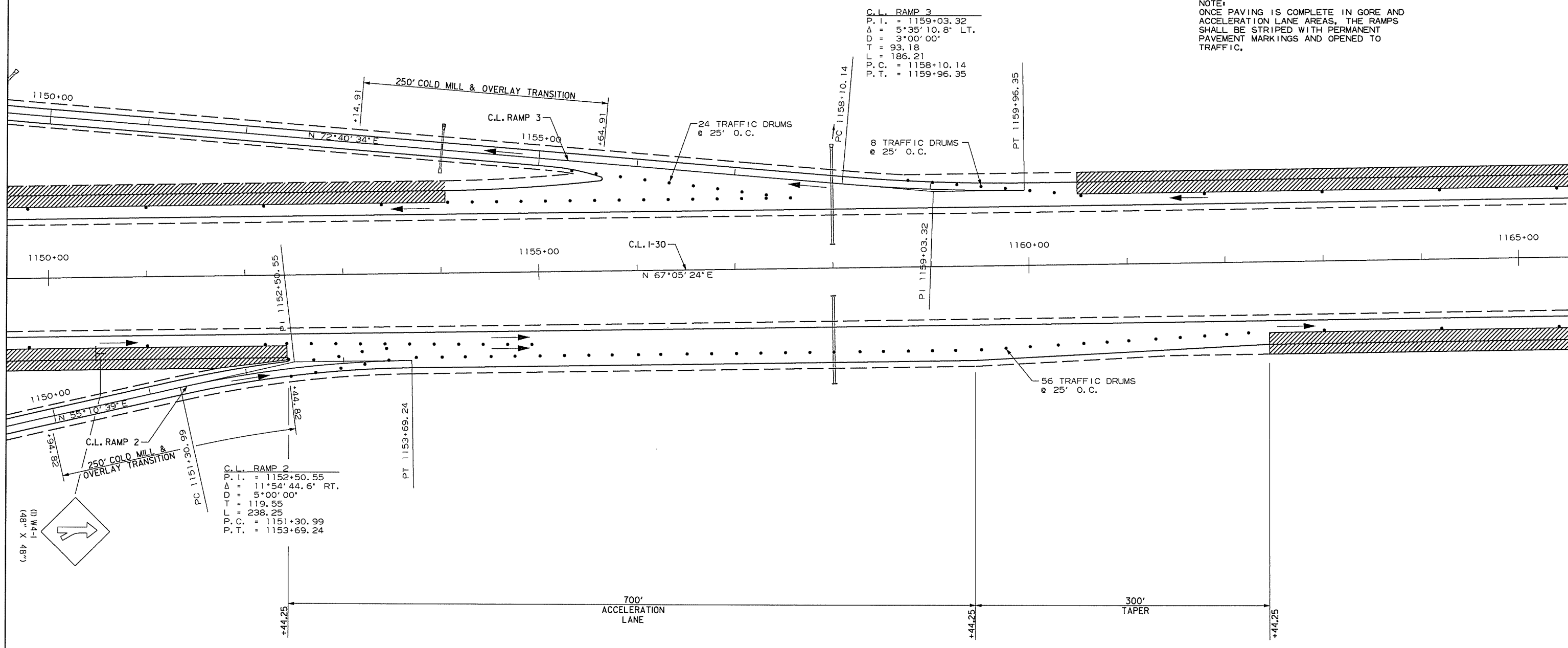
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	BB0306		101	148

② MAINTENANCE OF TRAFFIC



11-15-2013

NOTE:  
ONCE PAVING IS COMPLETE IN GORE AND ACCELERATION LANE AREAS, THE RAMPS SHALL BE STRIPED WITH PERMANENT PAVEMENT MARKINGS AND OPENED TO TRAFFIC.

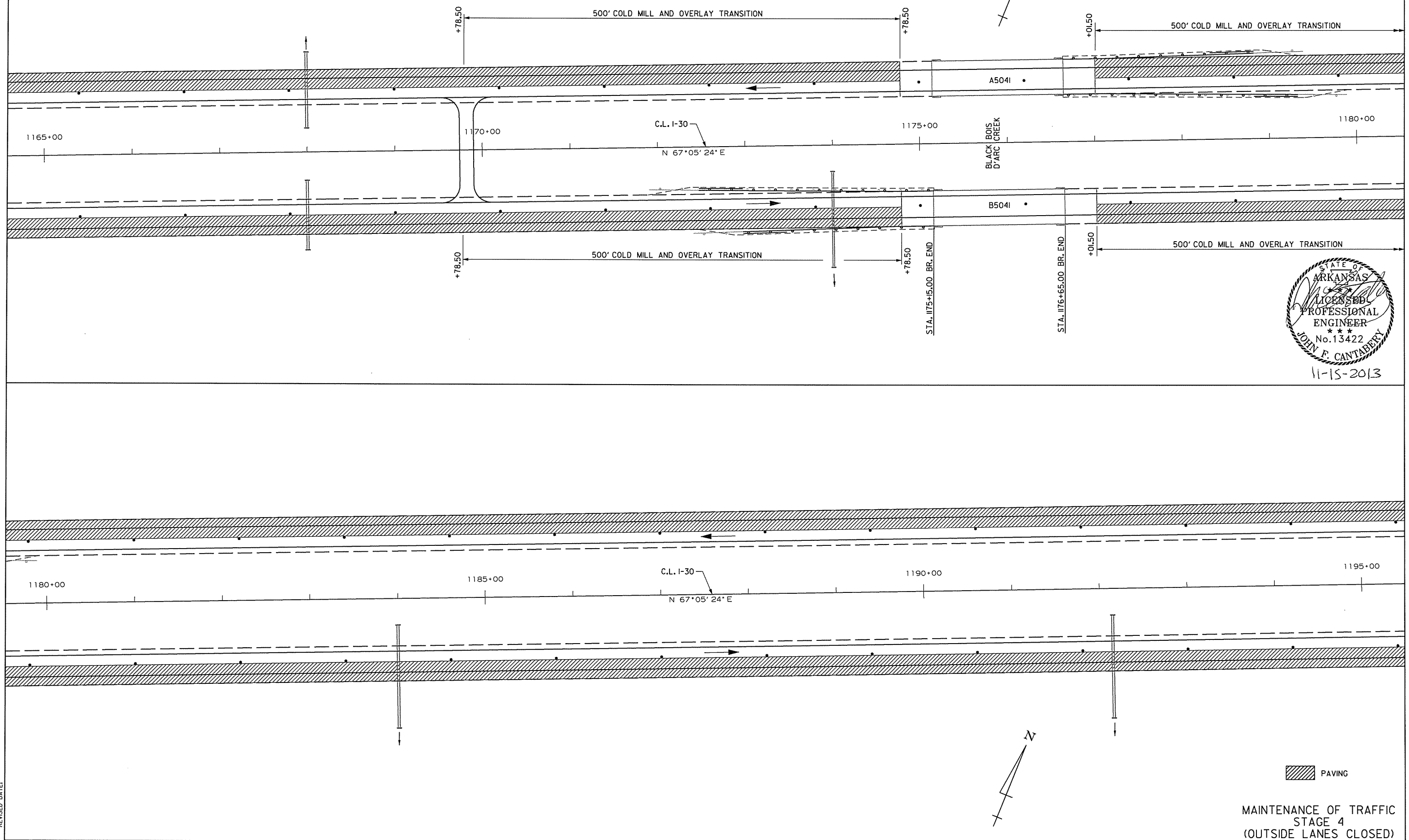


sedonaldson 11/14/2013 2:26:31 PM  
WORKSPACE: AHTD  
L:\2011\1017701 - I-30 Rehabilitation Projects\Drawings\130\_MOT\_ST4\_08a.dgn  
REVISED DATE:

MAINTENANCE OF TRAFFIC  
STAGE 4B - WEIGH STATION OPEN  
(OUTSIDE LANES CLOSED)

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A5041 - LT. EDGE LINE = 223 LIN. FT.  
 EXISTING BRIDGE B5041 - RT. EDGE LINE = 223 LIN. FT.

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. BB0306	102	148
② MAINTENANCE OF TRAFFIC									

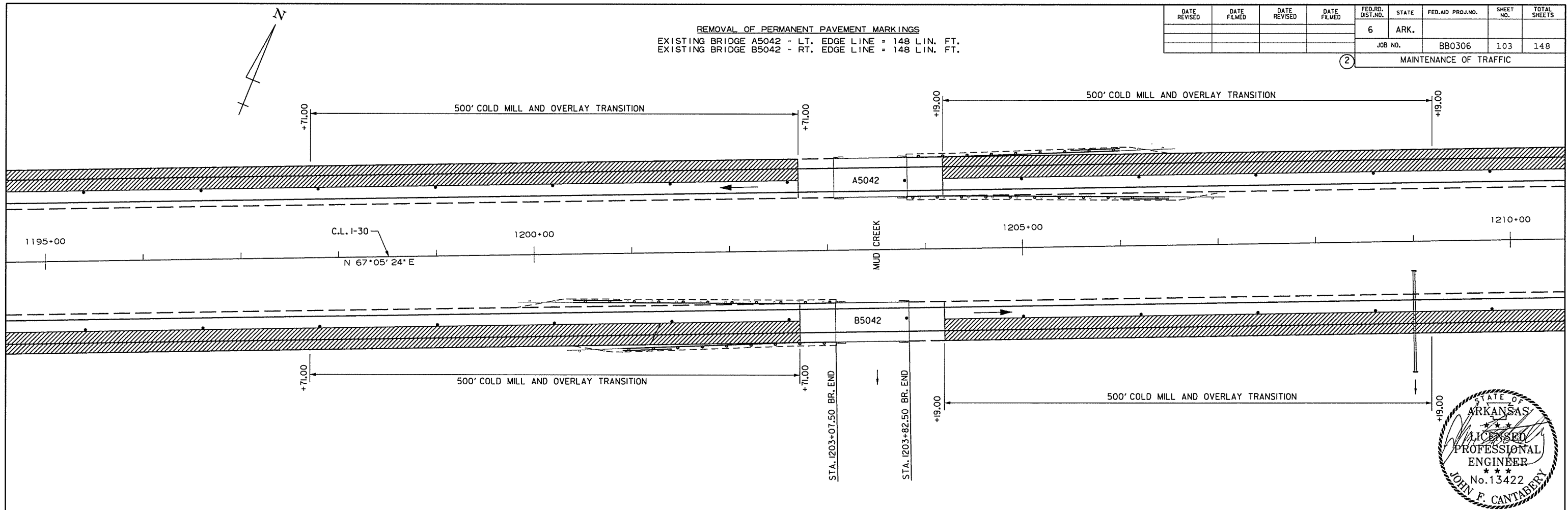


sedonaldson 11/14/2013 2:26:31 PM  
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 REVISED DATE:

MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

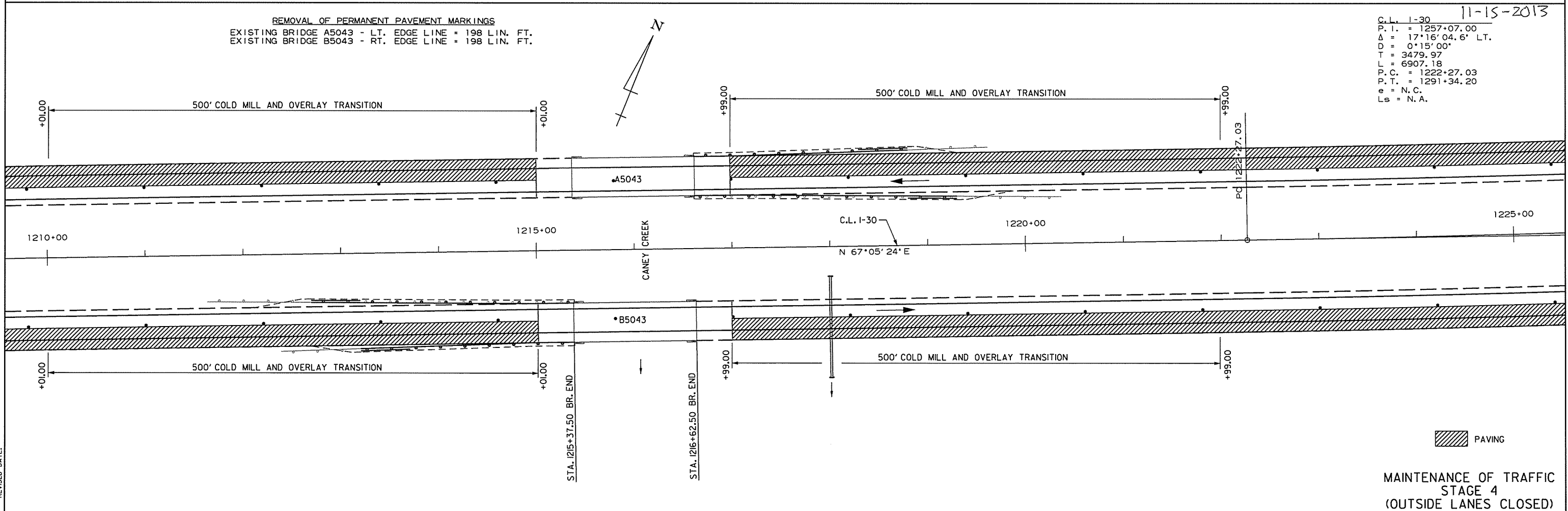
DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. BB0306	103	148
② MAINTENANCE OF TRAFFIC								

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A5042 - LT. EDGE LINE = 148 LIN. FT.  
 EXISTING BRIDGE B5042 - RT. EDGE LINE = 148 LIN. FT.



REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A5043 - LT. EDGE LINE = 198 LIN. FT.  
 EXISTING BRIDGE B5043 - RT. EDGE LINE = 198 LIN. FT.

11-15-2013  
 C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

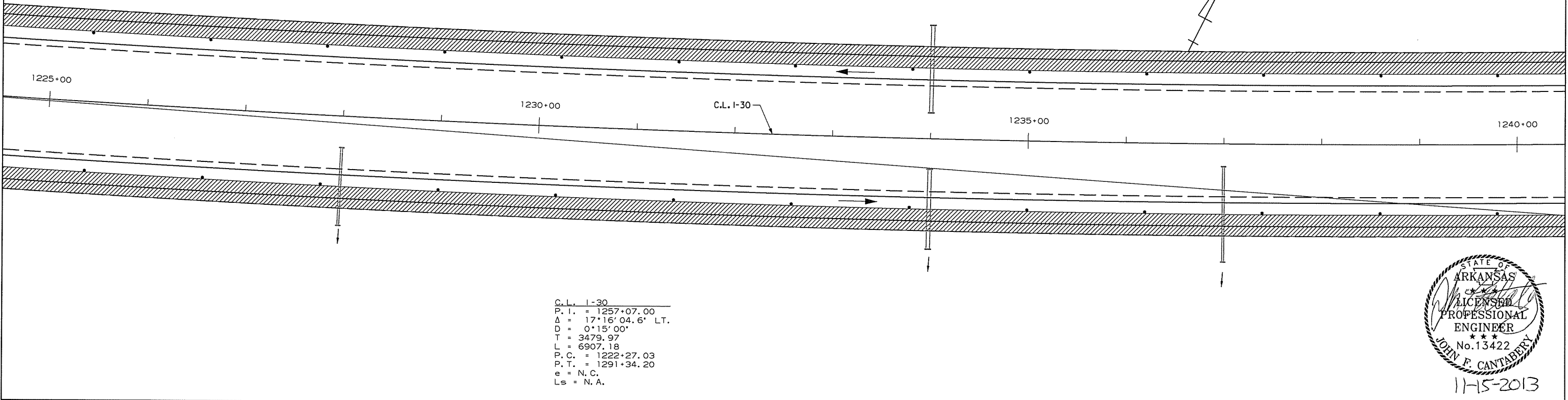


MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

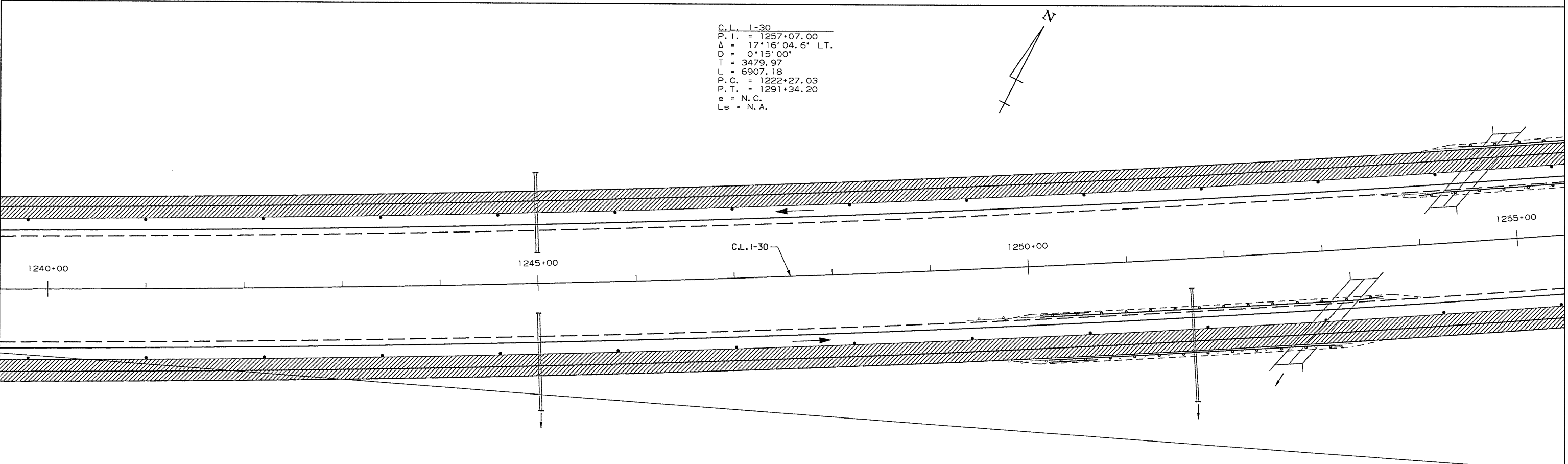
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 REVISED DATE:

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.	BBO306	104	148	

② MAINTENANCE OF TRAFFIC



C.L. I-30  
 P. I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P. C. = 1222+27.03  
 P. T. = 1291+34.20  
 e = N. C.  
 Ls = N. A.



C.L. I-30  
 P. I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 D = 0'15"00"  
 T = 3479.97  
 L = 6907.18  
 P. C. = 1222+27.03  
 P. T. = 1291+34.20  
 e = N. C.  
 Ls = N. A.

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MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

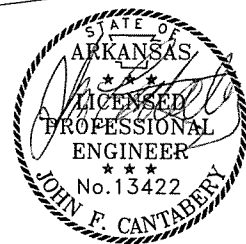
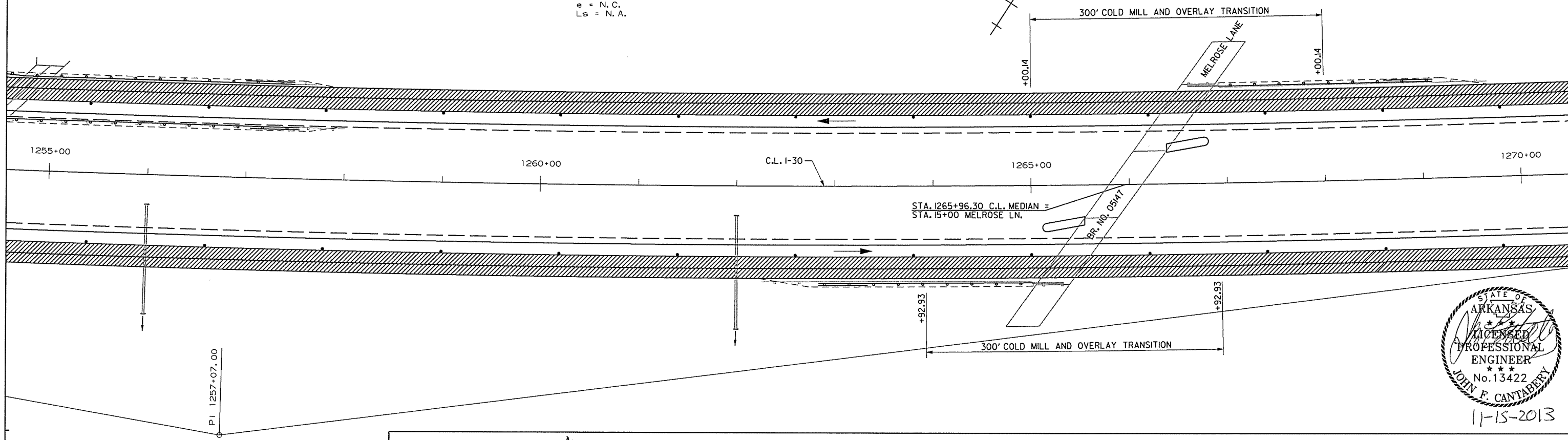
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 REVISED DATE:



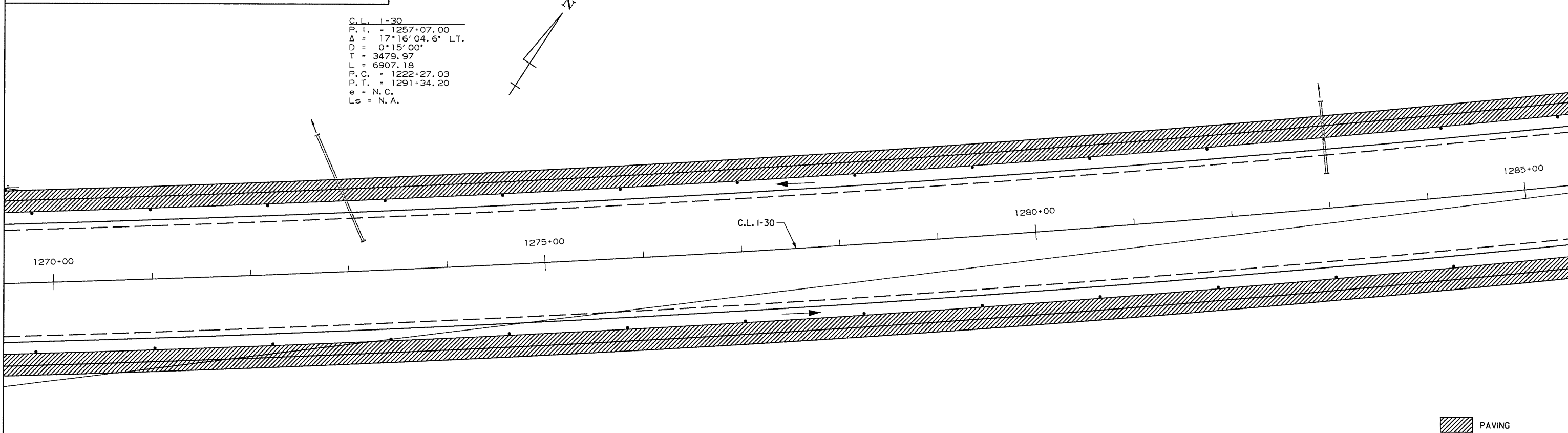
C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $Ls = N.A.$

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.	BB0306		105	148

② MAINTENANCE OF TRAFFIC



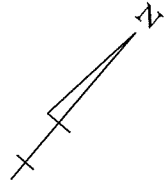
C.L. I-30  
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 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $Ls = N.A.$



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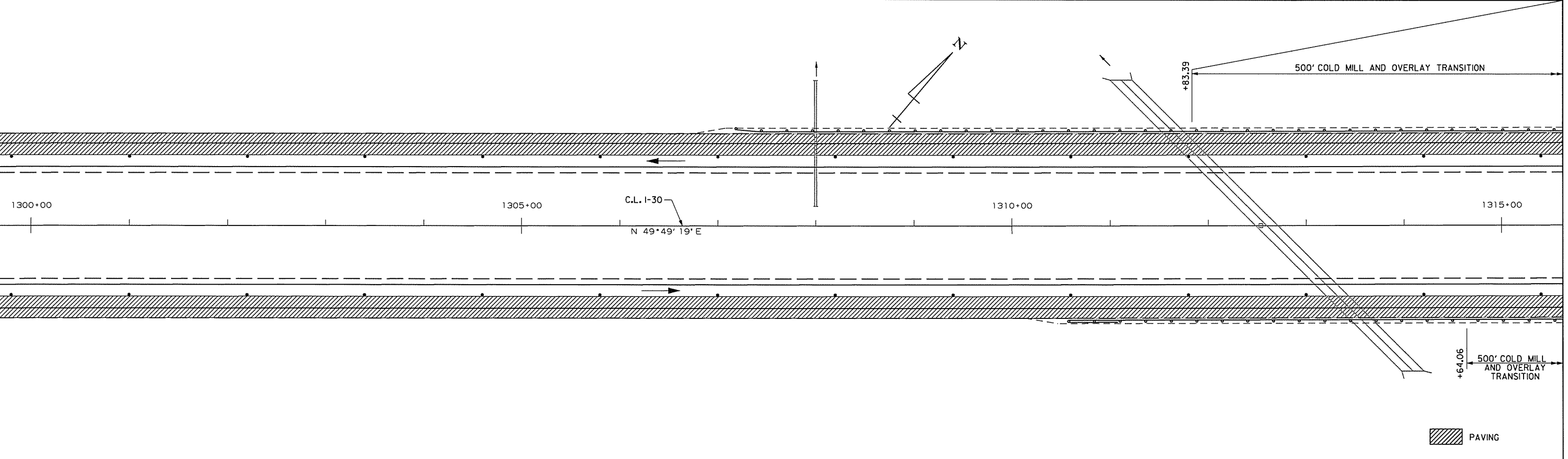
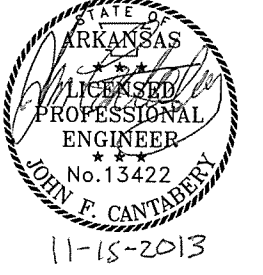
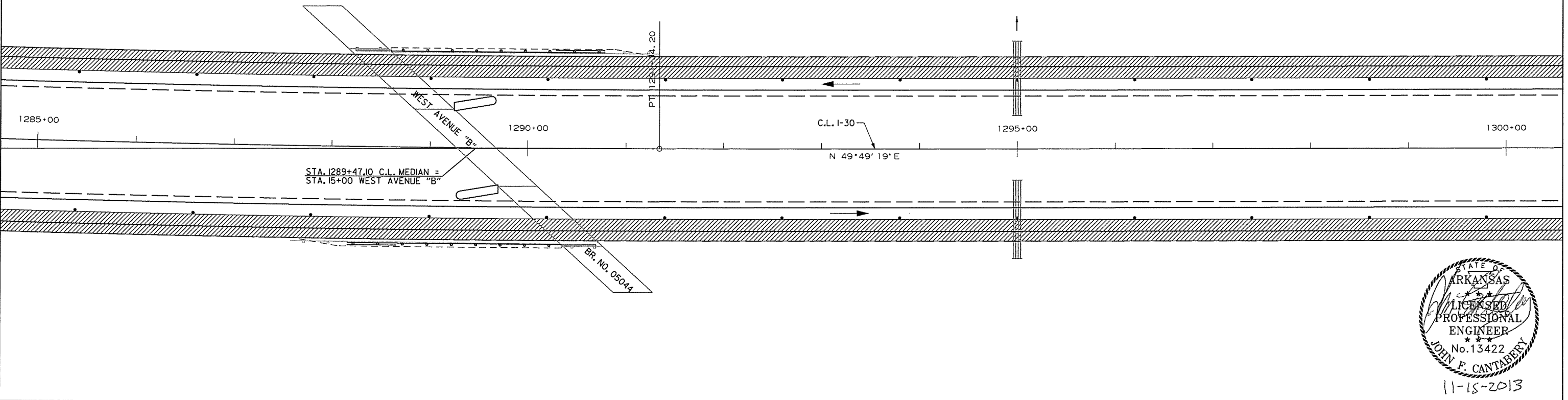
MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

11/14/2013 2:26:32 PM  
 WORKSPACE: AHTD  
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 REVISION DATE:



C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17^{\circ}16'04.6''$  LT.  
 $D = 0^{\circ}15'00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 $e = N.C.$   
 $L_s = N.A.$

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.	BB0306		106	148
				② MAINTENANCE OF TRAFFIC				



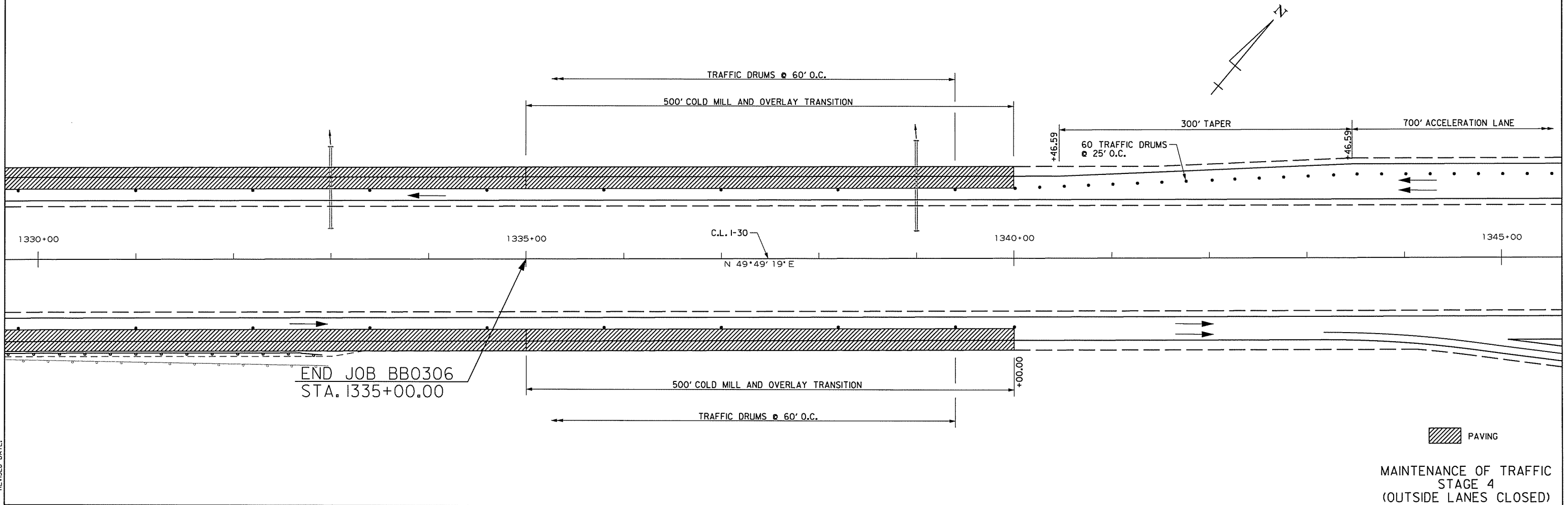
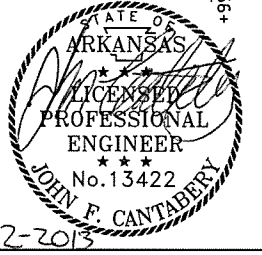
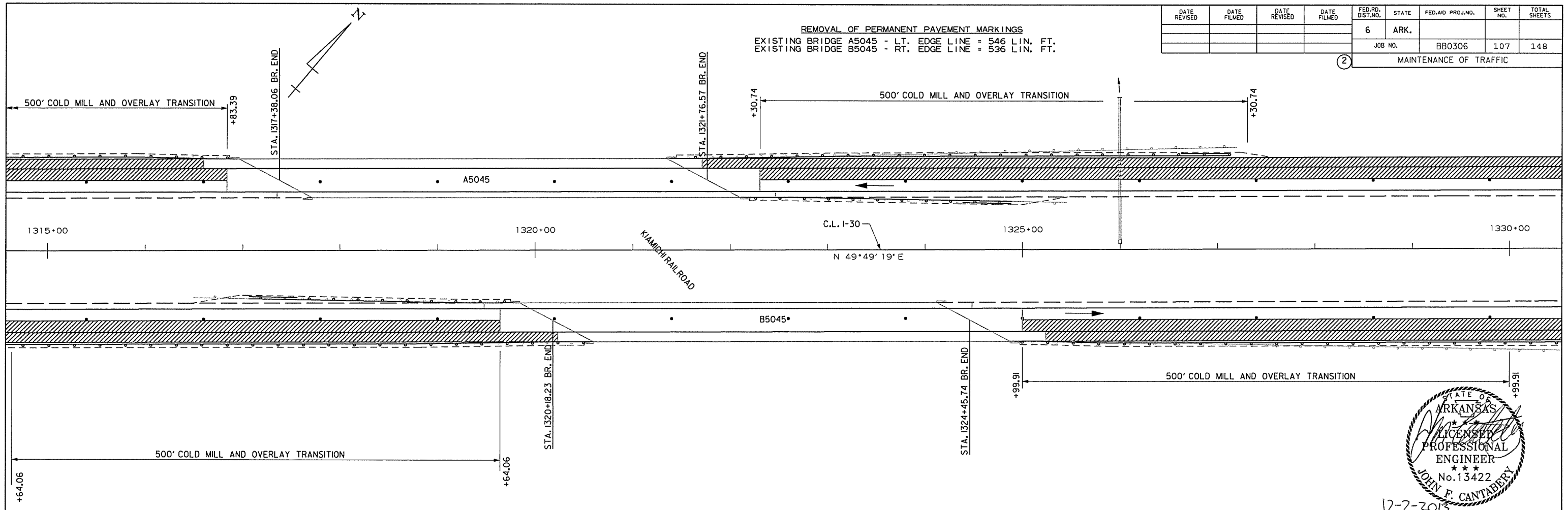
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MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

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 WORKSPACE: AHTD  
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 REVISED DATE:

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.	BBO306	107
						MAINTENANCE OF TRAFFIC		

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 EXISTING BRIDGE A5045 - LT. EDGE LINE = 546 LIN. FT.  
 EXISTING BRIDGE B5045 - RT. EDGE LINE = 536 LIN. FT.



MAINTENANCE OF TRAFFIC  
 STAGE 4  
 (OUTSIDE LANES CLOSED)

12/2/2013 12:29:43 PM  
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 WORKSPACE: AHTD  
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 REVISED DATE:

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.	BB0306	108
						TOTAL SHEETS		

② MAINTENANCE OF TRAFFIC

NOTE: SEE MAINTENANCE OF TRAFFIC LANE CLOSURE SHEET FOR SIGNS AND TRAFFIC CONTROL DEVICES, WITH MODIFICATIONS AS SHOWN FOR ENTRANCE RAMP.



(2) W20-1  
(48" X 48")

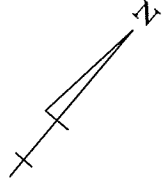
700' ACCELERATION LANE

60 TRAFFIC DRUMS @ 25' O.C.

MATCH LINE A

46.59

500' BUFFER  
TRAFFIC DRUMS @ 100' O.C.



1345+00

1350+00

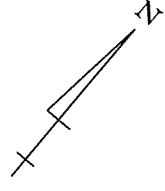
C. L. 1-30

1355+00

1360+00



12-2-2013



1360+00

1365+00

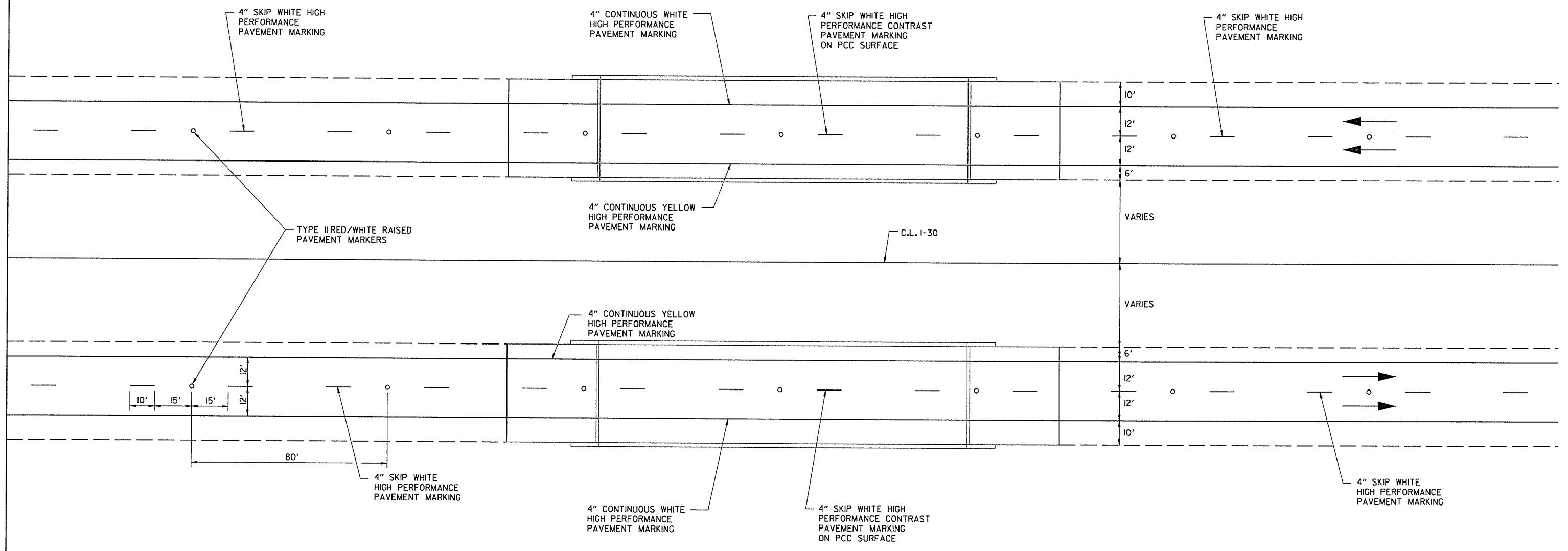
1370+00

sedonaidson 12/2/2013 12:29:43 PM  
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 REVISED DATE:

MAINTENANCE OF TRAFFIC  
STAGE 4  
(OUTSIDE LANES CLOSED)

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.	BB0306	109	148	

② PERMANENT PAVEMENT MARKING



NOTE:  
SEE STANDARD DRAWING PM-2 FOR ENTRANCE AND EXIT RAMP STRIPING DETAILS.

PERMANENT PAVEMENT MARKING

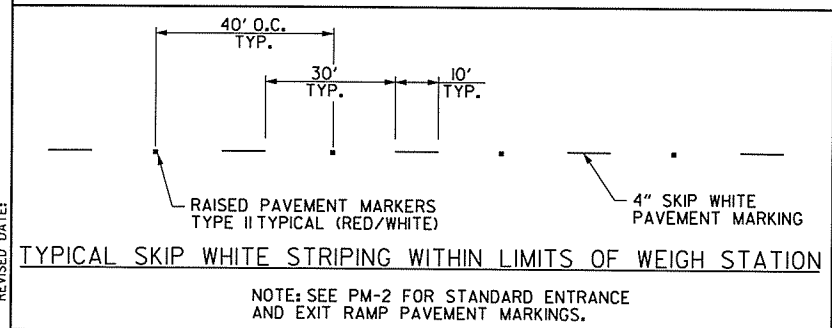
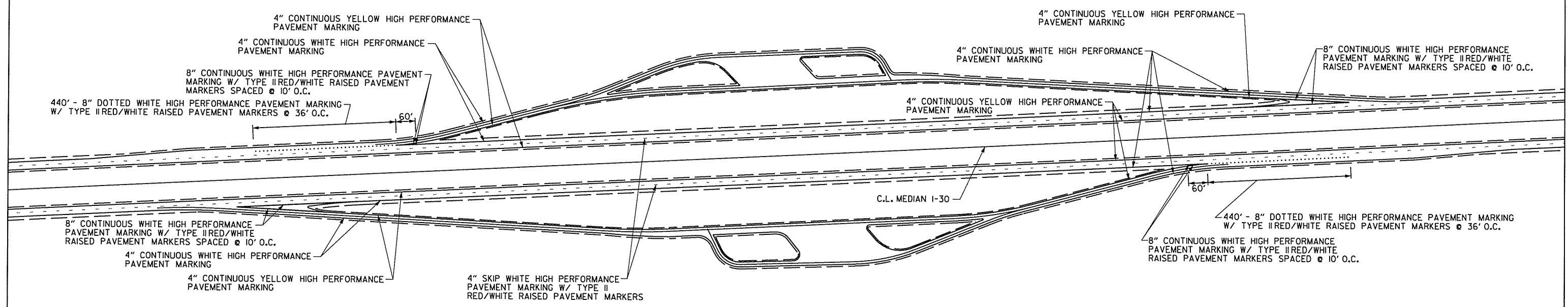
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	BB0306	110	148	

② PERMANENT PAVEMENT MARKING



11-15-2013



PERMANENT PAVEMENT MARKING

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DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1-2-14				6	ARK.			
				JOB NO.		BB0306	111	148

TEMPORARY EROSION CONTROL							
LOCATION	SAND BAG DITCH CHECKS (E-5)	ROCK DITCH CHECK (E-6)	DROP INLET SILT FENCE (E-7)	SEDIMENT REMOVAL & DISPOSAL	TEMPORARY SEEDING	MULCH COVER	WATER
	BAG	CU. YD.	LIN. FT.	CU. YD.	ACRE	ACRE	M.G.
STA. 959+00 TO STA. 1335+00	4640	2850	100		54.74	54.74	1116.7
* ENTIRE PROJECT				1000			
TOTALS	4640	2850	100	1000	54.74	54.74	1116.7

BASIS OF ESTIMATE:  
 SAND BAG DITCH CHECKS = 20 BAGS / LOCATION  
 ROCK DITCH CHECKS = 15 CU. YD. / LOCATION  
 WATER = 20.4 M.G. PER ACRE TEMPORARY SEEDING

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

\*QUANTITIES ARE ESTIMATED. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.

EROSION CONTROL					
LOCATION	LIME	SEEDING	MULCH COVER	SECOND SEEDING	WATER
	TON	ACRE	ACRE	ACRE	M.G.
I-30 EASTBOUND LANES	54.74	27.37	27.37	27.37	2791.7
I-30 WESTBOUND LANES	54.74	27.37	27.37	27.37	2791.7
TOTALS	109.48	54.74	54.74	54.74	5583.4

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

CLEARING AND GRUBBING					
STATION	STATION	LOCATION	CLEARING STA.	GRUBBING STA.	
959+00	1335+00	I-30	376	376	
TOTALS			376	376	

NOTE: THE CONTRACTOR SHALL PROVIDE CLEARING AND GRUBBING THROUGHOUT THE PROJECT CORRIDOR TO RESTORE A 30' CLEAR ZONE MEASURED FROM THE EDGE OF LANE. THE STATION LIMITS ARE ESTIMATED. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.

QUANTITIES



1-2-2014

REMOVAL OF PERMANENT PAVEMENT MARKINGS	
LOCATION	L.F.
I-30 BRIDGES AND APPROACH SLABS	6834
TOTAL	6834

ADVANCE WARNING SIGNS AND DEVICES														
SIGN NUMBER	DESCRIPTION	SIGN SIZE	STAGE 1	STAGE 2	STAGE 3	STAGE 4	MAX. NUMBER	TOTAL REQUIRED	ADVANCE WARNING ARROW PANEL	MOBILE SPEED NOTIFICATION SYSTEM	PORTABLE CHANGEABLE MESSAGE SIGN	* PORTABLE CHANGEABLE MESSAGE SIGN (TRUCK MOUNTED)	TRAFFIC DRUMS	TEMPORARY PORTABLE RUMBLE STRIPS
		IN.	EACH	EACH	EACH	EACH	REQ'D.	SQ. FT.	DAY	EACH	WEEK	WEEK	EACH	EACH
G20-1	ROAD WORK NEXT 7 MILES	60" X 24"	2	2	2	2	2	20.00						
G20-2	END ROAD WORK	48" X 24"	4	4	4	4	4	32.00						
R2-1	SPEED LIMIT 60	48" X 60"	4	4	4	4	4	80.00						
R2-1	SPEED LIMIT 70	48" X 60"	4	4	4	4	4	80.00						
R2-2	TRUCKS 65	48" X 48"	4	4	4	4	4	64.00						
R2-5A	REDUCED SPEED AHEAD	48" X 60"	4	4	4	4	4	80.00						
R4-1	DO NOT PASS	48" X 60"	8	8	8	8	8	160.00						
R5-1	FINES DOUBLE IN WORK ZONES	36" X 60"	8	8	8	8	8	120.00						
W1-6	ONE DIRECTIONAL LARGE ARROW	60" X 30"	12	6	12	6	12	150.00						
W4-1	MERGE	48" X 48"		2		2	2	32.00						
W4-2R	RIGHT LANE ENDS	48" X 48"	4	4	4	4	4	64.00						
W20-1	ROAD WORK AHEAD	48" X 48"	6	6	6	6	6	96.00						
W20-1	ROAD WORK 1500 FT	48" X 48"	4	4	4	4	4	64.00						
W20-1	ROAD WORK 1/2 MILE	48" X 48"	4	4	4	4	4	64.00						
W20-1	ROAD WORK 1 MILE	48" X 48"	4	4	4	4	4	64.00						
W20-5R	RIGHT LANE CLOSED 1500 FT	48" X 48"	4	4	4	4	4	64.00						
W20-5R	RIGHT LANE CLOSED 1/2 MILE	48" X 48"	4	4	4	4	4	64.00						
W20-5R	RIGHT LANE CLOSED 1 MILE	48" X 48"	4	4	4	4	4	64.00						
SPECIAL	MERGE NOW	48" X 48"	2	2	2	2	2	32.00						
TEMPORARY PORTABLE RUMBLE STRIPS				24	24	24	24							24
ADVANCE WARNING ARROW PANEL				2	2	2	2		270					
MOBILE SPEED NOTIFICATION SYSTEM				2	2	2	2			2				
PORTABLE CHANGEABLE MESSAGE SIGN				6	6	6	6				72			
PORTABLE CHANGEABLE MESSAGE SIGN (TRUCK MOUNTED)				2	2	2	2					24		
TRAFFIC DRUMS				1448	1605	1448	1605						1605	
TOTALS								1394.00	270	2	72	24	1605	24

NOTE: THIS IS A HIGH VOLUME ROAD AS DEFINED IN SECTION 604.03 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2003.

NOTE: THE QUANTITY OF TRAFFIC DRUMS PROVIDED IS FOR BOTH SIDES OF THE ROADWAY FOR THE FULL LENGTH OF THE WORK AREA. HOWEVER, THE INSTALLATION OF TRAFFIC DRUMS SHALL NEVER EXCEED THE ACTUAL WORK AREA BY MORE THAN 1/4 MILE UNLESS APPROVED BY THE ENGINEER.

\* WHEN INTERSTATE LANE CLOSURES ARE PERFORMED, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN (TRUCK MOUNTED) FOR EACH TRAVELING DIRECTION IN WHICH LANES ARE CLOSED. THE UNIT IS TO BE POSITIONED ON THE SHOULDER UPSTREAM FROM THE END OF THE QUEUE AT ALL TIMES, BUT NO FURTHER THAN 1/2 MILE FROM THE QUEUE.

PERMANENT PAVEMENT MARKINGS							
DESCRIPTION	UNIT	I-30	RAMP 1	RAMP 2	RAMP 3	RAMP 4	TOTALS
HIGH PERFORMANCE PAVEMENT MARKING YELLOW (4")	L.F.	77200		190		190	77580
HIGH PERFORMANCE PAVEMENT MARKING WHITE (4")	L.F.	95110	250	250	250	250	96110
HIGH PERFORMANCE PAVEMENT MARKING WHITE (8")	L.F.	870	250	190	250	190	1750
HIGH PERFORMANCE CONTRAST PAVEMENT MARKING WHITE (4")	L.F.	525					525
RAISED PAVEMENT MARKERS (TYPE II)	EACH	1074	63	38	63	38	1276

NOTE: THIS IS A HIGH VOLUME ROAD AS DEFINED IN SECTION 604.03 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2003

CONCRETE DITCH PAVING						
STATION	STATION	LOCATION	LENGTH FEET	CONCRETE DITCH PAVING (TYPE B)		WATER M.G.
				"W" SQ. YD.	SOLID SODDING SQ. YD.	
1126+33	1127+31	RT. OF RIGH MAIN LANE	98	6	65	29
TOTALS				65	29	0.4

BASIS OF ESTIMATE:  
 WATER = 12.6 GALS. PER SQ. YD. SOLID SODDING

ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC		
LOCATION	ASPHALT CONCRETE	TACK COAT
	TON	GAL.
* ENTIRE PROJECT	178	356
TOTALS	178	356

\* QUANTITY ESTIMATED. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.

BASIS OF ESTIMATE:  
 ASPHALT CONCRETE = 25 TONS PER MILE  
 TACK COAT = 50 GAL. PER MILE

SOIL STABILIZATION	
LOCATION	TON
* ENTIRE PROJECT	500
TOTAL	500

\* QUANTITY ESTIMATED. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS.

QUANTITIES

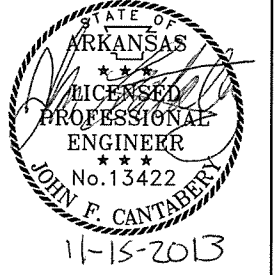
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				6	ARK.			
				JOB NO.	BB0306	113	148	

2 QUANTITIES



BASE & SURFACING (GUARDRAIL WIDENING)															
STATION	STATION	LOCATION	LENGTH FEET	AVG. WIDTH FEET	SQUARE YARDS	ACHM SURFACE COURSE (1/2")		ACHM BINDER COURSE (1")		AGGREGATE BASE COURSE (CLASS 1)		AGGREGATE BASE COURSE (CLASS 7)		TACK COAT	
						LBS. PER SQ. YD.	TON	LBS. PER SQ. YD.	TON	TONS PER STATION	TON	TONS PER STATION	TON	0.03 G/SY GAL.	0.10 G/SY GAL.
						976+55.04	980+64.66	GUARDRAIL WIDENING INSIDE SHOULDER RT. MAIN LANES	409.62	VAR.	231.94	220	26	330	38
					TOTALS	9543.47		1054	1575	477		1457	285	581	

BASIS OF ESTIMATE:  
 ACHM SURFACE COURSE (1/2") : 5.2% ASPHALT BINDER (PG 76-22), 94.8% MINERAL AGGREGATE, N<sub>MAX</sub>=205  
 ACHM BINDER COURSE (1") : 4.4% ASPHALT BINDER (PG 76-22), 95.6% MINERAL AGGREGATE, N<sub>MAX</sub>=205

COLD MILLING ASPHALT PAVEMENT				
STATION	STATION	LOCATION	WIDTH FEET	SQ. YD.
954+00.00	956+00.00	LT. LANES I-30	38	844
1153+14.91	1154+14.91	RAMP 3	25	278
TOTAL				24142

\* COLD MILLING OF CONCRETE PAVEMENT AT RAMPS WILL BE AT NO ADDITIONAL COST AND WILL BE MEASURED AND PAID FOR AS "COLD MILLING ASPHALT PAVEMENT."

ACHM PATCHING OF EXISTING ROADWAY	
LOCATION	TON
* ENTIRE PROJECT	400
TOTAL	400

\* QUANTITY ESTIMATED. TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.3 OF THE STANDARD SPECIFICATIONS.

PERFORMANCE GRADE OF BINDER FOR ACHM PATCHING SHALL MATCH MAIN LANES (PG 76-22).

QUANTITIES



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1-2-14				6	ARK.			
						JOB NO. BB0306	115	148

**SUMMARY OF QUANTITIES**

ITEM NUMBER	ITEM	QUANTITY	UNIT
201	CLEARING	376	STA.
201	GRUBBING	376	STA.
202	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT	36	SQ. YD.
SP & 202	REMOVAL AND DISPOSAL OF GUARDRAIL	16325	L.F.
202	REMOVAL AND DISPOSAL OF IMPACT ATTENUATION BARRIER	6	EACH
202	REMOVAL AND DISPOSAL OF PIER PROTECTION	324	L.F.
202	REMOVAL AND DISPOSAL OF PIPE UNDERDRAINS	12700	L.F.
202	REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS	41	EACH
210	UNCLASSIFIED EXCAVATION	142137	CU. YD.
SP & 210	COMPACTED EMBANKMENT	16092	CU. YD.
SP & 210	SOIL STABILIZATION	500	TON
302	SELECTED MATERIAL (CLASS SM-3)	86594	CU. YD.
SS & 303	AGGREGATE BASE COURSE (CLASS 1)	20114	TON
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	84272	TON
401	TACK COAT	37594	GAL.
SP, SS & 406	MINERAL AGGREGATE IN ACHM BINDER COURSE (1")	42650	TON
SP, SS & 406	ASPHALT BINDER (PG 76-22) IN ACHM BINDER COURSE (1")	1963	TON
SP, SS & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	39097	TON
SP, SS & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (1/2")	2145	TON
412	COLD MILLING ASPHALT PAVEMENT	24142	SQ. YD.
SP, SS & 414	ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	178	TON
SP, SS & 415	ACHM PATCHING OF EXISTING ROADWAY	400	TON
601	MOBILIZATION	1.00	L.S.
SP & 602	FURNISHING FIELD OFFICE	1	EACH
SP, SS & 603	MAINTENANCE OF TRAFFIC	1.00	L.S.
603	TRAFFIC CONTROL SUPERVISOR	1.00	L.S.
SS & 604	SIGNS	1394	SQ. FT.
SS & 604	TRAFFIC DRUMS	1605	EACH
SS & 604	CONSTRUCTION PAVEMENT MARKINGS	295312	L.F.
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS	6834	L.F.
SS & 604	ADVANCE WARNING ARROW PANEL	270	DAY
SP, SS & 604	PORTABLE CHANGEABLE MESSAGE SIGN	72	WEEK
SP, SS & 604	PORTABLE CHANGEABLE MESSAGE SIGN (TRUCK MOUNTED)	24	WEEK
SP	MOBILE SPEED NOTIFICATION SYSTEM	2	EACH
SP	TEMPORARY PORTABLE RUMBLE STRIPS	24	EACH
605	CONCRETE DITCH PAVING (TYPE B)	65	SQ. YD.
611	4" PIPE UNDERDRAINS	12700	L.F.
611	UNDERDRAIN OUTLET PROTECTORS	41	EACH
SS & 617	GUARDRAIL (TYPE A)	11100	L.F.
SS & 617	TERMINAL ANCHOR POSTS (TYPE 1)	14	EACH
SS & 617	THREE BEAM GUARDRAIL TERMINAL	32	EACH
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	42	EACH
620	LIME	109	TON
620	SEEDING	54.74	ACRE
SS & 620	MULCH COVER	109.48	ACRE
SS & 620	WATER	6700.5	M.G.
621	TEMPORARY SEEDING	54.74	ACRE
621	SAND BAG DITCH CHECKS	4640	BAG
621	DROP INLET SILT FENCE	100	L.F.
621	ROCK DITCH CHECKS	2850	CU. YD.
621	SEDIMENT REMOVAL AND DISPOSAL	1000	CU. YD.
623	SECOND SEEDING APPLICATION	54.74	ACRE
624	SOLID SODDING	29	SQ. YD.
631	CONCRETE BARRIER WALL (PIER PROTECTION TYPE A)	324	L.F.
635	ROADWAY CONSTRUCTION CONTROL	1.00	L.S.
642	RUMBLE STRIPS IN ASPHALT SHOULDERS	148326	L.F.
SP & 719	INVERTED PROFILE THERMOPLASTIC PAVEMENT MARKING WHITE (4") (ALTERNATE NO. 1)	96110	L.F.
SP	HIGH PERFORMANCE MARKING TAPE WHITE (4") (ALTERNATE NO. 2)	96110	L.F.
SP & 719	INVERTED PROFILE THERMOPLASTIC PAVEMENT MARKING YELLOW (4") (ALTERNATE NO. 1)	77580	L.F.
SP	HIGH PERFORMANCE MARKING TAPE YELLOW (4") (ALTERNATE NO. 2)	77580	L.F.
SP & 719	INVERTED PROFILE THERMOPLASTIC PAVEMENT MARKING WHITE (8") (ALTERNATE NO. 1)	1750	L.F.
SP	HIGH PERFORMANCE MARKING TAPE WHITE (8") (ALTERNATE NO. 2)	1750	L.F.
SP & 719	INVERTED PROFILE THERMOPLASTIC CONTRAST PAVEMENT MARKING WHITE (4") (ALTERNATE NO. 1)	525	L.F.
SP	HIGH PERFORMANCE CONTRAST MARKING TAPE WHITE (4") (ALTERNATE NO. 2)	525	L.F.
721	RAISED PAVEMENT MARKERS (TYPE II)	1276	EACH
SS & 731	IMPACT ATTENUATION BARRIER (TYPE A)	6	EACH

\* DENOTES ALTERNATE BID ITEMS

**REVISIONS**

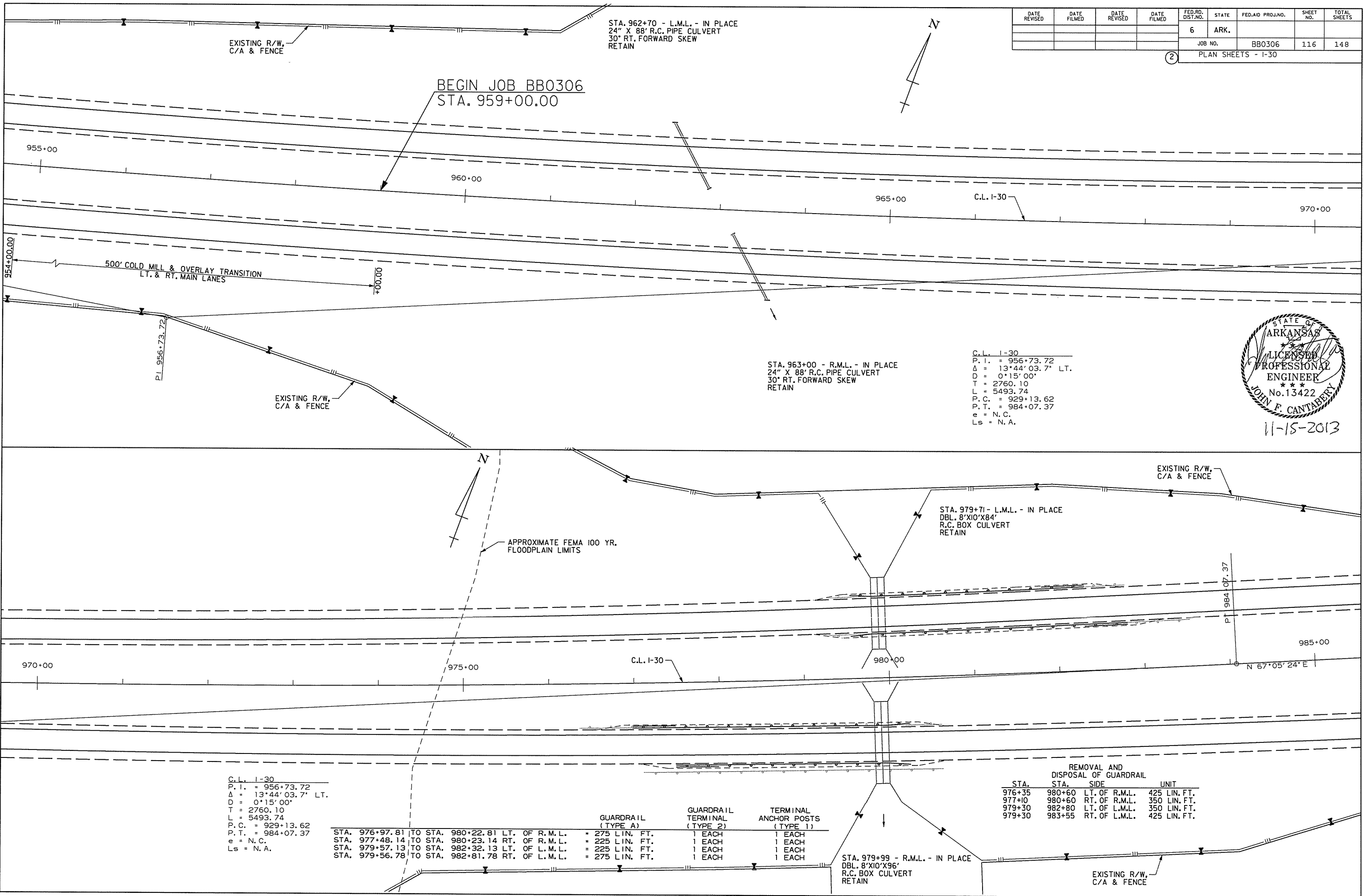
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1-2-14	REVISED TRAFFIC DRUM QUANTITIES AND TRAFFIC DRUM NOTE	111 & 115
1-2-14	ADDED MAINTENANCE OF TRAFFIC NOTE	41, 57, 75, 91, 115

② SUMMARY OF QUANTITIES AND REVISIONS



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.	BB0306		116	148

2 PLAN SHEETS - 1-30



11-15-2013

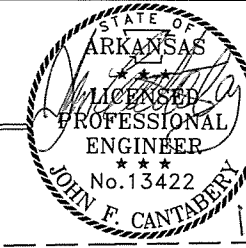
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P.C. = 929+13.62  
P.T. = 984+07.37  
e = N.C.  
Ls = N.A.

STA.	TO STA.	DESCRIPTION	QUANTITY	UNIT
976+97.81	TO STA. 980+22.81	LT. OF R.M.L.	275	LIN. FT.
977+48.14	TO STA. 980+23.14	RT. OF R.M.L.	225	LIN. FT.
979+57.13	TO STA. 982+32.13	LT. OF L.M.L.	225	LIN. FT.
979+56.78	TO STA. 982+81.78	RT. OF L.M.L.	275	LIN. FT.
		GUARDRAIL (TYPE A)	1 EACH	
		GUARDRAIL (TYPE 2)	1 EACH	
		TERMINAL ANCHOR POSTS (TYPE 1)	1 EACH	

STA.	TO STA.	SIDE	DESCRIPTION	UNIT
976+35	980+60	LT. OF R.M.L.	REMOVAL AND DISPOSAL OF GUARDRAIL	425 LIN. FT.
977+10	980+60	RT. OF R.M.L.		350 LIN. FT.
979+30	982+80	LT. OF L.M.L.		350 LIN. FT.
979+30	983+55	RT. OF L.M.L.		425 LIN. FT.

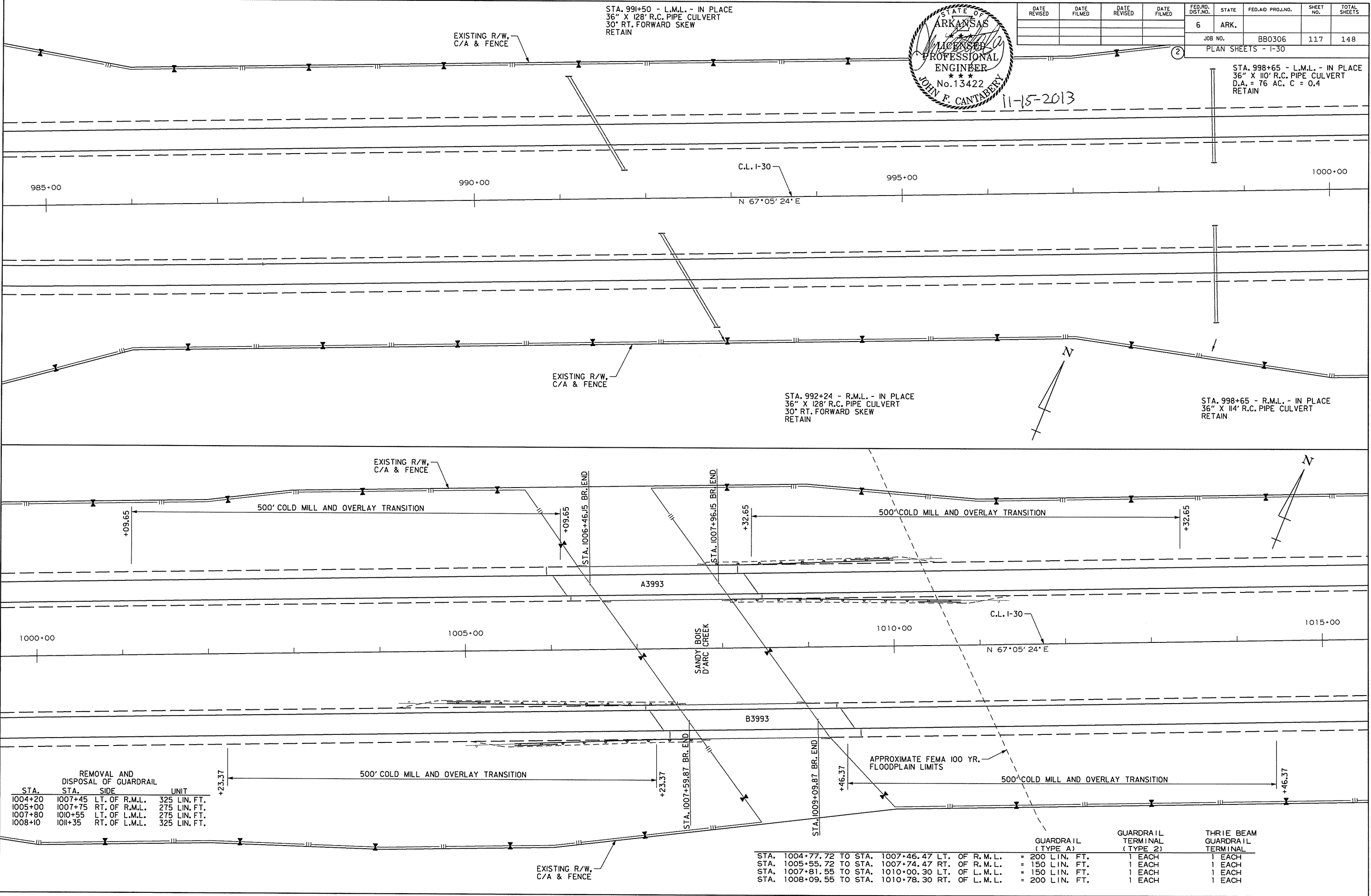
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STA. 991+50 - L.M.L. - IN PLACE  
 36" X 128' R.C. PIPE CULVERT  
 30° RT. FORWARD SKEW  
 RETAIN



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				6	ARK.		117	148
				JOB NO. BBO306		PLAN SHEETS - 1-30		

STA. 998+65 - L.M.L. - IN PLACE  
 36" X 110' R.C. PIPE CULVERT  
 D.A. = 76 AC. C = 0.4  
 RETAIN

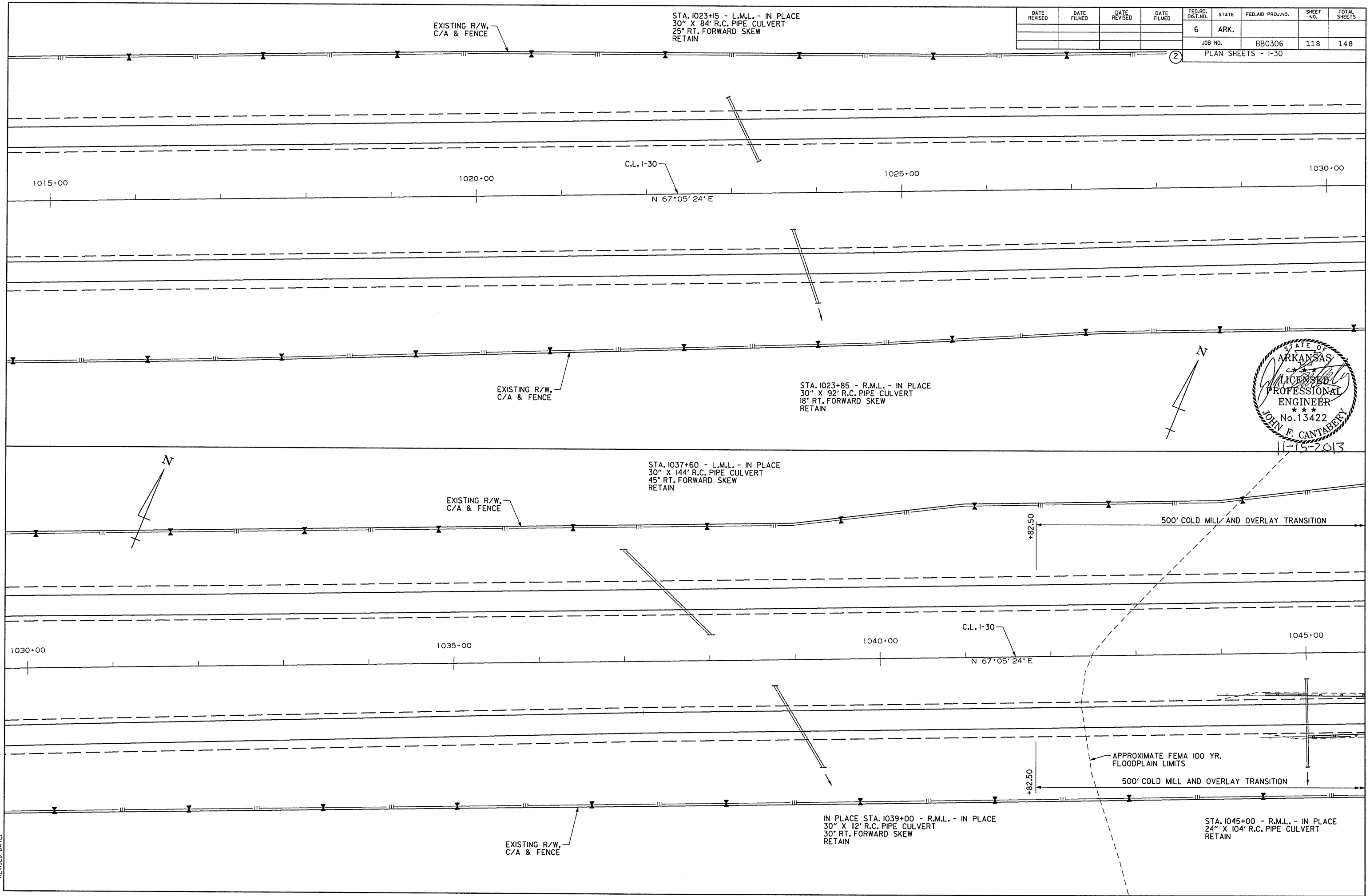


STA.	STA.	REMOVAL AND DISPOSAL OF GUARDRAIL SIDE	UNIT
1004+20	1007+45	LT. OF R.M.L.	325 LIN. FT.
1005+00	1007+75	RT. OF R.M.L.	275 LIN. FT.
1007+80	1010+55	LT. OF L.M.L.	275 LIN. FT.
1008+10	1011+35	RT. OF L.M.L.	325 LIN. FT.

STA.	STA.	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THRIE BEAM GUARDRAIL TERMINAL
1004+77.72	1007+46.47	LT. OF R.M.L. = 200 LIN. FT.	1 EACH	1 EACH
1005+55.72	1007+74.47	RT. OF R.M.L. = 150 LIN. FT.	1 EACH	1 EACH
1007+81.55	1010+00.30	LT. OF L.M.L. = 150 LIN. FT.	1 EACH	1 EACH
1008+09.55	1010+78.30	RT. OF L.M.L. = 200 LIN. FT.	1 EACH	1 EACH

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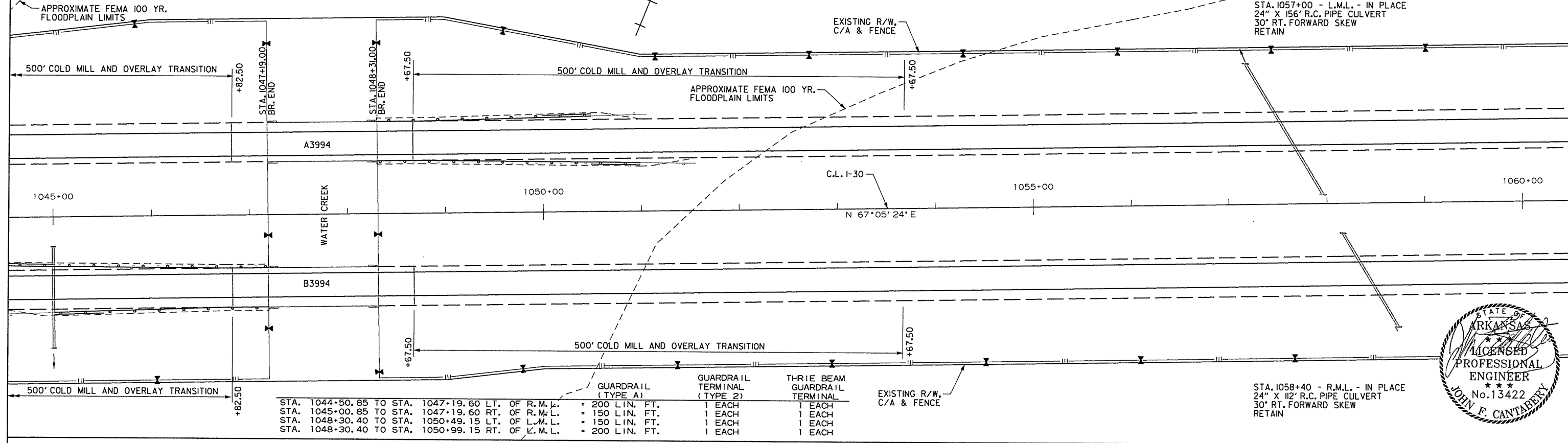
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JOB NO. BB0306							118	148
PLAN SHEETS - I-30								



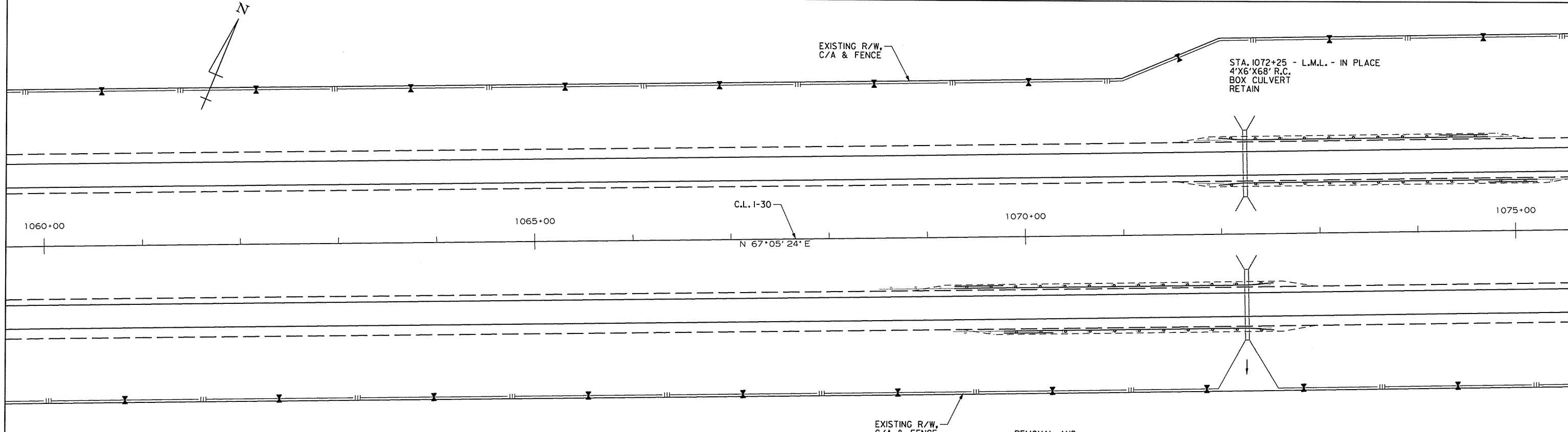
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				6	ARK.			
				JOB NO.	BB0306		119	148
PLAN SHEETS - I-30								

STA.	STA.	SIDE	UNIT
1043+94	1047+19	LT. OF R.M.L.	325 LIN. FT.
1044+44	1047+19	RT. OF R.M.L.	275 LIN. FT.
1048+31	1051+06	LT. OF L.M.L.	275 LIN. FT.
1048+31	1051+56	RT. OF L.M.L.	325 LIN. FT.



STA.	STA.	SIDE	UNIT	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL
1044+50.85	1047+19.60	LT. OF R.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH
1045+00.85	1047+19.60	RT. OF R.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1048+30.40	1050+49.15	LT. OF L.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1048+30.40	1050+99.15	RT. OF L.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH

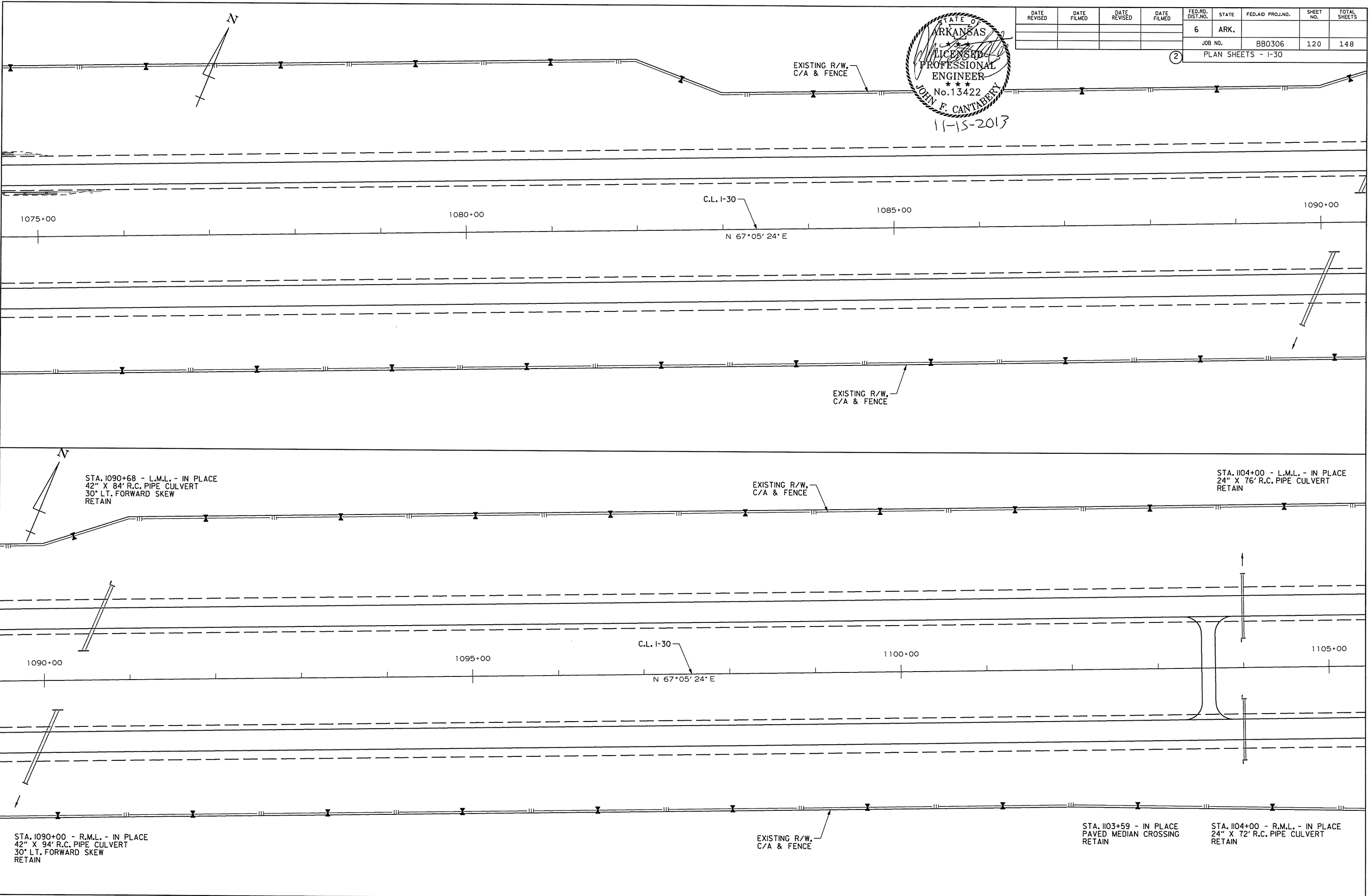


STA.	STA.	SIDE	UNIT	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POSTS (TYPE 1)	REMOVAL AND DISPOSAL OF GUARDRAIL
1069+27.00	1072+52.00	LT. OF R.M.L.	= 275 LIN. FT.	1 EACH	1 EACH	1 EACH	1068+50
1069+77.00	1072+52.00	RT. OF R.M.L.	= 225 LIN. FT.	1 EACH	1 EACH	1 EACH	1072+50
1071+98.00	1074+73.00	LT. OF L.M.L.	= 225 LIN. FT.	1 EACH	1 EACH	1 EACH	1072+50
1071+98.00	1075+23.00	RT. OF L.M.L.	= 275 LIN. FT.	1 EACH	1 EACH	1 EACH	1075+00
							1075+75

STA. 1072+25 - R.M.L. - IN PLACE  
4'X6'X72' R.C. BOX CULVERT  
D.A. = 150 AC. C = 0.5  
RETAIN

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 WORKSPACE: AHTD  
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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. BB0306	120 148
							PLAN SHEETS - I-30	



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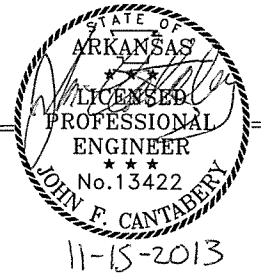
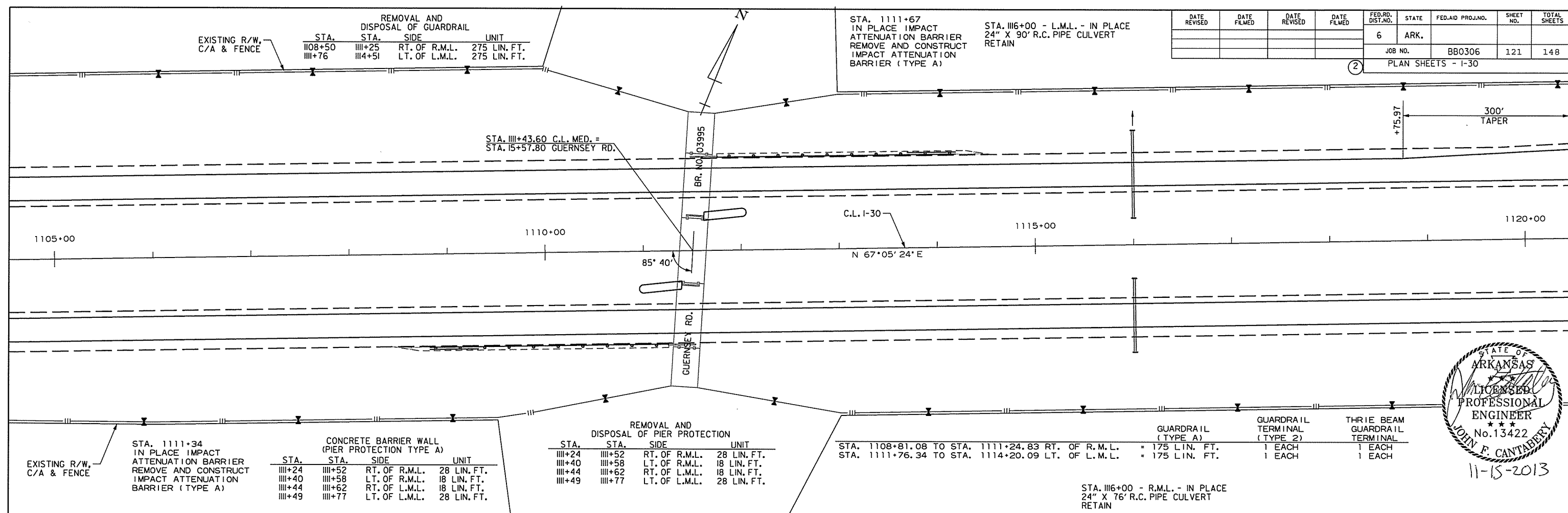


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. BBO306							121	148
PLAN SHEETS - I-30								

STA.	STA.	SIDE	UNIT
1108+50	1114+51	RT. OF R.M.L.	275 LIN. FT.
1114+76	1114+51	LT. OF L.M.L.	275 LIN. FT.

STA. 1111+67  
IN PLACE IMPACT ATTENUATION BARRIER REMOVE AND CONSTRUCT IMPACT ATTENUATION BARRIER (TYPE A)

STA. 1116+00 - L.M.L. - IN PLACE  
24" X 90' R.C. PIPE CULVERT RETAIN

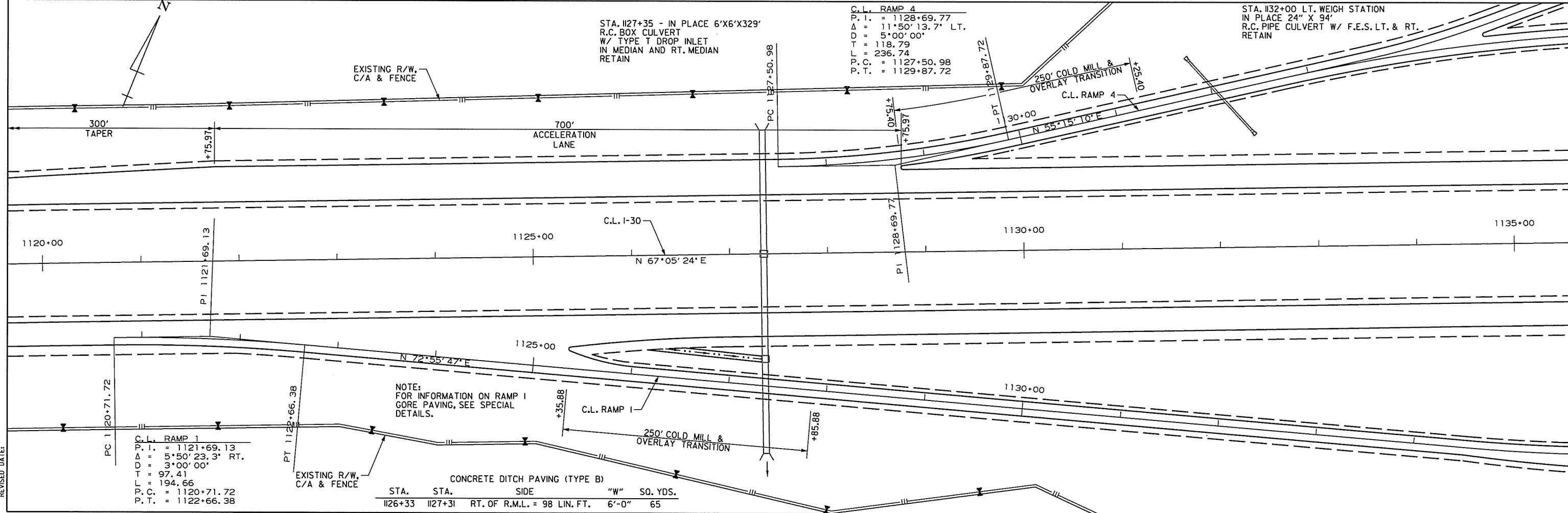


STA.	STA.	SIDE	UNIT
1111+24	1111+58	RT. OF R.M.L.	28 LIN. FT.
1111+40	1111+58	LT. OF R.M.L.	18 LIN. FT.
1111+44	1111+62	RT. OF L.M.L.	18 LIN. FT.
1111+49	1111+77	LT. OF L.M.L.	28 LIN. FT.

STA.	STA.	SIDE	UNIT
1111+24	1111+52	RT. OF R.M.L.	28 LIN. FT.
1111+40	1111+58	LT. OF R.M.L.	18 LIN. FT.
1111+44	1111+62	RT. OF L.M.L.	18 LIN. FT.
1111+49	1111+77	LT. OF L.M.L.	28 LIN. FT.

STA. 1108+81.08 TO STA. 1111+24.83	RT. OF R.M.L.	= 175 LIN. FT.
STA. 1111+76.34 TO STA. 1114+20.09	LT. OF L.M.L.	= 175 LIN. FT.

GUARDRAIL (TYPE A)	= 175 LIN. FT.
GUARDRAIL TERMINAL (TYPE 2)	1 EACH
THREE BEAM GUARDRAIL TERMINAL	1 EACH



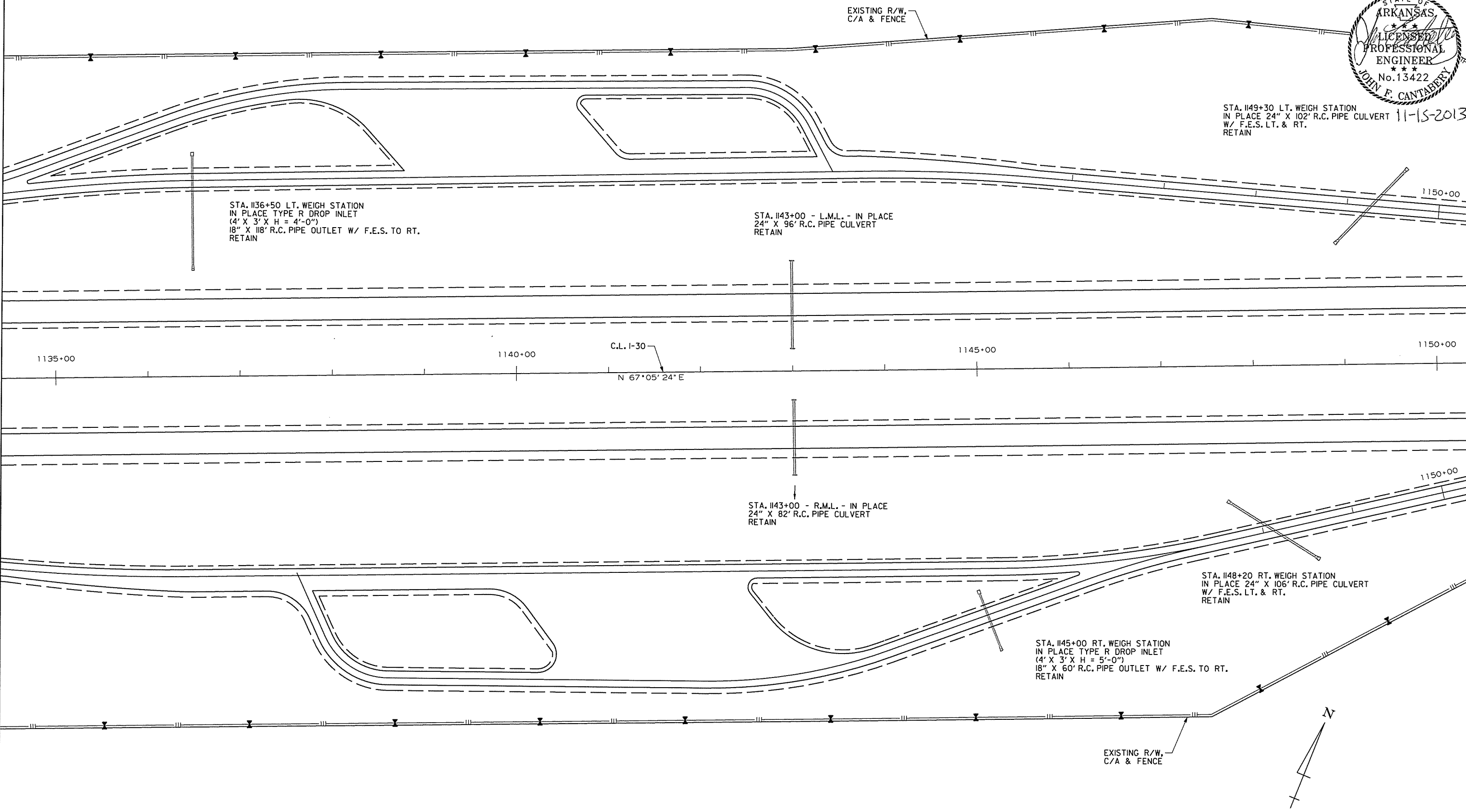
C.L. RAMP 1  
P. I. = 1121+69.13  
Δ = 5°50'23.3" RT.  
D = 3°00'00"  
T = 97.41  
L = 194.66  
P. C. = 1120+71.72  
P. T. = 1122+66.38

STA.	STA.	SIDE	"W"	SQ. YDS.
1126+33	1127+31	RT. OF R.M.L.	98 LIN. FT.	6'-0"
				65

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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.	BBO306	122	148	

2 PLAN SHEETS - I-30



STA. 1136+50 LT. WEIGH STATION  
IN PLACE TYPE R DROP INLET  
(4' X 3' X H = 4'-0")  
18" X 118' R.C. PIPE OUTLET W/ F.E.S. TO RT.  
RETAIN

STA. 1143+00 - L.M.L. - IN PLACE  
24" X 96' R.C. PIPE CULVERT  
RETAIN

STA. 1143+00 - R.M.L. - IN PLACE  
24" X 82' R.C. PIPE CULVERT  
RETAIN

STA. 1149+30 LT. WEIGH STATION  
IN PLACE 24" X 102' R.C. PIPE CULVERT  
W/ F.E.S. LT. & RT.  
RETAIN 11-15-2013

STA. 1148+20 RT. WEIGH STATION  
IN PLACE 24" X 106' R.C. PIPE CULVERT  
W/ F.E.S. LT. & RT.  
RETAIN

STA. 1145+00 RT. WEIGH STATION  
IN PLACE TYPE R DROP INLET  
(4' X 3' X H = 5'-0")  
18" X 60' R.C. PIPE OUTLET W/ F.E.S. TO RT.  
RETAIN

EXISTING R/W,  
C/A & FENCE

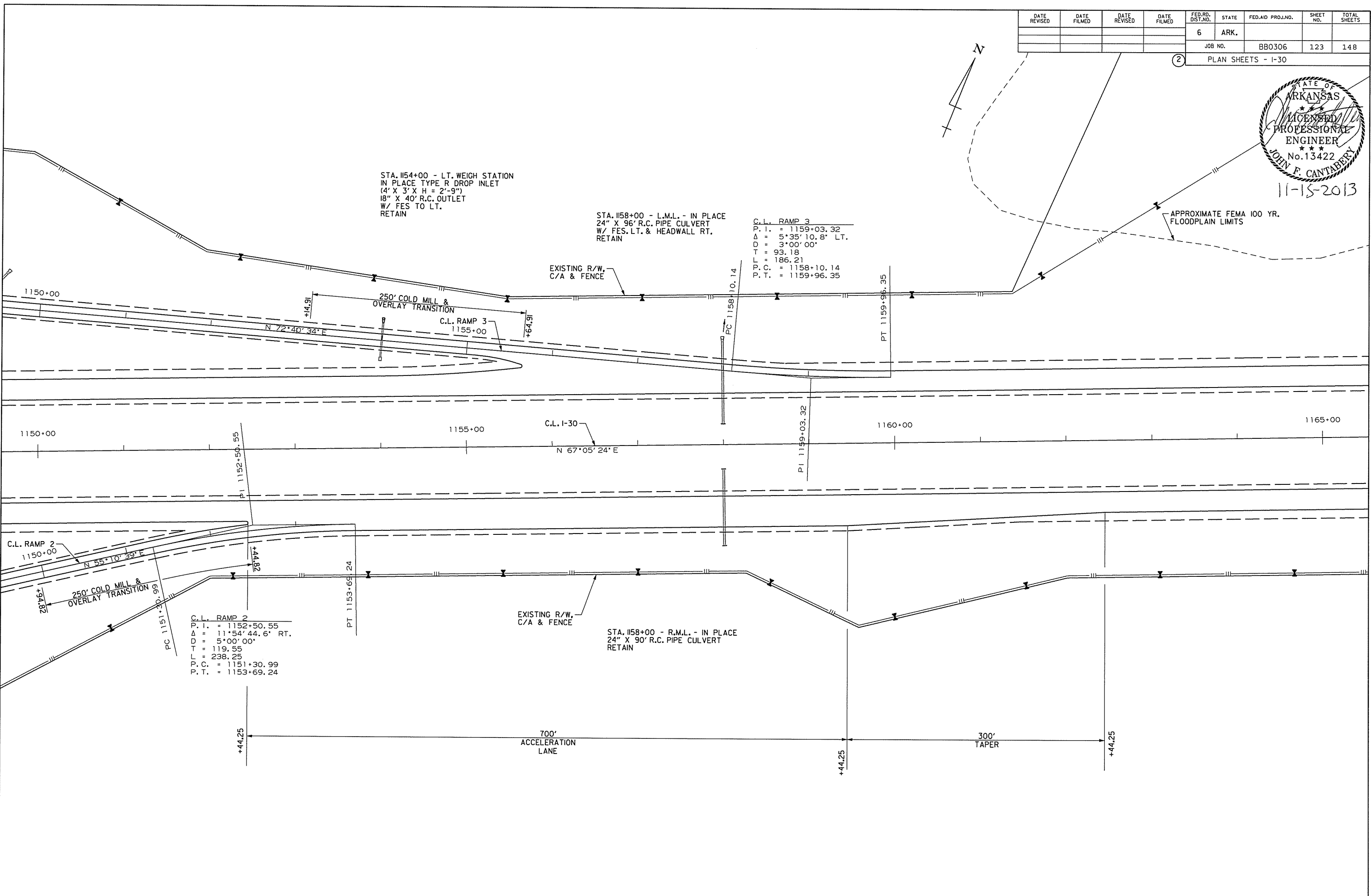
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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	BB0306	123	148	

PLAN SHEETS - I-30



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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. BB0306		124		148
PLAN SHEETS - I-30								

GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL
STA. 1172+46.85 TO STA. 1175+15.60 LT. OF R.M.L. = 200 LIN. FT.	1 EACH	1 EACH
STA. 1172+96.85 TO STA. 1175+15.60 RT. OF R.M.L. = 150 LIN. FT.	1 EACH	1 EACH
STA. 1176+64.40 TO STA. 1178+83.15 LT. OF L.M.L. = 150 LIN. FT.	1 EACH	1 EACH
STA. 1176+64.40 TO STA. 1179+33.15 RT. OF L.M.L. = 200 LIN. FT.	1 EACH	1 EACH

STA.	STA.	SIDE	UNIT
1171+90	1175+15	LT. OF R.M.L.	325 LIN. FT.
1172+40	1175+15	RT. OF R.M.L.	275 LIN. FT.
1176+65	1179+40	LT. OF L.M.L.	275 LIN. FT.
1176+65	1179+90	RT. OF L.M.L.	325 LIN. FT.

STA. 1168+00 - L.M.L. - IN PLACE  
30" X 87.5' R.C. PIPE CULVERT  
RETAIN

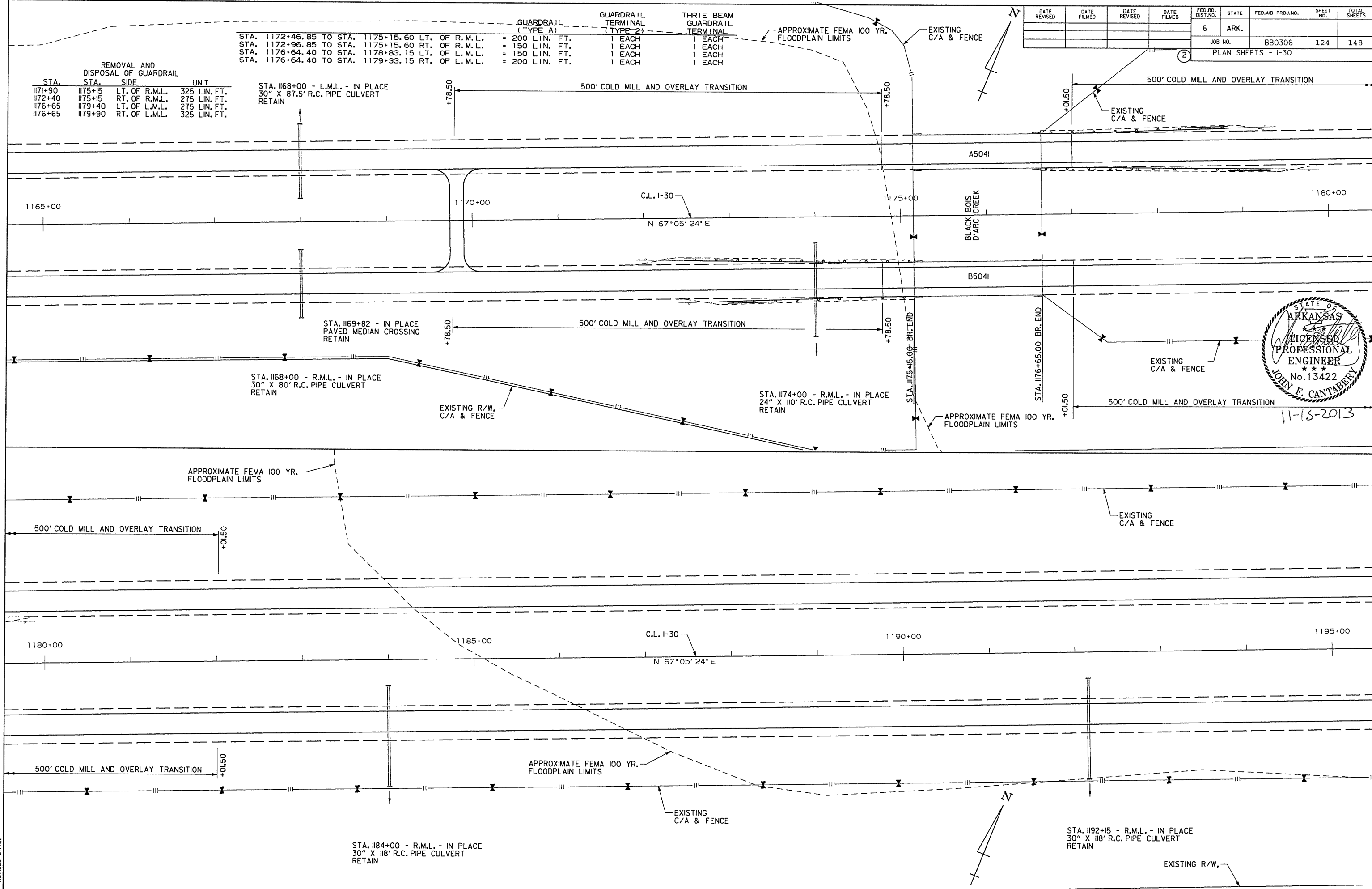
STA. 1168+00 - R.M.L. - IN PLACE  
30" X 80' R.C. PIPE CULVERT  
RETAIN

STA. 1169+82 - IN PLACE  
PAVED MEDIAN CROSSING  
RETAIN

STA. 1174+00 - R.M.L. - IN PLACE  
24" X 110' R.C. PIPE CULVERT  
RETAIN

STA. 1192+15 - R.M.L. - IN PLACE  
30" X 118' R.C. PIPE CULVERT  
RETAIN

STA. 1184+00 - R.M.L. - IN PLACE  
30" X 118' R.C. PIPE CULVERT  
RETAIN

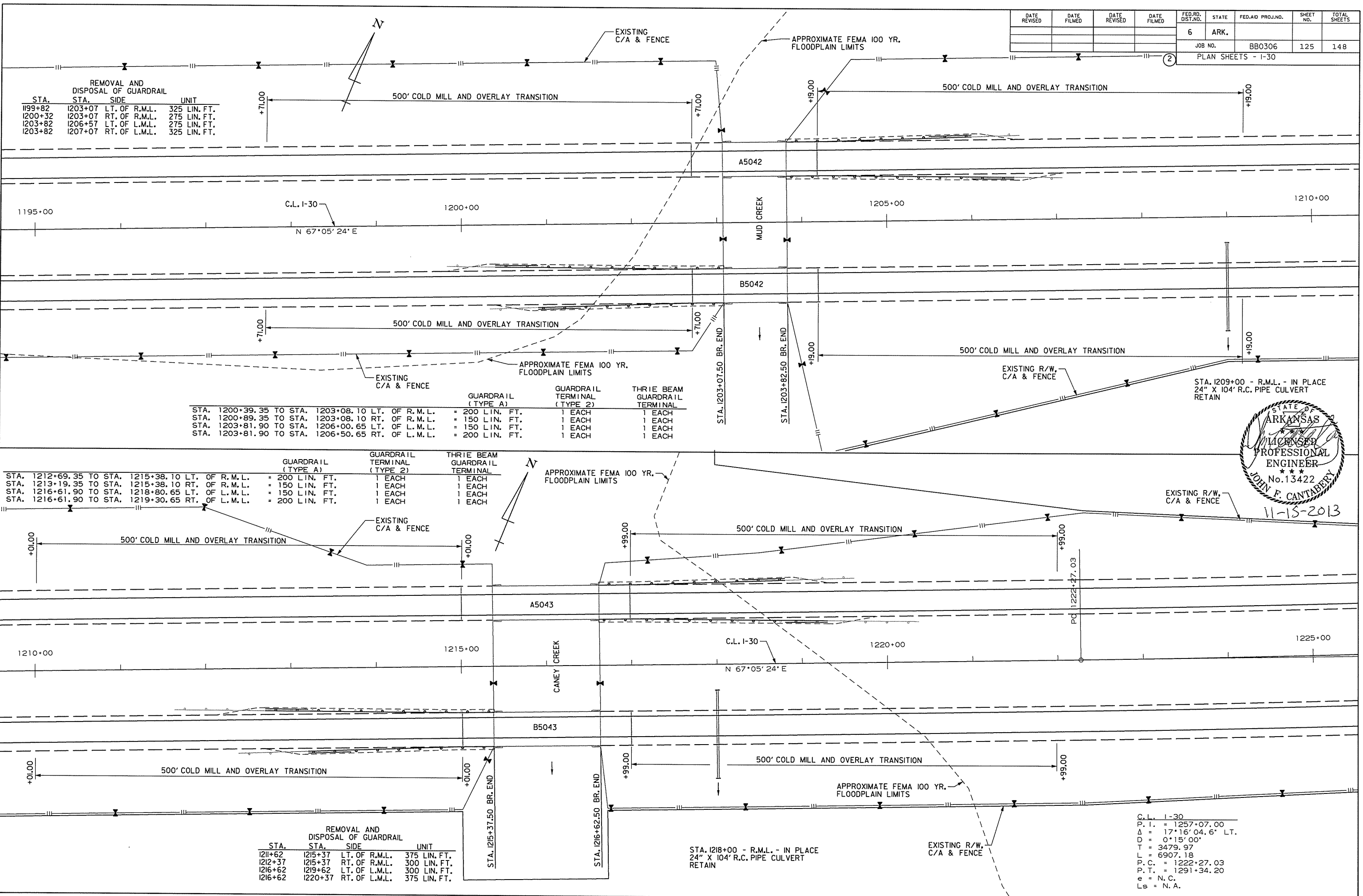


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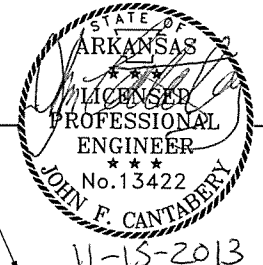
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	BB0306		125	148
				PLAN SHEETS - I-30				

STA.	STA.	SIDE	R.M.L.	UNIT
1199+82	1203+07	LT. OF	R.M.L.	325 LIN. FT.
1200+32	1203+07	RT. OF	R.M.L.	275 LIN. FT.
1203+82	1206+57	LT. OF	L.M.L.	275 LIN. FT.
1203+82	1207+07	RT. OF	L.M.L.	325 LIN. FT.



STA.	STA.	SIDE	R.M.L.	UNIT	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL
1200+39.35	1203+08.10	LT. OF	R.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH
1200+89.35	1203+08.10	RT. OF	R.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1203+81.90	1206+00.65	LT. OF	L.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1203+81.90	1206+50.65	RT. OF	L.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH

STA.	STA.	SIDE	R.M.L.	UNIT	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL
1212+69.35	1215+38.10	LT. OF	R.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH
1213+19.35	1215+38.10	RT. OF	R.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1216+61.90	1218+80.65	LT. OF	L.M.L.	= 150 LIN. FT.	1 EACH	1 EACH	1 EACH
1216+61.90	1219+30.65	RT. OF	L.M.L.	= 200 LIN. FT.	1 EACH	1 EACH	1 EACH

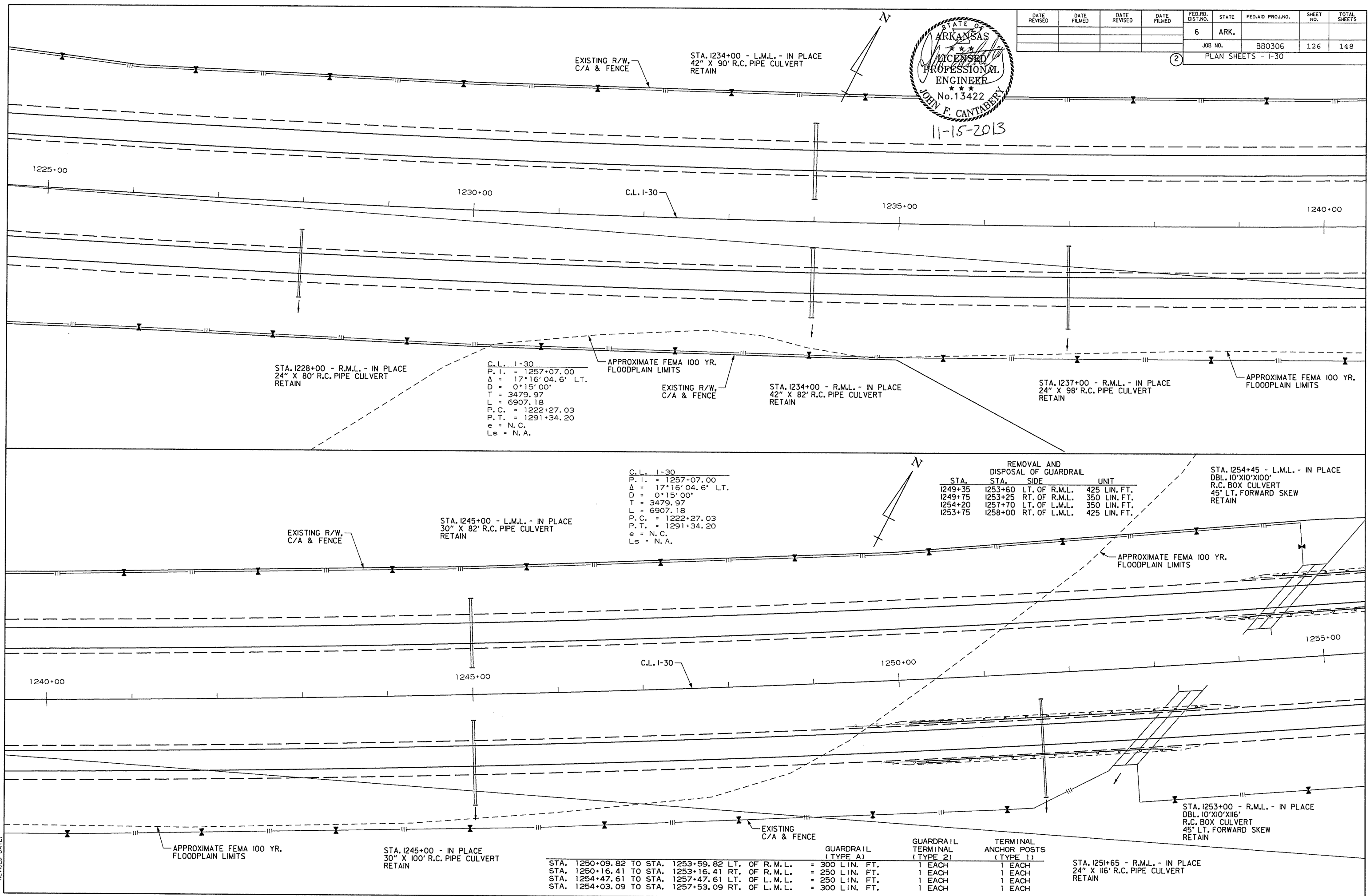
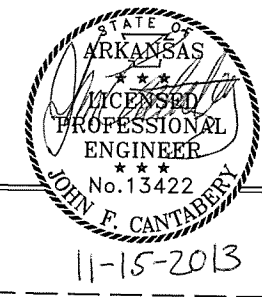


STA.	STA.	SIDE	R.M.L.	UNIT
1211+62	1215+37	LT. OF	R.M.L.	375 LIN. FT.
1212+37	1215+37	RT. OF	R.M.L.	300 LIN. FT.
1216+62	1219+62	LT. OF	L.M.L.	300 LIN. FT.
1216+62	1220+37	RT. OF	L.M.L.	375 LIN. FT.

C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta$  = 17°16'04.6" LT.  
 D = 0°15'00"  
 T = 3479.97  
 L = 6907.18  
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

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 WORKSPACE: AHTD  
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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. BB0306	126
							PLAN SHEETS - I-30	148



STA. 1228+00 - R.M.L. - IN PLACE  
24" X 80' R.C. PIPE CULVERT  
RETAIN

C.L. I-30  
P. I. = 1257+07.00  
Δ = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P. C. = 1222+27.03  
P. T. = 1291+34.20  
e = N. C.  
Ls = N. A.

APPROXIMATE FEMA 100 YR.  
FLOODPLAIN LIMITS

EXISTING R/W,  
C/A & FENCE

STA. 1234+00 - R.M.L. - IN PLACE  
42" X 82' R.C. PIPE CULVERT  
RETAIN

STA. 1237+00 - R.M.L. - IN PLACE  
24" X 98' R.C. PIPE CULVERT  
RETAIN

APPROXIMATE FEMA 100 YR.  
FLOODPLAIN LIMITS

EXISTING R/W,  
C/A & FENCE

STA. 1245+00 - L.M.L. - IN PLACE  
30" X 82' R.C. PIPE CULVERT  
RETAIN

C.L. I-30  
P. I. = 1257+07.00  
Δ = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P. C. = 1222+27.03  
P. T. = 1291+34.20  
e = N. C.  
Ls = N. A.

REMOVAL AND DISPOSAL OF GUARDRAIL

STA.	STA.	SIDE	UNIT
1249+35	1253+60	LT. OF R.M.L.	425 LIN. FT.
1249+75	1253+25	RT. OF R.M.L.	350 LIN. FT.
1254+20	1257+70	LT. OF L.M.L.	350 LIN. FT.
1253+75	1258+00	RT. OF L.M.L.	425 LIN. FT.

STA. 1254+45 - L.M.L. - IN PLACE  
DBL. 10'X10'X100'  
R.C. BOX CULVERT  
45° LT. FORWARD SKEW  
RETAIN

APPROXIMATE FEMA 100 YR.  
FLOODPLAIN LIMITS

APPROXIMATE FEMA 100 YR.  
FLOODPLAIN LIMITS

STA. 1245+00 - IN PLACE  
30" X 100' R.C. PIPE CULVERT  
RETAIN

STA.	STA.	TYPE	UNIT
1250+09.82	1253+59.82	LT. OF R.M.L.	= 300 LIN. FT.
1250+16.41	1253+16.41	RT. OF R.M.L.	= 250 LIN. FT.
1254+47.61	1257+47.61	LT. OF L.M.L.	= 250 LIN. FT.
1254+03.09	1257+53.09	RT. OF L.M.L.	= 300 LIN. FT.

GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	TERMINAL ANCHOR POSTS (TYPE 1)
= 300 LIN. FT.	1 EACH	1 EACH
= 250 LIN. FT.	1 EACH	1 EACH
= 250 LIN. FT.	1 EACH	1 EACH
= 300 LIN. FT.	1 EACH	1 EACH

STA. 1251+65 - R.M.L. - IN PLACE  
24" X 116' R.C. PIPE CULVERT  
RETAIN

STA. 1253+00 - R.M.L. - IN PLACE  
DBL. 10'X10'X116'  
R.C. BOX CULVERT  
45° LT. FORWARD SKEW  
RETAIN

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STA.	STA.	SIDE	UNIT
1262+25	1265+00	RT. OF R.M.L.	275 LIN. FT.
1266+92	1269+67	LT. OF L.M.L.	275 LIN. FT.

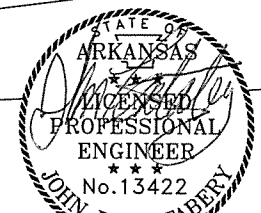
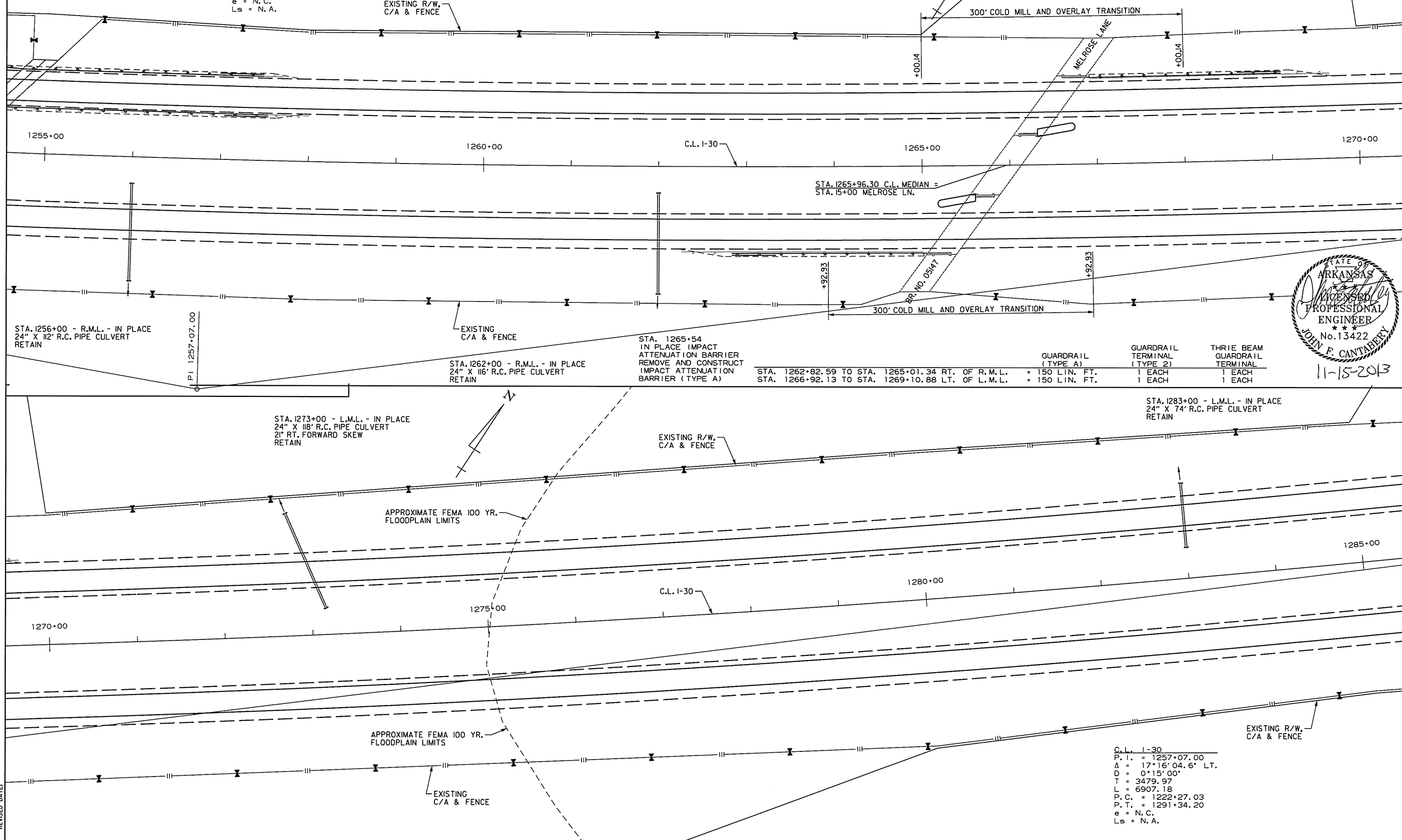
C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17'16''04.6''$  LT.  
 $D = 0'15''00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.A.

STA.	STA.	SIDE	UNIT
1265+00	1265+32	RT. OF R.M.L.	32 LIN. FT.
1265+61	1265+83	LT. OF R.M.L.	22 LIN. FT.
1266+10	1266+32	RT. OF L.M.L.	22 LIN. FT.
1266+61	1266+93	LT. OF L.M.L.	32 LIN. FT.

STA.	STA.	SIDE	UNIT
1265+00	1265+32	RT. OF R.M.L.	32 LIN. FT.
1265+61	1265+83	LT. OF R.M.L.	22 LIN. FT.
1266+10	1266+32	RT. OF L.M.L.	22 LIN. FT.
1266+61	1266+93	LT. OF L.M.L.	32 LIN. FT.

STA. 1266+38  
 IN PLACE IMPACT  
 ATTENUATION BARRIER  
 REMOVE AND CONSTRUCT  
 IMPACT ATTENUATION  
 BARRIER (TYPE A)

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.	BB0306		127	148
PLAN SHEETS - I-30								



11-15-2013

C.L. I-30  
 P.I. = 1257+07.00  
 $\Delta = 17'16''04.6''$  LT.  
 $D = 0'15''00''$   
 $T = 3479.97$   
 $L = 6907.18$   
 P.C. = 1222+27.03  
 P.T. = 1291+34.20  
 e = N.C.  
 Ls = N.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.	BB0306		128	148
PLAN SHEETS - I-30								

REMOVAL AND DISPOSAL OF PIER PROTECTION

STA.	STA.	SIDE	UNIT
1288+23	1288+59	LT. OF L.M.L.	36 LIN. FT.
1288+91	1289+17	RT. OF L.M.L.	26 LIN. FT.
1289+77	1290+03	LT. OF R.M.L.	26 LIN. FT.
1290+34	1290+70	RT. OF R.M.L.	36 LIN. FT.

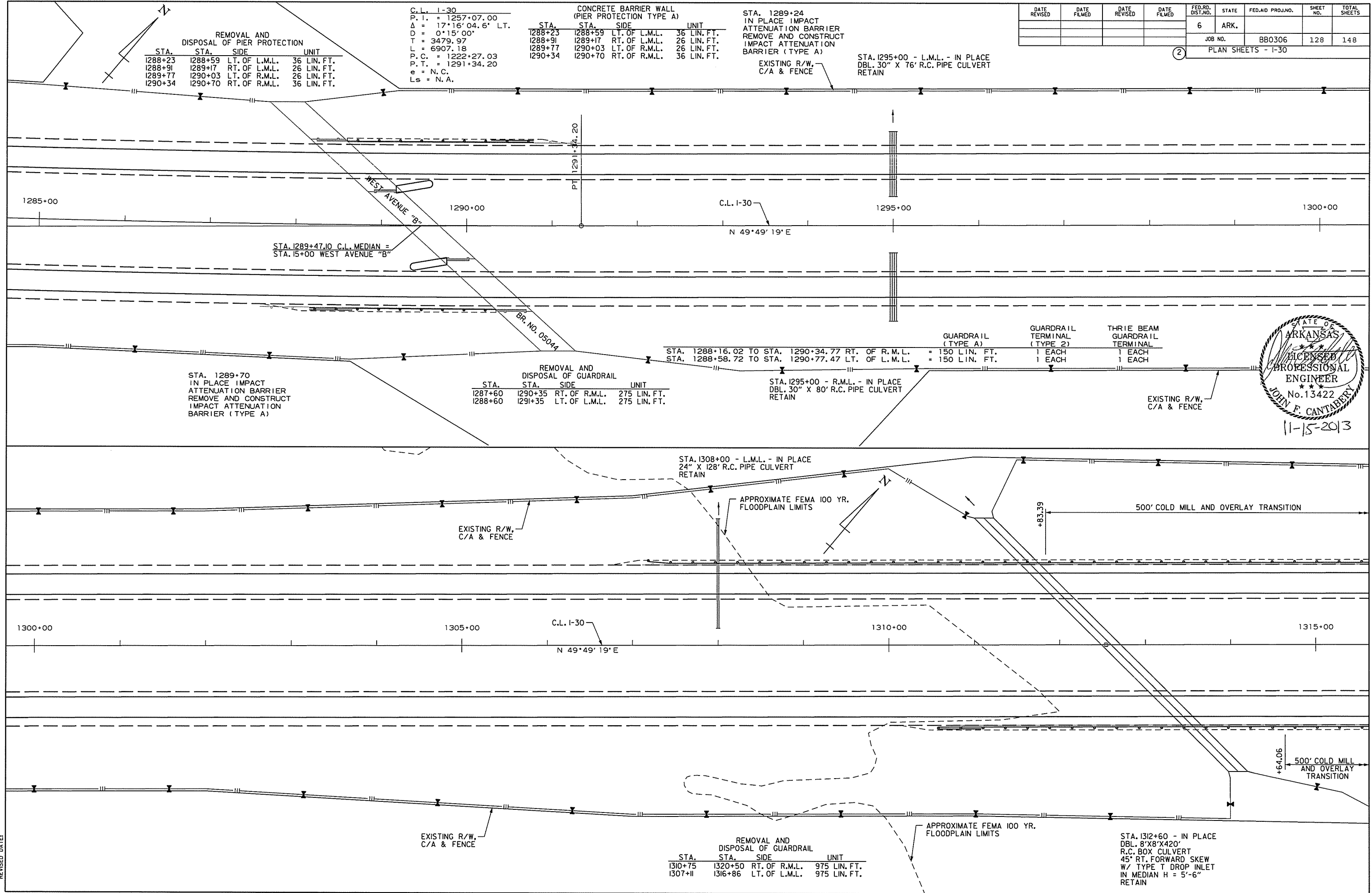
C.L. I-30  
P.I. = 1257+07.00  
Δ = 17°16'04.6" LT.  
D = 0°15'00"  
T = 3479.97  
L = 6907.18  
P.C. = 1222+27.03  
P.T. = 1291+34.20  
e = N.C.  
Ls = N.A.

CONCRETE BARRIER WALL (PIER PROTECTION TYPE A)

STA.	STA.	SIDE	UNIT
1288+23	1288+59	LT. OF L.M.L.	36 LIN. FT.
1288+91	1289+17	RT. OF L.M.L.	26 LIN. FT.
1289+77	1290+03	LT. OF R.M.L.	26 LIN. FT.
1290+34	1290+70	RT. OF R.M.L.	36 LIN. FT.

STA. 1289+24  
IN PLACE IMPACT ATTENUATION BARRIER  
REMOVE AND CONSTRUCT IMPACT ATTENUATION BARRIER (TYPE A)

EXISTING R/W, C/A & FENCE  
STA. 1295+00 - L.M.L. - IN PLACE DBL. 30" X 76' R.C. PIPE CULVERT RETAIN



STA. 1289+70  
IN PLACE IMPACT ATTENUATION BARRIER  
REMOVE AND CONSTRUCT IMPACT ATTENUATION BARRIER (TYPE A)

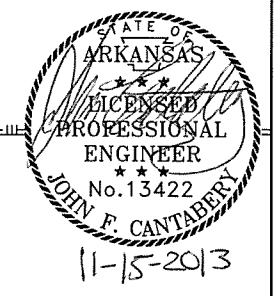
REMOVAL AND DISPOSAL OF GUARDRAIL

STA.	STA.	SIDE	UNIT
1287+60	1290+35	RT. OF R.M.L.	275 LIN. FT.
1288+60	1291+35	LT. OF L.M.L.	275 LIN. FT.

STA. 1288+16.02 TO STA. 1290+34.77 RT. OF R.M.L. = 150 LIN. FT.  
STA. 1288+58.72 TO STA. 1290+77.47 LT. OF L.M.L. = 150 LIN. FT.

GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL
= 150 LIN. FT.	1 EACH	1 EACH
= 150 LIN. FT.	1 EACH	1 EACH

STA. 1295+00 - R.M.L. - IN PLACE DBL. 30" X 80' R.C. PIPE CULVERT RETAIN



STA. 1308+00 - L.M.L. - IN PLACE 24" X 128' R.C. PIPE CULVERT RETAIN

APPROXIMATE FEMA 100 YR. FLOODPLAIN LIMITS

500' COLD MILL AND OVERLAY TRANSITION

REMOVAL AND DISPOSAL OF GUARDRAIL

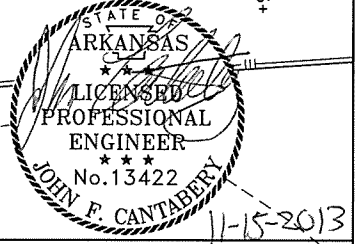
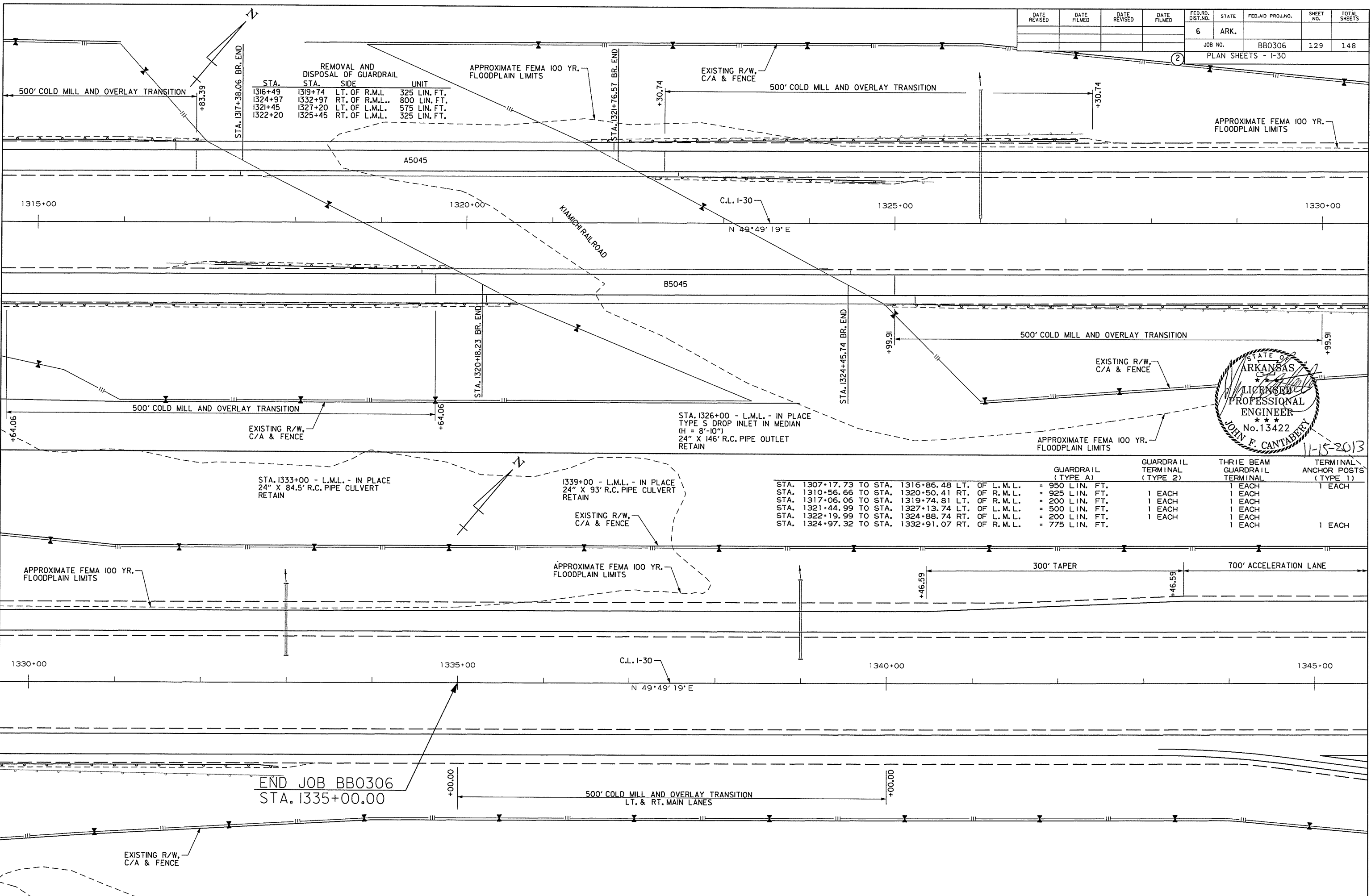
STA.	STA.	SIDE	UNIT
1310+75	1320+50	RT. OF R.M.L.	975 LIN. FT.
1307+11	1316+86	LT. OF L.M.L.	975 LIN. FT.

APPROXIMATE FEMA 100 YR. FLOODPLAIN LIMITS

STA. 1312+60 - IN PLACE DBL. 8" X 8' X 420' R.C. BOX CULVERT 45° RT. FORWARD SKEW W/ TYPE T DROP INLET IN MEDIAN H = 5'-6" RETAIN

sdcanderson 11/15/2013 8:47:56 AM  
WORKSPACE: AHTD  
L:\2011\117701 - I-30 Rehabilitation Projects\Drawings\I30\_PP\_MNL\_13.dgn  
REVISED DATE:

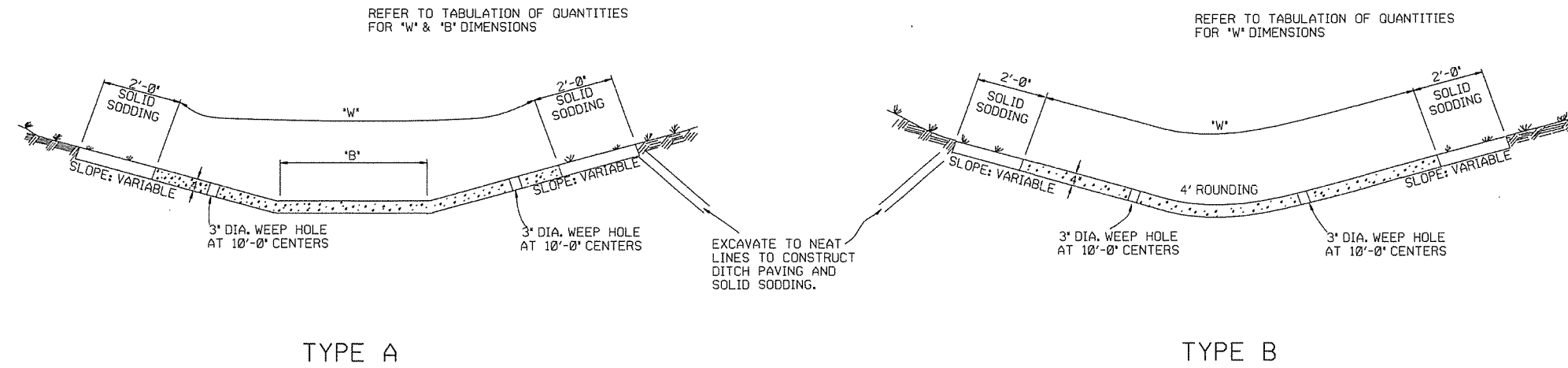




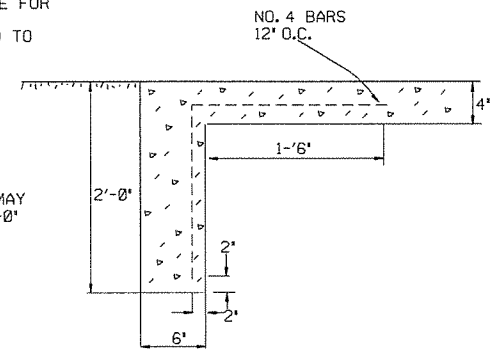
STA. 1307+17.73 TO STA. 1316+86.48	LT. OF L.M.L.	= 950 LIN. FT.	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)	THREE BEAM GUARDRAIL TERMINAL	TERMINAL ANCHOR POSTS (TYPE 1)
STA. 1310+56.66 TO STA. 1320+50.41	RT. OF R.M.L.	= 925 LIN. FT.		1 EACH	1 EACH	1 EACH
STA. 1317+06.06 TO STA. 1319+74.81	LT. OF R.M.L.	= 200 LIN. FT.		1 EACH	1 EACH	
STA. 1321+44.99 TO STA. 1327+13.74	LT. OF L.M.L.	= 500 LIN. FT.		1 EACH	1 EACH	
STA. 1322+19.99 TO STA. 1324+88.74	RT. OF L.M.L.	= 200 LIN. FT.		1 EACH	1 EACH	
STA. 1324+97.32 TO STA. 1332+91.07	RT. OF R.M.L.	= 775 LIN. FT.				1 EACH

scdonaldson 11/14/2013 2:26:57 PM  
 WORKSPACE: AHTD  
 L:\2011\017701 - I-30 Rehabilitation Projects\Drawings\30\_PP\_MNL.dgn  
 REVISED DATE:

END JOB BB0306  
 STA. 1335+00.00



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



TOE WALL DETAIL FOR CONCRETE DITCH PAVING

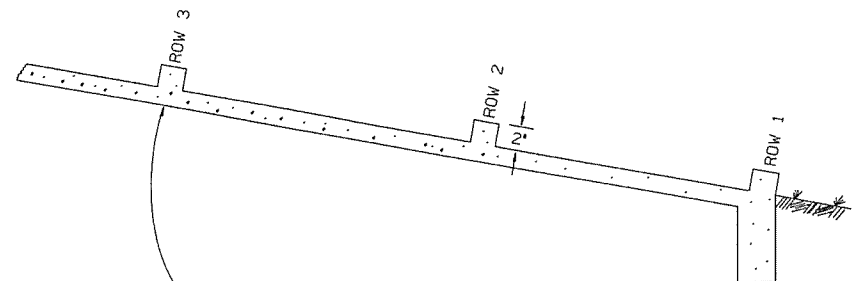
GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.

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

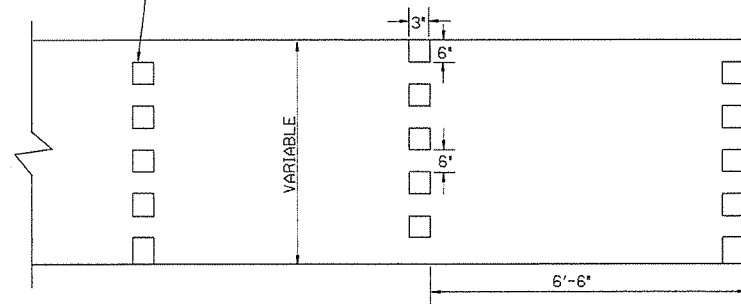
SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.

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



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED

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



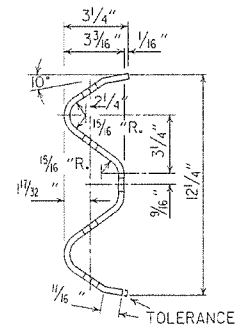
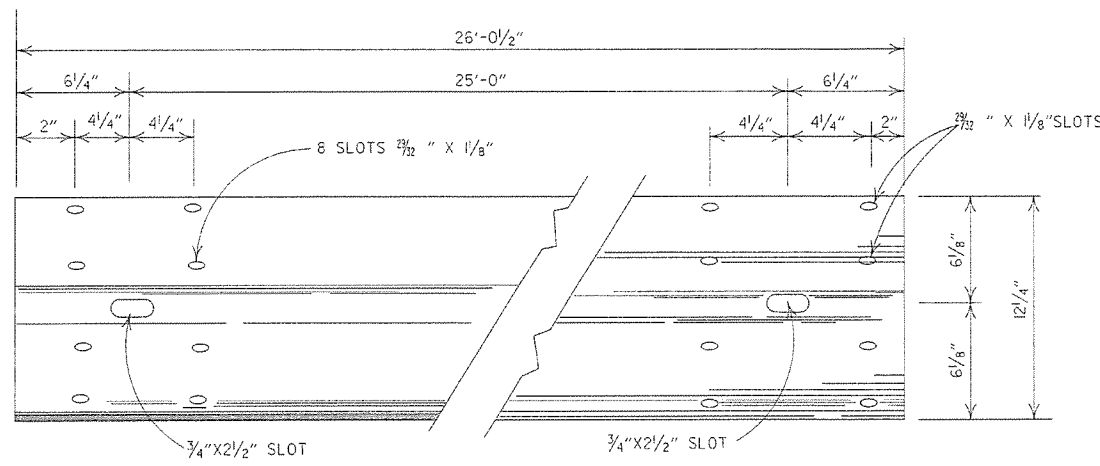
ENERGY DISSIPATORS  
(NO SCALE)

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	
10-2-72	TYPED A & B	
	REVISED AND REDRAWN	508-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

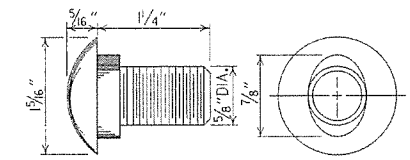
CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

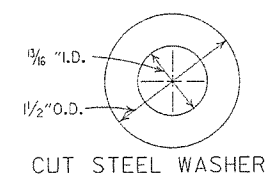


DETAILS OF W-BEAM GUARD RAIL

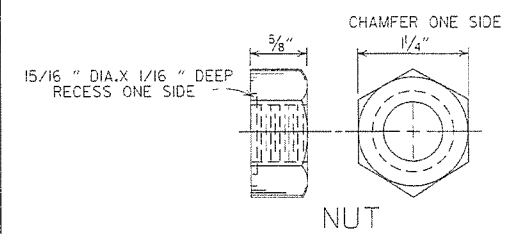
RAIL SECTION OF CLOSELY SIMILAR DIMENSIONS AND COMPARABLE STRENGTH MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.



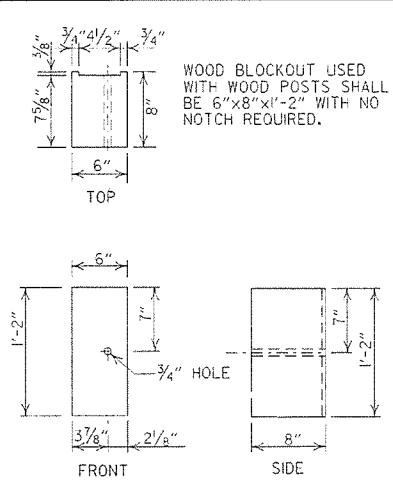
SPLICE BOLT  
POST BOLT - SAME EXCEPT LENGTH



CUT STEEL WASHER

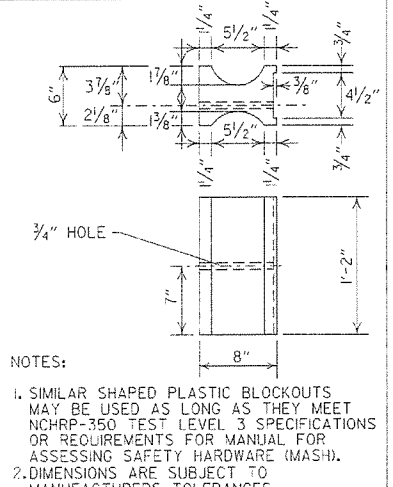


NUT



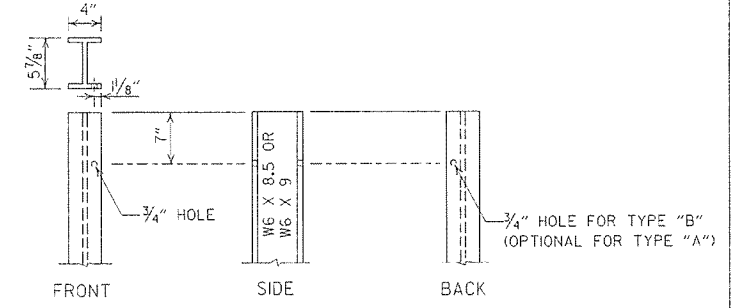
WOOD BLOCKOUT (W-BEAM)

WOOD BLOCKOUT USED WITH WOOD POSTS SHALL BE 6" X 8" X 1'-2" WITH NO NOTCH REQUIRED.

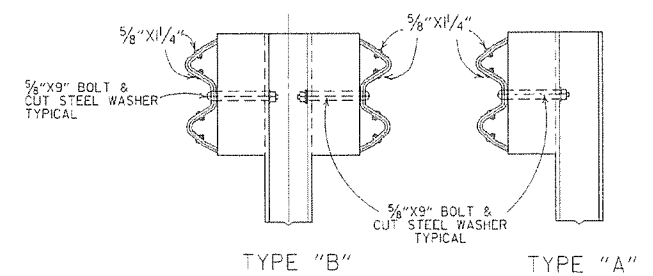


PLASTIC BLOCKOUT (W-BEAM)

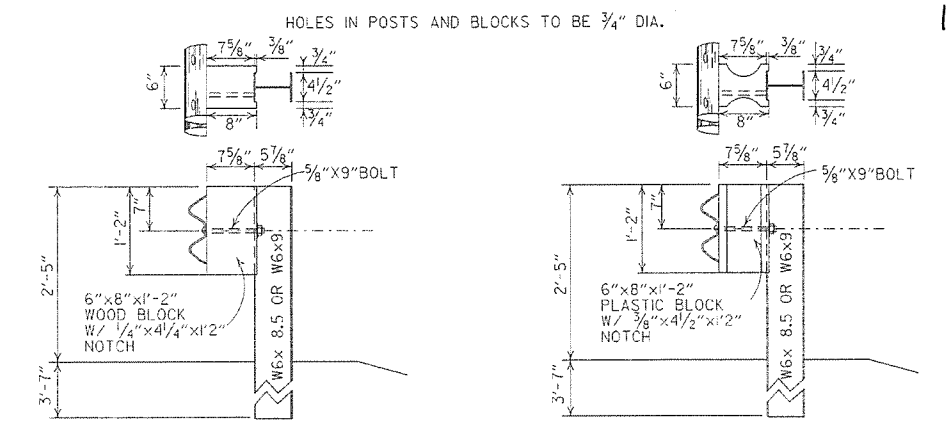
NOTES:  
1. SIMILAR SHAPED PLASTIC BLOCKOUTS MAY BE USED AS LONG AS THEY MEET NCHRP-350 TEST LEVEL 3 SPECIFICATIONS OR REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).  
2. DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.



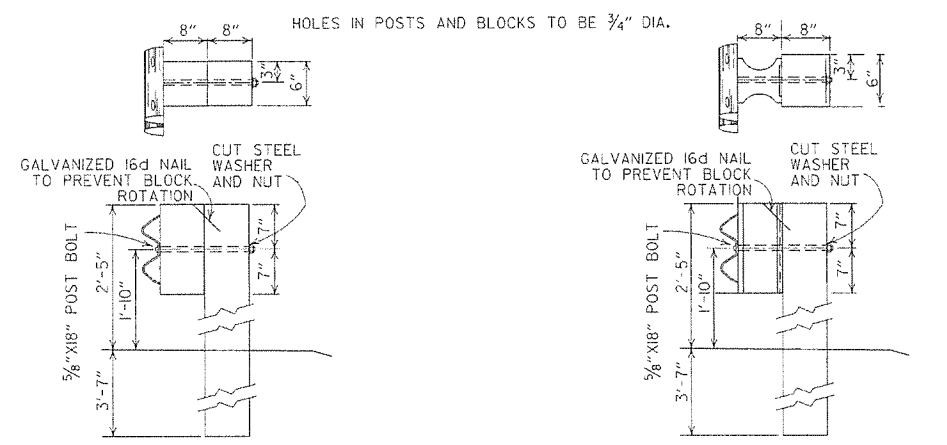
STEEL POST



DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)



WOOD BLOCKOUT CONNECTIONS  
PLASTIC BLOCKOUT CONNECTIONS  
DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)



WOOD BLOCKOUT CONNECTIONS  
PLASTIC BLOCKOUT CONNECTIONS  
DETAILS OF WOOD LINE POST CONNECTIONS (W-BEAM)

-GENERAL NOTES-

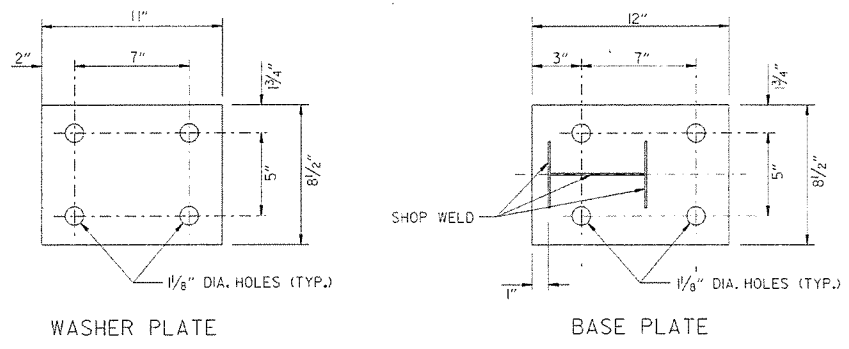
ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 3/4" BEYOND IT.  
WHERE W-BEAM GUARD RAIL CONTINUES, THE INTERMEDIATE SECTIONS SHALL HAVE A POST SPACING OF 6'-3" UNLESS OTHERWISE NOTED.  
W-BEAM GUARD RAIL REPRESENTING INTERMEDIATE SECTIONS WILL BE 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 9.7F (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
7-14-10	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 & DET. 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

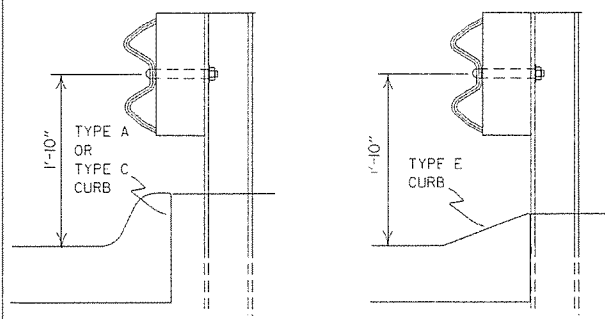
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

STANDARD DRAWING GR-8



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

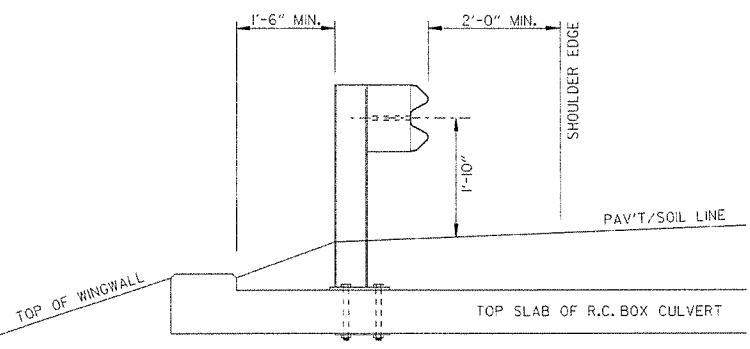


FOR DESIGN SPEEDS OF 50 MPH OR LESS  
ALIGN FACE OF GUARD RAIL WITH FACE OF CURB.

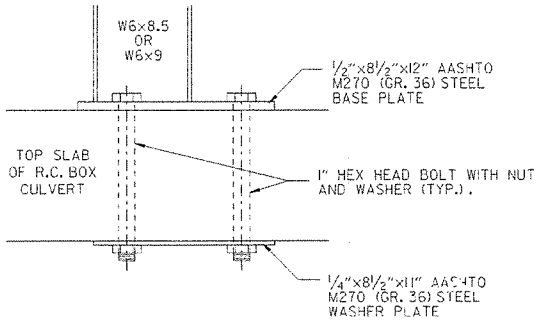
FOR DESIGN SPEEDS OF 55 MPH OR MORE  
PLACE GUARD RAIL POSTS AGAINST BACK OF CURB.

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

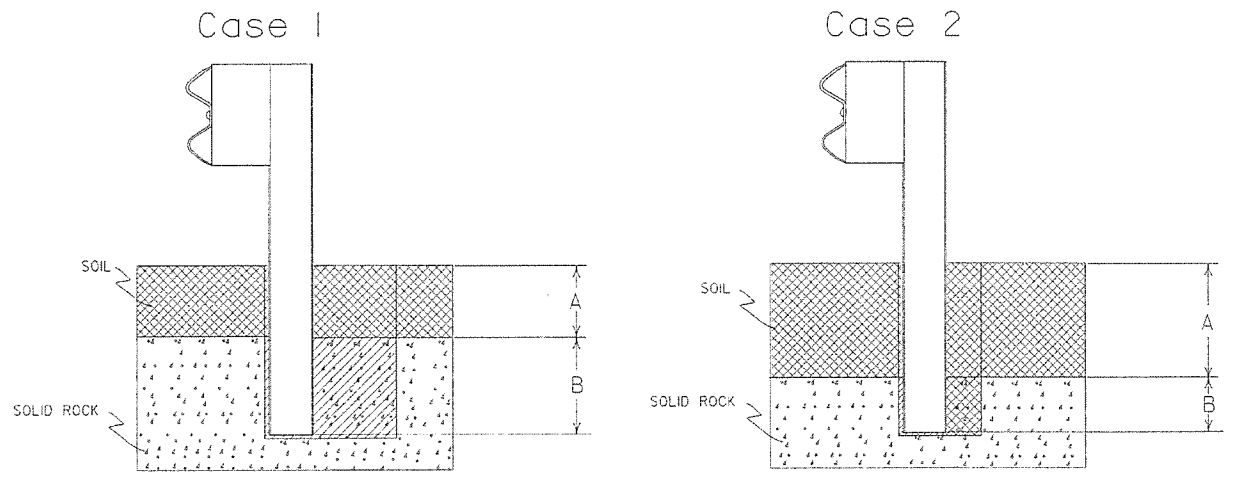
FOR DESIGN SPEEDS OF 50 MPH OR LESS ALL CURB FACES, AS SHOWN ON STD. DRWG. CG-1, MAY BE USED. FOR DESIGN SPEEDS OF 55 MPH OR MORE TYPE "E" CURB FACE SHALL BE USED.



SECTION A-A

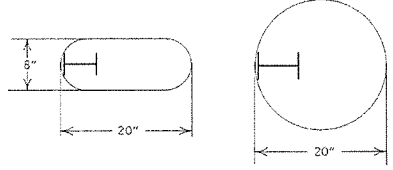


DETAIL OF CONNECTION



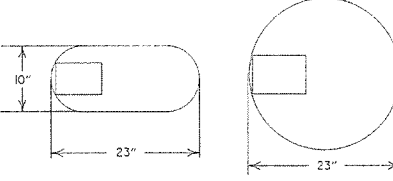
**Plan View Steel Posts**

Either hole configuration acceptable



**Plan View Wood Posts**

Either hole configuration acceptable



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

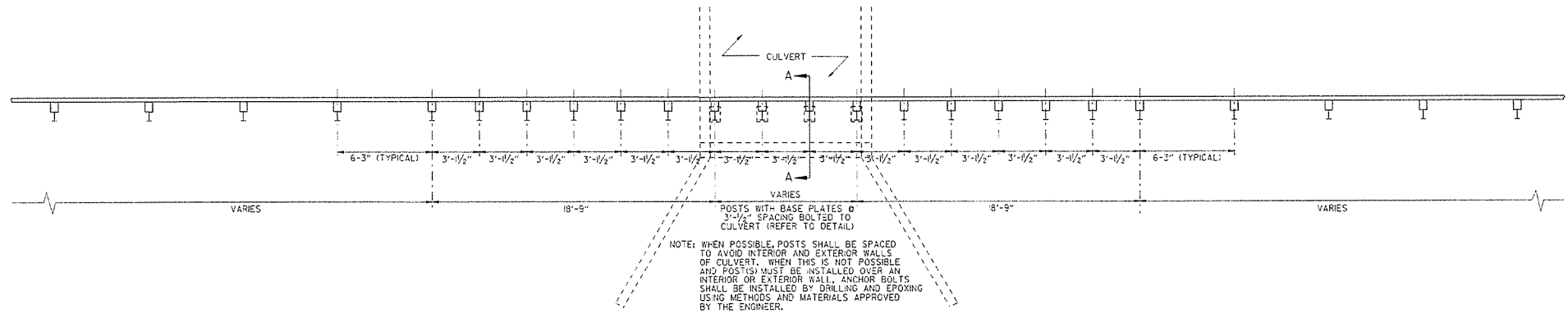
Zone A: Backfill according to Section 617.03(a).

Zone B: Backfill hole in 6" lifts with material meeting the requirements of Section 802.02(a) - 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

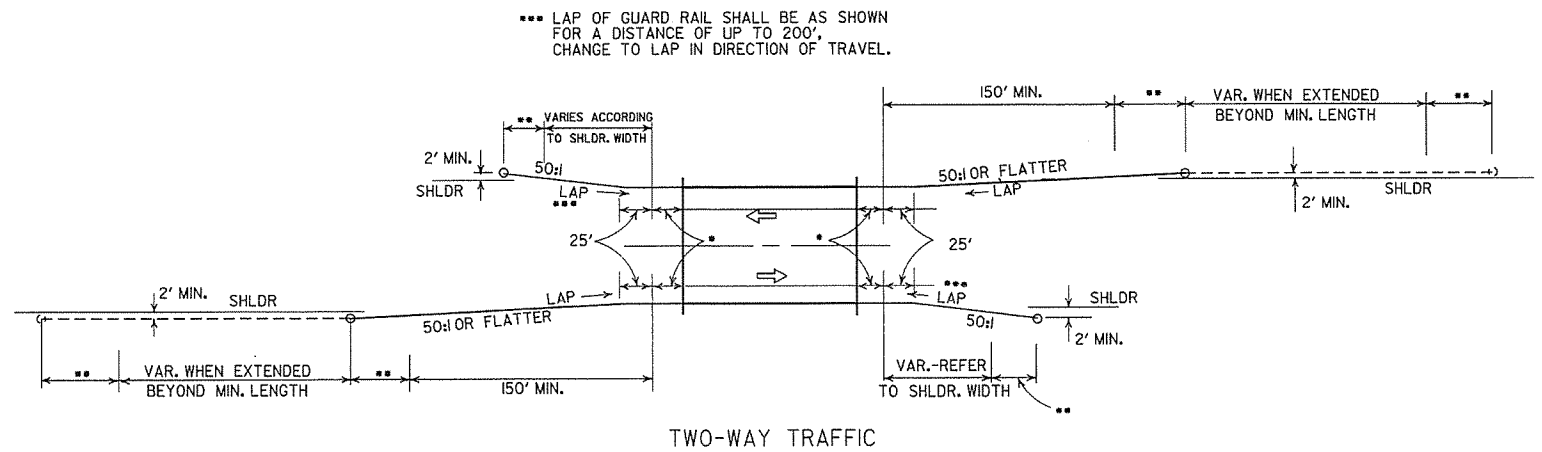
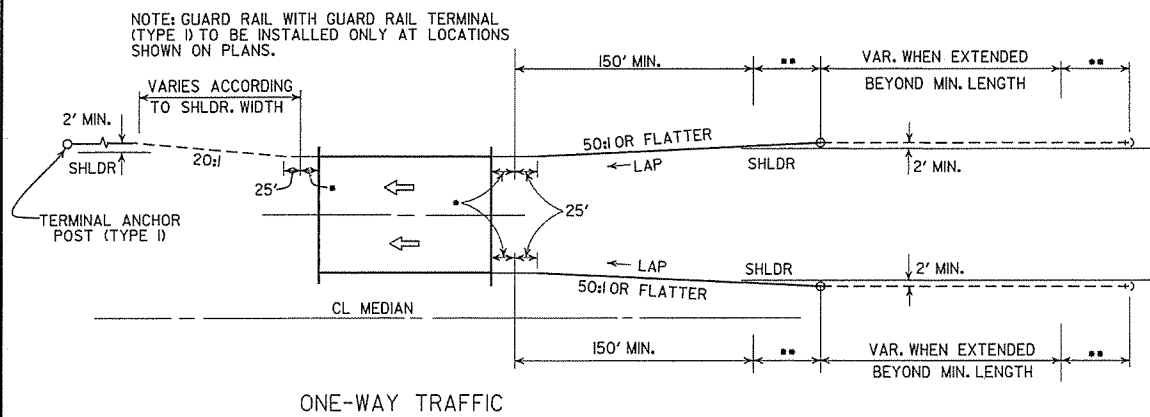
NOTE: THIS DETAIL IS TO BE USED ONLY WHEN THE COVER OVER THE CULVERT DOES NOT PERMIT FULL EMBEDMENT OF GUARD RAIL POSTS AS SHOWN ON STD. DRWG. GR-8.

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 CONFORMED TO 1988 SPECS	8-2-90
7-15-88	REVISED ANCHOR ASSEMBLY	
3-4-88	REVISED ANCHOR NOTE	
10-30-87	REVISED ANCHOR ASSEMBLY	10-30-87
10-30-87	REVISED PLACEMENT BEHIND CURB	541-10-30-87
10-9-87	REDRAWN & REVISED	803-10-9-87
DATE	REVISION	DATE FILM

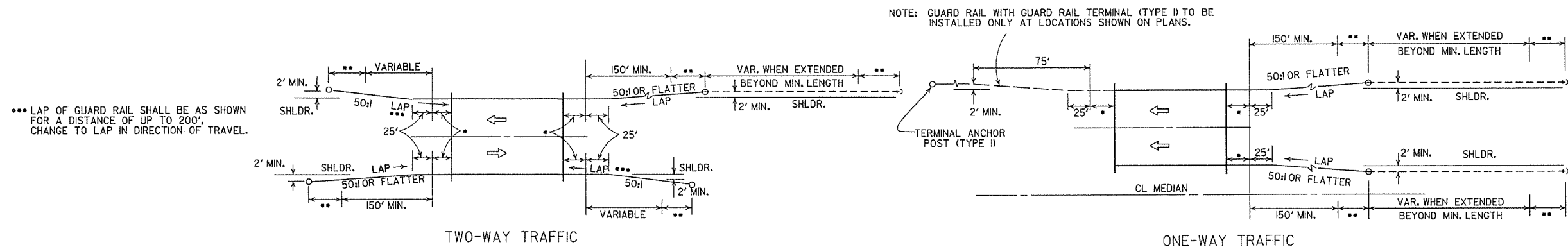
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

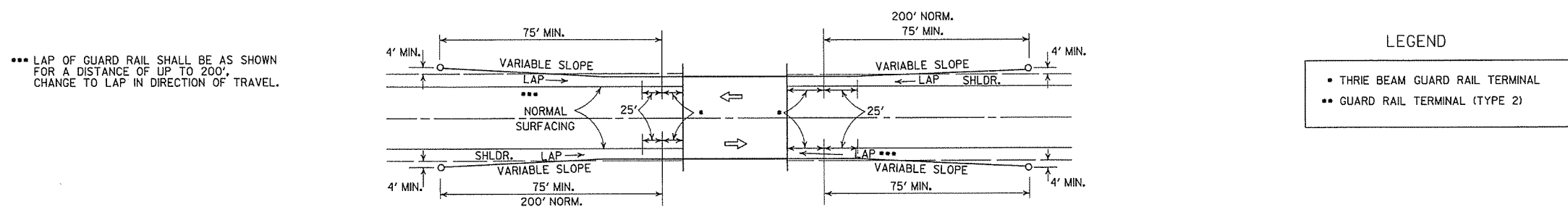
STANDARD DRAWING GR-8A



METHODS OF INSTALLATION OF GUARD RAIL AT LESS THAN FULL SHOULDER WIDTH BRIDGES USING GUARD RAIL TERMINAL (TYPE 2)

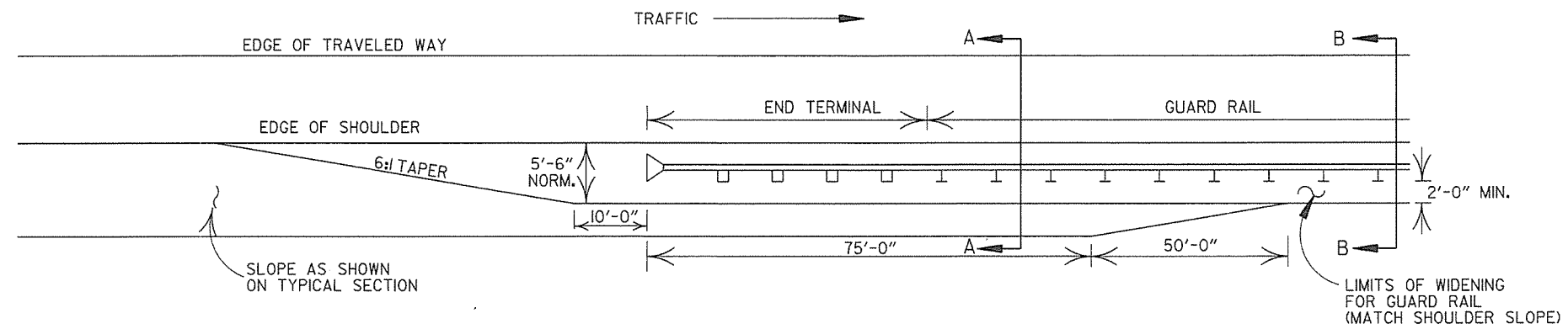


METHOD OF INSTALLATION OF GUARD RAIL AT FULL SHOULDER WIDTH BRIDGES USING GUARD RAIL TERMINAL (TYPE 2)

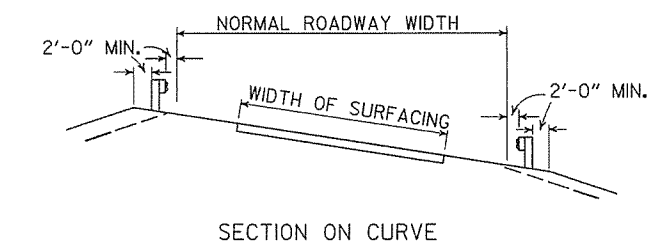
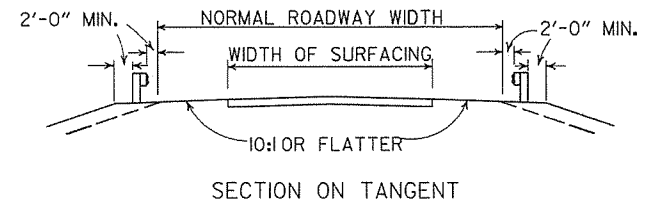
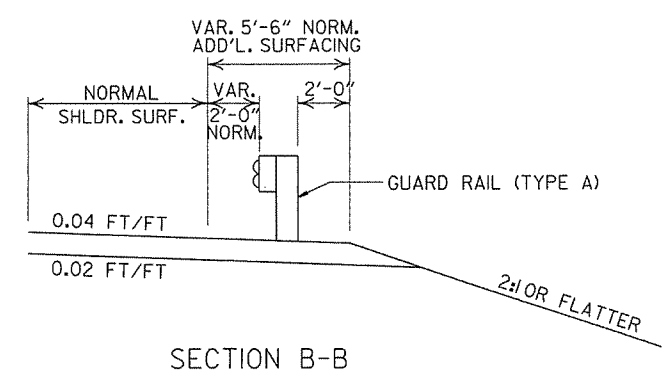
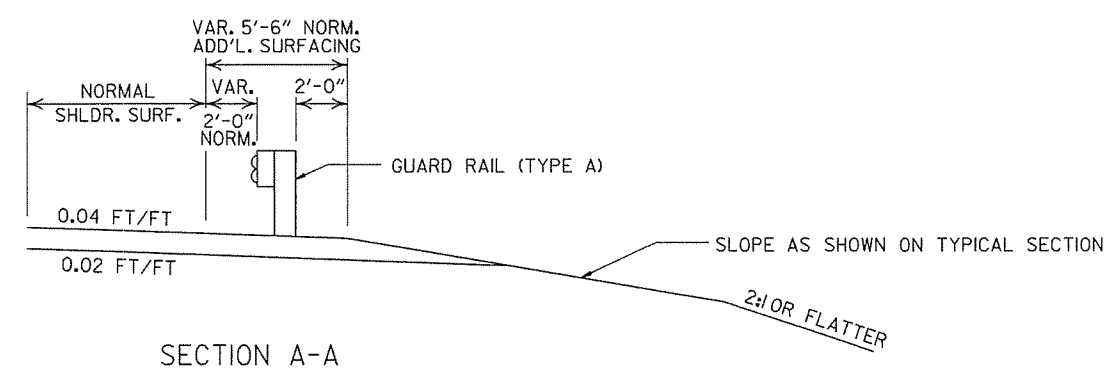


METHOD OF INSTALLATION OF GUARD RAIL USING GUARD RAIL TERMINAL (TYPE I) (FULL SHOULDER WIDTH OR LESS BRIDGES)

ARKANSAS STATE HIGHWAY COMMISSION		
GUARD RAIL DETAILS		
STANDARD DRAWING GR-9		
4-17-08	REVISED LAYOUTS	
11-10-05	REMOVED GUARD RAIL NOTES AND DETAILS	
11-16-01	DELETED NOTE-METHOD OF INSTALLATION OF GUARD RAIL USING GUARD RAIL TERM. (TY. I)	
1-12-00	ADDED CONSTRUCTION NOTE	1-12-00
6-26-97	REVISED LAYOUT	
10-1-92	REDRAWN & REVISED	10-1-92
10-9-87	ADDED NOTE	
10-9-87	REDRAWN & REVISED	
DATE	REVISION	DATE FILM

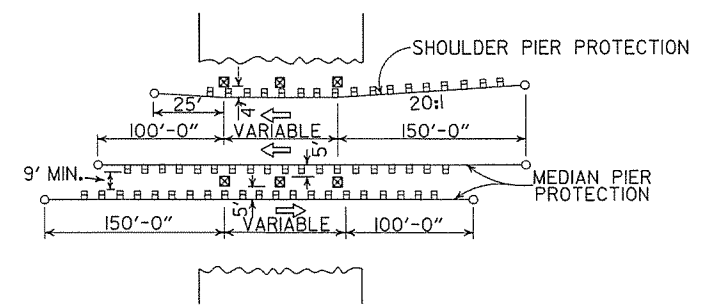


NOTE: NORMAL SECTION TO BE WIDENED APPROX. 5'-6" EACH SIDE TO SUPPORT GUARD RAIL.



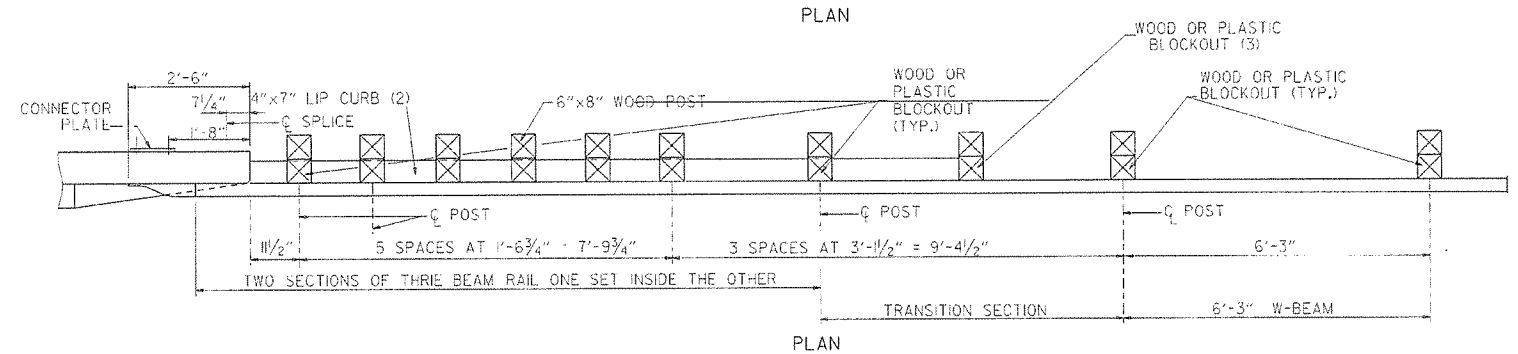
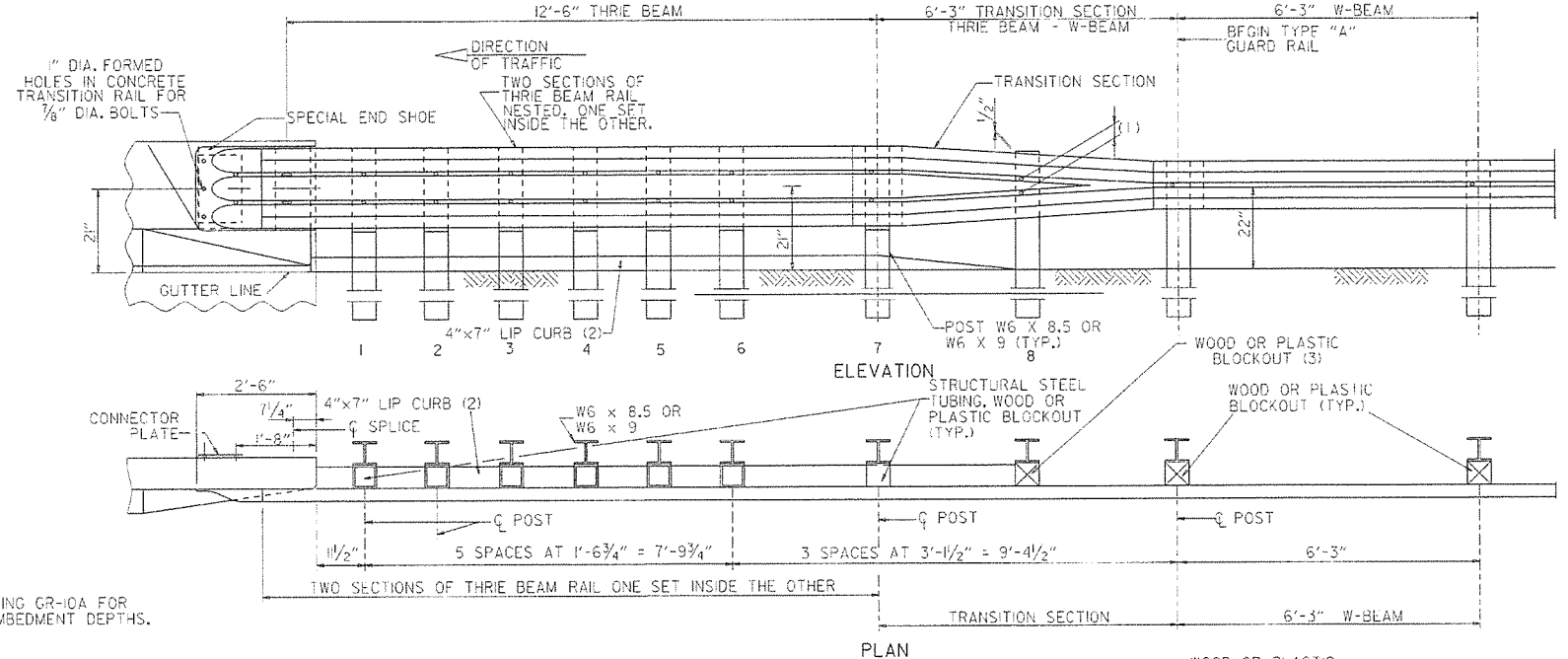
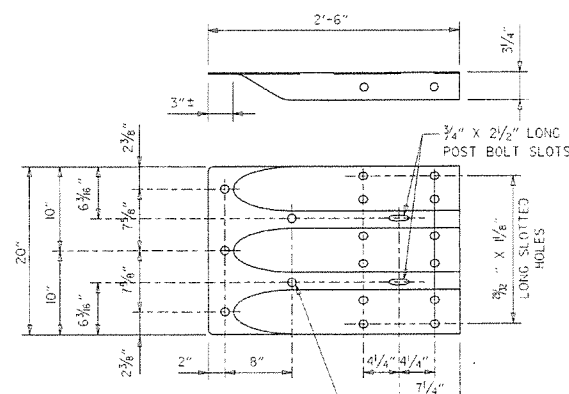
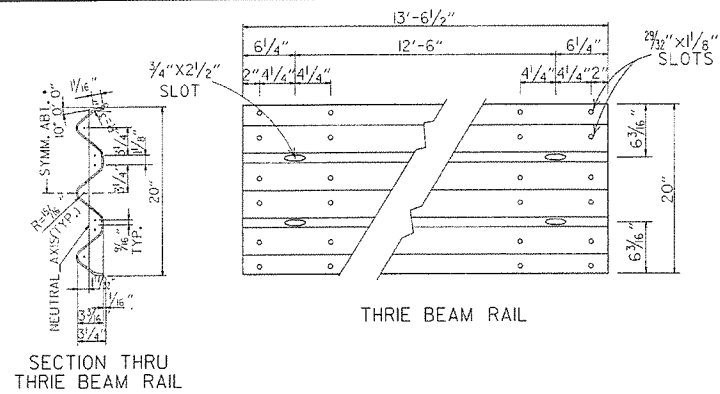
DETAILS OF WIDENING FOR GUARD RAIL

DETAILS SHOWING POSITION OF GUARD RAIL ON HIGHWAY



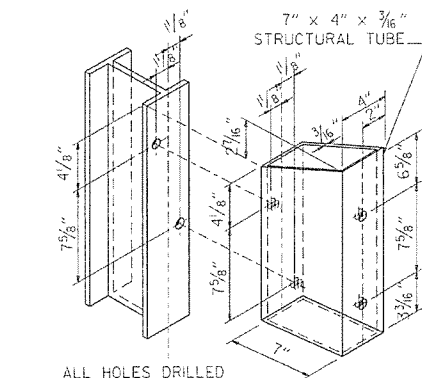
METHOD OF INSTALLATION OF GUARD RAIL AT FIXED OBSTACLE

				ARKANSAS STATE HIGHWAY COMMISSION
				GUARD RAIL DETAILS
				STANDARD DRAWING GR-9A
4-17-08	MINOR REVISION			
11-10-05	DRAWN			
DATE	REVISION		DATE	FILM



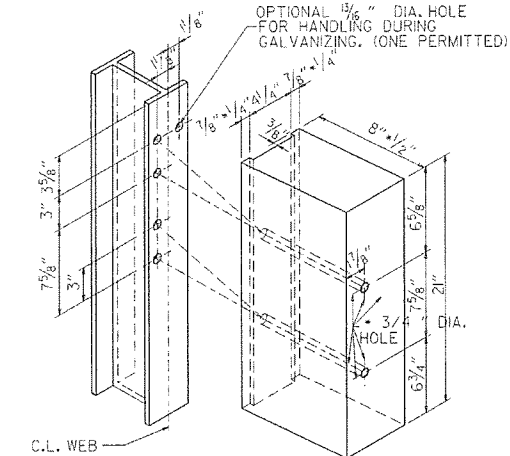
- (1) VERIFY BOLT SPACING FROM RAIL TRANSITION PRODUCER.
- (2) REFER TO APPROACH GUTTER DETAILS.
- (3) LENGTH OF BLOCKOUT ON POST 8 TO BE MODIFIED TO FIT RAIL WIDTH.

THRIE BEAM GUARD RAIL CONNECTION AT BRIDGE ENDS



ALL HOLES DRILLED OR PUNCHED 3/8\"/>

STRUCTURAL STEEL TUBING BLOCKOUT DETAIL



ALL HOLES 3/8\"/>

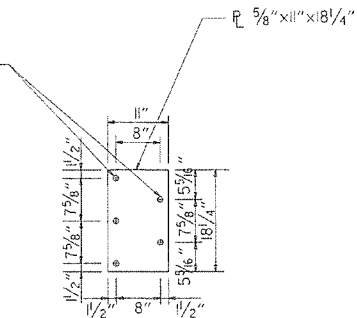
NOTE: BLOCKS SHALL BE THE SAME TYPE THROUGHOUT THE PROJECT LIMITS.

ATTACH BLOCKOUT TO POST USING 5/8\"/>

1\"/>

SPECIAL END SHOE

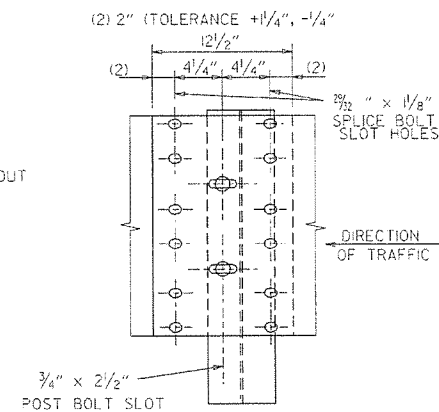
1\"/>



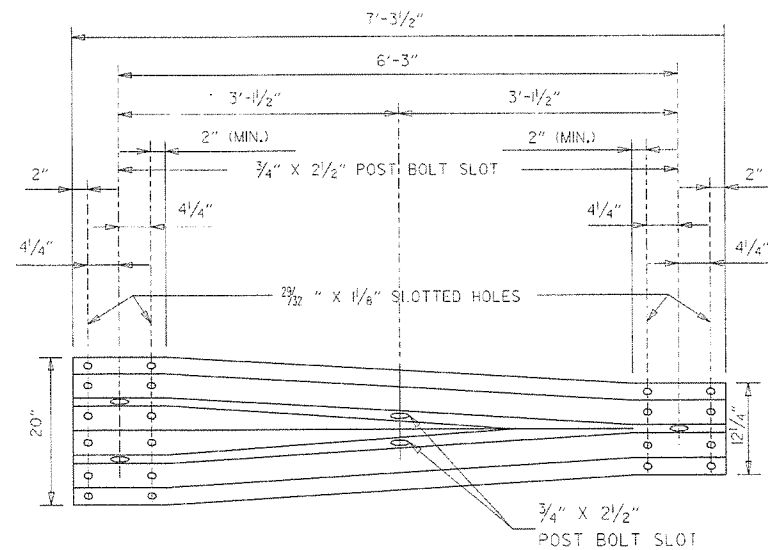
CONNECTOR PLATE

CONNECTOR PLATE SHALL BE AASHTO M270, GR. 36 AND SHALL BE GALVANIZED AFTER FABRICATION. GALVANIZING SHALL CONFORM TO SUBSECTION 807.19 OF THE STANDARD SPECIFICATIONS. CONNECTOR PLATE TO BE BOLTED TO SPECIAL END SHOE USING 3/4\"/>

NOTE: SEE STANDARD DRAWING GR-10A FOR GUARD RAIL POST EMBEDMENT DEPTHS.



THRIE BEAM RAIL SPLICE AT POST



TRANSITION SECTION

GENERAL NOTES:

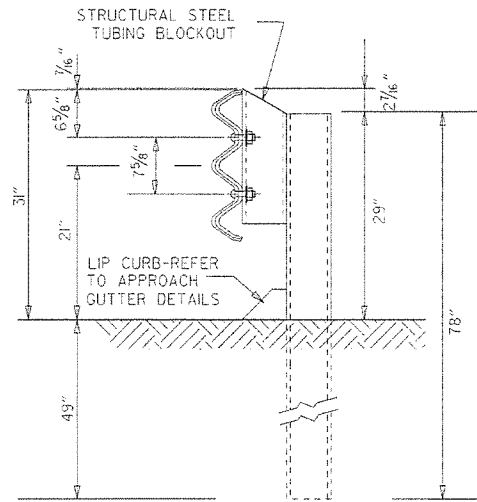
- THE THRIE BEAM RAIL, SPECIAL END SHOE, AND THE TRANSITION SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE. ZINC COATING SHALL BE TYPE I.
- RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.
- ALL BOLTS SHALL BE SUFFICIENT LENGTH TO EXTEND THROUGH THE FULL THICKNESS OF THE NUT AND NO MORE THAN 3/4\"/>
- ALL LAP SPLICES, INCLUDING SPECIAL END SHOES, SHALL BE MADE IN THE DIRECTION SHOWN ON STANDARD DRAWINGS GR-9 & GR-11.
- WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 9.7# (400 #) OR NO. 1 1350 # SOUTHERN PINE.
- REFER TO STD. DRWG. GR-10A FOR POST DETAILS.
- USE THRIE BEAM GUARD RAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB.
- THRIE BEAM POSTS SHALL BE SAME MATERIAL AS W-BEAM POSTS FOR ENTIRE JOB.

DATE	REVISION	DATE FILM
7-14-10	RAISED HEIGHT OF W-BEAM 1"	
11-29-07	ADDED PLASTIC BLOCKOUTS	
11-10-05	ADDED NOTE FOR ATTACHING STEEL BLOCKOUT	
11-18-04	REVISED GENERAL NOTES	
10-9-03	REVISED GENERAL NOTES	
4-10-03	REVISED GENERAL NOTES	
8-22-02	REVISED NOTE (2)	
6-29-00	MOVED DIMENSION LINES	
5-18-00	ADDED NOTE	
3-30-00	DRAWN & ISSUED	

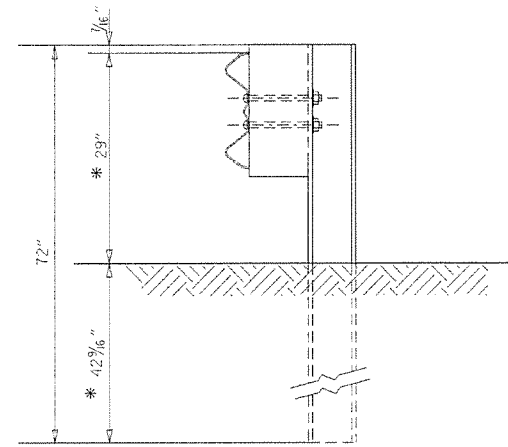
ARKANSAS STATE HIGHWAY COMMISSION

GUARD RAIL DETAILS

STANDARD DRAWING GR-10

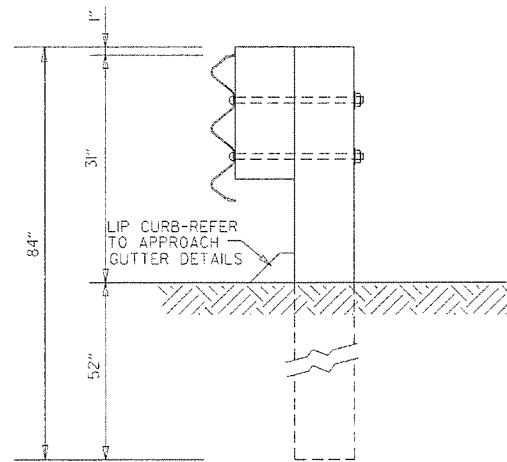


THRIE BEAM RAIL WITH STEEL TUBING BLOCKOUT AND STEEL POST  
POSTS 1-7

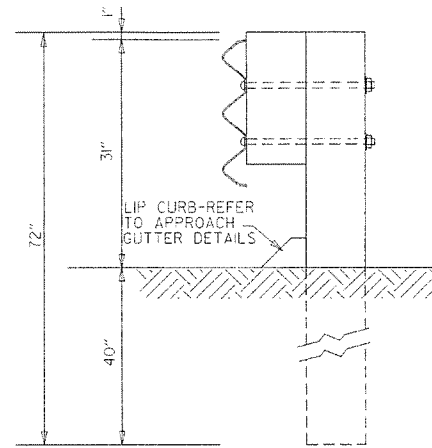


W-BEAM TO THRIE BEAM TRANSITION RAIL WITH WOOD OR PLASTIC BLOCKOUT AND STEEL POST  
POST 8

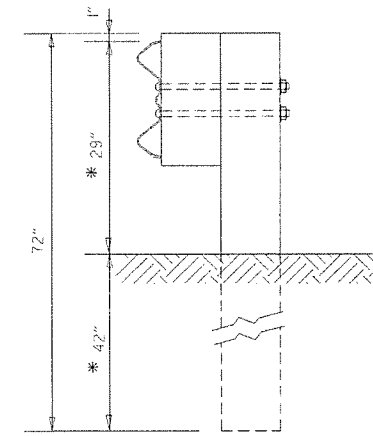
\* NOTE:  
THESE DIMENSIONS WILL NEED TO BE ADJUSTED IN THE FIELD TO MAKE THE TRANSITION FROM 21" MID POINT OF THRIE BEAM TO 22" MID POINT OF W-BEAM.



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



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



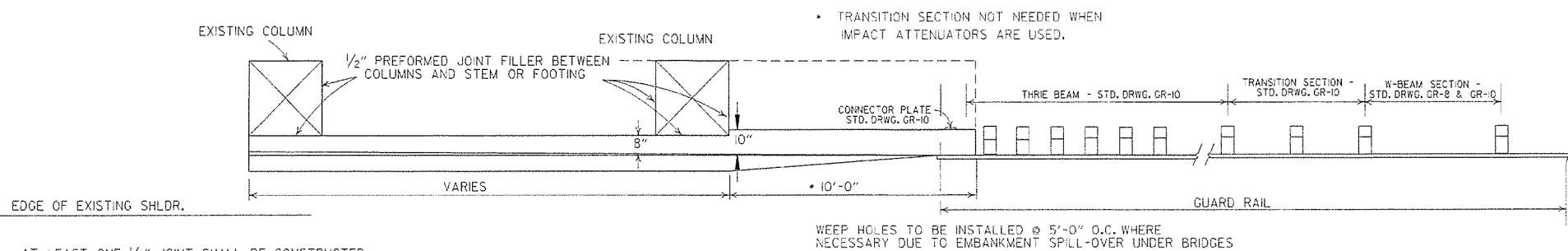
W-BEAM TO THRIE BEAM TRANSITION RAIL WITH WOOD OR PLASTIC BLOCKOUT & WOOD POST  
POST 8

GENERAL NOTES:  
RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.  
WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 3.7 F (400 F) OR NO. 1 350 F SOUTHERN PINE.

DATE	REVISION	DATE	FILM
7-14-10	REVISED POST & DIMENSIONS		
11-29-07	ADDED PLASTIC BLOCKOUTS		
8-22-02	REVISED LIP CURB NOTE		
3-30-00	DRAWN & ISSUED		

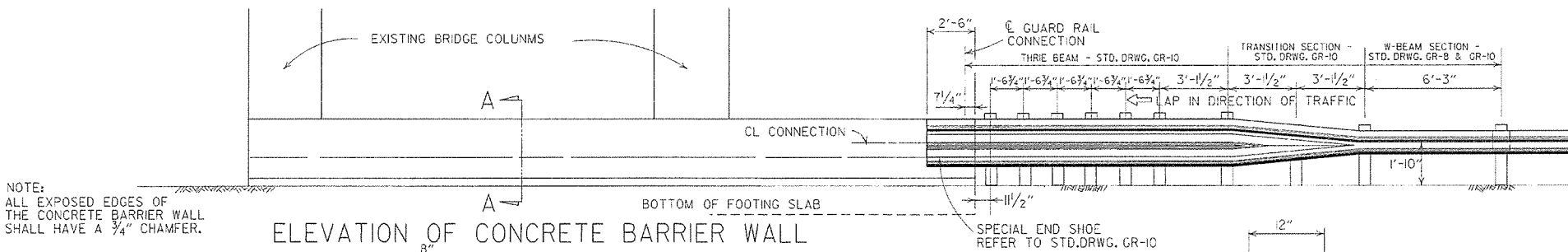
ARKANSAS STATE HIGHWAY COMMISSION
GUARD RAIL DETAILS
STANDARD DRAWING GR-10A





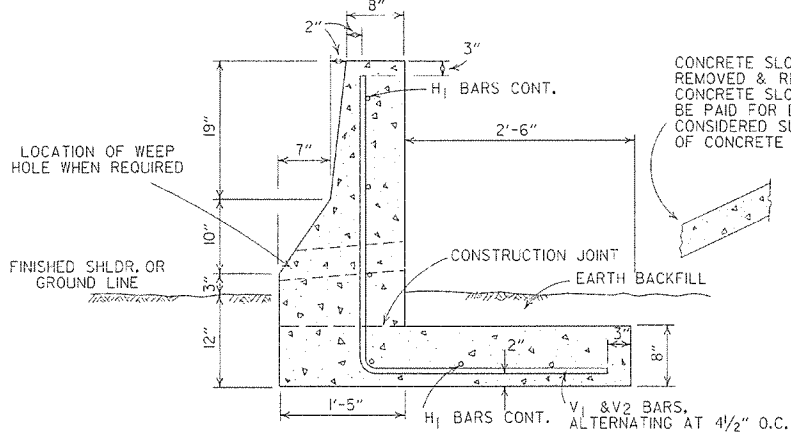
AT LEAST ONE 1/2" JOINT SHALL BE CONSTRUCTED IN THE CONCRETE BARRIER WALL. JOINTS SHALL BE EQUALLY SPACED AT A MAXIMUM OF 25'-0" O.C. FILL JOINT WITH PREFORMED JOINT FILLER.

PLAN OF CONCRETE BARRIER WALL

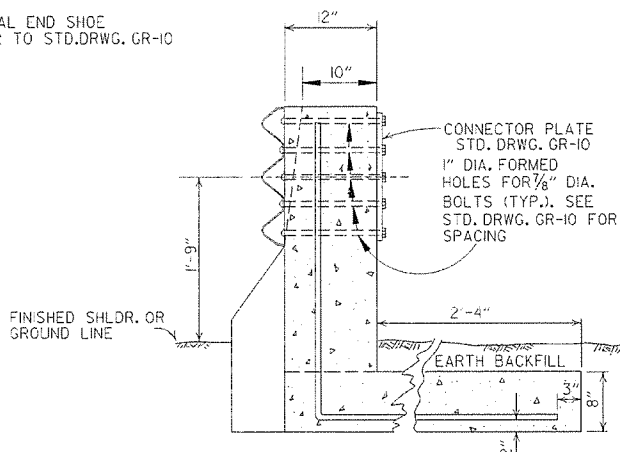


NOTE: ALL EXPOSED EDGES OF THE CONCRETE BARRIER WALL SHALL HAVE A 1/4" CHAMFER.

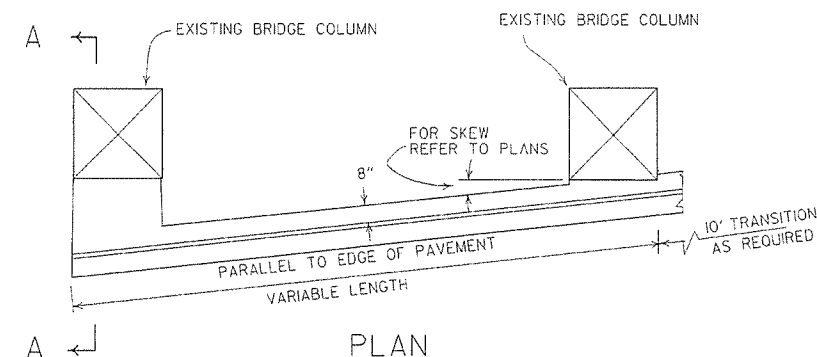
ELEVATION OF CONCRETE BARRIER WALL



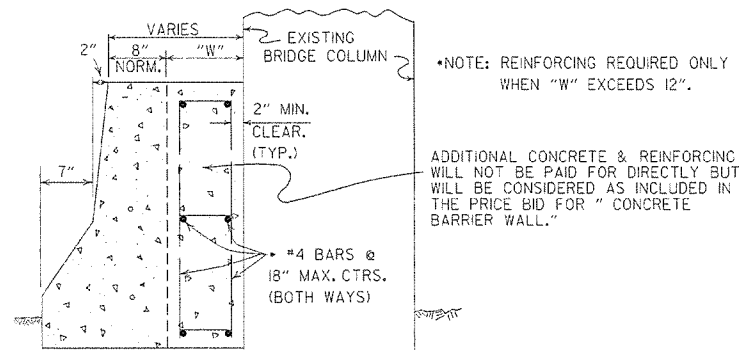
SECTION A-A



SECTION THRU CONNECTION



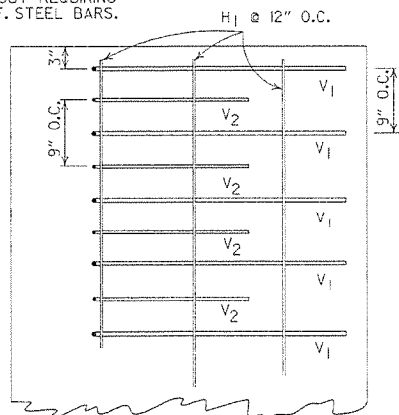
PLAN



SECTION A-A

DETAILS OF CONCRETE BARRIER WALL WHEN PIERS ARE SKEWED TO ROADWAY

IF FOR ANY REASON IT IS NECESSARY TO CONSTRUCT THE FOOTING AT A LOWER ELEVATION THAN IS SHOWN, THE STEM MAY BE LENGTHENED 1'-0" BETWEEN FIN. SHLDR. AND TOP OF FOOTING WITHOUT REQUIRING HEAVIER REINF. STEEL BARS.

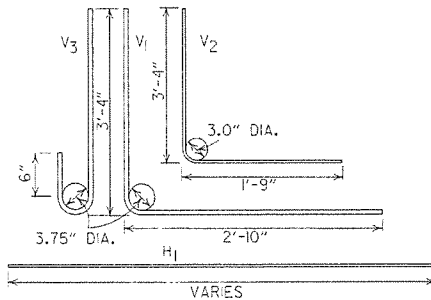


PLAN OF REINFORCING STEEL IN FOOTING

BAR LIST

MARK	NO.	SIZE	LENGTH
V1		#5	6'-2 1/4"
V2		#4	5'-1"
V3		#5	2'-1 1/8"
H1	6	4	VAR.

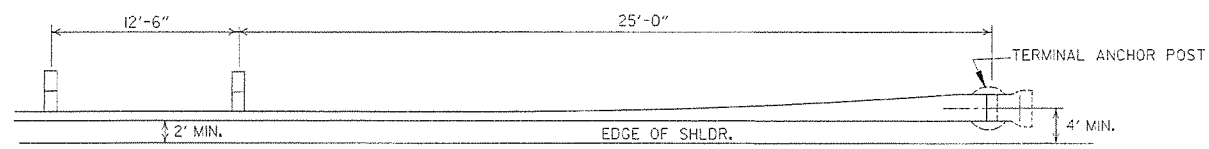
THE V3 BARS SHALL BE USED IN PLACE OF THE V1 & V2 BARS IN FRONT OF PIERS.



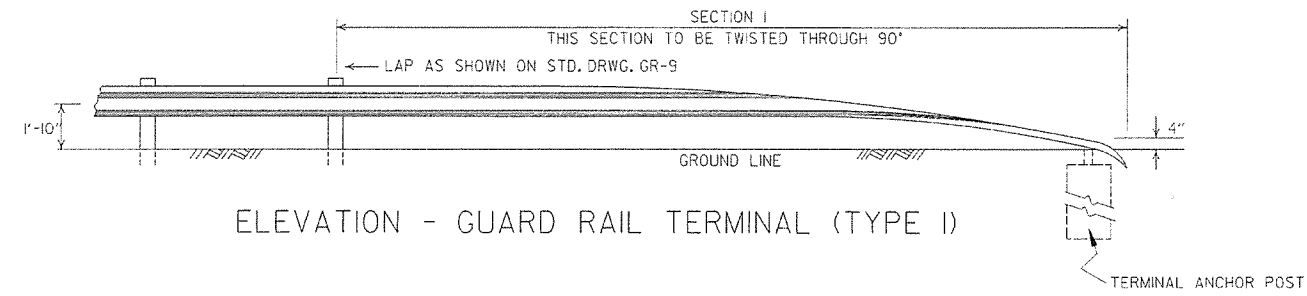
BEND DIAGRAMS

DATE	REVISION	DATE FILM
7-14-10	RAISED HEIGHT OF W-BEAM 1"	
8-22-02	REV. SECTION A-A OF DETAILS OF CONCRETE BARRIER WALL	
6-29-00	MOVED DIMENSION LINE	
5-18-00	ADDED NOTE	
3-30-00	REVISED TO INCLUDE THRIE BEAM	
6-2-94	ADDED TRANSITION SECTION NOTE	
10-1-92	REDRAWN & REVISED	10-1-92
8-15-91	REVISED DRAWING PLAN CONC. BARR.	8-15-91
2-16-89	ADDED SKEWED DETAILS	594-2-16-89
7-14-88	CHANGED TITLE	
10-9-87	REDRAWN & REVISED	

ARKANSAS STATE HIGHWAY COMMISSION  
 CONCRETE BARRIER WALL (PIER PROTECTION TYPE A)  
 STANDARD DRAWING GR-II

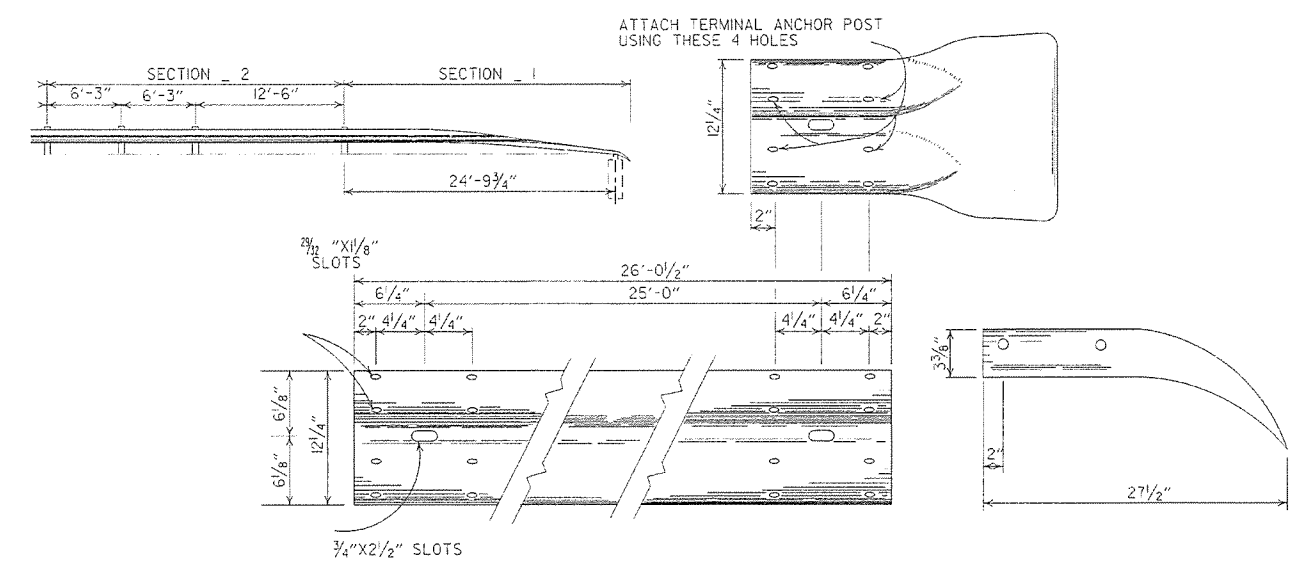


PLAN - GUARD RAIL TERMINAL (TYPE I)



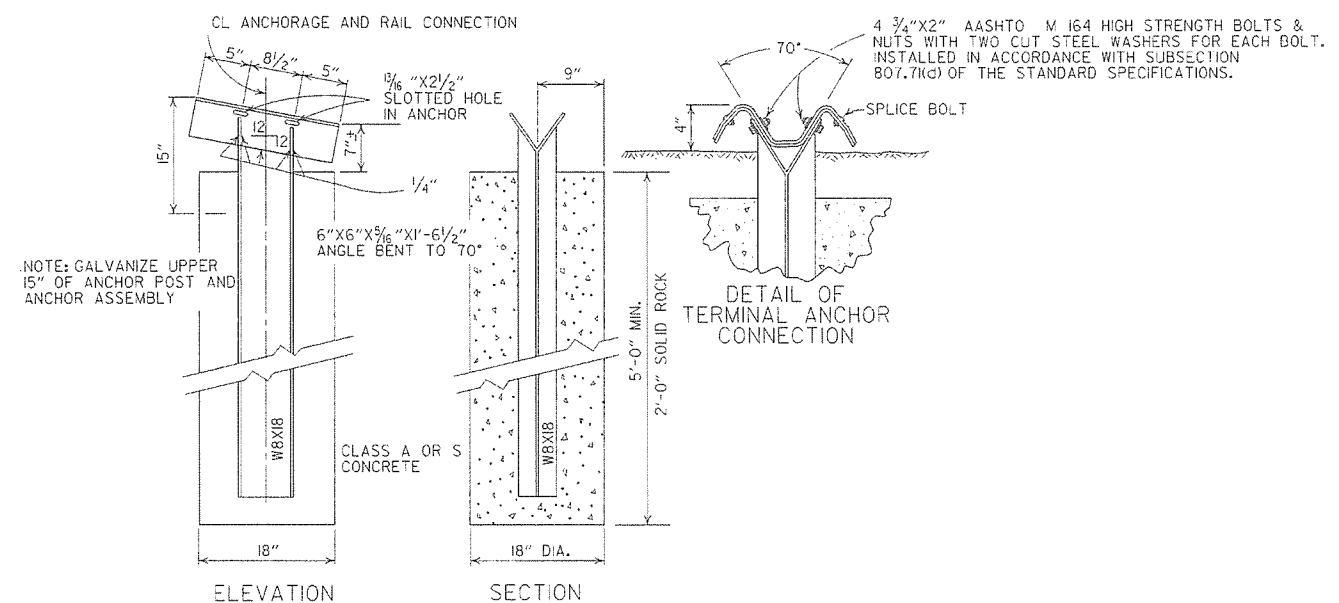
ELEVATION - GUARD RAIL TERMINAL (TYPE I)

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

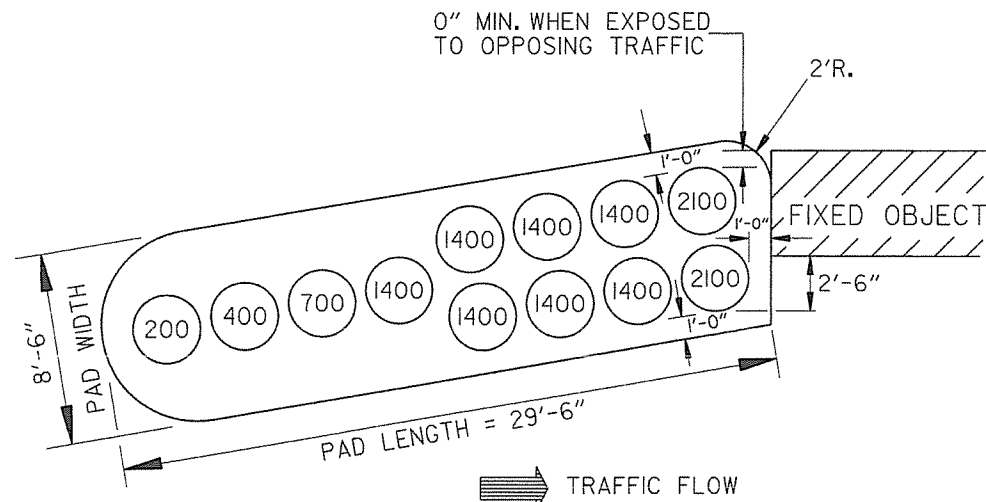
TERMINAL SECTION



DETAIL OF TERMINAL ANCHOR POST (TYPE I)

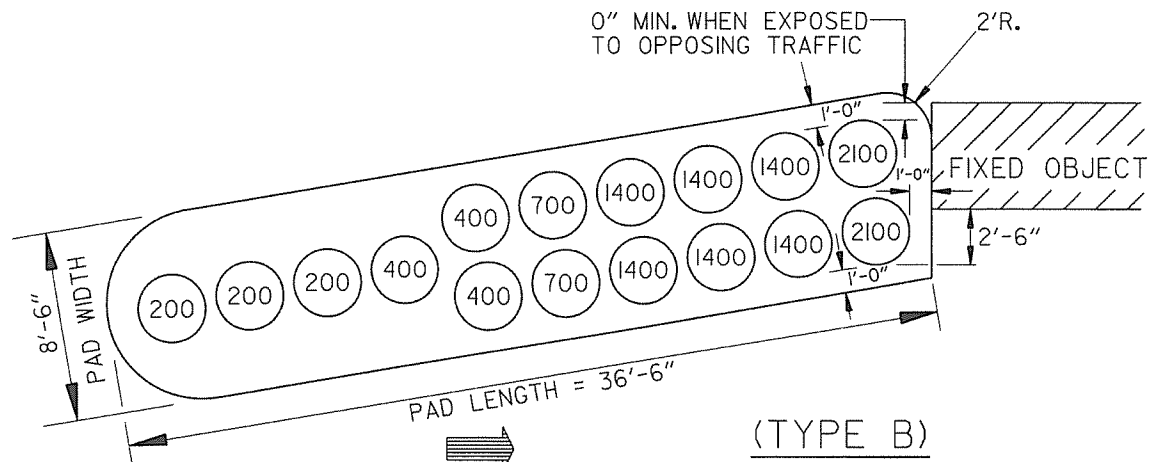
NOTE: RAIL MEMBERS MAY BE BOLTED TO ANGLE AT TERMINAL ANCHOR AND THE TWO ASSEMBLIES POSITIONED TO PROPER ALIGNMENT PRIOR TO PLACING CONCRETE AROUND 8 WF 17 POST IF CONTRACTOR SO DESIRES.

		ARKANSAS STATE HIGHWAY COMMISSION
		GUARD RAIL DETAILS
7-14-10	RAISED HEIGHT OF GUARD RAIL 1"	STANDARD DRAWING GRT-I
6-26-97	REVISED LAP NOTE	
10-18-86	REVISED ASTM REF. TO AASHTO	
11-3-94	DIMENSION TERMINAL DETAIL	
11-11-92	ADDED NOTE FOR PAYMENT	
10-1-92	DRAWN & ISSUED	11-11-92
DATE	REVISION	DATE FILM



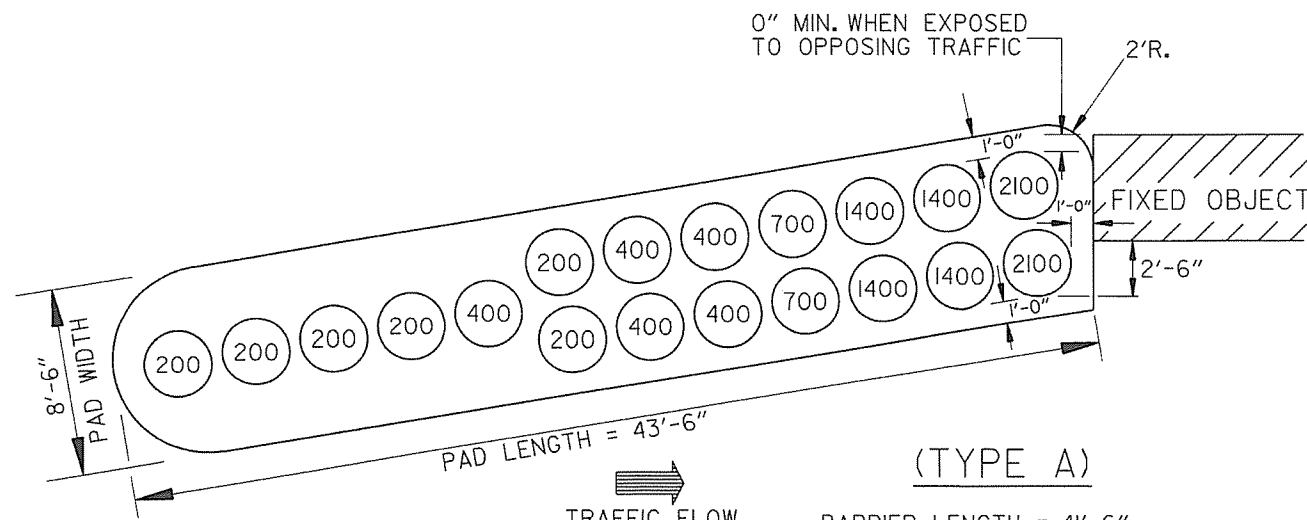
(TYPE C)

BARRIER LENGTH = 27'-6"  
 DESIGN IMPACT SPEED = 50 M.P.H. = 73.3 fps



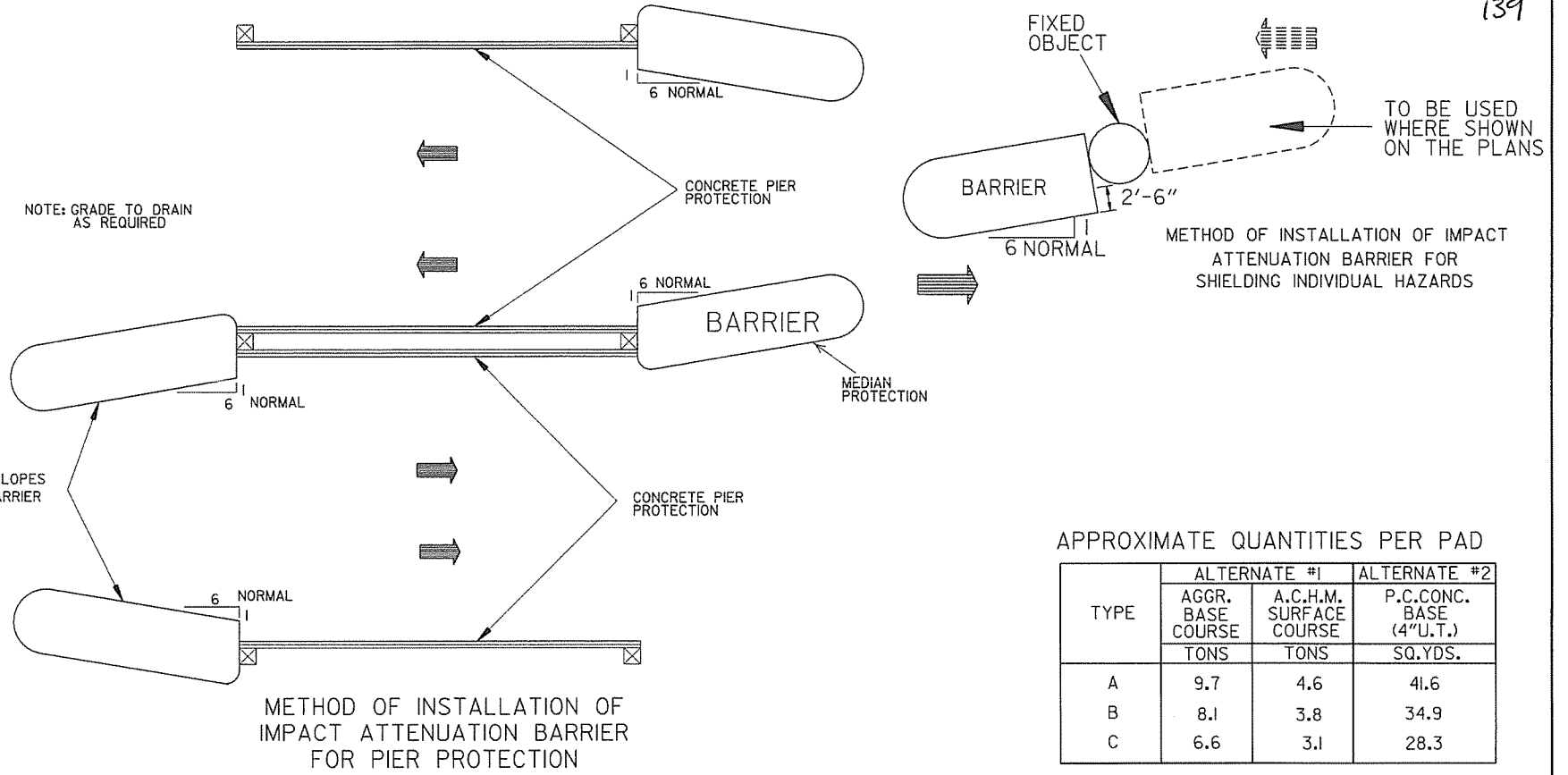
(TYPE B)

BARRIER LENGTH = 34'-6"  
 DESIGN IMPACT SPEED = 60 M.P.H. = 88 fps



(TYPE A)

BARRIER LENGTH = 41'-6"  
 DESIGN IMPACT SPEED = 70 M.P.H. = 103 fps



METHOD OF INSTALLATION OF IMPACT ATTENUATION BARRIER FOR PIER PROTECTION

GENERAL NOTES

1. DIMENSIONS SHOWN ARE TO TOP OF PLASTIC MODULES.
2. SPACING BETWEEN PLASTIC MODULES SHALL NOT EXCEED 6" AT THE TOP.
3. PLASTIC MODULES SHALL MEET THE REQUIREMENTS OF NCHRP-350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

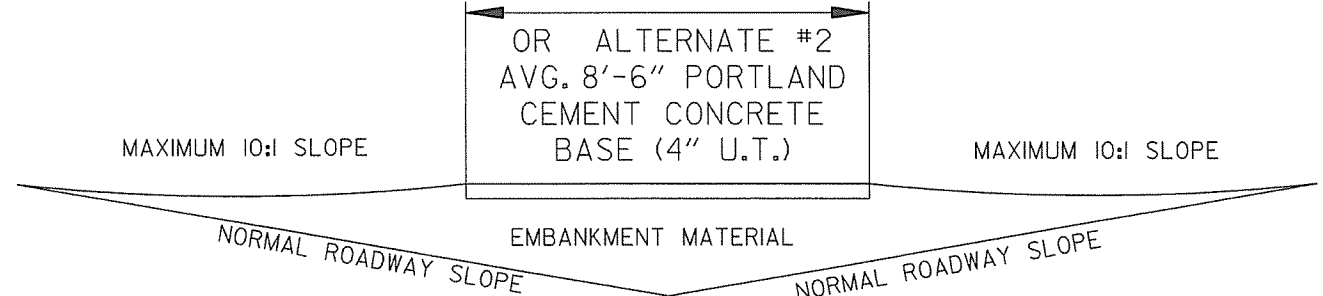
APPROXIMATE QUANTITIES PER PAD

TYPE	ALTERNATE #1		ALTERNATE #2
	AGGR. BASE COURSE TONS	A.C.H.M. SURFACE COURSE TONS	P.C.CONC. BASE (4" U.T.) SQ.YDS.
A	9.7	4.6	41.6
B	8.1	3.8	34.9
C	6.6	3.1	28.3

NOTE: APPROXIMATE QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. PAYMENT TO BE INCLUDED IN UNIT PRICE BID FOR IMPACT ATTENUATION BARRIER.

ALTERNATE #1  
 AVG. 8'-6" A.C.H.M. SURF. COURSE (1/2")  
 220 LBS. PER SQ. YD. &  
 AGGREGATE BASE COURSE  
 (4" COMPACTED DEPTH)

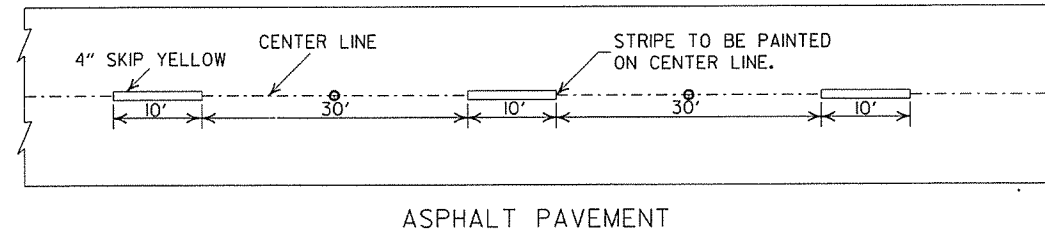
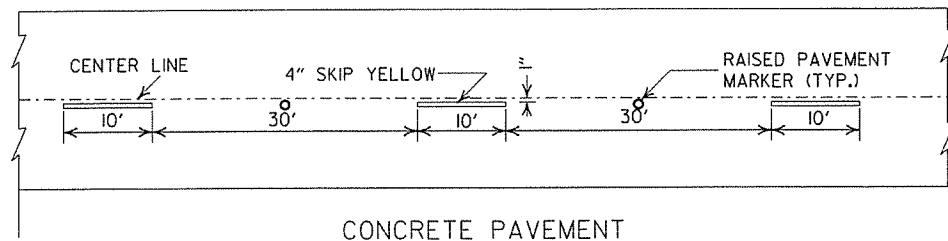
OR ALTERNATE #2  
 AVG. 8'-6" PORTLAND  
 CEMENT CONCRETE  
 BASE (4" U.T.)



DETAIL OF BARRIER PAD

NOTE: BARRIER PAD TO BE SKEWED TOWARD ONCOMING TRAFFIC  
 A MAXIMUM OF 6:1 WITH 6:1 BEING NORMAL

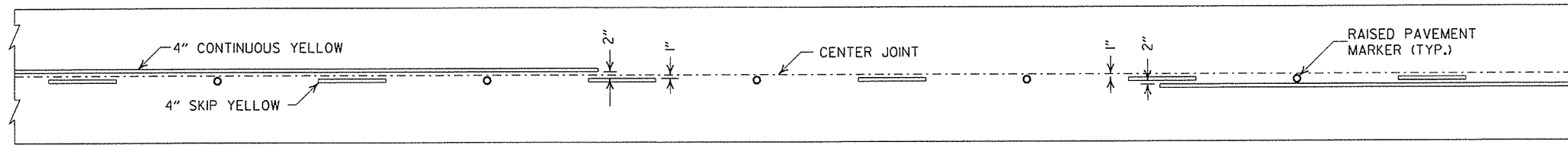
10-15-09	ADDED REFERENCE TO MASH		ARKANSAS STATE HIGHWAY COMMISSION
11-29-07	REVISED TY. A & TY. C ARRAYS		
11-19-98	REVISED FIXED OBJECT		
11-18-98	REV. NOTES & TYPE A MOD. WTS.		
10-18-96	REDRAWN		
7-15-88	CONFORMED TO 1988 SPECS		
7-29-87	REDRAWN		IMPACT ATTENUATION BARRIER
			STANDARD DRAWING IB-1
DATE	REVISION	DATE FILMED	



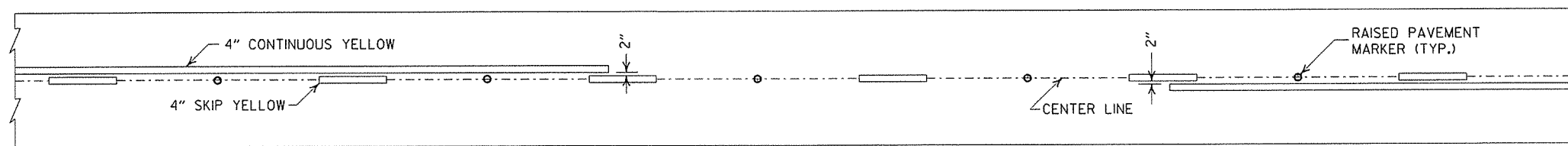
CONCRETE PAVEMENT

ASPHALT PAVEMENT

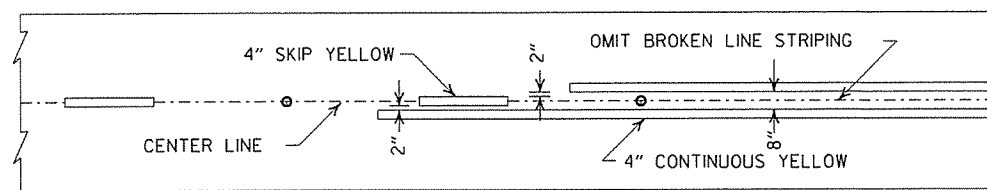
BROKEN LINE STRIPING



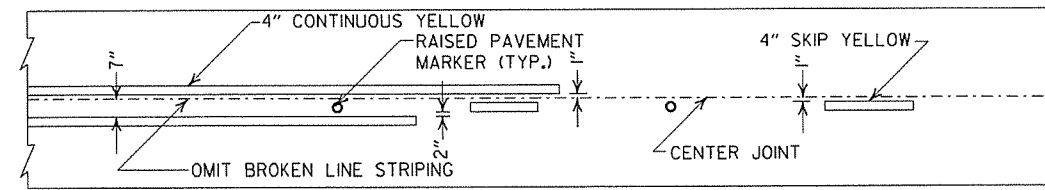
SOLID LINE STRIPING ON CONCRETE PAVEMENT



SOLID LINE STRIPING ON ASPHALT PAVEMENT

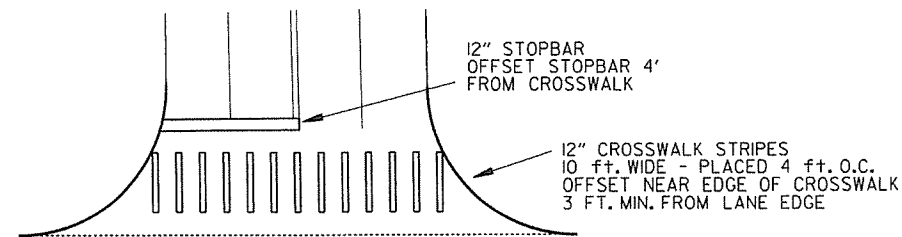


ASPHALT PAVEMENT



CONCRETE PAVEMENT

STRIPING AT ADJACENT NO PASSING LANES

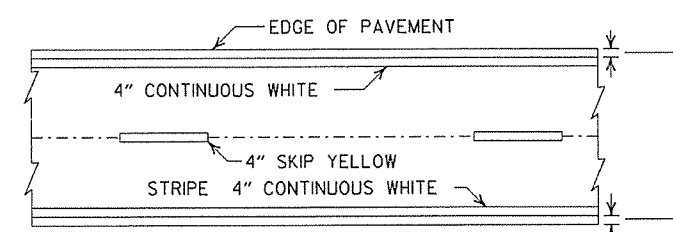


CROSSWALK AND STOPBAR DETAILS

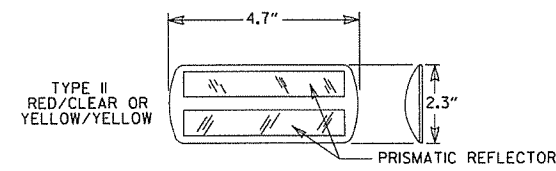
NOTES:

1. ALL LINES SHALL HAVE A WIDTH OF 4 INCHES.
2. THE THICKNESS AND RATE OF PAINT APPLICATION SHALL BE AS SPECIFIED IN SECTION 718 OF THE STANDARD SPECIFICATIONS.
3. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH THE LATEST REVISED ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
4. RAISED PAVEMENT MARKERS SHALL BE CENTERED BETWEEN SKIP LINES ON 40 FEET SPACING UNLESS OTHERWISE SHOWN ON THE PLANS.

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



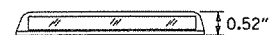
PAVEMENT EDGE LINE MARKING



TYPE II RED/CLEAR OR YELLOW/YELLOW

PRISMATIC REFLECTOR

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



DETAIL OF STANDARD RAISED PAVEMENT MARKERS

GENERAL NOTES:

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

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

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

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

ARKANSAS STATE HIGHWAY COMMISSION

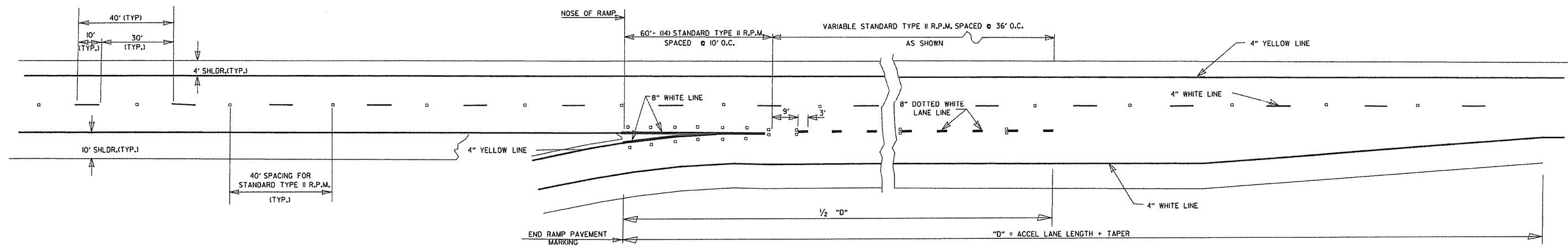
PAVEMENT MARKING DETAILS

STANDARD DRAWING PM-1

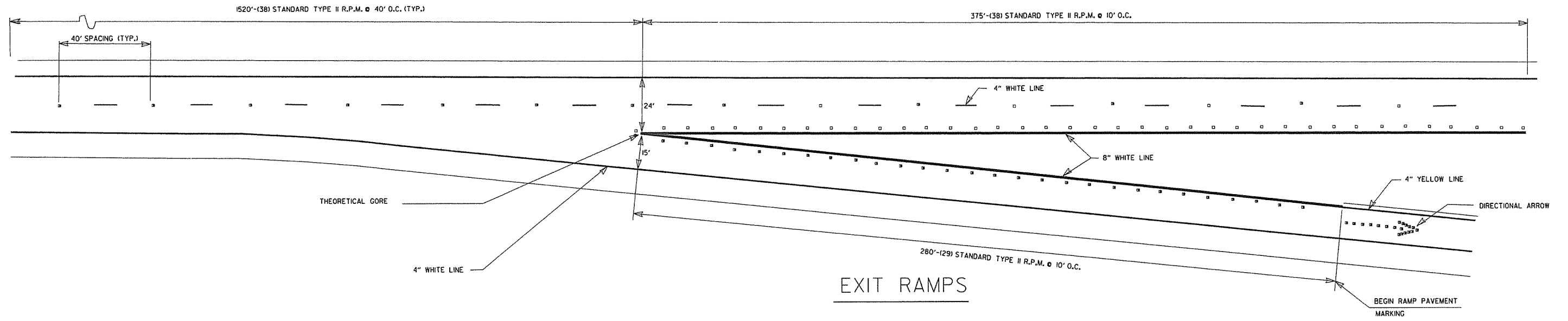
PAVEMENT MARKING QUANTITIES  
(BASED ON 700' ACCEL. LANE + 300' TAPER)

ENTRANCE RAMP  
8" WHITE = 228 LIN. FT.  
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH

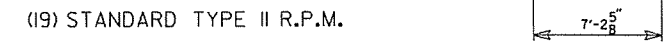
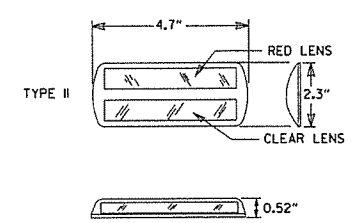
EXIT RAMP  
4" WHITE = 280 LIN. FT.  
8" WHITE = 655 LIN. FT.  
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH  
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 48 EACH  
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH



ENTRANCE RAMPS



EXIT RAMPS



(19) STANDARD TYPE II R.P.M.  
DIRECTIONAL ARROWS

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

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

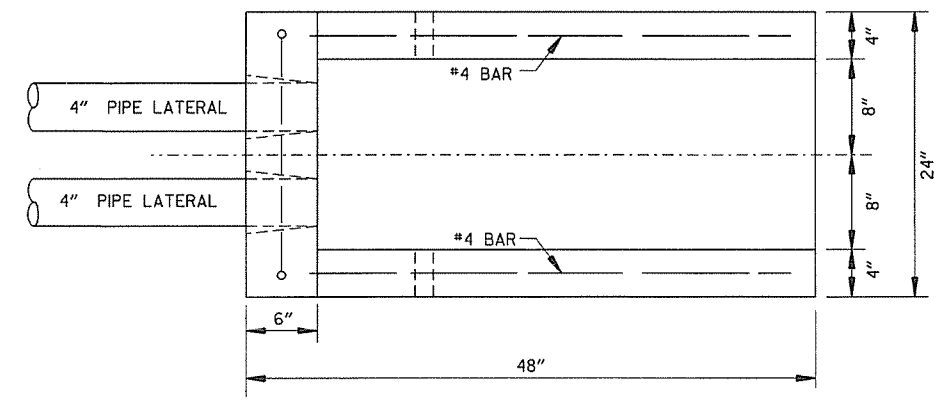
NOTE:  
DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE AHTD QUALIFIED PRODUCTS LIST.

DATE	REVISION	FILMED
9-12-13	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS	
7-26-12	REVISED RPM NOTATION	
12-15-11	REVISED RPMs ACCORDING TO LATEST POLICY	
11-17-10	REMOVED PLOWABLE PAVEMENT MARKERS	
6-3-10	REVISED PER 2009 MUTCD	
11-18-04	REVISED NOTES	
8-22-02	ADDED & REVISED NOTES; REV. ENTRANCE & EXIT RAMPS	
5-18-00	REMOVED HASHMARKS	
7-02-98	CHANGED TYPES TO ROMAN NUMERALS	
4-26-96	ADDED DIMENSIONS & QUANTITIES; REVISED LANE WIDTH ON EXIT RAMP	
2-2-95	PLACED IN USE	2-2-95

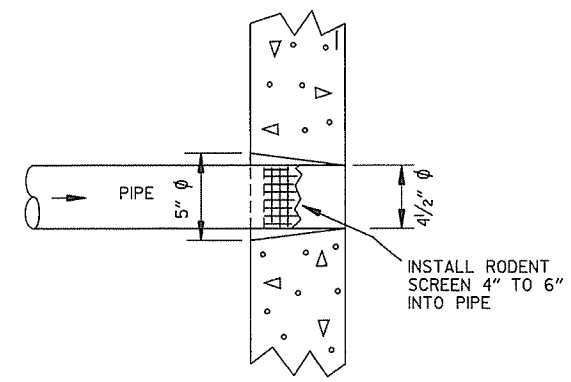
ARKANSAS STATE HIGHWAY COMMISSION  
PERMANENT PAVEMENT MARKING  
ON ACCESS CONTROLLED ROADWAYS  
STANDARD DRAWING PM-2

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

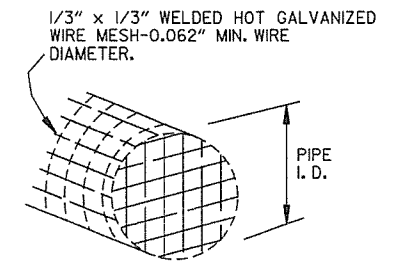
NOTE:  
 1. GRANULAR BACKFILL TO BE SUBSIDIARY TO PIPE UNDERDRAIN.  
 2. UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE UNDERDRAIN COVER SHALL BE THOROUGHLY COMPACTED EARTH AND SHALL BE SUBSIDIARY TO PIPE UNDERDRAIN.  
 3. GRANULAR MATERIAL SHALL BE WRAPPED WITH GEOTEXTILE FABRIC, LAP FABRIC 12" OR THE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



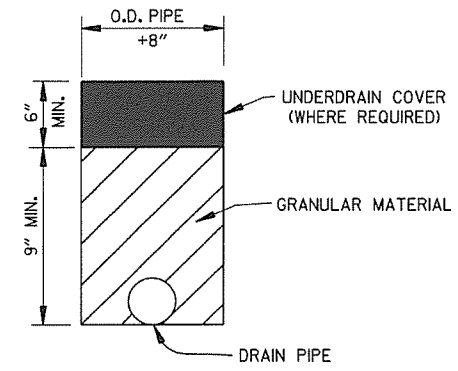
PLAN VIEW



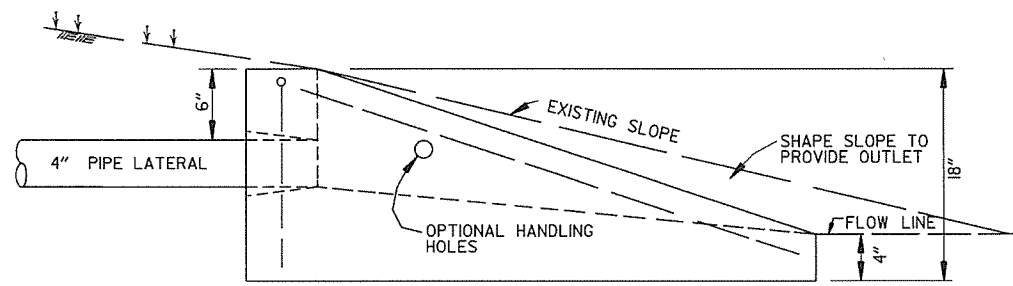
DETAIL OF HOLE FOR 4" PIPE



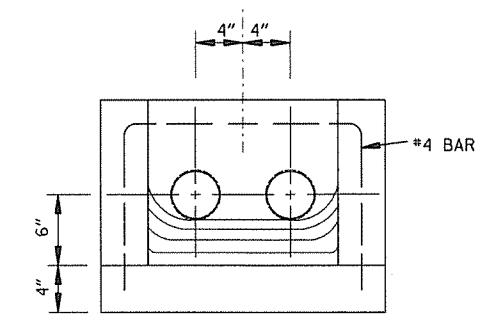
DETAIL OF RODENT SCREEN



DETAILS OF PIPE UNDERDRAIN



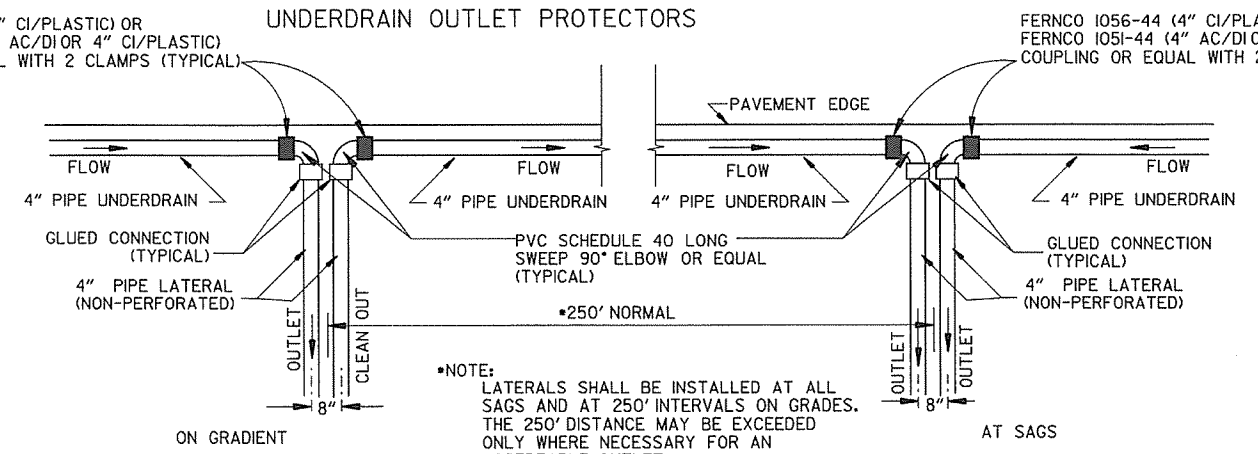
SIDE VIEW



FRONT VIEW

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

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



DETAIL OF PIPE UNDERDRAIN LATERALS WHEN PLACED ALONG PAVEMENT EDGE

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

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

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF PIPE UNDERDRAIN

STANDARD DRAWING PU-1

ADVANCE DISTANCES (XXXX)

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


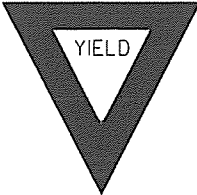





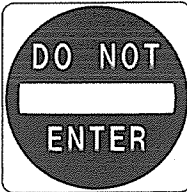

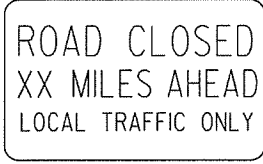

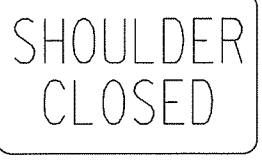
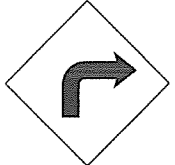
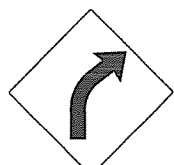
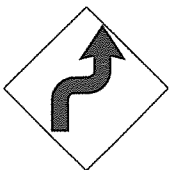
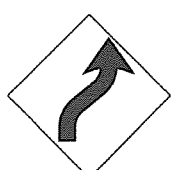
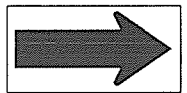
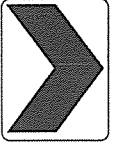
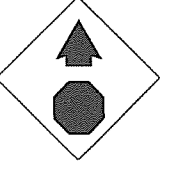
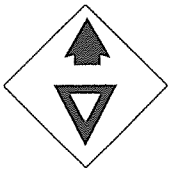
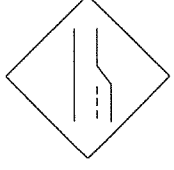

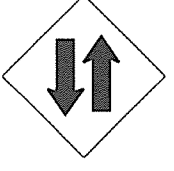

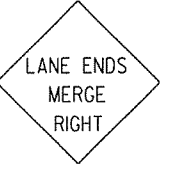






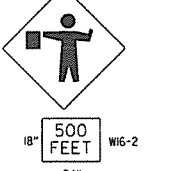

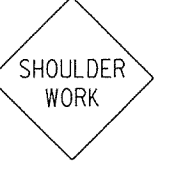
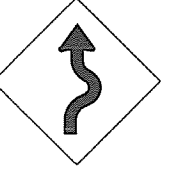
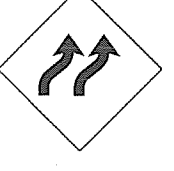


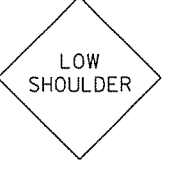
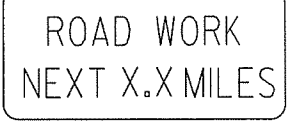
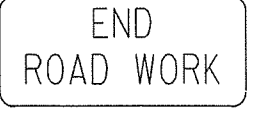
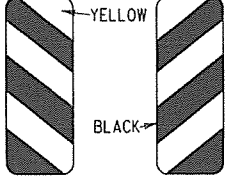
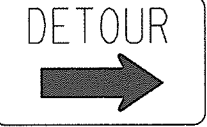
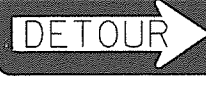
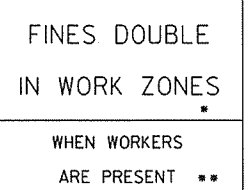
GENERAL NOTES:

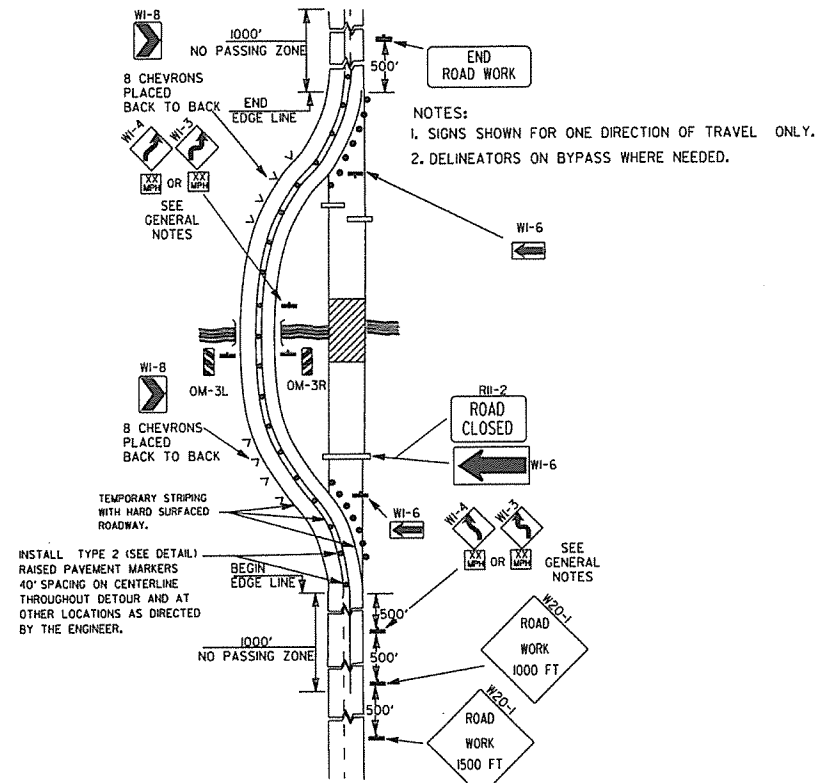
- ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START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

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

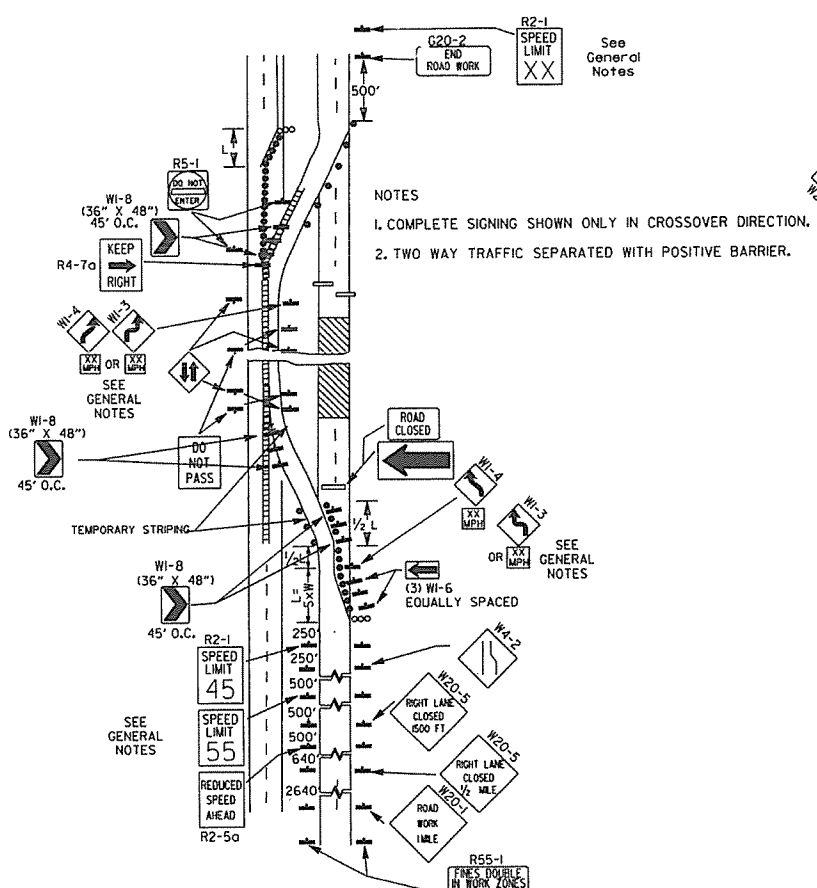
DATE	REVISION	FILMED
12-15-11	REVISED W24-1	
11-17-10	DELETED W8-9a & ADDED W8-9	
10-15-09	ADDED REFERENCE TO MASH & ADDED SIGN W24-1	
4-17-08	REVISED SIGN DESIGNATIONS	
11-18-04	REVISED NOTES	
10-9-03	REVISED NOTE 1	
11-16-01	REVISED NOTE 7	
9-28-00	REVISED NOTE	
11-18-98	ADDED NOTE	
6-26-97	REVISED NOTE 5	
4-03-97	REVISED NOTE 5	
10-18-95	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

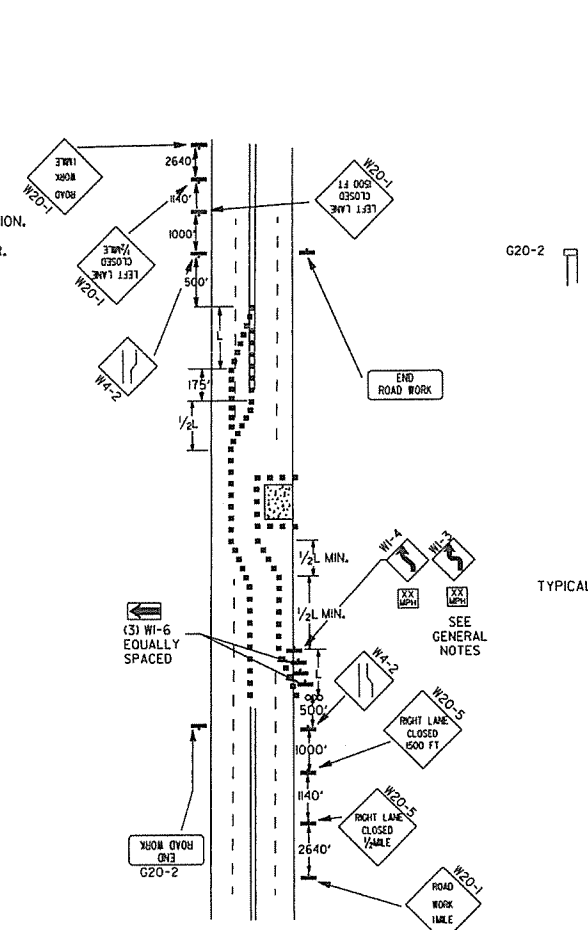
<p>RI-1</p>  <p>STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"</p>	<p>RI-2</p>  <p>STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"</p>	<p>R2-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5A</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-5C</p>  <p>STD. 24"x30" EXPWY.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



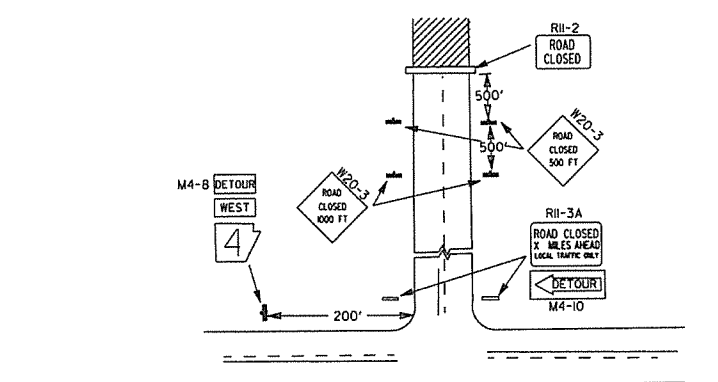
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



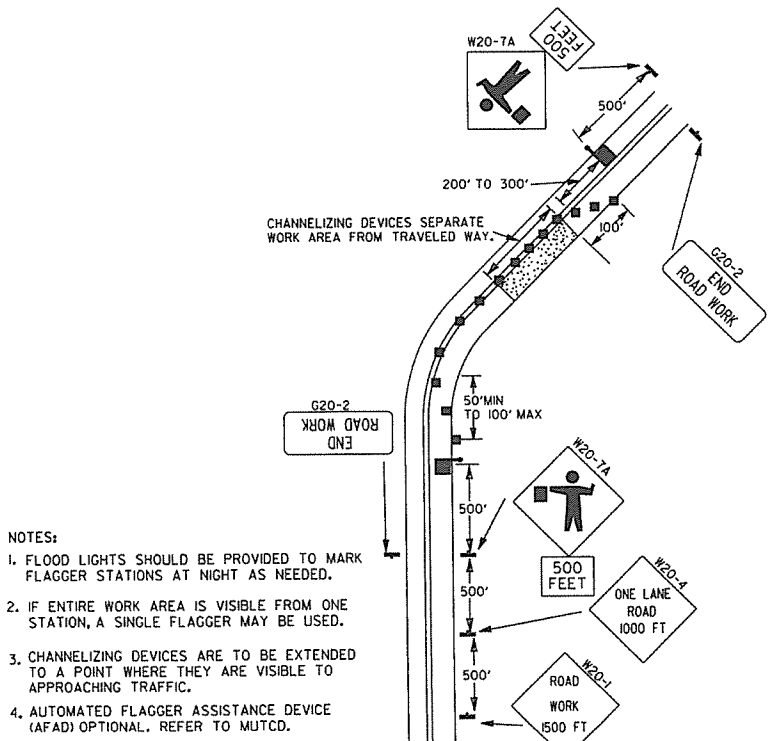
(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



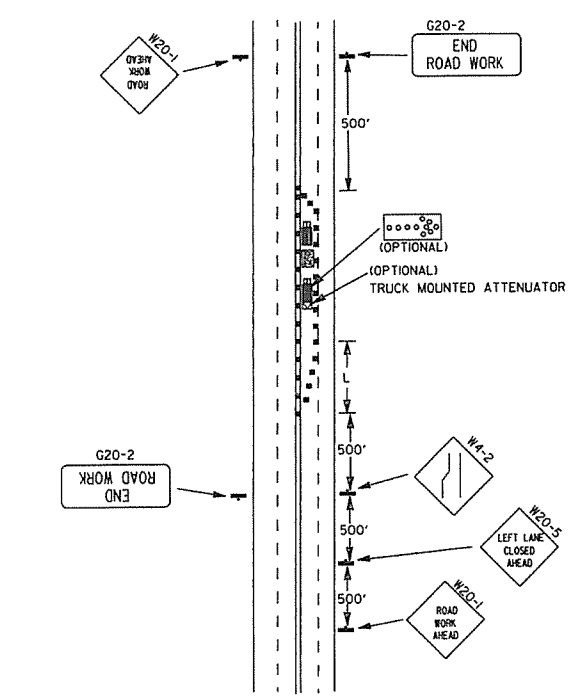
(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



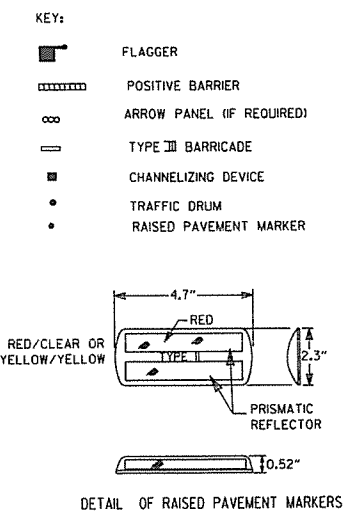
(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.



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



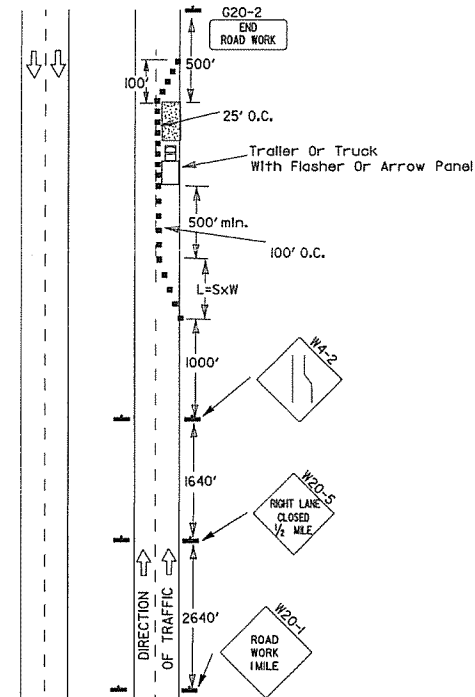
(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.



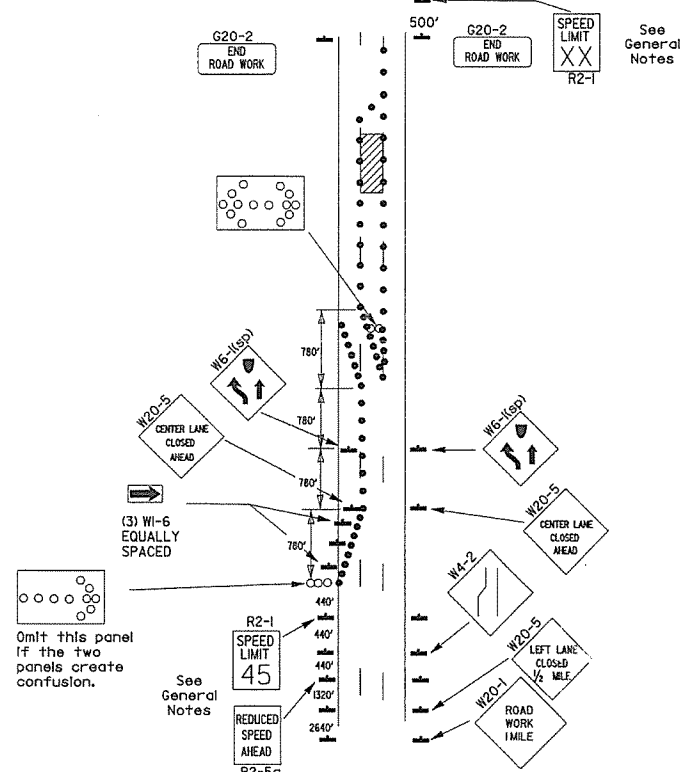
TYPICAL ADVANCE WARNING SIGN PLACEMENT

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





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



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

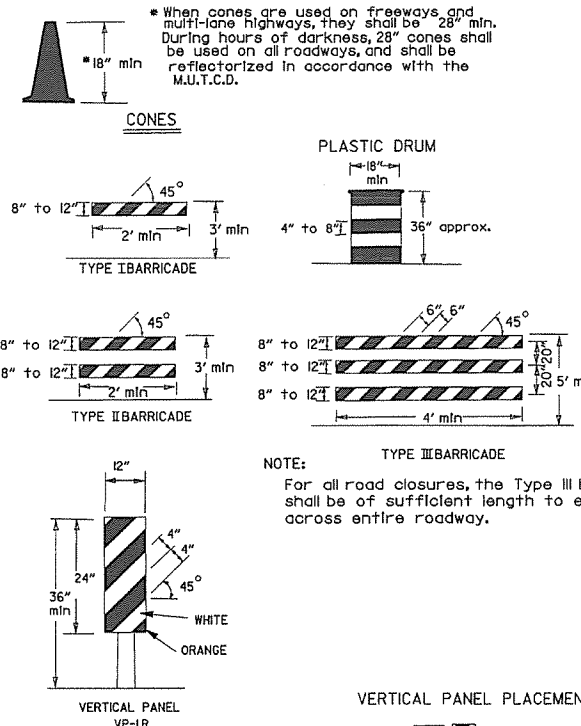
- KEY:
- Arrow Panel (if Required)
  - Channelizing Device
  - Traffic drum

GENERAL NOTES:

1. A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the R2-5A shall be installed at that location. Additional R2-145mph speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1XX 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 R2-155mph speed limit signs shall be installed at a maximum of 1 mile intervals. At the end of the work area a R2-1XX 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 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.

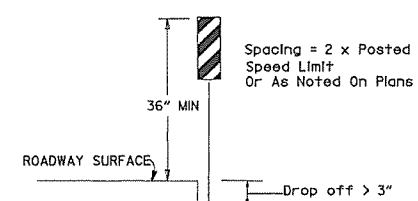
(C) Typical application - construction operations of intermediate to long term duration on a 4-lane divided roadway where half of the roadway is closed.

Channelizing devices



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

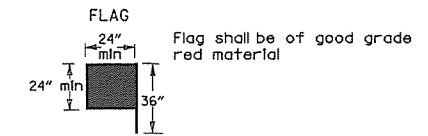
VERTICAL PANEL PLACEMENT



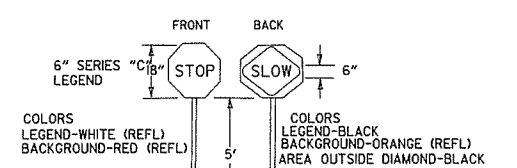
TRAFFIC CONTROL DEVICES FOR VERTICAL PAVEMENT DIFFERENTIALS

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

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

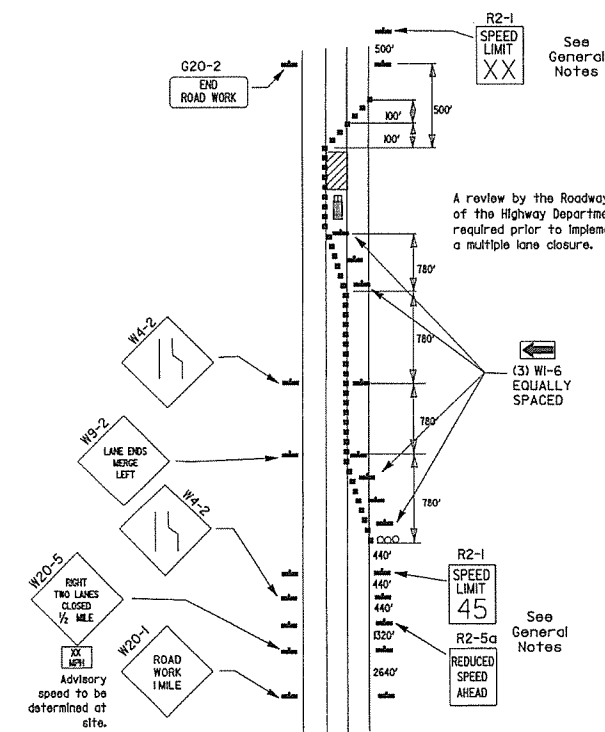
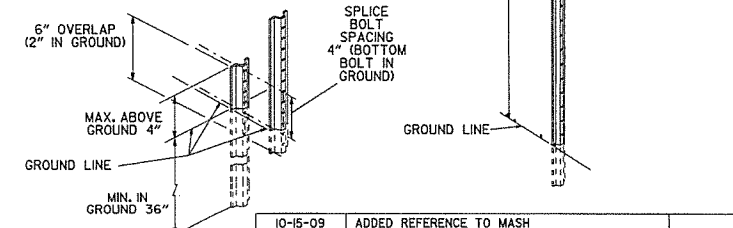


STOP SLOW PADDLE



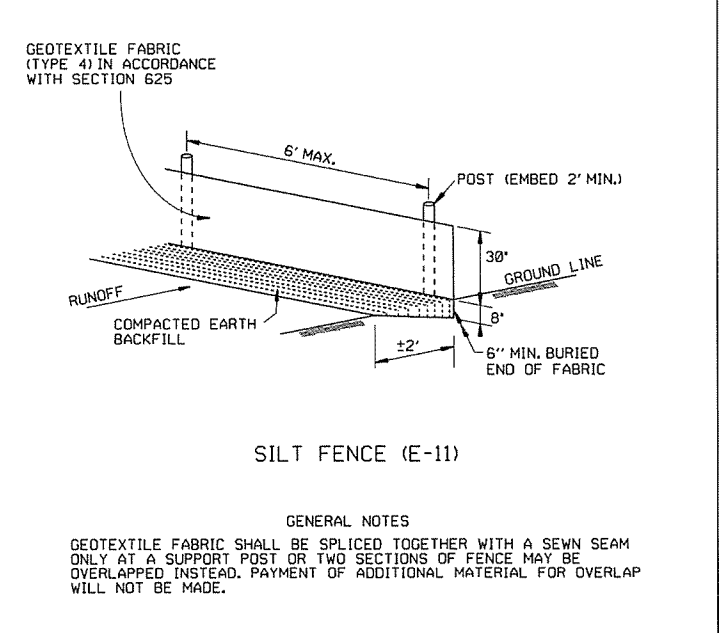
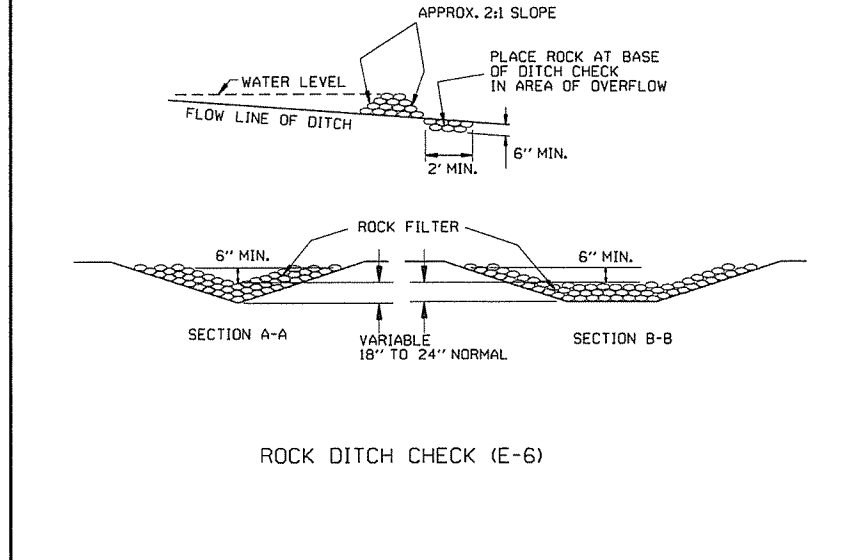
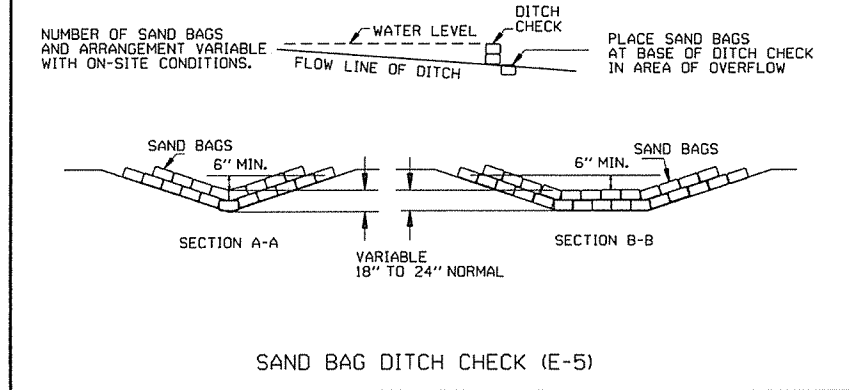
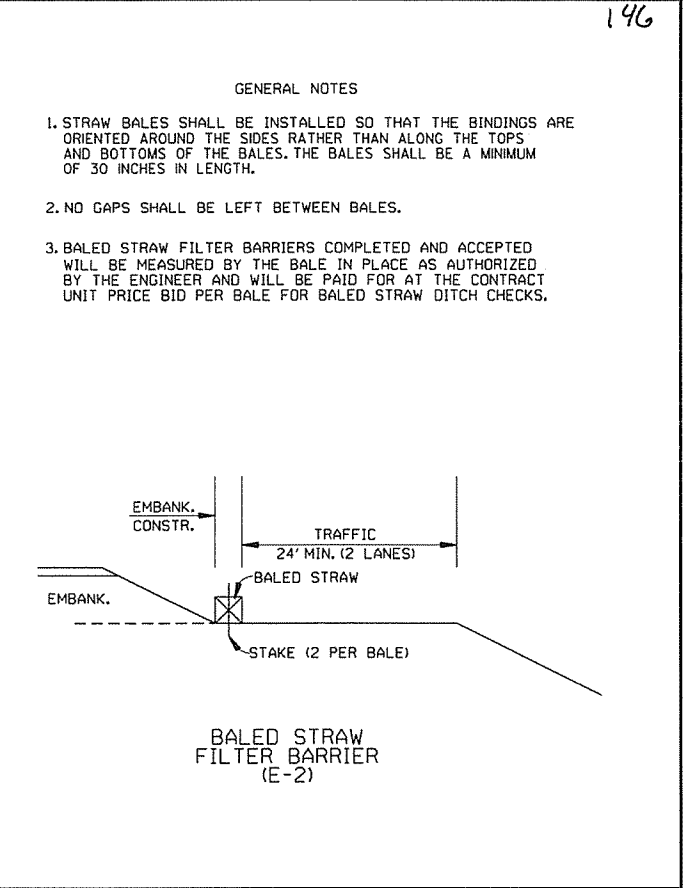
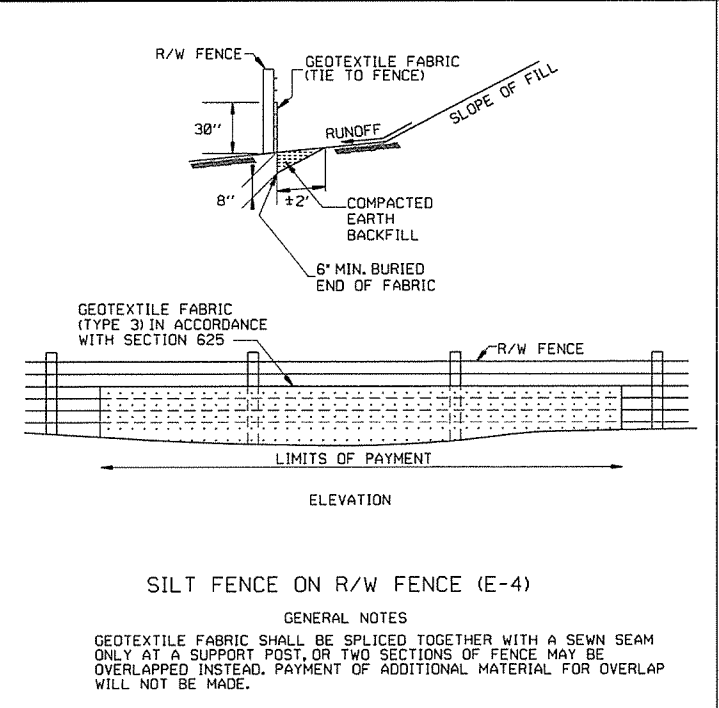
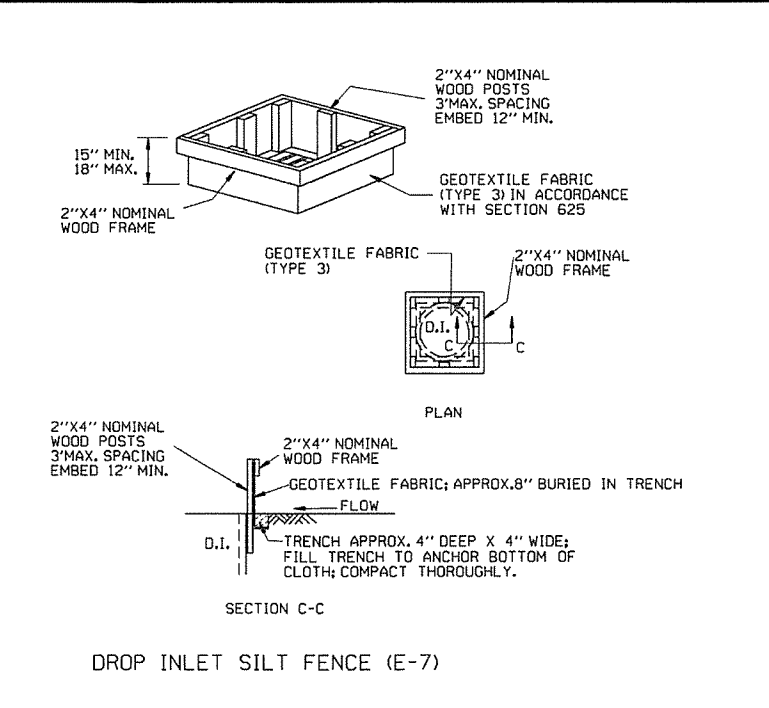
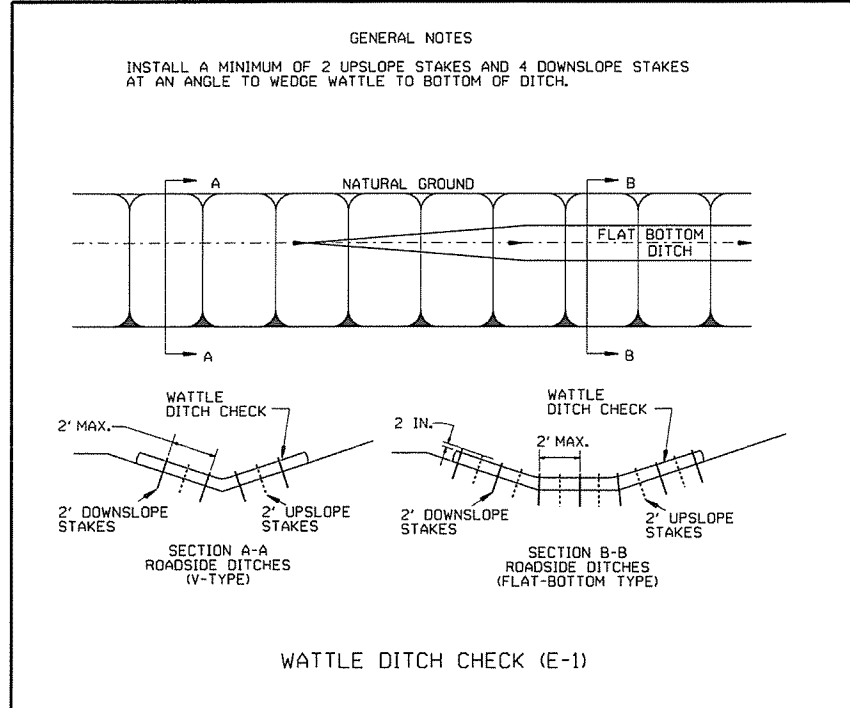
DETAIL OF SPLICES

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.



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

DATE	REVISION	FILED
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	



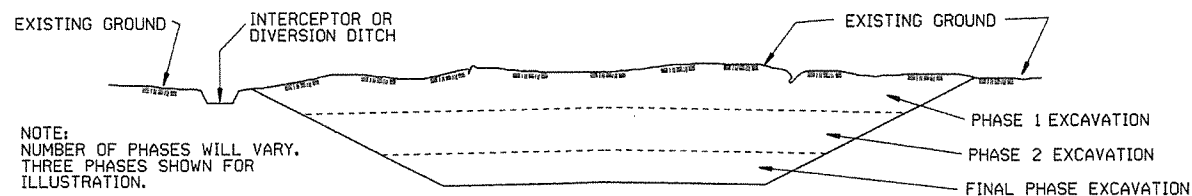
12-15-11	DELETED BALED STRAW DITCH CHECK & ADDED WATTLE DITCH CHECK		ARKANSAS STATE HIGHWAY COMMISSION
11-18-98	ADDED NOTES		
7-02-98	ADDED BALED STRAW FILTER BARRIER (E-2)		
7-20-95	REVISED SILT FENCE E-4 AND E-11	7-20-95	TEMPORARY EROSION CONTROL DEVICES
7-15-94	REV. E-4 & E-11 MIN. 13" BURIED END 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	STANDARD DRAWING TEC-1
DATE	REVISION	FILMED	

### CLEARING AND GRUBBING

CONSTRUCTION SEQUENCE

1. PLACE PERIMETER CONTROLS (I.E. SILT FENCES , DIVERSION DITCHES, SEDIMENT BASINS, ETC.)
2. PERFORM CLEARING AND GRUBBING OPERATION.

### EXCAVATION



NOTE:  
NUMBER OF PHASES WILL VARY.  
THREE PHASES SHOWN FOR  
ILLUSTRATION.

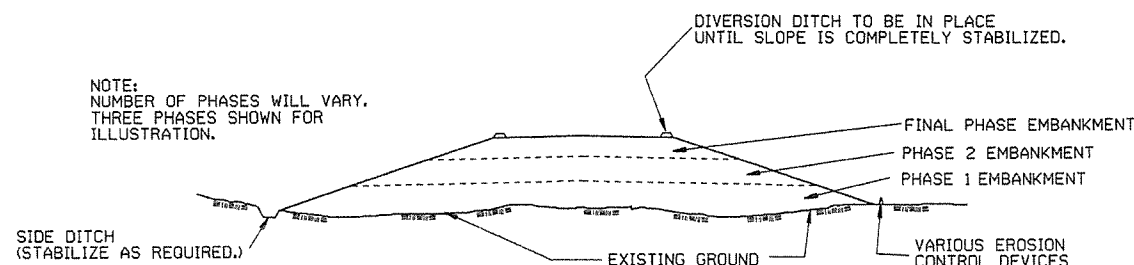
GENERAL NOTE

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

CONSTRUCTION SEQUENCE

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

### EMBANKMENT



NOTE:  
NUMBER OF PHASES WILL VARY.  
THREE PHASES SHOWN FOR  
ILLUSTRATION.

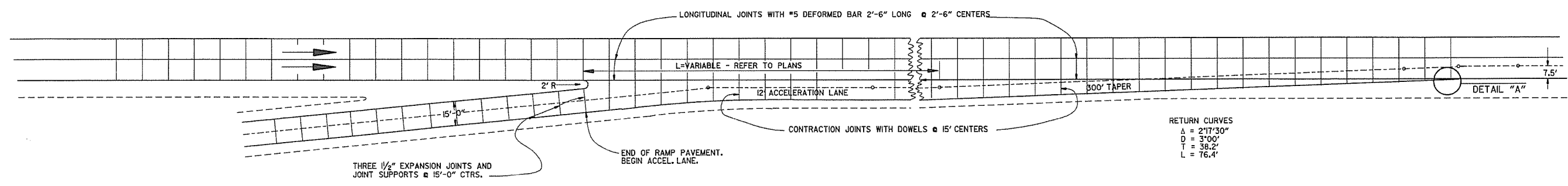
GENERAL NOTE

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

CONSTRUCTION SEQUENCE

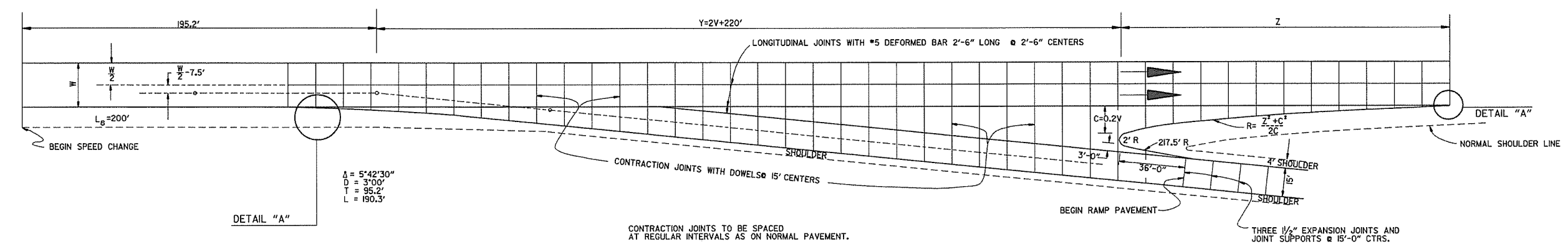
1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.

		ARKANSAS STATE HIGHWAY COMMISSION	
		TEMPORARY EROSION CONTROL DEVICES	
		STANDARD DRAWING TEC-3	
11-03-94	CORRECTED SPELLING		
6-2-94	Drawn & Issued		6-2-94
DATE	REVISION		FILMED



ENTRANCE RAMP

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

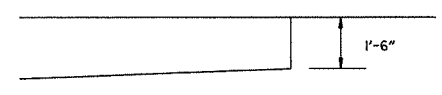


EXIT RAMP

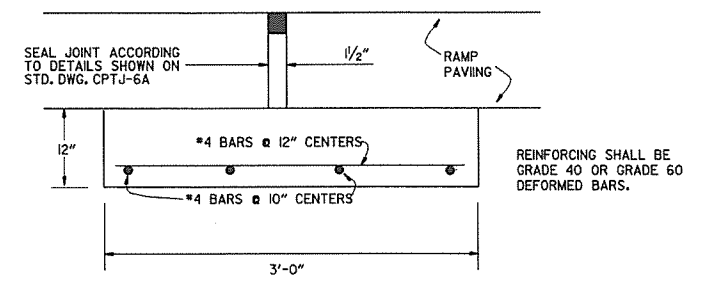
CONTRACTION JOINTS TO BE SPACED AT REGULAR INTERVALS AS ON NORMAL PAVEMENT.

EXIT RAMP

DESIGN SPEED V	Y	NOSE OFFSET C	LENGTH NOSE TAPER Z	RETURN RADIUS R	ADDITIONAL SURFACING SQ. YDS.
40	300.0	8.0	96.0	580.0	602.43
50	320.0	10.0	120.0	725.0	687.29
60	340.0	12.0	168.0	1182.0	790.55
70	360.0	14.0	210.0	1582.0	902.27



DETAIL "A"



DETAIL OF EXPANSION JOINT & JOINT SUPPORT

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

DATE	REVISION	DATE FILED
8-22-02	DELETED NOTE	
11-16-01	CORRECTED SPELLING ON ENTRANCE RAMP NOTE	
5-13-99	ADDED, EDITED AND DELETED NOTES	
11-03-94	ADDED NOTE RE: REINF. BARS	
10-1-92	ADDED DETAIL A & OTHER MINOR CHANGES	10-1-92
1-25-90	REVISED EXPANSION JOINT	1-25-90
7-15-88	CONFORM D TO 1988 SPECIFICATIONS	65C-7-15-88
3-2-81	ISSUED	511-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF STANDARD TURNOUT

FOR

ENTRANCE & EXIT RAMPS (NON-REINFORCED)

STANDARD DRAWING TR-1A