

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR STATE HIGHWAY

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. 110617	1	78

② FIFTEENMILE & CUTOFF BAYOUS STRS. & APPRS. (S)

FIFTEENMILE & CUTOFF BAYOUS STRS. & APPRS. (S)

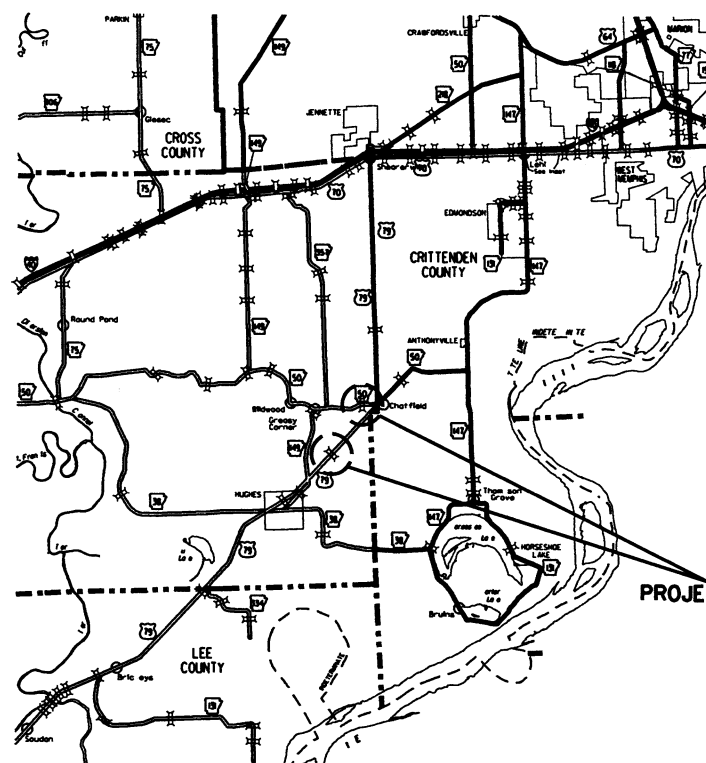
ST. FRANCIS COUNTY

ROUTE 50 SECTION 1

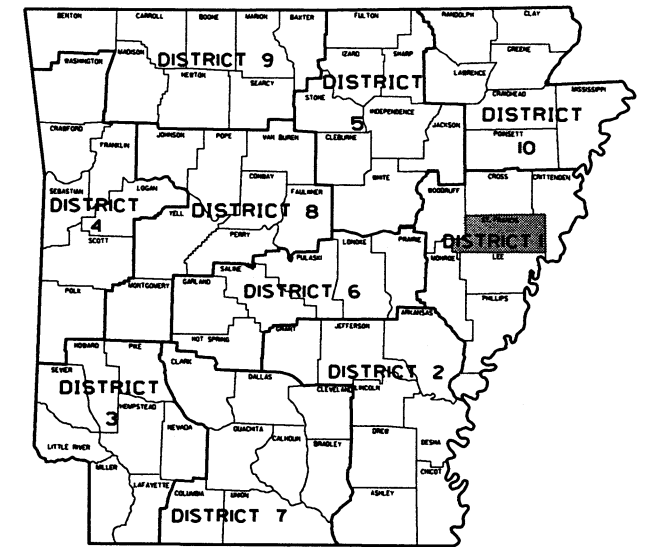
ROUTE 79 SECTION 17

JOB 110617

FED. AID PROJ. NHPP-0068(42)



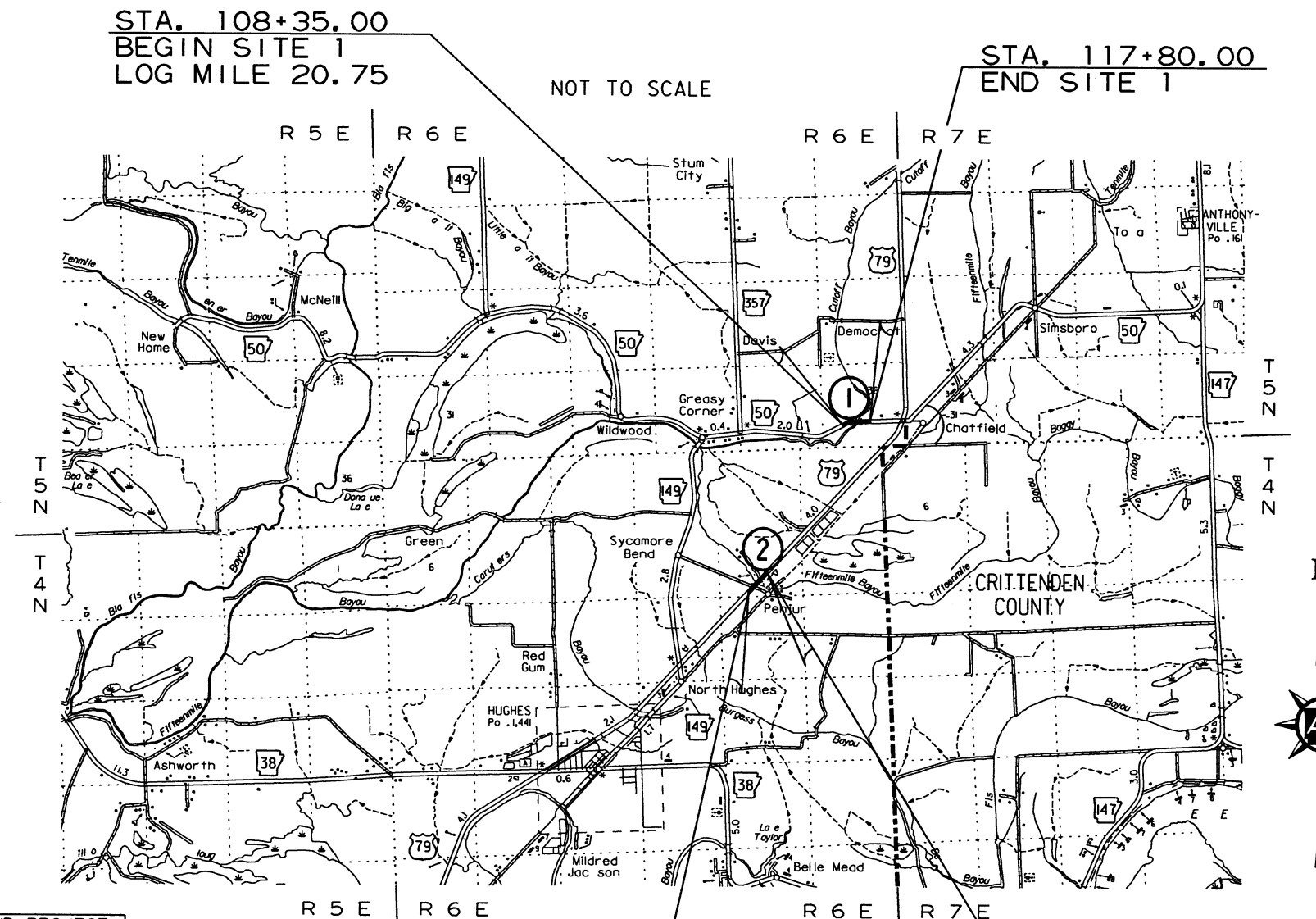
VICINITY MAP



ARK. HWY. DIST. NO. 1

BRIDGE INFORMATION

- STA. 111+01.50 BR. END
408'-0" CONTINUOUS COMP. W-BEAM
(68'-68'-68'-68'-68'-68')
411'-0" TOTAL LENGTH
30'-0" CLEAR ROADWAY
BR. NO. 07467
STA. 115+12.50 BR. END
- STA. 209+21.50 BR. END
240'-0" CONTINUOUS COMP. W-BEAM
(75'-90'-75')
241'-0" TOTAL LENGTH
40'-0" CLEAR ROADWAY
BR. NO. 07468
STA. 211+62.50 BR. END



DESIGN TRAFFIC DATA (SITE 1)

DESIGN YEAR	2039
2019 ADT	65
2039 ADT	70
2039 DHV	8
DIRECTIONAL DISTRIBUTION	0.60
TRUCKS	15%
DESIGN SPEED	55 MPH

DESIGN TRAFFIC DATA (SITE 2)

DESIGN YEAR	2039
2019 ADT	2,100
2039 ADT	2,700
2039 DHV	297
DIRECTIONAL DISTRIBUTION	0.60
TRUCKS	14%
DESIGN SPEED	60 MPH

SITE 1 - HWY. 50

	BEGIN PROJECT	MID-POINT OF PROJECT	END PROJECT
LATITUDE	N 35°00'25"	N 35°00'25"	N 35°00'25"
LONGITUDE	W 90°24'53"	W 90°24'47"	W 90°24'42"

SITE 2 - HWY. 79

	BEGIN PROJECT	MID-POINT OF PROJECT	END PROJECT
LATITUDE	N 34°58'44"	N 34°58'46"	N 34°58'49"
LONGITUDE	W 90°26'12"	W 90°26'09"	W 90°26'06"

STA. 207+50.00
BEGIN SITE 2
LOG MILE 7.44

LENGTH OF PROJECT CALCULATED ALONG C.L.

GROSS LENGTH OF PROJECT	1645.00 FEET	OR	0.312 MILES
NET ROADWAY	993.00		0.188 MILES
NET BRIDGES	652.00		0.124 MILES
NET PROJECT	1645.00		0.312 MILES

STA. 214+50.00
END SITE 2

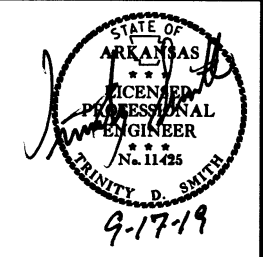
APPROVED



9-24-19
DEPUTY DIRECTOR
AND CHIEF ENGINEER

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				JOB NO.	110617		2	78

INDEX OF SHEETS AND STANDARD DRAWINGS



INDEX OF SHEETS

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60	DETAILS OF 240'-0" INTEGRAL W-BEAM UNIT - FIFTEENMILE BAYOU (SHEET 5 OF 7)	07468	61284
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63 - 78	CROSS SECTIONS		

NOTE: CROSS SECTIONS NOT NORMALLY INCLUDED IN PLANS SOLD TO PROSPECTIVE BIDDERS, BUT MAY BE HAD UPON REQUEST.

BRIDGE STANDARD DRAWINGS

DRWG. NO.	TITLE	DATE
55000	STANDARD DETAILS FOR EMBANKMENT CONSTRUCTION AND BACKFILL AT BRIDGE ENDS	02-27-14
55001	STANDARD DETAILS FOR DUMPED RIPRAP AND FILTER BLANKET AND COMPUTING EXCAVATION FOR STRUCTURES	02-27-14
55005	STANDARD DETAILS FOR PERMANENT STEEL BRIDGE DECK FORMS FOR STEEL & CONCRETE GIRDER SPANS	03-24-16
55006	STANDARD GENERAL NOTES FOR STEEL BRIDGE STRUCTURES	09-02-15
55007	STANDARD DETAILS FOR STEEL BRIDGE STRUCTURES	02-11-16
55009	STANDARD DETAILS FOR NEOPRENE STRIP SEAL JOINTS	02-11-16
55010	STANDARD DETAILS FOR TYPE D BRIDGE NAME PLATE	01-15-19
55021	STANDARD DETAILS FOR CONCRETE FILLED STEEL SHELL PILES AND PILE ENCASEMENTS	03-24-16
55030A	STANDARD DETAILS FOR TYPE A APPROACH GUTTERS	09-02-15
55030C	STANDARD DETAILS FOR TYPE C APPROACH GUTTERS	02-27-14
55040A	STANDARD DETAILS FOR TYPE A APPROACH SLAB	02-27-14
55040C1	STANDARD DETAILS FOR TYPE C1 APPROACH SLAB	02-27-14

ROADWAY STANDARD DRAWINGS

DRWG. NO.	TITLE	DATE
GR-8	GUARD RAIL DETAILS	11-16-17
GR-8A	GUARD RAIL DETAILS	11-16-17
GR-9	GUARD RAIL DETAILS	04-17-08
GR-9A	GUARD RAIL DETAILS	04-17-08
GR-10	GUARD RAIL DETAILS	11-16-17
GR-11	GUARD RAIL DETAILS	11-16-17
GR-12	GUARD RAIL DETAILS	11-16-17
PCC-1	CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING	02-27-14
PCM-1	METAL PIPE CULVERT FILL HEIGHTS & BEDDING	02-27-14
PCP-1	PLASTIC PIPE CULVERT (HIGH DENSITY POLYETHYLENE)	02-27-14
PCP-2	PLASTIC PIPE CULVERT (PVC F949)	02-27-14
PM-1	PAVEMENT MARKING DETAILS	06-01-17
PU-1	DETAILS OF PIPE UNDERDRAIN	12-08-16
SE-2	TABLES AND METHOD OF SUPERELEVATION FOR TWO-WAY TRAFFIC	10-18-96
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	04-13-17
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	09-02-15
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	07-25-19
TEC-1	TEMPORARY EROSION CONTROL DEVICES	11-16-17
TEC-2	TEMPORARY EROSION CONTROL DEVICES	06-02-94
TEC-3	TEMPORARY EROSION CONTROL DEVICES	11-03-94

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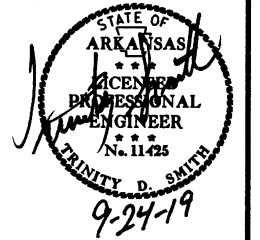
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② GOVERNING SPECIFICATIONS AND GENERAL NOTES

GOVERNING SPECIFICATIONS

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

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-3	CONTRACTOR'S LICENSE
100-4	DEPARTMENT NAME CHANGE
102-2	ISSUANCE OF PROPOSALS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
110-1	PROTECTION OF WATER QUALITY AND WETLANDS
303-1	AGGREGATE BASE COURSE
306-1	QUALITY CONTROL AND ACCEPTANCE
400-1	TACK COATS
400-4	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5	PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6	LIQUID ANTI-STRIP ADDITIVE
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
600-2	INCIDENTAL CONSTRUCTION
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
606-1	PIPE CULVERTS FOR SIDE DRAINS
617-1	GUARDRAIL TERMINAL (TYPE 2)
620-1	MULCH COVER
734-1	BRIDGE END TERMINAL
800-1	STRUCTURES
802-3	CONCRETE FOR STRUCTURES
804-2	REINFORCING STEEL FOR STRUCTURES
808-1	INSTALLATION OF ELASTOMERIC BEARINGS
808-2	ELASTOMERIC BEARINGS
JOB 110617	BIDDING REQUIREMENTS AND CONDITIONS
JOB 110617	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 110617	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB 110617	CARGO PREFERENCE ACT REQUIREMENTS
JOB 110617	CLASS C FLY ASH IN PORTLAND CEMENT CONCRETE PAVEMENT AND CLASS S(AE) CONCRETE
JOB 110617	CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS
JOB 110617	DIRECT TENSION INDICATORS FOR HIGH STRENGTH BOLT ASSEMBLIES
JOB 110617	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 110617	FLEXIBLE BEGINNING OF WORK - CALENDAR DAY CONTRACT
JOB 110617	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 110617	MANDATORY ELECTRONIC CONTRACT
JOB 110617	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 110617	NESTING SITES OF MIGRATORY BIRDS
JOB 110617	PARTNERING REQUIREMENTS
JOB 110617	PLASTIC PIPE
JOB 110617	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 110617	PROSECUTION AND PROGRESS WITH BID SCHEDULE
JOB 110617	REMOVAL AND DISPOSAL OF GUARDRAIL
JOB 110617	SHORING FOR CULVERTS
JOB 110617	SITE USE (A+C METHOD) - CALENDAR DAY CONTRACT
JOB 110617	SOIL STABILIZATION
JOB 110617	STORM WATER POLLUTION PREVENTION PLAN
JOB 110617	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 110617	TIMBER PILING FOR SOIL DENSIFICATION
JOB 110617	UTILITY ADJUSTMENTS
JOB 110617	VALUE ENGINEERING
JOB 110617	WARM MIX ASPHALT



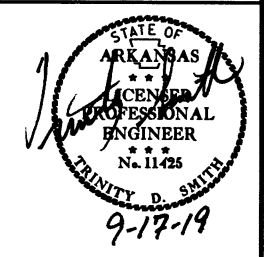
GENERAL NOTES

- 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 ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE RESIDENT ENGINEER.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THIS PROJECT IS COVERED UNDER A SECTION 404 NATIONWIDE 23 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2014, FOR PERMIT REQUIREMENTS.

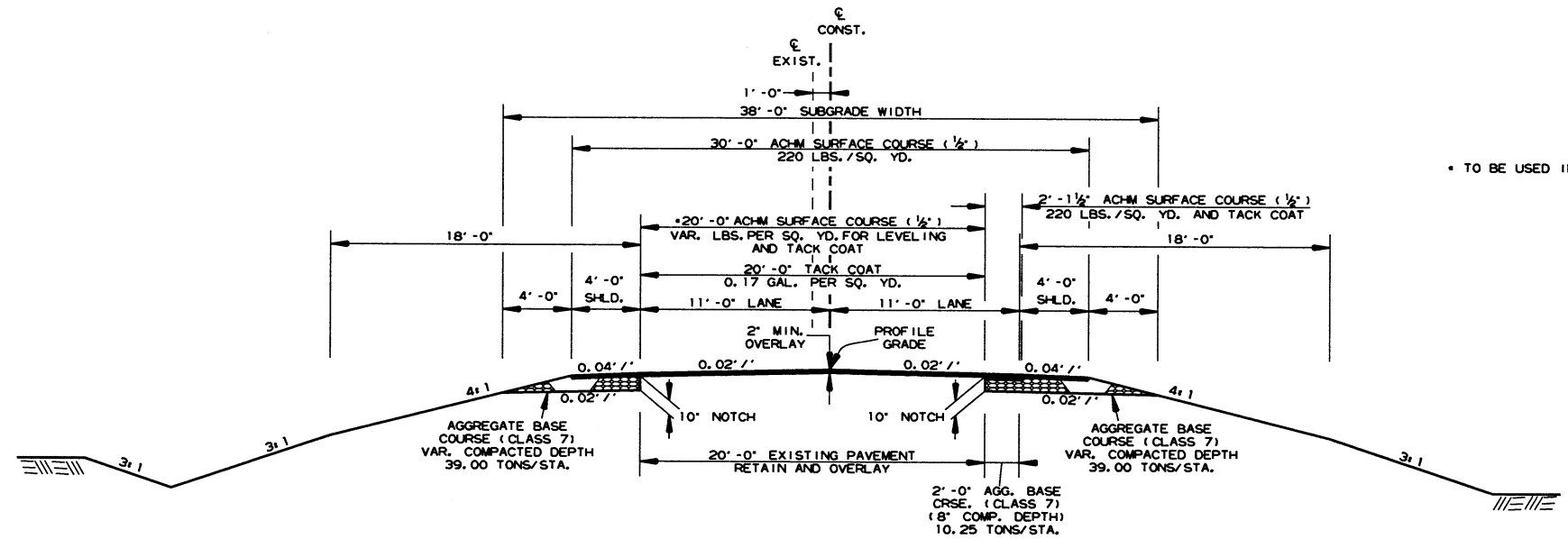
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② TYPICAL SECTIONS OF IMPROVEMENT



• TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER



TYPICAL SECTIONS OF IMPROVEMENT
 HWY. 50 - NOTCH AND WIDEN
 STA. 108+35.00 - STA. 109+26.00
 STA. 115+79.00 - STA. 117+80.00

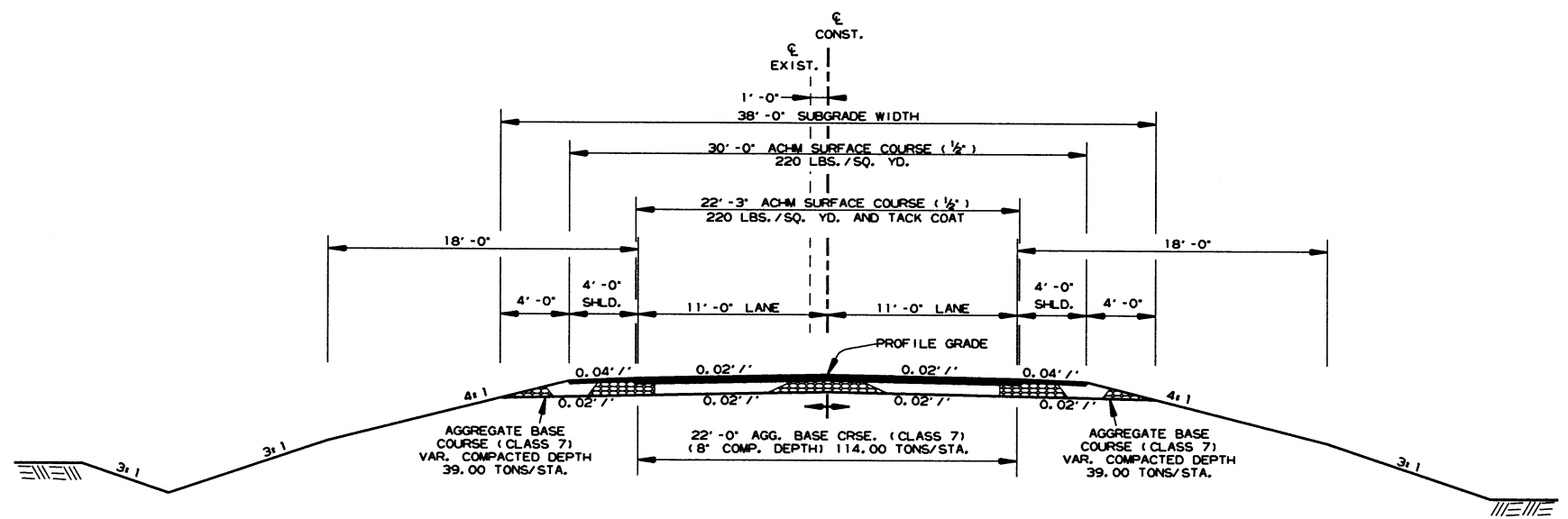
NOTES:

THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS OF THE TOLERANCE INDICATED.

REFER TO CROSS SECTIONS FOR DEVIATION FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.

ASPHALT FOR LEVELING OF EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND/OR LEVELING OPERATIONS SHALL BE PERFORMED BEFORE CONSTRUCTING NOTCH AND WIDENING. CALCULATIONS WILL NOT BE PAID FOR DIRECTLY, BUT PAYMENT WILL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS.

THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID. LONGITUDINAL JOINTS SHALL BE AT LANE LINES.

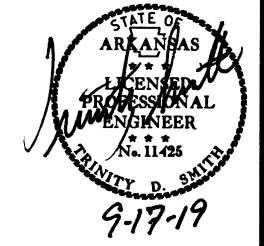


TYPICAL SECTIONS OF IMPROVEMENT
 HWY. 50 - FULL DEPTH
 STA. 109+26.00 - STA. 110+50.00
 STA. 115+64.00 - STA. 115+79.00

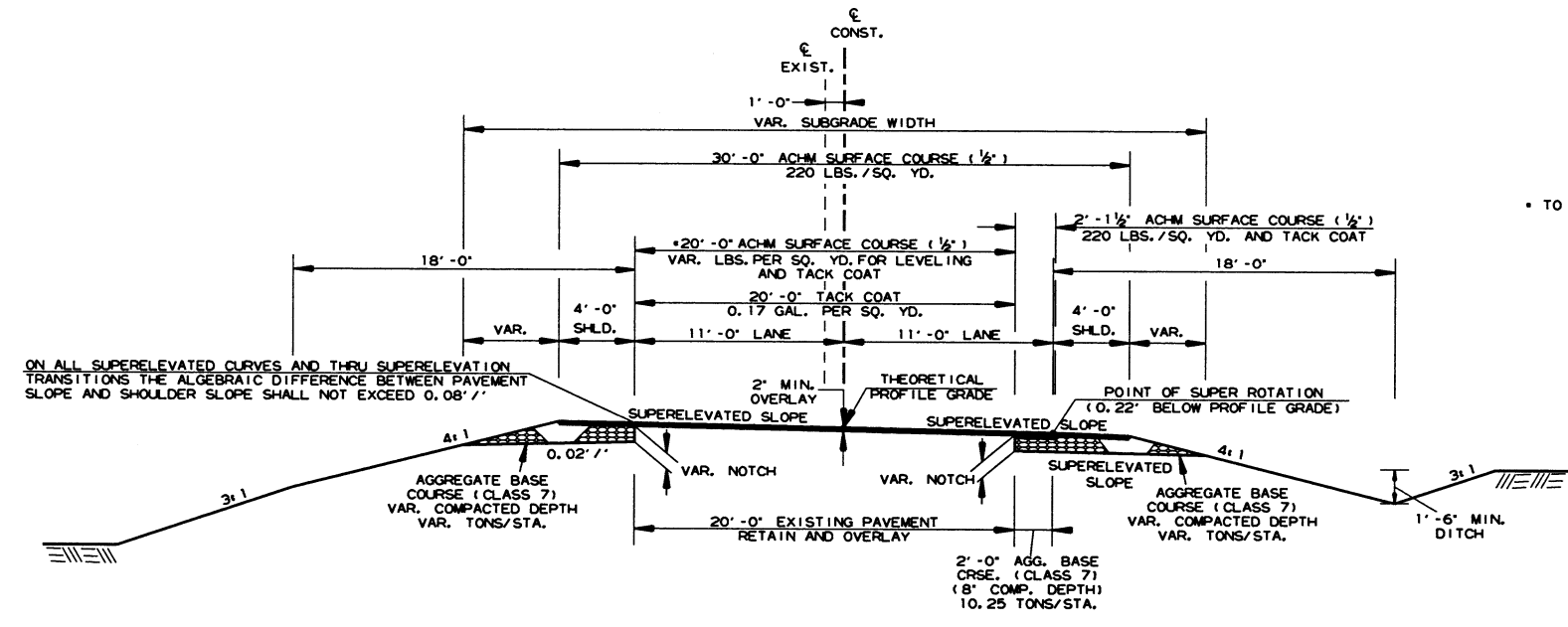
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② TYPICAL SECTIONS OF IMPROVEMENT



* TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER



TYPICAL SECTIONS OF IMPROVEMENT
HWY. 50 - NOTCH AND WIDEN
SUPERELEVATED

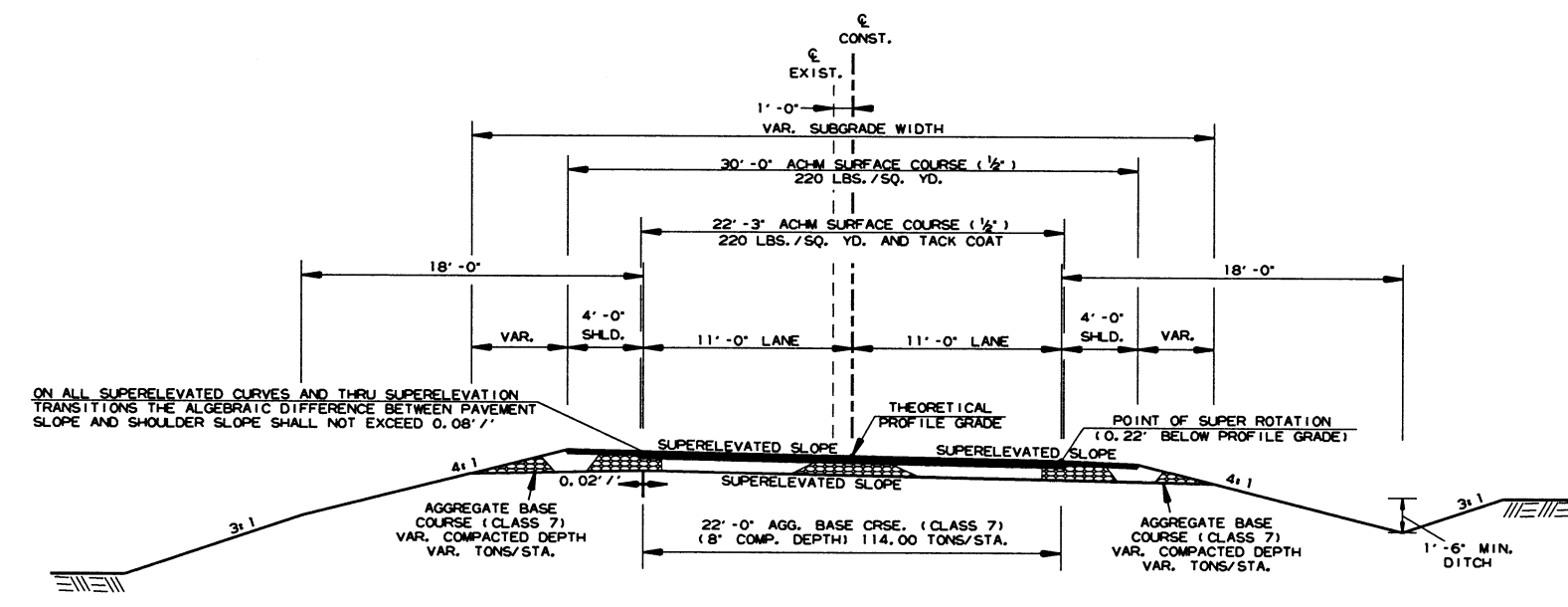
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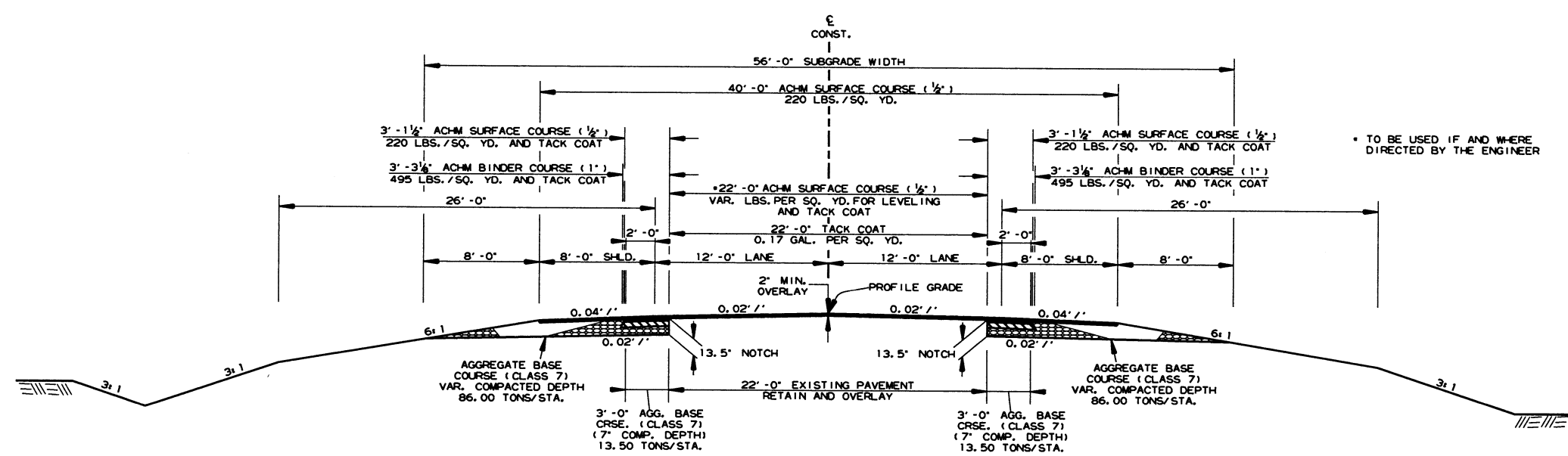
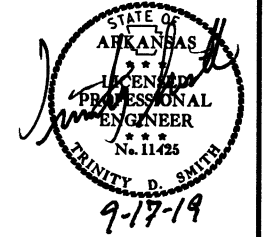


TYPICAL SECTIONS OF IMPROVEMENT
HWY. 50 - FULL DEPTH
SUPERELEVATED

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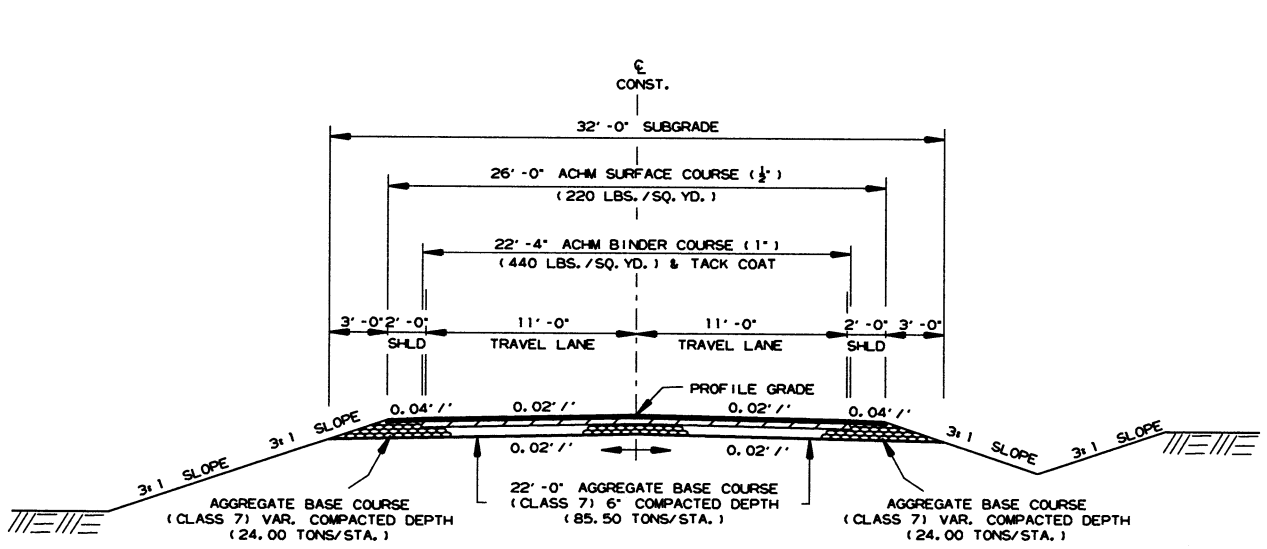
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2 TYPICAL SECTIONS OF IMPROVEMENT

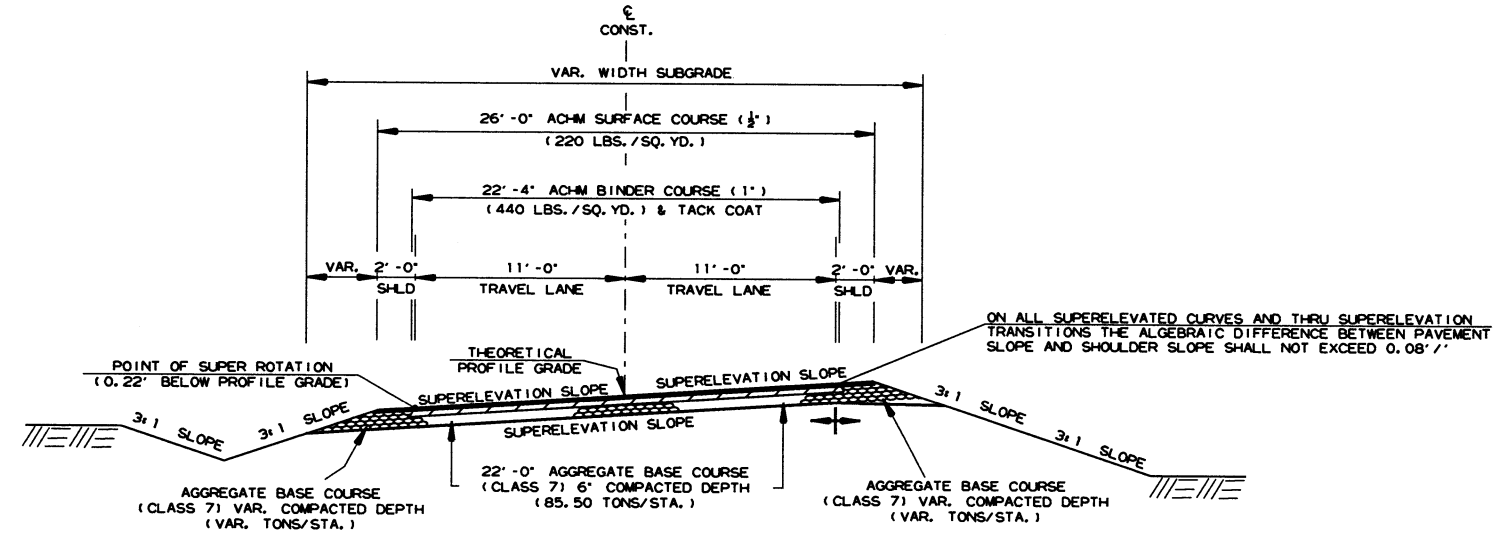


TYPICAL SECTIONS OF IMPROVEMENT
 HWY. 79 - NOTCH AND WIDEN
 STA. 207+50.00 - STA. 208+85.00
 STA. 211+99.00 - STA. 214+50.00

NOTES:
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TYPICAL SECTIONS OF IMPROVEMENT
 HWY. 79 - DETOUR



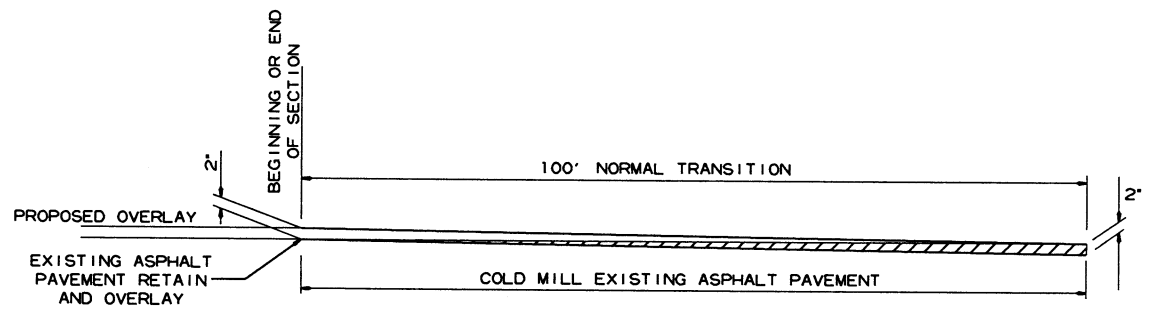
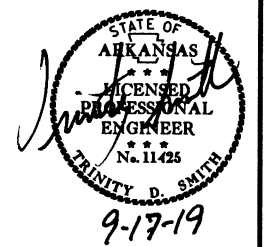
TYPICAL SECTIONS OF IMPROVEMENT
 HWY. 79 - DETOUR
 SUPERELEVATION

ON ALL SUPERELEVATED CURVES AND THRU SUPERELEVATION TRANSITIONS THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 0.08'/'

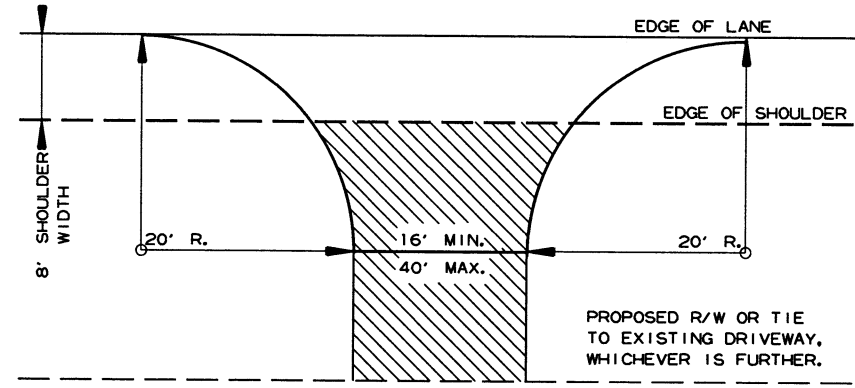
11/3/2019
 R110617.DGN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 110617							7	78

2 SPECIAL DETAILS



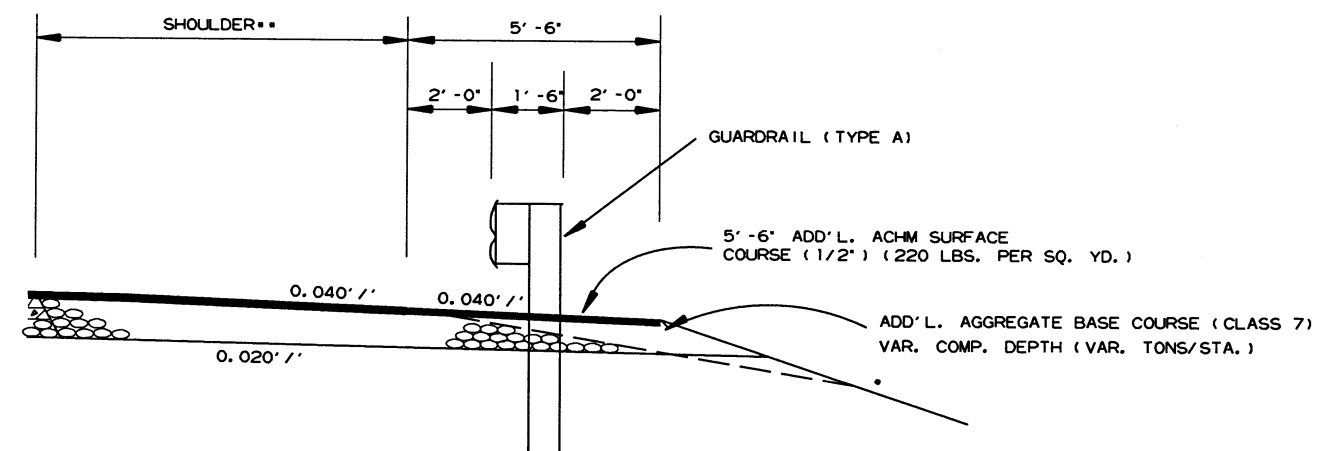
DETAIL FOR TRANSITIONS



DETAIL FOR DRIVEWAY TURNOUTS
OPEN SHOULDER SECTION
(ARTERIAL)

NOTE: TURNOUTS AND PRIVATE DRIVES SHALL BE MODIFIED WHERE NECESSARY TO MEET LOCAL CONDITIONS AS DIRECTED BY THE ENGINEER.

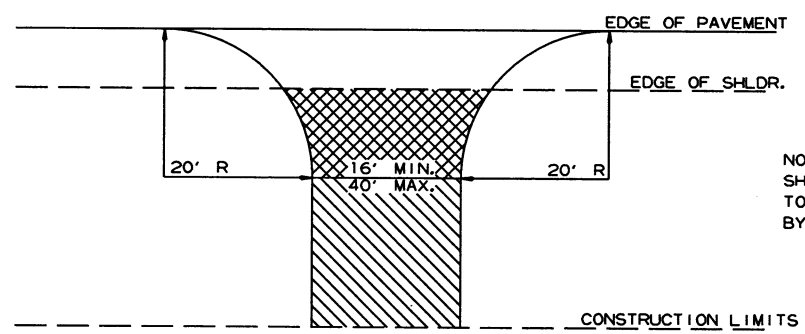
ACHM SURFACE COURSE (1/2") (220 LBS. PER SQ. YD.) AND AGGREGATE BASE COURSE (CLASS 7) 7" COMP. DEPTH IF ASPHALT OR GRAVEL DRIVE EXISTING; OR 6" CONCRETE IF CONCRETE DRIVE EXISTING.



WIDENING FOR GUARDRAIL

NOTE: REFER TO STD. DWG. GR-9A AND CROSS SECTIONS FOR SLOPE REQUIREMENTS BEHIND GUARDRAIL.

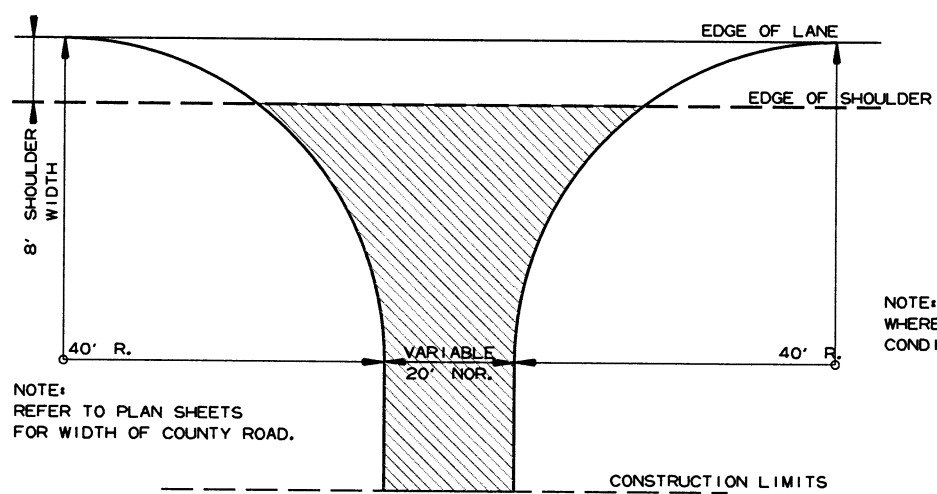
** SITE 1 - 4' SHOULDER
SITE 2 - 8' SHOULDER



ASPHALT CONCRETE HOT MIX SURFACE COURSE (220 LBS. PER SQ. YD.)
AGGREGATE BASE COURSE (CLASS 7)
7" COMP. DEPTH IF ASPHALT DRIVE EXIST OR
6" CONCRETE IF CONCRETE DRIVE EXIST.

AGGREGATE BASE COURSE (CLASS 7)
9" COMP. DEPTH OR CONFORM
TO EXISTING DRIVEWAY

NOTE: TURNOUTS AND PRIVATE DRIVES SHALL BE MODIFIED WHERE NECESSARY TO MEET LOCAL CONDITIONS AS DIRECTED BY THE ENGINEER.



DETAIL FOR COUNTY ROAD TURNOUTS
OPEN SHOULDER SECTION

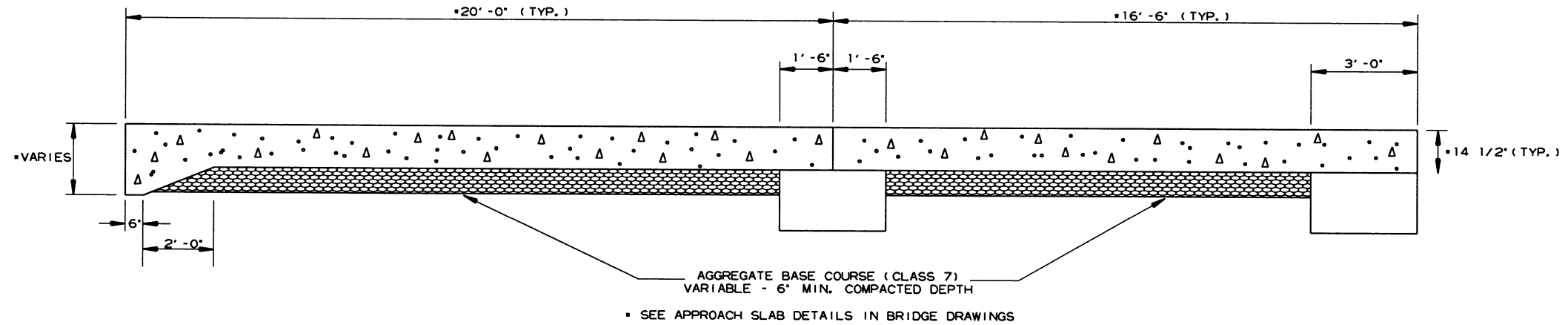
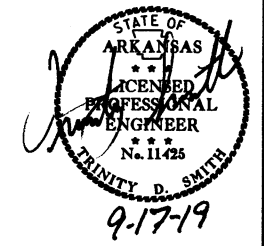
NOTE: TURNOUTS SHALL BE MODIFIED WHERE NECESSARY TO MEET LOCAL CONDITIONS AS DIRECTED BY THE ENGINEER.

ACHM SURFACE COURSE (1/2") (220 LBS. PER SQ. YD.) AND AGGREGATE BASE COURSE (CLASS 7) 7" COMP. DEPTH

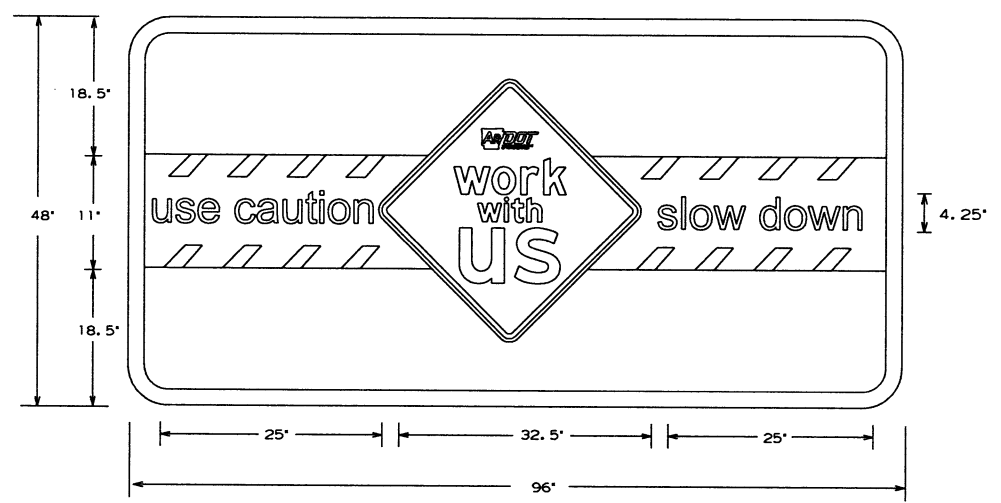
DETAIL FOR DRIVEWAY TURNOUTS
(COLLECTORS)

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. 110617	8	78

② SPECIAL DETAILS

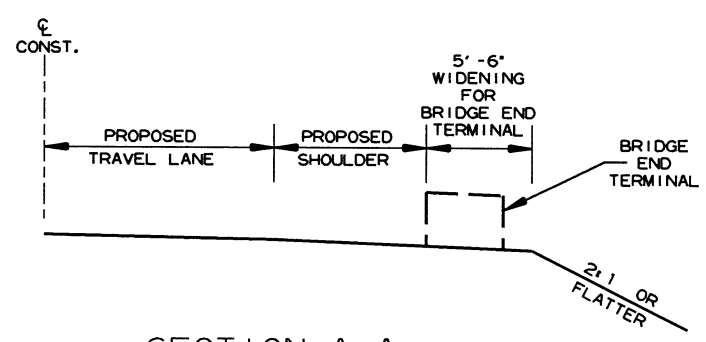


SECTION OF APPROACH SLAB



1.5" WHITE BORDER, 1.5" RADIUS, GREEN BACKGROUND
 "use caution" 4.25" NIVEAU GROTESK, REGULAR FONT
 "work with US" FRUTIGER LT 75 BLACK FONT
 NOTE: DIGITAL ART WORK FILE AVAILABLE FROM ARDOT MAINTENANCE DIVISION SIGN SHOP 501-569-2665.
 THIS SIGN SHALL BE PLACED 500' PRECEDING THE FIRST ADVANCE WARNING SIGN, IN THE DIRECTION OF TRAFFIC.

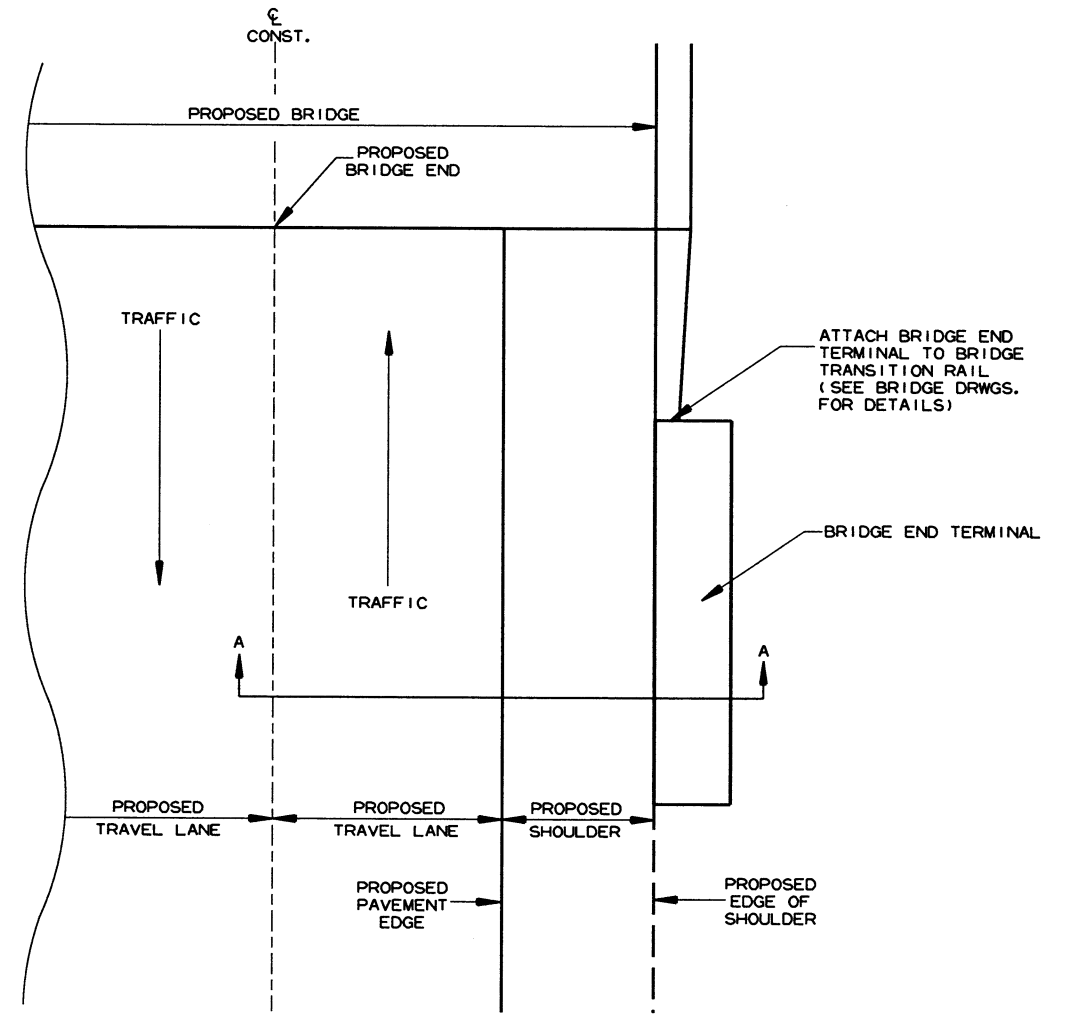
WORK WITH US SIGN



SECTION A-A

NOTE: ELIMINATE OR MODIFY APPROACH CURB SECTION TO FIT BRIDGE END TERMINAL. NO PAYMENT SHALL BE MADE FOR ELIMINATING OR MODIFYING THIS CURB BUT SHALL BE CONSIDERED IN PAYMENT MADE FOR APPROACH GUTTERS OF THE TYPE SPECIFIED.

NOTE: BRIDGE END TERMINAL SHALL CONFORM TO THE FOLLOWING:
 -MAXIMUM LENGTH: 20'
 -MAXIMUM HEIGHT: 2.75'
 -DESIGN SPEED: 60 MPH

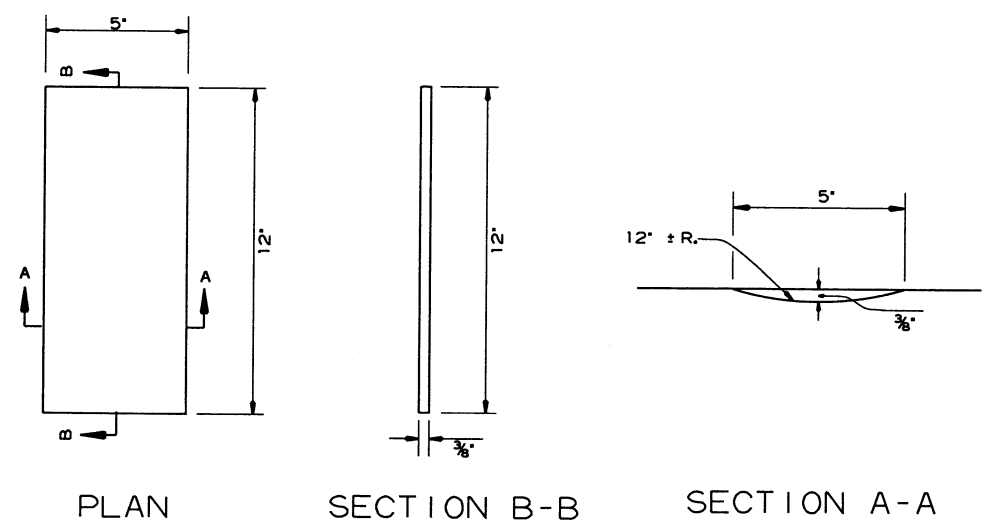
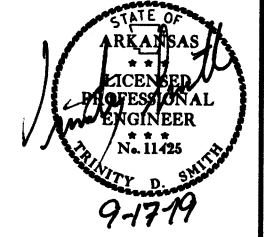


PLAN VIEW
BRIDGE END TERMINAL
DETAILS

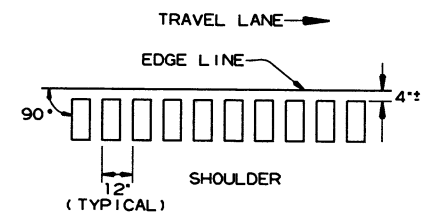
SPECIAL DETAILS

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. 110617	9	78

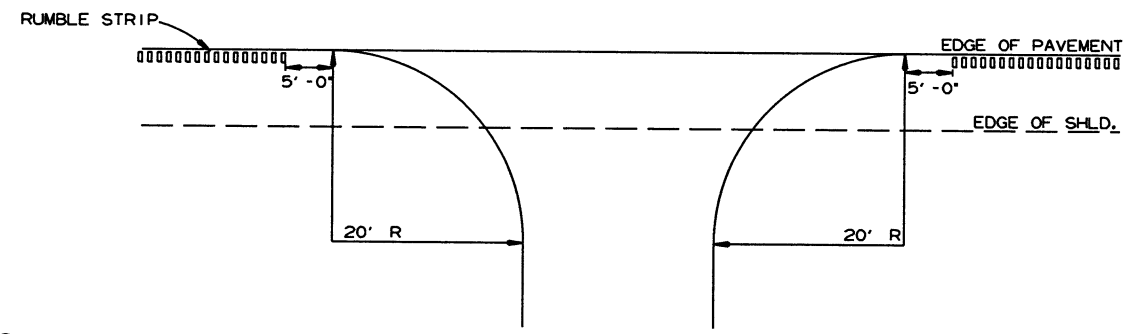
② SPECIAL DETAILS



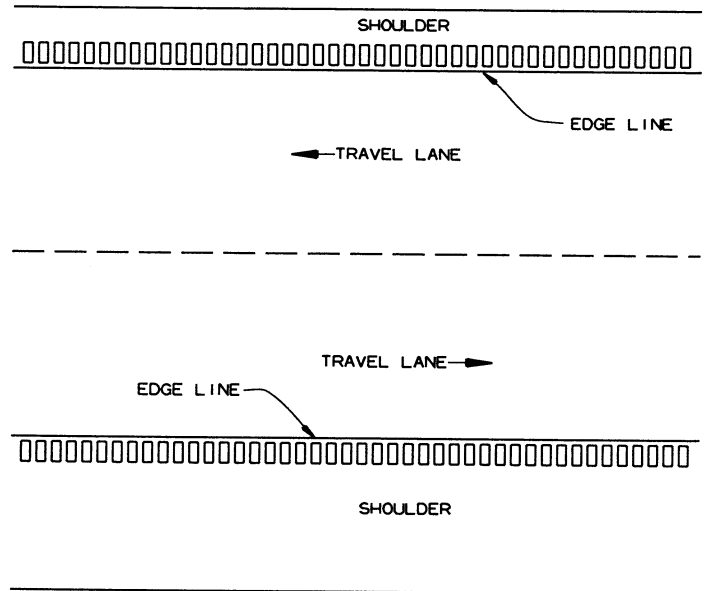
DETAILS OF RUMBLE STRIPS



LOCATION PLAN OF RUMBLE STRIPS
LEFT OR RIGHT SHOULDER



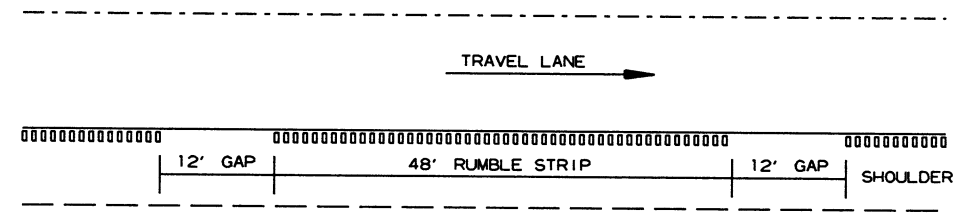
DETAIL FOR RUMBLE STRIP GAP
AT DRIVEWAY TURNOUTS



PLAN VIEW

GENERAL NOTES

1. RUMBLE STRIPS SHALL NOT BE INSTALLED ON CURB SECTIONS, BRIDGE DECKS, APPROACH SLABS, INTERSECTING STREETS OR ROADWAYS, RESIDENTIAL OR COMMERCIAL DRIVEWAYS OR ACROSS TRANSVERSE JOINTS OF CONCRETE SHOULDERS.
2. RUMBLE STRIPS SHALL NOT BE INSTALLED ON A PAVED SHOULDER THAT IS USED AS A DECELERATION LANE FOR THE LENGTH DEEMED APPROPRIATE BY THE ENGINEER.
3. THE 4" OFFSET FROM THE EDGE LINE MAY BE INCREASED TO AVOID LONGITUDINAL JOINTS. IN ALL CASES, THE LATERAL DEVIATION FROM THE PLANNED OFFSET SHOULD BE KEPT TO A MINIMUM.
4. RUMBLE STRIPS SHALL BE MEASURED BY THE LINEAR FOOT LONGITUDINALLY ALONG THE SHOULDER. PAYMENT SHALL ONLY INCLUDE THAT PORTION OF THE SHOULDER ON WHICH RUMBLE STRIPS HAVE BEEN CONSTRUCTED. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR GAPS, DRIVEWAYS, TURNOUTS, OR OTHER PUBLIC ROAD INTERSECTIONS WHERE RUMBLE STRIPS HAVE NOT BEEN CONSTRUCTED.
5. THE 3/8" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 12' LENGTH. SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.



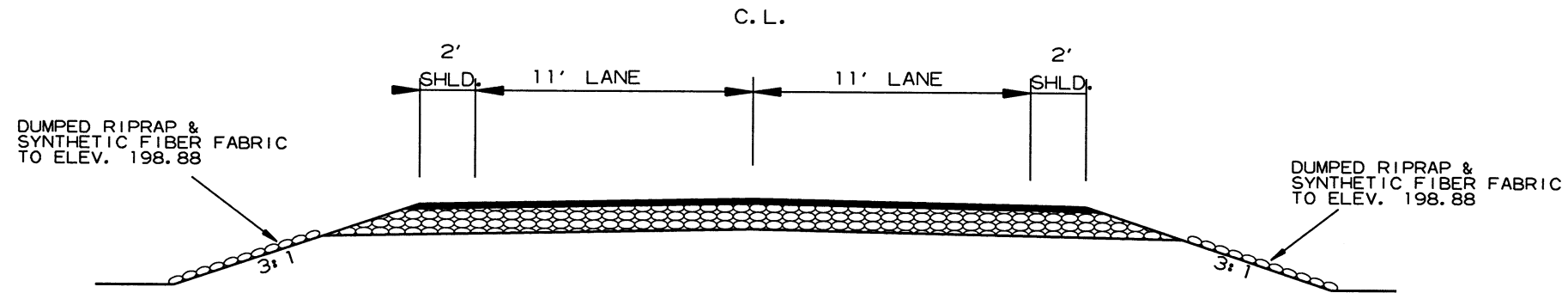
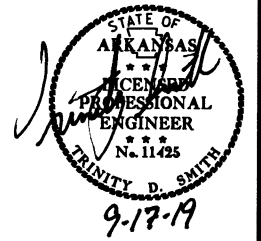
NOTE: GAP PATTERN SHALL BE ADJUSTED BY THE ENGINEER IN THE FIELD ALLOWING FOR DRIVEWAYS TO SERVE AS THE GAP.

DETAIL FOR GAP PATTERN RUMBLE STRIP

9/13/2019
RI10617.DGN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 110617							10	78

② SPECIAL DETAILS

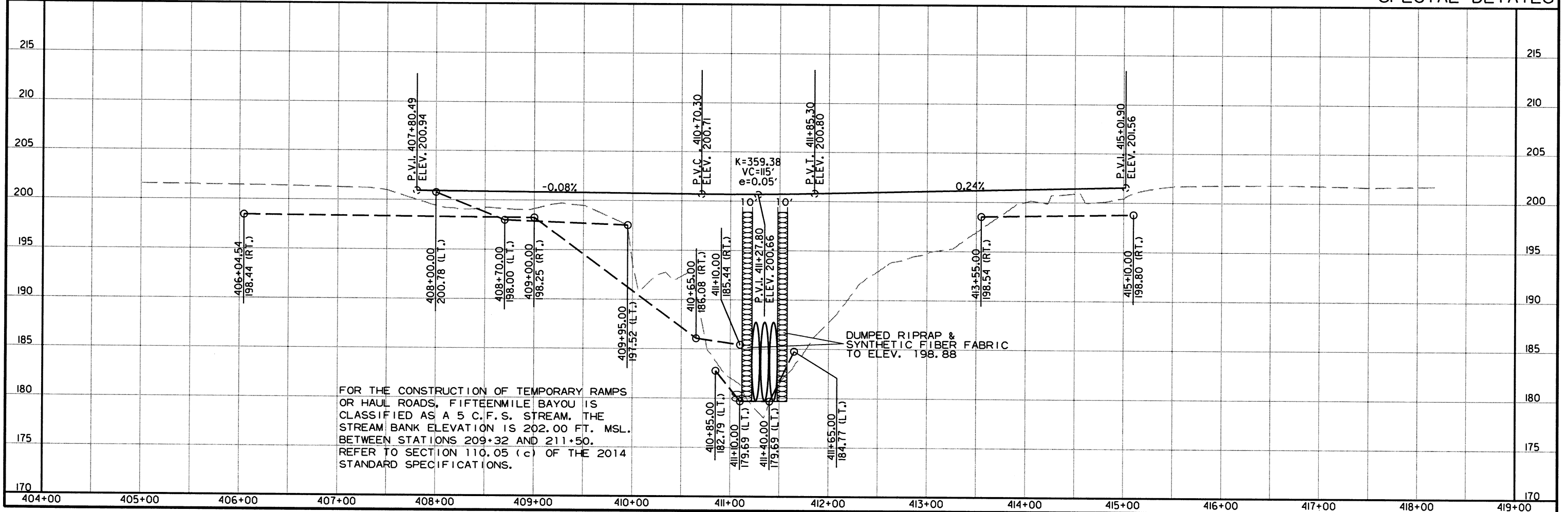


THIS STREAM IS CLASSIFIED AS A 5 C.F.S. STREAM. THE STREAM BANK ELEVATION IS 202.00 FT. MSL.

TYPICAL SECTIONS OF IMPROVEMENT - HWY. 79 DETOUR
STA. 411+35

REFER TO SURVEY CONTROL DETAIL SHEETS FOR HORIZONTAL AND VERTICAL CONTROL DATA.

SPECIAL DETAILS



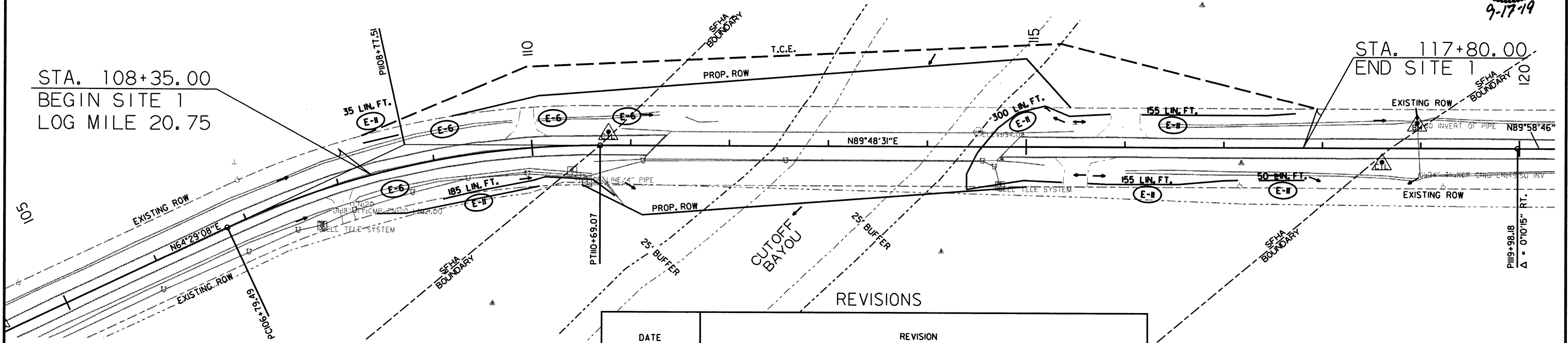
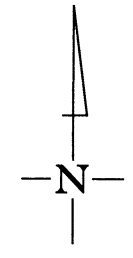
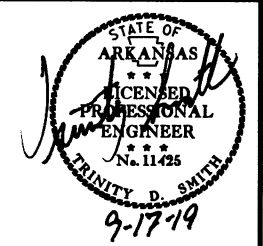
FOR THE CONSTRUCTION OF TEMPORARY RAMPS OR HAUL ROADS, FIFTEENMILE BAYOU IS CLASSIFIED AS A 5 C.F.S. STREAM. THE STREAM BANK ELEVATION IS 202.00 FT. MSL. BETWEEN STATIONS 209+32 AND 211+50. REFER TO SECTION 110.05 (c) OF THE 2014 STANDARD SPECIFICATIONS.

TEMPORARY EROSION CONTROL GENERAL NOTES:

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

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		11	78
				JOB NO.	110617			

② TEMPORARY EROSION CONTROL DETAILS



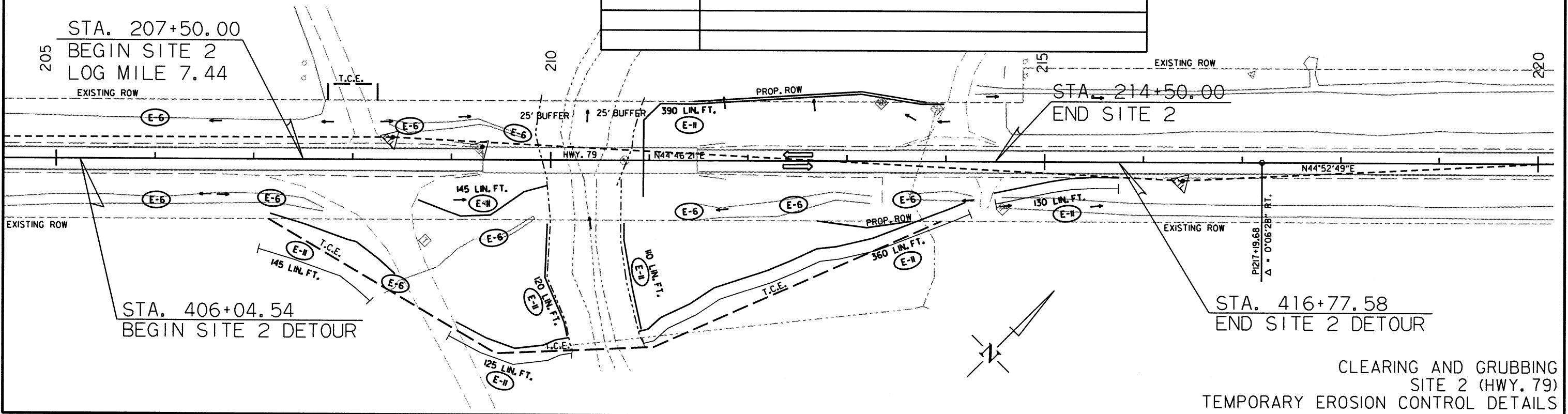
LEGEND

	ROCK DITCH CHECKS
	SILT FENCE

REVISIONS

DATE	REVISION

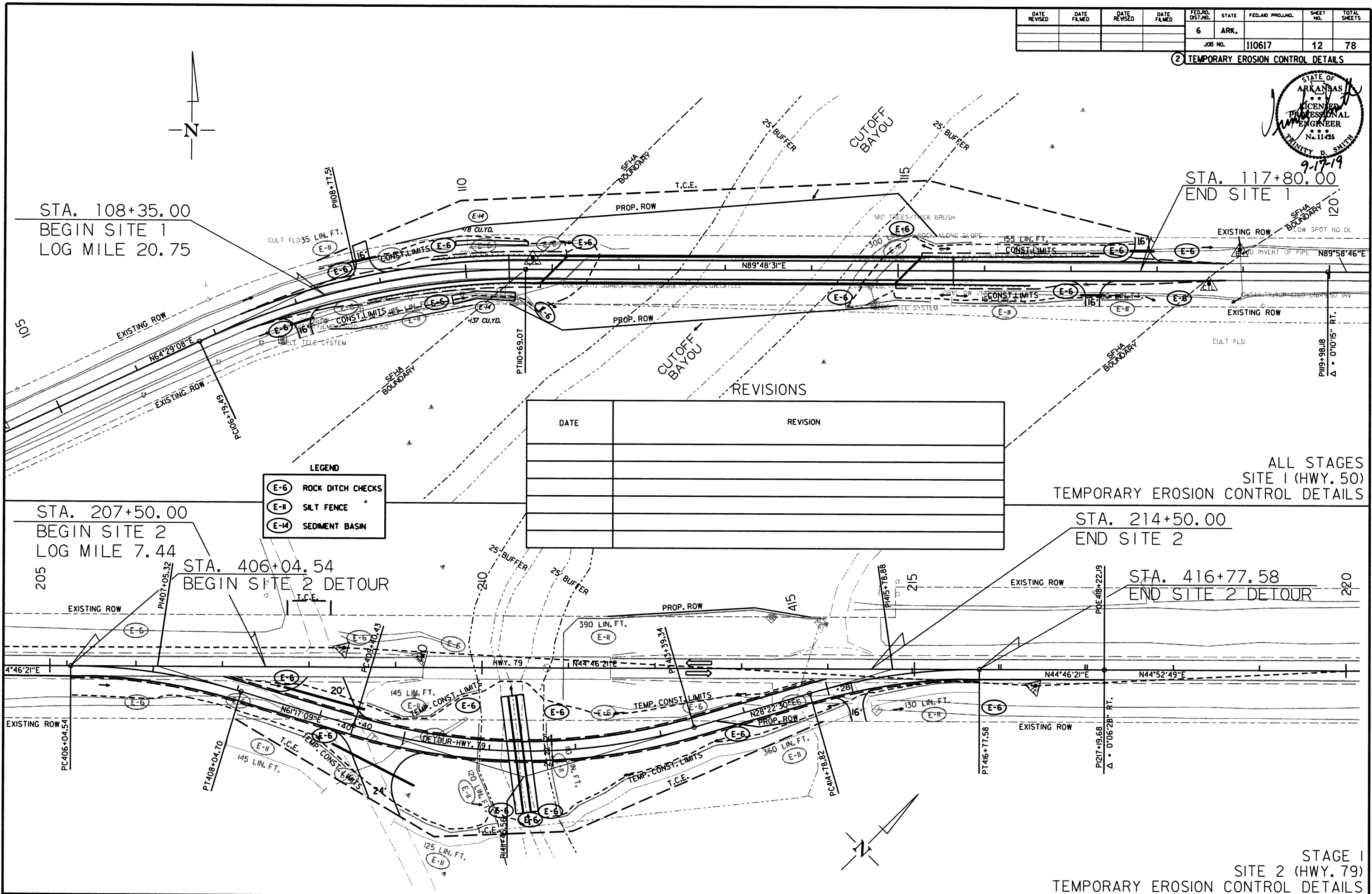
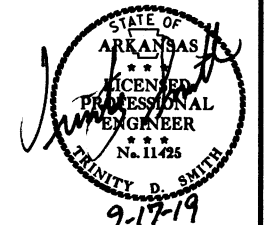
CLEARING AND GRUBBING
SITE 1 (HWY. 50)
TEMPORARY EROSION CONTROL DETAILS



CLEARING AND GRUBBING
SITE 2 (HWY. 79)
TEMPORARY EROSION CONTROL DETAILS

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. 110617							12	78

② TEMPORARY EROSION CONTROL DETAILS



STA. 108+35.00
BEGIN SITE 1
LOG MILE 20.75

STA. 117+80.00
END SITE 1

STA. 207+50.00
BEGIN SITE 2
LOG MILE 7.44

STA. 214+50.00
END SITE 2

STA. 406+04.54
BEGIN SITE 2 DETOUR

STA. 416+77.58
END SITE 2 DETOUR

LEGEND

(E-6)	ROCK DITCH CHECKS
(E-II)	SILT FENCE
(E-14)	SEDIMENT BASIN

REVISIONS

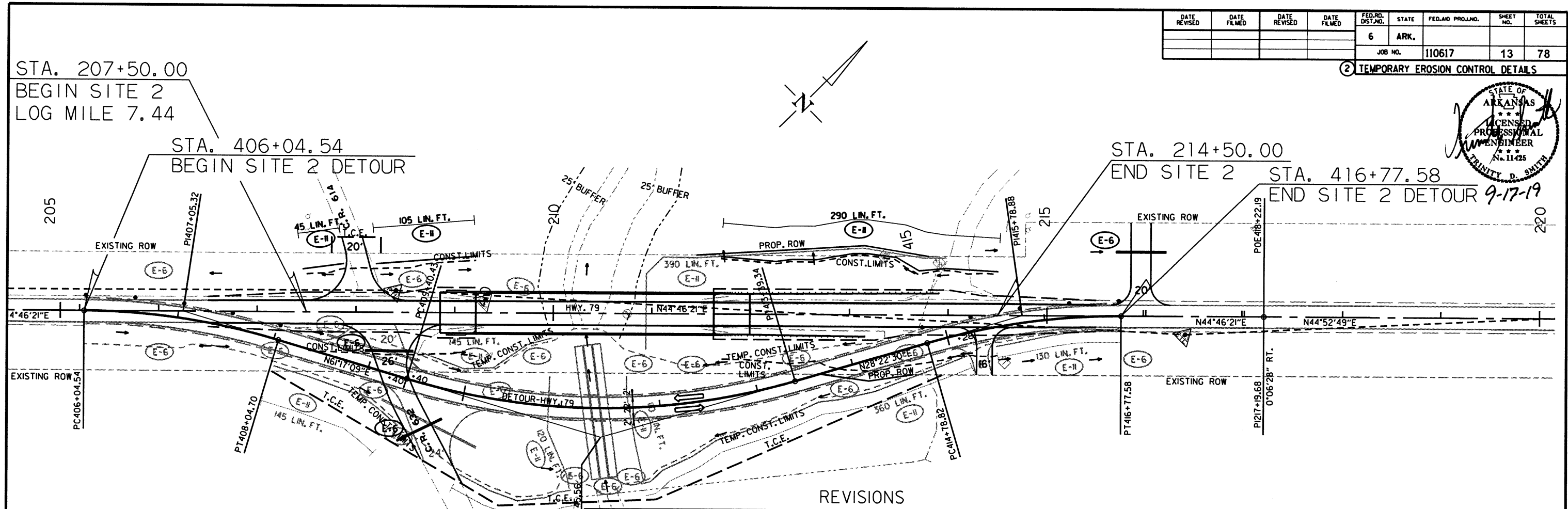
DATE	REVISION

ALL STAGES
SITE 1 (HWY. 50)
TEMPORARY EROSION CONTROL DETAILS

STAGE I
SITE 2 (HWY. 79)
TEMPORARY EROSION CONTROL DETAILS

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. 110617							13	78

② TEMPORARY EROSION CONTROL DETAILS

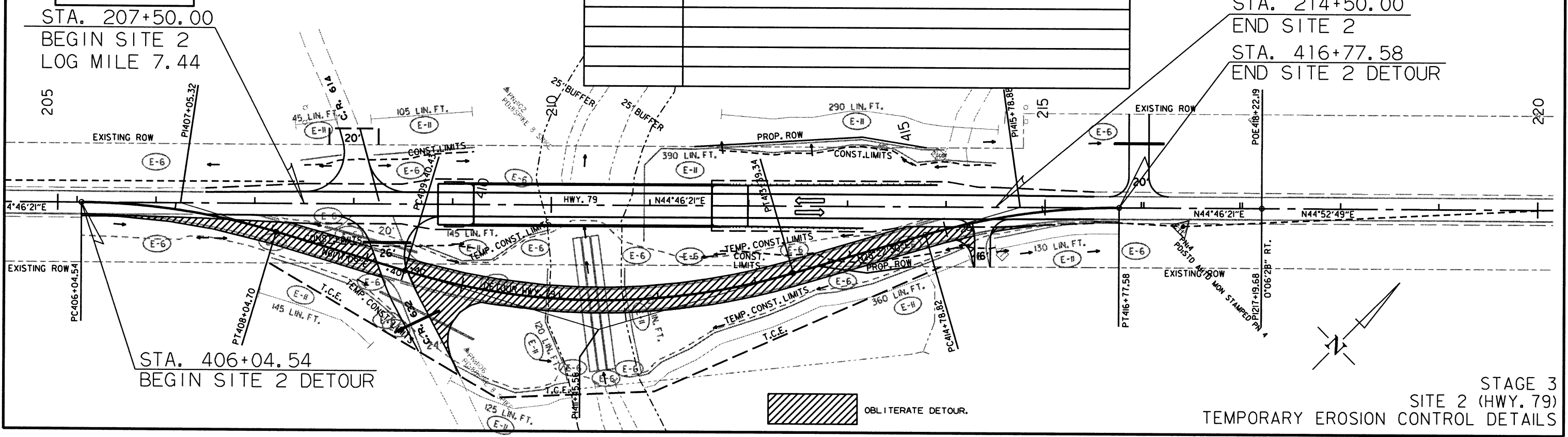


REVISIONS

DATE	REVISION

STAGE 2
SITE 2 (HWY. 79)
TEMPORARY EROSION CONTROL DETAILS

- LEGEND
- (E-6) ROCK DITCH CHECKS
 - (E-II) SILT FENCE



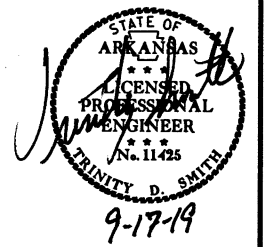
OBLITERATE DETOUR.

STAGE 3
SITE 2 (HWY. 79)
TEMPORARY EROSION CONTROL DETAILS

8/7/2019
R110617.DGN

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. 110617	14	78

② MAINTENANCE OF TRAFFIC DETAILS



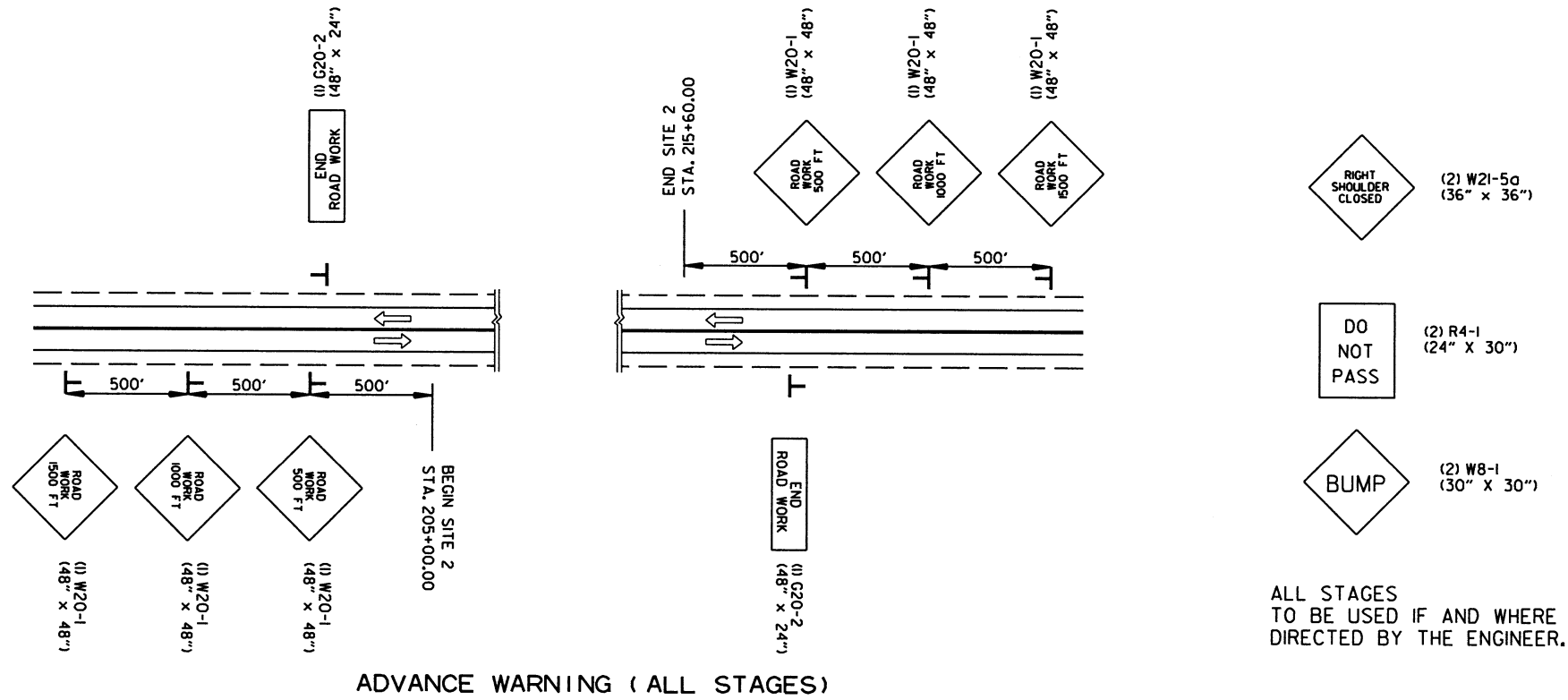
STAGE 1:
INSTALL ADVANCE WARNING SIGNS.

SITE 1:
CLOSE HWY. 50 AND CONSTRUCT THE ENTIRE BRIDGE AND APPROACHES.
DETOUR TRAFFIC AS SHOWN ON THE DETOUR ROUTE PLANS.

SITE 2:
INSTALL TRI. 96" X 136" TEMPORARY PIPE CULVERT AT STA. 210+35.00
AND CONSTRUCT DETOUR FROM STA. 205+24.22 TO STA. 215+75.06 ON HWY. 79 RIGHT.
INSTALL CONSTRUCTION PAVEMENT MARKINGS.
DELINEATE THE WORK ZONE USING VERTICAL PANELS AT 40' O.C.

STAGE 2:
SHIFT TRAFFIC ON TO THE DETOUR ROAD AND
CONSTRUCT BRIDGE FROM STA. 209+21.50 TO STA. 211+62.50.
CONSTRUCT MAIN LANES GRADING & PAVING.

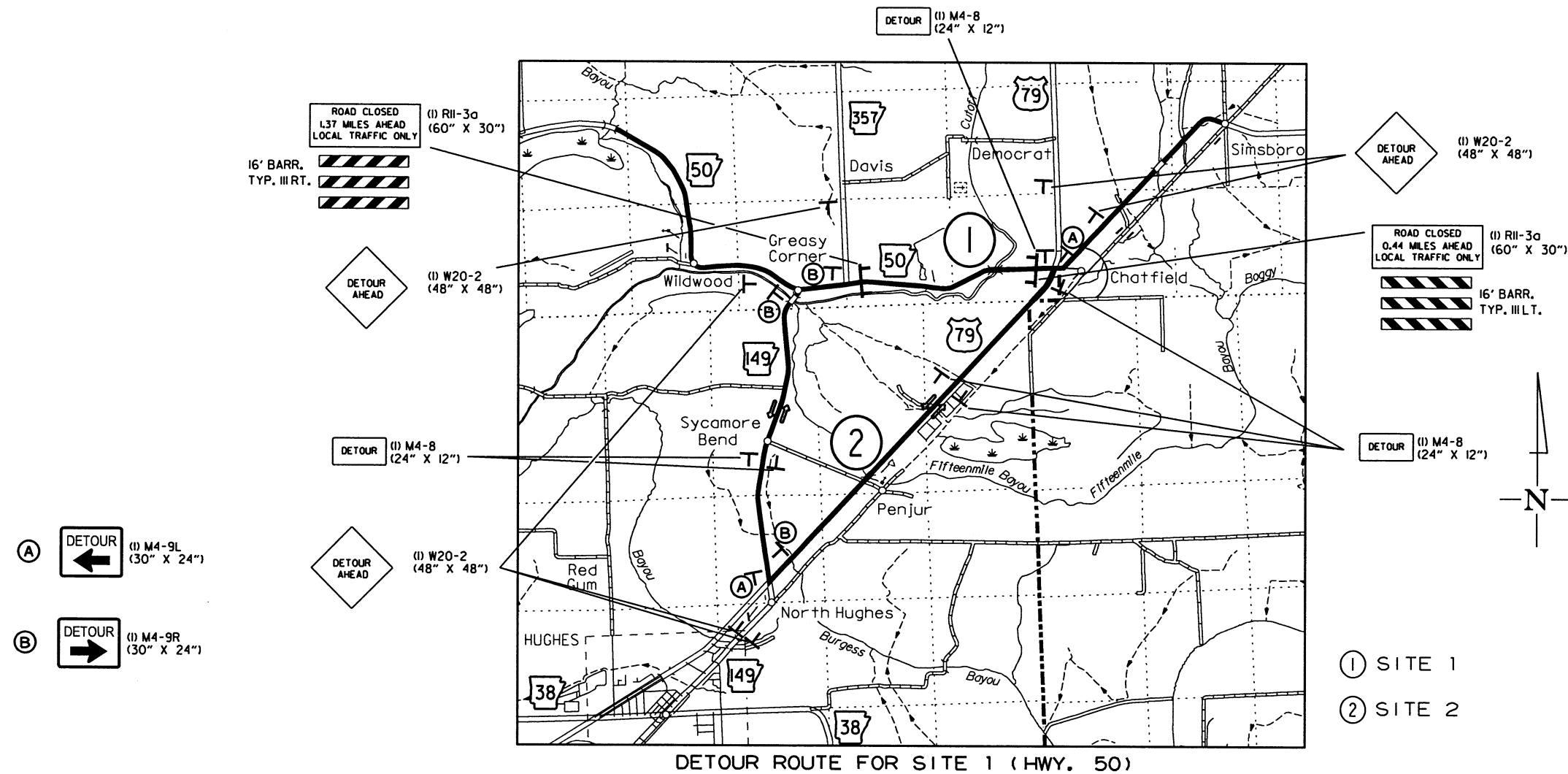
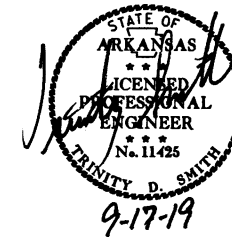
STAGE 3:
APPLY THE FINAL 2" OF ACHM SURFACE COURSE AFTER ALL CONSTRUCTION HAS BEEN COMPLETED.
OBLITERATE DETOUR AND REMOVE TEMPORARY PIPE CULVERTS.
SHIFT TRAFFIC ON TO THE NEW CONSTRUCTION AND INSTALL PERMANENT SEEDING.



ALL STAGES
TO BE USED IF AND WHERE
DIRECTED BY THE ENGINEER.

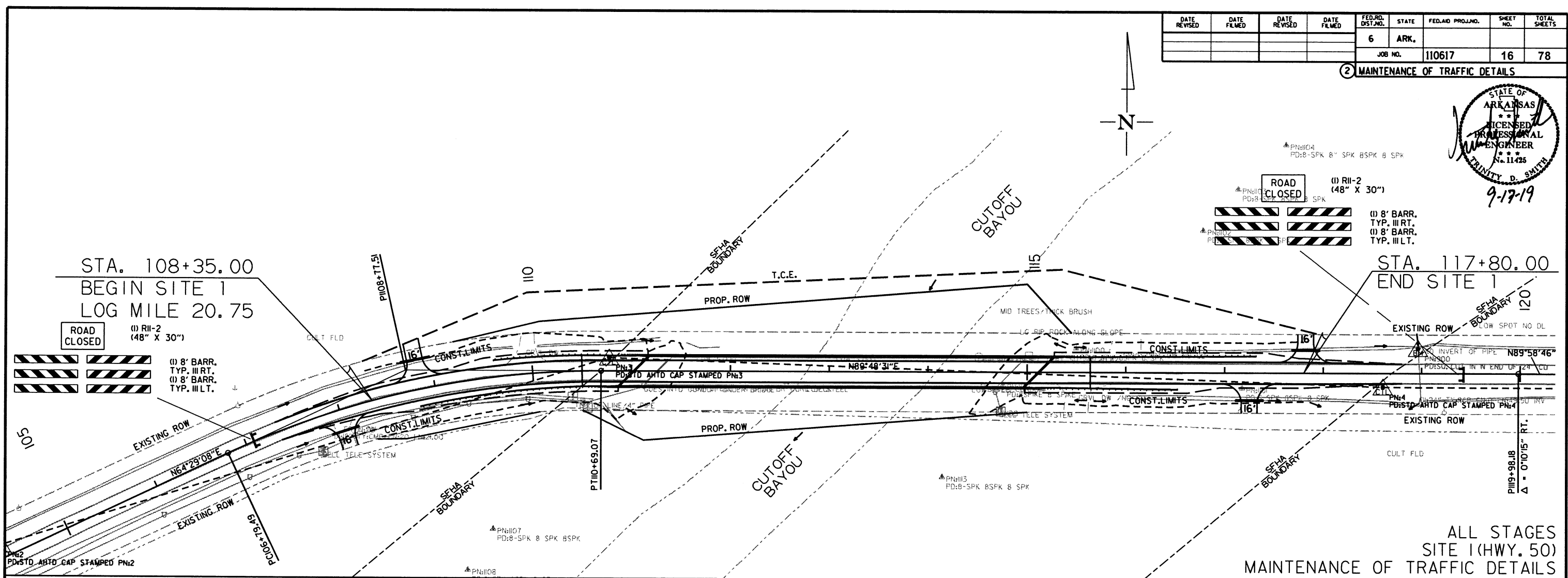
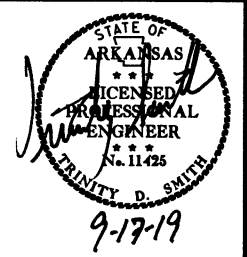
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
						JOB NO. 110617	15	78

② MAINTENANCE OF TRAFFIC DETAILS

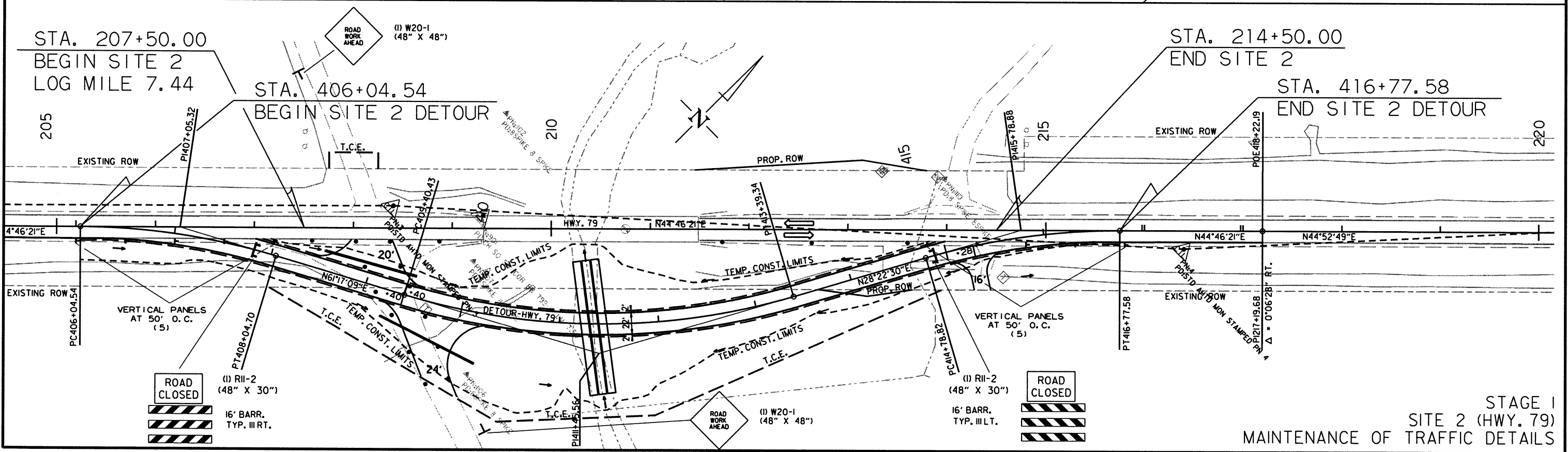


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 110617							16	78

② MAINTENANCE OF TRAFFIC DETAILS



ALL STAGES
SITE 1 (HWY. 50)
MAINTENANCE OF TRAFFIC DETAILS

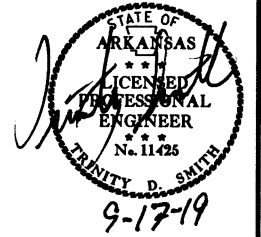


STAGE I
SITE 2 (HWY. 79)
MAINTENANCE OF TRAFFIC DETAILS

9/13/2019
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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. 110617							17	78

② MAINTENANCE OF TRAFFIC DETAILS

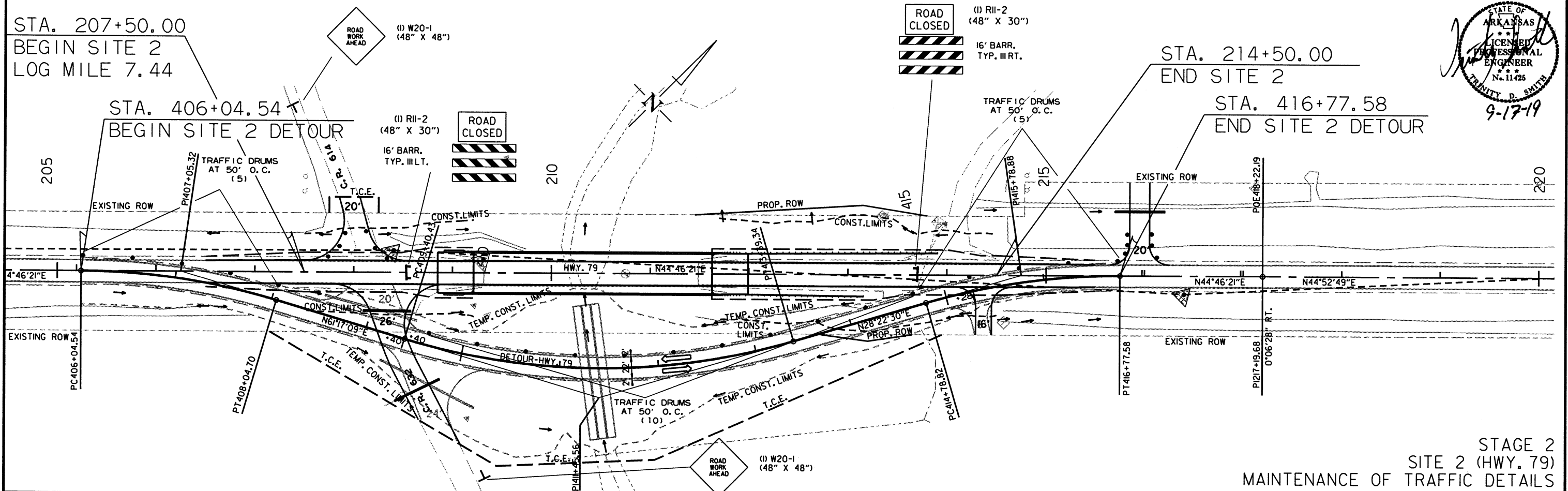


STA. 207+50.00
BEGIN SITE 2
LOG MILE 7.44

STA. 406+04.54
BEGIN SITE 2 DETOUR

STA. 214+50.00
END SITE 2

STA. 416+77.58
END SITE 2 DETOUR



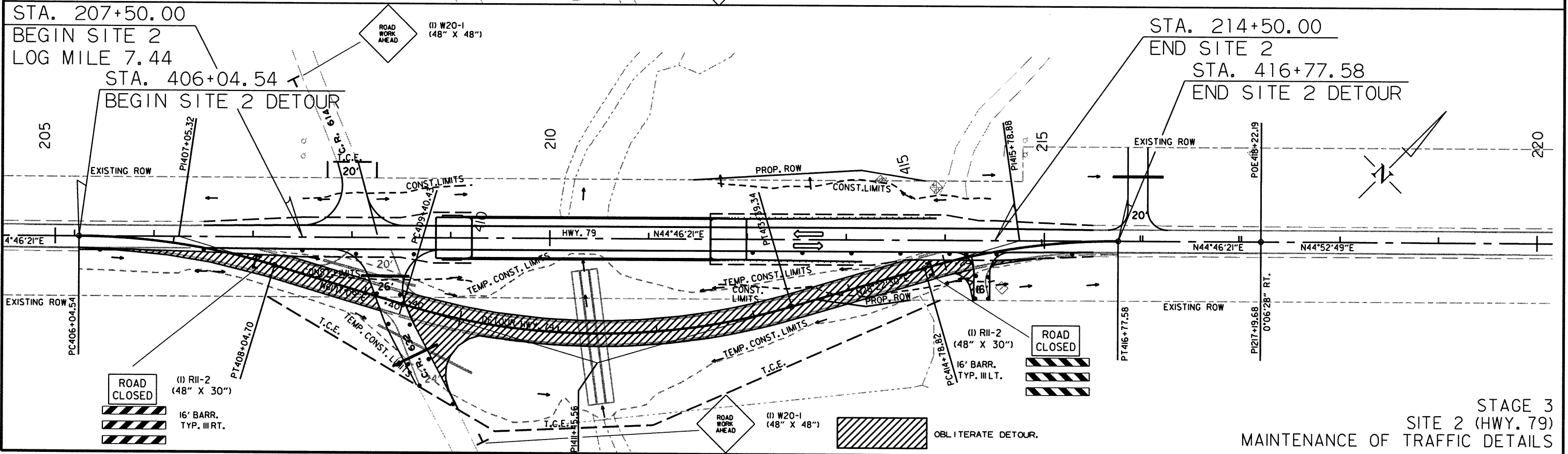
STAGE 2
SITE 2 (HWY. 79)
MAINTENANCE OF TRAFFIC DETAILS

STA. 207+50.00
BEGIN SITE 2
LOG MILE 7.44

STA. 406+04.54
BEGIN SITE 2 DETOUR

STA. 214+50.00
END SITE 2

STA. 416+77.58
END SITE 2 DETOUR



STAGE 3
SITE 2 (HWY. 79)
MAINTENANCE OF TRAFFIC DETAILS

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R110617.DGN

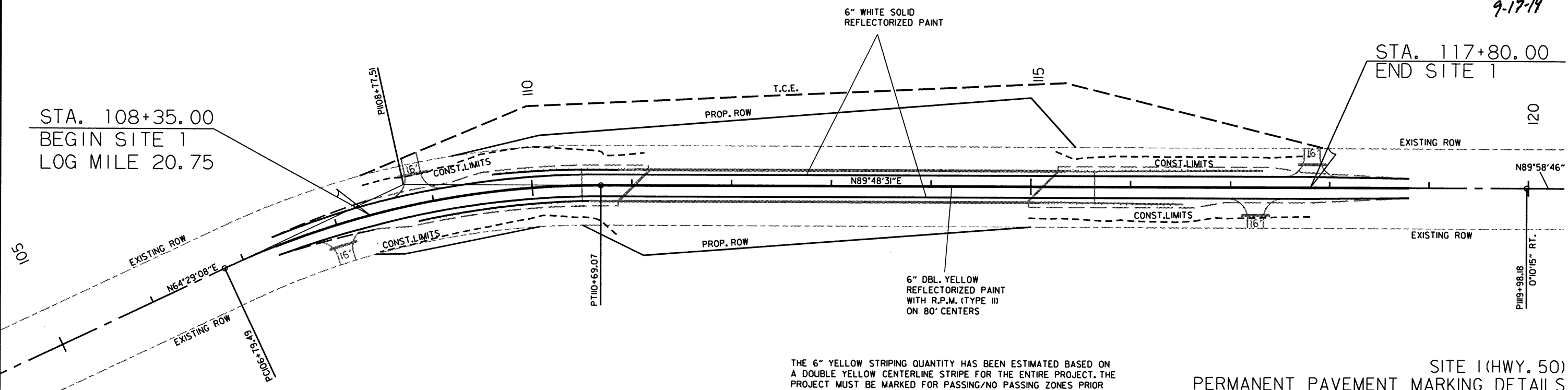
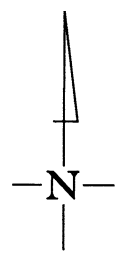
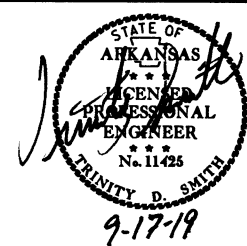
PERMANENT PAVEMENT MARKING DETAILS QUANTITIES

SITE 1:
 REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6") = 2290 LIN. FT.
 REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6") = 2290 LIN. FT.
 RAISED PAVEMENT MARKERS TYPE 11 (YEL/YEL) (80' O.C.) = 16 EACH

SITE 2:
 THERMOPLASTIC PAVEMENT MARKING WHITE (6") = 2100 LIN. FT.
 THERMOPLASTIC PAVEMENT MARKING YELLOW (6") = 2100 LIN. FT.
 RAISED PAVEMENT MARKERS TYPE 11 (YEL/YEL) (80' O.C.) = 15 EACH

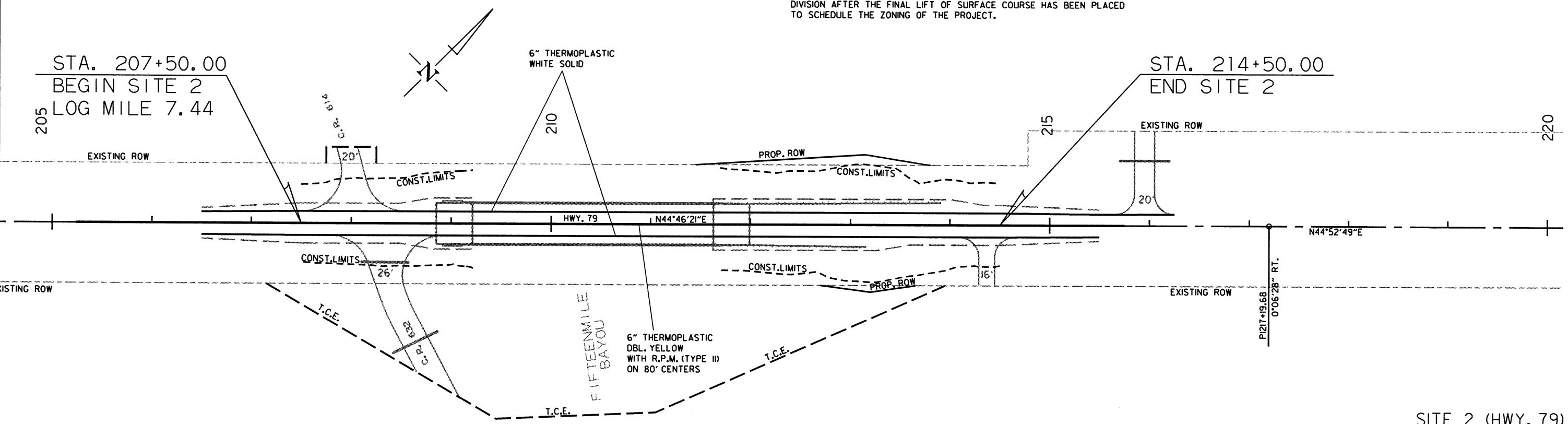
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
JOB NO. 110617							18	78

PERMANENT PAVEMENT MARKING DETAILS



THE 6" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT. THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING. CONTACT THE MAINTENANCE DIVISION AFTER THE FINAL LIFT OF SURFACE COURSE HAS BEEN PLACED TO SCHEDULE THE ZONING OF THE PROJECT.

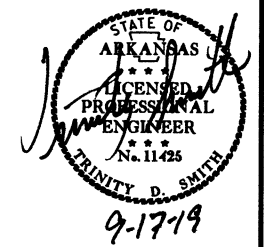
SITE 1 (HWY. 50)
 PERMANENT PAVEMENT MARKING DETAILS



SITE 2 (HWY. 79)
 PERMANENT PAVEMENT MARKING DETAILS

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.		19	78
				JOB NO. 110617				

② QUANTITIES



CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	STAGE 1	STAGE 2	STAGE 3	END OF JOB	REMOVAL OF PERMANENT PAVEMENT MARKINGS	CONSTRUCTION PAVEMENT MARKINGS	REMOVABLE CONSTRUCTION PAVEMENT MARKINGS	RAISED PAVEMENT MARKERS	THERMOPLASTIC PAVEMENT MARKING	REFLECTORIZED PAINT PAVEMENT MARKING
	LIN. FT. - EACH				LIN. FT.	LIN. FT.	LIN. FT.	TYPE II (YELLOW/YELLOW)	6" WHITE	6" YELLOW
								EACH	WHITE	YELLOW
REMOVAL OF PERMANENT PAVEMENT MARKINGS	810				810					
CONSTRUCTION PAVEMENT MARKINGS		4292				4292				
REMOVABLE CONSTRUCTION PAVEMENT MARKINGS		839					839			
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW)				31				31		
THERMOPLASTIC PAVEMENT MARKING WHITE (6")				2100					2100	
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")				2100						2100
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")				2290						2290
REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6")				2290						2290
TOTALS:					810	4292	839	31	2100	2100
									2290	2290

NOTE: SITE 1: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 SITE 2: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

NOTE: THE 6" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT.
 THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING.
 CONTACT THE MAINTENANCE DIVISION AFTER THE FINAL LIFT OF SURFACE COURSE HAS BEEN PLACED TO SCHEDULE THE ZONING OF THE PROJECT.

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	STAGE 1	STAGE 2	STAGE 3	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		VERTICAL PANELS	TRAFFIC DRUMS	BARRICADES (TYPE III)		
			LIN. FT. - EACH				NO.	SQ. FT.			EACH	RIGHT	LEFT
												LIN. FT.	
W20-1	ROAD WORK 1500 FT.	48"x48"	3	3	3	3	3	48.0					
W20-1	ROAD WORK 1000 FT.	48"x48"	3	3	3	3	3	48.0					
W20-1	ROAD WORK 500 FT.	48"x48"	3	3	3	3	3	48.0					
W20-1	ROAD WORK AHEAD	48"x48"	2	2	2	2	2	32.0					
G20-2	END ROAD WORK	48"x24"	3	3	3	3	3	24.0					
R11-2	ROAD CLOSED	48"x30"	4	4	4	4	4	40.0					
R11-3a	ROAD CLOSED xx MILES AHEAD LOCAL TRAFFIC ONLY	60"x30"	2	2	2	2	2	25.0					
R4-1	DO NOT PASS	24"x30"	2	2	2	2	2	10.0					
W21-5a	RIGHT SHOULDER CLOSED	36"x36"	2	2	2	2	2	18.0					
W8-1	BUMP	30"x30"	2	2	2	2	2	12.5					
M4-8	DETOUR	24"x12"	6	6	6	6	6	12.0					
M4-9L	DETOUR (LEFT ARROW)	30"x24"	2	2	2	2	2	10.0					
M4-9R	DETOUR (RIGHT ARROW)	30"x24"	3	3	3	3	3	15.0					
W20-2	DETOUR AHEAD	48"x48"	6	6	6	6	6	96.0					
SPECIAL	WORK WITH US SIGN (USE CAUTION, SLOW DOWN)	96"x48"	2	2	2	2	2	64.0					
	VERTICAL PANELS		10			10			10				
	TRAFFIC DRUMS		17	32	25	32				32			
	TYPE III BARRICADE-RT. (8')		2	2	2	2					16		
	TYPE III BARRICADE-LT. (8')		2	2	2	2						16	
	TYPE III BARRICADE-RT. (16')		2	2	2	2					32		
	TYPE III BARRICADE-LT. (16')		2	2	2	2						32	
TOTALS:								502.5	10	32	48	48	

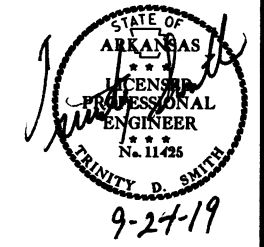
NOTE: SITE 1: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 SITE 2: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

R110617.DGN 8/7/2019

QUANTITIES

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.	110617	20 78

② QUANTITIES



CLEARING AND GRUBBING

STATION	STATION	LOCATION	CLEARING	GRUBBING
			STATION	STATION
111+50	113+35	SITE 1: HWY. 50	2	2
113+65	116+30	SITE 1: HWY. 50	3	3
209+20	213+95	SITE 2: HWY. 79	5	5
TOTALS:			10	10

ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC

LOCATION	TON	TACK COAT
		GALLON
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	10	20
TOTALS:	10	20

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

REMOVAL AND DISPOSAL OF PIPE CULVERTS

STATION	DESCRIPTION	EACH
SITE 1: HWY. 50		
107+99	18" X 21' CM PIPE CULVERT ON RT.	1
SITE 2: HWY. 79		
208+66	18" X 41' CM PIPE CULVERT ON RT.	1
TOTAL:		2

NOTE: QUANTITY SHOWN ABOVE SHALL INCLUDE REMOVAL & DISPOSAL OF ALL HEADWALLS AND FLARED END SECTIONS IF APPLICABLE.

4" PIPE UNDERDRAIN

STATION	STATION	LOCATIONS	4" PIPE UNDERDRAINS	UNDERDRAIN OUTLET PROTECTORS
			LIN. FT.	EACH
* ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER			300	2
TOTALS:			300	2

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

TIMBER COMPACTION PILE

STATION	DESCRIPTION	LIN. FT.
ENTIRE PROJECT	SITE 1	6760
ENTIRE PROJECT	SITE 2	18040
TOTAL:		24800

REMOVAL AND DISPOSAL OF GUARDRAIL

STATION	STATION	LOCATION	LIN. FT.
SITE 1: HWY. 50			
110+61	111+10	HWY. 50 ON RT.	50
110+90	111+39	HWY. 50 ON LT.	50
114+70	115+19	HWY. 50 ON RT.	50
114+98	115+48	HWY. 50 ON LT.	50
SITE 2: HWY. 79			
209+03	209+30	HWY. 79 ON LT.	27
209+03	209+30	HWY. 79 ON RT.	27
211+51	211+78	HWY. 79 ON LT.	27
211+51	211+78	HWY. 79 ON RT.	27
TOTAL:			308

NOTE: THE QUANTITY SHOWN ABOVE FOR THE REMOVAL AND DISPOSAL OF GUARDRAIL SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL GUARDRAIL TERMINALS AND TERMINAL ANCHOR POSTS.

COLD MILLING ASPHALT PAVEMENT

STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
107+35.00	108+35.00	SITE 1: HWY. 50 - MAIN LANES	20.00	222.22
117+80.00	118+80.00	SITE 1: HWY. 50 - MAIN LANES	20.00	222.22
206+50.00	207+50.00	SITE 2: HWY. 79 - MAIN LANES	22.00	244.44
214+50.00	215+50.00	SITE 2: HWY. 79 - MAIN LANES	22.00	244.44
TOTAL:				933.32

NOTE: AVERAGE MILLING DEPTH 1".

BENCH MARKS

STATION	LOCATION	BENCH MARKS
		EACH
111+02	SITE 1: HWY. 50 - BRIDGE END ON RT.	1
209+22	SITE 2: HWY. 79 - BRIDGE END ON RT.	1
TOTAL:		2

NOTE: SHOWN FOR INFORMATION ONLY. BENCH MARKS SHALL BE FURNISHED AND PLACED BY STATE FORCES.

ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	10
TOTAL:	10

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

GUARDRAIL

STATION	STATION	LOCATION	GUARDRAIL (TYPE A)	THRIE BEAM GUARDRAIL TERMINAL	GUARDRAIL TERMINAL (TYPE 2)	BRIDGE END TERMINAL
			LIN. FT.	EACH		
108+81.72	110+75.47	SITE 1 - RT. SIDE	125	1	1	
109+61.72	111+05.47	SITE 1 - LT. SIDE	75	1	1	
114+97.53	116+41.28	SITE 1 - RT. SIDE	75	1	1	
115+27.53	117+21.28	SITE 1 - LT. SIDE	125	1	1	
208+91.50	209+21.50	SITE 2 - RT. SIDE				1
208+91.50	209+21.50	SITE 2 - LT. SIDE				1
211+62.50	213+06.25	SITE 2 - RT. SIDE	75	1	1	
211+62.50	213+81.25	SITE 2 - LT. SIDE	150	1	1	
TOTALS:			625	6	6	2

SELECTED PIPE BEDDING

LOCATION	SELECTED PIPE BEDDING
	CU.YD.
ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	55
TOTAL:	55

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

EARTHWORK

STATION	STATION	LOCATION / DESCRIPTION	UNCLASSIFIED EXCAVATION	COMPACTED EMBANKMENT	* SOIL STABILIZATION
			CU. YD.	CU. YD.	TON
ENTIRE	PROJECT	SITE 1 - HWY. 50: ALL STAGES - MAIN LANES	384	255	
ENTIRE	PROJECT	SITE 2 - HWY. 79: STAGE 1 - DETOUR	1448	11243	
ENTIRE	PROJECT	SITE 2 - HWY. 79: STAGE 2 - MAIN LANES	701	948	
ENTIRE	PROJECT	SITE 2 - HWY. 79: STAGE 3 - OBLITERATE DETOUR	12211	1253	
ENTIRE	PROJECT	APPROACHES		615	
ENTIRE	PROJECT	TEMPORARY APPROACHES		60	
111+01.47	115+12.53	SITE 1 - BRIDGE EXCAVATION	2100		
209+21.50	211+62.50	SITE 2 - BRIDGE EXCAVATION	405		
ENTIRE	PROJECT	TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER			100
TOTALS:			17249	14374	100

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

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

SOIL LOG

STATION	LATITUDE			LONGITUDE			LOCATION	DEPTH FEET	LIQUID LIMIT	PLASTICITY INDEX	AASHTO CLASSIFICATION	COLOR
	DEG	MIN	SEC	DEG	MIN	SEC						
107+00	35		24.40	90	24	54.60	6' RT.	0-5	36	19	A-6(17)	GRAY
107+00	35		24.30	90	24	54.60	16' RT.	0-5	34	15	A-6(14)	GRAY
107+10	35		24.40	90	24	54.50	16' RT.	0-5	36	18	A-6(16)	GRAY
120+00	35		25.10	90	24	41.60	6' LT.	0-5	52	33	A-7-6(27)	GRAY
120+00	35		25.20	90	24	41.60	16' LT.	0-5	56	35	A-7-6(34)	GRAY
208+00	34	58	43.00	90	26	13.00	6' RT.	0-5	27	15	A-6(11)	GRAY
208+00	34	58	42.80	90	26	12.70	27' RT.	0-5	49	30	A-7-6(27)	GRAY
208+10	34	58	42.90	90	26	12.60	27' RT.	0-5	43	33	A-7-6(22)	GRAY
215+00	34	58	48.90	90	26	5.70	6' LT.	0-5	34	20	A-6(13)	GRAY
215+00	34	58	48.90	90	26	5.80	24' LT.	0-5	53	38	A-7-6(36)	GRAY

SOIL CHARACTERISTICS TABULATED ABOVE ARE REPRESENTATIVE AT THE LOCATION OF THE SAMPLE, AND FROM SURFACE INDICATIONS ARE TYPICAL FOR THE LIMITS SHOWN. THESE DATA ARE SHOWN FOR INFORMATION ONLY. THE STATE WILL NOT BE RESPONSIBLE FOR VARIATIONS IN THE SOIL CHARACTERISTICS AND/OR EXTENT OF SAME DIFFERING FROM THE ABOVE TABULATIONS.

EROSION CONTROL

STATION	STATION	LOCATION	PERMANENT EROSION CONTROL					TEMPORARY EROSION CONTROL								
			SEEDING	LIME	MULCH COVER	WATER	SECOND SEEDING APPLICATION	TEMPORARY SEEDING	MULCH COVER	WATER	ROCK DITCH CHECKS	SILT FENCE	SEDIMENT BASIN	OBLITERATION OF SEDIMENT BASIN	*SEDIMENT REMOVAL & DISPOSAL	
			ACRE	TON	ACRE	M.GAL.	ACRE	ACRE	ACRE	ACRE	M.GAL.	(E-6) CU.YD.	(E-11) LIN. FT.	(E-14) CU.YD.	CU.YD.	CU. YD.
ENTIRE	PROJECT	CLEARING AND GRUBBING														103
ENTIRE	PROJECT	STAGE 1						6.51	6.51	132.8			215		215	236
ENTIRE	PROJECT	STAGE 2						4.56	4.56	93.0						19
ENTIRE	PROJECT	STAGE 3	3.78	7.56	3.78	385.6	3.78									
*ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.			0.95	1.90	0.95	96.9	0.95	2.77	2.77	56.5	29	711	54	54	85	
TOTALS:			4.73	9.46	4.73	482.5	4.73	13.84	13.84	282.3	143	3556	269	269	443	

BASIS OF ESTIMATE:
LIME 2 TONS / ACRE OF SEEDING
WATER 102.0 M.G. / ACRE OF SEEDING
WATER 20.4 M.G. / ACRE OF TEMPORARY SEEDING
ROCK DITCH CHECKS 3 CU.YD./LOCATION

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

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

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. 110617	21	78

② QUANTITIES

RUMBLE STRIPS IN ASPHALT SHOULDERS

STATION	STATION	LOCATION	* RUMBLE STRIPS IN ASPHALT SHOULDERS
			LIN. FT.
207+50	207+74	SITE 2 - RT. SHOULDER	24
208+59	208+85	SITE 2 - LT. SHOULDER	26
211+99	212+47	SITE 2 - LT. SHOULDER	48
211+99	212+47	SITE 2 - RT. SHOULDER	48
212+59	213+07	SITE 2 - LT. SHOULDER	48
212+59	213+07	SITE 2 - RT. SHOULDER	48
213+19	213+67	SITE 2 - LT. SHOULDER	48
213+19	213+67	SITE 2 - RT. SHOULDER	48
213+79	214+04	SITE 2 - RT. SHOULDER	25
213+79	214+27	SITE 2 - LT. SHOULDER	48
TOTAL:			411

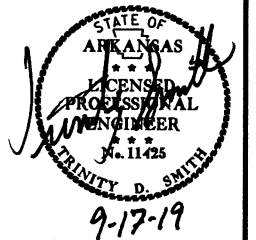
* QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.
TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

DUMPED RIPRAP AND FILTER BLANKET

STATION	LOCATION	DUMPED RIPRAP	FILTER BLANKET
		CU. YD.	SQ. YD.
411+35	TEMPORARY PIPE CULVERT	22	42
	TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	5	10
TOTALS:		27	52

*NOTE: QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STANDARD SPECIFICATIONS

NOTE: FILTER BLANKET SHALL BE GEOTEXTILE FABRIC (TYPE 5).



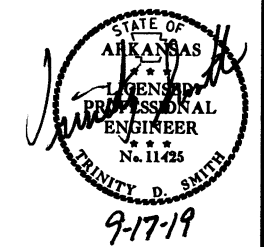
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
							JOB NO.	110617
							SHEET NO.	22
							TOTAL SHEETS	78

STRUCTURES

STATION	DESCRIPTION	TEMPORARY CULVERTS		STD. DWG. NOS.
		18"	96"	
		LIN. FT.		
409+40	18" TEMP. PIPE CULVERT SIDE DRAIN ON LT.	96		PCC-1, PCM-1, PCP-1, PCP-2
409+40	18" TEMP. PIPE CULVERT SIDE DRAIN ON RT.	108		PCC-1, PCM-1, PCP-1, PCP-2
411+35	TRI. 96" TEMP. PIPE CULVERT		408	PCC-1, PCM-2
TOTALS:		204	408	

NOTE: FOR R.C. PIPE CULVERT INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED.
 NOTE: FOR C.M. PIPE CULVERT INSTALLATIONS USE TYPE 2 BEDDING UNLESS OTHERWISE SPECIFIED.

② **QUANTITIES**



APPROACH GUTTERS AND SLABS

STATION	STATION	LOCATION	APPROACH GUTTER		APPROACH SLAB		REINFORCING STEEL-RDWY. (GR. 60)	AGGREGATE BASE CRS. (CLASS 7)
			(TYPE A)	(TYPE C)	(TYPE A)	(TYPE C1)		
			CU.YD.		CU.YD.			
110+50.00	111+01.50	SITE 1: HWY. 50 - APPROACH SLABS			27.30		2110	25.00
110+56.50	110+86.50	SITE 1: HWY. 50 - RT. SIDE	4.25				360	
110+86.50	111+16.50	SITE 1: HWY. 50 - LT. SIDE	4.25				360	
114+97.50	115+27.50	SITE 1: HWY. 50 - RT. SIDE	4.25				360	
115+12.50	115+64.00	SITE 1: HWY. 50 - APPROACH SLABS			27.30		2110	25.00
115+27.50	115+57.50	SITE 1: HWY. 50 - LT. SIDE	4.25				360	
208+85.00	209+21.50	SITE 2: HWY. 79 - LT. SIDE		14.80			810	
208+85.00	209+21.50	SITE 2: HWY. 79 - RT. SIDE		14.80			810	
208+85.00	209+21.50	SITE 2: HWY. 79 - APPROACH SLABS			49.15		5775	25.00
211+62.50	211+99.00	SITE 2: HWY. 79 - LT. SIDE		14.80			810	
211+62.50	211+99.00	SITE 2: HWY. 79 - RT. SIDE		14.80			810	
211+62.50	211+99.00	SITE 2: HWY. 79 - APPROACH SLABS			49.15		5775	25.00
TOTALS:			17.00	59.20	54.60	98.30	20450	100.00

NOTE: USE T=12" FOR 4' SHOULDER.
 NOTE: USE T=15.5" FOR 8' SHOULDER.

DRIVEWAYS & TURNOUTS

STATION	SIDE	LOCATION	WIDTH	ACHM SURFACE COURSE (1/2") 220 LBS. PER SQ. YD. (PG 64-22)		AGGREGATE BASE COURSE (CLASS 7)	SIDE DRAINS	STANDARD DRAWINGS
				SQ. YD.	TON			
				FEET	TON			
108+00	RT.	SITE 1 - HWY. 50	16	40.73	4.48	16.63	28	PCC-1, PCM-1, PCP-1, PCP-2
108+85	LT.	SITE 1 - HWY. 50	16	40.73	4.48	16.63	30	PCC-1, PCM-1, PCP-1, PCP-2
117+25	RT.	SITE 1 - HWY. 50	16	40.73	4.48	16.63	28	PCC-1, PCM-1, PCP-1, PCP-2
117+82	LT.	SITE 1 - HWY. 50	16	40.73	4.48	16.63	28	PCC-1, PCM-1, PCP-1, PCP-2
208+01	LT.	SITE 2 - HWY. 79 - C.R. 614	20	50.07	5.51	20.45		
208+35	RT.	SITE 2 - HWY. 79 - C.R. 632	26	64.07	7.05	26.16	98	PCC-1, PCM-1, PCP-1, PCP-2
214+37	RT.	SITE 2 - HWY. 79	16	40.73	4.48	16.63		
215+95	LT.	SITE 2 - HWY. 79	20	50.07	5.51	20.45	50	PCC-1, PCM-1, PCP-1, PCP-2
* ENTIRE PROJECT TEMPORARY DRIVES						75.00		
TOTALS:				367.86	40.47	225.21	262	

BASIS OF ESTIMATE:
 ACHM SURFACE COURSE (1/2").....94.7% MIN. AGGR.....5.3% ASPHALT BINDER
 MAXIMUM NUMBER OF GYRATIONS = 115 FOR PG 64-22

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

NOTE: FOR C.M. PIPE CULVERT INSTALLATIONS USE TYPE 2 BEDDING UNLESS OTHERWISE SPECIFIED.
 NOTE: FOR R.C. PIPE CULVERT INSTALLATIONS USE TYPE 3 BEDDING UNLESS OTHERWISE SPECIFIED.