DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	1	183
		RED RIVER - OGDEN (S)				

"THIS IS A PARTIALLY CONTROLLED FACILITY"

ARKANSAS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLANS FOR STATE HIGHWAY

RED RIVER - OGDEN (S)

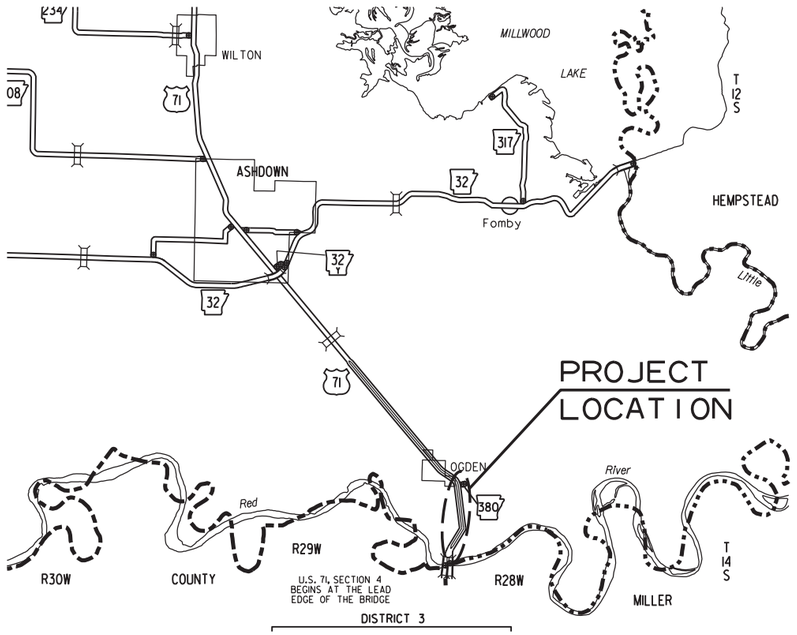
LITTLE RIVER COUNTY

ROUTE 71 SECTION 4

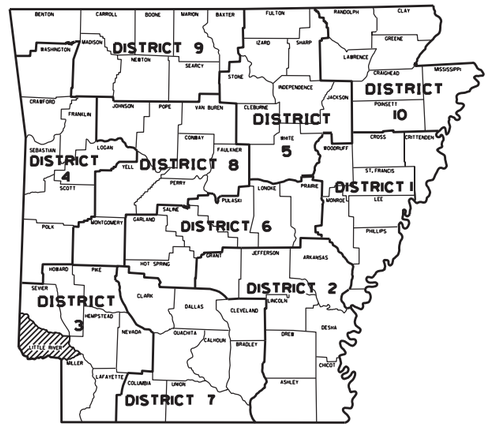
JOB 030531

FED. AID PROJ. PRTT-0041(46)

NOT TO SCALE



VICINITY MAP



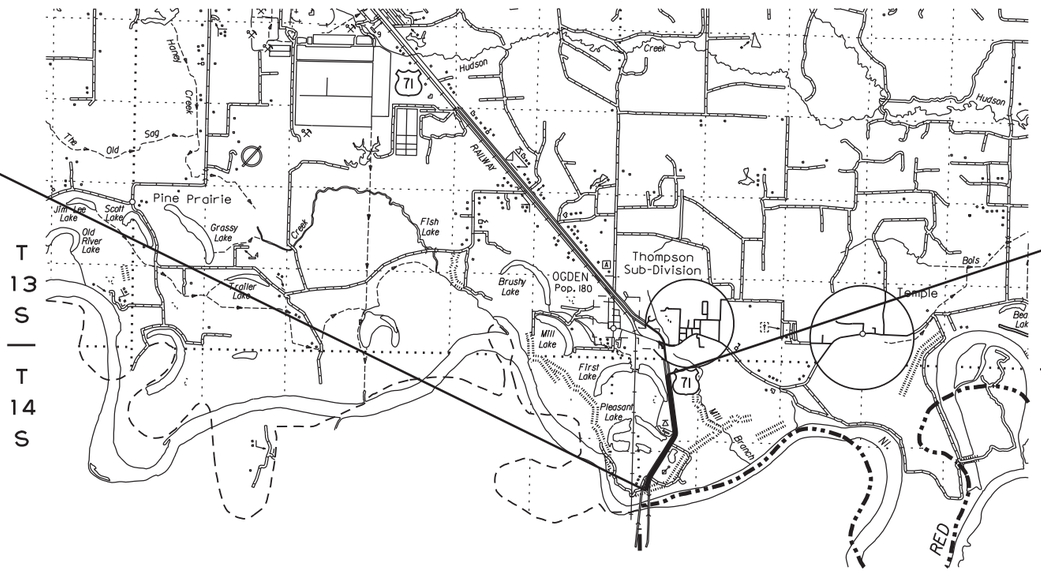
ARK. HWY. DIST. NO. 3

DESIGN TRAFFIC DATA

DESIGN YEAR	2046
2026 ADT	13,000
2046 ADT	15,000
2046 DHV	1,650
DIRECTIONAL DISTRIBUTION	0.60
TRUCKS	12%
DESIGN SPEED	60 MPH

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

R 30 W | R 29 W R 29 W | R 28 W



R 30 W | R 29 W R 29 W | R 28 W

STA. 184+00.00
END JOB 030531

APPROVED

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 12547
JESSIE XU JONES

Date: 2026.06.16 09:15:30-05'00'

CHIEF ENGINEER - PRECONSTRUCTION

BEGINNING OF PROJECT	MID POINT OF PROJECT	END OF PROJECT
LATITUDE = N 33°33'19"	LATITUDE = N 33°33'53"	LATITUDE = N 33°34'30"
LONGITUDE = W 94°02'31"	LONGITUDE = W 94°02'09"	LONGITUDE = W 94°02'13"

GROSS LENGTH OF	PROJECT	7740.01	FEET	OR	1.466	MILES
NET	"	" ROADWAY	7740.01	"	"	1.466	"
NET	"	" BRIDGES	0.00	"	"	0.000	"
NET	"	" PROJECT	7740.01	"	"	1.466	"

MM41715 3/12/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	2	183
		INDEX OF SHEETS AND STANDARD DRAWINGS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS AND STANDARD DRAWINGS
3	GOVERNING SPECIFICATIONS AND GENERAL NOTES
4 - 8	TYPICAL SECTIONS OF IMPROVEMENT
9 - 11	SPECIAL DETAILS
12 - 53	TEMPORARY EROSION CONTROL DETAILS
54 - 92	MAINTENANCE OF TRAFFIC DETAILS
93 - 97	PERMANENT PAVEMENT MARKING DETAILS
98 - 103	QUANTITIES
104	SUMMARY OF QUANTITIES AND REVISIONS
105 - 111	SURVEY CONTROL DETAILS
112 - 124	PLAN AND PROFILE SHEETS
125 - 128	DETOUR PLAN AND PROFILE SHEETS
129 - 183	CROSS SECTIONS

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

ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
CDP-1	CONCRETE DITCH PAVING	12-08-16
DR-2	DETAILS OF DRIVEWAYS & STREET TURNOUTS	05-19-22
FES-1	FLARED END SECTION	10-18-96
FES-2	FLARED END SECTION	10-18-96
FPC-9D	DETAILS OF DROP INLETS	08-22-02
GR-6	GUARDRAIL DETAILS	05-19-22
GR-8	GUARDRAIL DETAILS	11-07-19
GR-9	GUARDRAIL DETAILS	11-07-19
GR-10	GUARDRAIL DETAILS	11-07-19
GR-11	GUARDRAIL DETAILS	11-07-19
PBC-1	PRECAST CONCRETE BOX CULVERTS	01-28-15
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
PCP-3	PLASTIC PIPE CULVERT (POLYPROPYLENE)	02-27-20
PM-1	PAVEMENT MARKING DETAILS	04-09-26
PU-1	DETAILS OF PIPE UNDERDRAIN	12-08-16
RCB-1	REINFORCED CONCRETE BOX CULVERT DETAILS	07-26-12
RCB-2	EXCAVATION PAY LIMITS, BACKFILL, & SOLID SODDING FOR BOX CULVERTS	11-20-03
SE-1	TABLES AND METHOD OF SUPERELEVATION FOR ONE-WAY TRAFFIC	11-07-19
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-14-25
TC-1A	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	04-09-26
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-14-25
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-14-25
TC-4	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER	11-07-19
TC-5	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER	11-07-19
TC-6	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	04-09-26
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
WF-1	WIRE FENCE TYPE A AND B	08-22-02
WF-2	WIRE FENCE WATER GAPS	04-20-79
WF-4	WIRE FENCE TYPE C AND D	08-22-02

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
7/30/2026		6	ARK.	030531	3	183
		GOVERNING SPECIFICATIONS & GENERAL NOTES				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 07/31/2026

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
FHWA-1273__	SUPPLEMENT - TRAINING PROGRAM - JOB 030531
100-3_____	CONTRACTOR'S LICENSE
100-4_____	DEPARTMENT NAME CHANGE
102-2_____	ISSUANCE OF PROPOSALS
102-3_____	PREQUALIFICATION OF BIDDERS
103-2_____	CONTACT INFORMATION FOR MOTORIST DAMAGE CLAIMS
105-4_____	MAINTENANCE DURING CONSTRUCTION
107-2_____	RESTRAINING CONDITIONS
108-1_____	LIQUIDATED DAMAGES
108-2_____	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
110-1_____	PROTECTION OF WATER QUALITY AND WETLANDS
210-1_____	UNCLASSIFIED EXCAVATION
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
400-7_____	TRACKLESS TACK
404-3_____	DESIGN OF ASPHALT MIXTURES
409-2_____	ASPHALT LABORATORY FACILITY
410-1_____	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2_____	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
410-4_____	EVALUATION OF ACHM SUBLOT REPLACEMENT MATERIAL
416-1_____	RECYCLED ASPHALT PAVEMENT
600-2_____	INCIDENTAL CONSTRUCTION
603-1_____	LANE CLOSURE NOTIFICATION
604-1_____	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-3_____	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
605-1_____	CONCRETE DITCH PAVING
606-1_____	PIPE CULVERTS FOR SIDE DRAINS
617-1_____	GUARDRAIL TERMINAL (TYPE 2)
617-2_____	GUARDRAIL DELINEATORS
619-1_____	FENCES
620-1_____	MULCH COVER
621-1_____	FILTER SOCKS
802-5_____	CONCRETE FOR STRUCTURES
JOB 030531__	BIDDING REQUIREMENTS AND CONDITIONS
JOB 030531__	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB 030531__	BUY AMERICA - CONSTRUCTION MATERIALS
JOB 030531__	CARGO PREFERENCE ACT REQUIREMENTS
JOB 030531__	COLD MILLING – COUNTY PROPERTY
JOB 030531__	CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS
JOB 030531__	CONSTRUCTION PROJECT INFORMATION SIGN
JOB 030531__	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
JOB 030531__	DOCUMENTATION OF PAYMENTS MADE - PROMPT PAYMENT (SIGNET)
JOB 030531__	FLEXIBLE BEGINNING OF WORK – CALENDAR DAY CONTRACT
JOB 030531__	LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS
JOB 030531__	LOCAL WORK ZONE LAW ENFORCEMENT
JOB 030531__	LONGITUDINAL JOINT DENSITIES FOR ACHM SURFACE COURSES
JOB 030531__	MANDATORY ELECTRONIC CONTRACT
JOB 030531__	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 030531__	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
JOB 030531__	NESTING SITES OF MIGRATORY BIRDS
JOB 030531__	PARTNERING REQUIREMENTS
JOB 030531__	PERCENT WITHIN LIMITS/PAVEMENT SMOOTHNESS (IRI)
JOB 030531__	PLASTIC PIPE
JOB 030531__	PORTABLE CONSTRUCTION LIGHTING
JOB 030531__	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 030531__	PRICE ADJUSTMENT FOR FUEL
JOB 030531__	PRIME CONTRACTOR PERFORMANCE EVALUATION
JOB 030531__	PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVELLANCE SERVICES OR EQUIPMENT
JOB 030531__	RECYCLED ASPHALT SHINGLES
JOB 030531__	SEQUENCE OF CONSTRUCTION - ALTERNATE CONCEPTUAL PROPOSAL (ACP)
JOB 030531__	SHORING FOR CULVERTS
JOB 030531__	SITE USE (A+C METHOD) – CALENDAR DAY CONTRACT
JOB 030531__	SOIL STABILIZATION
JOB 030531__	STORM WATER POLLUTION PREVENTION PLAN
JOB 030531__	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 030531__	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 030531__	TRENCHING AND SHOULDER PREPARATION FOR TEMPORARY WIDENING
JOB 030531__	TUBULAR MARKERS
JOB 030531__	UTILITY ADJUSTMENTS
JOB 030531__	VALUE ENGINEERING
JOB 030531__	VENDOR REGISTRATION REQUIREMENT
JOB 030531__	WARM MIX ASPHALT
JOB 030531__	WATER POLLUTION CONTROL
JOB 030531__	WORK ZONE LAW ENFORCEMENT

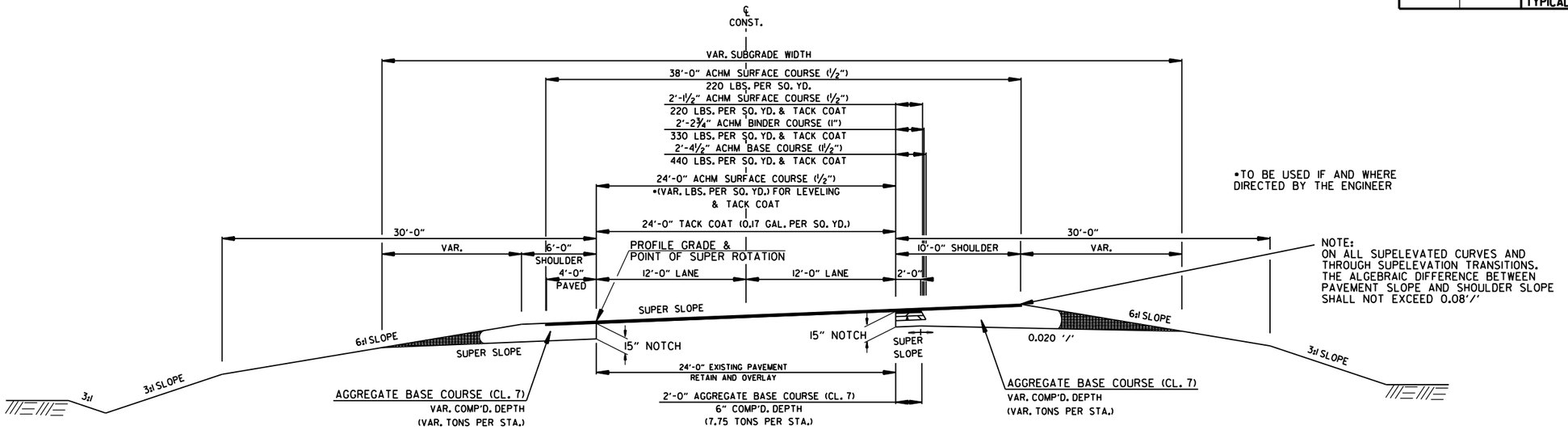
GENERAL NOTES

1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
3. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
6. 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.
7. 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.
8. 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.
9. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
10. 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.
11. 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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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	4	183
		TYPICAL SECTIONS OF IMPROVEMENT				

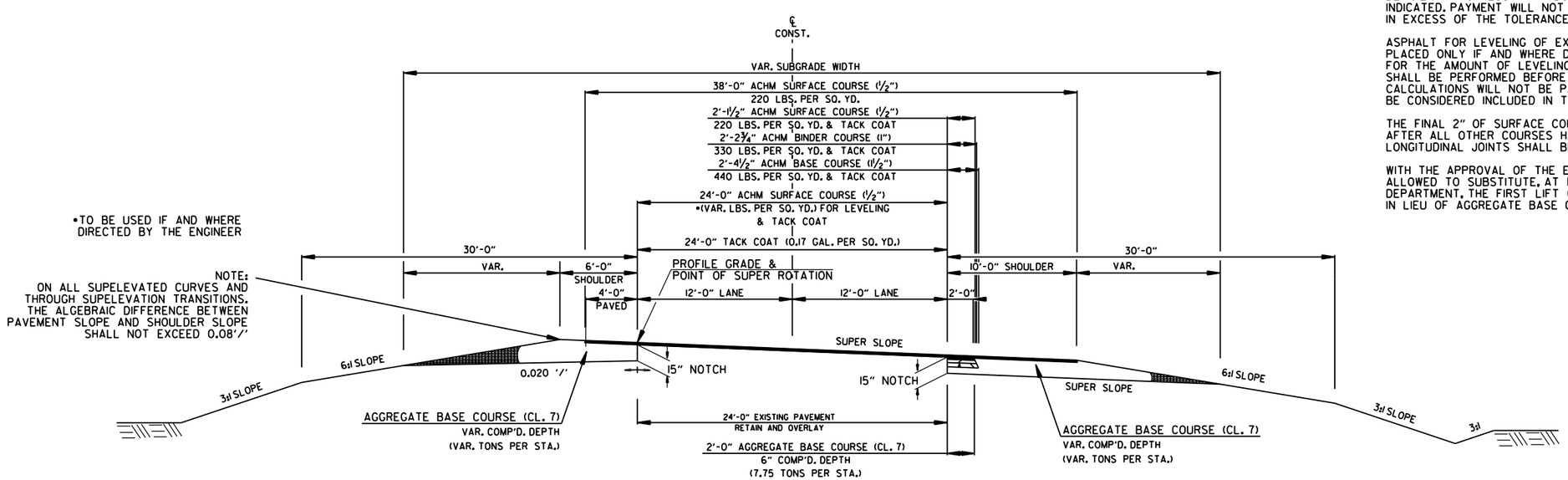
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



•TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

NOTE:
ON ALL SUPELEVATED CURVES AND THROUGH SUPELEVATION TRANSITIONS, THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 0.08'/'

HWY. 71 - NOTCH, WIDEN, & OVERLAY SECTION
SUPERELEVATION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 108+20.00 LT. - STA. 113+55.00 LT.



HWY. 71 - NOTCH, WIDEN, & OVERLAY SECTION
SUPERELEVATION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 106+72.28 RT. - STA. 111+35.00 RT.

NOTES:

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.

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.

ASPHALT FOR LEVELING OF EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND 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.

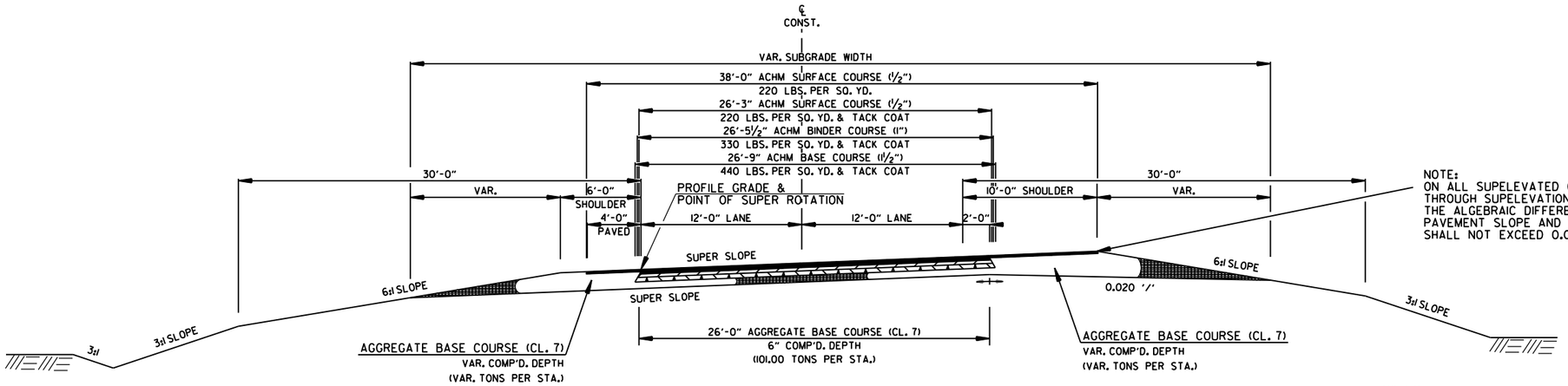
WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE, AT NO ADDITIONAL COST TO THE DEPARTMENT, THE FIRST LIFT OF ACHM SURFACE COURSE (1/2") IN LIEU OF AGGREGATE BASE COURSE ON THE SHOULDERS.

MM41715 6/15/2026
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TYPICAL SECTIONS OF IMPROVEMENT

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	5	183
		TYPICAL SECTIONS OF IMPROVEMENT				

STATE OF ARKANSAS
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NOTE:
ON ALL SUPELEVATED CURVES AND THROUGH SUPELEVATION TRANSITIONS. THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 0.08'/'

HWY. 71 - FULL DEPTH SECTION
SUPERELEVATION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 113+55.00 LT. - STA. 120+45.87 LT.
STA. 137+61.61 RT. - STA. 153+48.69 RT.

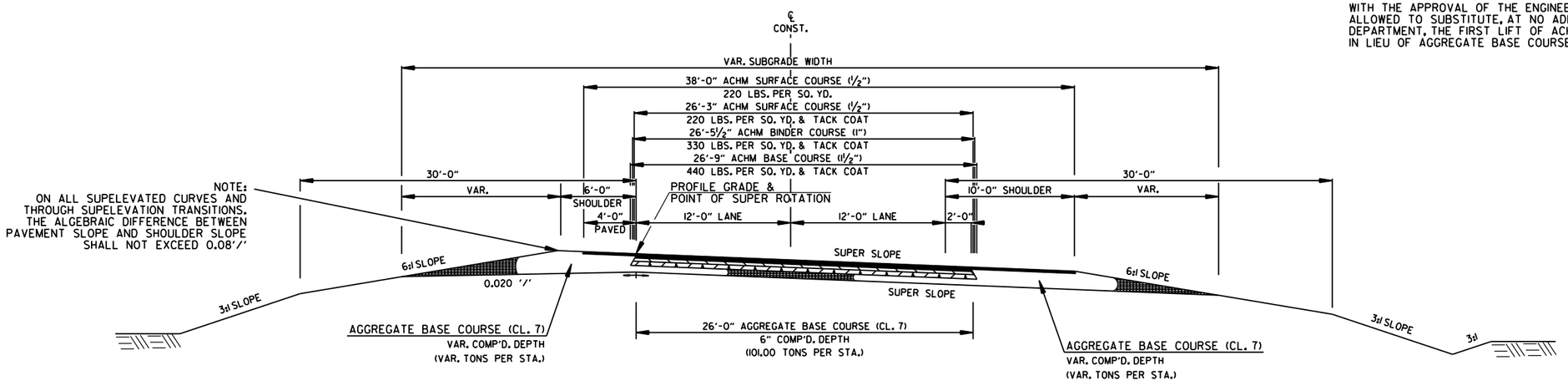
NOTES:

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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.

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

WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE, AT NO ADDITIONAL COST TO THE DEPARTMENT, THE FIRST LIFT OF ACHM SURFACE COURSE (1/2") IN LIEU OF AGGREGATE BASE COURSE ON THE SHOULDERS.

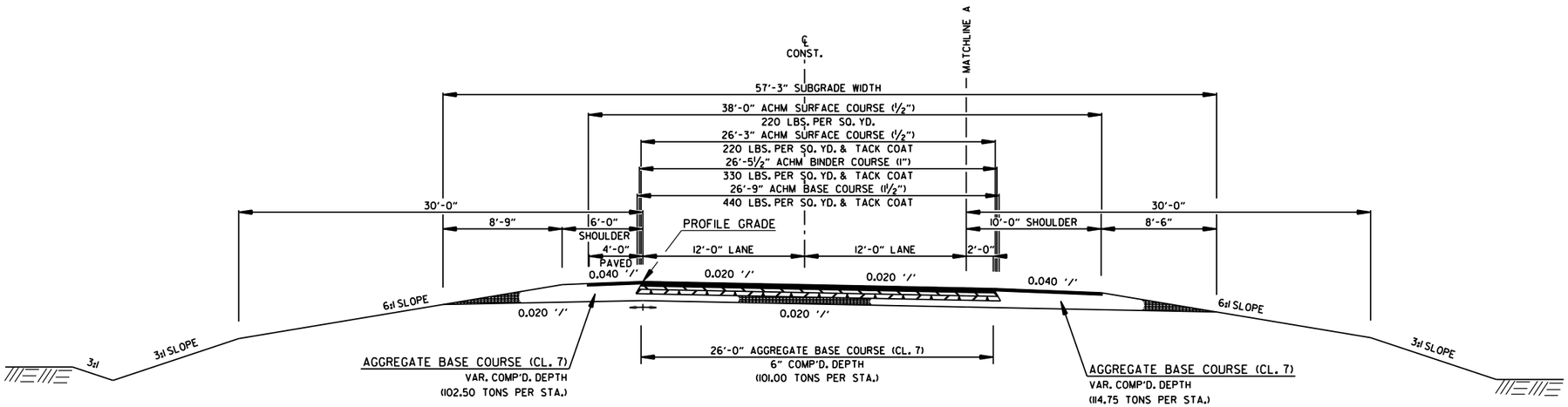


HWY. 71 - FULL DEPTH SECTION
SUPERELEVATION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 111+35.00 RT. - STA. 118+56.09 RT.
STA. 140+35.56 LT. - STA. 154+03.81 LT.

TYPICAL SECTIONS OF IMPROVEMENT

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	6	183
		TYPICAL SECTIONS OF IMPROVEMENT				

STATE OF ARKANSAS
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HWY. 71 - FULL DEPTH SECTION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 118+56.09 RT. - STA. 137+61.61 RT.
STA. 120+45.87 LT. - STA. 140+35.56 LT.
STA. 154+03.81 LT. - STA. 182+15.00 LT.
STA. 154+48.69 RT. - STA. 180+00.00 RT.

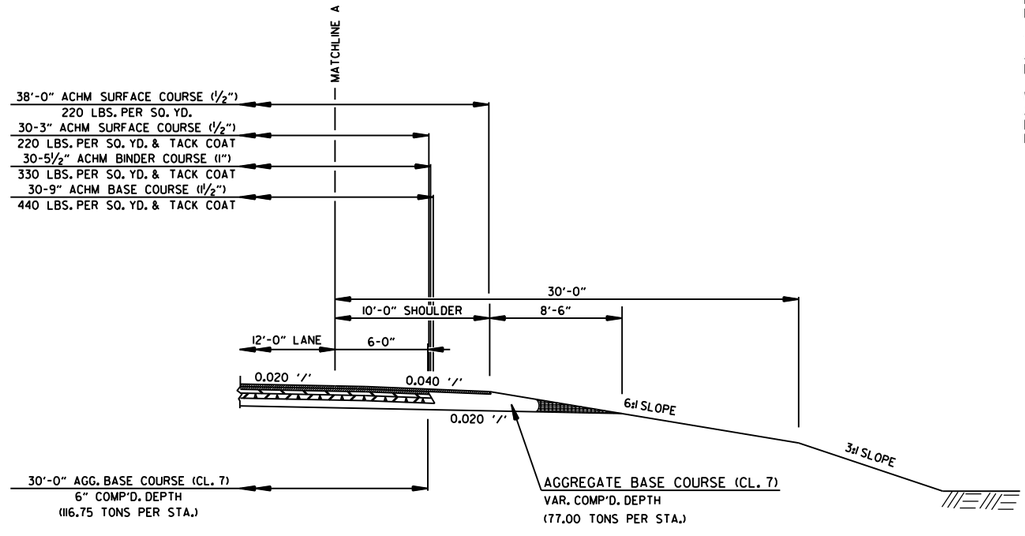
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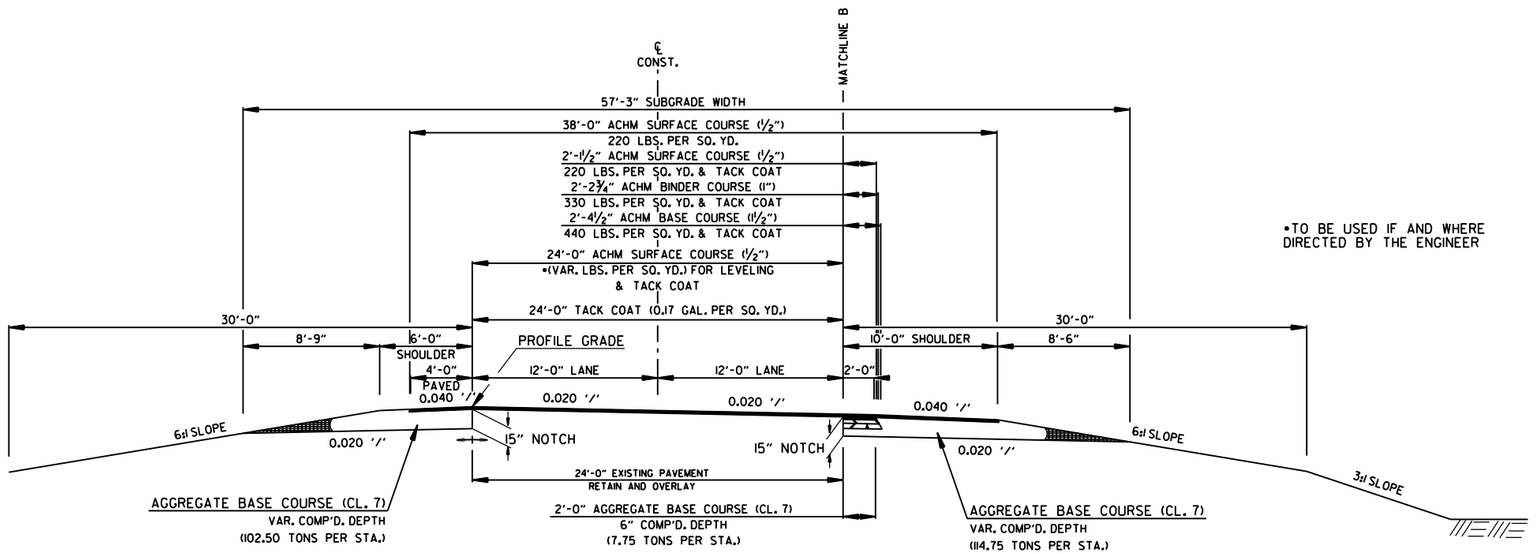
HWY. 71 - FULL DEPTH SECTION (FULL DEPTH SHOULDER)
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 180+00.00 RT. - STA. 182+40.00 RT.

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TYPICAL SECTIONS OF IMPROVEMENT

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	7	183
		TYPICAL SECTIONS OF IMPROVEMENT				

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DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



HWY. 71 - NOTCH, WIDEN, & OVERLAY SECTION
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 182+15.00 LT. - STA. 184+00.00 LT.

•TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

NOTES:

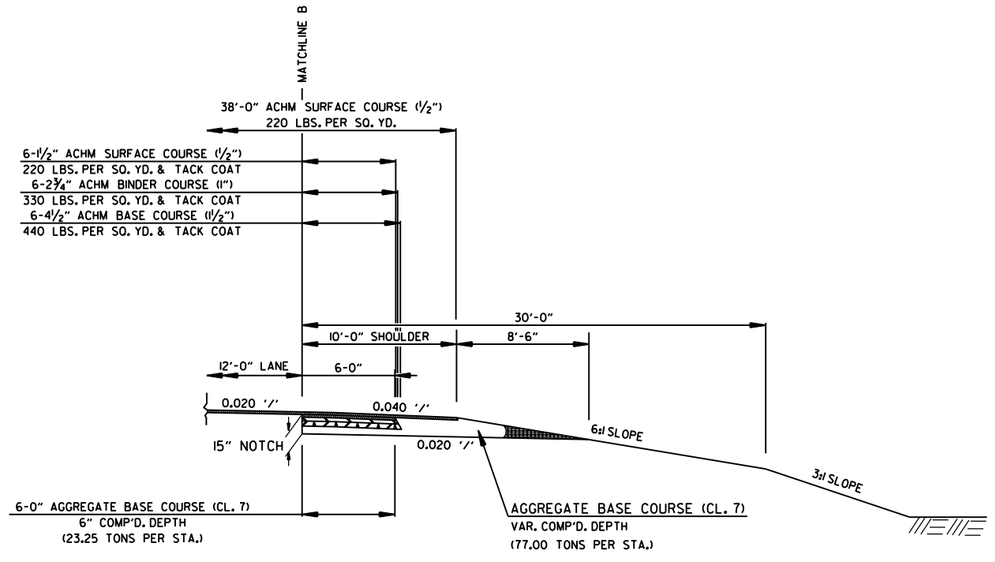
REFER TO CROSS SECTIONS FOR DEVIATION FROM THE NORMAL SLOPES. NO CHANGES SHALL BE MADE FROM THE PLANNED SLOPES WITHOUT THE APPROVAL OF THE ENGINEER.

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.

ASPHALT FOR LEVELING OF EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND 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.

WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE, AT NO ADDITIONAL COST TO THE DEPARTMENT, THE FIRST LIFT OF ACHM SURFACE COURSE (1/2") IN LIEU OF AGGREGATE BASE COURSE ON THE SHOULDERS.



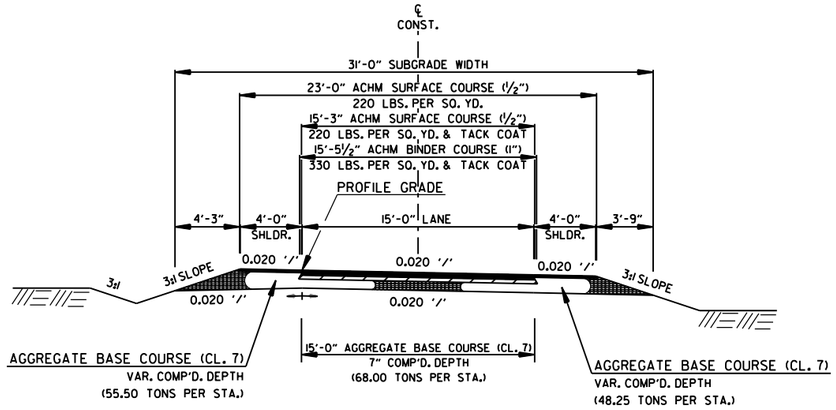
HWY. 71 - NOTCH, WIDEN, & OVERLAY SECTION (FULL DEPTH SHOULDER)
(SHOWN IN DIRECTION OF TRAFFIC)
STA. 182+40.00 RT. - STA. 184+00.00 RT.

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

TYPICAL SECTIONS OF IMPROVEMENT

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	8	183
		TYPICAL SECTIONS OF IMPROVEMENT				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



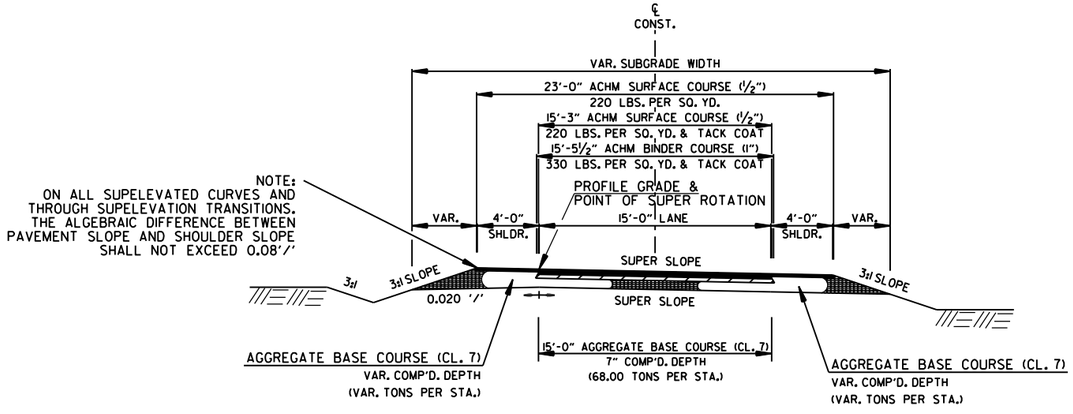
DETOURS 1, 2, & 4 - FULL DEPTH SECTION
STA. 1000+59.84 - STA. 1002+15.74
STA. 2000+00.00 - STA. 2006+05.45
STA. 4000+00.00 - STA. 4007+58.44

NOTES:

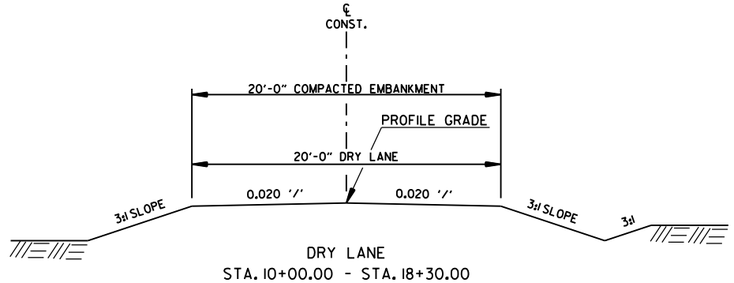
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THE THICKNESS OF AGGREGATE BASE COURSE SHALL BE WITHIN PLUS OR MINUS ONE INCH OF THE PLAN THICKNESS SHOWN. THE CONTRACTOR WILL CORRECT ANY DEFICIENT THICKNESS THAT DOES NOT MEET TOLERANCE INDICATED. PAYMENT WILL NOT BE MADE FOR MATERIAL PLACED IN EXCESS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

WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE, AT NO ADDITIONAL COST TO THE DEPARTMENT, THE FIRST LIFT OF ACHM SURFACE COURSE (1/2") IN LIEU OF AGGREGATE BASE COURSE ON THE SHOULDERS.



DETOURS 1& 3 - FULL DEPTH SECTION
SUPERELEVATION
STA. 1002+15.74 - STA. 1014+81.48
STA. 3000+28.10 - STA. 3014+43.09

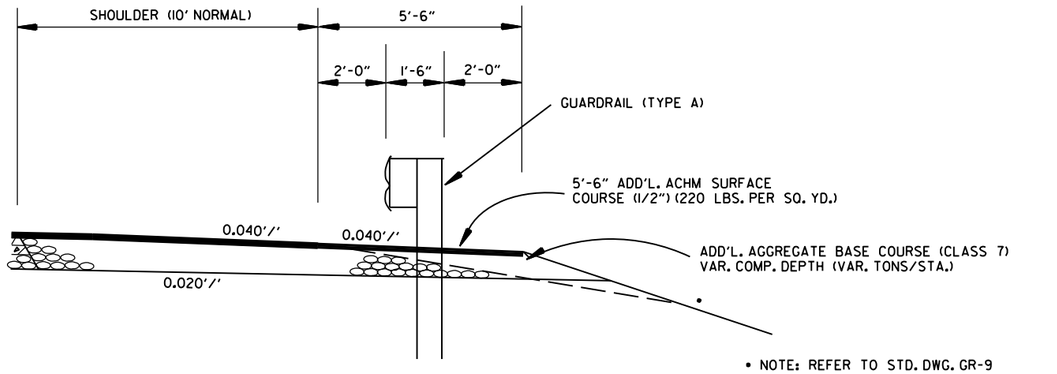


DRY LANE
STA. 10+00.00 - STA. 18+30.00

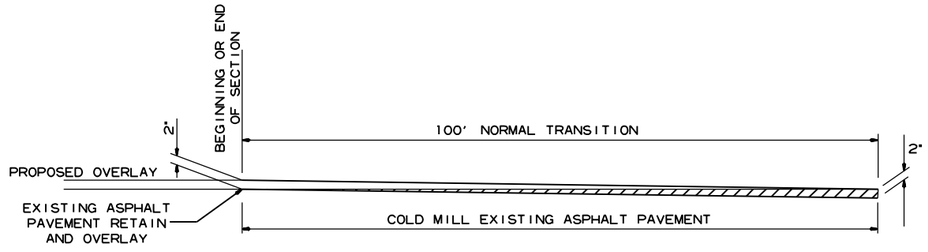
MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	9	183
		SPECIAL DETAILS				

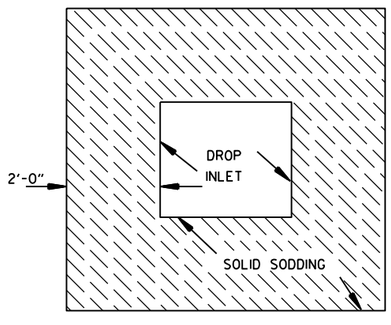
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
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DAVID WILLIAM BAKER, IV
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WIDENING FOR GUARDRAIL



DETAIL FOR TRANSITIONS

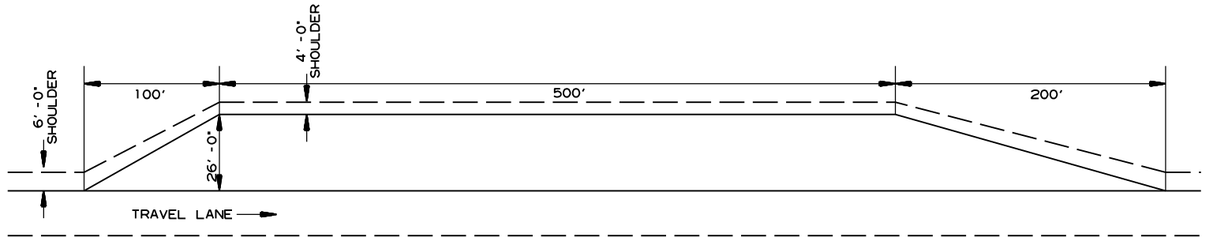


DETAIL FOR SOLID SODDING AROUND DROP INLETS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

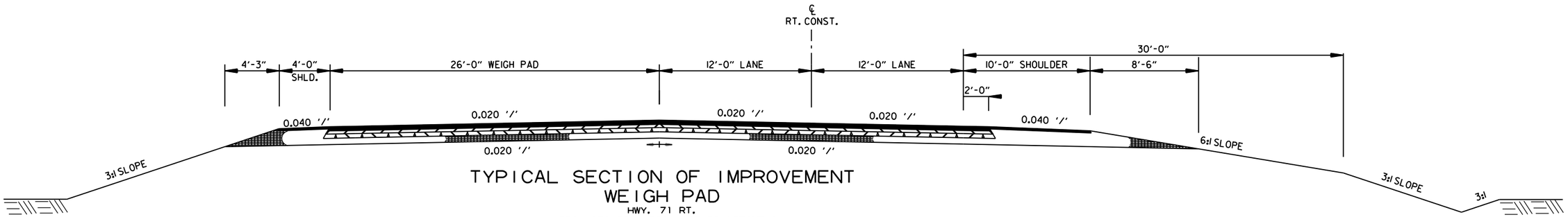
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	10	183
		SPECIAL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
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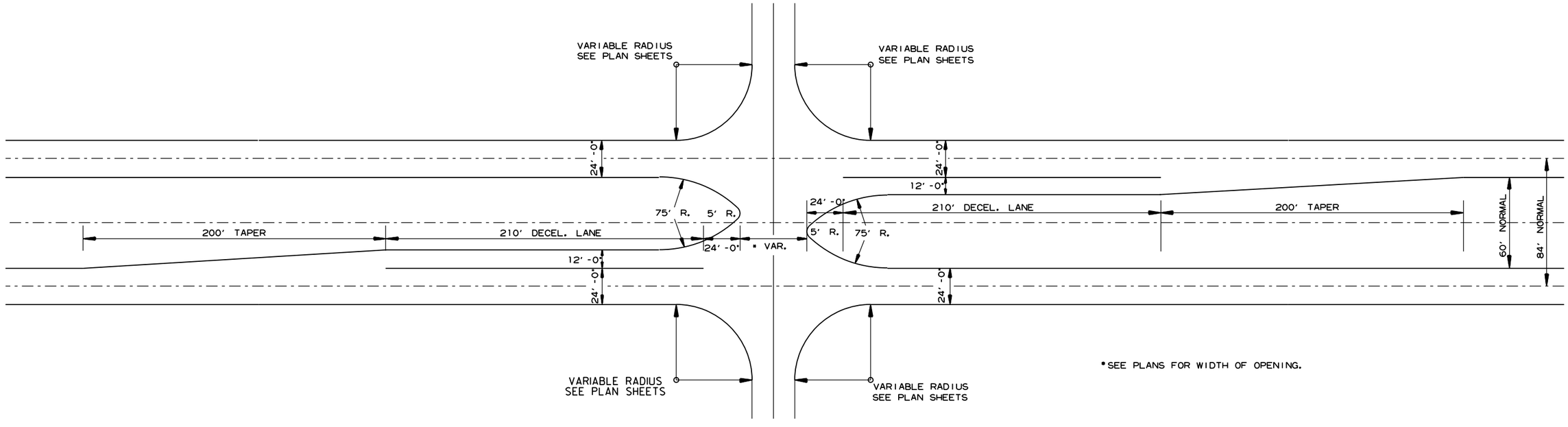
DETAIL OF WEIGH PAD

HWY. 71 RT.
STA. 121+00 - STA. 122+00 (TRANS.)
STA. 122+00 - STA. 127+00 (WEIGH PAD)
STA. 127+00 - STA. 129+00 (TRANS.)



TYPICAL SECTION OF IMPROVEMENT WEIGH PAD

HWY. 71 RT.
STA. 121+00 - STA. 122+00 (TRANS.)
STA. 122+00 - STA. 127+00 (WEIGH PAD)
STA. 127+00 - STA. 129+00 (TRANS.)



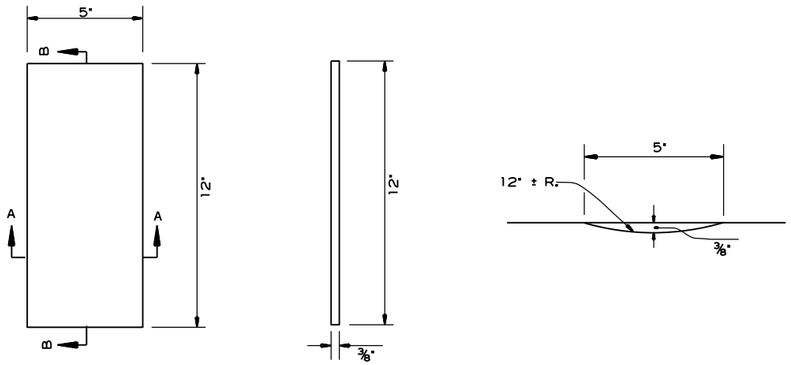
DETAIL OF ROADWAY CROSSING

SPECIAL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

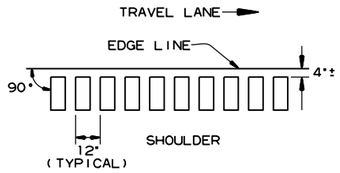
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	11	183
		SPECIAL DETAILS				

STATE OF ARKANSAS
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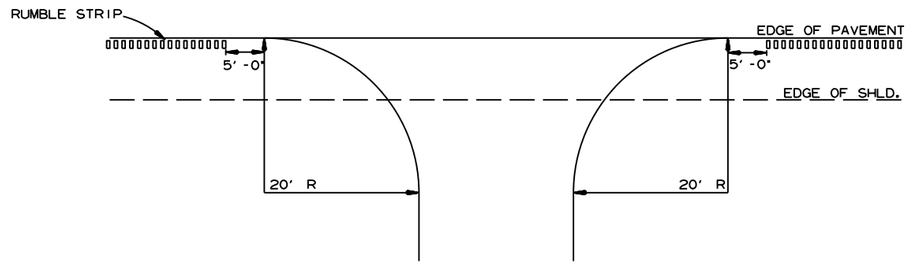


PLAN SECTION B-B SECTION A-A

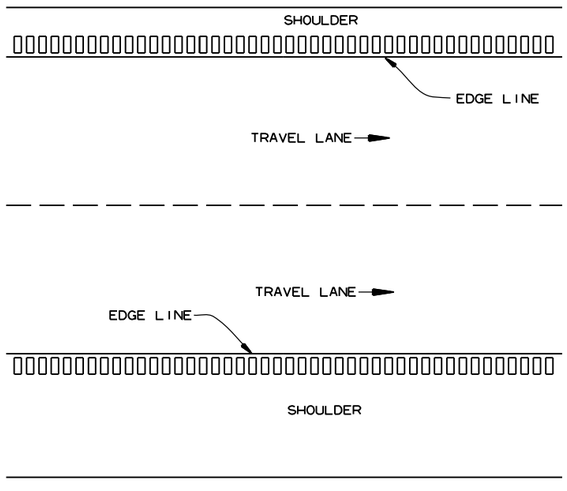
DETAILS OF RUMBLE STRIPS



LOCATION PLAN OF RUMBLE STRIPS LEFT OR RIGHT SHOULDER



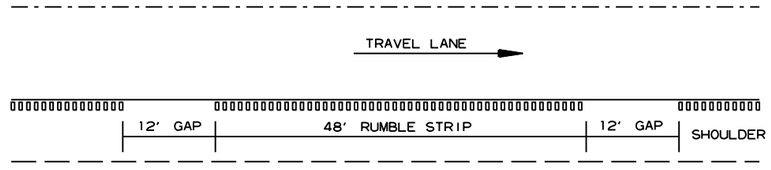
DETAIL FOR RUMBLE STRIP GAP AT DRIVEWAY TURNOUTS



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

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R030531.DGN

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		6	ARK.	030531	12	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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EXIST. R/W

P.I. 109+29.26

STA. 108+20.00
BEGIN HWY. 71 LT.

P.O.B. 100+00.00
N 8°36' 13" E

P.C. 100+44.48

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

N 34°41' 13" E

BEGIN EXIST. C/A
+57.68
272.68

P.I. 111+12.07
N 34°15' 59" E

P.O.B. 100+00.00
N 5°53' 43" E

P.C. 105+32.76

P.I. 112+71.35
N 33°50' 13" E

P.O.B. 100+00.00
N 3°11' 13" E

EXIST. R/W

+44.77
270.09

PROP. R/W

P.C. 109+72.28

+20.00
210.00

BEGIN PROP. C/A
+50.00

PROP. R/W & C/A

+20.00
190.00

+36.00
END C/A

+86.00
BEGIN C/A

+47.04
196.00

P.T.
+15.56.09

+87.00
END C/A

+37.00
BEGIN C/A

STA. 106+72.28
BEGIN HWY. 71 RT.

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

NOTE: PERIMETER CONTROLS SHALL BE PLACED AS CLEARING AND GRUBBING OPERATIONS ARE STARTED.
RETAIN ALL EROSION CONTROL DEVICES UNTIL END OF CONSTRUCTION UNLESS OTHERWISE NOTED.

REVISION BOX

DATE OF REVISION	REVISION

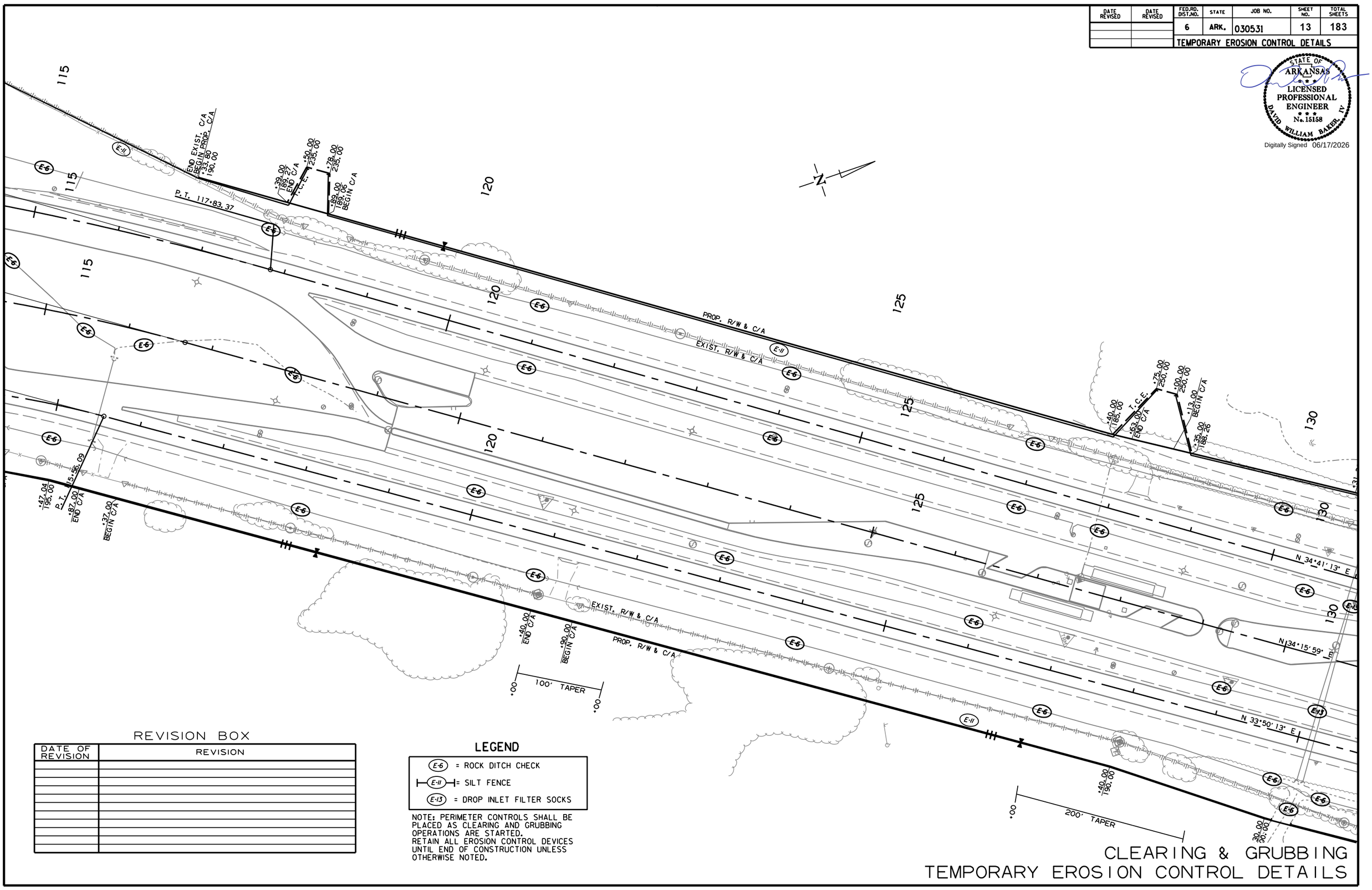
CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	13	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

NOTE: PERIMETER CONTROLS SHALL BE PLACED AS CLEARING AND GRUBBING OPERATIONS ARE STARTED. RETAIN ALL EROSION CONTROL DEVICES UNTIL END OF CONSTRUCTION UNLESS OTHERWISE NOTED.

CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	14	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

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N

130 +31.36 195.00

N 34°41' 13" E

130 +83.00 180.00 END C/A

130 +95.00 200.00 P.C.

135 +20.00 200.00

135 +33.98 181.98 BEGIN C/A

135 +64.27 190.00

N 34°15' 59" E

135

140

PROP. R/W & C/A

EXIST. R/W & C/A

140 +35.56 P.C.

140 +00.00 160.00

145

N 33°50' 13" E

140 +20.00 200.00

PROP. R/W & C/A

140

P.C. 141+93.38

P.C. 140+61.61

145

EXIST. R/W & C/A

140 +40.00 186.59

139 +59.00 END C/A

139 +19.00 BEGIN C/A

T.C.E.

139 +47.63 185.00

139 +80.00 255.00

139 +10.00 255.00

140 +40.00 200.00

140 +00.00 175.00

+77

200' TAPER

+77

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

E-6 = ROCK DITCH CHECK

E-11 = SILT FENCE

E-13 = DROP INLET FILTER SOCKS

NOTE: PERIMETER CONTROLS SHALL BE PLACED AS CLEARING AND GRUBBING OPERATIONS ARE STARTED. RETAIN ALL EROSION CONTROL DEVICES UNTIL END OF CONSTRUCTION UNLESS OTHERWISE NOTED.

CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

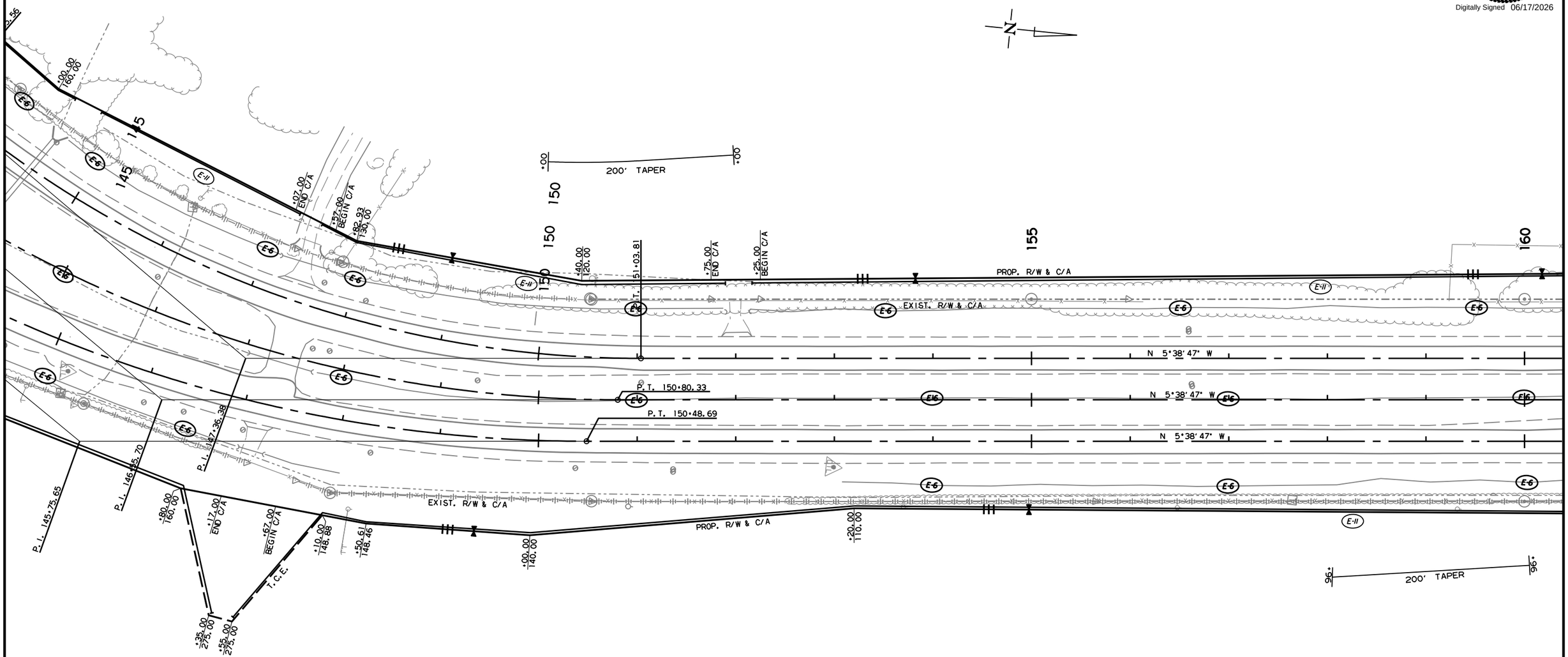
MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	15	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

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REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

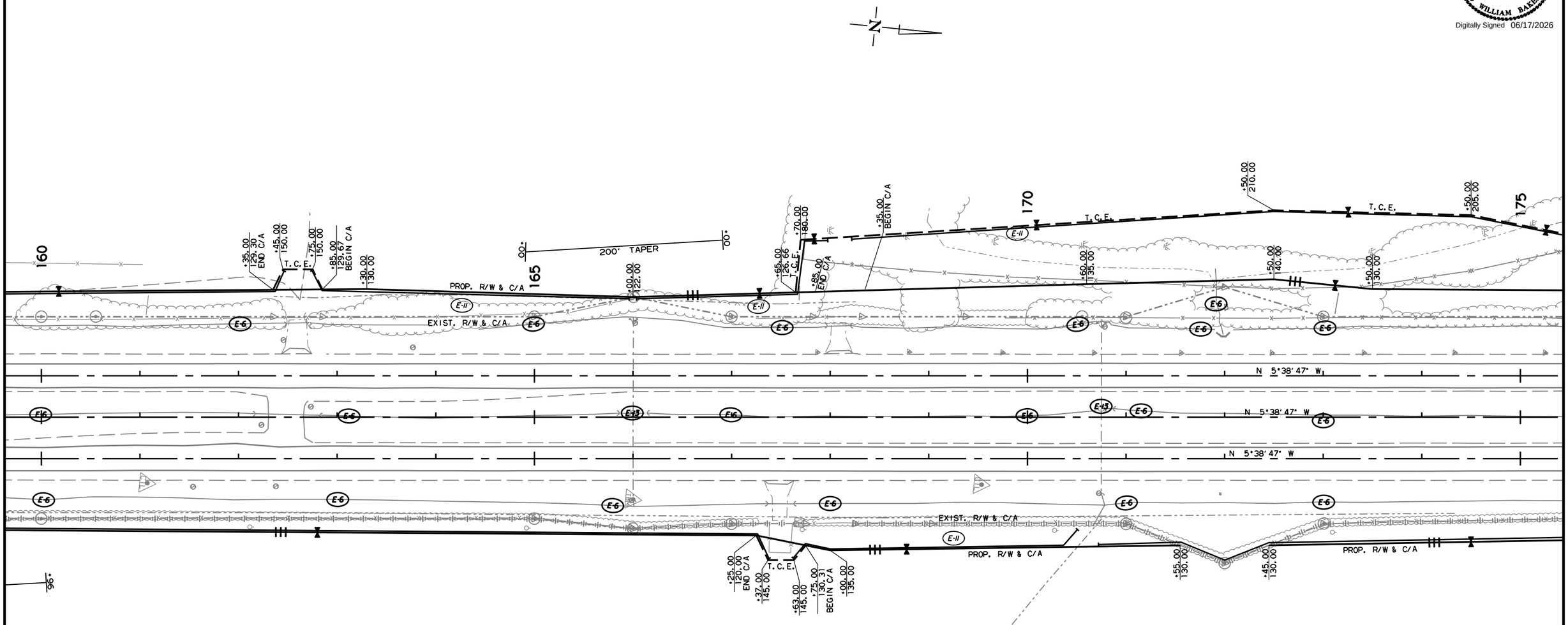
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CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	16	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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REVISION BOX

DATE OF REVISION	REVISION

LEGEND

E-6 = ROCK DITCH CHECK
E-11 = SILT FENCE
E-13 = DROP INLET FILTER SOCKS

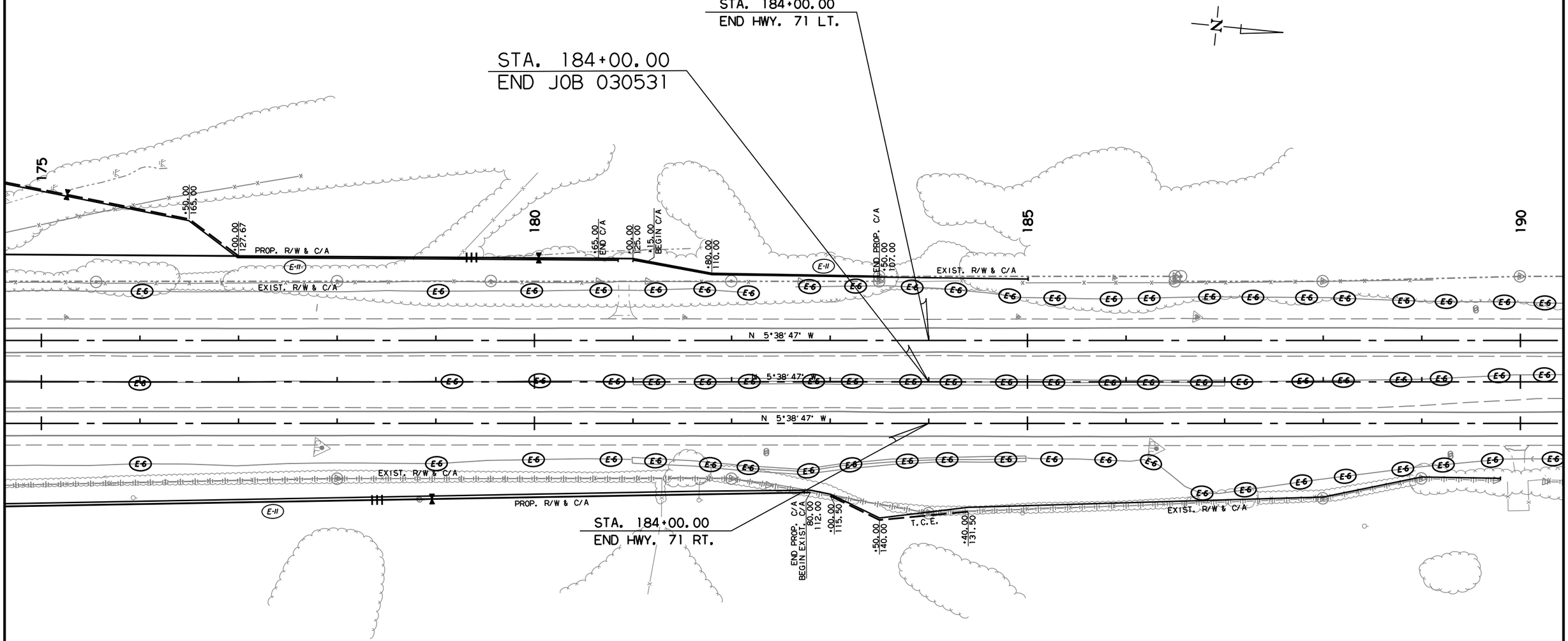
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CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

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R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	17	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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LEGEND

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- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

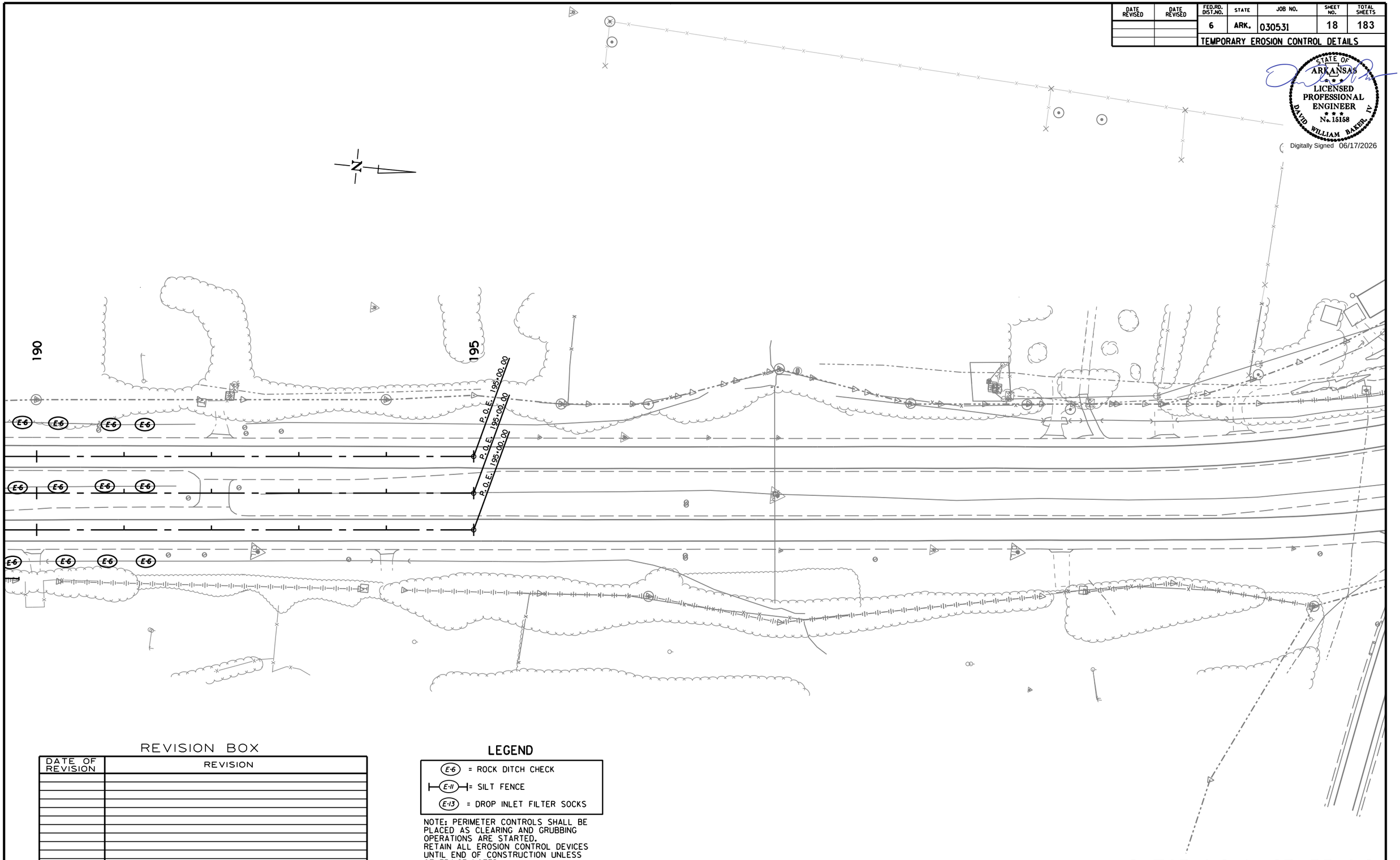
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CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026 MicroStation v8.11.9.578
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	18	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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CLEARING & GRUBBING
TEMPORARY EROSION CONTROL DETAILS

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	19	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
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STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

P.O.B. 100+00.00
N 8°36' 13" E
P.C. 100+44.48
N 5°53' 43" E
P.C. 105+32.76
N 3°11' 13" E
P.O.B. 100+00.00
N 3°11' 13" E
P.O.B. 100+00.00
N 3°11' 13" E
P.I. 109+29.26
N 34°41' 13" E
P.I. 111+12.07
N 34°15' 59" E
N 2°32' 07" W
P.I. 112+71.33
N 33°50' 13" E
P.C. 1000+00.00
P.T. 1001+80.74
P.I. 1000+95.45
P.C. 102+40.74
P.C. 109+72.28
P.I. 1008+83.89
P.T. 115+56.09
EXIST. R/W
PROP. R/W
PROP. R/W & C/A
BEGIN EXIST. C/A 157.68 272.68
BEGIN PROP. C/A 20.00 210.00
50.00
20.00 190.00
36.00 END C/A
86.00 BEGIN C/A
47.04 196.00
87.00 END C/A
37.00 BEGIN C/A
44.77 270.09
30'
16'

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

REVISION BOX

DATE OF REVISION	REVISION

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	20	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

TEMP. PAVEMENT WIDENING

OBLITERATION OF WEIGH STATION

END EXIST. C/A
BEGIN PROP. C/A
+33.80
190.00

1010

P.T. 1008+83.89

P.T. 117+83.37

+39.00
185.27
END C/A

T.C.E.

+50.00
235.00

+78.00
235.00

+89.00
189.06
BEGIN C/A

PROP. R/W & C/A

EXIST. R/W & C/A

N 34°41'13" E

P.T. 101+41.48

+40.00
185.00

T.C.E.

+75.00
250.00

+90.00
250.00

+13.00
188.26
BEGIN C/A

+63.00
END C/A

+35.00

+47.04
195.00

P.T.

+87.00
END C/A

+37.00
BEGIN C/A

+40.00
END C/A

+90.00
BEGIN C/A

EXIST. R/W & C/A

PROP. R/W & C/A

100' TAPER

+00

+00

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

+40.00
190.00

200' TAPER

+00

+30.00
30.00

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

E-6 = ROCK DITCH CHECK

E-11 = SILT FENCE

E-13 = DROP INLET FILTER SOCKS

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	21	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF WEIGH STATION

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

PROP. R/W & C/A

EXIST. R/W & C/A

P.C. 141+93.38

P.C. 140+61.61

P.C. 148+35.56

200' TAPER

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

E-6 = ROCK DITCH CHECK

E-11 = SILT FENCE

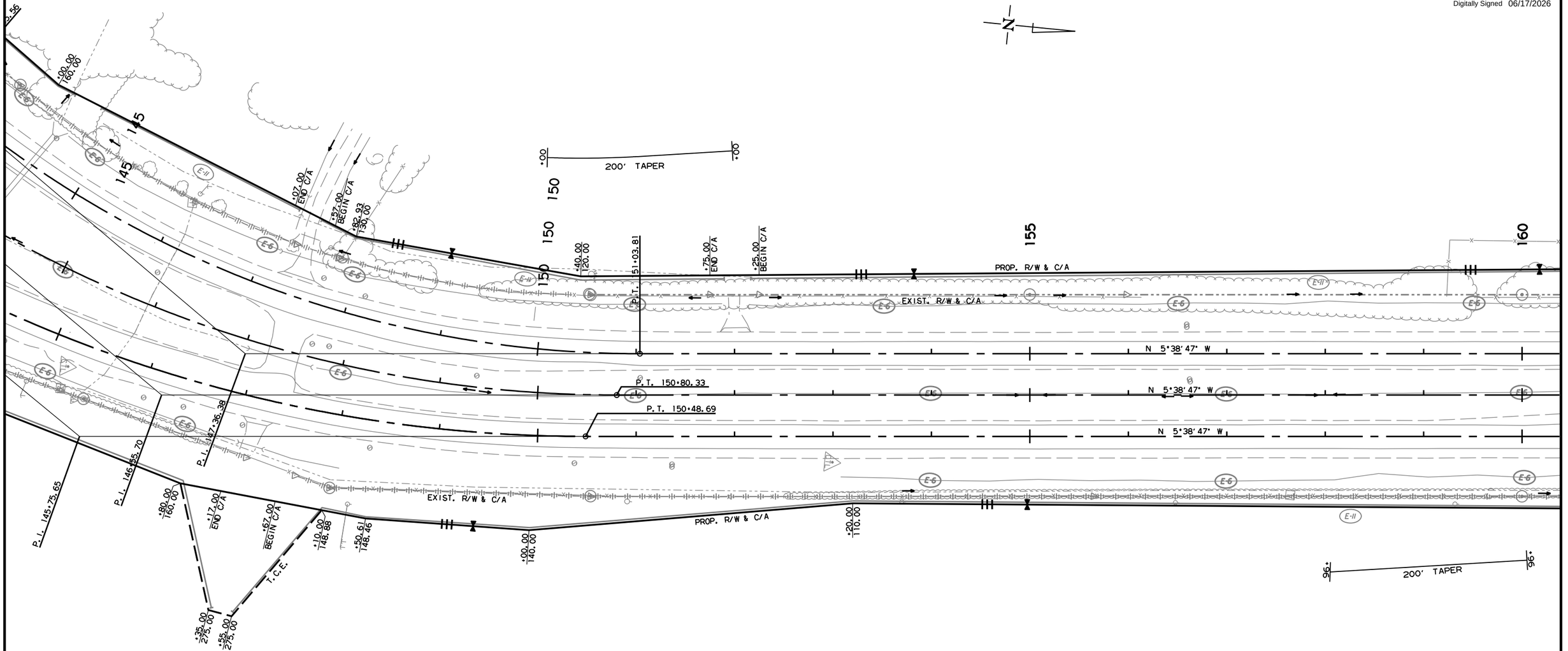
E-13 = DROP INLET FILTER SOCKS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	22	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

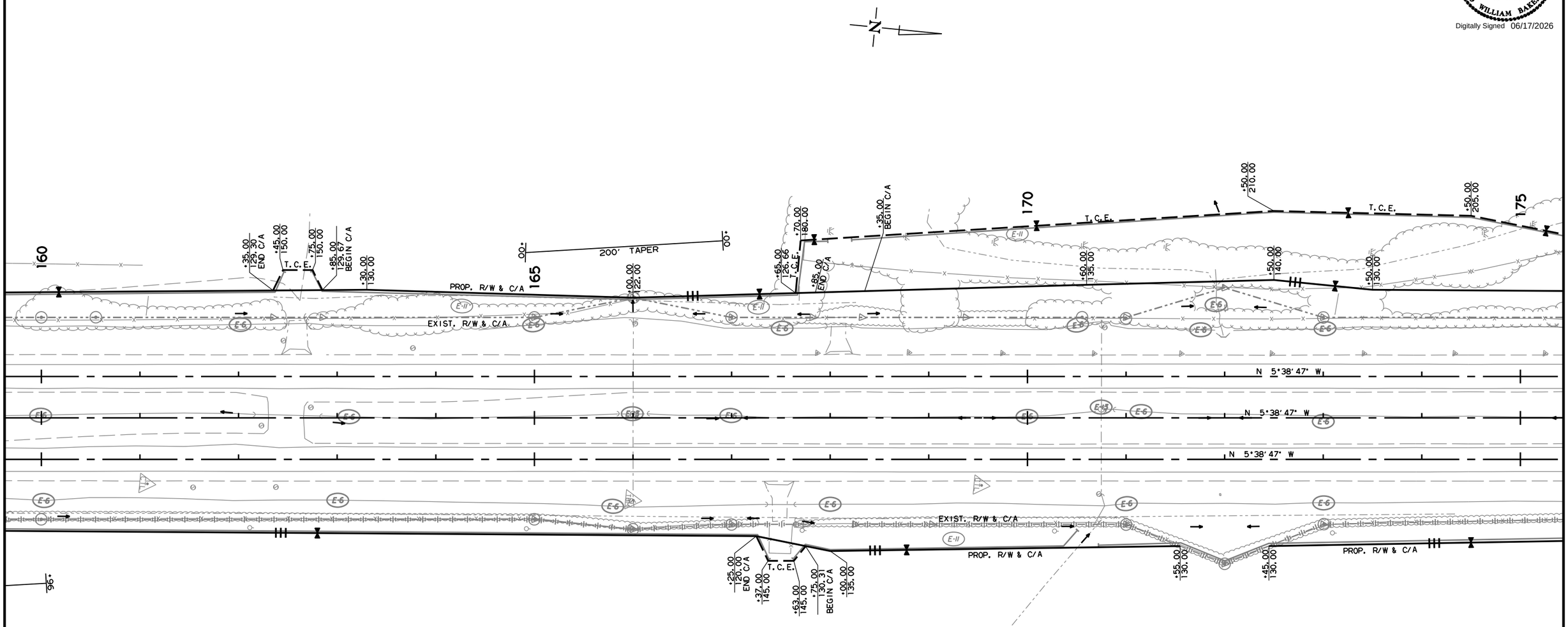
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	23	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

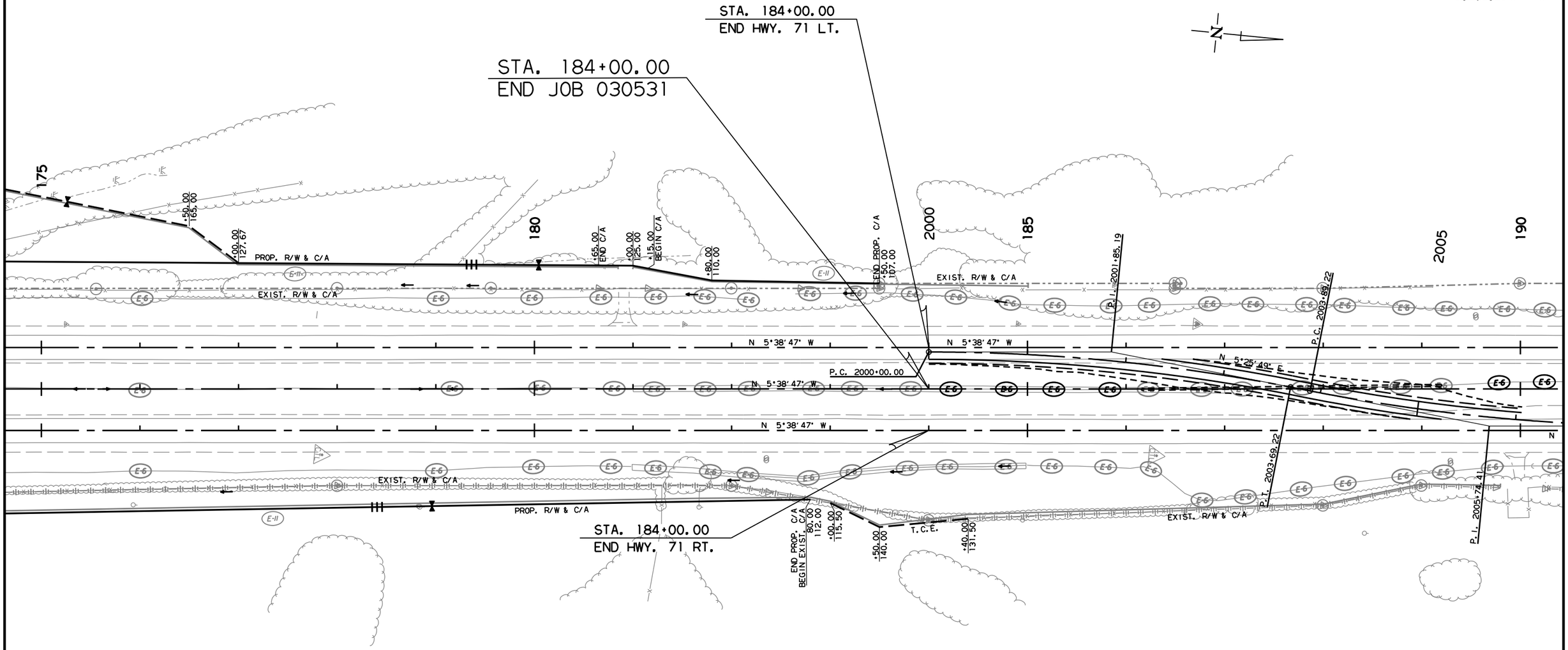
STAGE 1
TEMPORARY EROSION CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	24	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

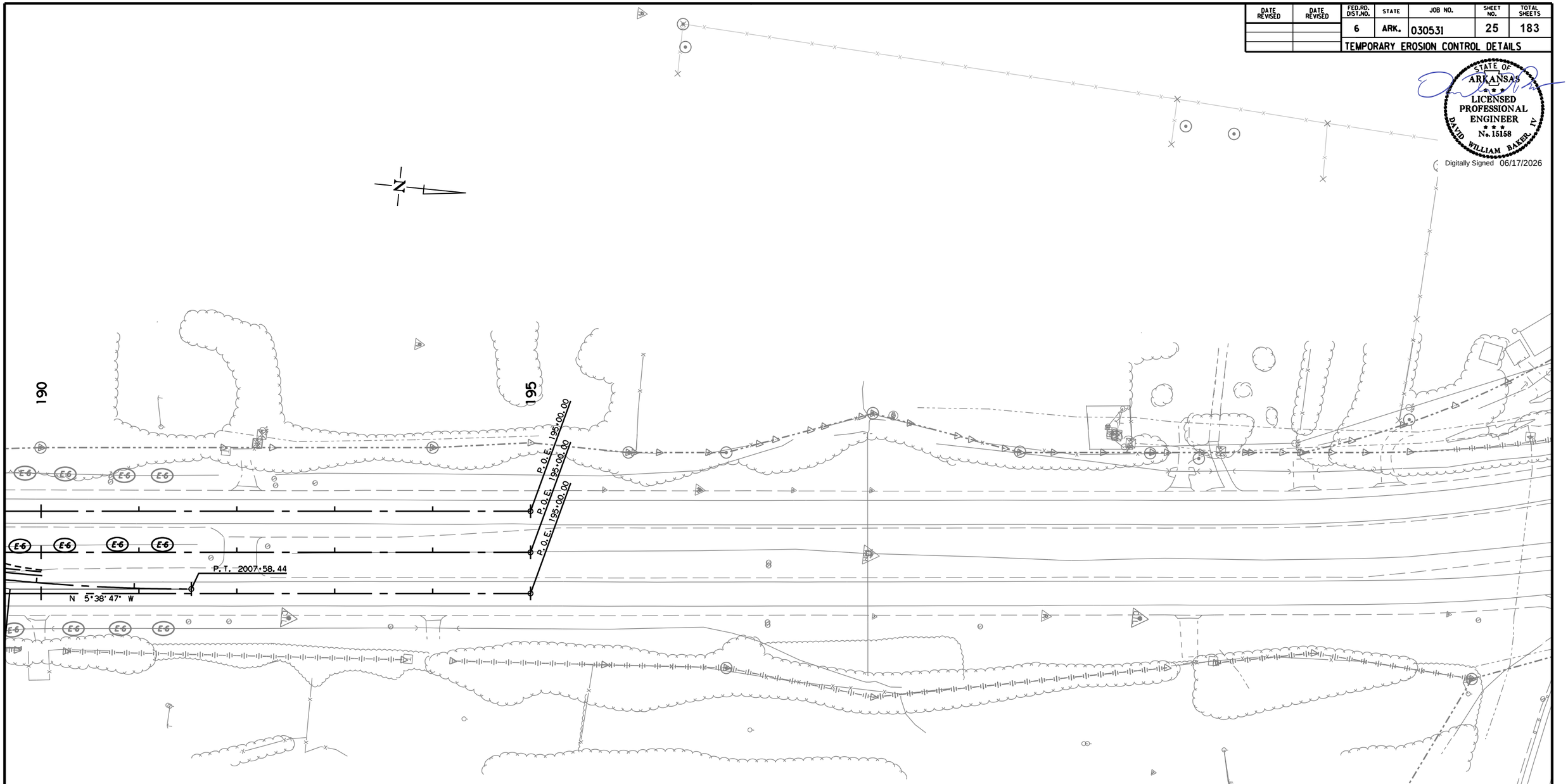
- (E-6) = ROCK DITCH CHECK
- (E-11) = SILT FENCE
- (E-13) = DROP INLET FILTER SOCKS

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	25	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 1
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	26	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 106+72.28
BEGIN HWY. 71 RT.

EXIST. R/W
P.O.B. 100+00.00
N 8°36'13" E
P.C. 100+44.48
N 5°53'43" E
P.C. 105+32.76
100' TRANSITION
72.28
N 3°11'13" E
EXIST. R/W
P.O.B. 100+00.00
P.I. 109+29.26
N 34°41'13" E
BEGIN EXIST. C/A
+57.68
272.68
P.I. 111+12.07
N 34°15'59" E
P.I. 112+71.35
N 33°50'13" E
CONST. LIMITS
PROP. R/W & C/A
PROP. R/W
BEGIN PROP. C/A
+50.00
210.00
+20.00
190.00
+44.77
270.09
P.C. 109+72.28
+36.00
END C/A
+86.00
BEGIN C/A
+47.04
196.00
P.T.
+87.00
END C/A
+37.00
BEGIN C/A
+25.05
155.05
20'
100' TRANSITION
24'
36'
10'
6'
16'
30'
100
105
110
115

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

REVISION BOX

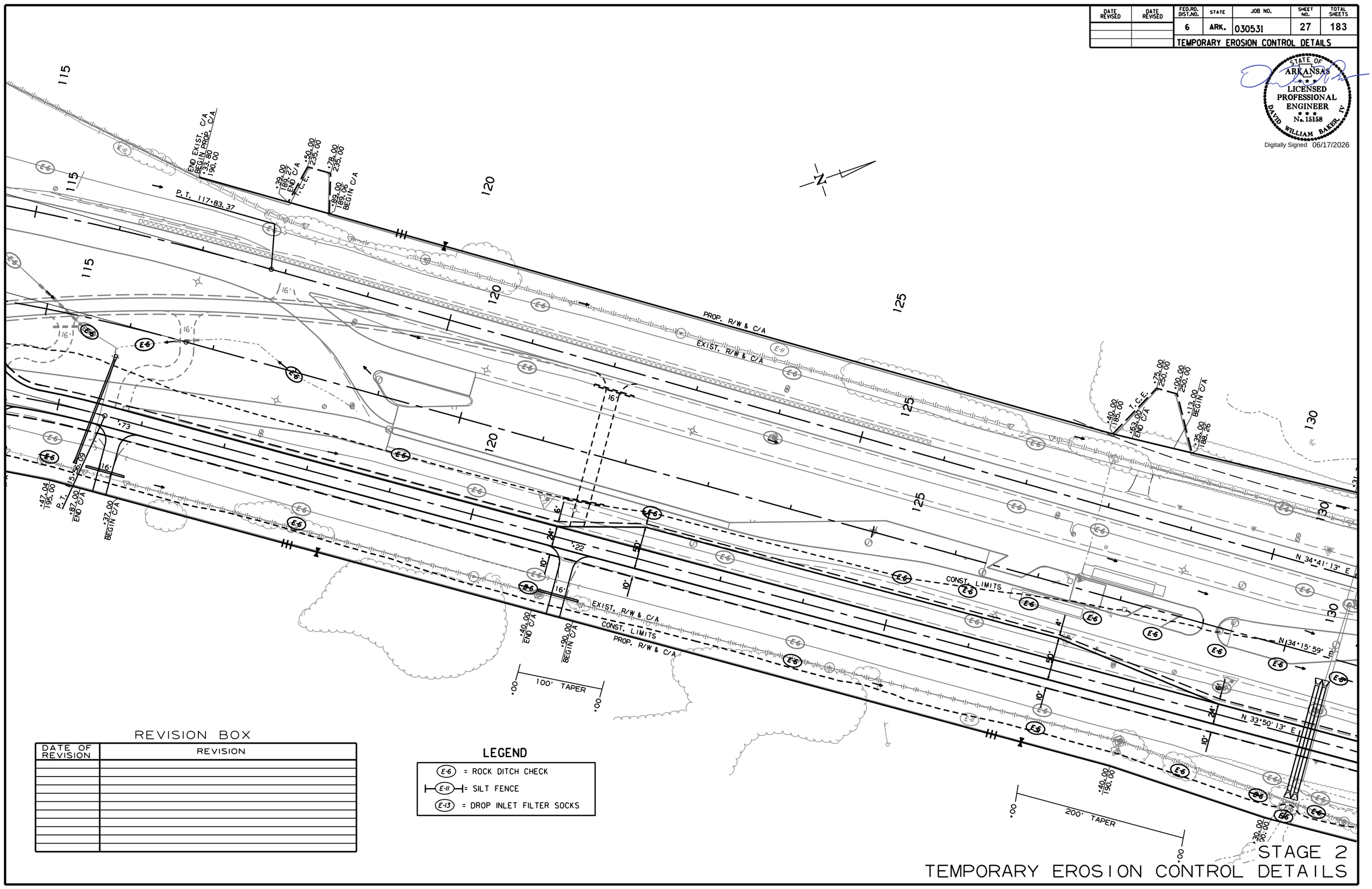
DATE OF REVISION	REVISION

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	27	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	28	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

N

130 135 140 145

N 34°41' 13" E

N 34°15' 59" E

N 33°50' 13" E

+31.36
195.00

+83.00
180.00
END C/A

+94.00
200.00
P.C.

+20.00
200.00

+33.98
181.98
BEGIN C/A

+64.27
190.00

PROP. R/W & C/A

EXIST. R/W & C/A

CONST. LIMITS

P.C. 141+93.38

P.C. 140+64.61

P.C. 148+35.56

+00.00
160.00

+30.00
200.00

+40.00
186.59

+59.00
END C/A

+19.00
BEGIN C/A

+47.63
185.00

+80.00
255.00

+10.00
255.00

+40.00
200.00

+00.00
175.00

+50

16'

20'

6'

24'

36'

10'

+77

200' TAPER

+77

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

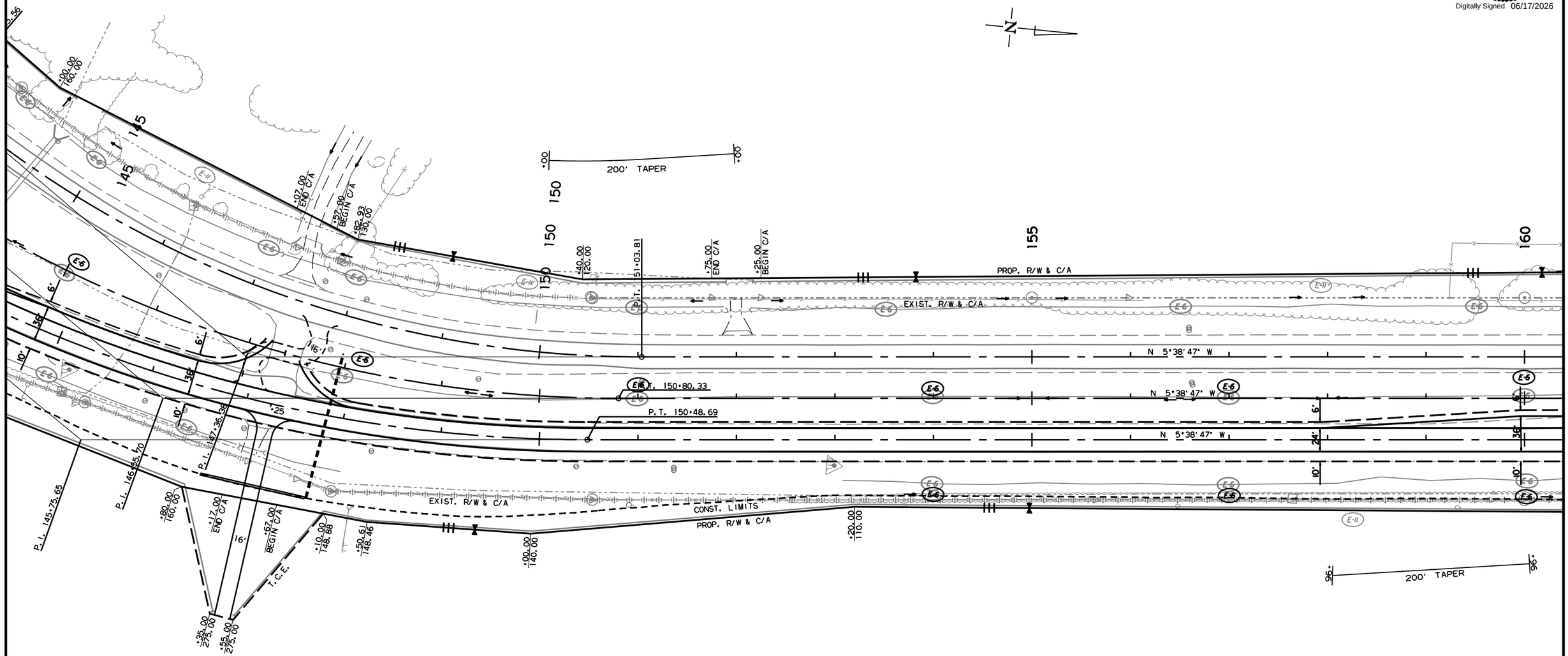
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	29	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

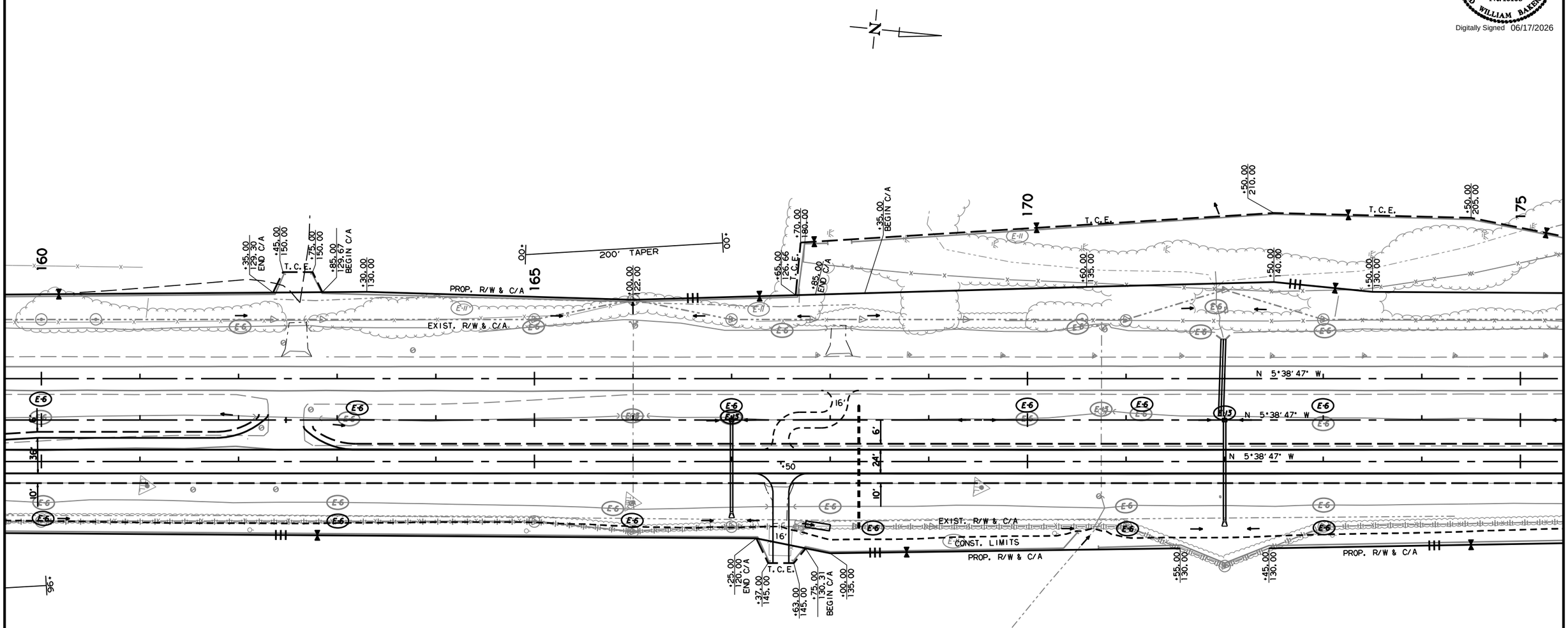
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	30	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

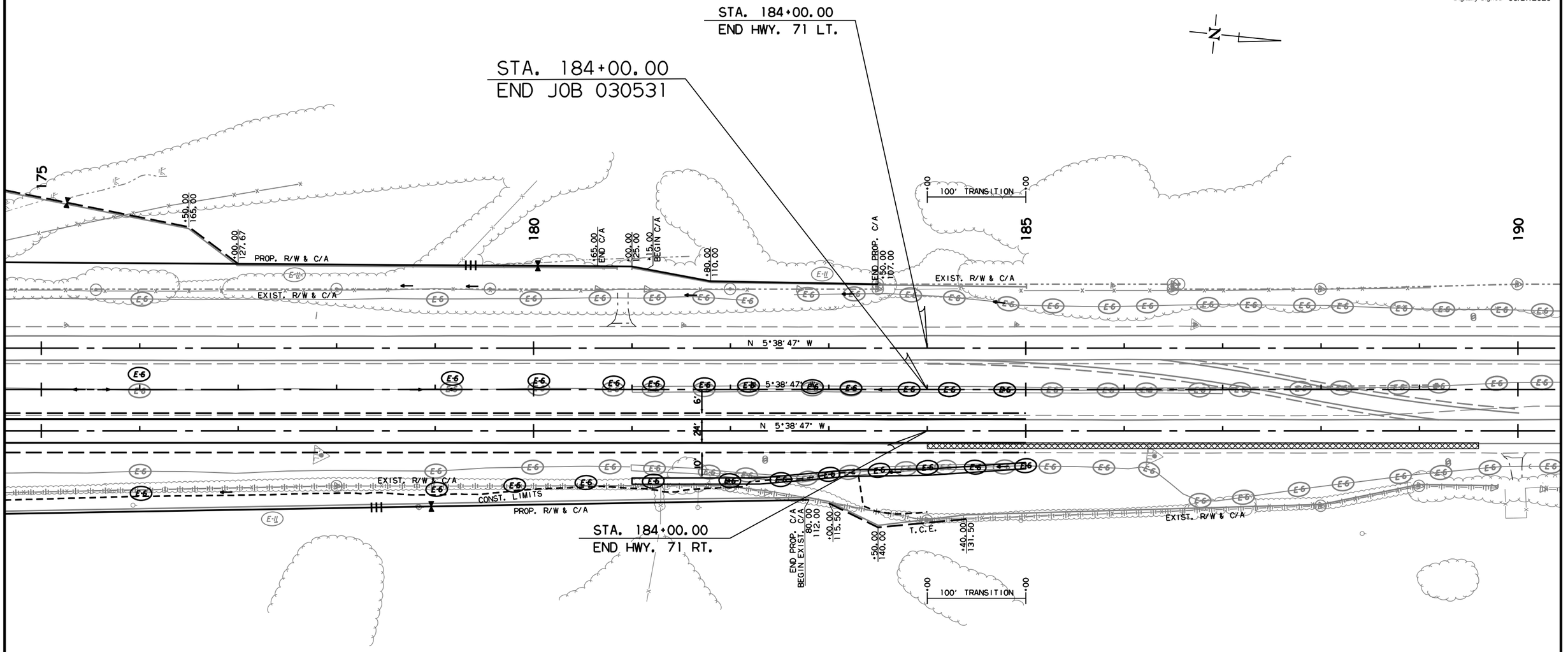
MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	31	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

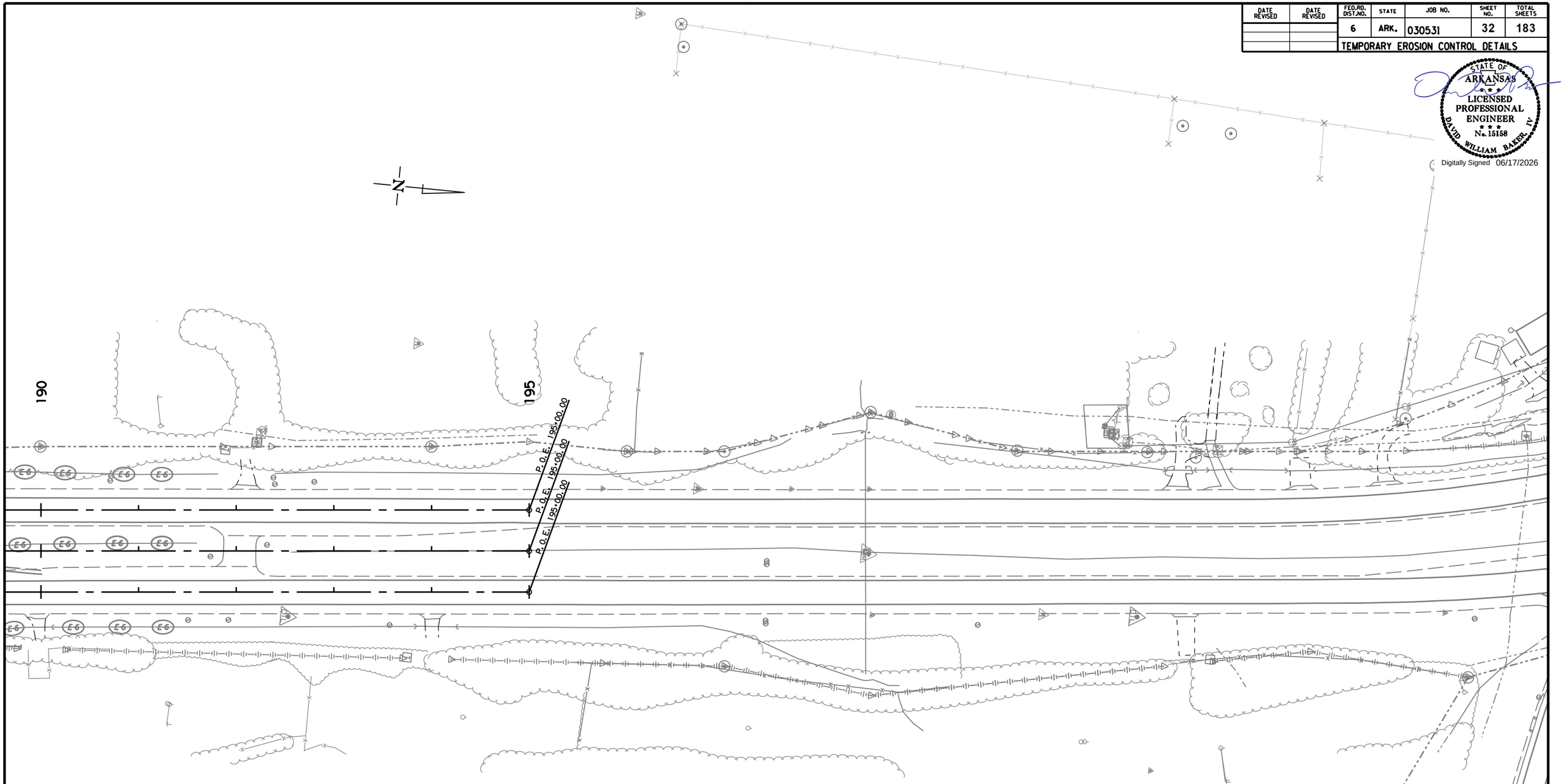
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	32	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 2
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	33	183
		TEMPORARY EROSION CONTROL DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 106+72.28
BEGIN HWY. 71 RT.

P.O.B. 100+00.00
N 8°36'13" E
P.C. 100+44.48
N 5°53'43" E
N 3°11'13" E
N 19°11'11" E
N 34°41'13" E
N 49°23'09" E
N 34°15'59" E
N 33°50'13" E
P.C. 105+32.76
P.C. 3000+00.00
P.I. 109+29.26
P.I. 3005+15.31
P.I. 111+12.07
P.I. 115+71.39
P.C. 109+72.28
P.T. 115+56.09
BEGIN EXIST. C/A 272.68
100' TRANSITION
72.28
EXIST. R/W
CONST. LIMITS
PROP. R/W
PROP. R/W & C/A
BEGIN PROP. C/A
144.77 270.09
120.00 210.00
50.00
120.00 190.00
136.00 END C/A
186.00 BEGIN C/A
147.04 195.00
187.00 END C/A
137.00 BEGIN C/A
3000
3005
100
105
110
115
E-6
E-11

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

REVISION BOX

DATE OF REVISION	REVISION

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	34	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT

115 115 120 120 125 125 130 130

END EXIST. C/A
BEGIN PROP. C/A
133.80
190.00

P.T. 117+83.37

39.00
185.27
END C/A

T.C.E.
50.00
235.00

78.00
235.00
89.06
BEGIN C/A

30'

16'

P.C. 3010+26.56

P.T. 3010+06.65

.73

47.04
195.00
P.T.
15+56.09
87.00
END C/A
37.00
BEGIN C/A

N 33°50' 13" E

P.I. 30+12.87.40

.22

P.I. 30+15.44.95

10'

EXIST. R/W & C/A

CONST. LIMITS

PROP. R/W & C/A

40.00
END C/A

90.00
BEGIN C/A

.00 100' TAPER .00

PROP. R/W & C/A

EXIST. R/W & C/A

CONST. LIMITS

N 34°41' 13" E

N 34°15' 59" E

N 33°50' 13" E

40.00
190.00

.00 200' TAPER .00

30.00
30.00

40.00
185.00

53.00
END C/A

T.C.E.
75.00
250.00

90.00
250.00
13.00
BEGIN C/A

35.00
188.26

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	35	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

N

N 34°41' 13" E
N 34°15' 59" E
N 33°50' 13" E

131.36
195.00
183.00
180.00 END C/A
95.00
200.00 P.C.
20.00
200.00
133.98
181.78 BEGIN C/A
64.27
190.00
30.00
200.00
P.C. 148+35.56
100.00
160.00
P.C. 141+93.38
P.C. 140+61.61
40.00
186.59
159.00 END C/A
20'
19.00 BEGIN C/A
P.I.
47.63
185.00
80.00
255.00
10.00
255.00
40.00
200.00
100.00
175.00
+77
200' TAPER
+77

PROP. R/W & C/A
EXIST. R/W & C/A
CONST. LIMITS
E-6 = ROCK DITCH CHECK
E-11 = SILT FENCE
E-13 = DROP INLET FILTER SOCKS

REVISION BOX

DATE OF REVISION	REVISION

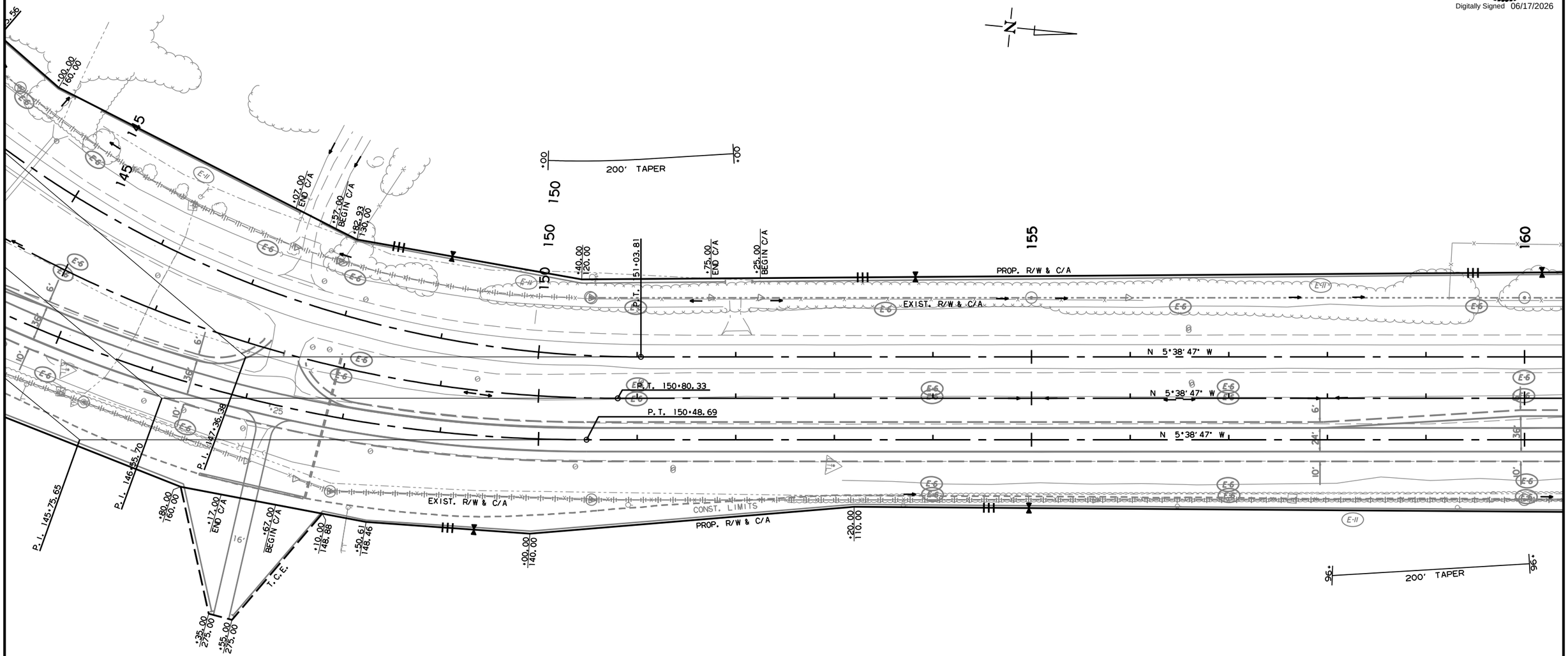
LEGEND

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	36	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

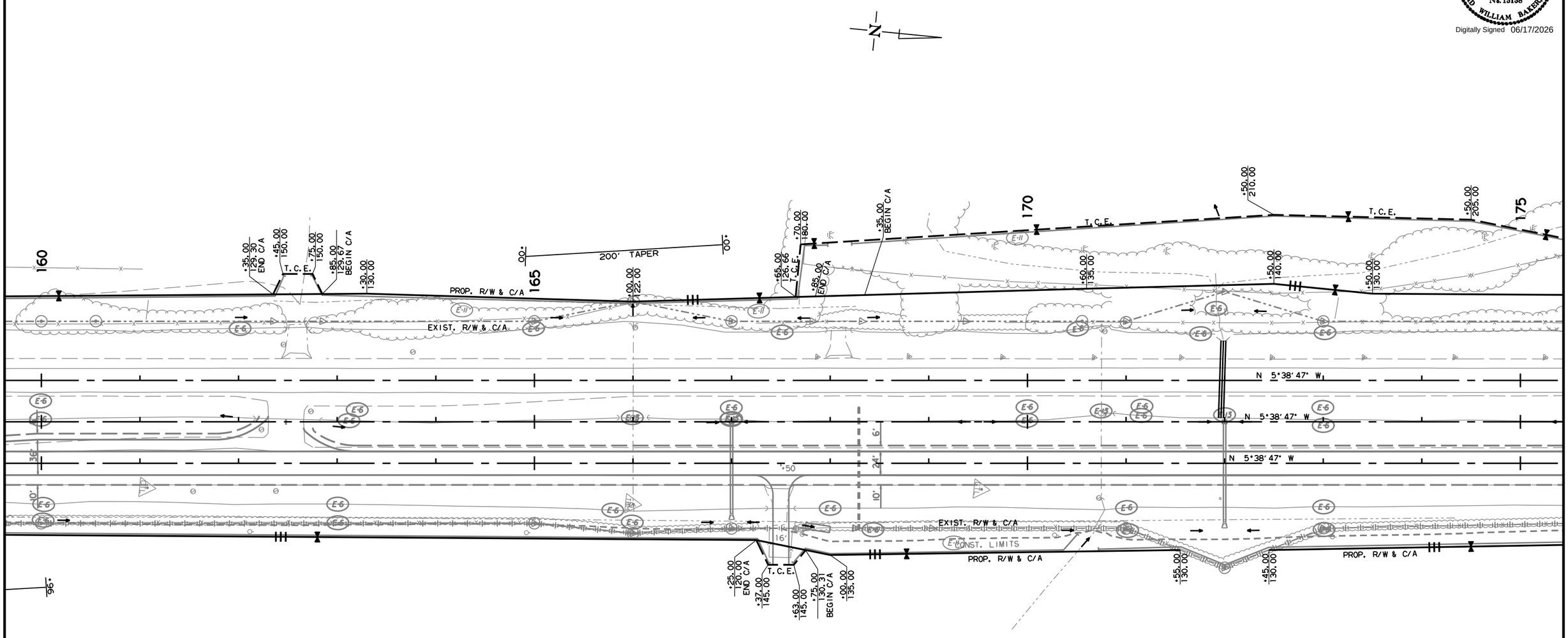
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	37	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	38	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

175 180 185 190 4000 4005

+50.00 165.00
+00.00 127.67
PROP. R/W & C/A
EXIST. R/W & C/A
+65.00 END C/A
+00.00 125.00
+15.00 BEGIN C/A
+80.00 110.00
END PROP. C/A
+50.00 107.00
100' TRANSITION
+00 +00
EXIST. R/W & C/A
P.I. 4005+74.41
P.T. 4003+69.22
N 16°43'23" W
N 5°38'47" W
P.C. 4000+00.00
N 5°38'47" W
60'
24'
N 5°38'47" W
EXIST. R/W & C/A
CONST. LIMITS
PROP. R/W & C/A
P.I. 4001+85.19
C. 4003+89.22
EXIST. R/W & C/A
STA. 184+00.00
END HWY. 71 RT.
END PROP. C/A
BEGIN EXIST. C/A
+80.00 112.00
+00.00 115.50
+50.00 140.00
T.C.E.
+40.00 131.50
+00 +00
100' TRANSITION

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

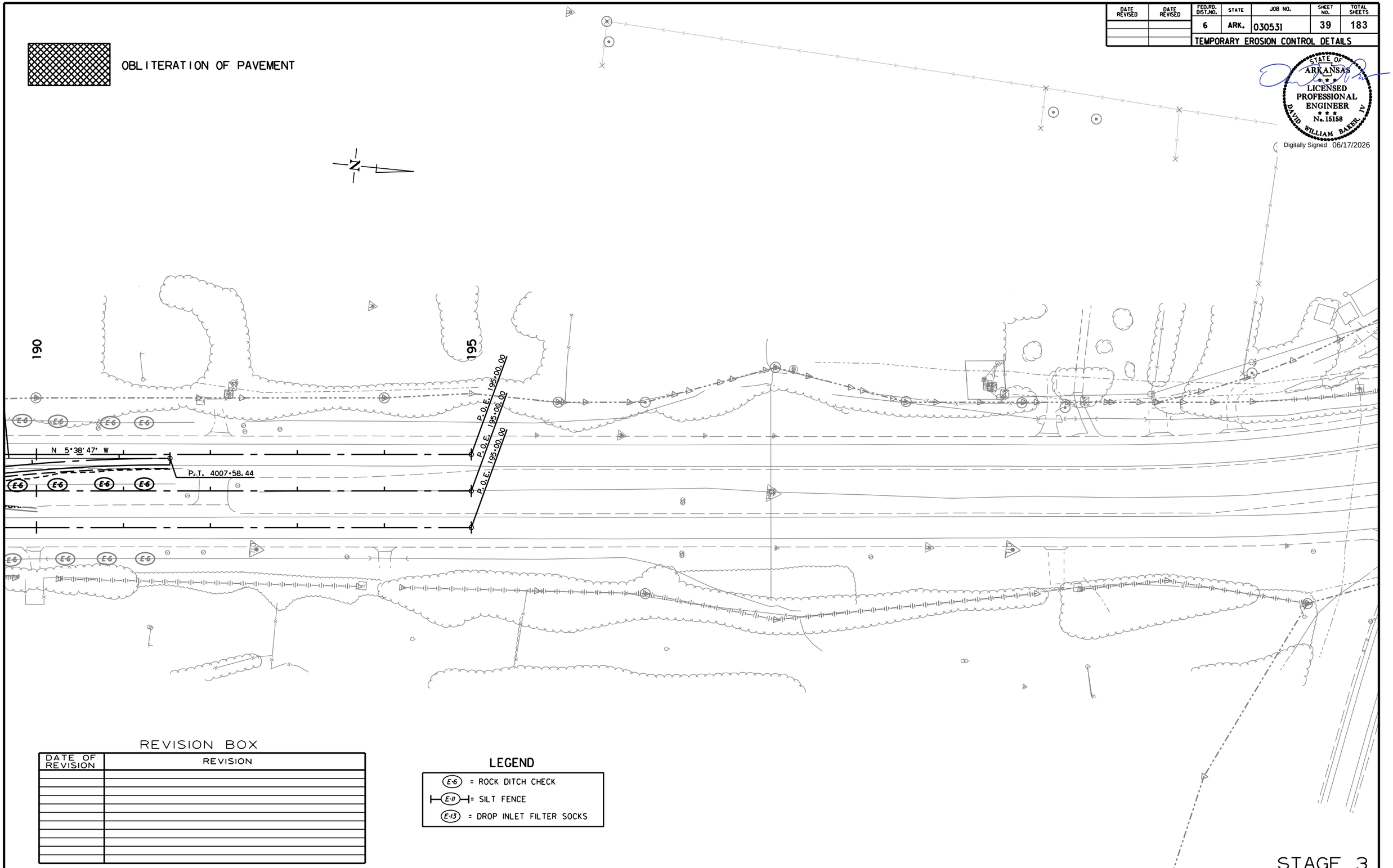
STAGE 3
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	39	183
		TEMPORARY EROSION CONTROL DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- (E-6) = ROCK DITCH CHECK
- (E-11) = SILT FENCE
- (E-13) = DROP INLET FILTER SOCKS

STAGE 3
TEMPORARY EROSION CONTROL DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	40	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 106+72.28
BEGIN HWY. 71 RT.

P.O.B. 100+00.00
N 8°36' 13" E
P.C. 100+44.48
N 5°53' 43" E
P.C. 105+32.76
100' TRANSITION
N 3°11' 13" E
EXIST. R/W
P.I. 109+29.26
N 34°41' 13" E
CONST. LIMITS
P.I. 111+12.07
N 34°15' 59" E
P.I. 112+71.35
N 33°50' 13" E
PROP. R/W
P.C. 109+72.28
PROP. R/W & C/A
BEGIN EXIST. C/A
BEGIN PROP. C/A
END C/A
BEGIN C/A
P.T.
RET. WALL

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

REVISION BOX

DATE OF REVISION	REVISION

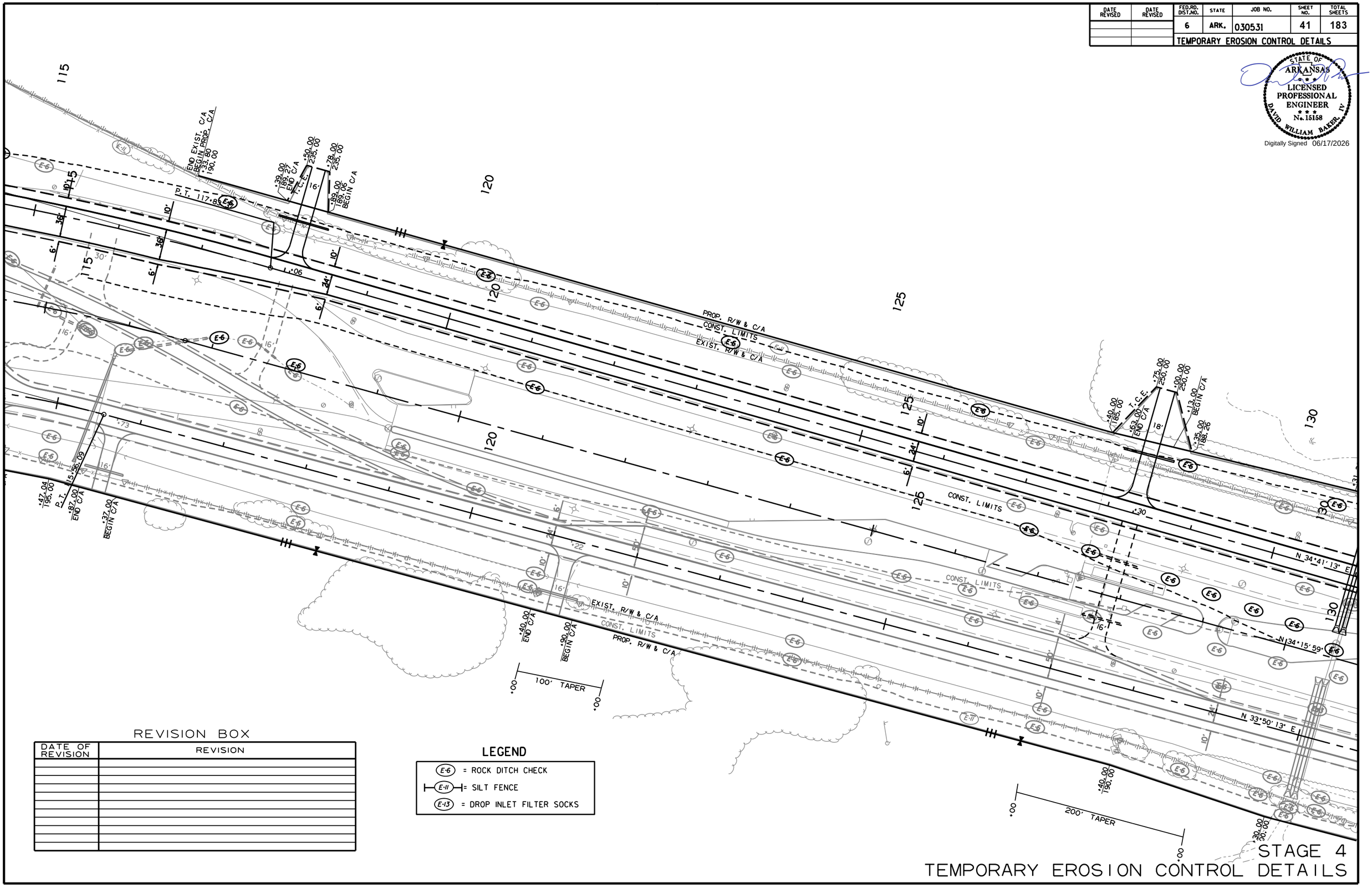
STAGE 4
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	41	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

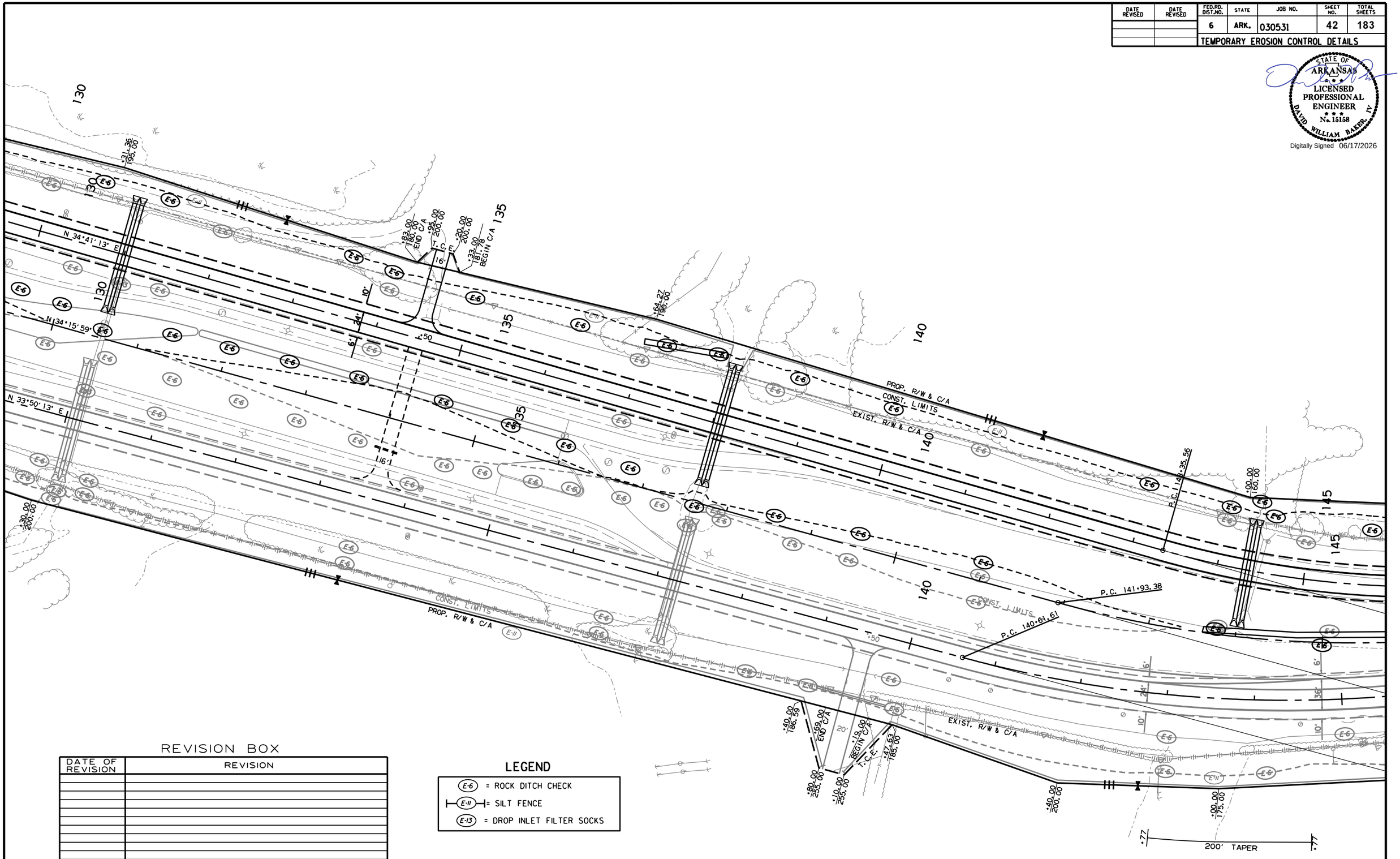
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 4
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	42	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 4
TEMPORARY EROSION CONTROL DETAILS

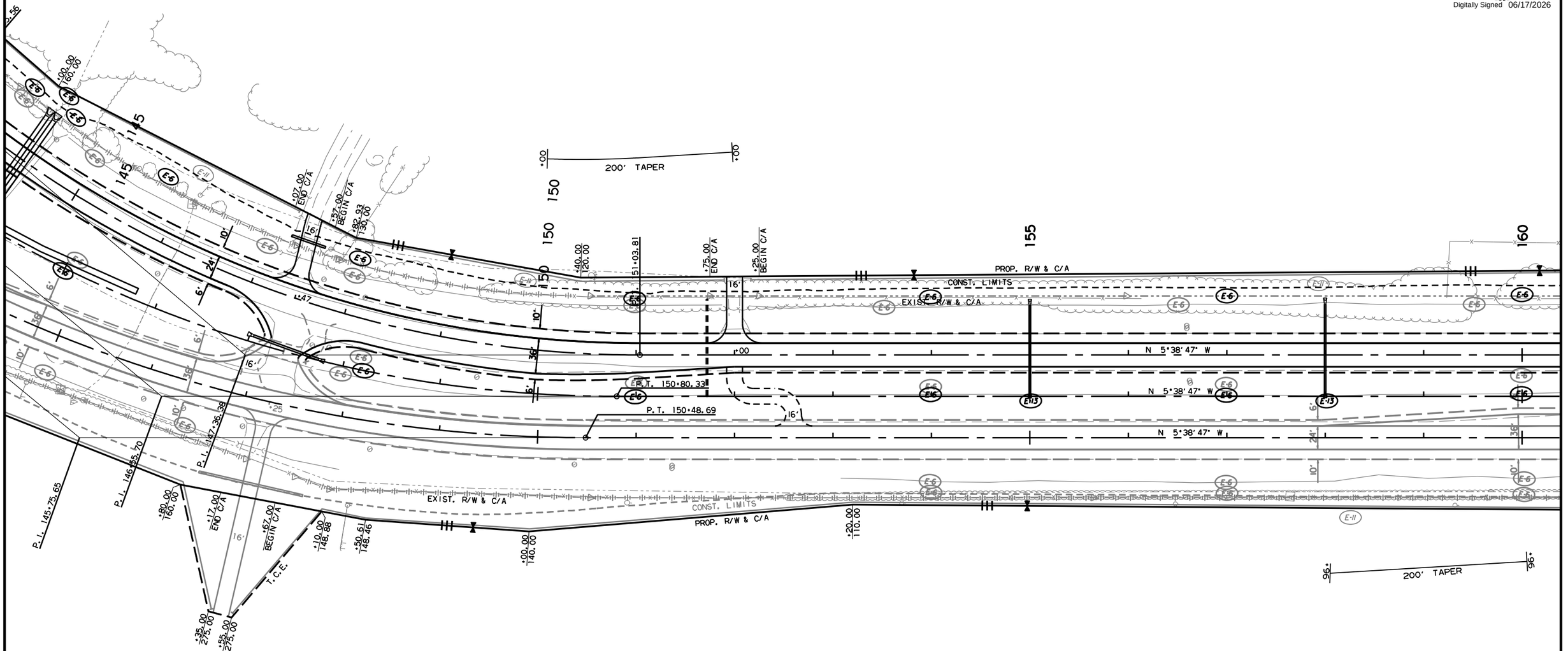
MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	43	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

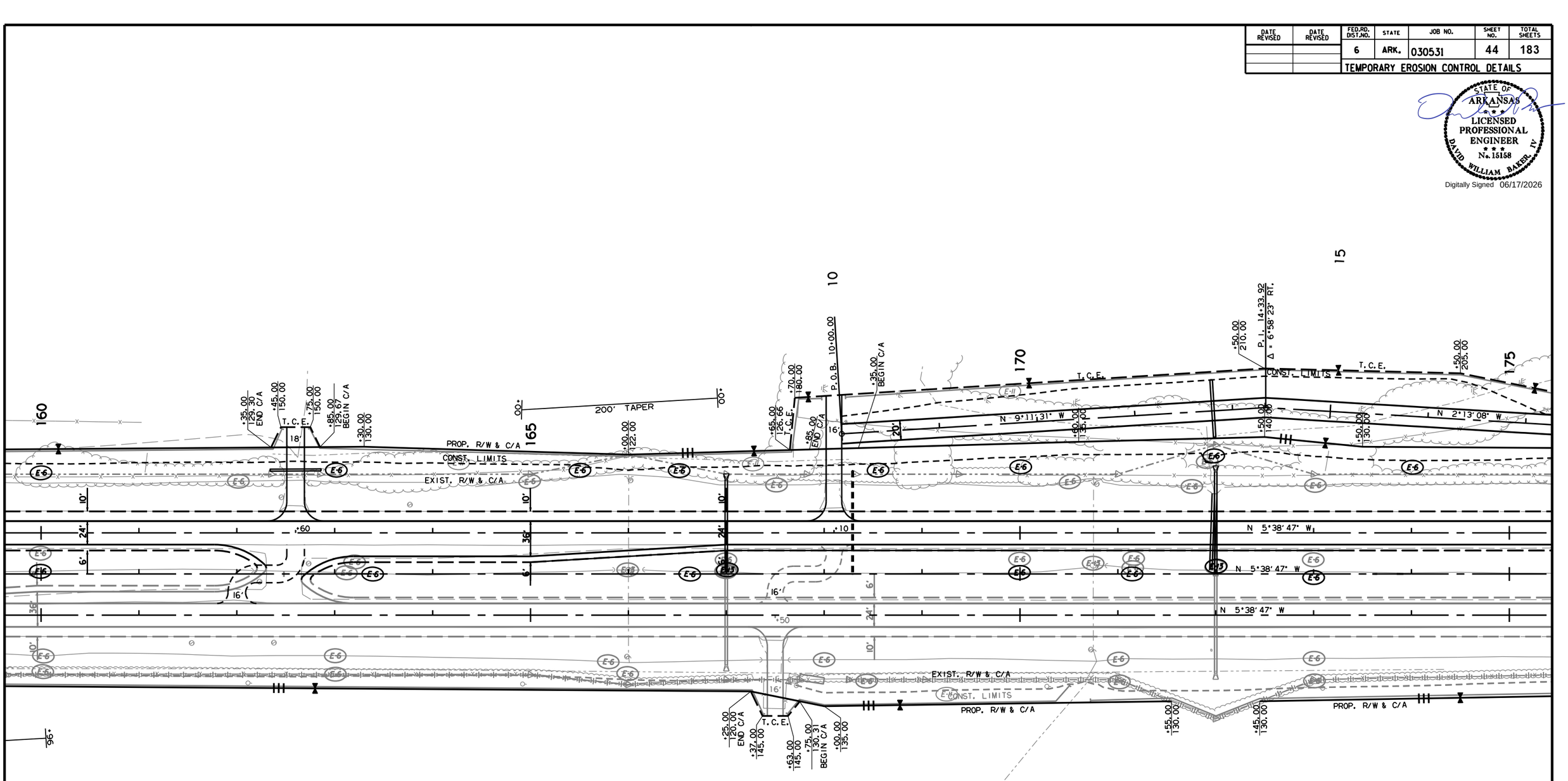
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 4
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	44	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

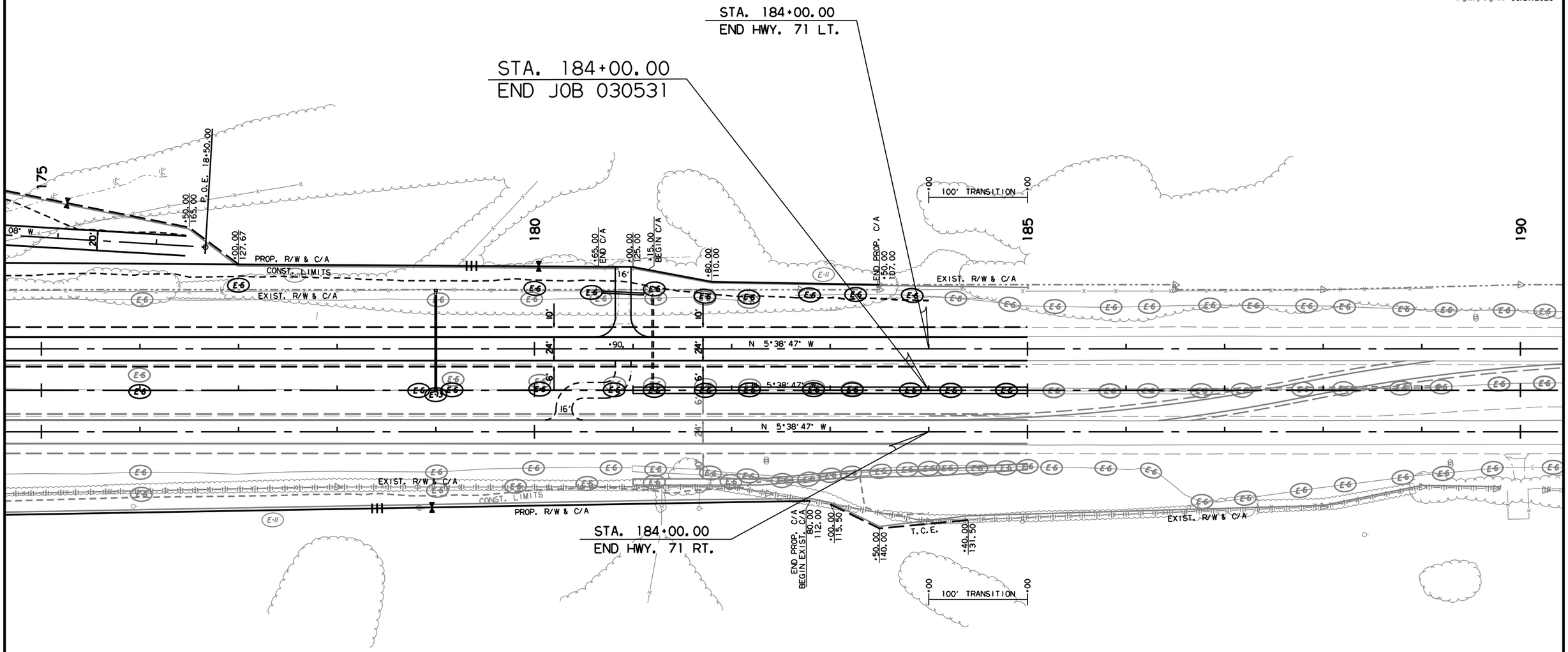
STAGE 4
TEMPORARY EROSION CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	45	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 4
TEMPORARY EROSION CONTROL DETAILS

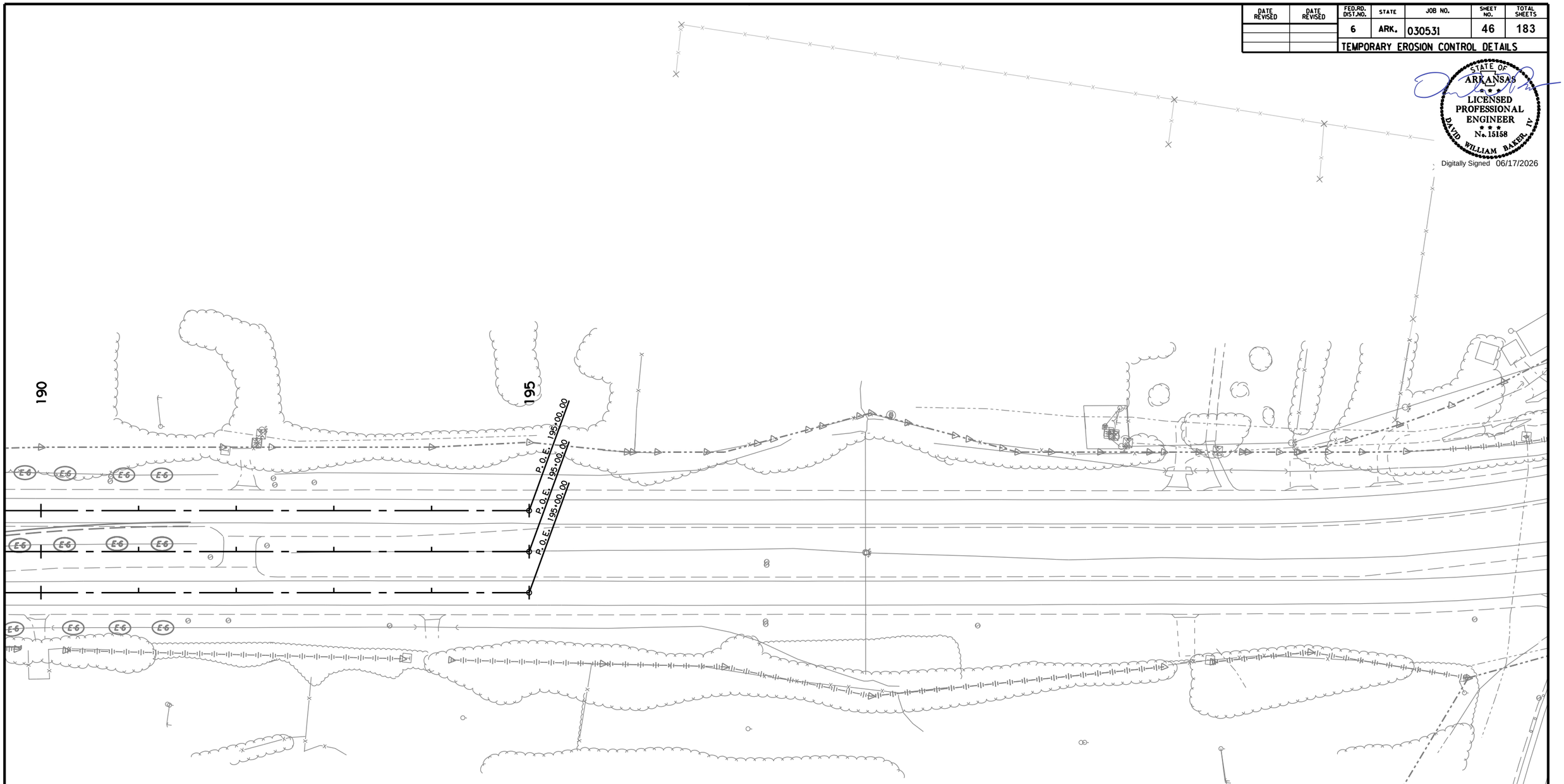
MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	46	183

TEMPORARY EROSION CONTROL DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV

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REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 4
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	47	183
		TEMPORARY EROSION CONTROL DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 106+72.28
BEGIN HWY. 71 RT.

P.O.B. 100+00.00
N 8°36'13" E
P.C. 100+44.48
N 5°53'43" E
P.C. 105+32.76
100' TRANSITION
72.28
N 3°11'13" E
EXIST. R/W
P.I. 109+29.26
N 34°41'13" E
CONST. LIMITS
15.5'
24'
11.5'
10'
6'
P.I. 111+12.07
N 34°15'59" E
P.I. 112+71.35
N 33°50'13" E
BEGIN EXIST. C/A 157+68 272.68
16'
30'
36'
PROP. R/W
P.C. 109+72.28
44.77
270.09
PROP. R/W & C/A
BEGIN PROP. C/A 210+00 50.00
END C/A 190+00 20.00
END C/A 136+00 36.00
BEGIN C/A 186+00 36.00
END C/A 147+00 195.00
P.I. 175+56.09
BEGIN C/A 187+00 37.00

LEGEND

E-6	= ROCK DITCH CHECK
E-11	= SILT FENCE
E-13	= DROP INLET FILTER SOCKS

REVISION BOX

DATE OF REVISION	REVISION

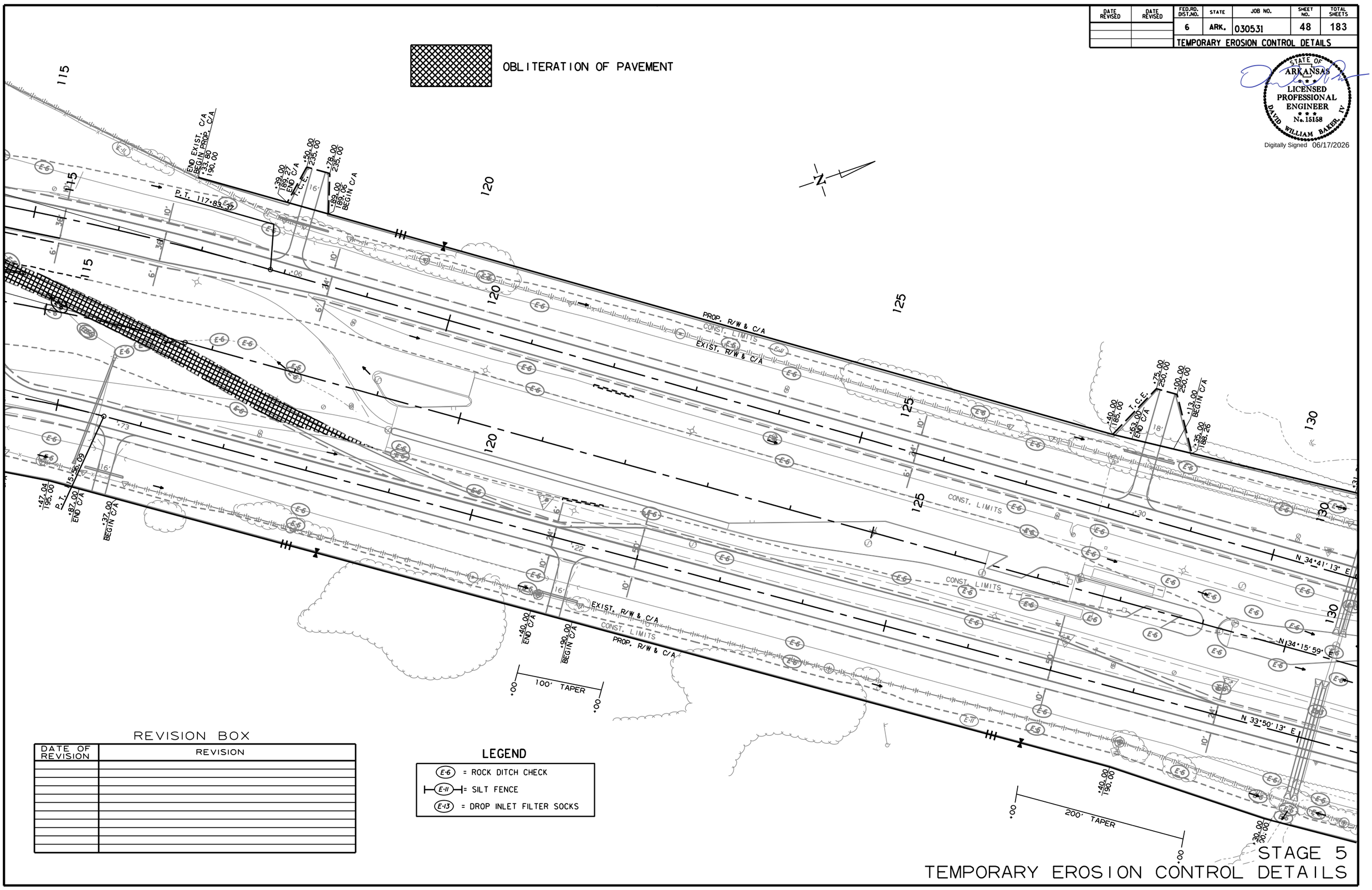
STAGE 5
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	48	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 5
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	49	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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N

130 135 140 145

N 34°41' 13" E
N 34°15' 59" E
N 33°50' 13" E

P.C. 139+31.36
195.00

183.00
180.00 END C/A

P.C. 139+95.00
200.00

220.00
200.00

P.C. 140+33.98
181.98 BEGIN C/A

P.C. 140+64.27
190.00

P.C. 148+35.56

100.00
160.00

P.C. 141+93.38

P.C. 140+61.61

30.00
200.00

40.00
186.59

159.00 END C/A

20'

19.00 BEGIN C/A

P.C.C.

47.63
185.00

80.00
255.00

10.00
255.00

40.00
200.00

100.00
175.00

PROP. R/W & C/A
CONST. LIMITS
EXIST. R/W & C/A
E-11

+50

16'
10'
24'
6'
36'

+77
200' TAPER
+77

REVISION BOX

DATE OF REVISION	REVISION

LEGEND

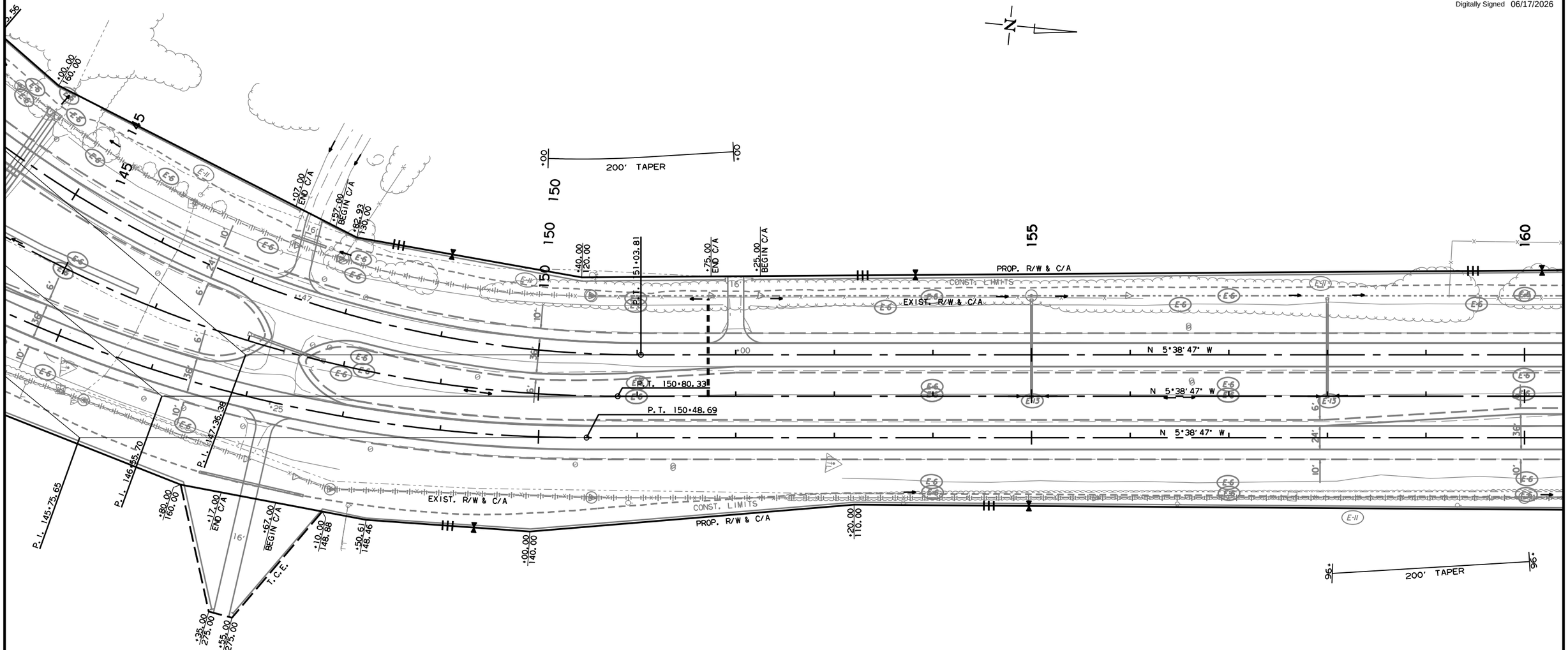
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

STAGE 5
TEMPORARY EROSION CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	50	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

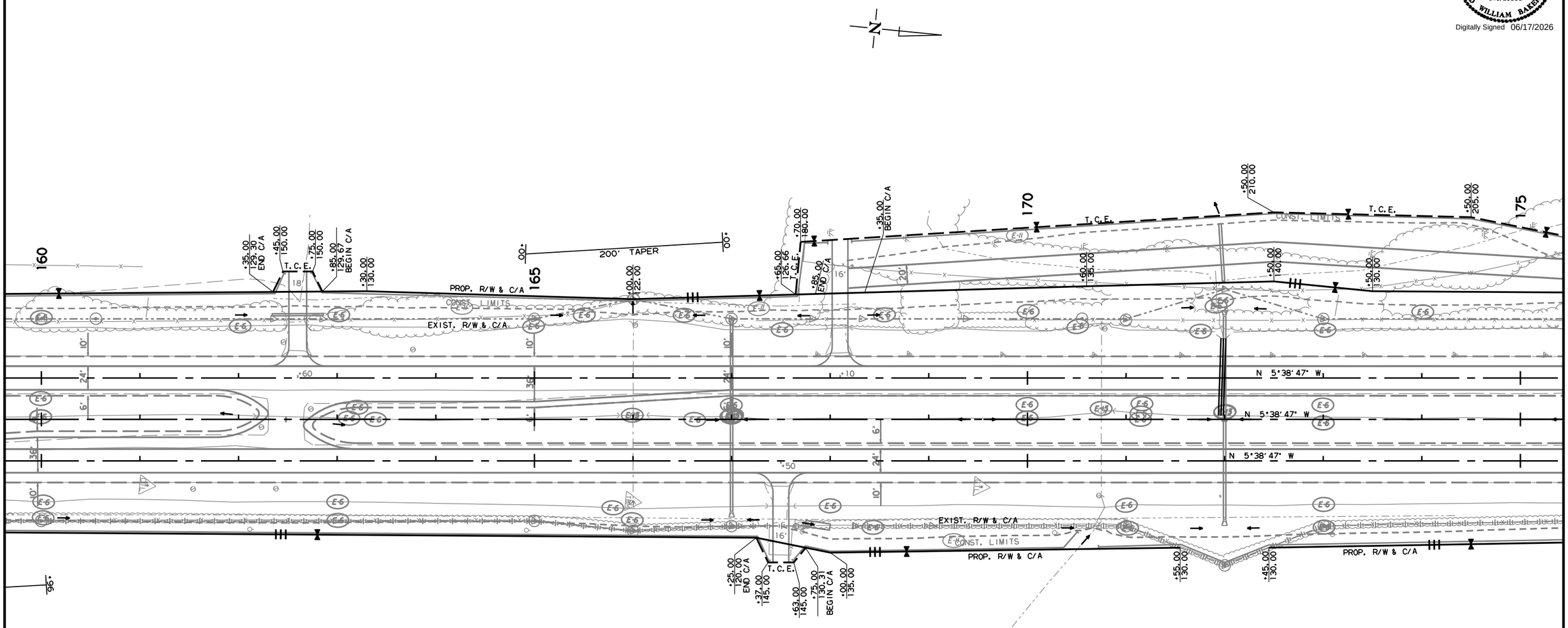
- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

STAGE 5
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	51	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

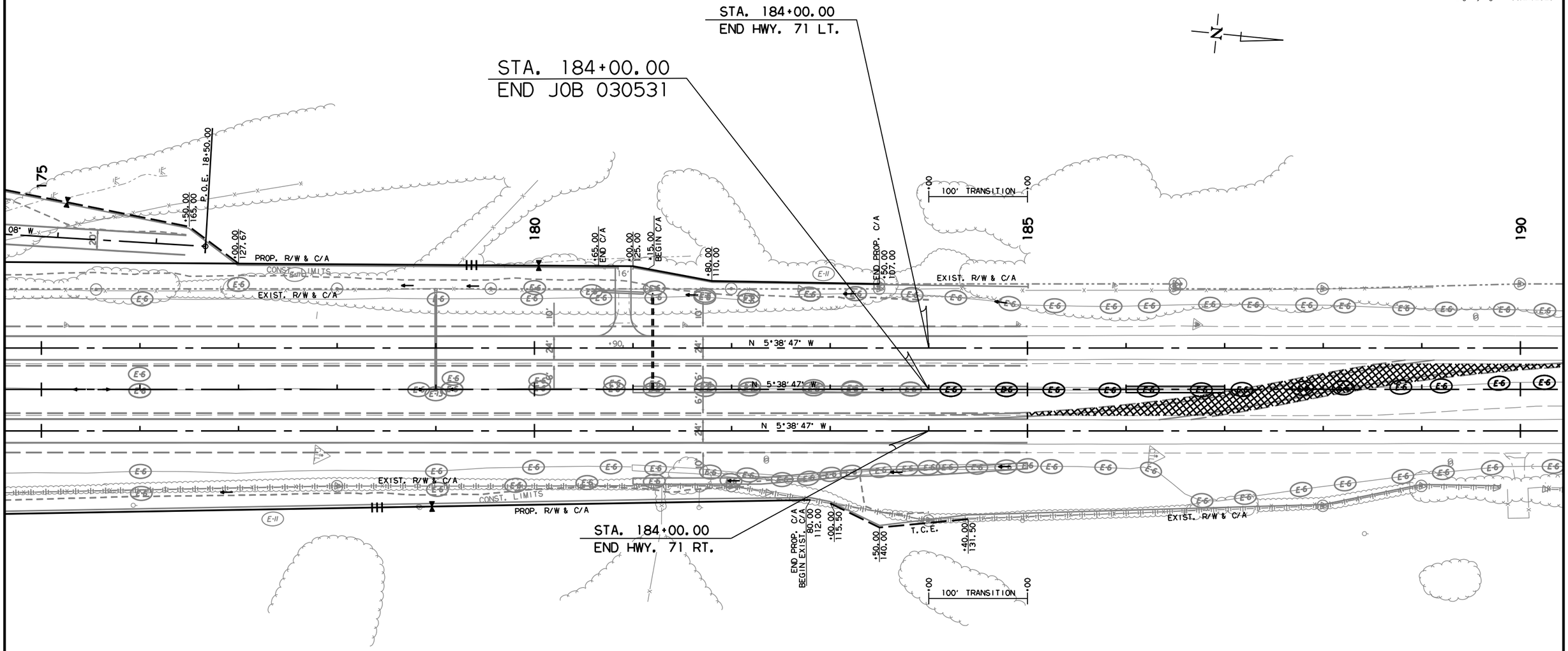
STAGE 5
TEMPORARY EROSION CONTROL DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	52	183
		TEMPORARY EROSION CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- E-6 = ROCK DITCH CHECK
- E-11 = SILT FENCE
- E-13 = DROP INLET FILTER SOCKS

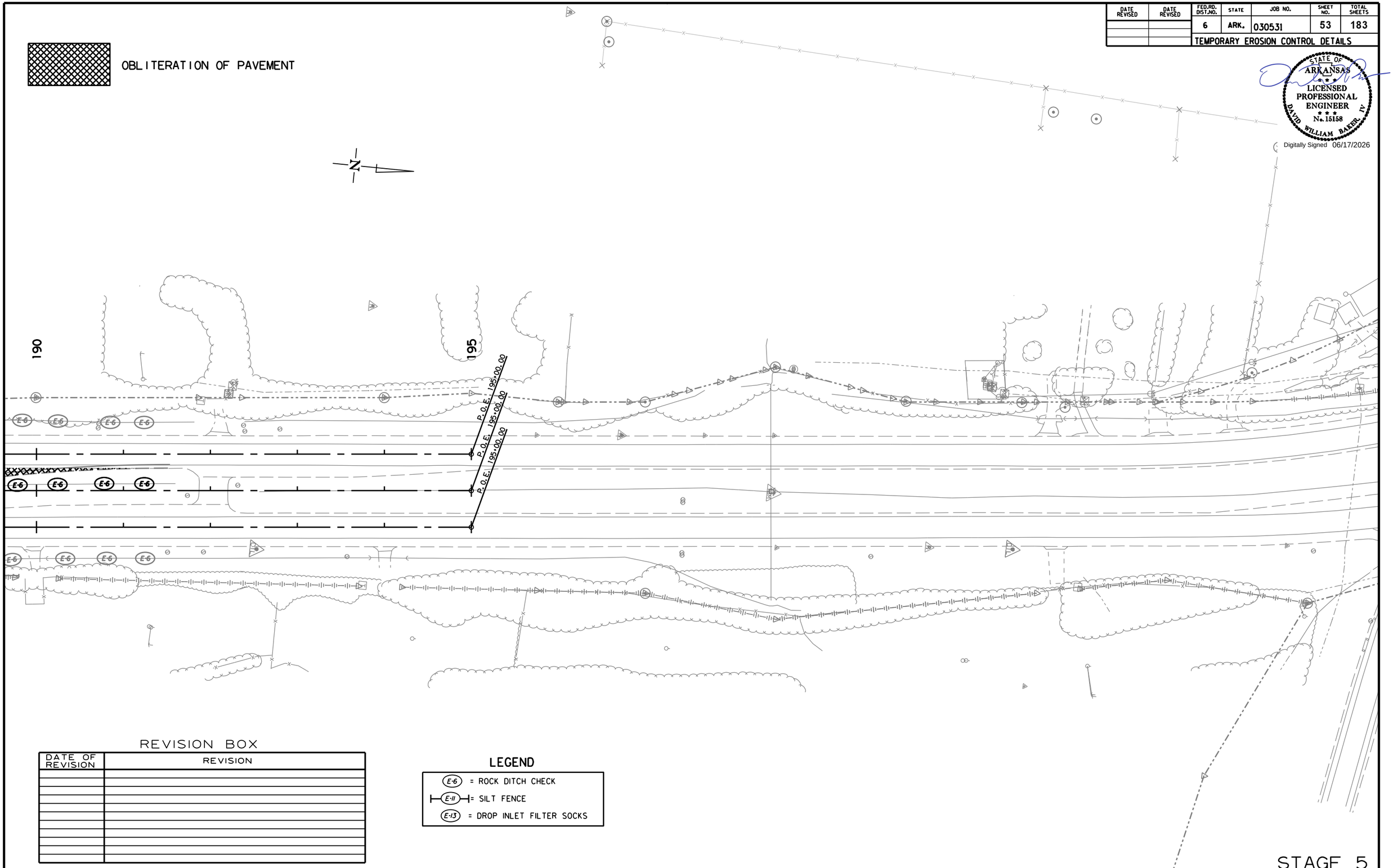
STAGE 5
TEMPORARY EROSION CONTROL DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	53	183
		TEMPORARY EROSION CONTROL DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



REVISION BOX

DATE OF REVISION	REVISION

LEGEND

- (E-6) = ROCK DITCH CHECK
- (E-11) = SILT FENCE
- (E-13) = DROP INLET FILTER SOCKS

STAGE 5
TEMPORARY EROSION CONTROL DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	54	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STAGE 1 CONSTRUCTION SEQUENCE

INSTALL ADVANCE WARNING SIGNS AS SHOWN. USE TRAFFIC DRUMS TO DELINEATE THE WORK ZONE.

REMOVE WEIGH STATION ELEMENTS

CONSTRUCT DETOUR 1 CROSSOVER AT THE BEGINNING OF JOB AND DETOUR 2 AT THE END OF THE JOB. CONSTRUCT TEMP. APPROACHES AS DIRECTED BY THE ENGINEER.

CONSTRUCT TEMP. PAVEMENT WIDENING ON HWY. 71 LT.

STAGE 2 CONSTRUCTION SEQUENCE

MAINTAIN AND INSTALL ADVANCE WARNING SIGNS AND TRAFFIC DRUMS AS DIRECTED BY THE ENGINEER. REMOVE CONFLICTING PAVEMENT MARKINGS AND INSTALL CONSTRUCTION PAVEMENT MARKINGS, TUBULAR MARKERS, AND P.C.C.B. AS SHOWN IN THE STAGE 2 MAINTENANCE OF TRAFFIC DETAILS. SHIFT NORTHBOUND TRAFFIC ONTO CROSSOVERS CONSTRUCTED IN STAGE 1.

CONSTRUCT PROPOSED RT. LANES. CONSTRUCT TEMP. PAVEMENT WIDENING ON HWY. 71 RT. CONSTRUCT TEMP. APPROACHES AS DIRECTED BY THE ENGINEER.

STAGE 3 CONSTRUCTION SEQUENCE

MAINTAIN AND INSTALL ADVANCE WARNING SIGNS AND TRAFFIC DRUMS AS DIRECTED BY THE ENGINEER. INSTALL CONSTRUCTION PAVEMENT MARKINGS AND REMOVE P.C.C.B. AND TUBULAR MARKERS AS SHOWN IN THE STAGE 3 MAINTENANCE OF TRAFFIC DETAILS. SHIFT NORTHBOUND TRAFFIC ON TO RT. LANES CONSTRUCTED IN STAGE 2.

OBLITERATE CROSSOVERS CONSTRUCTED IN STAGE 1.

CONSTRUCT DETOUR 3 CROSSOVER AT THE BEGINNING OF JOB AND DETOUR 4 AT THE END OF THE JOB. CONSTRUCT TEMP. APPROACHES AS DIRECTED BY THE ENGINEER.

STAGE 4 CONSTRUCTION SEQUENCE

MAINTAIN AND INSTALL ADVANCE WARNING SIGNS, AND TRAFFIC DRUMS AS DIRECTED BY THE ENGINEER. REMOVE CONFLICTING PAVEMENT MARKINGS AND INSTALL CONSTRUCTION PAVEMENT MARKINGS, TUBULAR MARKERS, AND P.C.C.B. AS SHOWN IN THE STAGE 4 MAINTENANCE OF TRAFFIC DETAILS. SHIFT SOUTHBOUND TRAFFIC ONTO CROSSOVERS CONSTRUCTED IN STAGE 3.

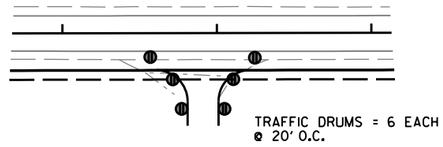
CONSTRUCT PROPOSED LT. LANES. CONSTRUCT TEMP. APPROACHES AS DIRECTED BY THE ENGINEER.

STAGE 5 CONSTRUCTION SEQUENCE

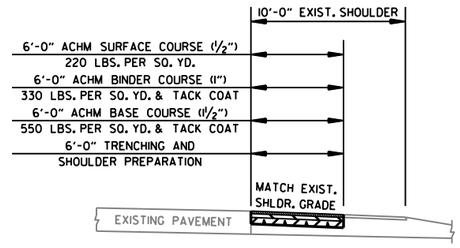
MAINTAIN AND INSTALL ADVANCE WARNING SIGNS AND TRAFFIC DRUMS AS DIRECTED BY THE ENGINEER. INSTALL CONSTRUCTION PAVEMENT MARKINGS AND REMOVE P.C.C.B. AND TUBULAR MARKERS AS SHOWN IN THE STAGE 5 MAINTENANCE OF TRAFFIC DETAILS. SHIFT SOUTHBOUND TRAFFIC ON TO LT. LANES CONSTRUCTED IN STAGE 4.

OBLITERATE CROSSOVERS CONSTRUCTED IN STAGE 4.

MILL OUT THE TRANSITIONS AT BOTH ENDS OF JOB AND PLACE FINAL 2" LIFT OF SURFACE COURSE. INSTALL PERMANENT PAVEMENT MARKINGS AS SHOWN IN THE PERMANENT PAVEMENT MARKINGS DETAILS.



DRIVEWAY/TRAFFIC DRUM DETAIL



TEMP. PAVEMENT WIDENING DETAIL
STA. 116+20.00 - STA. 125+80.00 (HWY. 71 LT.)
STA. 184+00.00 - STA. 189+60.00 (HWY. 71 RT.)



(2) W8-1
(30" X 30")

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

SEQUENCE OF CONSTRUCTION
MAINTENANCE OF TRAFFIC DETAILS

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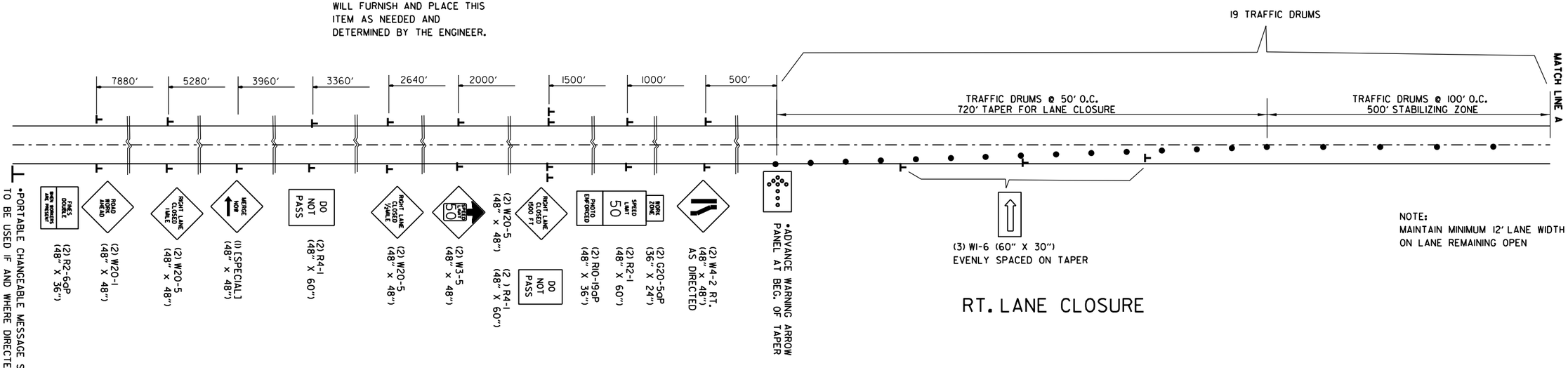
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	55	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

M.S. N.S. = MOBILE SPEED NOTIFICATION SYSTEM

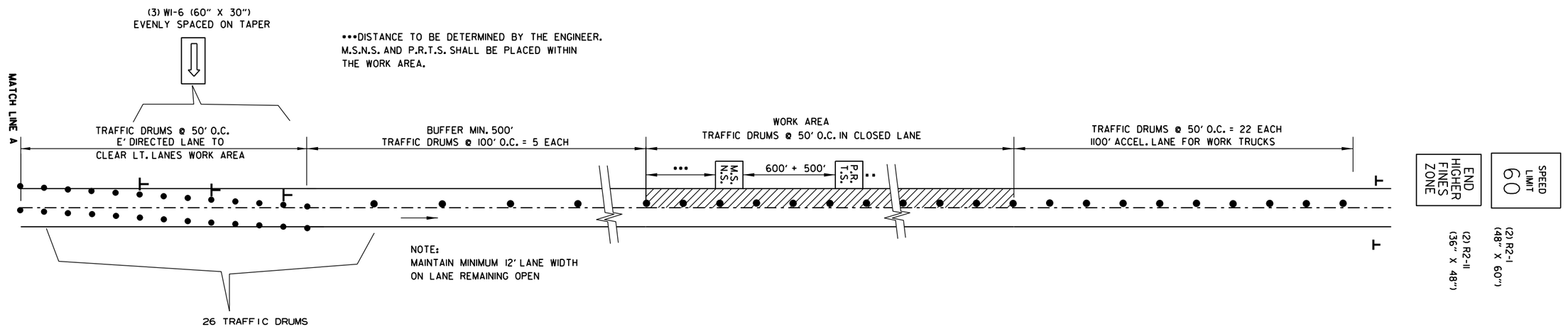
P.R. T.S. = PHOTO RADAR TRAILER SYSTEM

••NOTE: IF NO PAY ITEM FOR A PHOTO RADAR TRAILER SYSTEM IS INCLUDED IN THE CONTRACT DOCUMENTS, ARDOT WILL FURNISH AND PLACE THIS ITEM AS NEEDED AND DETERMINED BY THE ENGINEER.



RT. LANE CLOSURE

•TO BE PLACED AT MINIMUM OFFSET OF 12′ FROM EDGE OF THROUGH LANE OF TRAFFIC, OR FURTHER IF PRACTICAL.



DIVERSION FOR LT. LANE WORK ZONE

LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

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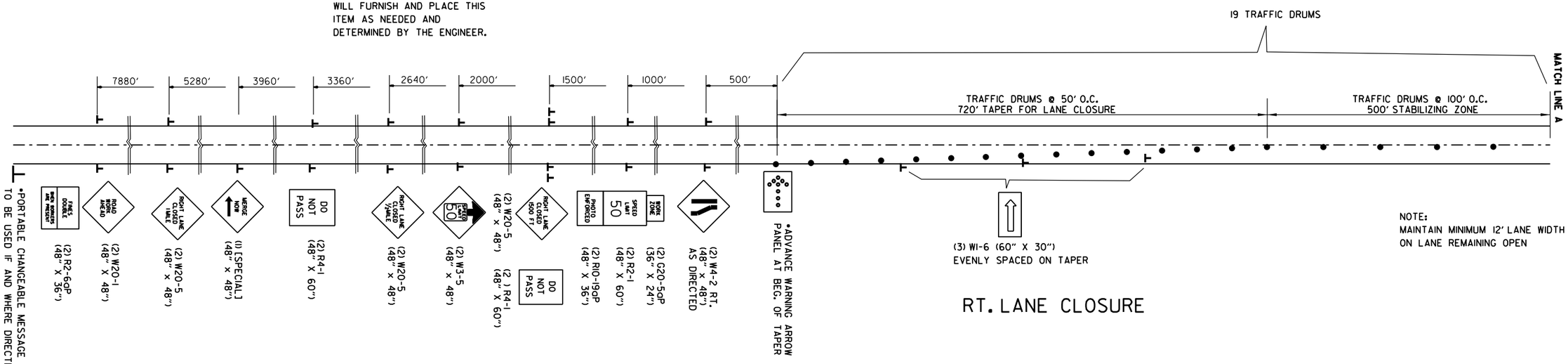
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	56	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
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M.S. N.S. = MOBILE SPEED NOTIFICATION SYSTEM

P.R. T.S. = PHOTO RADAR TRAILER SYSTEM

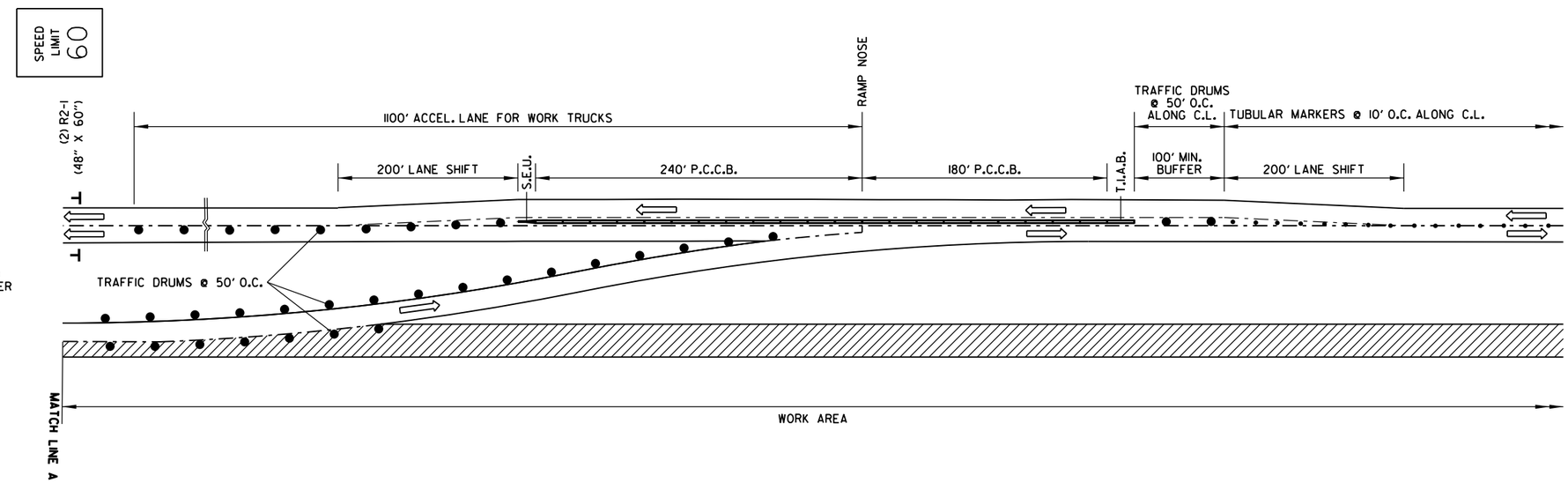
••NOTE: IF NO PAY ITEM FOR A PHOTO RADAR TRAILER SYSTEM IS INCLUDED IN THE CONTRACT DOCUMENTS, ARDOT WILL FURNISH AND PLACE THIS ITEM AS NEEDED AND DETERMINED BY THE ENGINEER.



RT. LANE CLOSURE

•TO BE PLACED AT MINIMUM OFFSET OF 12′ FROM EDGE OF THROUGH LANE OF TRAFFIC, OR FURTHER IF PRACTICAL.

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

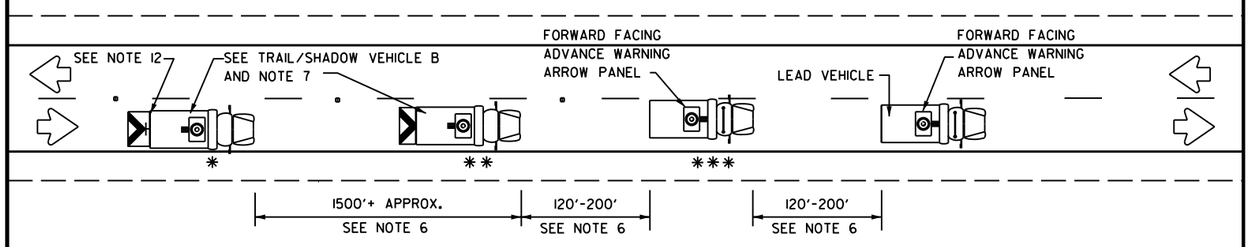


DIVERSION FOR MEDIAN CROSSOVERS

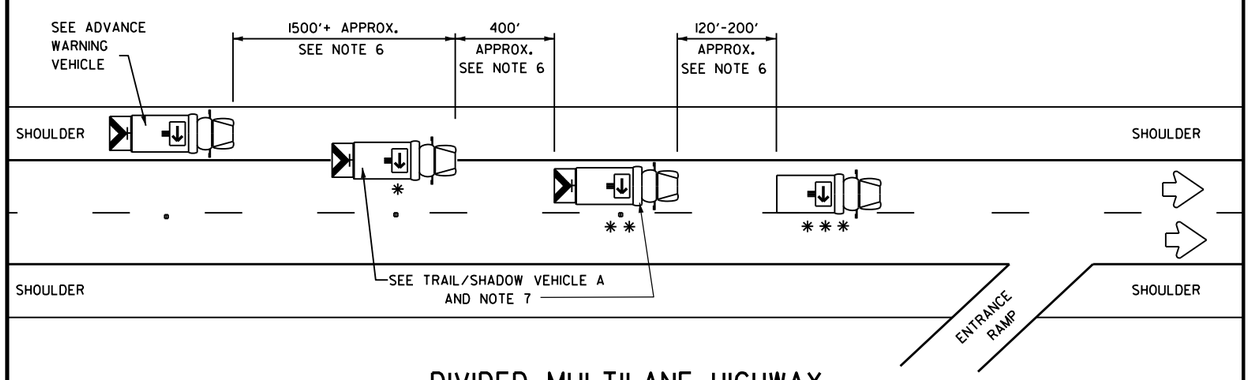
LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

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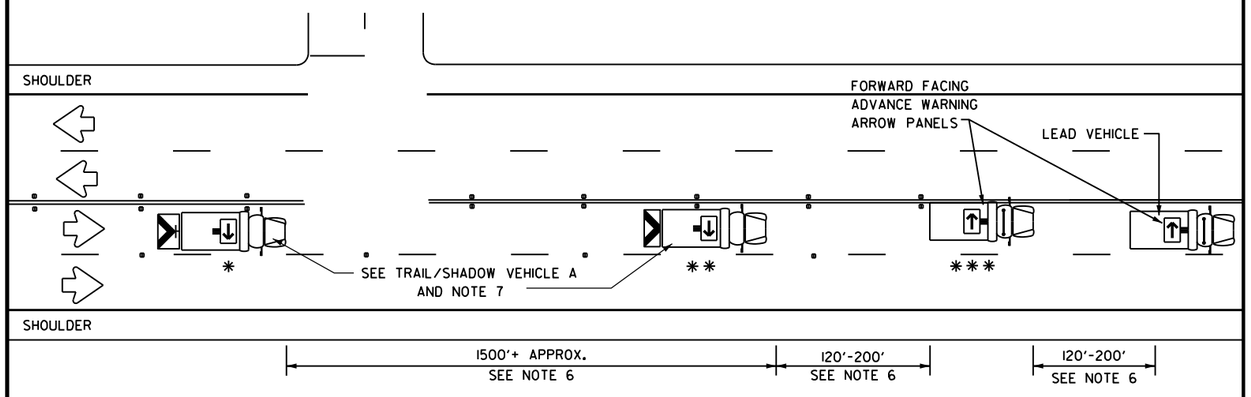
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		6	ARK.	030531	57	183
		MAINTENANCE OF TRAFFIC DETAILS				



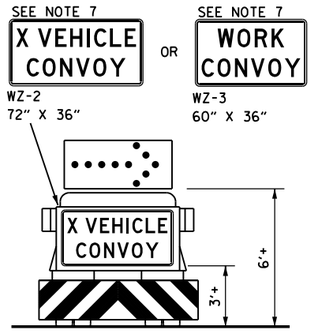
TWO LANE HIGHWAY
(WORK ON TRAVEL LANE)



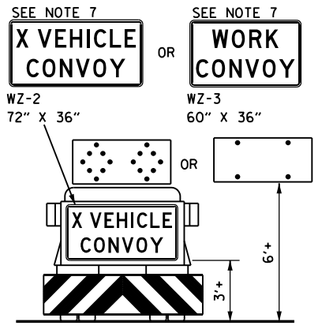
DIVIDED MULTILANE HIGHWAY



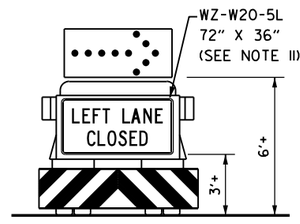
UNDIVIDED MULTILANE HIGHWAY



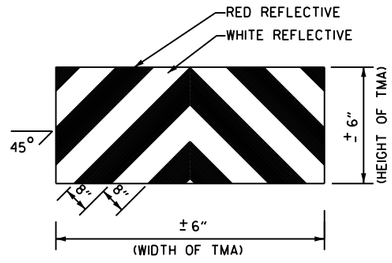
TRAIL/SHADOW VEHICLE A
WITH RIGHT DIRECTIONAL
ADVANCE WARNING ARROW PANEL



TRAIL/SHADOW VEHICLE B
WITH ADVANCE WARNING ARROW PANEL
IN CAUTION MODE



ADVANCE WARNING VEHICLE
WITH RIGHT DIRECTIONAL
ADVANCE WARNING ARROW PANEL



STRIPING FOR TMA

LEGEND			
*	TRAIL VEHICLE	ADVANCE WARNING ARROW PANEL DISPLAY	
**	SHADOW VEHICLE		
***	WORK VEHICLE		RIGHT DIRECTIONAL
	HEAVY WORK VEHICLE		LEFT DIRECTIONAL
	TRUCK MOUNTED ATTENUATOR (TMA)		DOUBLE ARROW
	TRAFFIC FLOW		CAUTION (ALTERNATING DIAMOND OR 4 CORNER FLASH)

TYPICAL APPLICATION - MOBILE WORK ZONE

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

GENERAL NOTES:

1. TRAIL, SHADOW, AND LEAD VEHICLES SHALL BE EQUIPPED WITH ADVANCE WARNING ARROW PANELS AS ILLUSTRATED.
2. THE USE OF AMBER OR GREEN HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON ALL VEHICLES ARE REQUIRED. VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
3. THE USE OF TRUCK MOUNTED ATTENUATORS (TMA) ON THE SHADOW VEHICLE, ADVANCE WARNING AND TRAIL VEHICLE ARE REQUIRED.
4. EACH VEHICLE SHALL HAVE TWO-WAY RADIO COMMUNICATION CAPABILITY.
5. WHEN WORK CONVOYS MUST CHANGE LANES, THE TRAIL VEHICLE SHOULD CHANGE LANES FIRST TO SHADOW THE OTHER CONVOY VEHICLES. WHEN WORK CONVOY EXITS THE ROADWAY, THE TRAIL VEHICLE SHOULD EXIT LAST.
6. VEHICLE SPACING BETWEEN THE TRAIL VEHICLE AND THE SHADOW VEHICLE WILL VARY DEPENDING ON SIGHT DISTANCE RESTRICTIONS AND QUEUE LENGTHS. MOTORISTS APPROACHING THE CONVOY SHOULD BE ABLE TO SEE THE TRAIL VEHICLE IN TIME TO SLOW DOWN AND/OR CHANGE LANES AS THEY APPROACH THE TRAIL VEHICLE. VEHICLE SPACING BETWEEN THE WORK VEHICLE AND SHADOW VEHICLE AND VEHICLE SPACING BETWEEN THE WORK VEHICLE AND LEAD VEHICLE MAY VARY ACCORDING TO TERRAIN, WORK ACTIVITY AND OTHER FACTORS.
7. X VEHICLE CONVOY (WZ-2) OR WORK CONVOY (WZ-3) SIGNS SHALL BE USED ON TRAIL VEHICLES AND SHADOW VEHICLES AS SHOWN. AS AN OPTION 48" X 48" DIAMOND SHAPED WORK CONVOY (WZ-2A) OR X VEHICLE CONVOY (WZ-3A) SIGNS MAY BE USED WHERE ADEQUATE MOUNTING SPACE EXISTS. WHEN USED, THE X VEHICLE CONVOY SIGN SHALL HAVE THE NUMBER OF THE CONVOY VEHICLES DISPLAYED ON THE SIGN IN THE NUMBER DESIGNATION "X" LOCATION. THE X VEHICLE CONVOY SIGN SHALL NOT BE USED ON THE SHADOW VEHICLE.
8. FOR DIVIDED HIGHWAYS WITH TWO OR THREE LANES IN ONE DIRECTION, THE APPROPRIATE LEFT LANE CLOSED (WZ-W20-5L), RIGHT LANE CLOSED (WZ-W20-5R), OR CENTER LANE CLOSED (WZ-W20-5C) SIGN SHOULD BE USED ON THE ADVANCE WARNING VEHICLE. AS AN OPTION, A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) OR TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (TMCMS) WITH A MINIMUM CHARACTER HEIGHT OF 12", AND DISPLAYING THE SAME LEGEND MAY BE SUBSTITUTED FOR THESE SIGNS. AN APPROPRIATE DIRECTIONAL ARROW DISPLAY, SIMULATING THE SIZE AND LEGIBILITY OFTHE ADVANCE WARNING ARROW PANEL MAY BE USED IN THE SECOND PHASE OF THE PCMS/TMCMS MESSAGE. WHEN THIS IS DONE, THE ARROW BOARD WILL NOT BE REQUIRED ON THE ADVANCE WARNING VEHICLE.
9. A DOUBLE ARROW SHALL NOT BE DISPLAYED ON THE ADVANCE WARNING ARROW PANEL ON THE ADVANCE WARNING VEHICLE.
10. STANDARD DIAMOND SHAPE VERSIONS OF THE WZ SERIES SIGNS MAY BE USED AS AN OPTION IF THE RECTANGULAR SIGNS SHOWN ARE NOT AVAILABLE.
11. THE ADVANCE WARNING VEHICLE MAY STRADDLE THE EDGELINE WHEN SHOULDER WIDTH MAKES IT NECESSARY.
12. ON TWO-LANE TWO-WAY ROADWAYS, THE WORK AND PROTECTION VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW MOTOR VEHICLE TRAFFIC TO PASS. A DO NOT PASS (R4-1) SIGN SHALL BE PLACED ON THE BACK OF THE REARMOST PROTECTION VEHICLE.
13. MOBILE WORK ZONE METHODS AS DEPICTED IN THIS STANDARD DRAWING SHALL BE UTILIZED ON ALL PROJECTS THAT INCLUDE INSTALLATION OR REMOVAL OF RAISED PAVEMENT MARKERS OR PAVEMENT MARKINGS UNLESS APPROVED BY THE ENGINEER ON PROJECTS LESS THAN 0.5 MILE IN LENGTH.
14. NO DIRECT PAYMENT WILL BE MADE FOR COMPLIANCE WITH THE METHODS DEPICTED IN THIS STANDARD DRAWING (WHICH INCLUDES ALL SIGNS, DEVICES, MATERIALS, LABOR, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLY) BUT SHALL BE CONSIDERED SUBSIDIARY TO THE MAINTENANCE OF TRAFFIC PAY ITEM.

MAINTENANCE OF TRAFFIC DETAILS

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	58	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
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STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

STA. 1000+59.84
BEGIN DETOUR 1

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

C.L. HWY. 71 RT. STA. 106+72.28 4.50' LT =
C.L. DETOUR 1 STA. 1000+00.00

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

ROAD CLOSED
(1) RII-2 (48" X 30")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

TRAFFIC BARRELS SPACED 50' O.C.

EXIST. R/W

P.O.B. 100+00.00
N 8°36'13" E
P.C. 100+44.48
N 5°53'43" E
P.C. 105+32.76
N 3°11'13" E
P.C. 1000+00.00
P.T. 1001+90.74
P.I. 1000+95.45
P.I. 109+29.26
P.I. 111+12.07
N 34°41'13" E
N 34°15'59" E
N 2°32'07" W
N 33°50'12" E
P.I. 1008+83.89
P.I. 112+71.33
BEGIN EXIST. C/A +57.68 272.68
30'
16'
PROP. R/W
PROP. 102+40.74
P.C. 109+72.28
+44.77 270.09
+20.00 210.00
+50.00 BEGIN PROP. C/A
PROP. R/W & C/A
+20.00 190.00
+36.00 END C/A
+86.00 BEGIN C/A
+47.04 196.00
P.T. 115+55.09
+87.00 END C/A
+37.00 BEGIN C/A

STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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		6	ARK.	030531	59	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
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TEMP. PAVEMENT WIDENING

OBLITERATION OF WEIGH STATION

ROAD CLOSED

(1) RII-2 (48" X 30")

(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

C.L. HWY. 71 LT. STA. 121+83.49 4.50' RT =
C.L. DETOUR 1 STA. 1014+81.48

HWY. 71

TRAFFIC BARRELS SPACED 50' O.C.

HWY. 71 LT.

P.T. 1008+83.89

STA. 116+20 (HWY. 71 LT.) BEGIN TEMP. PAVEMENT WIDENING

END EXIST. 1010 C/A
BEGIN PROP. C/A
133.80
190.00

P.T. 117+83.37

39.00
195.27
END C/A

T.C.E.
150.00
235.00

78.00
235.00
89.06
BEGIN C/A

PROP. R/W & C/A

EXIST. R/W & C/A

N 34°41'13" E

STA. 125+89 (HWY. 71 LT.) END TEMP. PAVEMENT WIDENING

40.00
185.00
63.00
END C/A

T.C.E.
75.00
250.00
90.00
250.00
13.00
BEGIN C/A
35.00
188.26

P.T. 1014+81.48

P.T. 115+56.09

47.04
195.00
87.00
END C/A
37.00
BEGIN C/A

ROAD CLOSED

(1) RII-2 (48" X 30")

(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.

STA. 1014+81.48
END DETOUR 1

EXIST. R/W & C/A

PROP. R/W & C/A

40.00
END C/A
90.00
BEGIN C/A

.00
100' TAPER
.00

HWY. 71 RT.

N 33°50'13" E

N 34°15'59" E

40.00
190.00

.00
200' TAPER
.00

30.00
30.00

TRAFFIC BARRELS SPACED 50' O.C.

STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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OBLITERATION OF WEIGH STATION

HWY. 71

HWY. 71 LT.

HWY. 71 RT.

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

PROP. R/W & C/A

EXIST. R/W & C/A

ROAD CLOSED

(1) RII-2 (48" X 30")

(1) 8' BARR. TYP. III LT.

(1) 8' BARR. TYP. III LT.

TRAFFIC BARRELS SPACED 50' O.C.

P.C. 141+93.38

P.C. 140+61.61

P.C. 148+35.56

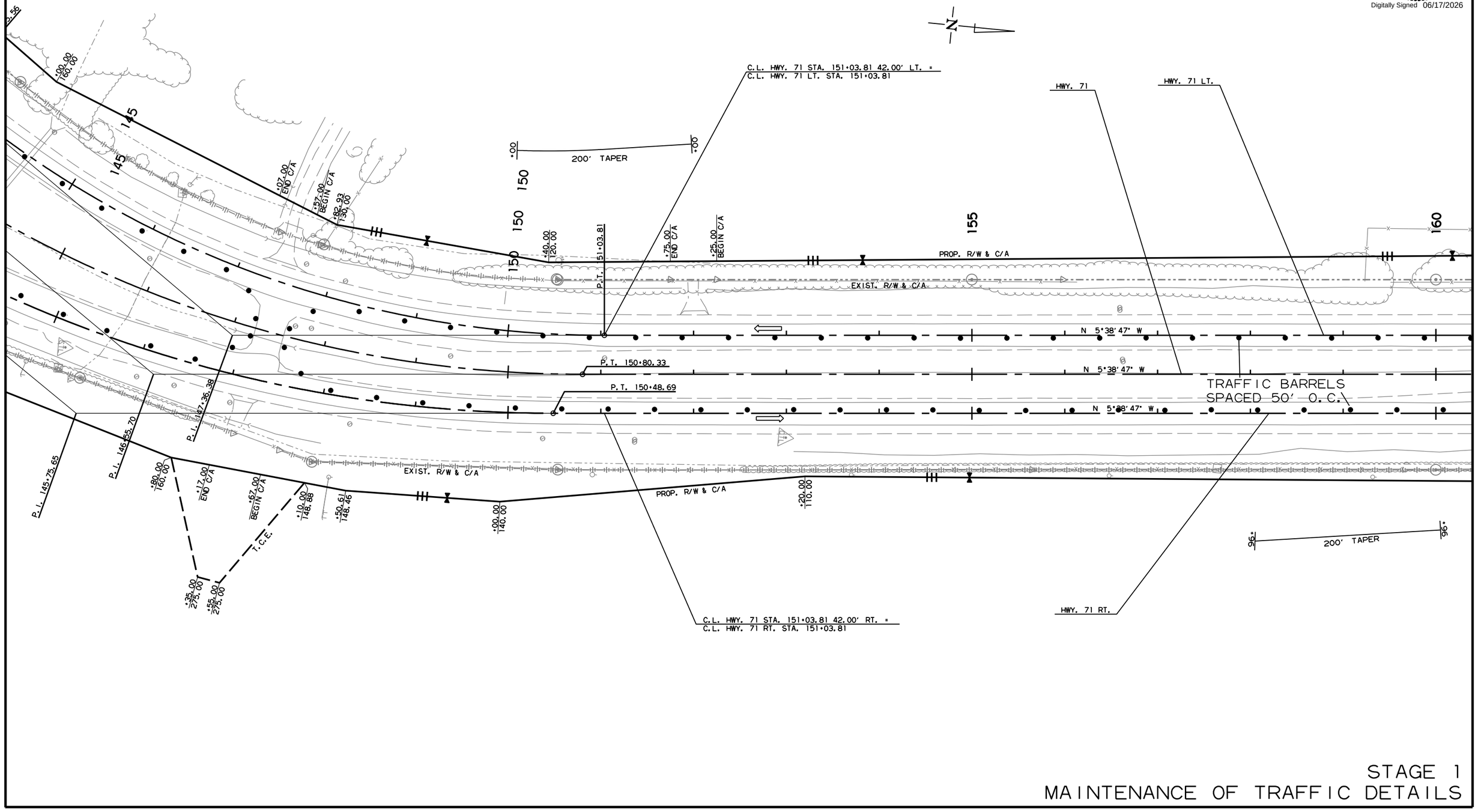
200' TAPER

STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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		6	ARK.	030531	61	183
		MAINTENANCE OF TRAFFIC DETAILS				

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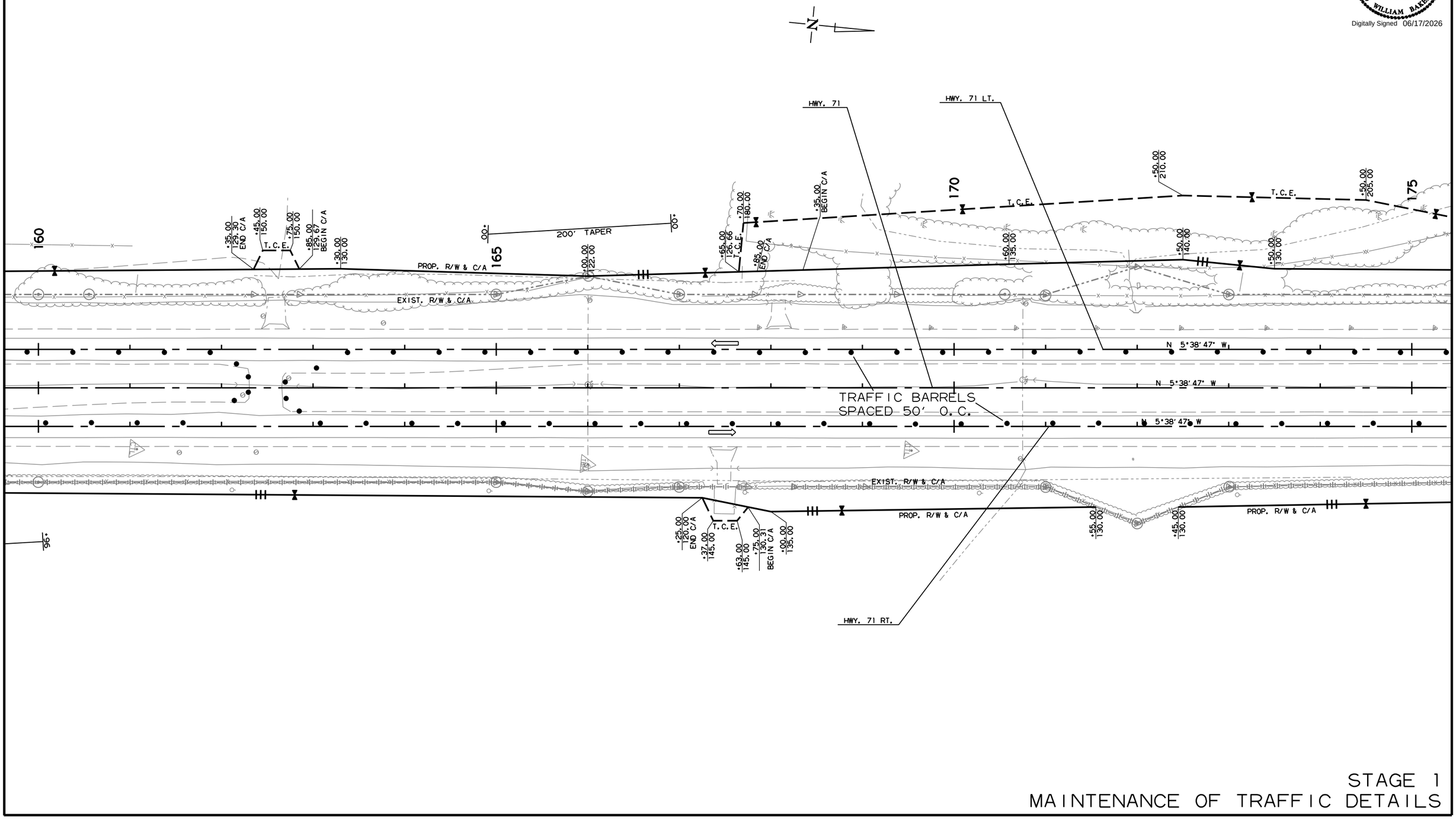


STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	62	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
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STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
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STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

N

175

+50.00
165.00

+00.00
127.67

PROP. R/W & C/A

EXIST. R/W & C/A

180

+65.00
END C/A

+00.00
125.00

+15.00
BEGIN C/A

+80.00
110.00

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT. =
C.L. DETOUR 2 STA. 2000+00.00

END PROP. C/A
+50.00
107.00

2000

185

C.L. HWY. 71 STA. 184+00.00 42.00' LT. =
C.L. HWY. 71 LT. STA. 184+00.00

EXIST. R/W & C/A

P.I. 2001+85.19

2005

190

P.C. 2003+69.22

N 5°38' 47" W

N 5°38' 47" W

P.C. 2000+00.00

N 5°25' 49" E

N 5°38' 47" W

TRAFFIC BARRELS
SPACED 50' O.C.

N 5°38' 47" W

N

EXIST. R/W & C/A

PROP. R/W & C/A

STA. 184+00.00
END HWY. 71 RT.

END PROP. C/A
BEGIN EXIST. C/A
+80.00
112.00

+00.00
115.50

+50.00
140.00

T.C.E.

+40.00
131.50

EXIST. R/W & C/A

P.I. 2003+69.22

P.I. 2005+74.41

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

ROAD CLOSED

(1) RII-2
(48" X 30")

(1) 8' BARR.
TYP. III RT.

(1) 8' BARR.
TYP. III LT.

STA. 2000+00.00
BEGIN DETOUR 2

STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

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STATE OF ARKANSAS
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N

190

195

TRAFFIC BARRELS

TRAFFIC BARRELS
SPACED 50' O.C.

P.O.E. 195+00.00

P.O.E. 195+00.00

P.O.E. 195+00.00

P.T. 2007+58.44

N 5°38'47" W

C.L. HWY. 71 RT. STA. 191+53.48 4.50' LT =
C.L. DETOUR 2 STA. 2007+58.44

STA. 2006+05.45
END DETOUR 2

STAGE 1
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

REMOVAL OF PERMENANT PAVEMENT MARKINGS = 8403 LIN. FT
CONSTRUCTION PAVEMENT MARKINGS = 23264 LIN. FT

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	65	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

EXIST. R/W

P.I. 109+29.26

100' TRANSITION

P.O.B. 100+00.00
N 8°36' 13" E
P.C. 100+44.48

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 108+20.00
BEGIN HWY. 71 LT.

N 34°41' 13" E

BEGIN EXIST. C/A
+57.68
272.68

TRAFFIC BARRELS

P.I. 111+12.07

N 34°15' 59" E

P.O.B. 100+00.00
N 5°53' 43" E
P.C. 105+32.76

WHITE
CONST. PAVEMENT MARKING

YELLOW
CONST. PAVEMENT MARKING

P.I. 112+71.35

TRAFFIC BARRELS
SPACED 50' O.C.

N 33°50' 13" E

NOTE: REFER TO STANDARD DRAWING TC-2 (B)
FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

+72.28
100' TRANSITION
+72.28

P.O.B. 100+00.00
N 3°11' 13" E

EXIST. R/W

PROP. R/W

P.C. 109+72.28

CONST. LIMITS
PROP. R/W & C/A

+20.00
210.00

+50.00
BEGIN PROP. C/A

+20.00
190.00

+44.77
270.09

+36.00
END C/A

+86.00
BEGIN C/A

+47.04
196.00

P.T.

+87.00
END C/A

+37.00
BEGIN C/A

ROAD CLOSED
(1) RII-2 (48" X 30")
(1) WI-6 (48" X 24")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	66	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

200' LANE SHIFT

YELLOW CONST. PAVEMENT MARKING

WHITE CONST. PAVEMENT MARKING

END EXIST. C/A 133+80 190.00
BEGIN PROP. C/A

T.C.E. 150.00 235.00
178.00 235.00
139.00 185.27 END C/A
189.00 189.06 BEGIN C/A

P.T. 117+83.37

S.E.U.

FURNISH AND INSTALL 433' P.C.C.B. (INCLUDES 1 SPECIAL END UNIT)

HWY. 71

HWY. 71 LT.

T.I.A.B.

STA. 122+06 INSTALL
24" X 48' TEMP. CULVERT &
24" X 48' TEMP. CULVERT
CONSTRUCT TEMP. APPR. = 430 CU. YDS.
REMOVE AFTER STAGE 3

200' LANE SHIFT

PROP. R/W & C/A

EXIST. R/W & C/A

WHITE CONST. PAVEMENT MARKING

DBL. YELLOW CONST. PAVEMENT MARKING

TUBULAR MARKERS SPACED 10' O.C.

T.C.E. 175.00 250.00
190.00 250.00
140.00 185.00
153.00 END C/A
213.00 BEGIN C/A
135.00 188.26

TRAFFIC BARRELS

147.04 196.00 P.T.
187.00 END C/A
237.00 BEGIN C/A

ROAD CLOSED

(1) RII-2 (48" X 30")

(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

140.00 END C/A
190.00 BEGIN C/A

100' TAPER

CONST. LIMITS

EXIST. R/W & C/A

PROP. R/W & C/A

HWY. 71 RT.

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

140.00 190.00

200' TAPER

30.00 30.00

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	67	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

HWY. 71

HWY. 71 LT.

ROAD CLOSED

(1) R11-2 (48" X 30")

(1) 8' BARR. TYP. III RT.

(1) 8' BARR. TYP. III LT.

TUBULAR MARKERS SPACED 10' O.C.

STA. 140+34 INSTALL
24" X 34' TEMP. CULVERT
CONSTRUCT TEMP. APPR. = 1540 CU. YDS.
REMOVE AFTER STAGE 3

DBL. YELLOW CONST. PAVEMENT MARKING

WHITE CONST. PAVEMENT MARKING

TRAFFIC BARRELS

N 34°41' 13" E

N 34°15' 59" E

N 33°50' 13" E

PROP. R/W & C/A

EXIST. R/W & C/A

CONST. LIMITS

P.C. 141+93.38

P.C. 140+69.61

P.C. 148+35.56

+31.36 195.00

+83.00 180.00 END C/A

P.C. +95.00 200.00

+20.00 200.00

+32.98 181.78 BEGIN C/A

+64.27 190.00

+00.00 160.00

+30.00 200.00

+40.00 186.59

+59.00 END C/A

20'

BEGIN C/A +19.00

P.C. +47.63 185.00

+80.00 255.00

+10.00 255.00

+40.00 200.00

+00.00 175.00

+77

200' TAPER

+77

16'

+5

6'

24'

10'

36'

10'

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	68	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 147+70 CONSTRUCT
TEMP. APPR. = 85 CU. YDS.

C.L. HWY. 71 STA. 151+03.81 42.00' LT. =
C.L. HWY. 71 LT. STA. 151+03.81

HWY. 71

HWY. 71 LT.

200' TAPER

TUBULAR MARKERS
SPACED 10' O.C.

P.T. 151+03.81

PROP. R/W & C/A

EXIST. R/W & C/A

N 5°38'47" W

P.T. 150+80.33

WHITE
CONST. PAVEMENT MARKING

DBL. YELLOW
CONST. PAVEMENT MARKING

P.T. 150+48.69

P.I. 147+36.38

P.I. 146+55.70

P.I. 145+75.65

EXIST. R/W & C/A

CONST. LIMITS

PROP. R/W & C/A

T.C.E.

TRAFFIC BARRELS

200' TAPER

HWY. 71 RT.

C.L. HWY. 71 STA. 151+03.81 42.00' RT. =
C.L. HWY. 71 RT. STA. 151+03.81

STA. 147+83 INSTALL
18" X 151' TEMP. CULVERT ON RT.
FILL & ABANDON AFTER STAGE 3

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	69	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.
STA. 168+10 CONSTRUCT TEMP. APPR. = 45 CU. YDS.
TUBULAR MARKERS SPACED 10' O.C.
200' TAPER
HWY. 71
HWY. 71 LT.
PROP. R/W & C/A
EXIST. R/W & C/A
T.C.E.
WHITE CONST. PAVEMENT MARKING
DBL. YELLOW CONST. PAVEMENT MARKING
N 5°38'47" W
TRAFFIC BARRELS
CONST. LIMITS
HWY. 71 RT.
STA. 168+29 INSTALL 18" X 124' TEMP. CULVERT ON RT. FILL & ABANDON AFTER STAGE 3

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	70	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

175

+50.00
165.00

+00.00
127.67

PROP. R/W & C/A

EXIST. R/W & C/A

TUBULAR MARKERS
SPACED 10' O.C.

180

+65.00
END C/A

+00.00
125.00

+15.00
BEGIN C/A

+80.00
110.00

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT. =
C.L. DETOUR 2 STA. 2000+00.00

END PROP. C/A
+50.00
107.00

+00.00
100' TRANSITION
+00.00

185

TRAFFIC BARRELS
SPACED 50' O.C.

YELLOW
CONST. PAVEMENT MARKING

190

EXIST. R/W & C/A

N 5°38'47" W

WHITE
CONST. PAVEMENT MARKING

DBL. YELLOW
CONST. PAVEMENT MARKING

6'

N 5°38'47" W

24'

N 5°38'47" W

10'

6'

WHITE
CONST. PAVEMENT MARKING

EXIST. R/W & C/A

CONST. LIMITS

PROP. R/W & C/A

EXIST. R/W & C/A

STA. 184+00.00
END HWY. 71 RT.

END PROP. C/A
BEGIN EXIST. C/A
+80.00
112.00

+00.00
115.50

T.C.E.

+50.00
140.00

+40.00
131.50

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

+00.00
100' TRANSITION
+00.00

STA. 184+00 (HWY. 71 RT.)
BEGIN TEMP. PAVEMENT WIDENING

STA. 189+60 (HWY. 71 RT.)
END TEMP. PAVEMENT WIDENING

TEMP. PAVEMENT WIDENING

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	71	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

190

TRAFFIC BARRELS SPACED 50' O.C.

TRAFFIC BARRELS

195

P.O.E. 195+00.00

P.O.E. 195+00.00

P.O.E.

YELLOW CONST. PAVEMENT MARKING

WHITE CONST. PAVEMENT MARKING

STAGE 2
MAINTENANCE OF TRAFFIC DETAILS

MM417I5 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	72	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT

CONSTRUCTION PAVEMENT MARKINGS = 28448 LIN. FT
REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS = 121 LIN. FT

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

C.L. HWY. 71 LT. STA. 107+50.00 4.50' RT =
C.L. DETOUR 3 STA. 3000+00.00

P.I. 109+29.26

EXIST. R/W

TRAFFIC BARRELS
SPACED 50' O.C.

100' TRANSITION

P.O.B. 100+00.00

N 8°36'13" E

P.C. 100+44.48

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

INSTALL TIAB

P.C. 3000+00.00

N 19°11'11" E

STA. 108+20.00
BEGIN HWY. 71 LT.

REMOVE EXIST. GUARDRAIL

STA. 3000+28.10
BEGIN DETOUR 3

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) W1-6 (48" X 24")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.

P.I. 3005+15.31

N 34°41'13" E

(BEGIN EXIST. C/A) 272.68 +57.68

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

P.I. 111+12.07

N 49°23'09" E

N 34°15'59" E

P.O.B. 100+00.00

N 5°53'43" E

P.C. 105+32.76

+72.28

100' TRANSITION

TRAFFIC BARRELS
SPACED 50' O.C.

CONST. LIMITS

P.I. 71+39

N 33°50'13" E

P.O.B. 100+00.00

N 3°11'43" E

EXIST. R/W

PROP. R/W

P.C. 109+72.28

+44.77
270.09

CONST. LIMITS

PROP. R/W & C/A

+20.00
210.00

+50.00
BEGIN PROP. C/A

+20.00
190.00

+36.00
END C/A

+86.00
BEGIN C/A

+47.04
195.00

P.T. 115+56.09

+87.00
END C/A

+37.00
BEGIN C/A

WHITE
CONST. PAVEMENT MARKING

YELLOW
CONST. PAVEMENT MARKING

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	73	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

ROAD CLOSED
(1) RII-2 (48" X 30")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.

HWY. 71
HWY. 71 LT.
HWY. 71 RT.

P.T. 117+83.37
P.C. 3010+26.65
P.T. 3010+06.65
P.I. 3015+87.40
P.I. 3015+44.95
P.T. 3015+56.09

N 33°50'13" E
N 34°41'13" E
N 34°15'59" E

PROP. R/W & C/A
EXIST. R/W & C/A
CONST. LIMITS

WHITE CONST. PAVEMENT MARKING
C.L. HWY. 71 RT. STA. 122+04.11 4.50' LT =
C.L. DETOUR 3 STA. 3015+44.95

DBL. YELLOW CONST. PAVEMENT MARKING

TRAFFIC BARRELS SPACED 50' O.C.

STA. 3014+43.09
END DETOUR 3

100' TAPER
200' TAPER

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	74	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

HWY. 71
HWY. 71 LT.
HWY. 71 RT.
N 34°41' 13" E
N 34°15' 59" E
N 33°50' 13" E
WHITE CONST. PAVEMENT MARKING
DBL. YELLOW CONST. PAVEMENT MARKING
TRAFFIC BARRELS SPACED 50' O.C.
ROAD CLOSED
(1) RII-2 (48" X 30")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.
PROP. R/W & C/A
EXIST. R/W & C/A
CONST. LIMITS
P.C. 141+93.38
P.C. 140+61.61
P.C. 148+35.56
200' TAPER

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	75	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

C.L. HWY. 71 STA. 151+03.81 42.00' LT. =
C.L. HWY. 71 LT. STA. 151+03.81

HWY. 71
HWY. 71 LT.
200' TAPER
P.T. 151+03.81
PROP. R/W & C/A
EXIST. R/W & C/A
N 5°38'47" W
WHITE CONST. PAVEMENT MARKING
YELLOW CONST. PAVEMENT MARKING
TRAFFIC BARRELS SPACED 50' O.C.
P.T. 150+80.33
P.T. 150+48.69
P.I. 147+36.38
P.I. 146+55.70
P.I. 145+75.65
CONST. LIMITS
T.C.E.
200' TAPER
HWY. 71 RT.
C.L. HWY. 71 STA. 151+03.81 42.00' RT. =
C.L. HWY. 71 RT. STA. 151+03.81

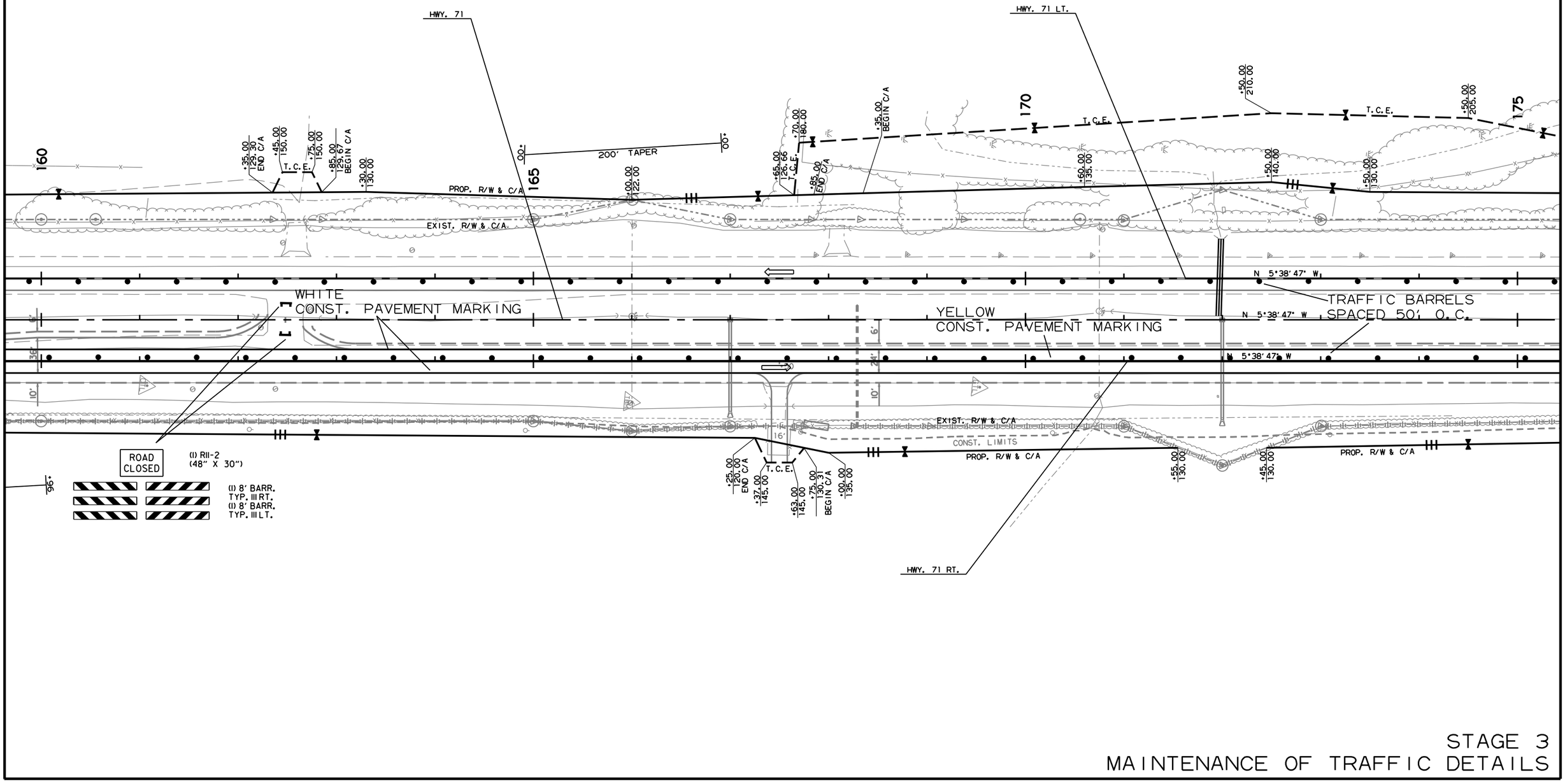
+99.00 160.00
+07.00 END C/A
+57.00 BEGIN C/A
+82.93 130.00
+40.00 120.00
+75.00 END C/A
+25.00 BEGIN C/A
+80.00 160.00
+17.00 END C/A
+67.00 BEGIN C/A
+10.00 148.88
+50.61 148.46
+00.00 140.00
+20.00 110.00
+35.00 275.00
+55.00 275.00

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	76	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	77	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

175 180 185 190 4000 4005

+50.00 165.00
+00.00 127.67
PROP. R/W & C/A
EXIST. R/W & C/A
+65.00 END C/A
+00.00 125.00
+15.00 BEGIN C/A
+80.00 110.00
C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT. =
C.L. DETOUR 2 STA. 2000+00.00
END PROP. C/A
+50.00 107.00
+00 100' TRANSITION +00
ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.
EXIST. R/W & C/A
P.I. 4005+74.41
P.T. 4003+69.22
N 16°43'23" W
P.C. 4003+89.22
P.I. 4001+85.19
N 5°38'47" W
N 5°38'47" W
N 5°38'47" W
N 5°38'47" W
N 5°38'47" W
P.C. 4000+00.00
WHITE CONST. PAVEMENT MARKING
YELLOW CONST. PAVEMENT MARKING
TRAFFIC BARRELS SPACED 50' O.C.
6'
24'
EXIST. R/W & C/A
CONST. LIMITS
PROP. R/W & C/A
STA. 184+00.00
END HWY. 71 RT.
END PROP. C/A
BEGIN EXIST. C/A
+60.00 112.00
+00.00 115.50
+50.00 140.00
T.C.E.
+40.00 131.50
+00 100' TRANSITION +00
C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00
STA. 4000+00.00
BEGIN DETOUR 4
C.L. HWY. 71 RT. STA. 184+00.00 4.50' LT =
C.L. DETOUR 4 STA. 4000+00.00

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	78	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

TRAFFIC BARRELS SPACED 50' O.C.

TRAFFIC BARRELS

190

195

C.L. HWY. 71 L.T. STA. 191+53.48 4.50' RT =
C.L. DETOUR 4 STA. 4007+58.44

P.O.E. 195+00.00

P.O.E. 195+00.00

P.O.E. 195+00.00

N 5°38'47" W

P.T. 4007+58.44

STA. 4007+58.44
END DETOUR 4

STAGE 3
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	79	183
		MAINTENANCE OF TRAFFIC DETAILS				

REMOVAL OF PERMENANT PAVEMENT MARKINGS = 241 LIN. FT
CONSTRUCTION PAVEMENT MARKINGS = 4392 LIN. FT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

P.I. 109+29.26

TRAFFIC BARRELS SPACED 50' O.C.

EXIST. R/W

100' TRANSITION

P.O.B. 100+00.00

N 8°36'13" E

P.C. 100+44.48

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

TIAB

STA. 108+20.00
BEGIN HWY. 71 LT.

WHITE CONST. PAVEMENT MARKING

YELLOW CONST. PAVEMENT MARKING

BEGIN EXIST. C/A
+57.68
272.68

N 34°41'13" E

CONST. LIMITS

16'

30'

100'

P.I. 111+12.07

N 34°15'59" E

ROAD CLOSED

(1) R11-2 (48" X 30")

(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

P.O.B. 100+00.00

N 5°53'43" E

P.C. 105+32.76

+72.28

100' TRANSITION

+72.28

CONST. LIMITS

P.I. 112+71.35

N 33°50'13" E

6'

36'

10'

+25

P.O.B. 100+00.00

N 3°11'13" E

EXIST. R/W

+44.77
270.09

PROP. R/W

P.C. 109+72.28

+20.00
210.00

+50.00
BEGIN PROP. C/A

PROP. R/W & C/A

+20.00
190.00

+36.00
END C/A

+86.00
BEGIN C/A

+47.04
196.00

P.T.

+87.00
END C/A

+37.00
BEGIN C/A

+55.09

TRAFFIC BARRELS

STA. 106+72.28
BEGIN HWY. 71 RT.

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	80	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

HWY. 71

HWY. 71 LT.

HWY. 71 RT.

P.T. 117+83.37

END EXIST. C/A
BEGIN PROP. C/A
+33.80
190.00

+39.00
190.27
END C/A

T.C.E.

+50.00
235.00

+78.00
235.00

+89.06
189.06
BEGIN C/A

PROP. R/W & C/A
CONST. LIMITS
EXIST. R/W & C/A

TRAFFIC BARRELS

+75.00
250.00

+90.00
250.00

+40.00
185.00

T.C.E.

+53.00
END C/A

+13.00
BEGIN C/A

+35.00
188.26

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

WHITE
CONST. PAVEMENT MARKING

YELLOW
CONST. PAVEMENT MARKING

+47.04
195.00
P.T.

+87.00
END C/A

+37.00
BEGIN C/A

+40.00
END C/A

+90.00
BEGIN C/A

+00
100' TAPER
+00

STA. 127+43 INSTALL
24" X 48' TEMP. CULVERT &
24" X 48' TEMP. CULVERT
CONSTRUCT TEMP. APPR. = 600 CU. YDS.
REMOVE AFTER STAGE 4

TUBULAR MARKERS
SPACED 10' O.C.

+40.00
190.00

+00
200' TAPER
+00

+30.00
30.00

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	81	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

HWY. 71

HWY. 71 LT.

TRAFFIC BARRELS

N 34°41' 13" E

N 34°15' 59" E

N 33°50' 13" E

WHITE
CONST. PAVEMENT MARKING

DBL. YELLOW
CONST. PAVEMENT MARKING

STA. 133+63 INSTALL
18" X 28' TEMP. CULVERT
CONSTRUCT TEMP. APPR. = 215 CU. YDS.
REMOVE AFTER STAGE 4

TUBULAR MARKERS
SPACED 10' O.C.

HWY. 71 RT.

PROP. R/W & C/A

CONST. LIMITS

EXIST. R/W & C/A

P.C. 141+93.38

P.C. 140+61.61

P.C. 148+35.56

200' TAPER

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	82	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 151+72 INSTALL
18" X 99' TEMP. CULVERT ON LT.
FILL & ABANDON AFTER STAGE 4

C.L. HWY. 71 STA. 151+03.81 42.00' LT. =
C.L. HWY. 71 LT. STA. 151+03.81

HWY. 71

HWY. 71 LT.

200' TAPER

TRAFFIC BARRELS

P.I. 151+03.81

+40.00
120.00

+75.00
END C/A

+25.00
BEGIN C/A

PROP. R/W & C/A

CONST. LIMITS

EXIST. R/W & C/A

N 5°38'47" W

P.T. 150+80.33

P.T. 150+48.69

P.I. 147+36.38

P.I. 146+55.70

P.I. 145+75.65

+80.00
160.00

+17.00
END C/A

+67.00
BEGIN C/A

+10.00
148.88

+50.61
148.46

T.C.E.

+35.00
275.00

+55.00
275.00

+00.00
140.00

+20.00
110.00

WHITE
CONST. PAVEMENT MARKING

DBL. YELLOW
CONST. PAVEMENT MARKING

TUBULAR MARKERS
SPACED 10' O.C.

STA. 152+60 CONSTRUCT
TEMP. APPR. = 135 CU. YDS.

C.L. HWY. 71 STA. 151+03.81 42.00' RT. =
C.L. HWY. 71 RT. STA. 151+03.81

HWY. 71 RT.

96'

200' TAPER

96'

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	83	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 168+29 INSTALL
18" X 106' TEMP. CULVERT ON LT.
FILL & ABANDON AFTER STAGE 4

TRAFFIC BARRELS

200' TAPER

TUBULAR MARKERS
SPACED 10' O.C.

STA. 162+00 CONSTRUCT
TEMP. APPR. = 90 CU. YDS.

DRY LANE

HWY. 71

HWY. 71 LT.

HWY. 71 RT.

PROP. R/W & C/A

CONST. LIMITS

EXIST. R/W & C/A

T.C.E.

P.O.B. 10+00.00

P.I. 14+33.92
Δ = 6°58'23" RT.

N 9°11'31" W

N 2°13'08" W

N 5°38'47" W

+35.00 129.30 END C/A

+45.00 150.00

+75.00 150.00

+85.00 129.67 BEGIN C/A

+30.00 130.00

+00.00 122.00

+70.00 180.00

+65.00 126.66

+85.00 END C/A

+35.00 BEGIN C/A

+50.00 210.00

+50.00 205.00

+50.00 140.00

+50.00 130.00

+25.00 120.00 END C/A

+37.00 145.00

+63.00 145.00

+75.00 130.31 BEGIN C/A

+00.00 135.00

+55.00 130.00

+45.00 130.00

160 165 170 175

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	84	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 181+20 INSTALL
18" X 97' TEMP. CULVERT ON LT.
FILL & ABANDON AFTER STAGE 4

NOTE: REFER TO STANDARD DRAWING TC-2 (B)
FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

175 180 185 190

P.O.E. 18+50.00
50.00
165.00
100.00
127.67
20'
08" W

TRAFFIC BARRELS

PROP. R/W & C/A
CONST. LIMITS
EXIST. R/W & C/A

65.00
END C/A
100.00
125.00
115.00
BEGIN C/A
80.00
110.00

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT. =
C.L. DETOUR 2 STA. 2000+00.00

END PROP. C/A
50.00
107.00

100' TRANSITION

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) W1-6 (48" X 24")
(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III RT.

TRAFFIC BARRELS SPACED 50' O.C.

EXIST. R/W & C/A

16'
10'
10'
24'
24'
6'
6'
6'
90°
N 5°38'47" W
N 5°38'47" W
N 5°38'47" W
12'
12'
2'
2'
4'

RELOCATE T.I.A.B.

EXIST. R/W & C/A
CONST. LIMITS
PROP. R/W & C/A

RELOCATE 433' P.C.C.B.
(INCLUDES 1 SPECIAL END UNIT)

EXIST. R/W & C/A

S.E.U.

WHITE CONST. PAVEMENT MARKING

DBL. YELLOW CONST. PAVEMENT MARKING

TUBULAR MARKERS SPACED 10' O.C.

STA. 184+00.00
END HWY. 71 RT.

END PROP. C/A
BEGIN EXIST. C/A
80.00
112.00
100.00
115.50
50.00
140.00
T.C.E.
40.00
131.50

WHITE CONST. PAVEMENT MARKING

YELLOW CONST. PAVEMENT MARKING

100' TRANSITION

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

STA. 180+30 CONSTRUCT
TEMP. APPR. = 155 CU. YDS.

200' LANE SHIFT

200' LANE SHIFT

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	85	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

NOTE: REFER TO STANDARD DRAWING TC-2 (B) FOR FURNISHING SIGNS THROUGHOUT CROSSOVER

WHITE CONST. PAVEMENT MARKING

YELLOW CONST. PAVEMENT MARKING

TRAFFIC BARRELS SPACED 50' O.C.

190

195

P.O.E. 195+00.00

P.O.E. 195+00.00

P.O.E. 195+00.00

TRAFFIC BARRELS

STAGE 4
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	86	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

CONSTRUCTION PAVEMENT MARKINGS = 15555 LIN. FT
REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS = 160 LIN. FT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

EXIST. R/W

P.I. 109+29.26

100' TRANSITION

ROAD CLOSED

(1) R11-2 (48" X 30")

(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

BEGIN EXIST. C/A 272.68 +57.68

P.O.B. 100+00.00

N 8°36' 13" E

P.C. 100+44.48

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

INSTALL GUARDRAIL

STA. 108+20.00
BEGIN HWY. 71 LT.

WHITE
CONST. PAVEMENT MARKING

N 34°41' 13" E

CONST. LIMITS

P.I. 111+12.07

N 34°15' 59" E

YELLOW
CONST. PAVEMENT MARKING

TRAFFIC BARRELS
SPACED 50' O.C.

P.O.B. 100+00.00

N 5°53' 43" E

P.C. 105+32.76

100' TRANSITION

P.I. 112+71.35

N 33°50' 13" E

P.O.B. 100+00.00

N 3°11' 13" E

EXIST. R/W

PROP. R/W

P.C. 109+72.28

PROP. R/W & C/A

BEGIN PROP. C/A 270.09 +44.77

-20.00 210.00

+50.00 PROP. C/A

-20.00 190.00

+36.00 END C/A

+86.00 BEGIN C/A

+47.00 195.00

P.T. 115+56.09

+87.00 END C/A

+37.00 BEGIN C/A

ROAD CLOSED

(1) R11-2 (48" X 30")

(1) 8' BARR. TYP. III RT.
(1) 8' BARR. TYP. III LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

WHITE
CONST. PAVEMENT MARKING

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	87	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

OBLITERATION OF PAVEMENT

WHITE CONST. PAVEMENT MARKING

YELLOW CONST. PAVEMENT MARKING

TRAFFIC BARRELS SPACED 50' O.C.

HWY. 71 LT.

HWY. 71

HWY. 71 RT.

PROP. R/W & C/A

CONST. LIMITS

EXIST. R/W & C/A

END EXIST. C/A
BEGIN PROP. C/A
+33.80
190.00

P.T. 117+83.37

+39.00
189.27
END C/A

T.C.E.
+50.00
235.00

+78.00
235.00

+89.06
189.06
BEGIN C/A

+47.04
195.00
P.T.

15+56.09

+87.00
END C/A

+37.00
BEGIN C/A

+40.00
END C/A

+90.00
BEGIN C/A

100' TAPER

+00

+00

+40.00
190.00

200' TAPER

+00

+00

+40.00
185.00

T.C.E.

+75.00
250.00

+90.00
250.00

+13.00
BEGIN C/A

+35.00
188.26

+30.00
30.00

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	88	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

HWY. 71

HWY. 71 LT.

HWY. 71 RT.

WHITE
CONST. PAVEMENT MARKING

YELLOW
CONST. PAVEMENT MARKING

TRAFFIC BARRELS
SPACED 50' O.C.

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

PROP. R/W & C/A

EXIST. R/W & C/A

CONST. LIMITS

P.C. 141+93.38

P.C. 140+61.61

P.C. 148+35.56

+31.36
195.00

+83.00
180.00
END C/A

+95.00
200.00
P.C.

+20.00
200.00

+33.98
181.98
BEGIN C/A

+64.27
190.00

+30.00
200.00

+40.00
186.59

+59.00
159.00
END C/A

+19.00
BEGIN C/A

+47.63
185.00
P.C.

+80.00
255.00

+10.00
255.00

+40.00
200.00

+00.00
175.00

+00.00
160.00

+77

200' TAPER

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	89	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

C.L. HWY. 71 STA. 151+03.81 42.00' LT. =
C.L. HWY. 71 LT. STA. 151+03.81

HWY. 71

HWY. 71 LT.

200' TAPER

P.T. 151+03.81

+75.00 END C/A

+25.00 BEGIN C/A

+40.00 120.00

PROP. R/W & C/A

CONST. LIMITS

EXIST. R/W & C/A

N 5°38'47" W

P.T. 150+80.33

P.T. 150+48.69

WHITE CONST. PAVEMENT MARKING

YELLOW CONST. PAVEMENT MARKING

TRAFFIC BARRELS SPACED 50' O.C.

+99.00 160.00

+07.00 END C/A

+57.00 BEGIN C/A

+82.93 130.00

P.I. 145+75.65

P.I. 146+55.70

P.I. 147+36.38

+80.00 160.00

+17.00 END C/A

+67.00 BEGIN C/A

T.C.E.

+10.00 148.88

+50.61 148.46

+00.00 140.00

+20.00 110.00

+35.00 275.00

+55.00 275.00

C.L. HWY. 71 STA. 151+03.81 42.00' RT. =
C.L. HWY. 71 RT. STA. 151+03.81

HWY. 71 RT.

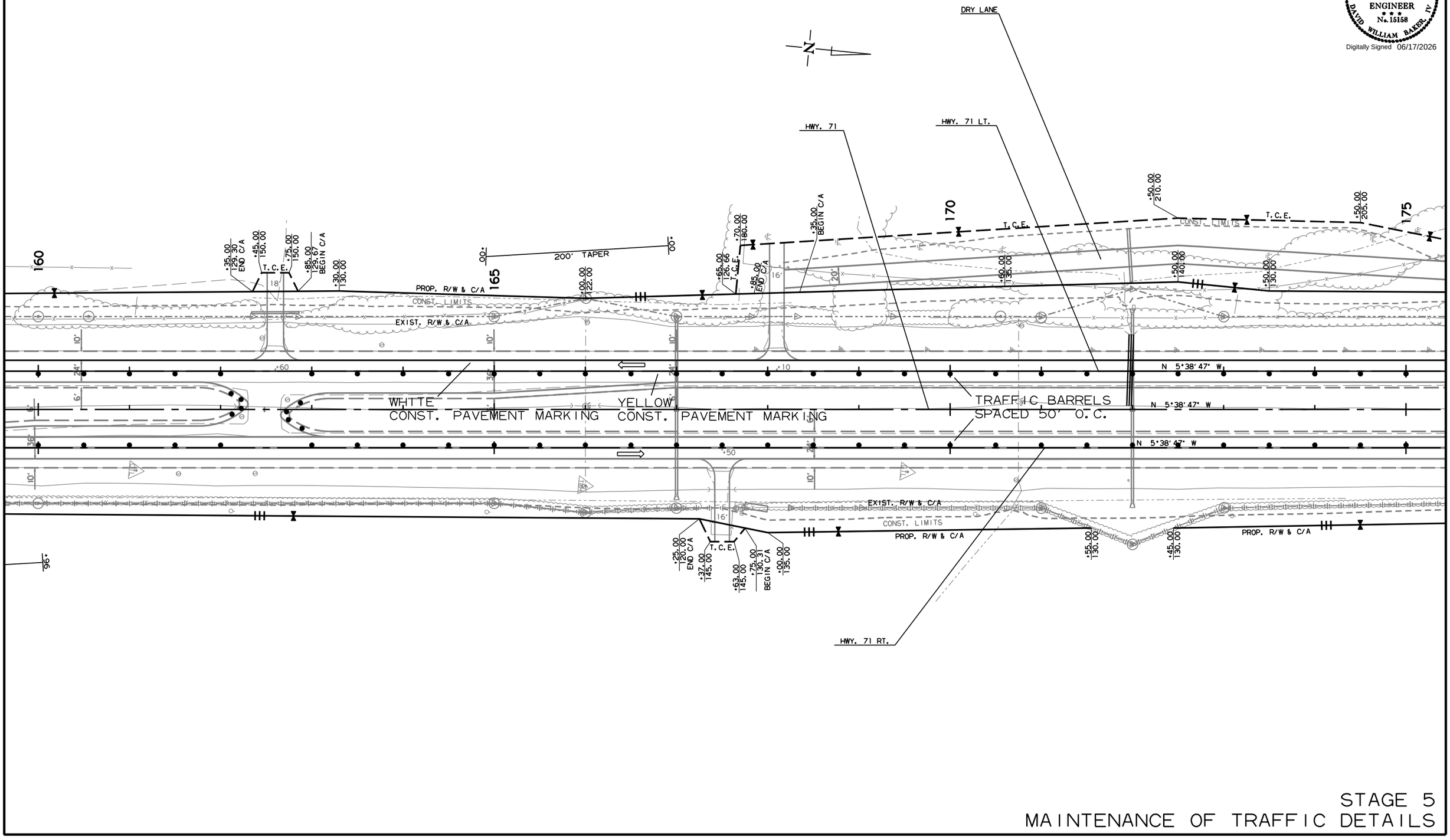
200' TAPER

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	90	183
		MAINTENANCE OF TRAFFIC DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026



STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	91	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

175 180 185 190

150.00 165.00
100.00 127.67
65.00 END C/A
100.00 125.00
115.00 BEGIN C/A
80.00 110.00
END PROP. C/A 50.00 107.00
100' TRANSITION .00 .00

PROP. R/W & C/A
CONST. LIMITS
EXIST. R/W & C/A
20'
16'
10'
24'
6'
+90.

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT. =
C.L. DETOUR 2 STA. 2000+00.00

N 5°38'47" W

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) W1-6 (48" X 24")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.

WHITE CONST. PAVEMENT MARKING
YELLOW CONST. PAVEMENT MARKING
TRAFFIC BARRELS SPACED 50' O.C.

STA. 184+00.00
END HWY. 71 RT.

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

END PROP. C/A
BEGIN EXIST. C/A
80.00 112.00
100.00 115.50
150.00 140.00
T.C.E.
140.00 131.50
100' TRANSITION .00 .00

ROAD CLOSED
(1) R11-2 (48" X 30")
(1) 8' BARR. TYP. III LT.
(1) 8' BARR. TYP. III LT.

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	92	183
		MAINTENANCE OF TRAFFIC DETAILS				

OBLITERATION OF PAVEMENT

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

TRAFFIC BARRELS SPACED 50' O.C.

190

195

P.O.E. 195+00.00

P.O.E. 195+00.00

P.O.E. 195+00.00

STAGE 5
MAINTENANCE OF TRAFFIC DETAILS

MM4171S 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	93	183

PERMANENT PAVEMENT MARKING DETAILS

PERMANENT PAVEMENT MARKINGS

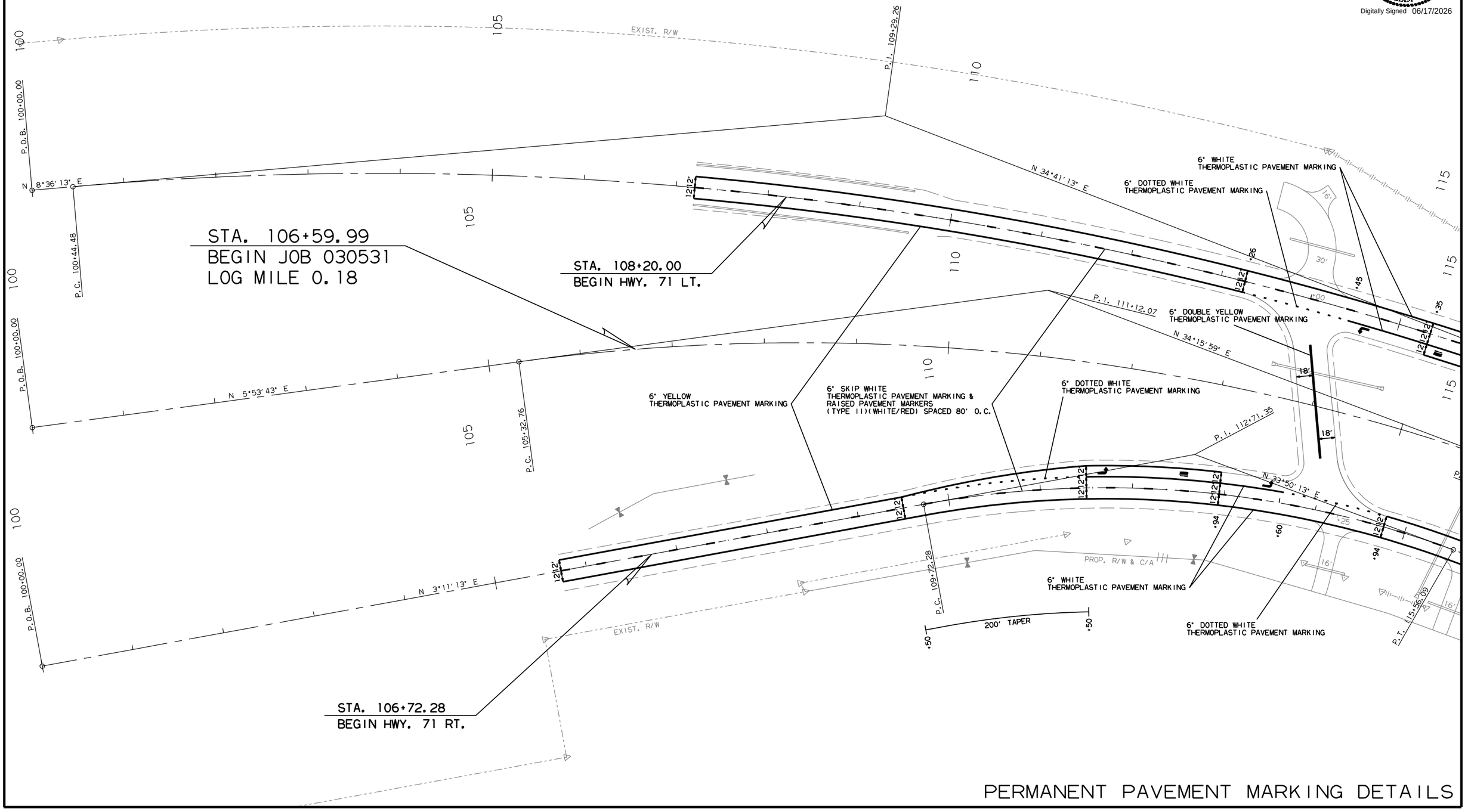
RAISED PAVEMENT MARKERS TYPE II (WHI/RED) (80' O.C.) = 197 EACH
THERMOPLASTIC PAVEMENT MARKING WHITE (6") = 21368 LIN. FT.
THERMOPLASTIC PAVEMENT MARKING YELLOW (6") = 15464 LIN. FT.
THERMOPLASTIC PAVEMENT MARKING (WORDS) = 6 EACH
THERMOPLASTIC PAVEMENT MARKING (ARROWS) = 12 EACH

12' / 3' — 6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

ARROW THERMOPLASTIC PAVEMENT MARKING

WORD THERMOPLASTIC PAVEMENT MARKING

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PERMANENT PAVEMENT MARKING DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	94	183

PERMANENT PAVEMENT MARKING DETAILS

12' / 3' — 6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

ARROW THERMOPLASTIC PAVEMENT MARKING

WORD THERMOPLASTIC PAVEMENT MARKING

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6" WHITE THERMOPLASTIC PAVEMENT MARKING

200' TAPER

200' TAPER

6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

P.T. 117+83.37

P.T. 116+67.60

6" YELLOW THERMOPLASTIC PAVEMENT MARKING

P.T. 115+56.09

6" SKIP WHITE THERMOPLASTIC PAVEMENT MARKING & RAISED PAVEMENT MARKERS (TYPE III)(WHITE/RED) SPACED 80' O.C.

HWY. 71 LT.

HWY. 71

HWY. 71 RT.

6" WHITE THERMOPLASTIC PAVEMENT MARKING

PROP. R/W & C/A

EXIST. R/W & C/A

T.C.E.

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	95	183

PERMANENT PAVEMENT MARKING DETAILS

12'
3'
6" DOTTED WHITE
THERMOPLASTIC PAVEMENT MARKING

ARROW
THERMOPLASTIC PAVEMENT MARKING

WORD
THERMOPLASTIC PAVEMENT MARKING

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HWY. 71 LT.

HWY. 71

HWY. 71 RT.

N 34°41'13" E

N 34°15'59" E

N 33°50'13" E

6" YELLOW
THERMOPLASTIC PAVEMENT MARKING

6" SKIP WHITE
THERMOPLASTIC PAVEMENT MARKING &
RAISED PAVEMENT MARKERS
(TYPE II)(WHITE/RED) SPACED 80' O.C.

6" WHITE
THERMOPLASTIC PAVEMENT MARKING

6" DOTTED WHITE
THERMOPLASTIC PAVEMENT MARKING

P.C. 143+35.56

P.C. 141+93.38

P.C. 140+61.61

T.C.E.
16'

T.C.E.
20'

PROP. R/W & C/A

EXIST. R/W & C/A

12'

50'

77'

200' TAPER

130 135 140 145

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	96	183

PERMANENT PAVEMENT MARKING DETAILS

STATE OF ARKANSAS
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12'
3'
6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

ARROW THERMOPLASTIC PAVEMENT MARKING

WORD THERMOPLASTIC PAVEMENT MARKING

N

6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

6" WHITE THERMOPLASTIC PAVEMENT MARKING

200' TAPER

6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

HWY. 71 LT.

HWY. 71

P.T. 151+03.81

PROP. R/W & C/A

EXIST. R/W & C/A

N 5°38'47" W

6" DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING

P.T. 150+80.33

P.T. 150+48.69

6" YELLOW THERMOPLASTIC PAVEMENT MARKING

6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

200' TAPER

P.I. 147+36.38

P.I. 146+55.70

P.I. 145+75.65

EXIST. R/W & C/A

PROP. R/W & C/A

T.C.E.

6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

6" SKIP WHITE THERMOPLASTIC PAVEMENT MARKING & RAISED PAVEMENT MARKERS (TYPE I)(WHITE/RED) SPACED 80' O.C.

6" WHITE THERMOPLASTIC PAVEMENT MARKING

HWY. 71 RT.

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PERMANENT PAVEMENT MARKING DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	97	183

PERMANENT PAVEMENT MARKING DETAILS

12'
3'
6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING

ARROW THERMOPLASTIC PAVEMENT MARKING

WORD THERMOPLASTIC PAVEMENT MARKING

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6" WHITE THERMOPLASTIC PAVEMENT MARKING
6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING
200' TAPER
6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING
6" DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
6" YELLOW THERMOPLASTIC PAVEMENT MARKING
6" SKIP WHITE THERMOPLASTIC PAVEMENT MARKING & RAISED PAVEMENT MARKERS (TYPE I)(WHITE/RED) SPACED 80' O.C.
6" WHITE THERMOPLASTIC PAVEMENT MARKING
6" DOTTED WHITE THERMOPLASTIC PAVEMENT MARKING
6" YELLOW THERMOPLASTIC PAVEMENT MARKING
6" WHITE THERMOPLASTIC PAVEMENT MARKING
6" SKIP WHITE THERMOPLASTIC PAVEMENT MARKING & RAISED PAVEMENT MARKERS (TYPE I)(WHITE/RED) SPACED 80' O.C.

P.O.B. 10+00.00
P.O.E. 18+50.00
P.I. 14+33.92
Δ = 6°58'23" RT.

HWY. 71 LT.
HWY. 71
HWY. 71 RT.

T.C.E.
PROP. R/W & C/A
EXIST. R/W & C/A

N 9°11'31" W
N 2°13'08" W
N 5°38'47" W

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

STA. 184+00.00
END HWY. 71 RT.

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PERMANENT PAVEMENT MARKING DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	98	183
		QUANTITIES				

STATE OF ARKANSAS
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No. 15158
DAVID WILLIAM BAKER, IV

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CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5	END OF JOB	REMOVAL OF PERMANENT PAVEMENT MARKINGS	CONSTRUCTION PAVEMENT MARKINGS	REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS	RAISED PAVEMENT MARKERS	THERMOPLASTIC PAVEMENT MARKING			
										TYPE II	6"		WORDS	ARROWS
										(WHITE/RED)	WHITE	YELLOW		
	LIN. FT. - EACH						LIN. FT.		LIN. FT.	EACH	LIN. FT.		EACH	
REMOVAL OF PERMANENT PAVEMENT MARKINGS		8403		241			8644							
CONSTRUCTION PAVEMENT MARKINGS		23264	28448	4392	15555			71659						
REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS			121		160				281					
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)						197				197				
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW)														
THERMOPLASTIC PAVEMENT MARKING WHITE (6")						21368					21368			
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")						15464						15464		
THERMOPLASTIC PAVEMENT MARKING (WORDS)						6							6	
THERMOPLASTIC PAVEMENT MARKING (ARROWS)						12								12
TOTALS:							**8644**	**71659**	**281**	**197**	**21368**	**15464**	**6**	**12**

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

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	TUBULAR MARKERS	TRAFFIC DRUMS	BARRICADES (TYPE III)		FURNISHING & INSTALLING PRECAST CONC. BARRIER	RELOCATING PRECAST CONCRETE BARRIER	TEMPORARY IMPACT ATTENUATION BARRIER	* TEMP. IMPACT ATTEN.BARR. (REPAIR)	TEMP. IMPACT ATTEN.BARR. (RELOCATION)	* ADVANCE WARNING ARROW PANEL	* PORTABLE CHANGEABLE MESSAGE SIGN	* PORTABLE CONSTRUCTION LIGHTING	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
														RIGHT	LEFT								
			LIN. FT. - EACH						NO.	SQ. FT.	EACH					LIN. FT.			EACH		DAY	WEEK	DAY	EACH
W20-1	ROAD WORK AHEAD	48"x48"	4	4	4	4	4	4	4	64.0													
G20-2	END ROAD WORK	48"x24"	2	2	2	2	2	2	2	16.0													
G20-1	ROAD WORK NEXT xx MILES	60"x24"	2	2	2	2	2	2	2	20.0													
G20-5aP	WORK ZONE	36"x24"	4	4	4	4	4	4	4	24.0													
W1-4	REVERSE CURVE RT.	48"x48"		1		1		1	1	16.0													
W1-4	REVERSE CURVE LT.	48"x48"		1		1		1	1	16.0													
W13-1	SPEED LIMIT (ADVISORY)	30"x30"		2		2		2	2	12.5													
R11-2	ROAD CLOSED	48"x30"	7	6	12	3	4	12	12	120.0													
W1-6	LARGE ARROW	48"x24"		1	1	1	1	1	1	8.0													
W1-6	LARGE ARROW	60"x30"	6	6	6	6	6	6	6	75.0													
W1-8	CHEVRONS	36"x48"		6		6		6	6	72.0													
W3-5	50 M.P.H. AHEAD	48"x48"	4	4	4	4	4	4	4	64.0													
W4-2 RT.	MERGE LT.	48"x48"	4	4	4	4	4	4	4	64.0													
W6-3	TWO WAY TRAFFIC	48"x48"		4		4		4	4	64.0													
R2-1	SPEED LIMIT 50	48"x60"	4	4	4	4	4	4	4	80.0													
R2-1	SPEED LIMIT 60	48"x60"	4	4	4	4	4	4	4	80.0													
R2-6aP	FINES DOUBLE WHEN WORKERS ARE PRESENT	48"x36"	4	4	4	4	4	4	4	48.0													
R2-11	END HIGHER FINES ZONE	36"x48"	4	4	4	4	4	4	4	48.0													
R4-1	DO NOT PASS	48"x60"	12	12	12	12	12	12	12	240.0													
R4-7a	KEEP RIGHT ARROW	48"x60"		1		1		1	1	20.0													
R5-1	DO NOT ENTER	48"x48"		2		2		2	2	32.0													
R10-19aP	PHOTO ENFORCED	48"x36"	2	2	2	2	2	2	2	24.0													
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	8	8	8	8	8	8	8	128.0													
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	8	8	8	8	8	8	8	128.0													
W20-5	RIGHT LANE CLOSED 1500 FT.	48"x48"	8	8	8	8	8	8	8	128.0													
WZ-1	NOTICE TRAFFIC LAWS PHOTO ENFORCED WORK ZONE	84"x60"	4	4	4	4	4	4	4	140.0													
WZ-4	STATE LAW NO HAND-HELD PHONE USE BY DRIVER WORK ZONE	36"x54"	4	4	4	4	4	4	4	54.0													
W21-5a	SHOULDER CLOSED	36"x36"	2	2	2	2	2	2	2	18.0													
W8-1	BUMP	30"x30"	2	2	2	2	2	2	2	12.5													
SPECIAL	MERGE NOW ARROW	48"x48"	2	2	2	2	2	2	2	32.0													
SPECIAL	CONSTRUCTION PROJECT INFORMATION SIGN	96"x48"	2	2	2	2	2	2	2	64.0													
	CONSTRUCTION PROJECT INFORMATION UPDATE										10												
	TUBULAR MARKERS			582		579		582				582											
	TRAFFIC DRUMS		493	407	511	370	522	522					522										
	TYPE III BARRICADE-RT. (8')		5	7	6	4	2	7						56									
	TYPE III BARRICADE-LT. (8')		13	5	18	2	6	18							144								
	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER			433				433								433							
	RELOCATING PRECAST CONCRETE BARRIER					433		433									433						
	TEMPORARY IMPACT ATTENUATION BARRIER			1				1										1					
	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)			1		1		2											2				
	TEMPORARY IMPACT ATTENUATION BARRIER (RELOCATION)					1		1												1			
	ADVANCE WARNING ARROW PANEL		2	2	2	2	2	2													1092		
	PORTABLE CHANGEABLE MESSAGE SIGN		2	2	2	2	2	2														156	
	PORTABLE CONSTRUCTION LIGHTING			4		4		4															1456
	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)		2	2	2	2	2	2															2
TOTALS:										**1912.0**	**10**	**582**	**522**	**56**	**144**	**433**	**433**	**1**	**2**	**1**	**1092**	**156**	**1456**	**2**

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

* QUANTITY ESTIMATED.

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	99	183
		QUANTITIES				

STATE OF ARKANSAS
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No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

REMOVAL AND DISPOSAL OF ITEMS

STATION	STATION	LOCATION	CURB AND GUTTER	WALLS	CONCRETE PAVEMENT	CONCRETE ISLANDS	SIGN FOUNDATIONS	CONCRETE DITCH PAVING	GUARDRAIL	SEPTIC TANK	WELL HOUSE	RADIO TOWER	BUILDINGS	WEIGH SCALES	SIGNS
			LIN. FT.	LIN. FT.	SQ. YD.	SQ. YD.	EACH	SQ. YD.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH
107+20	113+09	LT. OF HWY. 71 LT.							589						
107+20	113+19	RT. OF HWY. 71 LT.							599						
114+24	141+50	HWY. 71 WEIGH STATION	3985		16531	1367	17			1	1	1	1	2	17
115+12	117+39	LT. OF HWY. 71 LT.							227						
147+23	147+30	LT. OF HWY. 71 LT.		13											
147+54	147+62	LT. OF HWY. 71 LT.		15											
181+00	185+00	HWY. 71						267							
181+00	185+00	RT. OF HWY. 71 RT.						267							
186+00	187+00	HWY. 71						67							
TOTALS:			3985	28	16531	1367	17	601	1415	1	1	1	1	2	17

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.

REMOVAL AND DISPOSAL OF FENCE

STATION	STATION	LOCATION	FENCE	GATES
			LIN. FT.	EACH
116+33	136+32	HWY. 71 LT.	2003	
136+32	136+60	HWY. 71 LT.	45	
136+32	147+11	HWY. 71 LT.	1028	
	147+33	HWY. 71 LT.		1
147+53	159+23	HWY. 71 LT.	1144	
159+23	159+24	HWY. 71 LT.	26	
159+51	166+03	HWY. 71 LT.	654	
167+25	168+18	HWY. 71 LT.	93	
167+74	175+87	HWY. 71 LT.	840	
169+78	182+17	HWY. 71 LT.	1239	
	173+14	HWY. 71 LT.		1
106+54	107+91	HWY. 71 RT.	127	
108+11	140+45	HWY. 71 RT.	3207	
	140+45	HWY. 71 RT.	25	
140+45	167+38	HWY. 71 RT.	2783	
	167+38	HWY. 71 RT.	15	
	167+62	HWY. 71 RT.	19	
167+62	171+55	HWY. 71 RT.	400	
172+45	181+29	HWY. 71 RT.	906	
181+29	182+80	HWY. 71 RT.	151	
183+34	183+82	HWY. 71 RT.	50	
TOTALS:			14755	2

REMOVAL AND DISPOSAL OF CULVERTS AND DROP INLETS

STATION	DESCRIPTION	PIPE CULVERTS	BOX CULVERTS	DROP INLETS
		EACH	EACH	EACH
13+80	LT. OF HWY. 71	1		
113+78	LT. OF HWY. 71	1		
113+87	LT. OF HWY. 71	1		
114+58	RT. OF HWY. 71	1		
115+89	RT. OF HWY. 71	1		
116+14	RT. OF HWY. 71	1		
117+64	LT. OF HWY. 71	1		
121+65	RT. OF HWY. 71	1		
127+89	LT. OF HWY. 71	1		
130+59	HWY. 71	3	1	2
134+18	LT. OF HWY. 71	1		
137+63	LT. OF HWY. 71		1	
137+63	RT. OF HWY. 71		1	
139+93	RT. OF HWY. 71	1		
144+18	LT. OF HWY. 71		1	
147+25	RT. OF HWY. 71	1		
147+38	HWY. 71	1		
147+47	LT. OF HWY. 71	1		
152+00	LT. OF HWY. 71	1		
162+50	HWY. 71	1		
162+60	LT. OF HWY. 71	1		
166+00	HWY. 71	4		1
167+50	RT. OF HWY. 71	1		
168+10	LT. OF HWY. 71	1		
170+75	HWY. 71	3		1
172+00	LT. OF HWY. 71		1	
180+90	LT. OF HWY. 71	1		
TOTALS:		30	5	4

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

CLEARING AND GRUBBING

STATION	STATION	LOCATION	CLEARING	GRUBBING
			STATION	
106+60	184+00	RT. OF HWY.. 71 RT.	78	78
TOTALS:			78	78

SOIL STABILIZATION

STATION	STATION	LOCATION / DESCRIPTION	SOIL STABILIZATION
			TON
ENTIRE	PROJECT	TO BE USED IF AND WHERE	1000
		DIRECTED BY THE ENGINEER	
TOTAL:			1000

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

EARTHWORK

STATION	STATION	LOCATION / DESCRIPTION	UNCLASSIFIED EXCAVATION	COMPACTED EMBANKMENT
			CU. YD.	
ENTIRE	PROJECT	STAGE 1-CROSSOVERS	594	3095
ENTIRE	PROJECT	STAGE 2-MAIN LANES	8703	167364
ENTIRE	PROJECT	STAGE 3-CROSSOVERS	2934	5091
ENTIRE	PROJECT	STAGE 4-MAIN LANES	8494	139950
ENTIRE	PROJECT	STAGE 5-CROSSOVERS	6341	1814
ENTIRE	PROJECT	APPROACHES		8340
ENTIRE	PROJECT	TEMPORARY APPROACHES		6870
10+00	18+30	DRY LANE	970	5447
TOTALS:			28036	337971

4" PIPE UNDERDRAIN

STATION	STATION	LOCATIONS	4" PIPE UNDERDRAINS	UNDERDRAIN OUTLET PROTECTORS
			LIN. FT.	EACH
* ENTIRE PROJECT TO BE USED IF AND			4000	16
WHERE DIRECTED BY THE ENGINEER				
TOTALS:			4000	16

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

UNDERDRAINS SHALL BE STUBBED INTO THE PROPOSED DROP INLET IF AND WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS TO BE INCLUDED IN THE UNIT PRICE BID FOR 4" PIPE UNDERDRAIN.

GUARDRAIL

STATION	STATION	LOCATION	GUARDRAIL (TYPE A)	GUARDRAIL TERMINAL (TYPE 2)
			LIN. FT.	EACH
107+20.00	109+57.00	LT. SIDE OF HWY. 71 LT.	200	1
107+20.00	109+57.00	RT. SIDE OF HWY. 71 LT.	200	1
TOTALS:			400	2

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QUANTITIES

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	100	183
		QUANTITIES				

SELECTED PIPE BEDDING

LOCATION	SELECTED PIPE BEDDING
	CU.YD.
ENTIRE PROJECT TO BE USED IF	
AND WHERE DIRECTED BY THE	300
ENGINEER	
TOTAL:	**300**

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

RUMBLE STRIPS IN ASPHALT SHOULDERS

STATION	STATION	LOCATION	* RUMBLE STRIPS IN ASPHALT SHOULDERS
			LIN.FT.
107+20	186+00	LT OF HWY. 71 LT.	7182
107+20	113+26	RT OF HWY. 71 LT.	606
118+55	146+79	RT OF HWY. 71 LT.	2824
152+00	161+77	RT OF HWY. 71 LT.	977
167+00	186+68	RT OF HWY. 71 LT.	1968
188+84	191+54	RT OF HWY. 71 LT.	270
105+72	109+50	LT OF HWY. 71 RT.	378
114+76	121+00	LT OF HWY. 71 RT.	624
129+00	142+77	LT OF HWY. 71 RT.	1377
148+10	157+96	LT OF HWY. 71 RT.	986
163+19	186+64	LT OF HWY. 71 RT.	2345
105+72	186+00	RT OF HWY. 71 RT.	7694
TOTAL:			**27231**

* QUANTITY ESTIMATED.

FENCING

STATION	STATION	LOCATION	WIRE FENCE (TYPE A)	WIRE FENCE (TYPE D-1)	* 16'-0" GATES
			LIN. FT.		EACH
116+34	183+50	HWY. 71 LT.	6623		6
167+74	175+87	HWY. 71 LT.		816	
105+88	107+87	HWY. 71 RT.	193		1
108+11	171+55	HWY. 71 RT.	6392		4
172+45	182+80	HWY. 71 RT.	1035		
183+34	183+82	HWY. 71 RT.	50		
TOTALS:			**14293**	**816**	**11**

* DENOTES ALTERNATE BID ITEM.

COLD MILLING ASPHALT PAVEMENT

STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
107+20.00	108+20.00	HWY. 71 LT.	38.00	422.22
184+00.00	185+00.00	HWY. 71 LT.	38.00	422.22
105+72.28	106+72.28	HWY. 71 RT.	38.00	422.22
184+00.00	185+00.00	HWY. 71 RT.	38.00	422.22
TOTAL:				**1688.88**

NOTE: COORDINATE COLD MILLING STOCKPILE LOCATIONS WITH DISTRICT ENGINEER.
STOCKPILE LOCATIONS SHALL BE NO FURTHER THAN FIVE MILES FROM EACH SITE.

EROSION CONTROL MATTING

STATION	STATION	LOCATION	LENGTH	CLASS 3
			LIN. FT.	SQ. YD.
127+00.00	130+90.00	RT. SIDE OF HWY. 71 LT.	390.00	346.67
133+40.00	134+50.00	LT. SIDE OF HWY. 71 LT.	110.00	97.78
134+00.00	137+10.00	LT. SIDE OF HWY. 71 RT.	310.00	275.56
134+50.00	137+95.00	RT. SIDE OF HWY. 71 LT.	345.00	306.67
137+00.00	137+95.00	LT. SIDE OF HWY. 71 LT.	95.00	84.44
137+45.00	139+30.00	RT. SIDE OF HWY. 71 RT.	185.00	164.44
145+76.00	146+98.00	HWY. 71 MEDIAN	122.00	108.44
167+50.00	168+00.00	RT. SIDE OF HWY. 71 RT.	50.00	44.44
179+00.00	182+30.00	RT. SIDE OF HWY. 71 RT.	330.00	293.33
179+80.00	182+65.00	LT. SIDE OF HWY. 71 LT.	285.00	253.33
TOTAL:				**1975.10**

NOTE: AVERAGE WIDTH = 8'-0"

CONCRETE DITCH PAVING

STATION	STATION	LOCATION	LENGTH	"W"	CONC. DITCH PAVING (TYPE B)	SOLID SODDING	WATER
			LIN. FT.	FEET	SQ. YD.	SQ. YD.	M. GAL.
137+00.00	137+95.00	HWY. 71 LT.	95.00	6.32	66.71	42.22	0.53
143+62.00	145+76.00	HWY. 71 MEDIAN	214.00	6.32	150.28	95.11	1.20
167+75.00	168+00.00	HWY. 71 RT.	25.00	6.32	17.56	11.11	0.14
167+75.00	168+00.00	HWY. 71 RT.	25.00	6.32	17.56	11.11	0.14
181+00.00	185+00.00	HWY. 71 MEDIAN	400.00	6.32	280.89	177.78	2.24
181+00.00	185+00.00	HWY. 71 RT.	400.00	6.32	280.89	177.78	2.24
186+00.00	187+00.00	HWY. 71 MEDIAN	100.00	6.32	70.22	44.44	0.56
TOTALS:					**884.11**	**559.55**	**7.05**

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

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STRUCTURES

STATION	DESCRIPTION	REINFORCED CONCRETE PIPE CULVERT (CLASS III) 18"	24"	30"	54"	FLARED END SECTIONS FOR R.C. PIPE CULVERTS 18"	24"	30"	54"	TEMPORARY CULVERTS 18"	24"	DROP INLETS TYPE RM	SOLID SODDING	WATER	STD. DWG. NOS.
		LIN. FT.				EACH				LIN. FT.		EACH	SQ.YD.	M.GAL.	
114+41	HWY. 71 LT. - INSTALL PIPE CULVERT AT TURNAROUND		112				2						16	0.20	FES-1, FES-2, PCC-1
115+40	HWY. 71 RT. - INSTALL PIPE CULVERT		130				2						16	0.20	FES-1, FES-2, PCC-1
130+10	HWY. 71 RT. - INSTALL DBL. PIPE CULVERT				256				4				37	0.47	FES-1, FES-2, PCC-1
131+00	HWY. 71 LT. - INSTALL DBL. PIPE CULVERT				244				4				37	0.47	FES-1, FES-2, PCC-1
137+20	HWY. 71 RT. - INSTALL DBL. PIPE CULVERT				264				4				37	0.47	FES-1, FES-2, PCC-1
138+07	HWY. 71 LT. - INSTALL DBL. PIPE CULVERT				256				4				37	0.47	FES-1, FES-2, PCC-1
144+35	HWY. 71 LT. - INSTALL DBL. PIPE CULVERT				216				4				37	0.47	FES-1, FES-2, PCC-1
147+38	HWY. 71 LT. - INSTALL PIPE CULVERT AT TURNAROUND		70				2						16	0.20	FES-1, FES-2, PCC-1
155+00	HWY. 71 LT. - INSTALL DROP INLET WITH PIPE CULVERT OUTLET	92				1						1	23	0.29	FES-1, FES-2, FPC-9D, PCC-1
158+00	HWY. 71 LT. - INSTALL DROP INLET WITH PIPE CULVERT OUTLET	92				1						1	23	0.29	FES-1, FES-2, FPC-9D, PCC-1
167+00	HWY. 71 - INSTALL DROP INLET WITH PIPE CULVERT OUTLET & INLET			188				2				1	44	0.55	FES-1, FES-2, FPC-9D, PCC-1
172+00	HWY. 71 - INSTALL DROP INLET WITH PIPE CULVERT OUTLET & INLET			204				2				1	44	0.55	FES-1, FES-2, FPC-9D, PCC-1
179+00	HWY. 71 LT. - INSTALL DROP INLET WITH PIPE CULVERT OUTLET	96				1						1	23	0.29	FES-1, FES-2, FPC-9D, PCC-1
1008+47	DETOUR 1 - INSTALL TEMPORARY PIPE CULVERT										69				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
2003+71	DETOUR 2 - INSTALL TEMPORARY PIPE CULVERT										304				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
147+83	HWY. 71 RT. - INSTALL TEMPORARY PIPE CULVERT									151					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
168+29	HWY. 71 RT. - INSTALL TEMPORARY PIPE CULVERT									124					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
3007+81	DETOUR 3 - INSTALL TEMPORARY PIPE CULVERT									52					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
3009+36	DETOUR 3 - INSTALL TEMPORARY PIPE CULVERT										92				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
151+72	HWY. 71 LT. - INSTALL TEMPORARY CULVERT									99					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
168+29	HWY. 71 LT. - INSTALL TEMPORARY CULVERT									106					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
181+20	HWY. 71 LT. - INSTALL TEMPORARY CULVERT									97					PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
TOTALS:		**280**	**312**	**392**	**1236**	**3**	**6**	**4**	**20**	**629**	**465**	**5**	**390**	**4.92**	

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

FLOWABLE SELECT MATERIAL

STATION	LOCATION	CU. YD.
147+83	HWY. 71 RT. - FILL TEMP. PIPE	9.88
151+72	HWY. 71 LT. - FILL TEMP. PIPE	6.48
168+29	HWY. 71 RT. - FILL TEMP. PIPE	8.12
168+29	HWY. 71 LT. - FILL TEMP. PIPE	6.94
181+20	HWY. 71 LT. - FILL TEMP. PIPE	6.35
TOTAL:		**37.77**

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	101	183
		QUANTITIES				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

SOIL LOG

DIRECTION	LATITUDE			LONGITUDE			LOCATION	DEPTH	LIQUID LIMIT	PLASTICITY INDEX	AASHTO CLASSIFICATION	COLOR
	DEG	MIN	SEC	DEG	MIN	SEC		FEET				
NB	33	33	25.20	94	2	27.30	06 RT	0-5	ND	NP	A-2-4(0)	RED
NB	33	33	25.10	94	2	27.10	21 RT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	25.10	94	2	27.10	36 RT RV	0-5	ND	NP	A-4(0)	RD/BR
SB	33	33	25.90	94	2	29.90	06 LT	0-5	ND	NP	A-2-4(0)	BROWN
SB	33	33	26.00	94	2	30.00	21 LT	0-5	ND	NP	A-2-4(0)	BROWN
NB	33	33	31.10	94	2	23.10	06 LT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	31.20	94	2	23.20	21 LT	0-5	ND	NP	A-4(0)	RD/BR
SB	33	33	32.20	94	2	25.00	06 RT	0-5	ND	NP	A-4(0)	BROWN
SB	33	33	32.20	94	2	24.90	21 RT	0-5	ND	NP	A-4(0)	BROWN
NB	33	33	37.70	94	2	17.90	06 RT	0-5	27	12	A-6(3)	RD/BR
NB	33	33	37.60	94	2	17.70	21 RT	0-5	28	13	A-6(4)	RD/BR
SB	33	33	38.90	94	2	19.90	06 LT	0-5	36	20	A-6(14)	BROWN
SB	33	33	39.00	94	2	20.00	21 LT	0-5	ND	NP	A-4(0)	BROWN
NB	33	33	44.40	94	2	12.90	06 LT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	44.50	94	2	13.00	21 LT	0-5	22	6	A-4(0)	RD/BR
SB	33	33	45.30	94	2	14.50	21 RT	0-5	ND	NP	A-4(0)	BROWN
SB	33	33	45.40	94	2	14.60	06 RT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	51.20	94	2	8.20	06 RT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	51.20	94	2	8.10	21 RT	0-5	ND	NP	A-4(0)	RD/BR
SB	33	33	51.90	94	2	9.80	06 LT	0-5	ND	NP	A-4(0)	RD/BR
SB	33	33	51.90	94	2	9.90	21 LT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	33	59.00	94	2	8.00	06 LT	0-5	23	10	A-4(2)	RD/BR
NB	33	33	59.00	94	2	8.10	21 LT	0-5	29	18	A-2-6(1)	RD/BR
SB	33	33	89.00	94	2	8.70	21 RT	0-5	ND	NP	A-4(0)	BROWN
SB	33	33	58.90	94	2	8.80	06 RT	0-5	ND	NP	A-2-4(0)	RED
NB	33	34	6.90	94	2	8.80	21 RT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	34	6.90	94	2	8.90	06 RT	0-5	24	12	A-6(5)	RD/BR
SB	33	34	6.90	94	2	10.00	06 LT	0-5	24	12	A-6(5)	RD/BR
SB	33	34	6.80	94	2	10.20	21 LT	0-5	24	12	A-6(5)	RD/BR
NB	33	34	14.70	94	2	10.30	21 LT	0-5	ND	NP	A-4(0)	RD/BR
NB	33	34	14.70	94	2	10.20	06 LT	0-5	ND	NP	A-4(0)	RD/BR
SB	33	34	14.70	94	2	10.90	21 RT	0-5	ND	NP	A-4(0)	RED
SB	33	34	14.70	94	2	11.10	06 RT	0-5	25	10	A-4(7)	RED
NB	33	34	22.60	94	2	11.10	06 RT	0-5	18	4	A-4(0)	RD/BR
NB	33	34	22.60	94	2	11.00	21 RT	0-5	ND	NP	A-4(0)	BR/GR
SB	33	34	22.50	94	2	12.40	21 LT	0-5	ND	NP	A-4(0)	BR/GR
SB	33	34	22.60	94	2	12.30	06 LT	0-5	ND	NP	A-4(0)	BR/GR
NB	33	34	30.40	94	2	12.50	21 LT	0-5	ND	NP	A-2-4(0)	RED
NB	33	34	30.40	94	2	12.40	06 LT	0-5	ND	NP	A-2-4(0)	RED
SB	33	34	30.30	94	2	13.30	06 RT	0-5	ND	NP	A-2-4(0)	RD/BR
SB	33	34	30.30	94	2	13.10	21 RT	0-5	ND	NP	A-2-4(0)	RD/BR
NB	33	34	38.40	94	2	13.40	06 RT	0-5	20	6	A-4(0)	BR/GR
NB	33	34	38.40	94	2	13.30	21 RT	0-5	21	6	A-4(0)	RD/BR
SB	33	34	38.30	94	2	14.50	06 LT	0-5	ND	NP	A-4(0)	RED
SB	33	34	38.30	94	2	14.70	21 LT	0-5	ND	NP	A-2-4(0)	RED
NB	33	34	46.20	94	2	14.70	06 LT	0-5	41	27	A-7-6(27)	BR/GR
NB	33	34	46.20	94	2	14.80	21 LT	0-5	39	25	A-6(25)	BR/GR
SB	33	34	46.10	94	2	15.50	06 RT	0-4.7Z	24	9	A-4(2)	RD/BR
SB	33	34	46.20	94	2	15.40	21 RT	0-5	ND	NP	A-4(0)	RD/BR
SB	33	34	46.20	94	2	15.40	21 RT RV	0-5	29	15	A-6(2)	RD/BR
NB	33	34	54.00	94	2	16.60	06 RT	0-5	52	37	A-7-6(38)	BR/GR
NB	33	34	54.00	94	2	16.40	21 RT	0-5	42	30	A-7-6(28)	BR/GR
SB	33	34	53.60	94	2	17.90	06 LT	0-5	41	28	A-7-6(24)	RED
SB	33	34	53.50	94	2	18.00	21 LT	0-5	38	24	A-6(23)	RED

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.
Z- AUGER REFUSAL
NP - NON-PLASTIC
ND - NOT DETERMINABLE

ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC

LOCATION	TON	TACK COAT
		GALLON
ENTIRE PROJECT - TO BE USED IF AND WHERE	75	150
DIRECTED BY THE ENGINEER		
TOTALS:	**75**	**150**

BASIS OF ESTIMATE:
ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC...25 TON/MILE
TACK COAT FOR MAINTENANCE OF TRAFFIC.....50 GAL./MILE

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

ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE	75
DIRECTED BY THE ENGINEER	
TOTAL:	**75**

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

TRENCHING AND SHOULDER PREPARATION

STATION	STATION	LOCATION	LENGTH
			STA.
116+20	125+80	HWY. 71 LT. - OUTSIDE SHOULDER	10
184+00	189+60	HWY. 71 RT. - OUTSIDE SHOULDER	6
TOTAL:			**16**

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
8/6/2026		6	ARK.	030531	102	183
		QUANTITIES				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER

Digitally Signed 08/06/2026

DRIVEWAYS

STATION	SIDE	LOCATION	WIDTH	ACHM SURFACE COURSE (1/2") 220 LBS. PER SQ. YD. (PG 64-22)		AGGREGATE BASE COURSE (CLASS 7)	TEMPORARY CULVERTS		SIDE DRAINS		STANDARD DRAWINGS
							18"	24"	18"	24"	
			FEET	SQ. YD.	TON	TON			LIN. FT.		
114+00	LT.	HWY. 71	30	382.27	42.05	156.09				84	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
114+25	RT.	HWY. 71	16	118.43	13.03	48.36				44	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
115+73	LT.	HWY. 71	16	121.67	13.38	49.68				46	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
118+06	LT.	HWY. 71	16	188.24	20.71	76.86			60		PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
121+22	RT.	HWY. 71	16	122.96	13.53	50.21				48	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
128+30	LT.	HWY. 71	18	256.59	28.22	104.77				60	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
134+50	LT.	HWY. 71	16	147.48	16.22	60.22					
139+50	RT.	HWY. 71	20	319.71	35.17	130.55					
147+25	RT.	HWY. 71	16	358.20	39.40	146.27				108	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
147+47	LT.	HWY. 71	16	114.31	12.57	46.68				36	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
152+00	LT.	HWY. 71	16	104.65	11.51	42.73					
162+60	LT.	HWY. 71	18	173.93	19.13	71.02				52	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
167+50	RT.	HWY. 71	16	145.93	16.05	59.59					
168+10	LT.	HWY. 71	16	208.15	22.90	84.99					
180+90	LT.	HWY. 71	16	110.59	12.16	45.16				42	PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
1007+33	LT.	DETOUR 1 - TEMP. DRIVE - STAGE 1	30			119.02					
1008+50	RT.	DETOUR 1 - TEMP. DRIVE - STAGE 1	16			132.94	28				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
1009+94	RT.	DETOUR 1 - TEMP. DRIVE - STAGE 1	16			154.63	28				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
1011+06	LT.	DETOUR 1 - TEMP. DRIVE - STAGE 1	16			19.43					
122+06	RT.	HWY. 71 LT. - TEMP. DRIVE - STAGE 2	16			165.41		96			PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
140+34	RT.	HWY. 71 LT. - TEMP. DRIVE - STAGE 2	16			139.87		34			PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
147+70	RT.	HWY. 71 LT. - TEMP. DRIVE - STAGE 2	16			105.82					
168+10	RT.	HWY. 71 LT. - TEMP. DRIVE - STAGE 2	16			91.39					
3008+26	LT.	DETOUR 3 - TEMP. DRIVE - STAGE 3	30			138.19					
3008+26	RT.	DETOUR 3 - TEMP. DRIVE - STAGE 3	16			140.60		28			PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
3010+41	LT.	DETOUR 3 - TEMP. DRIVE - STAGE 3	16			119.55	28				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
127+43	LT.	HWY. 71 RT. - TEMP DRIVE - STAGE 4	16			141.36		96			PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
133+63	LT.	HWY. 71 RT. - TEMP DRIVE - STAGE 4	16			147.94	28				PCC-1, PCM-1, PCP-1, PCP-2, PCP-3
152+60	LT.	HWY. 71 RT. - TEMP DRIVE - STAGE 4	16			91.39					
162+00	LT.	HWY. 71 RT. - TEMP DRIVE - STAGE 4	16			91.39					
180+30	LT.	HWY. 71 RT. - TEMP DRIVE - STAGE 4	16			91.50					
* ENTIRE PROJECT TEMPORARY DRIVES						150.00					
TOTALS:				**2873.11**	**316.03**	**3213.61**	**112**	**254**	**60**	**520**	

BASIS OF ESTIMATE:
ACHM SURFACE COURSE (1/2") (PG 64-22).....94.2% MIN. AGGR.....5.8% ASPHALT BINDER

THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, WILL BE ALLOWED TO SUBSTITUTE A HIGHER PERFORMANCE GRADE ASPHALT SURFACE COURSE FOR DRIVEWAYS AND MINOR SIDE STREET CONSTRUCTION AT NO ADDITIONAL COST TO THE DEPARTMENT.

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

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.

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 (E-6)	SILT FENCE (E-11)	DROP INLET FILTER SOCK (12") (E-13)	*SEDIMENT REMOVAL & DISPOSAL
			ACRE	TON	ACRE	M.GAL.	ACRE	ACRE	ACRE	M.GAL.	CU.YD.	LIN. FT.	LIN. FT.	CU. YD.
ENTIRE	PROJECT	CLEARING AND GRUBBING						25.85	25.85	527.3	528	17236	92	814
ENTIRE	PROJECT	STAGE 1						0.55	0.55	11.2	3			1
ENTIRE	PROJECT	STAGE 2						11.38	11.38	232.2	270		46	90
ENTIRE	PROJECT	STAGE 3						1.37	1.37	27.9	42			14
ENTIRE	PROJECT	STAGE 4						12.19	12.19	248.7	288		115	96
ENTIRE	PROJECT	STAGE 5	29.91	59.82	29.91	3050.8	29.91	0.36	0.36	7.3	54			18
*ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.			7.48	14.96	7.48	763.0	7.48	12.93	12.93	263.8	296	4309		258
TOTALS:			**37.39**	**74.78**	**37.39**	**3813.8**	**37.39**	**64.63**	**64.63**	**1318.4**	**1481**	**21545**	**253**	**1291**

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
FILTER SOCKS.....23 LIN. FT./ 4' DIA. INLET

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 REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
8/6/2026		6	ARK.	030531	103	183
		QUANTITIES				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER
Digitally Signed 08/06/2026

BASE AND SURFACING

STATION	STATION	LOCATION	LENGTH	AGGREGATE BASE COURSE (CLASS 7)		TACK COAT							ACHM BASE COURSE (1 1/2")					ACHM BINDER COURSE (1")					ACHM SURFACE COURSE (1/2")									
				TON / STATION	TON	(0.05 GAL. PER SQ. YD.)			(0.17 GAL. PER SQ. YD.)			TOTAL GALLONS	AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 70-22		AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 64-22	PG 70-22		AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 64-22	PG 70-22		AVG. WID.	SQ.YD.	POUND / SQ.YD.	PG 64-22	PG 70-22	TOTAL PG 64-22	TOTAL PG 70-22
			FEET			TOTAL WID. FEET	SQ.YD.	GALLON	TOTAL WID. FEET	SQ.YD.	GALLON		FEET			TON		FEET			TON	TON		FEET			TON	TON		FEET			TON	TON	TON	TON
MAIN LANES & DETOURS																																			
107+20.00	108+20.00	HWY. 71 LT. - TRANSITION	100.00						38.00	422.22	71.78	71.78																		38.00	422.22	220.00		46.44		46.44
108+20.00	113+26.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY	506.00	225.00	1138.50	6.74	378.94	18.95				18.95	2.38	133.81	440.00	29.44		2.23	125.38	330.00		20.69		2.13	119.75	220.00		13.17		38.00	2136.44	220.00		235.01		248.18
113+26.00	113+55.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY (CROSSOVER)	29.00	122.50	35.53	6.74	21.72	1.09				1.09	2.38	7.67	440.00	1.69		2.23	7.19	330.00		1.19		2.13	6.86	220.00		0.75		35.14	113.23	220.00		12.46		13.21
113+55.00	114+52.00	HWY. 71 LT. - FULL DEPTH SECTION (CROSSOVER)	97.00	231.50	224.56	100.16	1079.50	53.98				53.98	33.52	361.27	440.00	79.48		33.37	359.65	330.00		59.34		33.27	358.58	220.00		39.44		41.14	443.40	220.00		48.77		88.21
114+52.00	116+55.00	HWY. 71 LT. - FULL DEPTH SECTION (TURN LANE)	203.00	365.00	740.95	115.46	2604.26	130.21				130.21	38.75	874.03	440.00	192.29		38.46	867.49	330.00		143.14		38.25	862.75	220.00		94.90		50.00	1127.78	220.00		124.06		218.96
116+55.00	118+55.00	HWY. 71 LT. - FULL DEPTH SECTION (TAPER)	200.00	341.75	683.50	97.46	2165.78	108.29				108.29	32.75	727.78	440.00	160.11		32.46	721.33	330.00		119.02		32.25	716.67	220.00		78.83		44.00	977.78	220.00		107.56		186.39
118+55.00	146+79.00	HWY. 71 LT. - FULL DEPTH SECTION	2824.00	318.25	8987.38	79.46	24932.78	1246.64				1246.64	26.75	8393.56	440.00	1846.58		26.46	8302.56	330.00		1369.92		26.25	8236.67	220.00		906.03		38.00	11923.56	220.00		1311.59		2217.62
146+79.00	148+26.00	HWY. 71 LT. - FULL DEPTH SECTION (CROSSOVER)	147.00	239.25	351.70	96.74	1580.09	79.00				79.00	32.38	528.87	440.00	116.35		32.23	526.42	330.00		86.86		32.13	524.79	220.00		57.73		40.00	653.33	220.00		71.87		129.60
148+26.00	150+00.00	HWY. 71 LT. - FULL DEPTH SECTION (TURN LANE)	174.00	365.00	635.10	115.46	2232.23	111.61				111.61	38.75	749.17	440.00	164.82		38.46	743.56	330.00		122.69		38.25	739.50	220.00		81.35		50.00	966.67	220.00		106.33		187.68
150+00.00	152+00.00	HWY. 71 LT. - FULL DEPTH SECTION (TAPER)	200.00	341.75	683.50	97.46	2165.78	108.29				108.29	32.75	727.78	440.00	160.11		32.46	721.33	330.00		119.02		32.25	716.67	220.00		78.83		44.00	977.78	220.00		107.56		186.39
152+00.00	161+77.00	HWY. 71 LT. - FULL DEPTH SECTION	977.00	318.25	3109.30	79.46	8625.82	431.29				431.29	26.75	2903.86	440.00	638.85		26.46	2872.38	330.00		473.94		26.25	2849.58	220.00		313.45		38.00	4125.11	220.00		453.76		767.21
161+77.00	163+19.00	HWY. 71 LT. - FULL DEPTH SECTION (CROSSOVER)	142.00	239.25	339.74	96.74	1526.34	76.32				76.32	32.38	510.88	440.00	112.39		32.23	508.52	330.00		83.91		32.13	506.94	220.00		55.76		40.00	631.11	220.00		69.42		125.18
163+19.00	165+00.00	HWY. 71 LT. - FULL DEPTH SECTION (TURN LANE)	181.00	365.00	660.65	115.46	2322.03	116.10				116.10	38.75	779.31	440.00	171.45		38.46	773.47	330.00		127.62		38.25	769.25	220.00		84.62		50.00	1005.56	220.00		110.61		195.23
165+00.00	167+00.00	HWY. 71 LT. - FULL DEPTH SECTION (TAPER)	200.00	341.75	683.50	97.46	2165.78	108.29				108.29	32.75	727.78	440.00	160.11		32.46	721.33	330.00		119.02		32.25	716.67	220.00		78.83		44.00	977.78	220.00		107.56		186.39
167+00.00	182+15.00	HWY. 71 LT. - FULL DEPTH SECTION	1515.00	318.25	4821.49	79.46	13375.77	668.79				668.79	26.75	4502.92	440.00	990.64		26.46	4454.10	330.00		734.93		26.25	4418.75	220.00		486.06		38.00	6396.67	220.00		703.63		1189.69
182+15.00	184+00.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY	185.00	225.00	416.25	6.74	138.54	6.93				6.93	2.38	48.92	440.00	10.76		2.23	45.84	330.00		7.56		2.13	43.78	220.00		4.82		38.00	781.11	220.00		85.92		90.74
184+00.00	185+00.00	HWY. 71 LT. - TRANSITION	100.00						38.00	422.22	71.78	71.78																		38.00	422.22	220.00		46.44		46.44
105+72.28	106+72.28	HWY. 71 RT. - TRANSITION	100.00						38.00	422.22	71.78	71.78																		38.00	422.22	220.00		46.44		46.44
106+72.28	109+50.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY	277.72	225.00	624.87	6.74	207.98	10.40				10.40	2.38	73.44	440.00	16.16		2.23	68.81	330.00		11.35		2.13	65.73	220.00		7.23		38.00	1172.60	220.00		128.99		136.22
109+50.00	111+35.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY (TAPER)	185.00	332.00	614.20	6.74	138.54	6.93				6.93	2.38	48.92	440.00	10.76		2.23	45.84	330.00		7.56		2.13	43.78	220.00		4.82		43.55	895.19	220.00		98.47		103.29
111+35.00	111+50.00	HWY. 71 RT. - FULL DEPTH SECTION (TAPER)	15.00	355.25	53.29	114.11	190.18	9.51				9.51	38.30	63.83	440.00	14.04		38.01	63.35	330.00		10.45		37.80	63.00	220.00		6.93		49.55	82.58	220.00		9.08		16.01
111+50.00	113+59.00	HWY. 71 RT. - FULL DEPTH SECTION (TURN LANE)	209.00	365.00	762.85	115.46	2681.24	134.06				134.06	38.75	899.86	440.00	197.97		37.96	881.52	330.00		145.45		38.25	888.25	220.00		97.71		50.00	1161.11	220.00		127.72		225.43
113+59.00	114+76.00	HWY. 71 RT. - FULL DEPTH SECTION (CROSSOVER)	117.00	239.25	279.92	96.74	1257.62	62.88				62.88	32.38	420.94	440.00	92.61		32.23	418.99	330.00		69.13		32.13	417.69	220.00		45.95		40.00	520.00	220.00		57.20		103.15
114+76.00	121+00.00	HWY. 71 RT. - FULL DEPTH SECTION	624.00	318.25	1985.88	79.46	5509.23	275.46				275.46	26.75	1854.67	440.00	408.03		26.46	1834.56	330.00		302.70		26.25	1820.00	220.00		200.20		38.00	2634.67	220.00		289.81		490.01
121+00.00	122+00.00	HWY. 71 RT. - FULL DEPTH SECTION (TAPER)	100.00	360.75	360.75	118.46	1316.22	65.81				65.81	39.75	441.67	440.00	97.17		39.46	438.44	330.00		72.34		39.25	436.11	220.00		47.97		51.00	566.67	220.00		62.33		110.30
122+00.00	127+00.00	HWY. 71 RT. - FULL DEPTH SECTION (WEIGH PAD)	500.00	403.00	2015.00	157.46	8747.78	437.39				437.39	52.75	2930.56	440.00	644.72		52.46	2914.44	330.00		480.88		52.25	2902.78	220.00		319.31		64.00	3555.56	220.00		391.11		710.42
127+00.00	129+00.00	HWY. 71 RT. - FULL DEPTH SECTION (TAPER)	200.00	360.75	721.50	118.46	2632.44	131.62				131.62	39.75	883.33	440.00	194.33		39.46	876.89	330.00		144.69		39.25	872.22	220.00		95.94		51.00	1133.33	220.00		124.67		220.61
129+00.00	142+77.00	HWY. 71 RT. - FULL DEPTH SECTION	1377.00	318.25	4382.30	79.46	12157.38	607.87				607.87	26.75	4092.75	440.00	900.41		26.46	4048.38	330.00		667.98		26.25	4016.25	220.00		441.79		38.00	5814.00	220.00		639.54		1081.33
142+77.00	144+77.00	HWY. 71 RT. - FULL DEPTH SECTION (TAPER)	200.00	341.75	683.50	97.46	2165.78	108.29				108.29	32.75	727.78	440.00	160.11		32.46	721.33	330.00		119.02		32.25	716.67	220.00		78.83		44.00	977.78	220.00		107.56		186.39
144+77.00	146+42.00	HWY. 71 RT. - FULL DEPTH SECTION (TURN LANE)	165.00	365.00	602.25	115.46	2116.77	105.84				105.84	38.75	710.42	440.00	156.29		38.46	705.10	330.00		116.34		38.25	701.25	220.00		77.14		50.00	916.67	220.00		100.83		177.97
146+42.00	148+11.00	HWY. 71 RT. - FULL DEPTH SECTION (CROSSOVER)	169.00	239.25	404.33	96.74	1816.56	90.83				90.83	32.38	608.02	440.00	133.76		32.23	605.21	330.00		99.86		32.13	603.33	220.00		66.37		40.00	751.11	220.00		82.62		148.99
148+11.00	157+96.00	HWY. 71 RT. - FULL DEPTH SECTION	985.00	318.25	3134.76	79.46	8696.46	434.82				434.82	26.75	2927.64	440.00	644.08		26.46	2895.90	330.00		477.82		26.25	2872.92	220.00		316.02		38.00	4158.89	220.00		457.48		773.50
157+96.00	159+96.00	HWY. 71 RT. - FULL DEPTH SECTION (TAPER)	200.00	341.75	683.50	97.46	2165.78	108.29				108.29	32.75	727.78	440.00	160.11		32.46	721.33	330.00		119.02		32.25	716.67	220.00		78.83		44.00	977.78	220.00		107.56		186.39
159+96.00	161+77.00	HWY. 71 RT. - FULL DEPTH SECTION (TURN LANE)	181.00	365.00	660.65	115.46	2322.03	116.10				116.10	38.75	779.31	440.00	171.45		38.46	773.47	330.00		127.62		38.25	769.25	220.00		84.62		50.00	1005.56	220.00		110.61		195.23
161+77.00	163+19.00	HWY. 71 RT. - FULL DEPTH SECTION (CROSSOVER)	142.00	239.25	339.74	96.74	1526.34	76.32				76.32	32.38	510.88	440.00	112.39		32.23	508.52	330.00		83.91		32.13	506.94	220.00		55.76		40.00	631.11	220.00		69.42		125.18
163+19.00	180+00.00	HWY. 71 RT. - FULL DEPTH SECTION	1681.00	318.25	5349.78	79.46	14841.36	742.07				742.07	26.75	4996.31	440.00	1099.19		26.46	4942.14	330.00		815.45		26.25	4902.92	220.00		539.32		38.00	7097.56	220.00		780.73		1320.05
180+00.00	182+40.00	HWY. 71 RT. - FULL DEPTH SECTION (FULL DEPTH SHOULDER)	240.00	296.25	711.00	91.46	2438.93	121.95				121.95	30.75	820.00	440.00	180.40		30.46	812.27	330.00		134.02		30.25	806.67	220.00		88.73		38.00	1013.33	220.00		111.47		200.20
182+40.00	184+00.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY (FULL DEPTH SHOULDER)	160.00	202.75	324.40	18.74	333.16	16.66				16.66	6.38	113.42	440.00	24.95		6.23	110.76	330.00		18.28		6.13	108.98	220.00		11.99		38.00	675.56	220.00		74.31		86.30
184+00.00	185+00.00	HWY. 71 RT. - TRANSITION	100.00						38.00	422.22	71.78	71.78																		38.00	422.22	220.00		46.44		46.44
1000+59.84	1003+05.64	DETOUR 1 - NOTCH & WIDEN	245.80	VAR.	234.68	VAR.	443.92	22.20				22.20						VAR.	221.96	330.00	36.62			VAR.	221.96	220.00	24.42			VAR.	342.11	220.00	37.63		62.05	
1003+05.64	1012+12.16	DETOUR 1 - FULL DEPTH SECTION	906.52	171.75	1556.95	30.71	3093.25	154.66				154.66						15.46	1557.20	330.00	256.94			15.25	1536.05	220.00	168.97			23.00	2316.66	220.00	254.83		423.80	
1012+12.16	1014+81.48	DETOUR 1 - NOTCH & WIDEN	269.32	VAR.	208.32	VAR.	361.78	18.09				18.09						VAR.	180.89	330.00	29.85			VAR.	180.89	220.00	19.90			VAR.	307.03	220.00	33.77		53.67	
2000+00.00	2002+67.09	DETOUR 2 - NOTCH & WIDEN	267.09	VAR.	209.58	VAR.	371.34	18.57				18.57						VAR.	185.67	330.00	30.64			VAR.	185.67	220.00	20.42			VAR.	311.37	220.00	34.25		54.67	
2002+67.09	2004+94.16	DETOUR 2 - FULL DEPTH SECTION	227.07	171.75	389.99	30.71	774.81	38.74				38.74						15.46	390.06	330.00	64.36			15.25	384.76	220.00	42.32			23.00	580.29	220.00	63.83		106.15	
2004+94.16	2006+05.45	DETOUR 2 - NOTCH & WIDEN	111.29	VAR.	114.07	VAR.	232.70	11.64				11.64						VAR.	116.35	330.00	19.20			VAR.	116.35	220.00	12.80			VAR.	172.67	220.00	18.99		31.79	
3000+28.10	3005+02.51	DETOUR 3 - NOTCH & WIDEN	474.41	VAR.	326.00	VAR.	450.66	22.53				22.53						VAR.	225.33	330.00	37.18			VAR.	225.33	220.00	24.79			VAR.	443.45	220.00	48.78		73.57	
3005+02.51	3012+36.52	DETOUR 3 - FULL DEPTH SECTION	734.01	171.75	1260.66	30.71	2504.61	125.23				125.23						15.46	1260.87	330.00	208.04			15.25	1243.74	220.00	136.81			23.00	1875.80	220.00	206.34		343.15	
3012+36.52	3014+43.09	DETOUR 3 - NOTCH & WIDEN	206.57	VAR.	168.53	VAR.	282.22	14.11				14.11						VAR.	141.11	330.00	23.28			VAR.	141.11	220.00	15.52			VAR.	238.61	220.00	26.25		41.77	
4000+00.00	4002+64.92	DETOUR 4 - NOTCH & WIDEN	264.92	VAR.	229.92	VAR.	381.42	19.07				19.07						VAR.	190.71	330.00	31.47			VAR.	190.71	220.00	20.98			VAR.	315.62	220.00	34.72		55.70	
4002+64.92	4004+89.17	DETOUR 4 - FULL DEPTH SECTION	224.25	171.75	385.15	30.71	765.19	38.26				38.26						15.46	385.21	330.00	63.56			15.25	379.98	220.00	41.80			23.00	573.08	220.00	63.04		104.84	
4004+89.17	4007+58.44	DETOUR 4 - NOTCH & WIDEN	269.27	VAR.	208.48	VAR.	362.56	18.13				18.13						VAR.	181.28	330.00	29.91			VAR.	181.28	220.00	19.94			VAR.	307.44	220.00	33.82		53.76	
ADDITIONAL FOR LEVELING																																			
108+20.00	113+26.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY	506.00						24.00	1349.33	229.39	229.39												24.00	1349.33	440.00	296.85	296.85						296.85	296.85
113+26.00	113+55.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY (CROSSOVER)	29.00						25.14	81.01	13.77	13.77												25.14	81.01	880.00	35.64	35.64						35.64	35.64
182+15.00	184+00.00	HWY. 71 LT. - NOTCH, WIDEN, & OVERLAY	185.00						24.00	493.33	83.87	83.87												24.00	493.33	1100.00	271.33	271.33						271.33	271.33
106+72.28	109+50.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY	277.72						24.00	740.59	125.90	125.90												24.00	740.59	220.00	81.46	81.46						81.46	81.46
109+50.00	111+35.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY (TAPER)	185.00						29.55	607.42	103.26	103.26												29.55	607.42	990.00	300.67	300.67						300.67	300.67
182+40.00	184+00.00	HWY. 71 RT. - NOTCH, WIDEN, & OVERLAY	160.00						24.00	426.67	72.53	72.53												24.00	426.67	1100.00	234.67	234.67						234.67	234.67
ADDITIONAL FOR GUARDRAIL WIDENING																																			
107+20.00	109+67.00	HWY. 71 LT. - WIDENING LT.	247.00	37.50	92.63																									5.50	150.94	220.00		16.60		16.60
109+67.00	110+00.00	HWY. 71 LT. - WIDENING TAPER LT.	33.00	18.75	6.19																									2.75	10.08	220.00		1.11		1.11
107+20.00	109+67.00	HWY. 71 LT. - WIDENING RT.	247.00	36.25	89.54																									7.50	205.83	220.00		22.64		22.64
109+67.00	110+00.00	HWY. 71 LT. - WIDENING TAPER RT.	33.00	18.13	5.98																									3.75	13.75	220.00		1.51		1.51
ADDITIONAL FOR TRENCHING AND SHOULDER PREPARATION																																			
116+20.00	125+80.00	HWY. 71 LT. - OUTSIDE SHOULDER	960.00			12.00	1280.00	64.00				64.00	6.00	640.00	550.00	176.00	6.00	640.00	330.00		105.60									6.00	640.00	220.00		70.40		70.40
184+00.00	189+80.00	HWY. 71 RT. - OUTSIDE SHOULDER	560.00			12.00	746.67	37.33				37.33	6.00	373.33	550.00	102.67	6.00	373.33	330.00		61.60									6.00	373.33	220.00		41.07		41.07
ADDITIONAL FOR MEDIAN CROSSOVERS																																			
113+01.00	115+12.00	HWY. 71	211.00	VAR.	824.47	VAR.	2770.67	138.53				138.53	VAR.	923.56	440.00	203.18	VAR.	923.56	330.00		152.39	VAR.	923.56	220.00		101.59	VAR.	924.89	220.00		101.74		203.33		
146+57.00	148+20.00	HWY. 71	163.00	VAR.	507.12	VAR.	1658.33	82.92				82.92	VAR.	552.78	440.00	121.61	VAR.	552.78	330.00		91.21	VAR.	552.78	220.00		60.81	VAR.	756.78	220.00		83.25		144.06		
161+77.00	163+19.00	HWY. 71	142.00	VAR.	373.66	VAR.	1076.67	53.83				53.83	VAR.	358.89	440.00	78.96	VAR.	358.89	330.00		59.22	VAR.	358.89	220.00		39.48	VAR.	520.22	220.00		57.22		96.70		
ADDITIONAL FOR SUPERELEVATION																																			
108+20.00	118+27.12	HWY. 71 LT. - MAXIMUM SUPERELEVATION	1007.12	52.75	531.26																														
118+27.12	120+45.87	HWY. 71 LT. - SUPERELEVATION TRANSITION	218.75	26.38	57.71																														
140+35.56	144+35.56	HWY. 71 LT. - SUPERELEVATION TRANSITION	400.00	88.38	353.52																														
144+35.56	150+03.81	HWY. 71 LT. - MAXIMUM SUPERELEVATION	568.25	176.75	1004.38																														
150+03.81	154+03.81	HWY. 71 LT. - SUPERELEVATION TRANSITION	400.00	88.38	353.52																														
106+72.28	110+72.28	HWY. 71 RT. - SUPERELEVATION TRANSITION	400.00	88.38	353.52																														
110+72.28	114+56.09	HWY. 71 RT. - MAXIMUM SUPERELEVATION	383.81	176.75	678.38																														
114+56.09	118+56.09	HWY. 71 RT. - SUPERELEVATION TRANSITION	400.00	88.38	353.52																														
137+61.61	141+61.61	HWY. 71 RT. - SUPERELEVATION TRANSITION	400.00	101.38	405.52																														
141+61.61	149+48.69	HWY. 71 RT. - MAXIMUM SUPERELEVATION	787.08	202.75	1595.80																														
149+48.69	153+48.69	HWY. 71 RT. - SUPERELEVATION TRANSITION	400.00	101.38	405.52																														
1002+15.74	1005+15.74	DETOUR 1 - SUPERELEVATION TRANSITION	300.00	5.00	15.00																														
1005+15.74	1011+81.48	DETOUR 1 - MAXIMUM SUPERELEVATION	665.74	10.00	66.57																														
1011+81.48	1014+81.48	DETOUR 1 - SUPERELEVATION TRANSITION	300.00	5.00	15.00																														
3000+28.10	3007+16.65	DETOUR 3 - MAXIMUM SUPERELEVATION	688.55	10.00	68.86																														
3007+16.65	3010+16.65	DETOUR 3 - SUPERELEVATION TRANSITION	300.00	5.00	15.00																														
3010+16.65	3012+47.42	DETOUR 3 - SUPERELEVATION TRANSITION	230.77	2.50	5.77																														
3012+47.42	3014+43.09	DETOUR 3 - MAXIMUM SUPERELEVATION	195.67	5.00	9.78																														
TOTALS:					61686.67		156133.94	7806.72		5387.23	915.84	8722.56		49457.70		10936.42		54023.00		831.05	8082.74		56340.03		1769.29	6462.53		82047.20		856.25	8168.92	2625.54	14631.45

BASIS OF ESTIMATE:
ACHM SURFACE COURSE (1/2") (PG 64-22).....94.2% MIN. AGGR.....5.8% ASPHALT BINDER
ACHM BINDER COURSE (1") (PG 64-22).....95.2% MIN. AGGR.....4.8% ASPHALT BINDER
ACHM SURFACE COURSE (1/2") (PG 70-22).....94.0% MIN. AGGR.....6.0% ASPHALT BINDER
ACHM BINDER COURSE (1") (PG 70-22).....95.3% MIN. AGGR.....4.7% ASPHALT BINDER
ACHM BASE COURSE (1 1/2") (PG 70-22).....95.5% MIN. AGGR.....4.5% ASPHALT BINDER

TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES. REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.

AH40749 8/5/2026
RO30531.DGN MicroStation v8.11.9.578

QUANTITIES

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
7/30/2026		6	ARK.	030531	104	183
8/6/2026		SUMMARY OF QUANTITIES AND REVISIONS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
201	CLEARING	78	STATION
201	GRUBBING	78	STATION
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	3985	LIN. FT.
202	REMOVAL AND DISPOSAL OF FENCE	14755	LIN. FT.
202	REMOVAL AND DISPOSAL OF GATES	2	EACH
202	REMOVAL AND DISPOSAL OF WALLS	28	LIN. FT.
202	REMOVAL AND DISPOSAL OF CONCRETE PAVEMENT	16531	SQ. YD.
202	REMOVAL AND DISPOSAL OF CONCRETE ISLANDS	1367	SQ. YD.
202	REMOVAL AND DISPOSAL OF SIGN FOUNDATIONS	17	EACH
202	REMOVAL AND DISPOSAL OF DROP INLETS	4	EACH
202	REMOVAL AND DISPOSAL OF PIPE CULVERTS	30	EACH
202	REMOVAL AND DISPOSAL OF BOX CULVERTS	5	EACH
202	REMOVAL AND DISPOSAL OF CONCRETE DITCH PAVING	601	SQ. YD.
202	REMOVAL AND DISPOSAL OF GUARDRAIL	1415	LIN. FT.
202	REMOVAL AND DISPOSAL OF SEPTIC TANK	1	EACH
202	REMOVAL AND DISPOSAL OF WELL HOUSE	1	EACH
202	REMOVAL AND DISPOSAL OF RADIO TOWER	1	EACH
202	REMOVAL AND DISPOSAL OF BUILDINGS	1	EACH
202	REMOVAL AND DISPOSAL OF WEIGH SCALES	2	EACH
202	REMOVAL AND DISPOSAL OF SIGNS	17	EACH
SS & 206	FLOWABLE SELECT MATERIAL	38	CU. YD.
SP, SS, & 210	UNCLASSIFIED EXCAVATION	28036	CU. YD.
SP & 210	COMPACTED EMBANKMENT	337971	CU. YD.
SP & 210	SOIL STABILIZATION	1000	TON
SP & 215	TRENCHING AND SHOULDER PREPARATION	16	STATION
SP, SS, & 303	AGGREGATE BASE COURSE (CLASS 7)	64900	TON
SS & 401	TACK COAT	8873	GAL.
SP, SS, & 405	MINERAL AGGREGATE IN ACHM BASE COURSE (1 1/2")	10444	TON
SP, SS, & 405	ASPHALT BINDER (PG 70-22) IN ACHM BASE COURSE (1 1/2")	492	TON
SP, SS, & 406	MINERAL AGGREGATE IN ACHM BINDER COURSE (1")	8494	TON
SP, SS, & 406	ASPHALT BINDER (PG 64-22) IN ACHM BINDER COURSE (1")	40	TON
SP, SS, & 406	ASPHALT BINDER (PG 70-22) IN ACHM BINDER COURSE (1")	380	TON
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	16524	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2")	171	TON
SP, SS, & 407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (1/2")	878	TON
SP & 412	COLD MILLING ASPHALT PAVEMENT	1689	SQ. YD.
SP, SS, & 414	ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	75	TON
SP, SS, & 415	ACHM PATCHING OF EXISTING ROADWAY	75	TON
601	MOBILIZATION	1.00	LUMP SUM
SP & 602	FURNISHING FIELD OFFICE	1	EACH
SS & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
603	18" TEMPORARY CULVERT	741	LIN. FT.
603	24" TEMPORARY CULVERT	719	LIN. FT.
SS & 604	SIGNS	1912	SQ. FT.
SP, SS, & 604	CONSTRUCTION PROJECT INFORMATION SIGN UPDATE	10	EACH
SS & 604	BARRICADES	200	LIN. FT.
SS & 604	TRAFFIC DRUMS	522	EACH
SS & 604	FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER	433	LIN. FT.
SS & 604	RELOCATING PRECAST CONCRETE BARRIER	433	LIN. FT.
604	CONSTRUCTION PAVEMENT MARKINGS	71659	LIN. FT.
SP, SS, & 604	TUBULAR MARKERS	582	EACH
604	REMOVAL OF CONSTRUCTION PAVEMENT MARKINGS	281	LIN. FT.
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS	8644	LIN. FT.
SS & 604	ADVANCE WARNING ARROW PANEL	1092	DAY
SP, SS, & 604	PORTABLE CHANGEABLE MESSAGE SIGN	156	WEEK
SP	PORTABLE CONSTRUCTION LIGHTING	1456	DAY
SP	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)	2	EACH
SP, SS, & 605	CONCRETE DITCH PAVING (TYPE B)	884	SQ. YD.
SS & 606	18" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	280	LIN. FT.
SS & 606	24" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	312	LIN. FT.
SS & 606	30" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	392	LIN. FT.
SS & 606	54" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)	1236	LIN. FT.
SS & 606	18" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS	3	EACH
SS & 606	24" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS	6	EACH
SS & 606	30" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS	4	EACH
SS & 606	54" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS	20	EACH
SP, SS, & 606	18" SIDE DRAIN	60	LIN. FT.
SP, SS, & 606	24" SIDE DRAIN	520	LIN. FT.
SS & 606	SELECTED PIPE BEDDING	300	CU. YD.
SS & 609	DROP INLETS (TYPE RM)	5	EACH
SS & 611	4" PIPE UNDERDRAINS	4000	LIN. FT.
SS & 611	UNDERDRAIN OUTLET PROTECTORS	16	EACH
SS & 617	GUARDRAIL (TYPE A)	400	LIN. FT.
SS & 617	GUARDRAIL TERMINAL (TYPE 2)	2	EACH
SS & 619	WIRE FENCE (TYPE A)	14293	LIN. FT.
SS & 619	WIRE FENCE (TYPE D-1)	816	LIN. FT.
* SS & 619	16' STEEL GATES (ALTERNATE NO. 1)	11	EACH
* SS & 619	16' ALUMINUM GATES (ALTERNATE NO. 2)	11	EACH
620	LIME	75	TON
620	SEEDING	37.39	ACRE
SS & 620	MULCH COVER	102.02	ACRE
620	WATER	5144.2	M. GAL.
621	TEMPORARY SEEDING	64.63	ACRE
621	SILT FENCE	21545	LIN. FT.
621	SEDIMENT REMOVAL AND DISPOSAL	1291	CU. YD.
621	ROCK DITCH CHECKS	1481	CU. YD.
SS & 621	FILTER SOCK (12")	253	LIN. FT.
623	SECOND SEEDING APPLICATION	37.39	ACRE
624	SOLID SODDING	950	SQ. YD.
626	EROSION CONTROL MATTING (CLASS 3)	1975	SQ. YD.
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
642	RUMBLE STRIPS IN ASPHALT SHOULDERS	27231	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	21368	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	15464	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING (WORDS)	6	EACH
719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	12	EACH
721	RAISED PAVEMENT MARKERS (TYPE II)	197	EACH
SS & 731	TEMPORARY IMPACT ATTENUATION BARRIER	1	EACH
SS & 731	TEMPORARY IMPACT ATTENUATION BARRIER (REPAIR)	2	EACH
SS & 731	TEMPORARY IMPACT ATTENUATION BARRIER (RELOCATION)	1	EACH

* DENOTES ALTERNATE BID ITEMS.

REVISIONS

DATE	REVISION	SHEET NUMBER
7/30/2026	ADDED FURNISHING FIELD OFFICE PAY ITEM & BROADBAND INTERNET SERVICE FOR FIELD OFFICE SPECIAL PROVISION.	3, 104
8/6/2026	REVISED MINERAL AGGREGATE AND ASPHALT BINDER PERCENTAGES UNDER DRIVEWAYS AND BASE AND SURFACING QUANTITY BOXES. REVISED MINERAL AGGREGATE AND ASPHALT BINDER QUANTITIES FOR BASE, BINDER, AND SURFACE COURSES.	102-104

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SUMMARY OF QUANTITIES AND REVISIONS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	105	183
		SURVEY CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

SURVEY CONTROL COORDINATES

Project Name: s030351
Date: 1/2/2020
Coordinate System: ARKANSAS STATE PLANE - SOUTH ZONE BASED ON GPS CONTROL, PROJECTED TO GROUND.
Units: U.S. SURVEY FOOT

Point Name	Northing	Easting	Elev	Feature	Description
1	1641783.5264	690510.5537	288.518	CTL	STD ARDOT CAP STAMPED PN: 1
2	1642598.6436	690604.3750	276.432	CTL	STD ARDOT CAP STAMPED PN: 2
3	1643219.9289	691000.2976	274.023	CTL	STD ARDOT CAP STAMPED PN: 3
4	1643908.3293	691459.3372	272.336	CTL	STD ARDOT CAP STAMPED PN: 4
5	1644566.5013	691893.9593	270.880	CTL	STD ARDOT CAP STAMPED PN: 5
6	1645251.4125	692352.9167	274.754	CTL	STD ARDOT CAP STAMPED PN: 6
7	1646033.5602	692373.3737	273.868	CTL	STD ARDOT CAP STAMPED PN: 7
8	1646837.6449	692292.4463	272.449	CTL	STD ARDOT CAP STAMPED PN: 8
9	1647679.7993	692210.7577	271.737	CTL	STD ARDOT CAP STAMPED PN: 9
10	1648506.6560	692127.3251	271.949	CTL	STD ARDOT CAP STAMPED PN: 10
11	1649348.9404	692044.9452	294.748	CTL	STD ARDOT CAP STAMPED PN: 11
12	1649968.1166	691983.3291	302.844	CTL	STD ARDOT CAP STAMPED PN: 12
13	1650833.4861	691898.1489	292.813	CTL	STD ARDOT CAP STAMPED PN: 13
14	1651979.7323	691451.5506	303.567	CTL	STD ARDOT CAP STAMPED PN: 14
15	1642048.8065	690189.2457	290.213	CTL	STD ARDOT CAP STAMPED PN: 15
100	1652180.0595	691068.4335	295.270	GPS	ARDOT GPS MON 410009
101	1651372.8877	691815.5216	302.295	GPS	ARDOT GPS MON 410009A, 38.7' WSW OF TB
900	1641764.8946	690513.4841	290.817	TBM	CHSLD SQR IN CONC OF NW BR CNR OF NB BRIDGE OVER RED RIVER
901	1643744.0498	691348.5857	273.228	TBM	TOP OF 3/4" BOLT STICKING UP OUT OF 3'X3' CONCRETE PAD
902	1644588.6523	691902.2492	269.005	TBM	CHSLD SQR IN CONC CNTR OF 10' HW
903	1647329.6723	692260.4901	270.861	TBM	CHSLD SQR ON TOP OF CONC 30" PIPE
904	1650553.5673	691860.9345	289.577	TBM	CHSLD SQR IN NE CNR OF 4'X7' CONC DI
905	1657917.9551	691648.2877	299.499	TBM	CHSLD SQR IN NW CNR OF 4'X7' CONC DI
990	1657399.7145	686314.1318	314.413	TBM	990 5/8" RBR 2" ALUM CAP 5/8"
991	1644369.2703	691465.3223	271.610	BM	NGS BM N307
992	1651998.5162	691493.8060	303.590	BM	NGS BM P307
993	1657312.9405	686274.4776	314.450	BM	NGS BM Q307

*Note - Rebar and Cap - Standard - 5/8" Rebar with 2" Aluminum Cap stamped
*(standard markings common to all caps), or as indicated
(other markings indicated in the point description of the individual point).
USE CAF = 1.0 FOR STAKEOUT FOR THIS PROJECT
A PROJECT CAF OF 0.9999544036 HAS BEEN USED TO COMPUTE THE ABOVE GROUND COORDINATES.
THIS CAF IS INTENDED FOR USE WITHIN THE PROJECT LIMITS.
GRID DISTANCE = GROUND DISTANCE X CAF.
GRID COORDINATES ARE STORED UNDER FILE NAME s030351gi.ctl
HORIZONTAL DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88 POSITIONAL ACCURACY THIRD ORDER, UNLESS SPECIFIED OTHERWISE AT A SPECIFIC POINT.

REFERENCE POINTS (1500 SERIES) ARE TO BE USED TO ESTABLISH CONTROL IF THE PRIMARY CONTROL POINTS LISTED ABOVE HAVE BEEN DESTROYED.
REFERENCE POINTS ARE NOT TO BE USED FOR VERTICAL CONTROL

BASIS OF BEARING:
ARKANSAS STATE PLANE GRID BEARINGS - 0302-SOUTH ZONE
DETERMINED FROM GPS CONTROL POINTS: 410009 - 410009A
CONVERGENCE ANGLE: 01-08-22 LEFT AT LT: N 33-34-07 LG: W094-02-08
GRID AZIMUTH = ASTRONOMICAL AZIMUTH - CONVERGENCE ANGLE.

DETOUR 1

POINT NO.	TYPE	STATION	NORTHING	EASTING
8024	PC	1000+00.00	1641915.5404	690536.7109
8026	PT	1001+90.74	1642106.1988	690537.7953
8027	PC	1002+40.74	1642156.1498	690535.5836
8029	PT	1014+81.48	1643327.5171	690873.1475

DRY LANE

POINT NO.	TYPE	STATION	NORTHING	EASTING
8048	POB	10+00.00	1647524.0354	692013.5021
8049	PI	14+33.92	1647952.3871	691944.1865
8050	POE	18+50.00	1648368.1514	691928.0781

HWY. 71

POINT NO.	TYPE	STATION	NORTHING	EASTING
8000	POB	100+00.00	1641294.4080	690249.6181
8001	PC	105+32.76	1641824.3502	690304.3382
8003	PT	116+67.60	1642879.3506	690690.0134
8004	PC	141+93.38	1644966.7221	692112.1281
8006	PT	150+80.33	1645808.8797	692326.9483
8007	POE	195+00.00	1650207.1094	691892.1068

DETOUR 3

POINT NO.	TYPE	STATION	NORTHING	EASTING
8030	PC	3000+00.00	1642081.1400	690179.2953
8032	PT	3010+06.65	1642903.2758	690758.8278
8033	PC	3010+26.65	1642916.2950	690750.0101
8035	PT	3015+44.95	1643302.6209	691098.1446

HWY. 71 LT.

POINT NO.	TYPE	STATION	NORTHING	EASTING
8008	POB	100+00.00	1641354.7379	689999.2059
8009	PC	100+44.48	1641398.7214	690005.8606
8011	PT	117+83.37	1643001.0718	690641.7430
8012	PC	143+35.56	1645099.6667	692094.1745
8014	PT	151+03.81	1645828.1205	692282.8413
8015	POE	195+00.00	1650202.9771	691850.3105

DETOUR 2

POINT NO.	TYPE	STATION	NORTHING	EASTING
8036	PC	2000+00.00	1649108.7569	691963.0152
8038	PT	2003+69.22	1649477.4037	691962.3203
8039	PC	2003+89.22	1649497.3139	691964.2130
8041	PT	2007+58.44	1649865.9607	691963.5181

HWY. 71 RT.

POINT NO.	TYPE	STATION	NORTHING	EASTING
8016	POB	100+00.00	1641244.0500	690503.8286
8017	PC	109+72.28	1642214.8253	690557.8823
8019	PT	115+56.09	1642761.8496	690741.0415
8020	PC	140+61.61	1644842.9968	692136.1951
8022	PT	150+48.69	1645781.5301	692371.8571
8023	POE	195+00.00	1650211.2417	691933.9030

DETOUR 4

POINT NO.	TYPE	STATION	NORTHING	EASTING
8042	PC	4000+00.00	1649116.1360	692037.6513
8044	PT	4003+69.22	1649477.7817	691966.1441
8045	PC	4003+89.22	1649496.9359	691960.3892
8047	PT	4007+58.44	1649858.5816	691888.8820

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R030531.DGN

SURVEY CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	106	183
		SURVEY CONTROL DETAILS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

HWY. 71 LT.
P.I. = 109+29.26
Δ = 26°05'00" RT.
D = 1°30'00"
T = 884.78'
L = 1738.89'
P.C. = 100+44.48
P.T. = 117+83.37
e = 0.044'/'
Ls = 350'

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

C.L. HWY. 71 LT. STA. 107+50.00 4.50' RT. =
C.L. DETOUR 3 STA. 3000+00.00

P.O.B. 100+00.00
N 8°36'13" E
44.48'
8008
8009
P.C. 100+44.48
N 8°36'13" E
884.78'
P.C. 3000+00.00
8030
P.I. 109+29.26
HWY. 71 LT.
HWY. 71
P.I. 111+12.07
HWY. 71
P.I. = 111+12.07
Δ = 28°22'16" RT.
D = 2°30'00"
T = 579.31'
L = 1134.84'
P.C. = 105+32.76
P.T. = 116+67.60
P.I. 3005+15.31
N 19°11'11" E
515.31'
N 34°41'13" E
884.78'

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 108+20.00
BEGIN HWY. 71 LT.

DETOUR 3

P.O.B. 100+00.00
N 5°53'43" E
532.76'
8000
8001
N 5°53'43" E
579.31'
N 34°15'59" E
579.31'

C.L. HWY. 71 RT. STA. 106+72.28 4.50' LT =
C.L. DETOUR 1 STA. 1000+00.00

P.C. 105+32.76
PK nail
PDI STD ARDOT CAP STAMPED PK nail
P.C. 1000+00.00
P.I. 1001+90.74
DETOUR 1
N 2°32'07" W
643.15'
P.I. 112+71.35
PK nail
PDI STD ARDOT CAP STAMPED PK nail

SURVEY BASELINE
SURVEY BASELINE N06°33'57"E
820.50'
8024
N 3°11'13" E
95.45'
N 2°32'07" W
95.45'
8026
N 2°32'07" W
50.00'
8027
N 3°11'13" E
299.07'
8017
N 33°50'13" E
299.07'
P.O.B. 100+00.00
N 3°11'13" E
972.28'
8016
P.I. 1000+95.45
P.C. 1002+40.74
P.C. 109+72.28

HWY. 71 RT.
P.I. = 112+71.35
Δ = 30°39'00" RT.
D = 5°15'00"
T = 299.07'
L = 583.81'
P.C. = 109+72.28
P.T. = 115+56.09
e = 0.100'/'
Ls = 400'

STA. 106+72.28
BEGIN HWY. 71 RT.

DETOUR 1
P.I. = 1000+95.45
Δ = 5°43'20" LT.
D = 3°00'00"
T = 95.45'
L = 190.74'
P.C. = 1000+00.00
P.T. = 1001+90.74
NO SUPERELEVATION

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

DETOUR 3
P.I. = 3005+15.31
Δ = 30°11'58" RT.
D = 3°00'00"
T = 515.31'
L = 1006.65'
P.C. = 3000+00.00
P.T. = 3010+06.65
e = 0.058'/'
Ls = 300'

SURVEY CONTROL DETAILS

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	107	183
		SURVEY CONTROL DETAILS				

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P.I. 3005+15.31

N 34°41'13" E
884.78'

P.I. 1008+83.89

N 49°23'09" E
515.31'

N 34°15'59" E
579.31'

N 34°41'13" E
643.15'

8011

8029

C.L. HWY. 71 LT. STA. 121+83.49 4.50' RT =
C.L. DETOUR 1 STA. 1014+81.48

HWY. 71

HWY. 71 LT.

DETOUR 1

P.T. 1008+67.60

P.T. 1017+83.37

8003

DETOUR 3

8032

P.C. 3010+26.65

P.T. 3010+06.65

8033

N 49°23'09" E
20.00'

P.T. 1014+81.48

3015

P.T. 3015+44.95

PN:2
PD:STD ARDOT CAP STAMPED PN:2

PN:3
PD:STD ARDOT CAP STAMPED PN:3

SURVEY BASELINE N32°30'28"E
736.72'

N 33°50'13" E
299.07'

8019

N 49°23'09" E
260.75'

8035

SURVEY BASELINE

SURVEY BASELINE N33°41'46"E
827.41'

N 33°50'13" E
260.75'

P.I. 3012+87.40

P.T. 115+56.09

C.L. HWY. 71 RT. STA. 122+04.11 4.50' LT =
C.L. DETOUR 3 STA. 3015+44.95

HWY. 71 RT.

HWY. 71 RT.
P.I. = 112+71.35
Δ = 30°39'00" RT.
D = 5°15'00"
T = 299.07'
L = 583.81'
P.C. = 109+72.28
P.T. = 115+56.09
e = 0.100'/'
Ls = 400'

DETOUR 1
P.I. = 1008+83.89
Δ = 37°13'20" RT.
D = 3°00'00"
T = 643.15'
L = 1240.74'
P.C. = 1002+40.74
P.T. = 1014+81.48
e = 0.058'/'
Ls = 300'

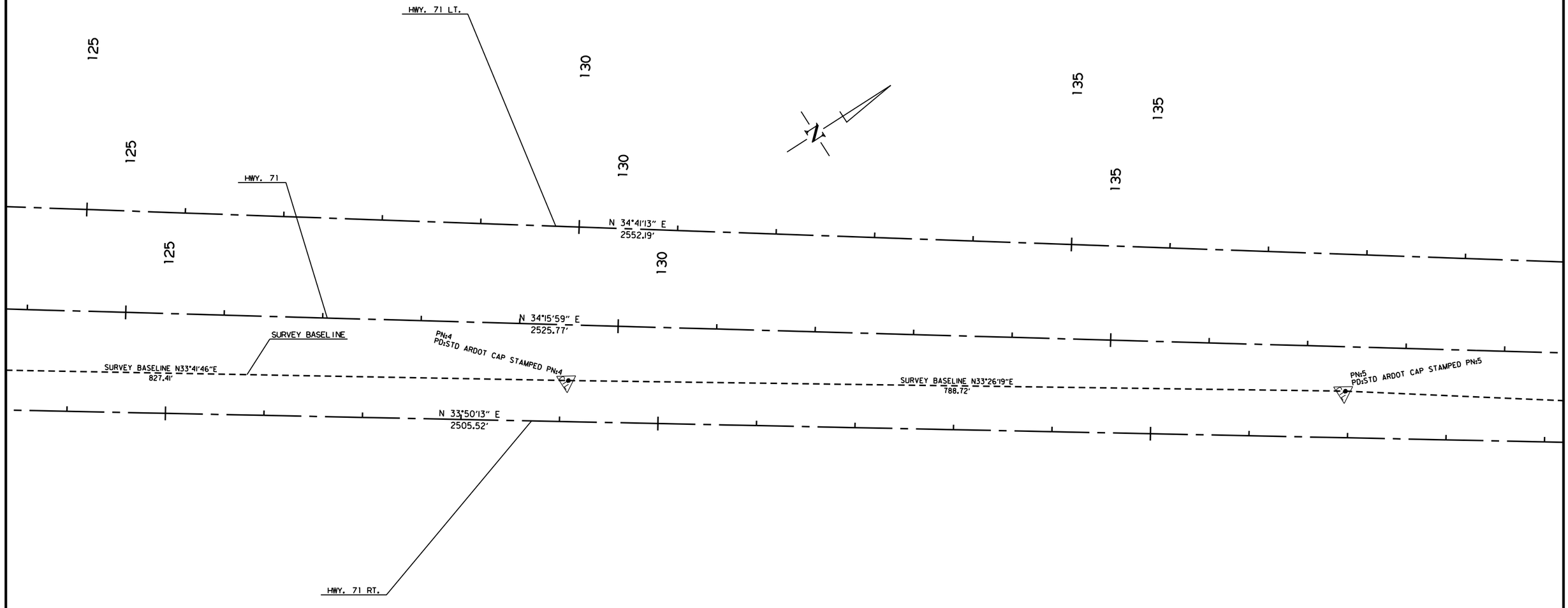
DETOUR 3
P.I. = 3012+87.40
Δ = 15°32'56" LT.
D = 3°00'00"
T = 260.75'
L = 518.30'
P.C. = 3010+26.65
P.T. = 3015+44.95
e = 0.058'/'
Ls = 300'

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SURVEY CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	108	183
		SURVEY CONTROL DETAILS				

STATE OF ARKANSAS
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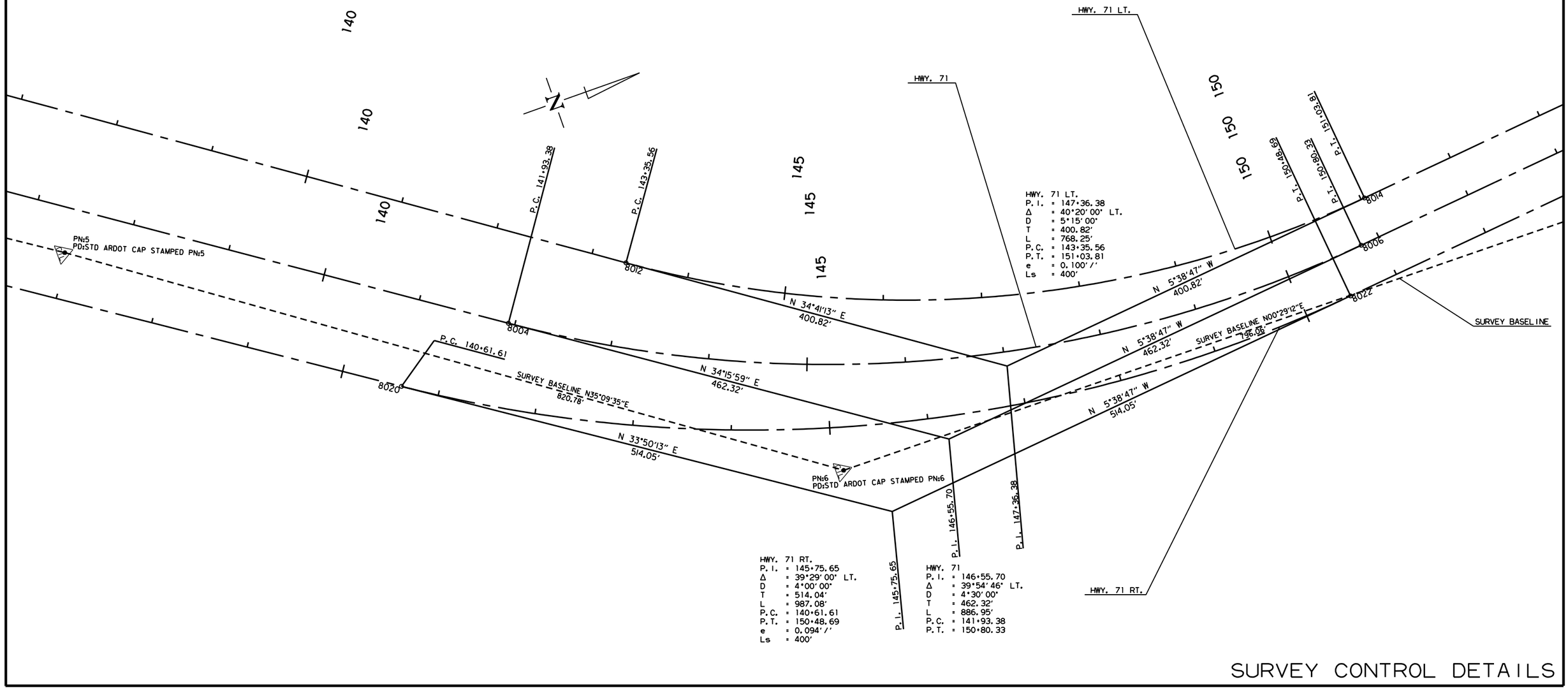
MM41715 6/15/2026
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SURVEY CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	109	183
		SURVEY CONTROL DETAILS				

STATE OF ARKANSAS
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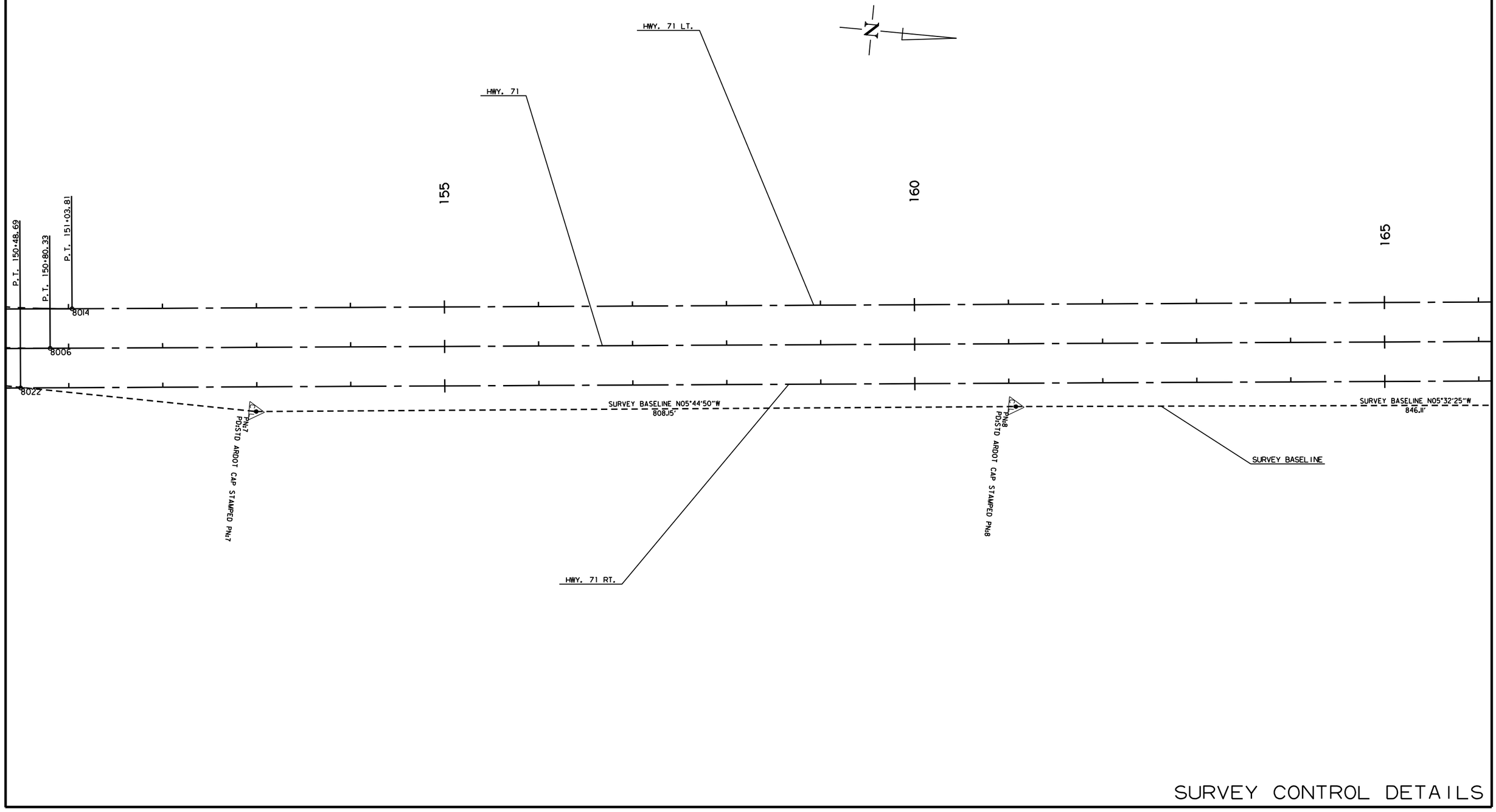
SURVEY CONTROL DETAILS

WM41715 6/15/2026
R030531.DGN MicroStation v8.11.9.578

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	110	183
		SURVEY CONTROL DETAILS				

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SURVEY CONTROL DETAILS

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	111	183
		SURVEY CONTROL DETAILS				

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10 15 165 170 175 180

DRY LANE

C.L. HWY. 71 LT. STA. 168+18.00 101.18' LT =
C.L. DRY LANE STA. 10+00.00

P.O.B. 10+00.00

HWY. 71 LT.

HWY. 71

P.I. 14+33.92
Δ = 6°58'23" RT.

N 9°11'31" W
433.92'

8048

8049

C.L. HWY. 71 LT. STA. 176+66.43 103.13' LT =
C.L. DRY LANE STA. 18+50.00

P.O.E. 18+50.00

N 2°13'08" W
416.08'

8050

N 5°38'47" W
4396.19'

N 5°38'47" W
4419.67'

N 5°38'47" W
4451.31'

SURVEY BASELINE N05°32'25"W
846.11'

PN:9
PD:STD ARDOT CAP STAMPED PN:9

SURVEY BASELINE N05°45'43"W
831.06'

PN:10
PD:STD ARDOT CAP STAMPED PN:10

SURVEY BASELINE

HWY. 71 RT.

180 185 4000 2000 2005 4005 190 195

STA. 184+00.00
END HWY. 71 LT.

C.L. HWY. 71 STA. 184+00.00 42.00' LT. =
C.L. HWY. 71 LT. STA. 184+00.00

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT =
C.L. DETOUR 2 STA. 2000+00.00

DETOUR 4
P.I. = 4001+85.19
Δ = 11°04'36" LT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 4000+00.00
P.T. = 4003+69.22
NO SUPERELEVATION

STA. 184+00.00
END JOB 030531

DETOUR 2

P.I. 2001+85.19

P.I. 4005+74.41

DETOUR 4

DETOUR 2
P.I. = 2005+74.41
Δ = 11°04'36" LT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 2003+89.22
P.T. = 2007+58.44
NO SUPERELEVATION

C.L. HWY. 71 LT. STA. 191+53.48 4.50' RT =
C.L. DETOUR 4 STA. 4007+58.44

P.C. 2000+00.00

8036 N 5°38'47" W
185.19'

N 5°25'49" E
185.19'

N 5°25'49" E
20.00'

P.T. 4003+69.22

P.C. 2003+89.22

8038

8045

N 16°43'23" W
185.19'

N 5°38'47" W
185.19'

8047

P.T. 4007+58.44

P.O.E. 195+00.00
8015

P.C. 4000+00.00

8042

N 16°43'23" W
185.19'

8044

N 16°43'23" W
20.00'

8039

N 5°25'49" E
185.19'

N 5°38'47" W
185.19'

8041

P.T. 2007+58.44

P.O.E. 195+00.00
8007

N 5°38'47" W
185.19'

P.O.E. 195+00.00
8023

C.L. HWY. 71 RT. STA. 184+00.00 4.50' LT =
C.L. DETOUR 4 STA. 4000+00.00

PN:11
PD:STD ARDOT CAP STAMPED PN:11

SURVEY BASELINE N05°40'59"W
622.23'

PN:12
PD:STD ARDOT CAP STAMPED PN:12

DETOUR 2
P.I. = 2001+85.19
Δ = 11°04'36" RT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 2000+00.00
P.T. = 2003+69.22
NO SUPERELEVATION

P.I. 4001+85.19

P.T. 2003+69.22

P.C. 4003+89.22

P.I. 2005+74.41

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

STA. 184+00.00
END HWY. 71 RT.

SURVEY BASELINE

HWY. 71 RT.

DETOUR 4
P.I. = 4005+74.41
Δ = 11°04'36" RT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 4003+89.22
P.T. = 4007+58.44
NO SUPERELEVATION

C.L. HWY. 71 RT. STA. 191+53.48 4.50' LT =
C.L. DETOUR 2 STA. 2007+58.44

SURVEY CONTROL DETAILS

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	112	183
		PLAN AND PROFILE SHEETS				

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REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.
106+54	107+91	RT.	127
108+11	140+45	RT.	3207

GUARDRAIL

STA.	STA.	SIDE	(TYPE A) LIN. FT.	(TYPE 2) EACH
107+20	109+57	LT.	200	1
107+20	109+57	LT.	200	1

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
105+88	107+87	RT.	A	193	1
108+11	171+55	RT.	A	6392	4

HWY. 71 LT.
P.I. = 109+29.26
Δ = 26°05'00" RT.
D = 1°30'00"
T = 884.78'
L = 1738.89'
P.C. = 100+44.48
P.T. = 117+83.37
e = 0.044'/'
Ls = 350'

C.L. HWY. 71 STA. 108+25.01 158.31' LT. =
C.L. HWY. 71 LT. STA. 108+20.00

STA. 114+00 IN PLACE
24" X 63' R.C. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND INSTALL
24" X 84' R.C. PIPE CULVERT
LT. SIDE DRAIN
CONSTRUCT APPROACH ON LT. = 475 CU. YD.

STA. 114+41 IN PLACE
24" X 69' R.C. PIPE CULV'T
REMOVE AND CONSTRUCT
24" X 112' PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
24" R.C. PIPE = 112 LIN. FT.
24" F.E.S. = 2 EACH

STA. 106+59.99
BEGIN JOB 030531
LOG MILE 0.18

STA. 108+20.00
BEGIN HWY. 71 LT.

STA. 106+72.28
BEGIN HWY. 71 RT.

C.L. HWY. 71 STA. 106+59.99 223.09' RT. =
C.L. HWY. 71 RT. STA. 106+72.28

HWY. 71
P.I. = 111+12.07
Δ = 28°22'16" RT.
D = 2°30'00"
T = 579.31'
L = 1134.84'
P.C. = 105+32.76
P.T. = 116+67.60

HWY. 71 RT.
P.I. = 112+71.35
Δ = 30°39'00" RT.
D = 5°15'00"
T = 299.07'
L = 583.81'
P.C. = 109+72.28
P.T. = 115+56.09
e = 0.100'/'
Ls = 400'

STA. 114+25 INPLACE
24" X 35' PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 44' PIPE CULVERT
RT. SIDE DRAIN
CONSTRUCT APPROACH ON RT. = 150 CU. YD.

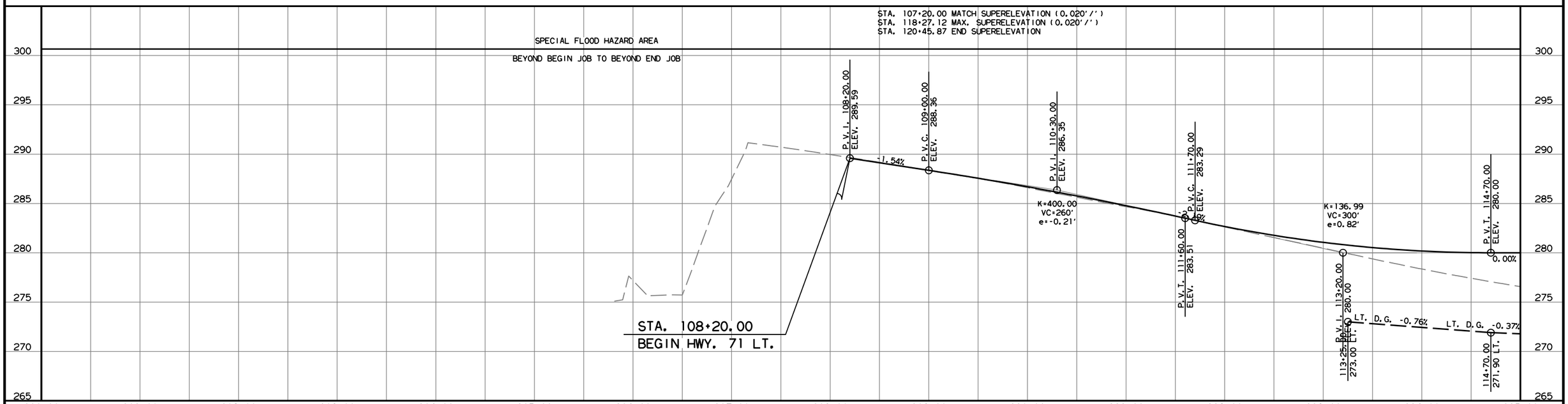
HWY. 71

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	113	183
		PLAN AND PROFILE SHEETS				

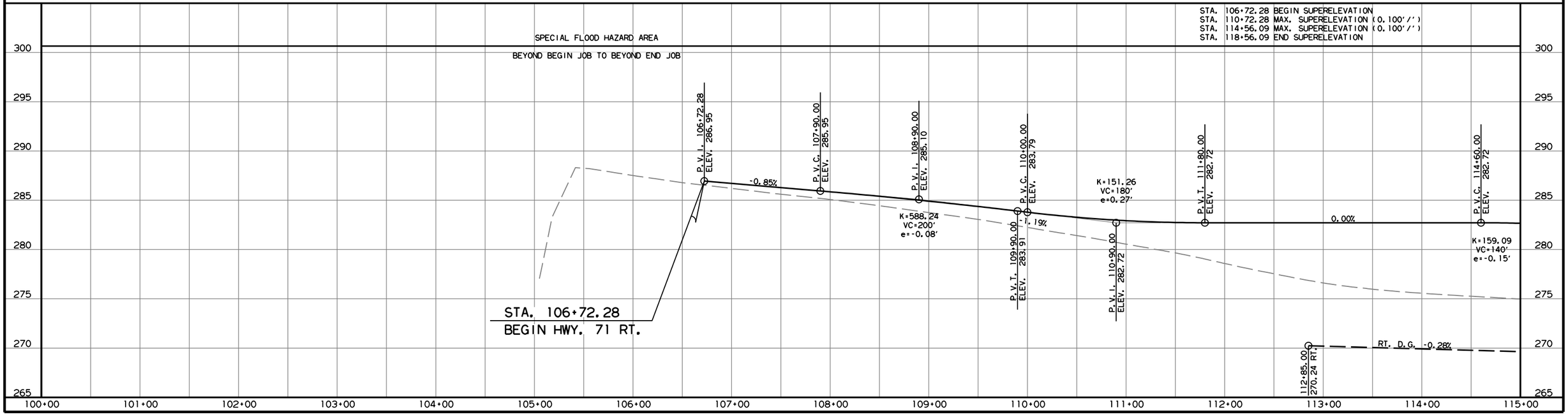
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HWY. 71 LT.



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

HWY. 71 RT.



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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	114	183
		PLAN AND PROFILE SHEETS				

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STA. 115+45 LT.
ARDOT DYNAMIC MESSAGE SIGN.
R.E. TO COORDINATE WITH TSMO PRIOR TO CONSTRUCTION.

HWY. 71 LT.
P.I. = 109+29.26
Δ = 26°05'00" RT.
D = 1°30'00"
T = 884.78'
L = 1738.89'
P.C. = 100+44.48
P.T. = 117+83.37
e = 0.044'/'
Ls = 350'

200' TAPER

REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.
116+33	136+32	LT.	2003

STA. 118+06 IN PLACE
18" X 35' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
18" X 60' PIPE CULVERT
CONSTRUCT APPROACH ON LT. = 480 CU. YD.

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
108+11	171+55	RT.	A	6392	4
116+34	183+50	LT.	A	6623	6

HWY. 71
HWY. 71 LT.
PROP. R/W & C/A
CONST. LIMITS
P.T. 117+83.37
P.T. 116+67.60
P.T. 115+56.09
T.C.E.
END EXIST. C/A
BEGIN PROP. C/A
END C/A
BEGIN C/A
WESTERN BELL
100' TAPER
200' TAPER
N 34°41'13" E
N 34°15'59" E
N 33°50'13" E

STA. 128+30 IN PLACE
18" X 36' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 60' PIPE CULVERT
CONSTRUCT APPROACH ON LT. = 595 CU. YD.

STA. 115+40 CONSTRUCT
24" X 122' R.C. PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
24" R.C. PIPE = 122 LIN. FT.
24" F.E.S. = 2 EACH

STA. 115+50 IN PLACE
24" X 95' PIPE CULV'T
CROSS DRAIN W/ F.E.S. LT. & RT.
REMOVE

HWY. 71
P.I. = 111+12.07
Δ = 28°22'16" RT.
D = 2°30'00"
T = 579.31'
L = 1134.84'
P.C. = 105+32.76
P.T. = 116+67.60

STA. 115+73 IN PLACE
24" X 36' C.M. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 46' PIPE CULVERT
CONSTRUCT APPROACH ON RT. = 165 CU. YD.

HWY. 71 RT.
P.I. = 112+71.35
Δ = 30°39'00" RT.
D = 5°15'00"
T = 299.07'
L = 583.81'
P.C. = 109+72.28
P.T. = 115+56.09
e = 0.100'/'
Ls = 400'

STA. 121+22 IN PLACE
18" X 36' C.M. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 48' R.C. PIPE CULVERT
CONSTRUCT APPROACH ON RT. = 205 CU. YD.

HWY. 71 RT.

HWY. 71

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	115	183
		PLAN AND PROFILE SHEETS				

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HWY. 71 LT.

STA. 107+50.00 MATCH SUPERELEVATION (0.020'/')
STA. 118+27.12 MAX. SUPERELEVATION (0.020'/')
STA. 120+45.87 END SUPERELEVATION

SPECIAL FLOOD HAZARD AREA
BEYOND BEGIN JOB TO BEYOND END JOB

0.00%

LT. DITCH GRADE -0.37%

126+00.00
267.70 LT.

127+00.00
272.98 RT.

RT. DITCH GRADE -2.09%

RT. DITCH GRADE -2.43%

LT. DITCH GRADE -0.59%

129+00.00
268.80 RT.

290 285 280 275 270 265 260 255

115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00

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

HWY. 71 RT.

STA. 106+72.28 BEGIN SUPERELEVATION
STA. 110+72.28 MAX. SUPERELEVATION (0.100'/')
STA. 114+56.09 MAX. SUPERELEVATION (0.100'/')
STA. 118+56.09 END SUPERELEVATION

SPECIAL FLOOD HAZARD AREA
BEYOND BEGIN JOB TO BEYOND END JOB

P.V.I. 115+30.00
ELEV. 282.72

0.00%

K=159.09
VC=140'
e=-0.15'

P.V.T. 116+00.00
ELEV. 282.11

-0.88%

P.V.C. 117+70.00
ELEV. 280.61

K=159.09
VC=140'
e=0.15'

P.V.I. 118+40.00
ELEV. 280.00

P.V.T. 119+10.00
ELEV. 280.00

0.00%

+40

F.L. INLET L.T. = 269.86
F.L. OUTLET R.T. = 269.54

RT. D.G. -0.28%

125+00.00
273.73 LT.

L.T. D.G. -1.97%

128+00.00
266.00 RT.

RT. D.G. -1.45%

130+00.00
263.87 LT.

290 285 280 275 270 265 260 255

115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	116	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

STA. 131+00 IN PLACE
DROP INLET IN MEDIAN
8' X 4' X 69' R.C. BOX CULV'T INLET
DBL. 36" R.C. PIPE OUTLET
REMOVE AND CONSTRUCT
DBL. 54" X 122' R.C. PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
54" R.C. PIPE = 244 LIN. FT.
54" F.E.S. = 4 EACH

STA. 134+50 IN PLACE
18" X 27" C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
CONSTRUCT APPROACH ON LT. = 200 CU. YD.

STA. 138+07 IN PLACE
8' X 4' X 110' R.C. BOX CULV'T ON LT.
REMOVE AND CONSTRUCT
DBL. 54" X 128' R.C. PIPE CULV'T ON LT.
(CLASS III) (TYPE 3 BEDDING) W/ FES
54" R.C. PIPE = 256 LIN. FT.
54" F.E.S. = 4 EACH

STA. 137+00 TO STA. 137+95
CONC. DITCH PAVING (TYPE B) = 66.71 SQ. YD.

HWY. 71
P.I. = 146+55.70
Δ = 39°54'46" LT.
D = 4°30'00"
T = 462.32'
L = 886.95'
P.C. = 141+93.38
P.T. = 150+80.33

HWY. 71 LT.
P.I. = 147+36.38
Δ = 40°20'00" LT.
D = 5°15'00"
T = 400.82'
L = 768.25'
P.C. = 143+35.56
P.T. = 151+03.81
e = 0.100'/'
Ls = 400'

STA. 144+35 IN PLACE
8' X 4' X 85' R.C. BOX CULV'T ON LT.
REMOVE AND CONSTRUCT
DBL. 54" X 108' R.C. PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
54" R.C. PIPE = 216 LIN. FT.
54" F.E.S. = 4 EACH

STA. 143+62 TO STA. 145+76
CONC. DITCH PAVING (TYPE B) = 150.28 SQ. YD.

STA. 130+10 IN PLACE
DROP INLET IN MEDIAN
36" X 81' R.C. PIPE CULV'T
REMOVE AND CONSTRUCT
DBL. 54" X 128' R.C. PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
54" R.C. PIPE = 256 LIN. FT.
54" F.E.S. = 4 EACH

STA. 137+20 IN PLACE
8' X 4' X 96' R.C. BOX CULV'T ON RT.
REMOVE AND CONSTRUCT
DBL. 54" X 132' R.C. PIPE CULV'T ON RT.
(CLASS III) (TYPE 3 BEDDING) W/ FES
54" R.C. PIPE = 264 LIN. FT.
54" F.E.S. = 4 EACH

STA. 139+50 IN PLACE
24" X 38' C.M. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 82' R.C. PIPE CULVERT
CONSTRUCT APPROACH ON RT. = 1365 CU. YD.

HWY. 71 RT.
P.I. = 145+75.65
Δ = 39°29'00" LT.
D = 4°00'00"
T = 514.04'
L = 987.08'
P.C. = 140+61.61
P.T. = 150+48.69
e = 0.094'/'
Ls = 400'

REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.
136+32	136+60	LT.	45
136+32	147+11	LT.	1028
	140+45	RT.	25
140+45	167+38	RT.	2783

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
108+11	171+55	RT.	A	6392	4
116+34	183+50	LT.	A	6623	6

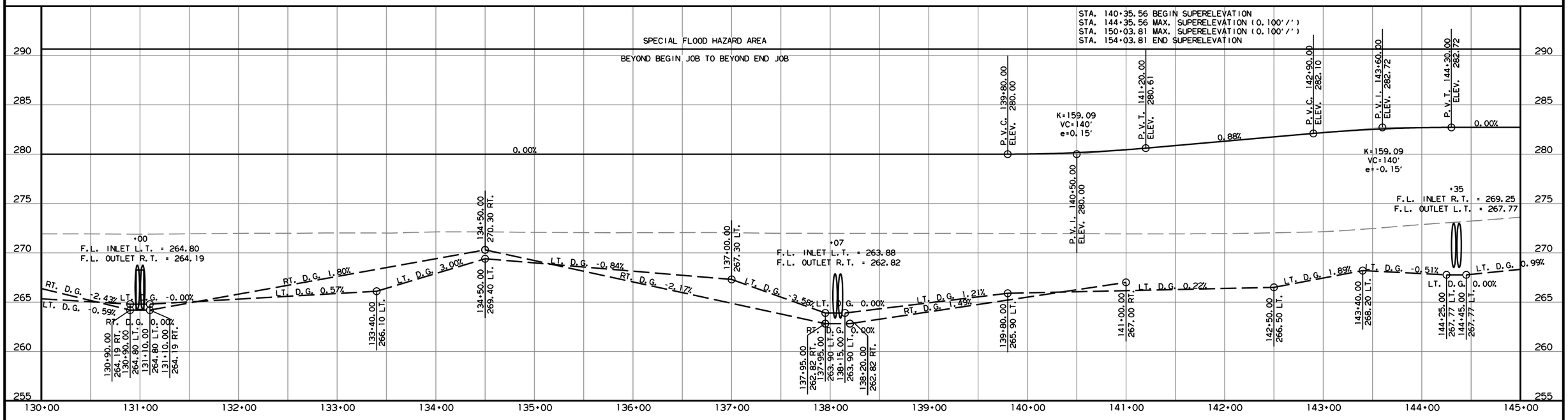
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HWY. 71

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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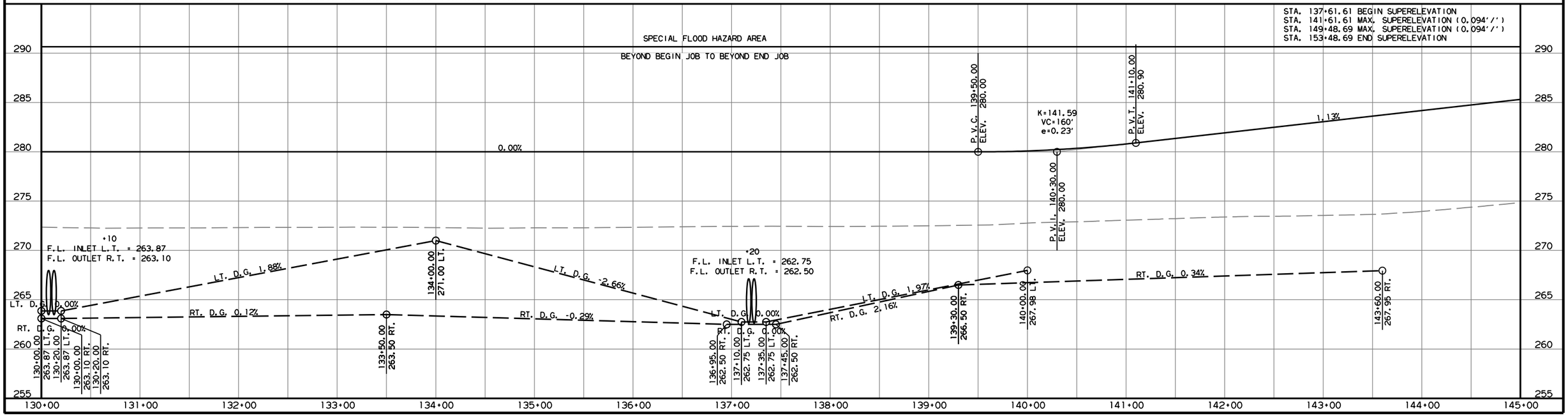
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	117	183
		PLAN AND PROFILE SHEETS				

HWY. 71 LT.



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

HWY. 71 RT.



DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	118	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
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HWY. 71
P.I. = 146+55.70
Δ = 39°54'46" LT.
D = 4°30'00"
T = 462.32'
L = 886.95'
P.C. = 141+93.38
P.T. = 150+80.33

HWY. 71 LT.
P.I. = 147+36.38
Δ = 40°20'00" LT.
D = 5°15'00"
T = 400.82'
L = 768.25'
P.C. = 143+35.56
P.T. = 151+03.81
e = 0.100'/'
Ls = 400'

STA. 147+38 IN PLACE
24" X 66' R.C. PIPE CULV'T
REMOVE AND CONSTRUCT
24" X 70' R.C. PIPE CULV'T
(CLASS III) (TYPE 3 BEDDING) W/ FES
24" R.C. PIPE = 70 LIN. FT.
24" F.E.S. = 2 EACH

STA. 147+47 IN PLACE
24" X 48' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 36' R.C. PIPE CULVERT
CONSTRUCT APPROACH ON LT. = 85 CU. YD.

C.L. HWY. 71 STA. 151+03.81 42.00' LT. =
C.L. HWY. 71 LT. STA. 151+03.81

STA. 152+00 IN PLACE
PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
CONSTRUCT APPROACH ON LT. = 80 CU. YD.

STA. 155+00 CONSTRUCT
DROP INLET IN MEDIAN
AND 18" X 92' PIPE OUTLET WITH F.E.S.
DROP INLET H = 3'-6"
TYPE RM DROP INLET = 4' X 3'
18" R.C. PIPE (CLASS III) = 92 LIN. FT.
18" F.E.S. = 1 EACH

STA. 158+00 CONSTRUCT
DROP INLET IN MEDIAN
AND 18" X 92' PIPE OUTLET WITH F.E.S.
DROP INLET H = 3'-6"
TYPE RM DROP INLET = 4' X 3'
18" R.C. PIPE (CLASS III) = 92 LIN. FT.
18" F.E.S. = 1 EACH

HWY. 71
HWY. 71 LT.
200' TAPER
P.I. 145+75.65
P.I. 146+55.70
P.I. 147+36.38
P.T. 150+80.33
P.T. 150+48.69
N 5°38'47" W
CONST. LIMITS
PROP. R/W & C/A
T.C.E.
C.L. HWY. 71 STA. 151+03.81 42.00' RT. =
C.L. HWY. 71 RT. STA. 151+03.81
HWY. 71 RT.

STA. 147+25 IN PLACE
24" X 26' R.C. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND INSTALL
24" X 108' R.C. PIPE CULVERT
RT. SIDE DRAIN
CONSTRUCT APPROACH ON RT. = 3680 CU. YD.

HWY. 71 RT.
P.I. = 145+75.65
Δ = 39°29'00" LT.
D = 4°00'00"
T = 514.04'
L = 987.08'
P.C. = 140+61.61
P.T. = 150+48.69
e = 0.094'/'
Ls = 400'

REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.	GATE
	147+33	LT.		1
147+53	159+23	LT.	1144	
159+23	159+24	LT.	26	
159+51	166+03	LT.	654	

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
108+11	171+55	RT.	A	6392	4
116+34	183+50	LT.	A	6623	6

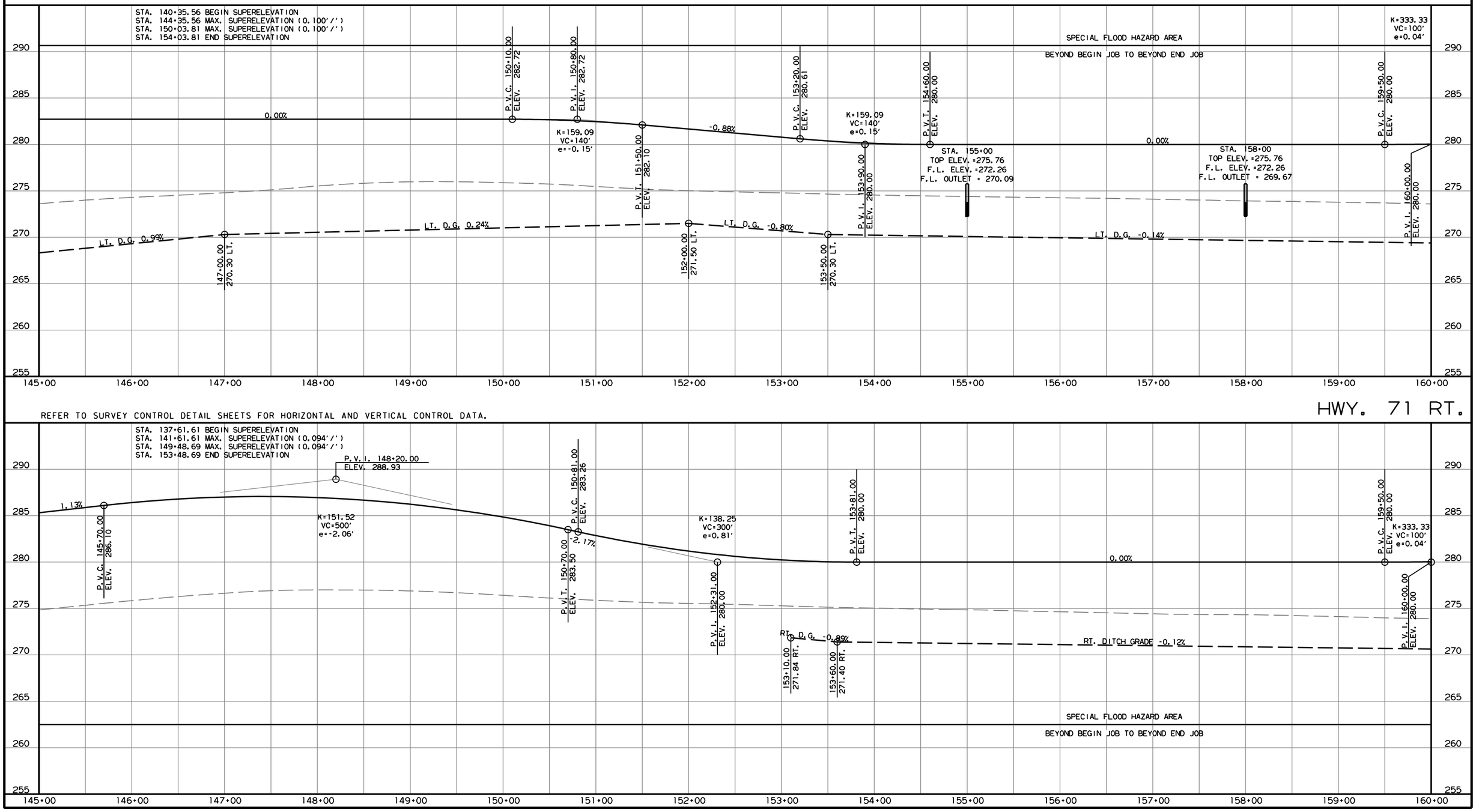
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HWY. 71

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	119	183
		PLAN AND PROFILE SHEETS				

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HWY. 71 LT.



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

HWY. 71 RT.

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	120	183
		PLAN AND PROFILE SHEETS				

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REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.	GATE
167+25	168+18	LT.	93	
167+74	175+87	LT.	840	
	167+38	RT.	15	
	167+62	RT.	19	
167+62	171+55	RT.	400	
169+78	182+17	LT.	1239	
172+45	181+29	RT.	906	
	173+14	LT.		1

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
108+11	171+55	RT.	A	6392	4
116+34	183+50	LT.	A	6623	6
167+74	175+87	LT.	D-1	816	
172+45	182+80	RT.	A	1035	

STA. 162+50 IN PLACE
24" X 66' R.C. PIPE CULV'T W/ FES IN MEDIAN
REMOVE

STA. 166+00 IN PLACE
DROP INLET IN MEDIAN
AND 24" X 92' R.C. PIPE CULV'T W/ FES
AND 30" X 87' R.C. PIPE CULV'T W/ FES
AND 18" X 13' R.C. PIPE CULV'T W/ FES
AND 18" X 13' R.C. PIPE CULV'T W/ FES
REMOVE

STA. 167+00 CONSTRUCT
DROP INLET IN MEDIAN
AND 30" X 92' PIPE INLET WITH F.E.S.
AND 30" X 96' PIPE OUTLET WITH F.E.S.
DROP INLET H = 6'-8"
TYPE RM DROP INLET = 4' X 3'
30" R.C. PIPE (CLASS III) = 188 LIN. FT.
30" F.E.S. = 2 EACH

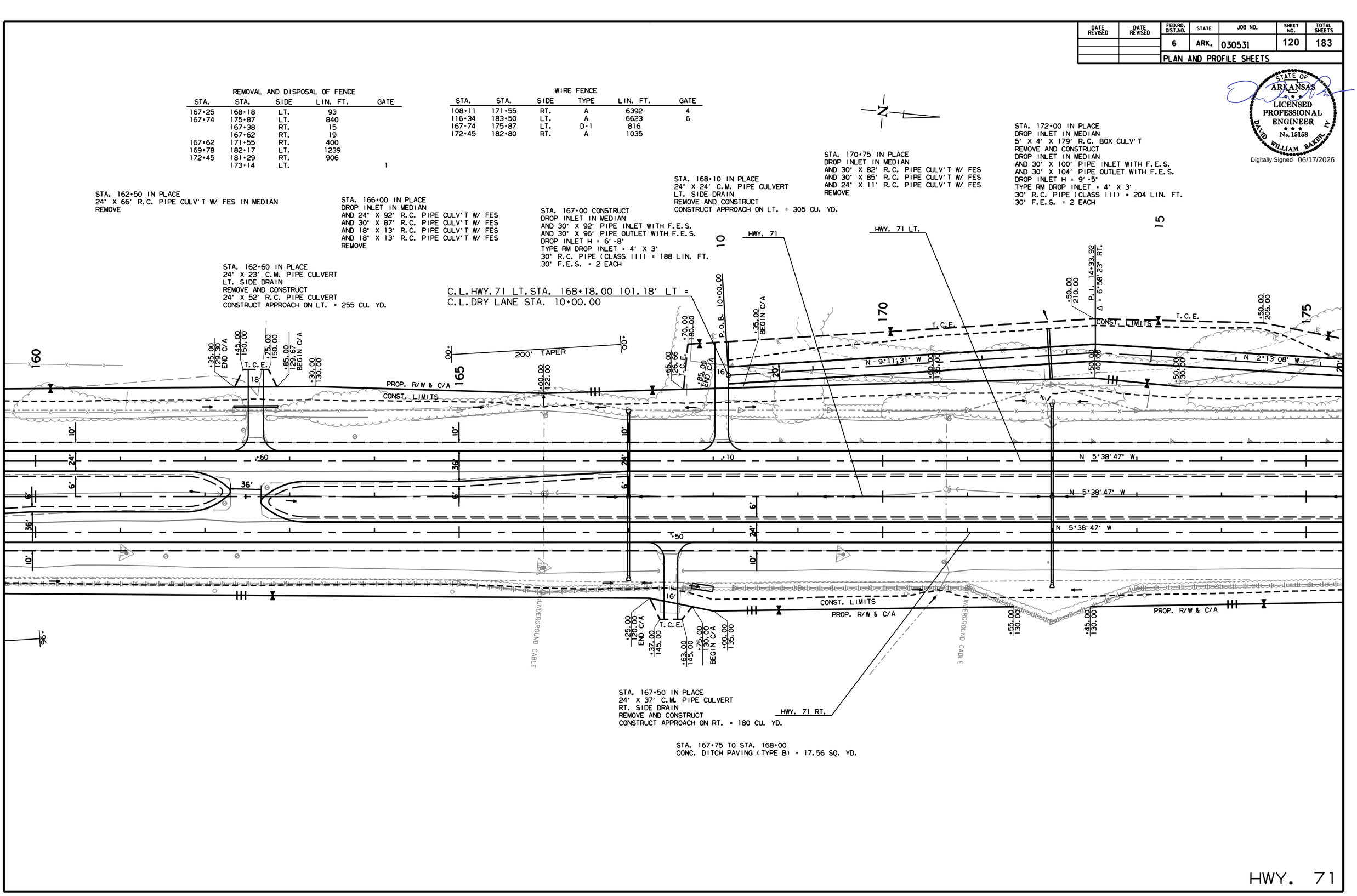
STA. 168+10 IN PLACE
24" X 24' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
CONSTRUCT APPROACH ON LT. = 305 CU. YD.

STA. 170+75 IN PLACE
DROP INLET IN MEDIAN
AND 30" X 82' R.C. PIPE CULV'T W/ FES
AND 30" X 85' R.C. PIPE CULV'T W/ FES
AND 24" X 11' R.C. PIPE CULV'T W/ FES
REMOVE

STA. 172+00 IN PLACE
DROP INLET IN MEDIAN
5' X 4' X 179' R.C. BOX CULV'T
REMOVE AND CONSTRUCT
DROP INLET IN MEDIAN
AND 30" X 100' PIPE INLET WITH F.E.S.
AND 30" X 104' PIPE OUTLET WITH F.E.S.
DROP INLET H = 9'-5"
TYPE RM DROP INLET = 4' X 3'
30" R.C. PIPE (CLASS III) = 204 LIN. FT.
30" F.E.S. = 2 EACH

STA. 162+60 IN PLACE
24" X 23' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
24" X 52' R.C. PIPE CULVERT
CONSTRUCT APPROACH ON LT. = 255 CU. YD.

C.L. HWY. 71 LT. STA. 168+18.00 101.18' LT =
C.L. DRY LANE STA. 10+00.00



STA. 167+50 IN PLACE
24" X 37' C.M. PIPE CULVERT
RT. SIDE DRAIN
REMOVE AND CONSTRUCT
CONSTRUCT APPROACH ON RT. = 180 CU. YD.

STA. 167+75 TO STA. 168+00
CONC. DITCH PAVING (TYPE B) = 17.56 SQ. YD.

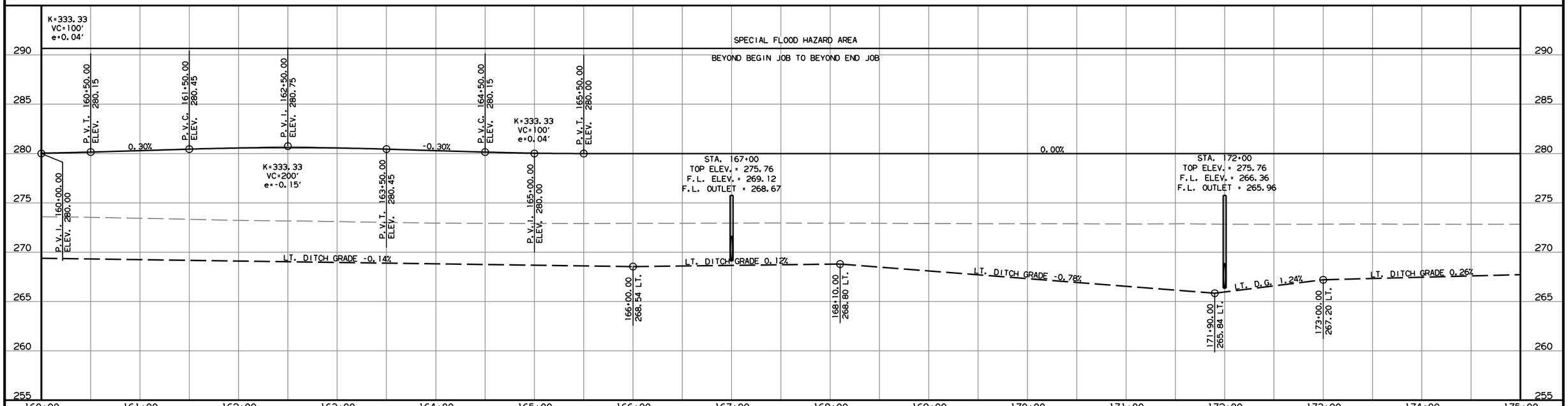
HWY. 71

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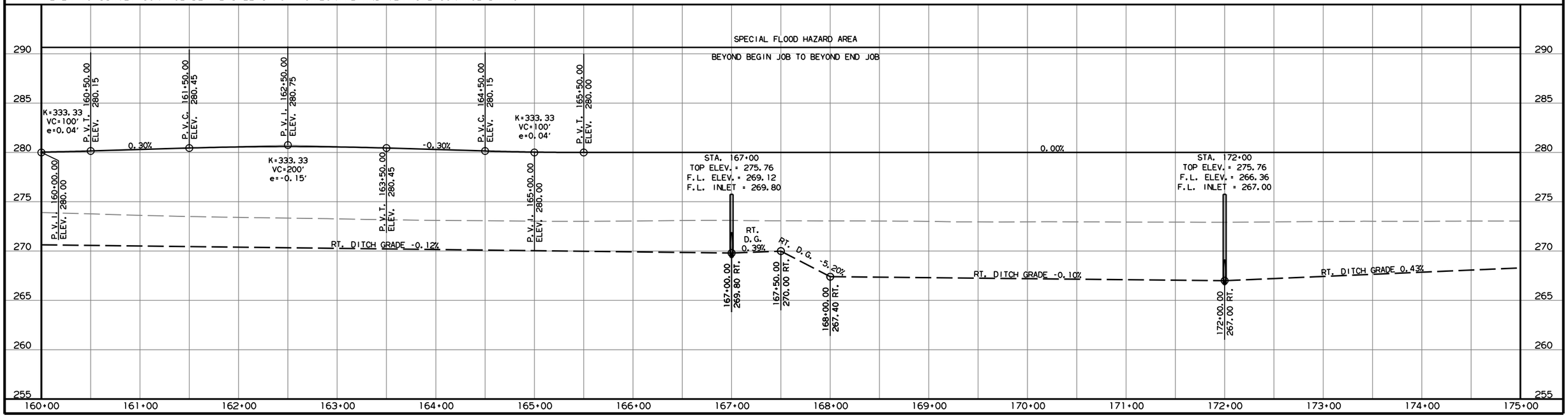
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	121	183
		PLAN AND PROFILE SHEETS				

HWY. 71 LT.



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

HWY. 71 RT.



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		PLAN AND PROFILE SHEETS				

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C.L. HWY. 71 LT. STA. 176+66.43 103.13' LT =
C.L. DRY LANE STA. 18+50.00

STA. 184+00.00
END HWY. 71 LT.

STA. 184+00.00
END JOB 030531

STA. 179+00 CONSTRUCT
DROP INLET IN MEDIAN
AND 18" X 96' PIPE OUTLET WITH F.E.S.
DROP INLET H = 3'-6"
TYPE RM DROP INLET = 4' X 3'
18" R.C. PIPE (CLASS III) = 96 LIN. FT.
18" F.E.S. = 1 EACH

STA. 180+90 IN PLACE
24" X 30' C.P. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND INSTALL
24" X 42' R.C. PIPE CULVERT
LT. SIDE DRAIN
CONSTRUCT APPROACH ON LT. = 120 CU. YD.

175 | 180 | 185 | 190

+50.00 165.00 P.O.E. 18+50.00
+00.00 127.67
08" W
20'
PROP. R/W & C/A
CONST. LIMITS
+65.00 END C/A
+00.00 125.00
+15.00 BEGIN C/A
+80.00 110.00
16'
END PROP. C/A
+50.00 107.00
+00 100' TRANSITION +00
C.L. HWY. 71 STA. 184+00.00 42.00' LT. =
C.L. HWY. 71 LT. STA. 184+00.00

10' | 24' | 90° | 24' | 10'
6'
N 5°38'47" W
6'
N 5°38'47" W
24'
N 5°38'47" W
10'

STA. 181+00 TO STA. 185+00
CONC. DITCH PAVING (TYPE B) = 280.89 SQ. YD.

STA. 186+00.00 TO STA. 187+00
CONC. DITCH PAVING (TYPE B) = 70.22 SQ. YD.

CONST. LIMITS
PROP. R/W & C/A

END PROP. C/A
BEGIN EXIST. C/A
+80.00 112.00
+00.00 115.50
+50.00 140.00
T.C.E.
+40.00 131.50

STA. 184+00.00
END HWY. 71 RT.

+00 100' TRANSITION +00

C.L. HWY. 71 STA. 184+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 184+00.00

STA. 190+00 IN PLACE
18" X 30' C.P. PIPE CULVERT
RT. SIDE DRAIN
RETAIN

STA. 181+00 TO STA. 185+00
CONC. DITCH PAVING (TYPE B) = 280.89 SQ. YD.

REMOVAL AND DISPOSAL OF FENCE

STA.	STA.	SIDE	LIN. FT.
181+29	182+80	RT.	151
183+34	183+82	RT.	50

WIRE FENCE

STA.	STA.	SIDE	TYPE	LIN. FT.	GATE
116+34	183+50	LT.	A	6623	6
172+45	182+80	RT.	A	1035	
183+34	183+82	RT.	A	50	

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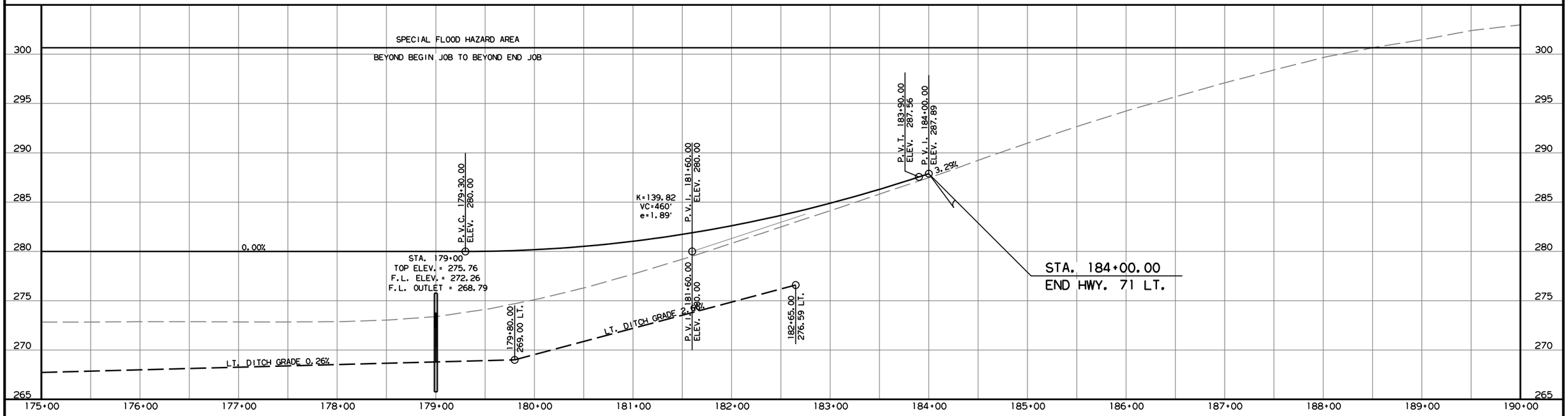
HWY. 71

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
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		PLAN AND PROFILE SHEETS				

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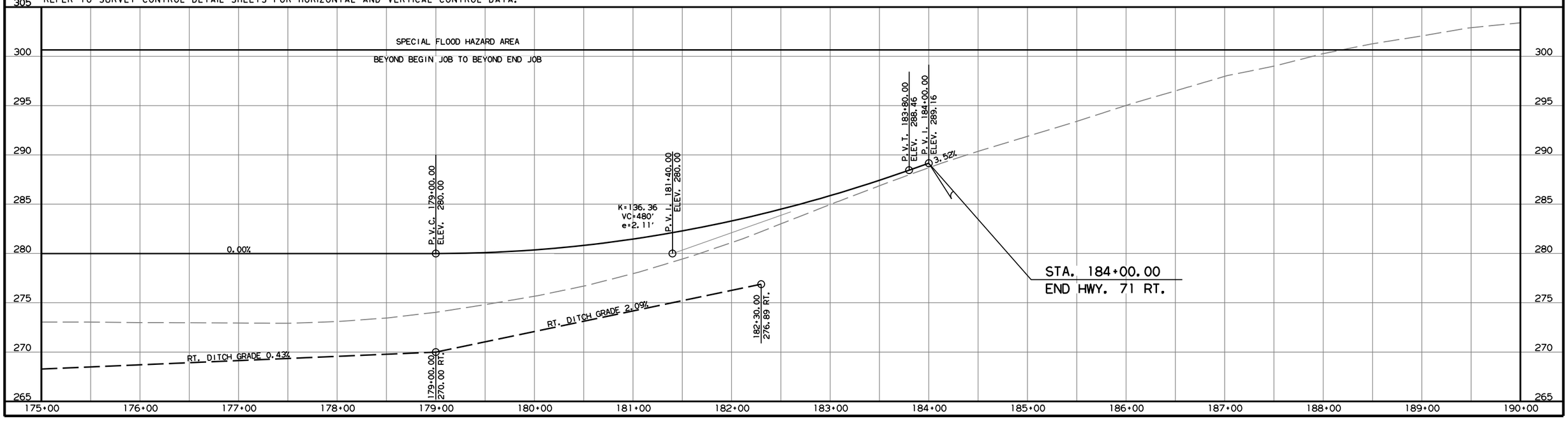
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HWY. 71 LT.



HWY. 71 RT.

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



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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	124	183
		PLAN AND PROFILE SHEETS				

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DRY LANE

C.L. HWY. 71 LT. STA. 168+18.00 101.18' LT =
C.L. DRY LANE STA. 10+00.00

STA. 10+00.00
BEGIN DRY LANE

STA. 13+80 IN PLACE
30" X 18' x PIPE CULV'T
REMOVE AND CONSTRUCT
30" X 60' SIDE DRAIN

STA. 18+30.00
END DRY LANE

C.L. HWY. 71 LT. STA. 176+66.43 103.13' LT =
C.L. DRY LANE STA. 18+50.00

200' TAPER

P.O.B. 10+00.00
+35.00 BEGIN C/A
+65.00 126.66 T.C.E.
+70.00 180.00
+85.00 END C/A
+00.00 22.00
+50.00 210.00 P.I. 14+33.92 Δ = 6°58'23" RT.
+50.00 205.00
+50.00 155.00 P.O.E. 18+50.00
+00.00 127.67
+50.00 130.00
+50.00 140.00
+50.00 130.00
+50.00 135.00

COMPACTED EMBANKMENT

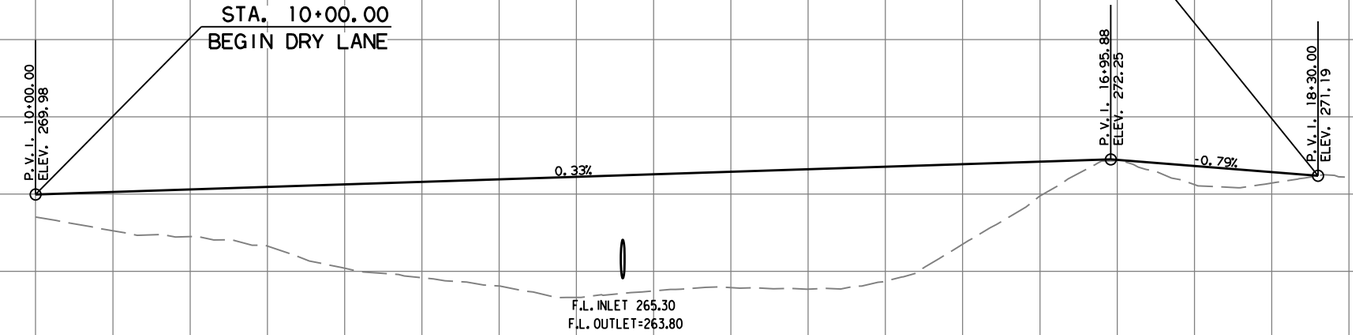
T.C.E.
CONST. LIMITS
N 9°11'31" W
N 2°13'08" W
N 5°38'47" W
PROP. R/W & C/A
CONST. LIMITS

165 170 175

10' 24' 6' 10' 16' 20' 20'

+10 +50

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



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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	125	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
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Digitally Signed 06/17/2026

DETOUR 1
P.I. = 1000+95.45
Δ = 5°43'20" LT.
D = 3°00'00"
T = 95.45'
L = 190.74'
P.C. = 1000+00.00
P.T. = 1001+90.74
NO SUPERELEVATION

DETOUR 1
P.I. = 1008+83.89
Δ = 37°13'20" RT.
D = 3°00'00"
T = 643.15'
L = 1240.74'
P.C. = 1002+40.74
P.T. = 1014+81.48
e = 0.058'/'
Ls = 300'

STA. 1007+33 CONSTRUCT
TEMP. APPR. ON LT.= 120 CU. YDS.

C.L. HWY. 71 RT. STA. 106+72.28 4.50' LT =
C.L. DETOUR 1 STA. 1000+00.00

C.L. HWY. 71 LT. STA. 121+83.49 4.50' RT =
C.L. DETOUR 1 STA. 1014+81.48

TEMP. PAVEMENT WIDENING

OBLITERATION OF WEIGH STATION

STA. 1008+47 INSTALL
24" X 69' TEMP. CULVERT
45° RT. FWD. SKEW
REMOVE AFTER STAGE 4

STA. 1008+50 INSTALL
18" X 28' TEMP. CULVERT
CONSTRUCT TEMP. APPR. ON RT.= 685 CU. YDS.
REMOVE AFTER STAGE 4

STA. 1009+94 INSTALL
18" X 28' TEMP. CULVERT
CONSTRUCT TEMP. APPR. ON RT.= 970 CU. YDS.
REMOVE AFTER STAGE 4

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

DETOUR 1

STA. 1002+15.74 BEGIN SUPERELEVATION
STA. 1005+15.74 MAX SUPERELEVATION (0.058'/')
STA. 1011+81.48 MAX SUPERELEVATION (0.058'/')
STA. 1014+81.48 END SUPERELEVATION

STA. 1000+59.84
BEGIN DETOUR 1

STA. 1014+81.48
END DETOUR 1

P.V.I. 1003+05.64
ELEV. 283.93

P.V.C. 1007+60.00
ELEV. 277.31

-1.46%

K=377.36
VC=400'
e=0.53'

+47

F.L. INLET = 271.05
F.L. OUTLET = 270.58

P.V.I. 1009+60.00
ELEV. 274.40

P.V.T. 1011+60.00
ELEV. 273.60

-0.40%

P.V.I. 1012+12.16
ELEV. 273.39

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	126	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

C.L. HWY. 71 LT. STA. 184+00.00 4.50' RT =
C.L. DETOUR 2 STA. 2000+00.00

DETOUR 2
P.I. = 2001+85.19
Δ = 11°04'36" RT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 2000+00.00
P.T. = 2003+69.22
NO SUPERELEVATION

65.00 END C/A
100.00 125.00
+15.00 BEGIN C/A
+80.00 110.00
END PROP. C/A +50.00 107.00
EXIST. R/W & C/A
P.I. 2001+85.19
P.C. 2003+89.22
N 5°38'47" W
N 5°25'49" E
P.C. 2000+00.00
P.T. 2003+69.22
P.I. 2005+74.41
P.T. 2007+58.44
P.O.E.
EAST LITTLE LINDSEY CREEK
STA. 2003+71 INSTALL
24" X 304' TEMP. CULVERT
REMOVE AFTER STAGE 4
EXIST. R/W & C/A
END PROP. C/A +80.00 112.00
BEGIN EXIST. C/A +00.00 115.50
+50.00 140.00
T.C.E.
+40.00 131.50

DETOUR 2
P.I. = 2005+74.41
Δ = 11°04'36" LT.
D = 3°00'00"
T = 185.19'
L = 369.22'
P.C. = 2003+89.22
P.T. = 2007+58.44
NO SUPERELEVATION

C.L. HWY. 71 RT. STA. 191+53.48 4.50' LT =
C.L. DETOUR 2 STA. 2007+58.44

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

DETOUR 2

STA. 2000+00.00
BEGIN DETOUR 2

STA. 2006+05.45
END DETOUR 2

P.V.I. 2002+67.09
ELEV. 295.94

P.V.I. 2004+94.16
ELEV. 302.56

2.92%
+71

F.L. INLET = 298.25
F.L. OUTLET = 291.76

315 310 305 300 295 290 285 280 275 270

2000+00 2001+00 2002+00 2003+00 2004+00 2005+00 2006+00 2007+00 2008+00

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		6	ARK.	030531	127	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
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C.L. HWY. 71 LT. STA. 107+50.00 4.50' RT =
C.L. DETOUR 3 STA. 3000+00.00

DETOUR 3
P.I. = 3005+15.31
Δ = 30°11'58" RT.
D = 3°00'00"
T = 515.31'
L = 1006.65'
P.C. = 3000+00.00
P.T. = 3010+06.65
e = 0.058'/'
Ls = 300'

P.I. 109+28.26
N 34°41'13" E
100' TRANSITION
P.I. 3005+15.31
P.I. 111+12.07
N 19°11'11" E
N 34°15'59" E
P.C. 3000+00.00
P.I. 107+71.35
N 49°23'09" E
N 33°50'13" E
CONST. LIMITS
LOWEST UTILITY LINE

STA. 3008+26 CONSTRUCT
TEMP. APPR. ON LT.= 300 CU. YDS.

STA. 3007+81 INSTALL
18" X 52' TEMP. CULVERT
REMOVE AFTER STAGE 4

STA. 3009+36 INSTALL
24" X 92' TEMP. CULVERT
37° LT. FWD. SKEW
REMOVE AFTER STAGE 4

STA. 3008+26 INSTALL
24" X 28' TEMP. CULVERT
CONSTRUCT TEMP. APPR. ON RT.= 795 CU. YDS.
REMOVE AFTER STAGE 4

STA. 3010+41 INSTALL
18" X 28' TEMP. CULVERT
CONSTRUCT TEMP. APPR. ON LT.= 700 CU. YDS.
REMOVE AFTER STAGE 4

P.C. 3010+26.65
P.T. 3010+06.65
P.T. 117+83.37

C.L. HWY. 71 RT. STA. 122+04.11 4.50' LT =
C.L. DETOUR 3 STA. 3015+44.95
P.T. 3015+44.95

END EXIST. C/A
BEGIN PROP. C/A
+33.80
190.00
+39.00
185.27
END C/A
P.T.C.E.
+50.00
235.00
+78.00
235.00
+89.06
185.06
BEGIN C/A

DETOUR 3
P.I. = 3012+87.40
Δ = 15°32'56" LT.
D = 3°00'00"
T = 260.75'
L = 518.30'
P.C. = 3010+26.65
P.T. = 3015+44.95
e = 0.058'/'
Ls = 300'

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

DETOUR 3

STA. 3000+28.10 MAX SUPERELEVATION (0.058'/')
STA. 3007+16.65 MAX SUPERELEVATION (0.058'/')
STA. 3010+16.65 END SUPERELEVATION

STA. 3010+16.65 BEGIN SUPERELEVATION
STA. 3012+47.42 MAX SUPERELEVATION (0.040'/')
STA. 3014+43.09 MAX SUPERELEVATION (0.040'/')

STA. 3000+28.10
BEGIN DETOUR 3

STA. 3014+43.09
END DETOUR 3

P.V.I. 3005+02.51
ELEV. 280.69
P.V.C. 3005+30.00
ELEV. 280.06
2.29%
K=97.98
VC=340'
e=1.47'
P.V.I. 3007+00.00
ELEV. 276.17
+69
RT. DITCH GRADE -0.45%
3005+50.00 RT.
272.45
EX. F.L. INLET = 272.19
EX. F.L. OUTLET = 272.23
+81
F.L. INLET = 272.36
F.L. OUTLET = 271.58
3008+00.00 RT.
271.32
P.V.T. 3008+70.00
ELEV. 278.17
1.18%
P.V.C. 3008+80.00
ELEV. 278.29
+36
F.L. INLET = 270.31
F.L. OUTLET = 270.06
P.V.I. 3009+50.00
ELEV. 279.12
K=111.11
VC=140'
e=-0.22'
P.V.T. 3010+20.00
ELEV. 279.06
-0.08%
P.V.I. 3012+36.52
ELEV. 278.89

300 295 290 285 280 275 270 265 260 255
3000+00 3001+00 3002+00 3003+00 3004+00 3005+00 3006+00 3007+00 3008+00 3009+00 3010+00 3011+00 3012+00 3013+00 3014+00 3015+00

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	128	183
		PLAN AND PROFILE SHEETS				

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 15158
DAVID WILLIAM BAKER, IV
Digitally Signed 06/17/2026

DETOUR 4

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

DETOUR 4
P. I. = 4005+74.41
Δ = 11°04' 36" RT.
D = 3°00' 00"
T = 185.19'
L = 369.22'
P.C. = 4003+89.22
P.T. = 4007+58.44
NO SUPERELEVATION

C.L. HWY. 71 LT. STA. 191+53.48 4.50' RT =
C.L. DETOUR 4 STA. 4007+58.44

C.L. HWY. 71 RT. STA. 184+00.00 4.50' LT =
C.L. DETOUR 4 STA. 4000+00.00

DETOUR 4
P. I. = 4001+85.19
Δ = 11°04' 36" LT.
D = 3°00' 00"
T = 185.19'
L = 369.22'
P.C. = 4000+00.00
P.T. = 4003+69.22
NO SUPERELEVATION

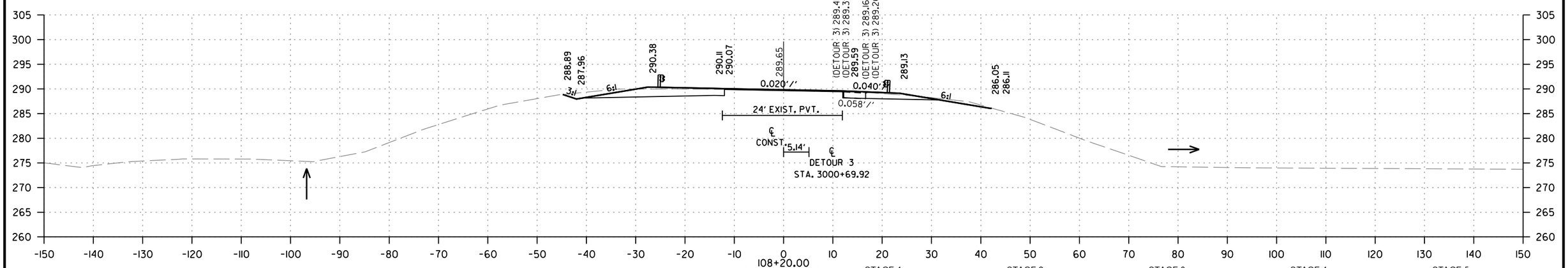
STA. 4003+90 IN PLACE
24" X 304' TEMP. CULVERT
REMOVE AFTER STAGE 4

STA. 4000+00.00
BEGIN DETOUR 4

STA. 4007+58.44
END DETOUR 4

P.V.C. 4002+70.00 ELEV. 297.70
P.V.I. 4002+64.92 ELEV. 297.57
P.V.I. 4003+50.00 ELEV. 299.74
K=87.91 VC=160' e=-0.36
+90
F.L. INLET = 298.25
F.L. OUTLET = 291.76
P.V.T. 4004+30.00 ELEV. 300.32
P.V.C. 4004+35.00 ELEV. 300.36 K=128.2 VC=50' e=0.02
P.V.I. 4004+60.00 ELEV. 300.54
P.V.I. 4004+89.17 ELEV. 300.87
P.V.T. 4004+85.00 ELEV. 300.82

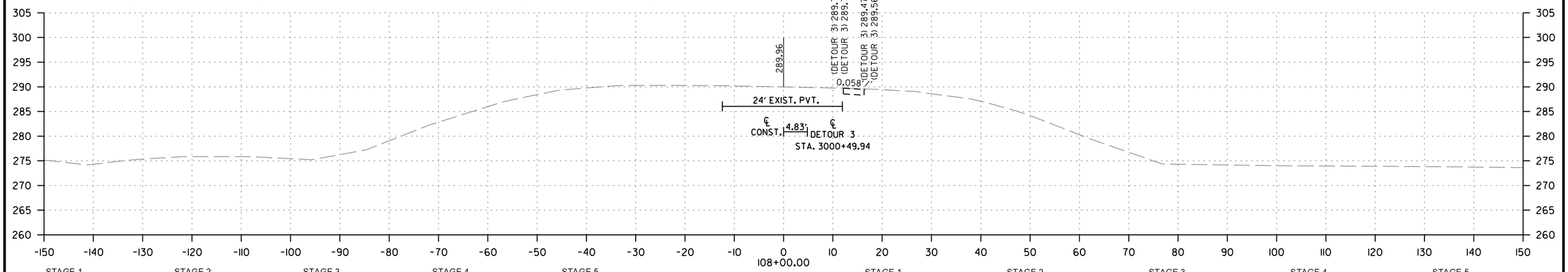
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	129	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	6 SQ. FT.	CUT AREA	44 SQ. FT.	CUT AREA	22 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

108+20.00
END 100' TRANSITION
BEGIN JOB 030531
BEGIN HWY.71LT.

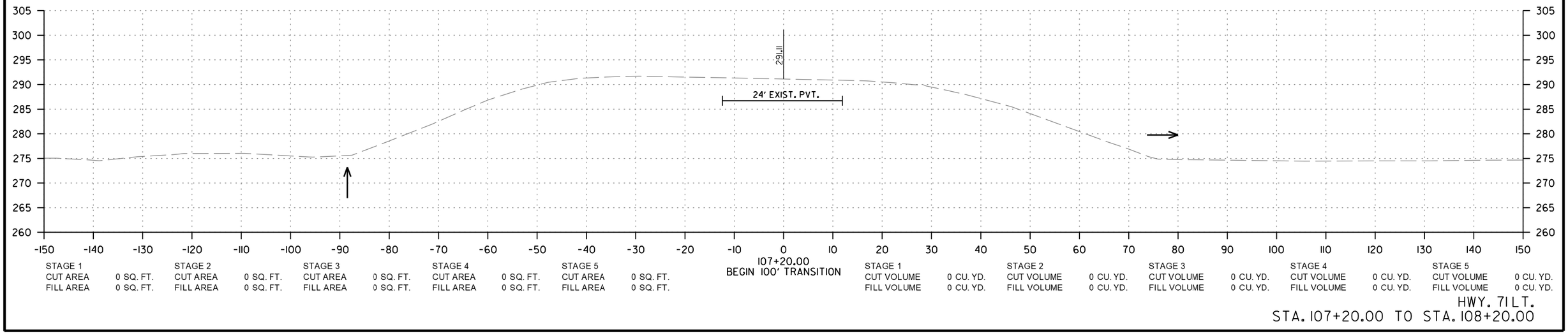
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	16 CU. YD.	CUT VOLUME	8 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	5 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

108+00.00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	7 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

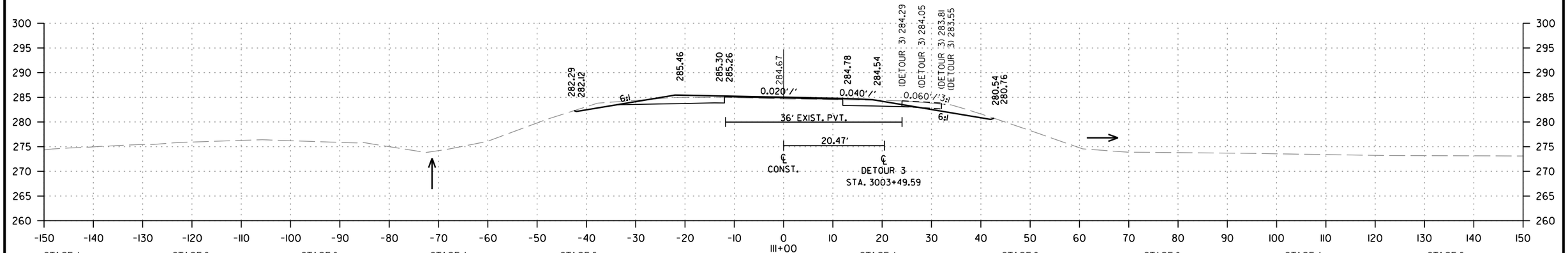
107+20.00
BEGIN 100' TRANSITION

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 107+20.00 TO STA. 108+20.00

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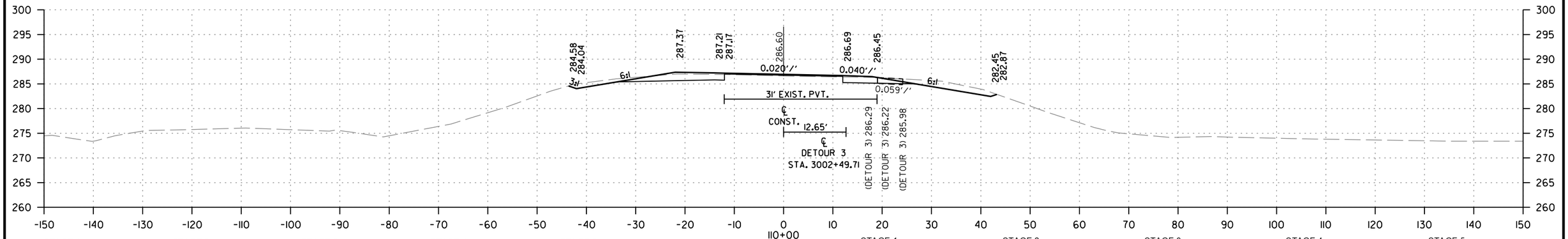
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	130	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	29 SQ. FT.	CUT AREA	35 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

III+00

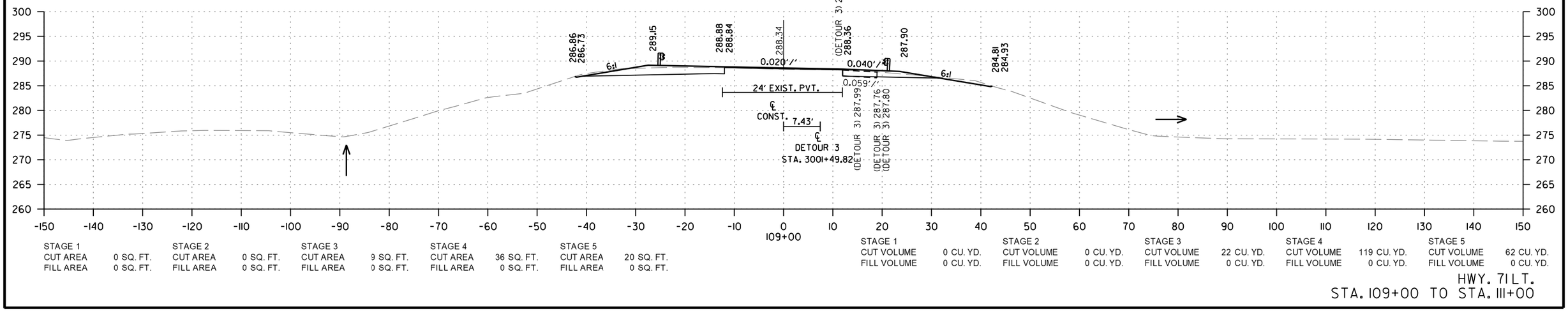
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	28 CU. YD.	CUT VOLUME	111 CU. YD.	CUT VOLUME	130 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	6 SQ. FT.	CUT AREA	31 SQ. FT.	CUT AREA	35 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

II0+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	28 CU. YD.	CUT VOLUME	124 CU. YD.	CUT VOLUME	102 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	36 SQ. FT.	CUT AREA	20 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

109+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	22 CU. YD.	CUT VOLUME	119 CU. YD.	CUT VOLUME	62 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 109+00 TO STA. 111+00

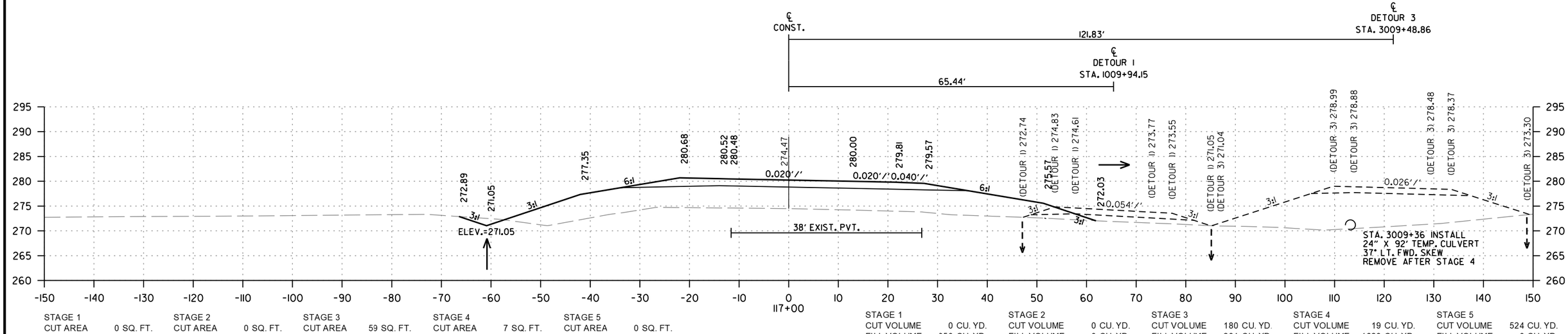
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	131	183
		CROSS SECTIONS				

HWY. 71 LT.
STA. 112+00 TO STA. 114+00

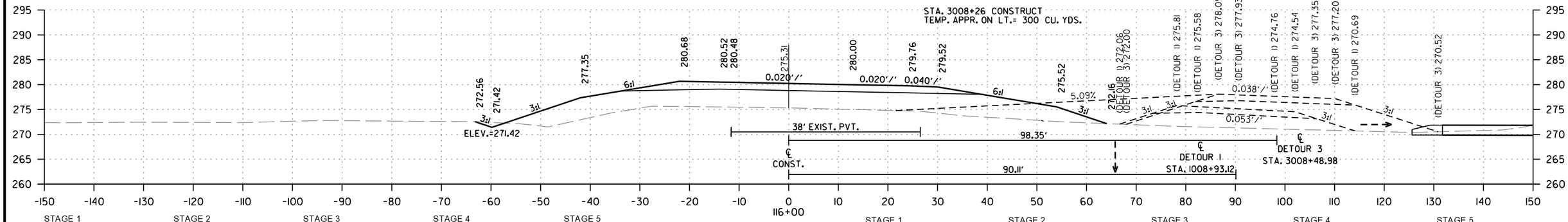
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	132	183
		CROSS SECTIONS				



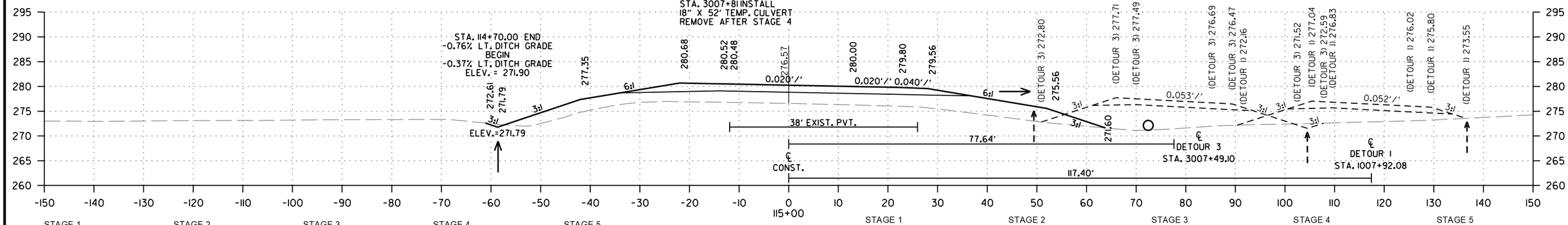
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	59 SQ. FT.	CUT AREA	7 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	35 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	467 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	180 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	524 CU. YD.
FILL VOLUME	250 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	281 CU. YD.	FILL VOLUME	1628 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	38 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	283 SQ. FT.
FILL AREA	100 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	152 SQ. FT.	FILL AREA	412 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	70 CU. YD.	CUT VOLUME	7 CU. YD.	CUT VOLUME	878 CU. YD.
FILL VOLUME	185 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	596 CU. YD.	FILL VOLUME	1256 CU. YD.	FILL VOLUME	6 CU. YD.



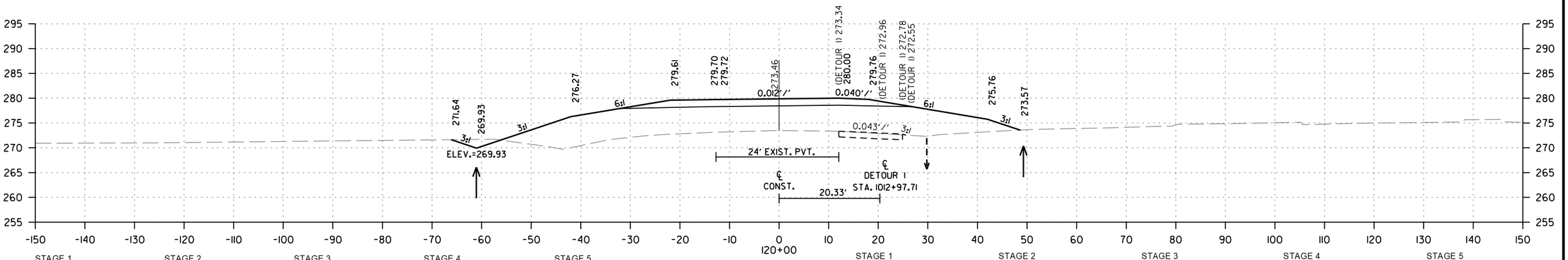
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	191 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	170 SQ. FT.	FILL AREA	266 SQ. FT.	FILL AREA	3 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	152 CU. YD.	CUT VOLUME	172 CU. YD.	CUT VOLUME	411 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	315 CU. YD.	FILL VOLUME	569 CU. YD.	FILL VOLUME	594 CU. YD.

HWY. 71 LT.
STA. 115+00 TO STA. 117+00

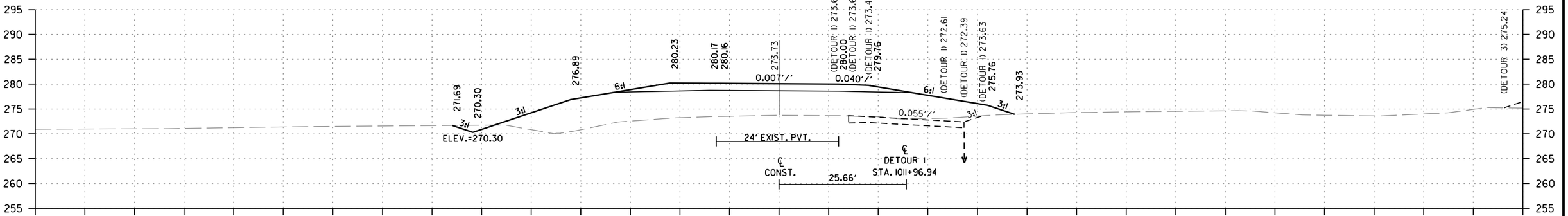
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	133	183
		CROSS SECTIONS				



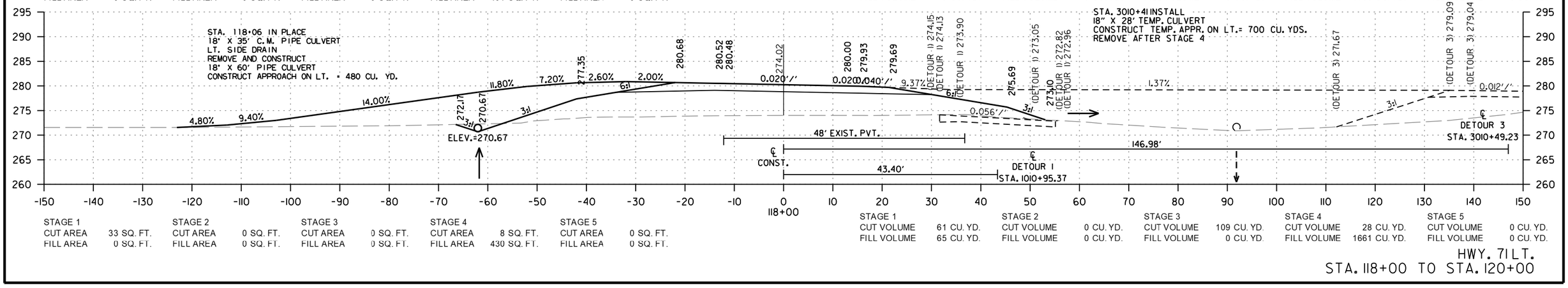
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	14 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	493 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	91 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	28 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1822 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	35 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	6 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	491 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	126 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	26 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1706 CU. YD.	FILL VOLUME	0 CU. YD.



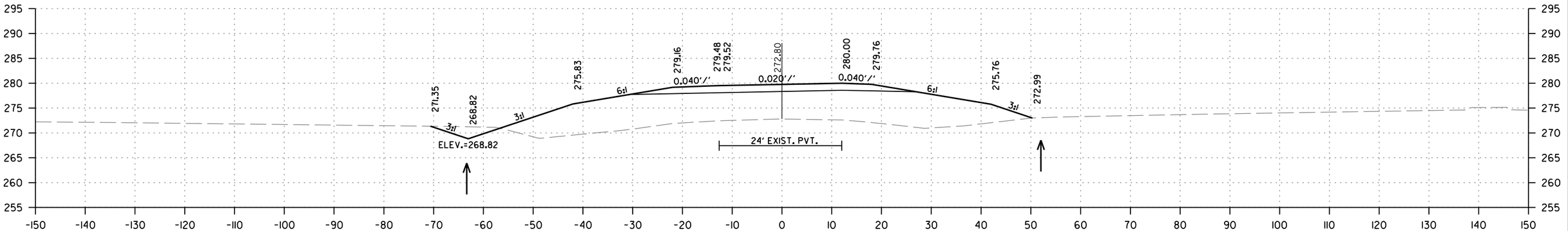
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	33 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	8 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	430 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	61 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	109 CU. YD.	CUT VOLUME	28 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	65 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1661 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 118+00 TO STA. 120+00

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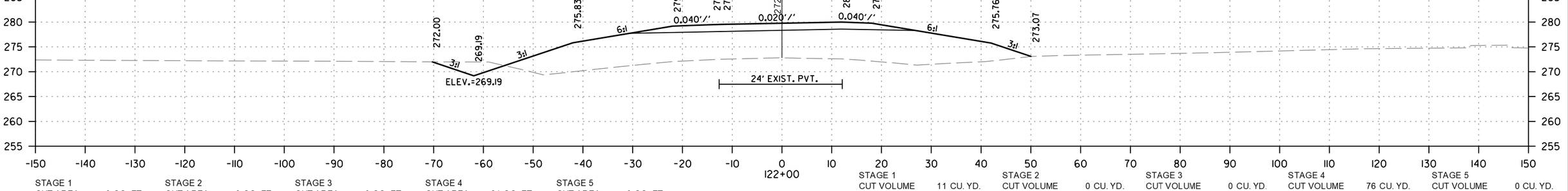
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	134	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	18 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	580 SQ. FT.	FILL AREA	0 SQ. FT.

123+00

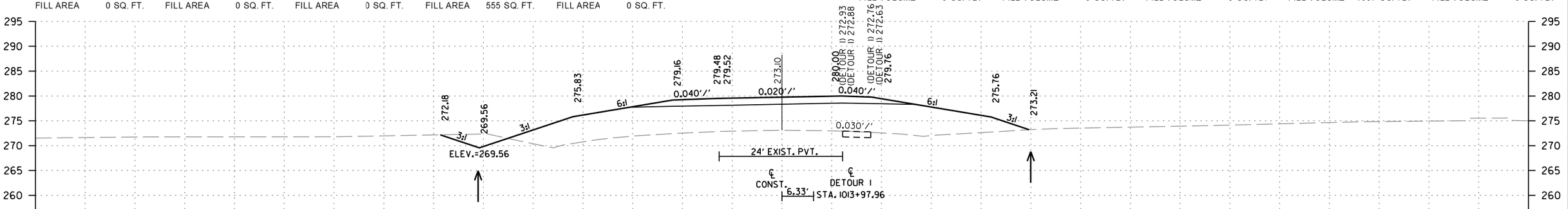
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	72 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2102 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	555 SQ. FT.	FILL AREA	0 SQ. FT.

122+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	11 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	76 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1967 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	6 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	507 SQ. FT.	FILL AREA	0 SQ. FT.

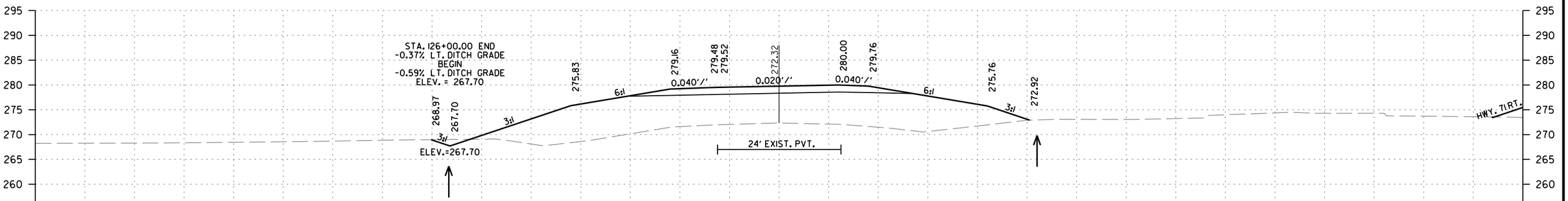
121+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	37 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	54 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1852 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 121+00 TO STA. 123+00

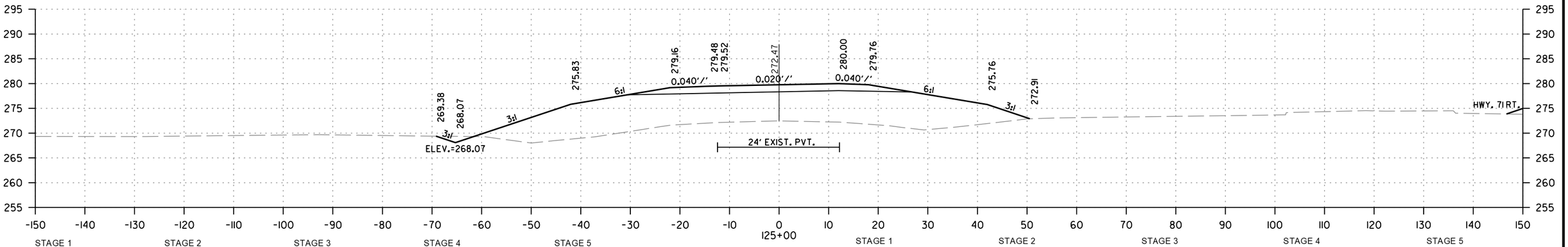
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	135	183
		CROSS SECTIONS				



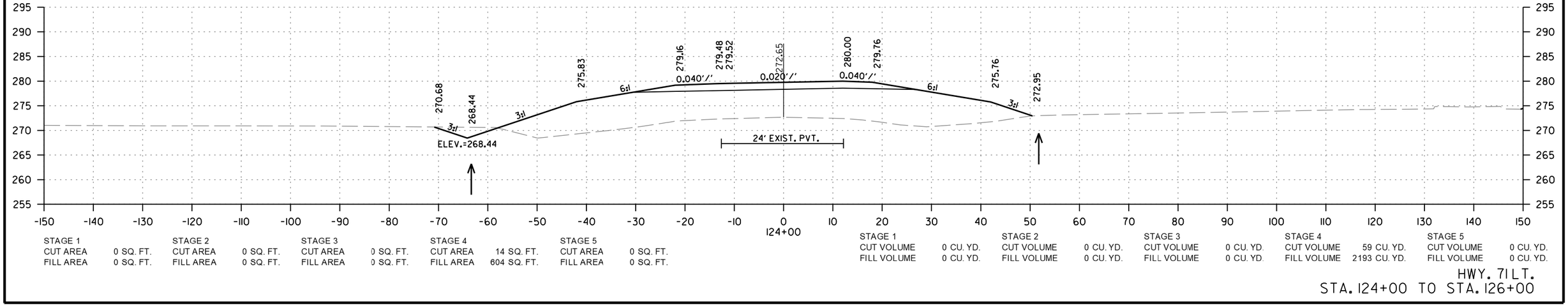
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	5 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	646 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2365 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	5 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	631 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	35 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2287 CU. YD.	FILL VOLUME	0 CU. YD.



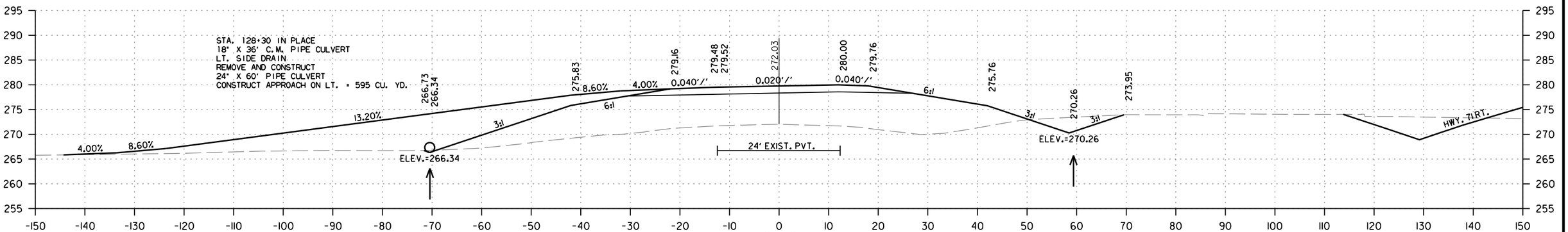
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	14 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	604 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	59 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2193 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 124+00 TO STA. 126+00

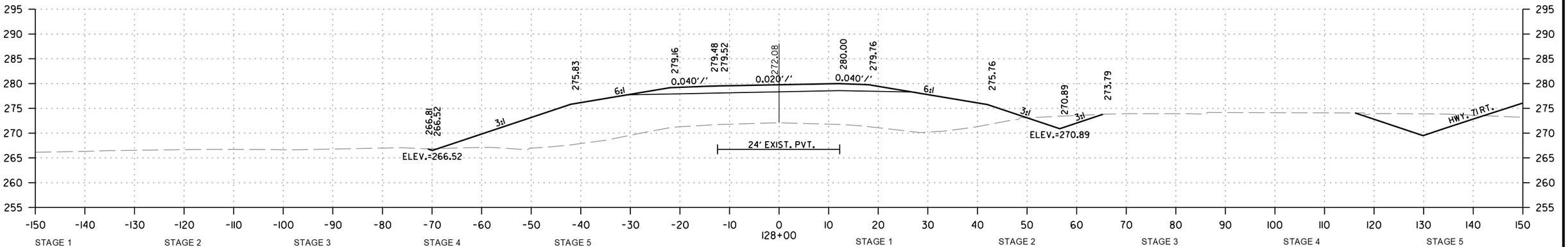
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	136	183
		CROSS SECTIONS				



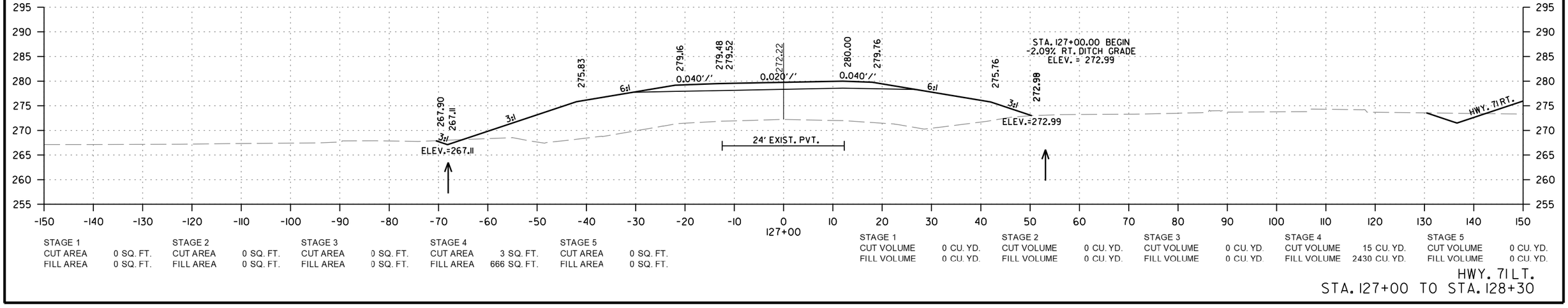
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	30 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	684 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	28 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	778 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	716 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	43 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2559 CU. YD.	FILL VOLUME	0 CU. YD.



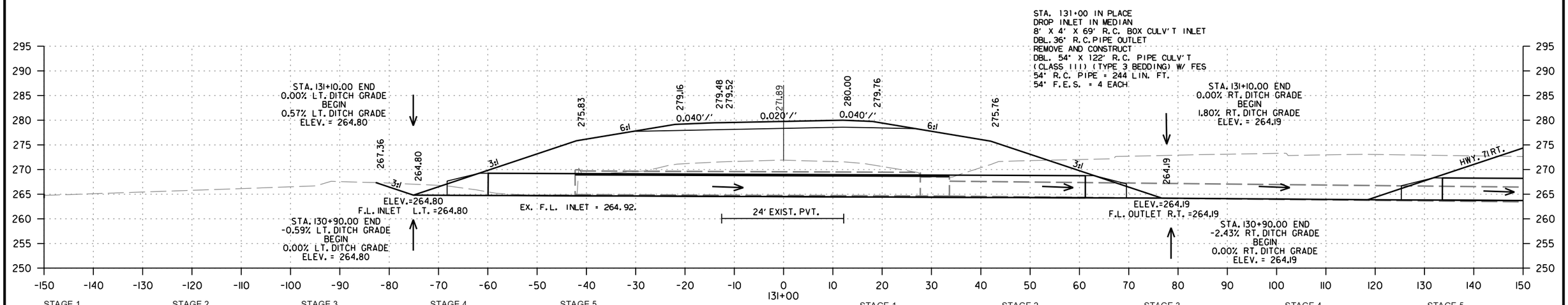
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	666 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	15 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2430 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 127+00 TO STA. 128+30

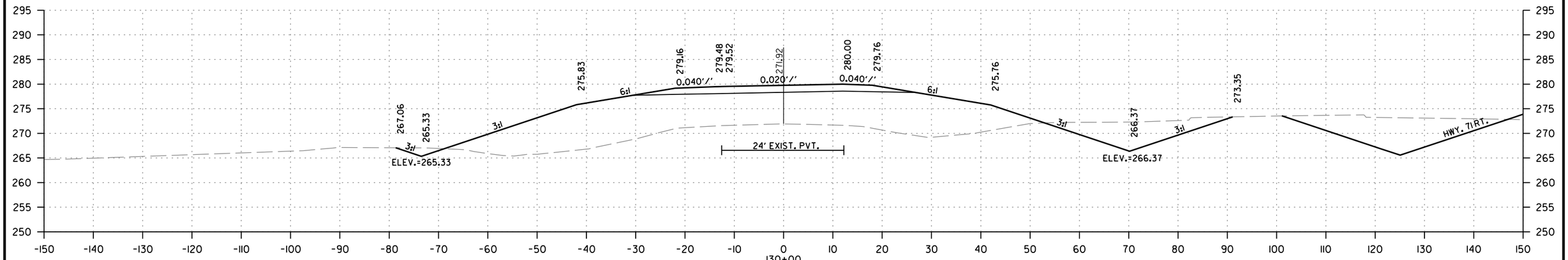
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	137	183
		CROSS SECTIONS				



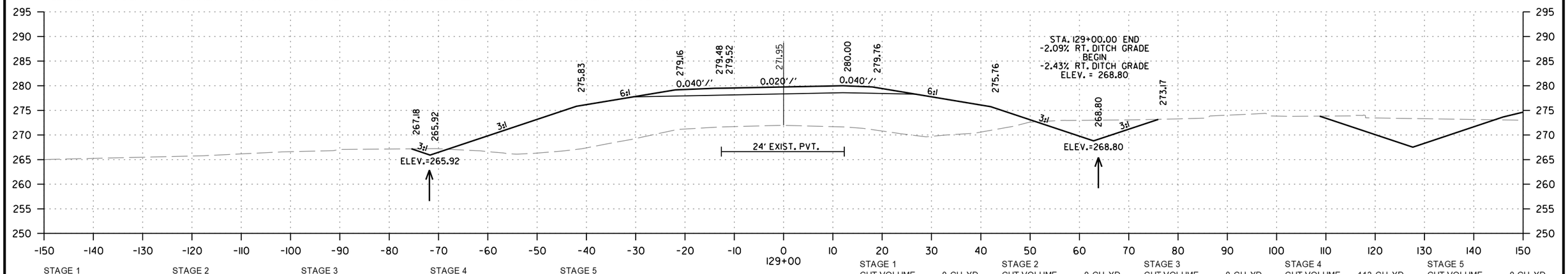
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	323 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	797 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	824 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2943 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	122 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	792 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	331 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2867 CU. YD.	FILL VOLUME	0 CU. YD.



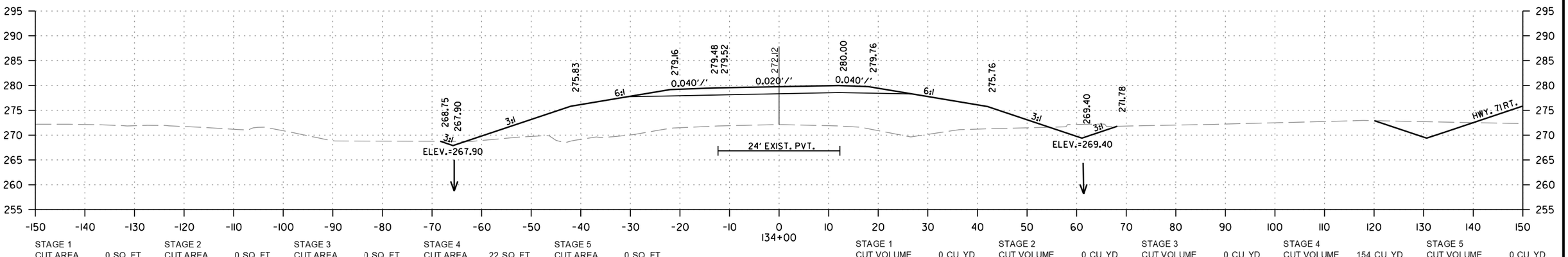
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	57 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	756 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	113 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1867 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 129+00 TO STA. 131+00

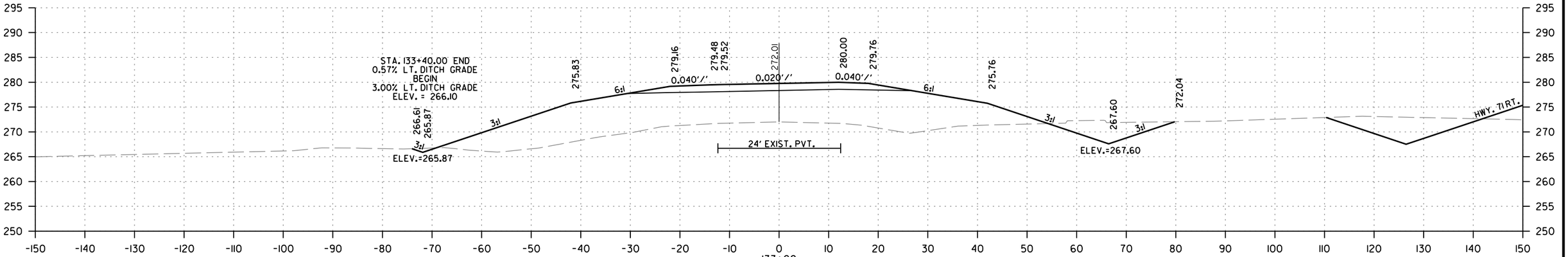
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	138	183
		CROSS SECTIONS				



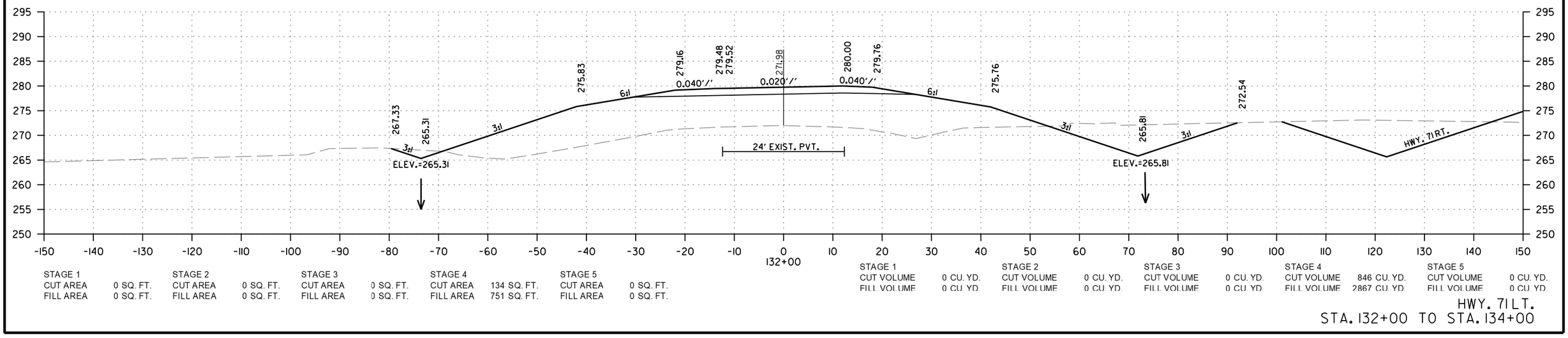
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	22 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	661 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	154 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2587 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	61 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	736 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	361 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2754 CU. YD.	FILL VOLUME	0 CU. YD.



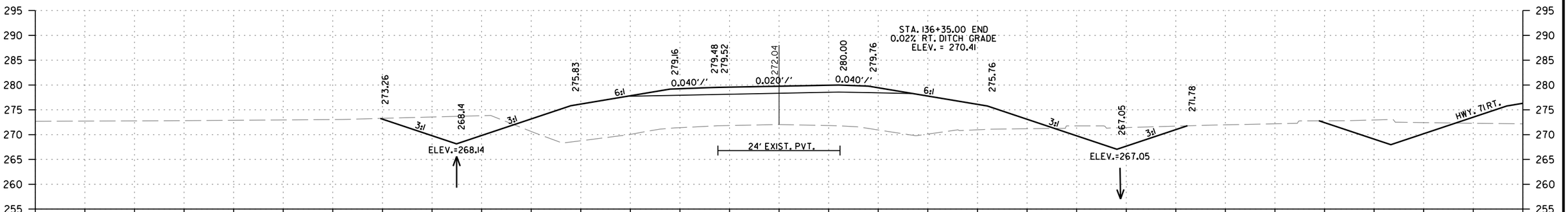
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	134 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	751 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	846 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2867 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 132+00 TO STA. 134+00

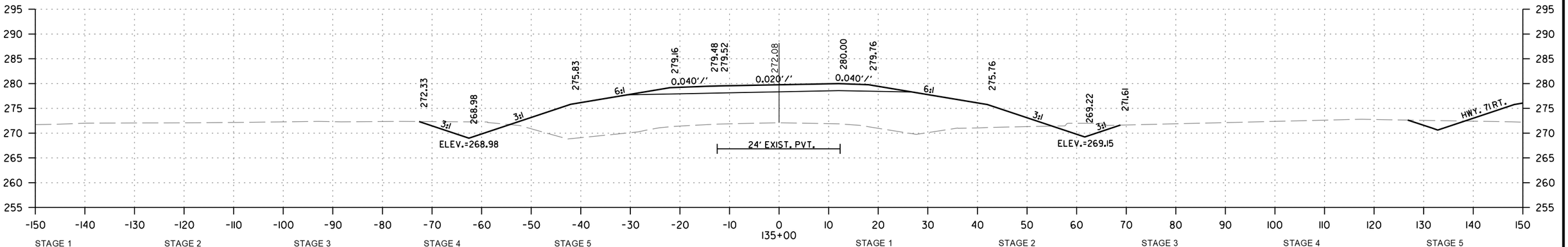
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	139	183
		CROSS SECTIONS				



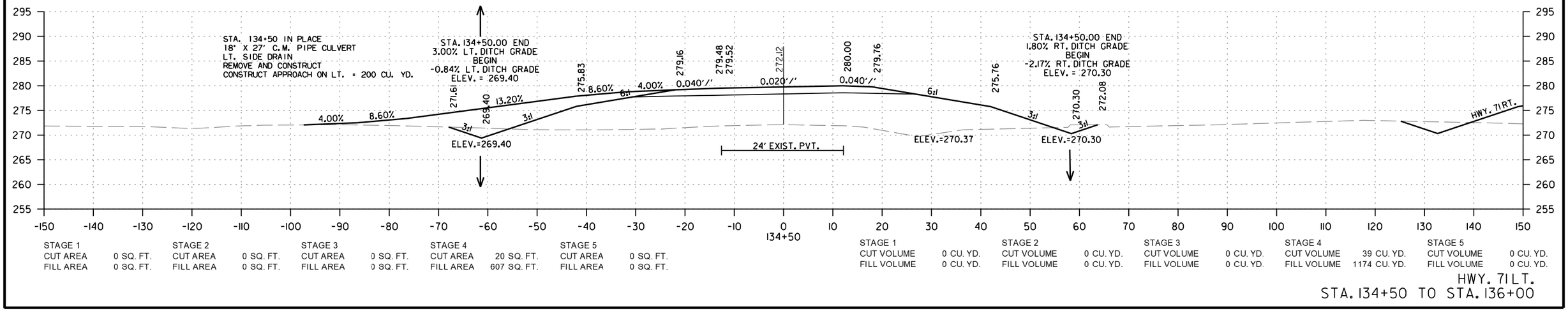
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	144 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	653 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	359 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2398 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	50 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	642 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1156 CU. YD.	FILL VOLUME	0 CU. YD.



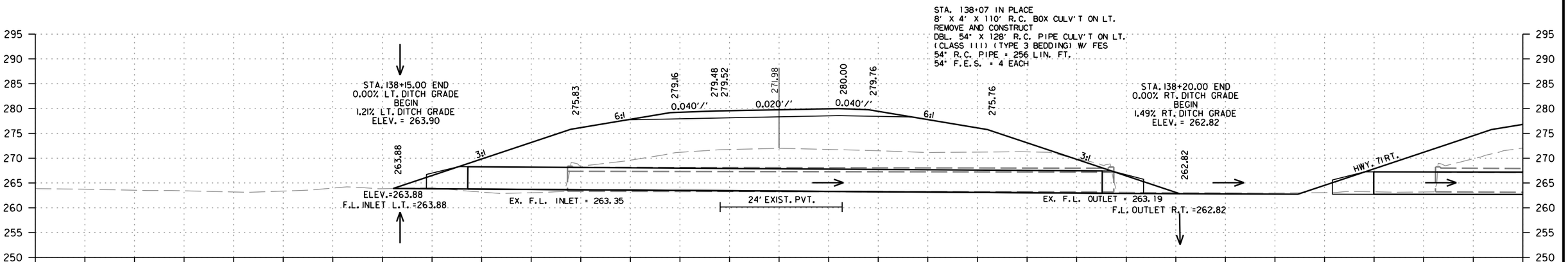
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	607 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	39 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1174 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 134+50 TO STA. 136+00

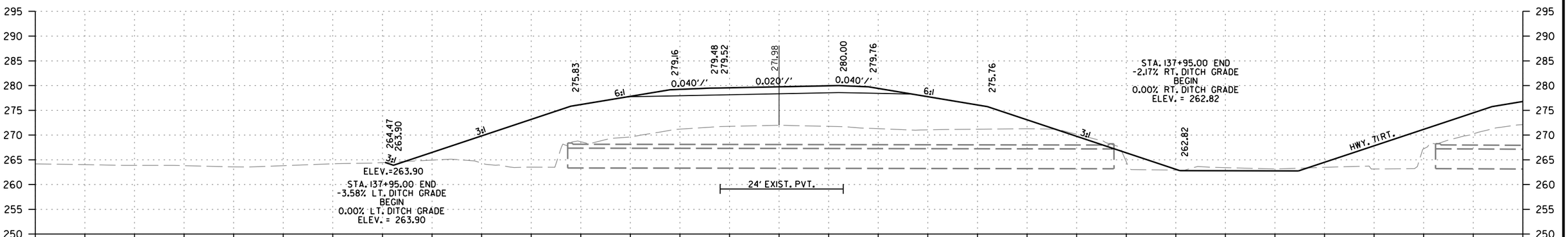
MM41715 6/15/2026
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	140	183
		CROSS SECTIONS				



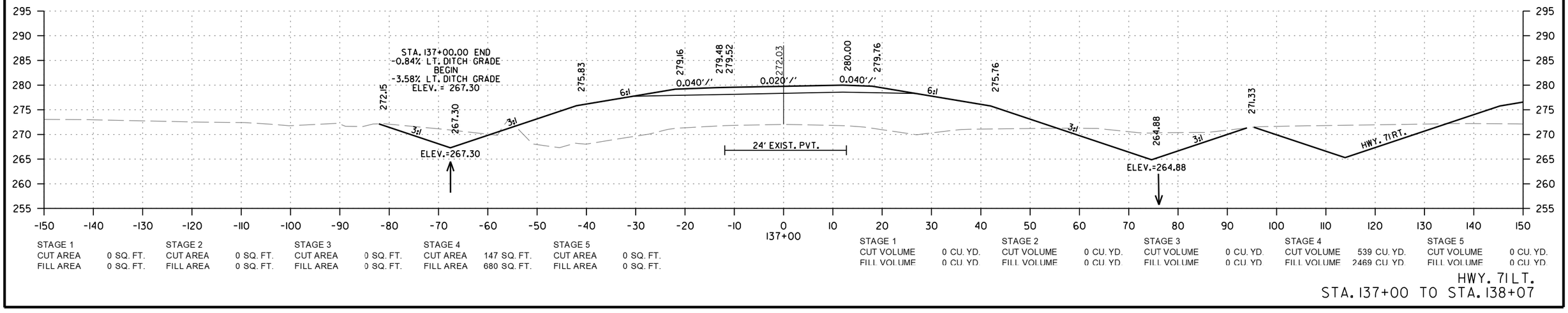
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	4 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	854 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	2 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	214 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	8 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	793 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	287 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2728 CU. YD.	FILL VOLUME	0 CU. YD.



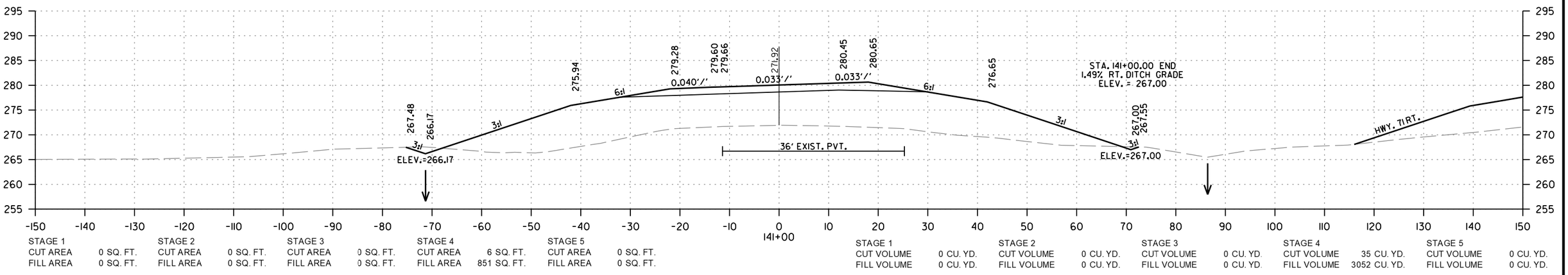
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	147 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	680 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	539 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2469 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 137+00 TO STA. 138+07

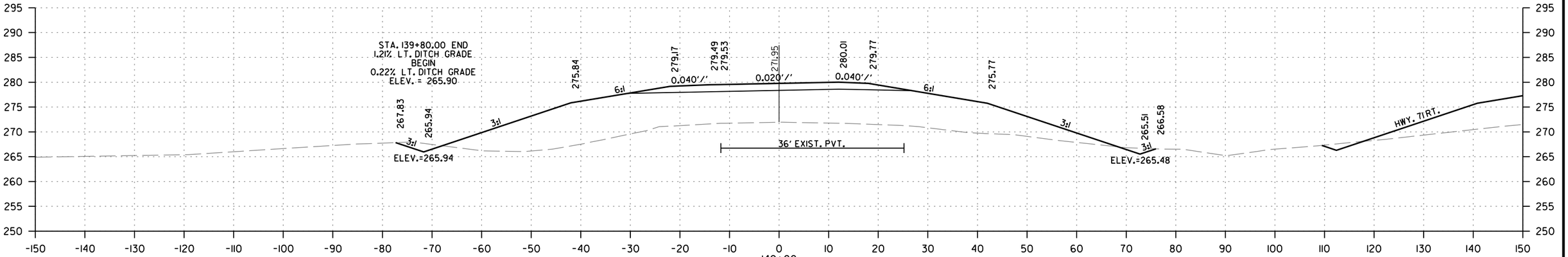
MM41715 6/15/2026
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	141	183
		CROSS SECTIONS				



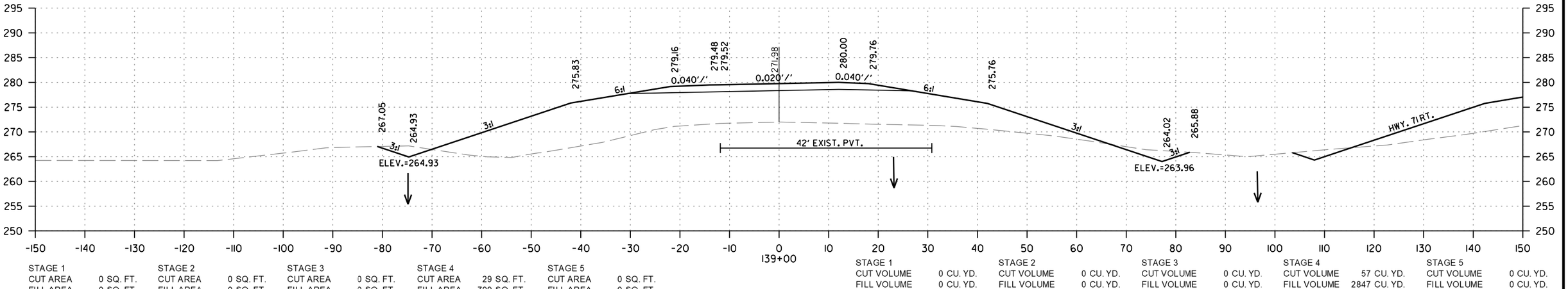
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	6 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	851 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	35 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	3052 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	797 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	78 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2956 CU. YD.	FILL VOLUME	0 CU. YD.



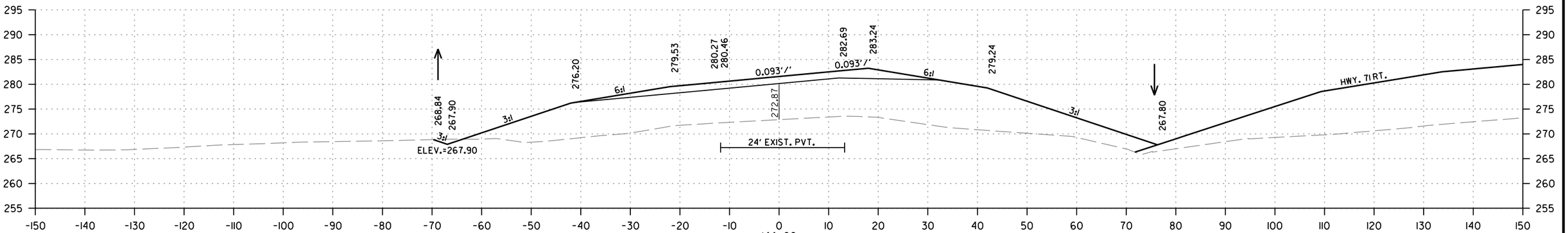
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	29 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	799 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	57 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2847 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 139+00 TO STA. 141+00

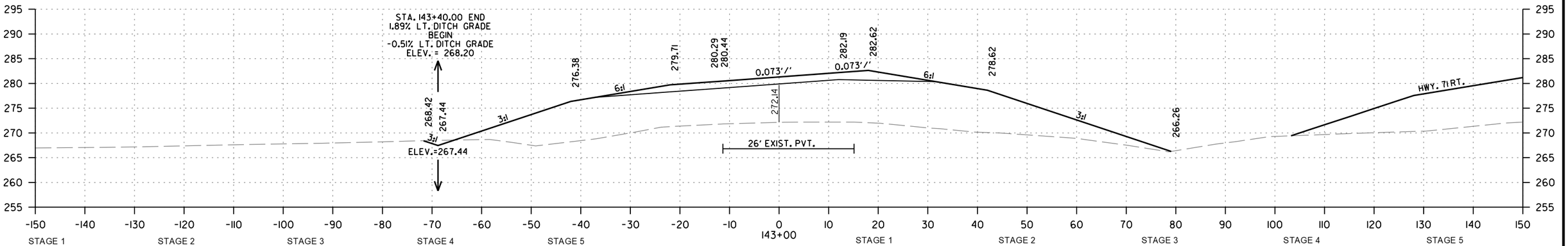
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	142	183
		CROSS SECTIONS				



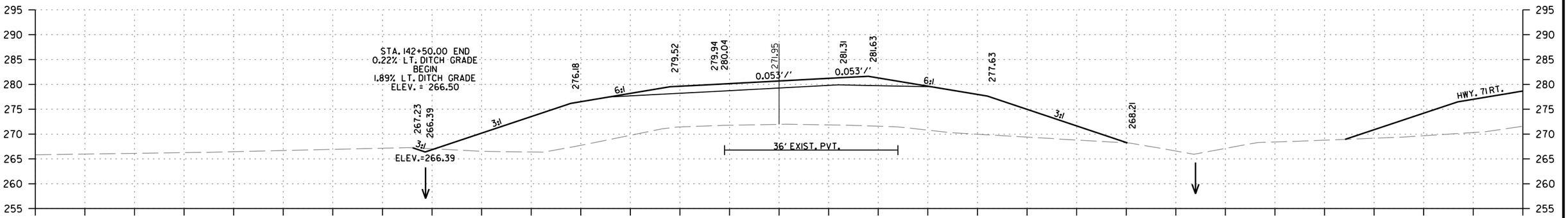
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	880 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	11 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	3352 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	930 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	9 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	3394 CU. YD.	FILL VOLUME	0 CU. YD.



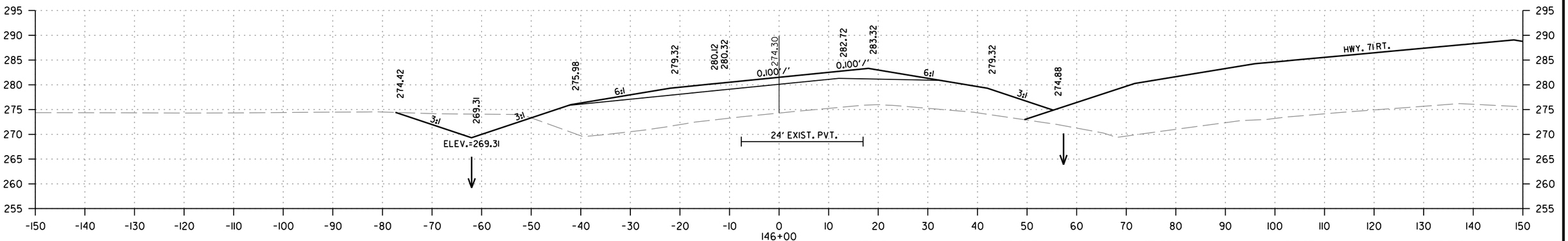
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	903 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	15 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	3248 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 LT.
STA. 142+00 TO STA. 144+00

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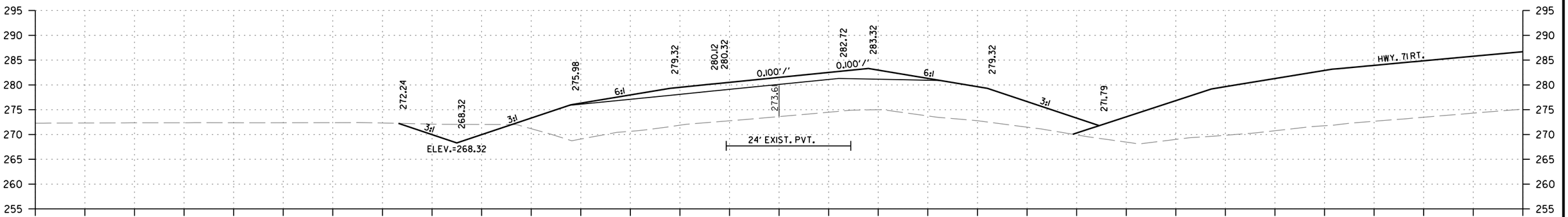
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	143	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	68 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	561 SQ. FT.	FILL AREA	0 SQ. FT.

146+00

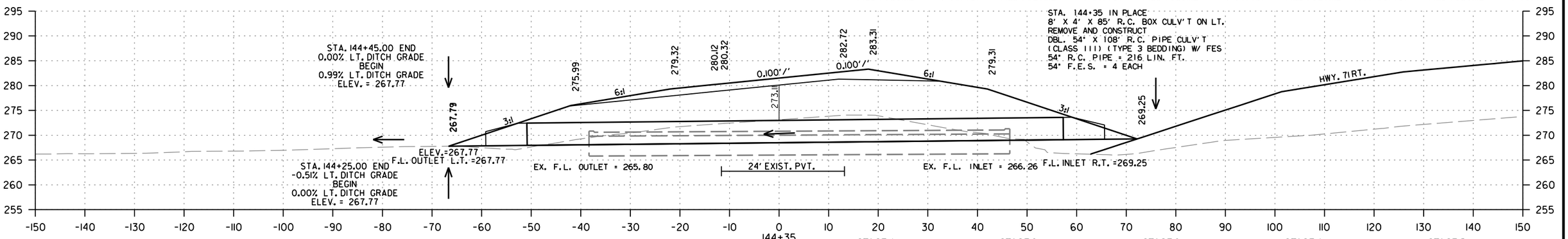
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	204 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2317 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	42 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	690 SQ. FT.	FILL AREA	0 SQ. FT.

145+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	51 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1930 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	913 SQ. FT.	FILL AREA	0 SQ. FT.

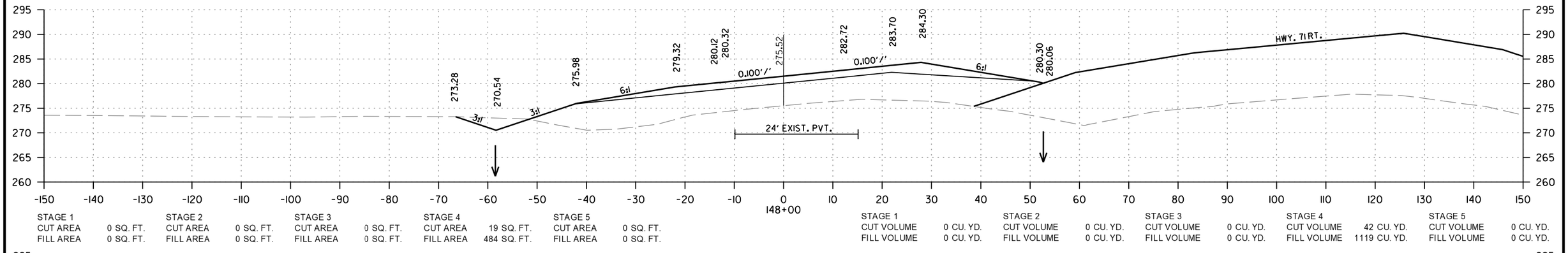
144+35

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	2 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1162 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 144+35 TO STA. 146+00

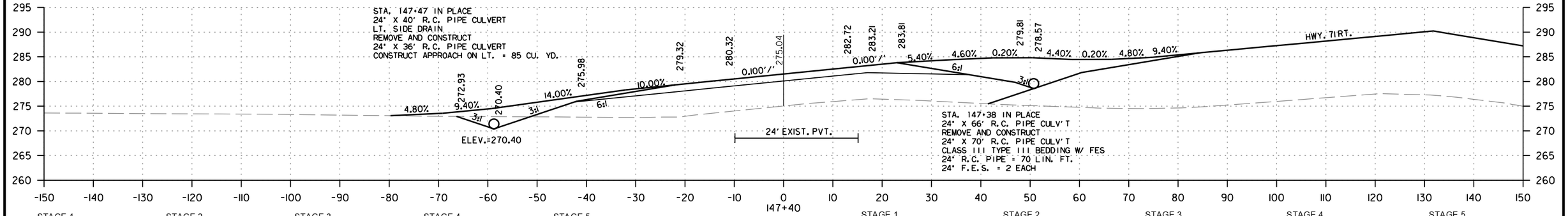
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	144	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5		STAGE 1		STAGE 2		STAGE 3	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	19 SQ. FT.	CUT AREA	0 SQ. FT.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	484 SQ. FT.	FILL AREA	0 SQ. FT.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 4		STAGE 5	
CUT VOLUME	42 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	1119 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5		STAGE 1		STAGE 2		STAGE 3	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	19 SQ. FT.	CUT AREA	0 SQ. FT.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	523 SQ. FT.	FILL AREA	0 SQ. FT.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 4		STAGE 5	
CUT VOLUME	37 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	761 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5		STAGE 1		STAGE 2		STAGE 3	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	31 SQ. FT.	CUT AREA	0 SQ. FT.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	504 SQ. FT.	FILL AREA	0 SQ. FT.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 4		STAGE 5	
CUT VOLUME	183 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	1972 CU. YD.	FILL VOLUME	0 CU. YD.

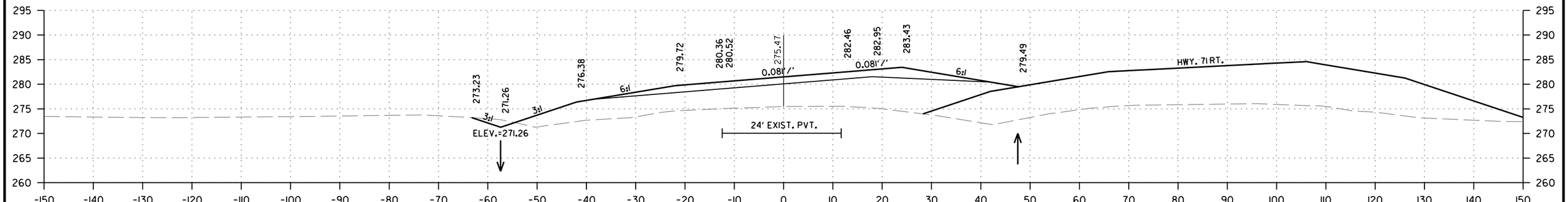
HWY. 71LT.
STA. 147+00 TO STA. 148+00

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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	145	183
		CROSS SECTIONS				

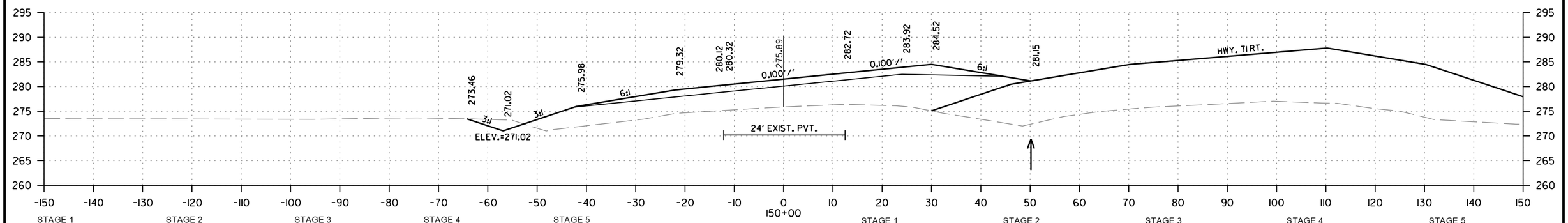
C.L. HWY. 71 STA. 152+00.00 42.00' LT. =
C.L. HWY. 71 LT. STA. 152+00.00

STA. 151+72 INSTALL
18" X 99' TEMP. CULVERT ON LT.
FILL & ABANDON AFTER STAGE 4



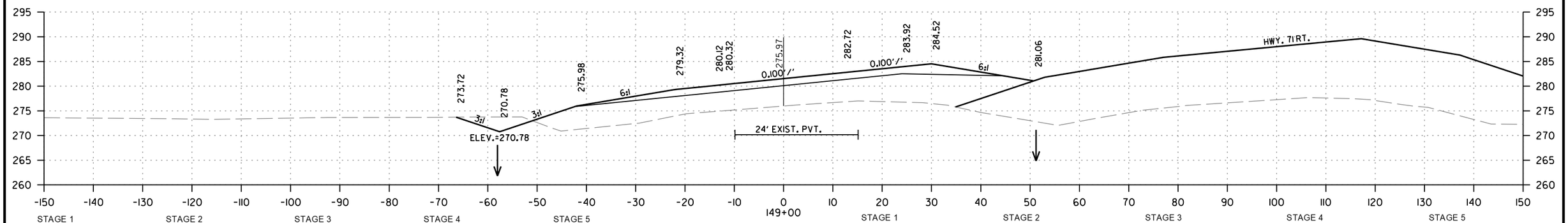
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	7 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	436 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	39 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1594 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	14 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	425 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	72 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1593 CU. YD.	FILL VOLUME	0 CU. YD.



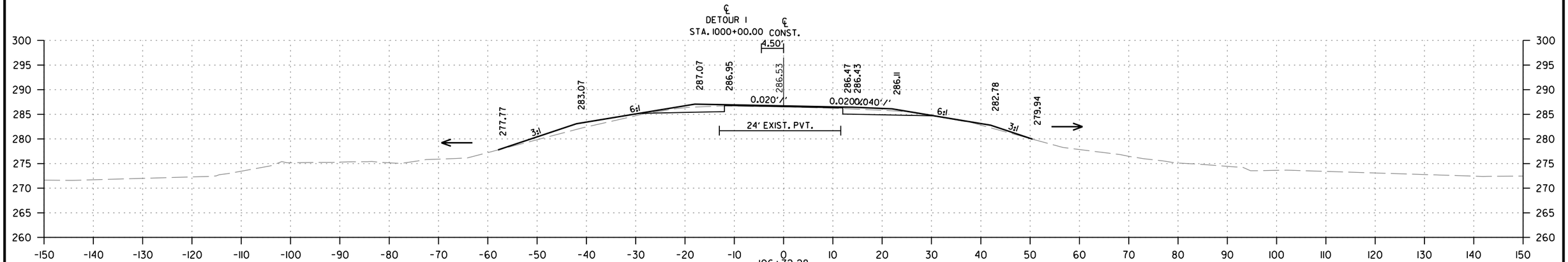
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	25 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	435 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	81 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1702 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71LT.
STA. 149+00 TO STA. 151+00

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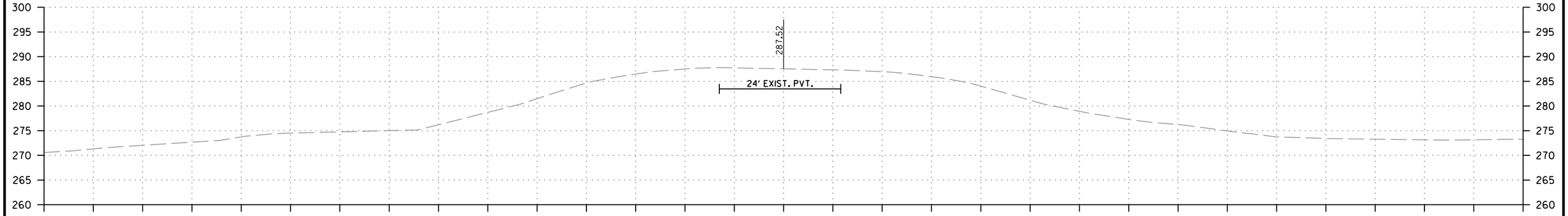
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	146	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	14 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	4 SQ. FT.	FILL AREA	18 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

106+72.28
END 100' TRANSITION
BEGIN JOB 030531
BEGIN HWY.71RT.

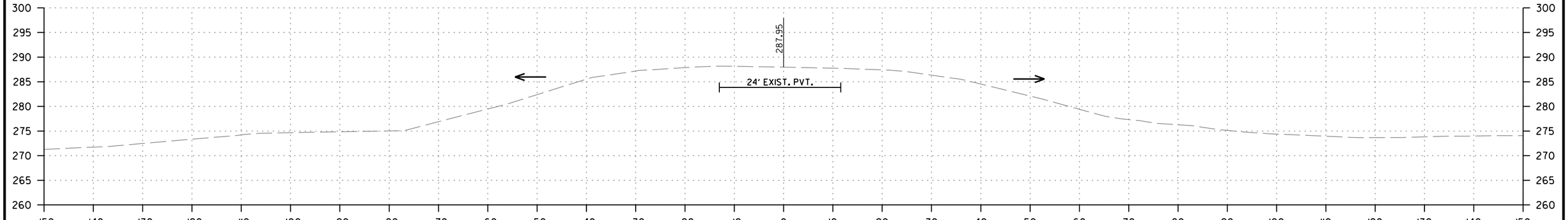
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	17 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	5 CU. YD.	FILL VOLUME	24 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

106+00.00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

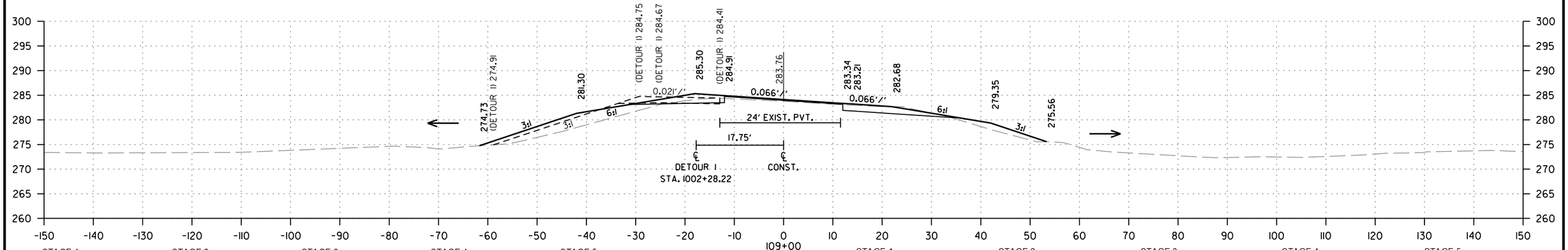
105+72.28
BEGIN 100' TRANSITION

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 105+72.28 TO STA. 106+72.28

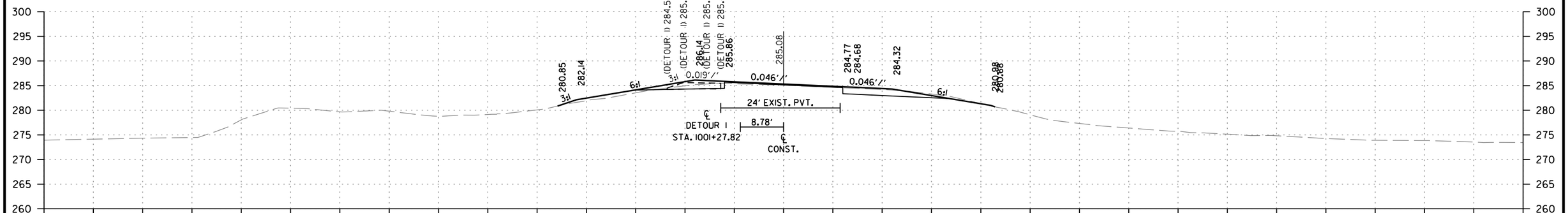
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	147	183
		CROSS SECTIONS				



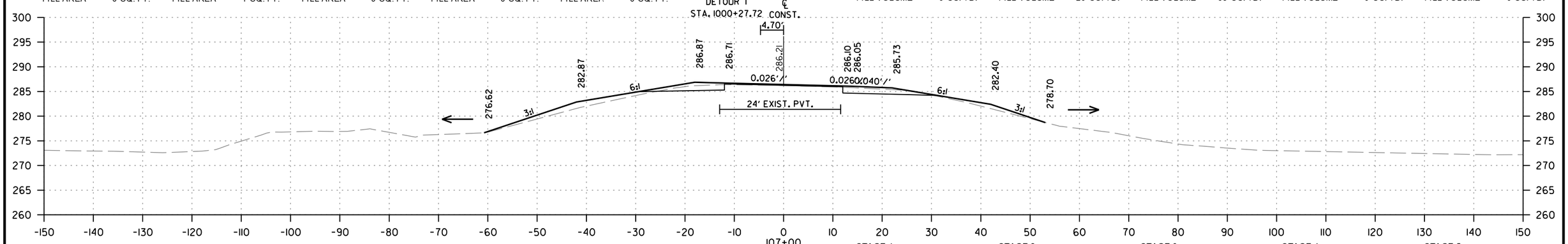
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	7 SQ. FT.	CUT AREA	23 SQ. FT.	CUT AREA	27 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	55 SQ. FT.	FILL AREA	16 SQ. FT.	FILL AREA	16 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	30 CU. YD.	CUT VOLUME	87 CU. YD.	CUT VOLUME	74 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	102 CU. YD.	FILL VOLUME	31 CU. YD.	FILL VOLUME	46 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	9 SQ. FT.	CUT AREA	24 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1 SQ. FT.	FILL AREA	9 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	17 CU. YD.	CUT VOLUME	74 CU. YD.	CUT VOLUME	44 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	20 CU. YD.	FILL VOLUME	65 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



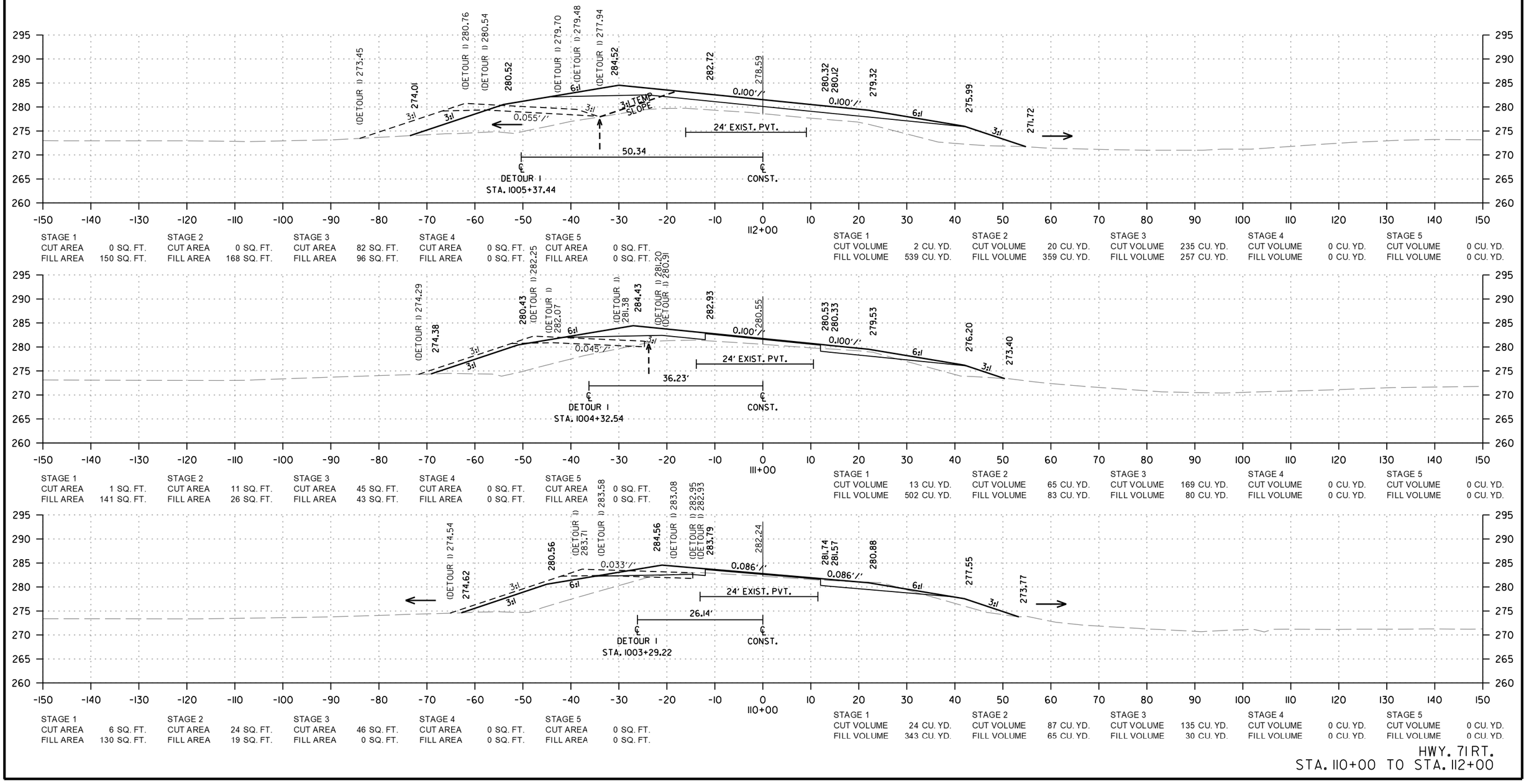
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	16 SQ. FT.	CUT AREA	11 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	10 SQ. FT.	FILL AREA	26 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	15 CU. YD.	CUT VOLUME	12 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	7 CU. YD.	FILL VOLUME	23 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 107+00 TO STA. 109+00

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		6	ARK.	030531	148	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	82 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	150 SQ. FT.	FILL AREA	168 SQ. FT.	FILL AREA	96 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	2 CU. YD.	CUT VOLUME	20 CU. YD.	CUT VOLUME	235 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	539 CU. YD.	FILL VOLUME	359 CU. YD.	FILL VOLUME	257 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	1 SQ. FT.	CUT AREA	11 SQ. FT.	CUT AREA	45 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	141 SQ. FT.	FILL AREA	26 SQ. FT.	FILL AREA	43 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	13 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	169 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	502 CU. YD.	FILL VOLUME	83 CU. YD.	FILL VOLUME	80 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

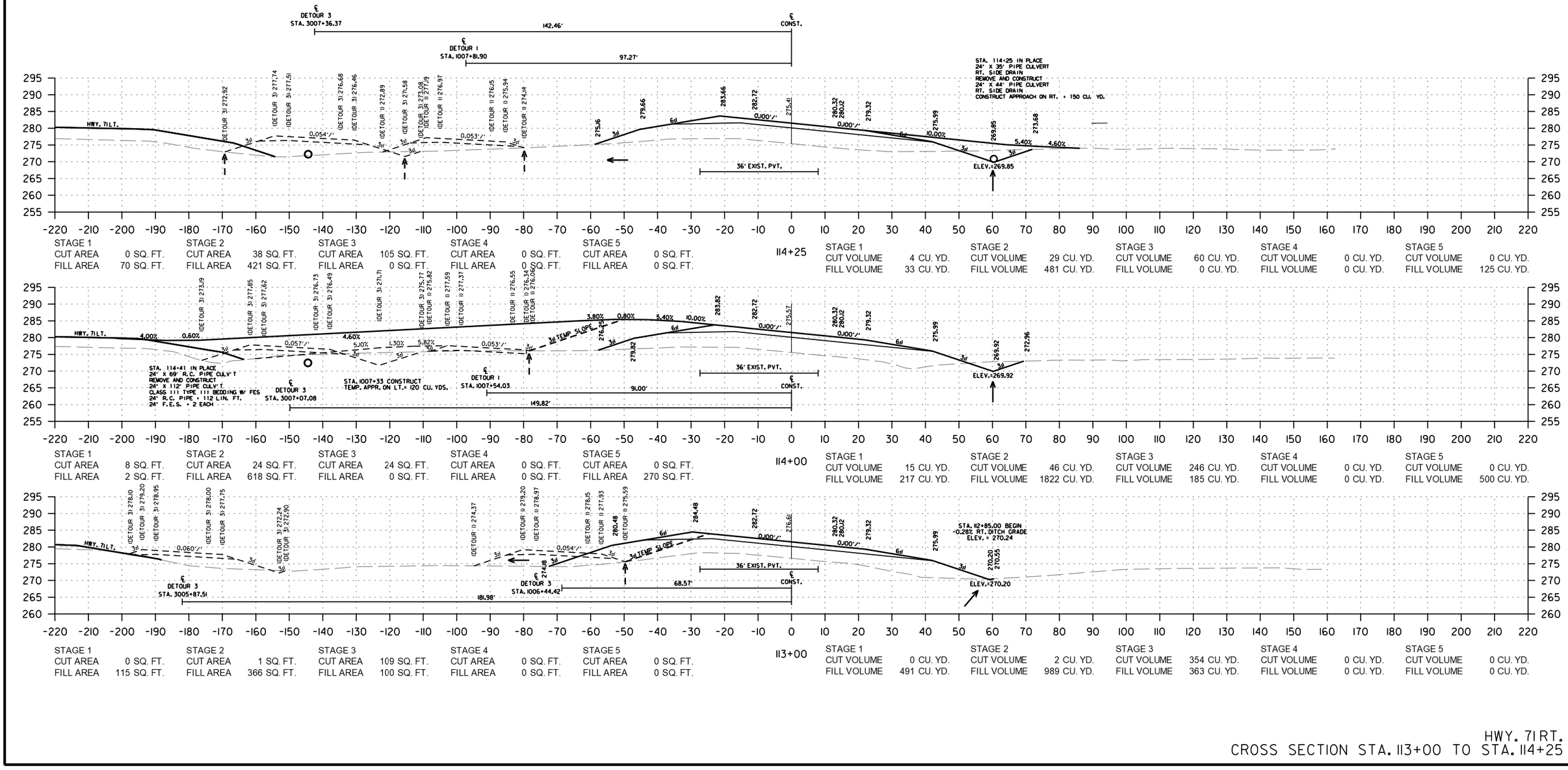
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	6 SQ. FT.	CUT AREA	24 SQ. FT.	CUT AREA	46 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	130 SQ. FT.	FILL AREA	19 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	24 CU. YD.	CUT VOLUME	87 CU. YD.	CUT VOLUME	135 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	343 CU. YD.	FILL VOLUME	65 CU. YD.	FILL VOLUME	30 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 110+00 TO STA. 112+00

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R030531.DGN

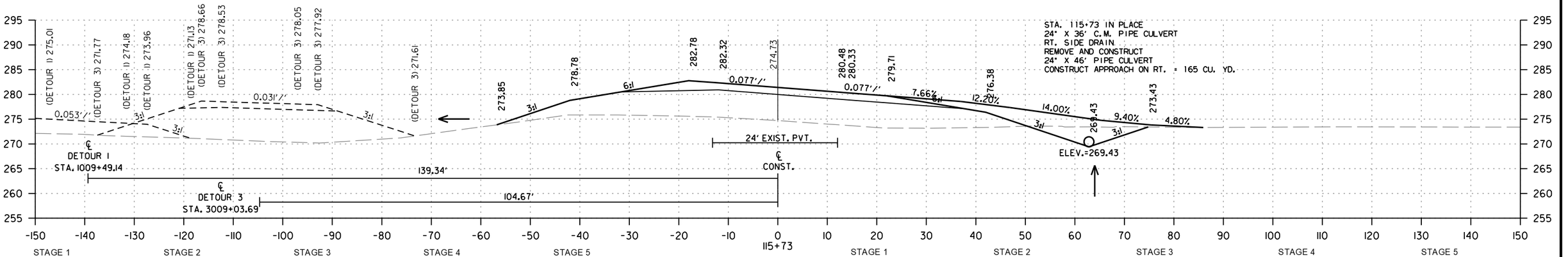
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	149	183
		CROSS SECTIONS				



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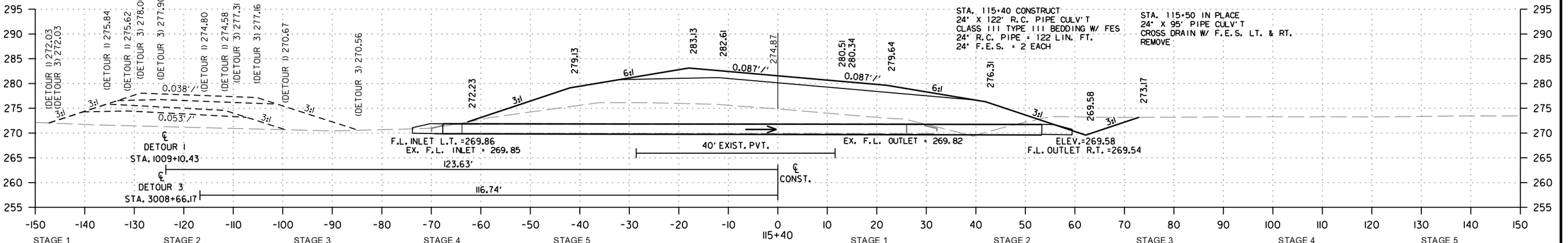
HWY. 7 RT.
CROSS SECTION STA. 113+00 TO STA. 114+25

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	150	183
		CROSS SECTIONS				



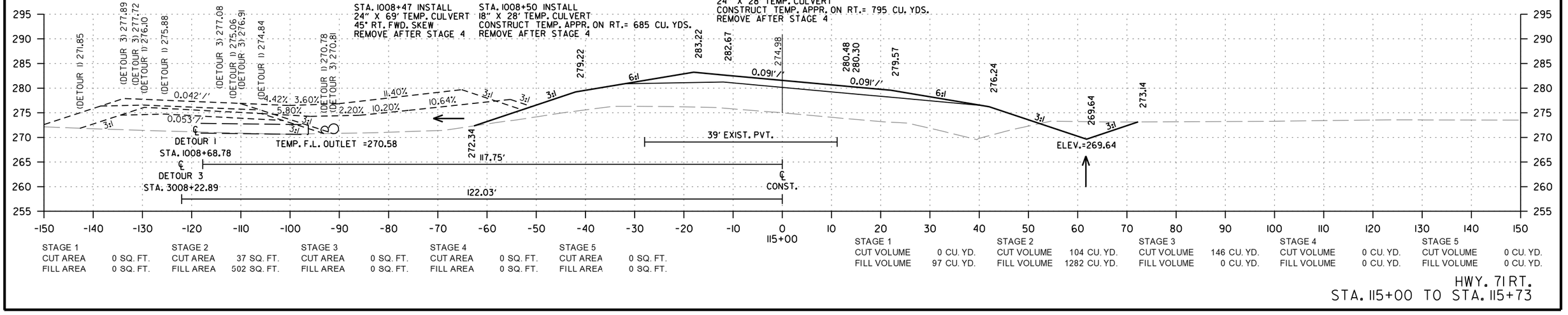
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	49 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	338 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	437 SQ. FT.	FILL AREA	305 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	54 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	207 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	579 CU. YD.	FILL VOLUME	186 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	39 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	511 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	56 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	750 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



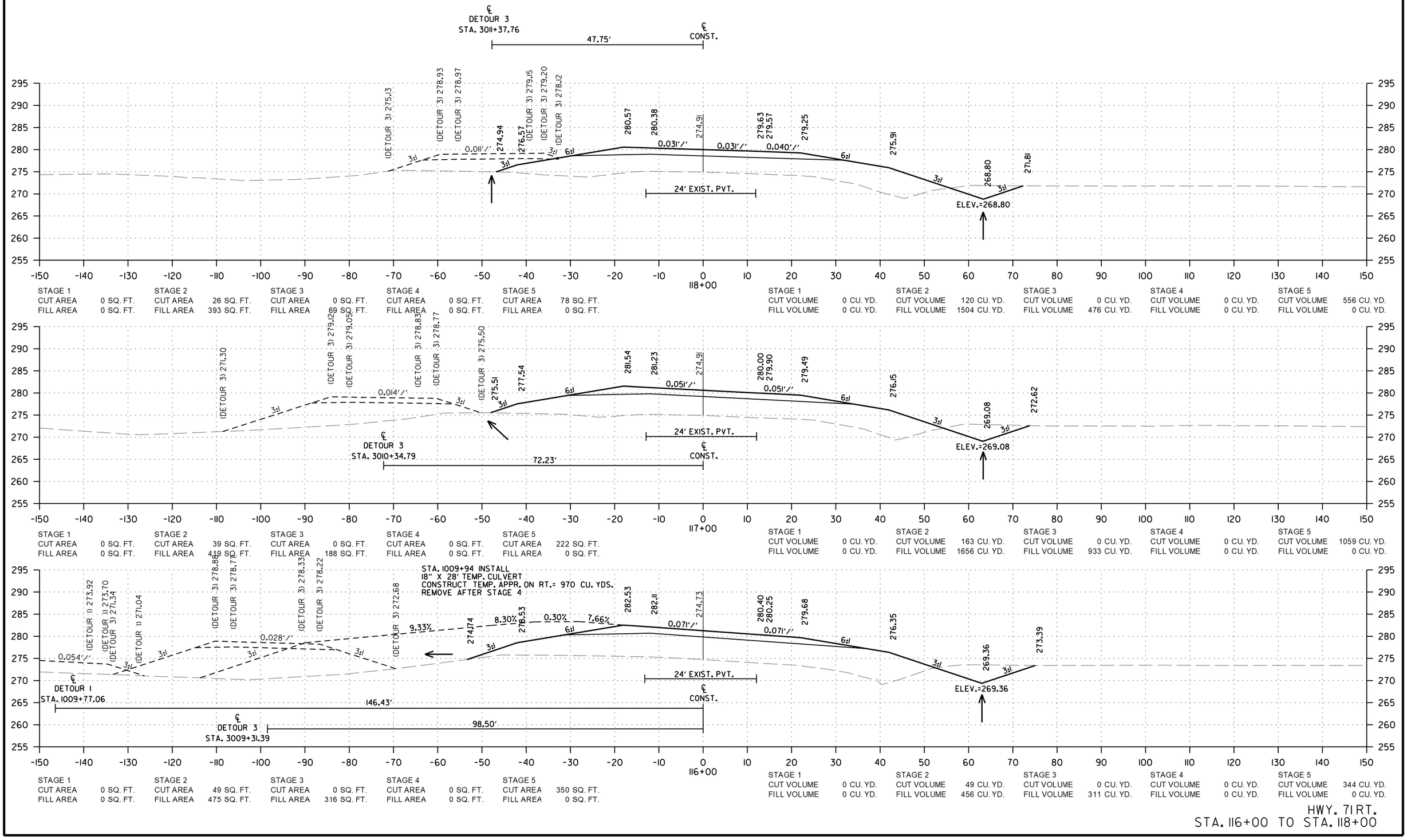
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	37 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	502 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	104 CU. YD.	CUT VOLUME	146 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	97 CU. YD.	FILL VOLUME	1282 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 RT.
STA. 115+00 TO STA. 115+73

MM41715 6/15/2026
RO30531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	151	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	26 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	78 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	393 SQ. FT.	FILL AREA	69 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	120 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	556 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1504 CU. YD.	FILL VOLUME	476 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	39 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	222 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	419 SQ. FT.	FILL AREA	188 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	163 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	1059 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1656 CU. YD.	FILL VOLUME	933 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

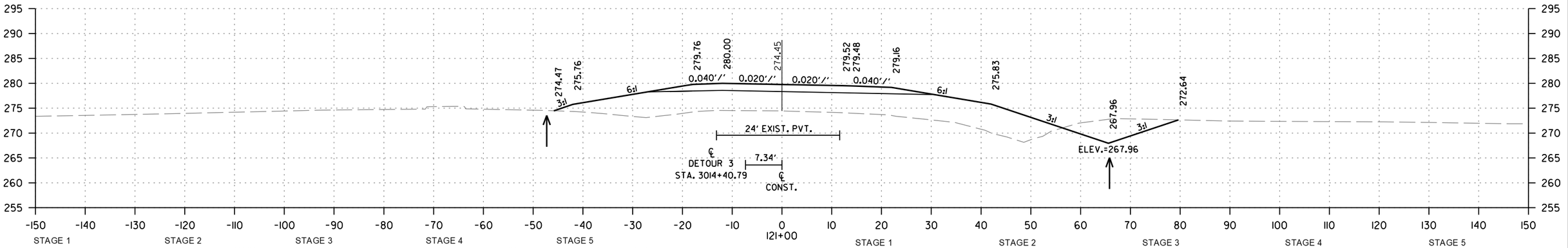
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	49 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	350 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	475 SQ. FT.	FILL AREA	316 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	49 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	344 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	456 CU. YD.	FILL VOLUME	311 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 116+00 TO STA. 118+00

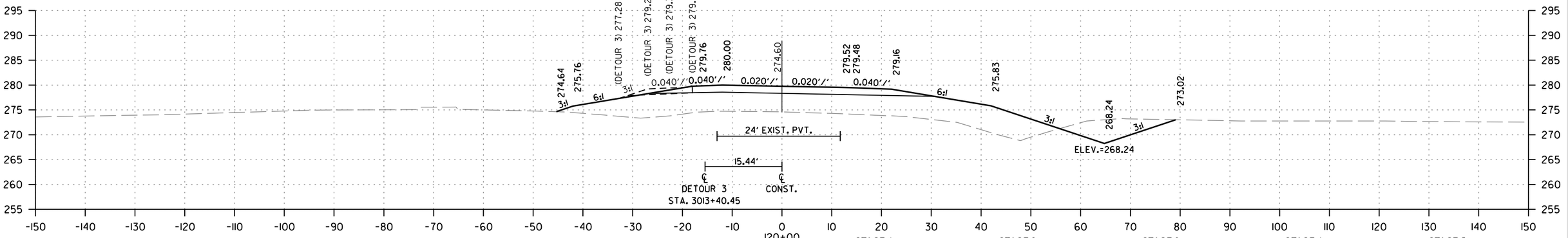
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	152	183
		CROSS SECTIONS				



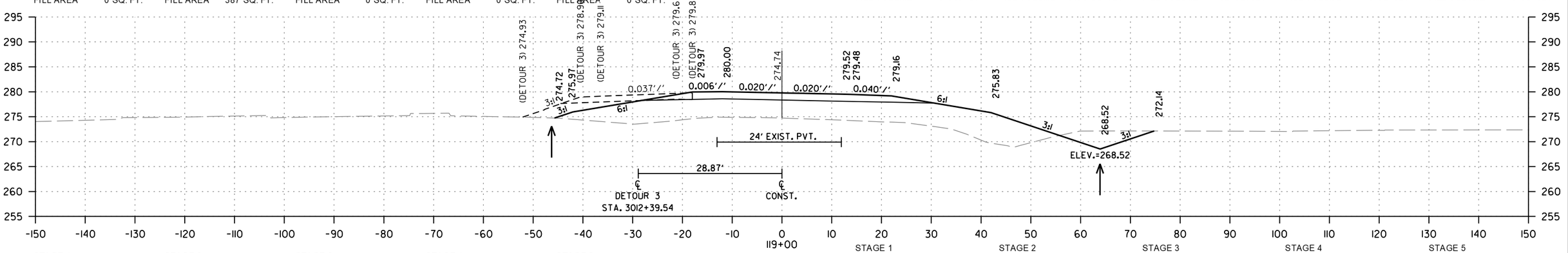
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	59 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	480 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	219 CU. YD.	CUT VOLUME	13 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	13 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1606 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	59 SQ. FT.	CUT AREA	7 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	7 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	387 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	176 CU. YD.	CUT VOLUME	13 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	106 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1431 CU. YD.	FILL VOLUME	52 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



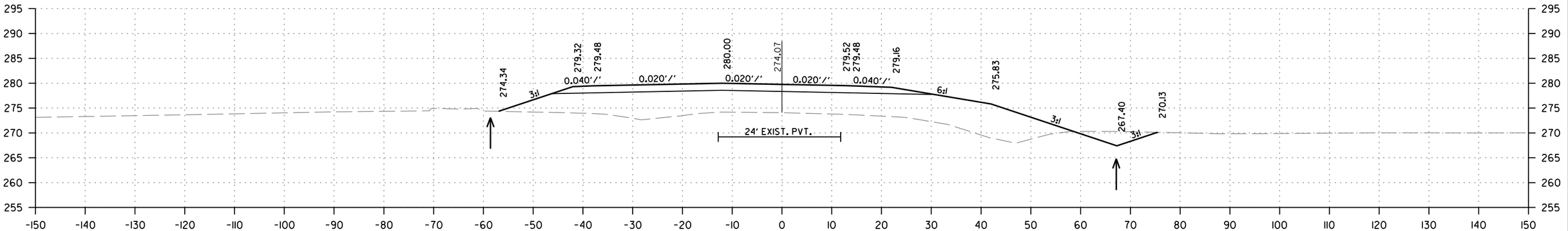
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	36 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	50 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	386 SQ. FT.	FILL AREA	28 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	115 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	237 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1443 CU. YD.	FILL VOLUME	180 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 119+00 TO STA. 121+00

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R030531.DGN

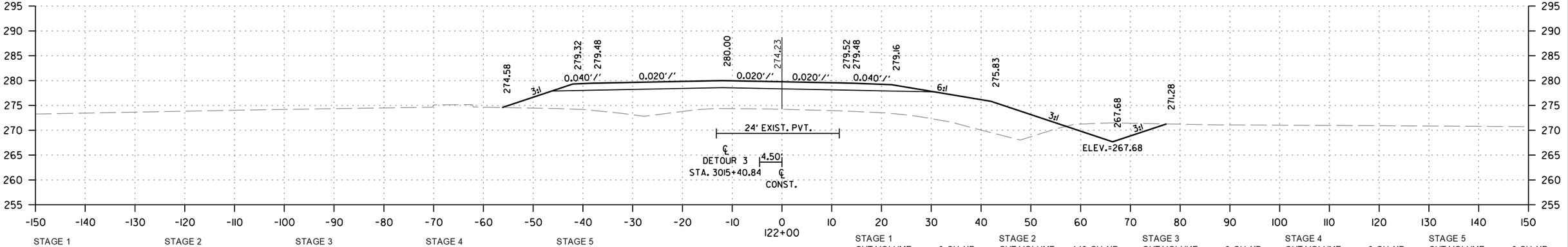
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	153	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	24 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	507 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

123+00

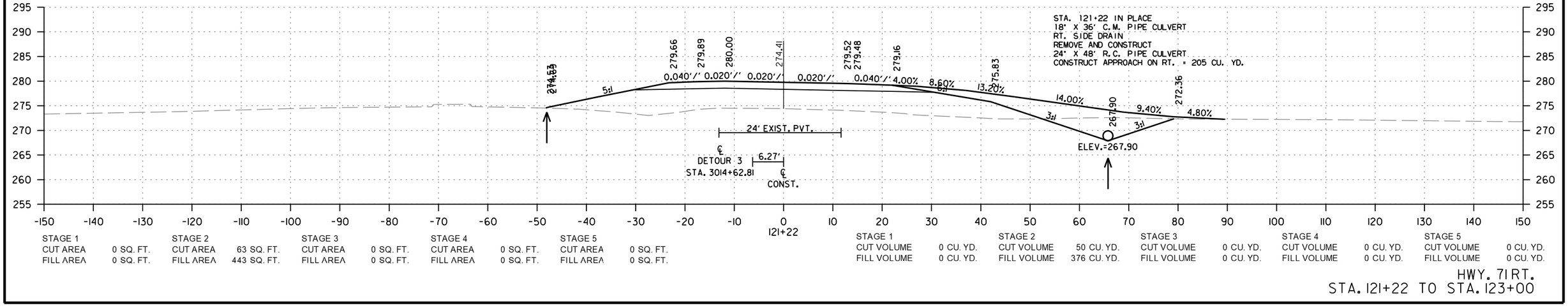
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	119 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1835 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	40 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	484 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

122+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	149 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1339 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	63 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	443 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

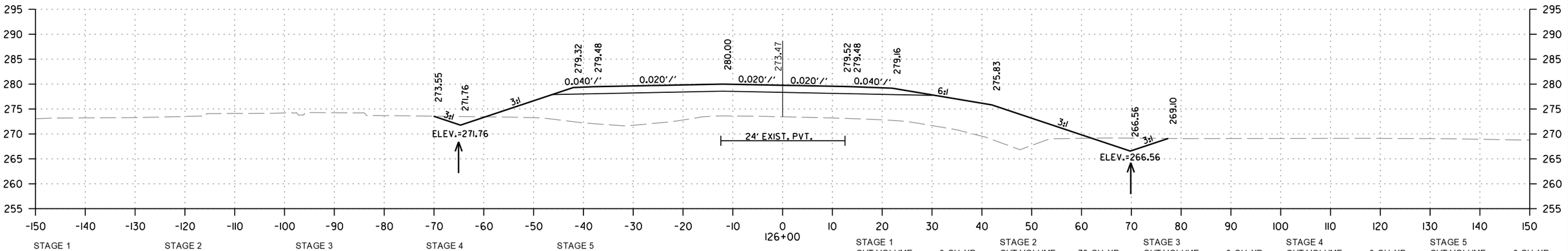
121+22

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	50 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	376 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 121+22 TO STA. 123+00

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RO30531.DGN

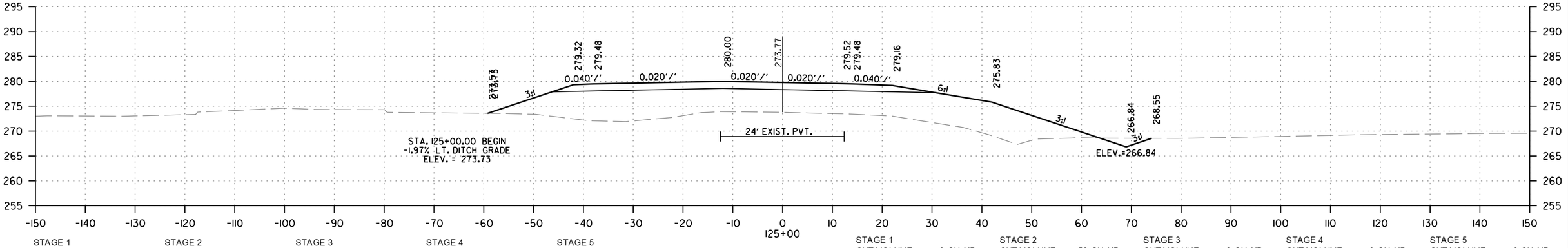
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	154	183
		CROSS SECTIONS				



126+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	29 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	601 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

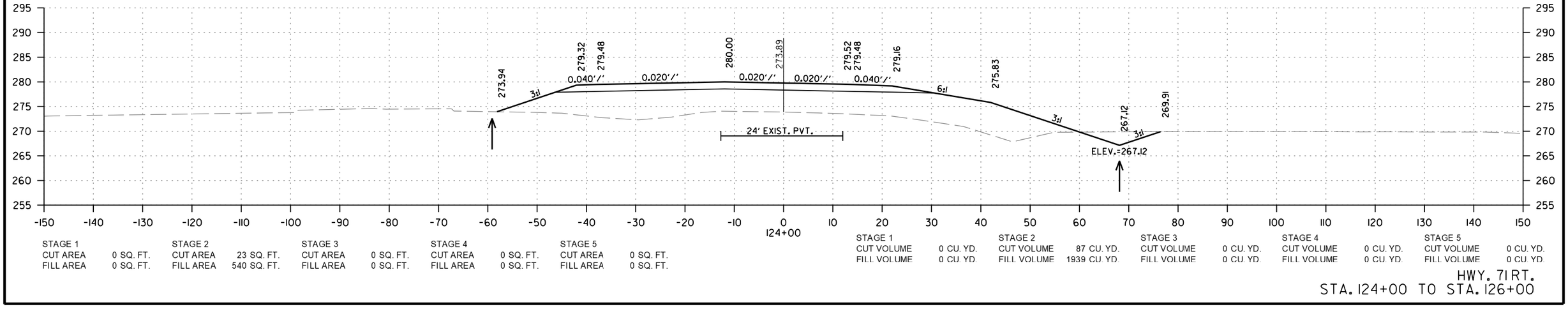
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	70 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2193 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



125+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	583 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	59 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2080 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



124+00

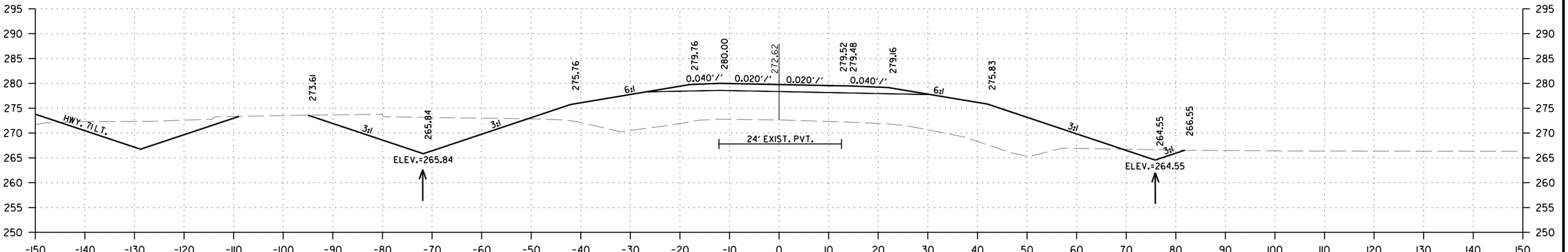
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	23 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	540 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	87 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1939 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 124+00 TO STA. 126+00

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RO30531.DGN

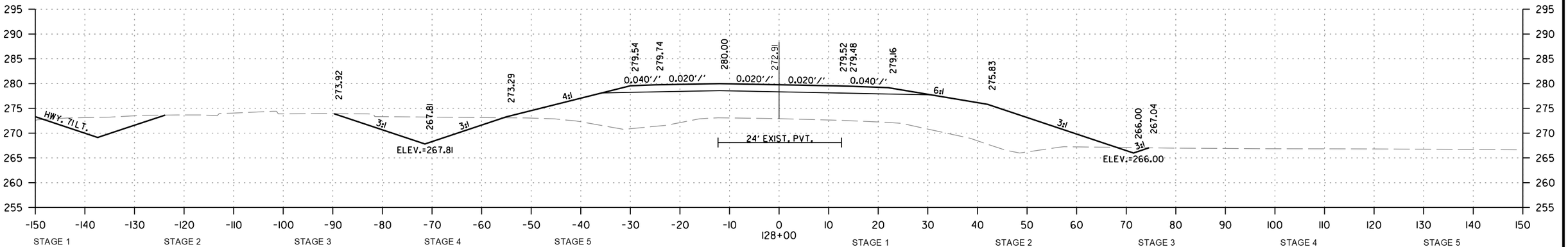
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	155	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	179 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	669 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

129+00

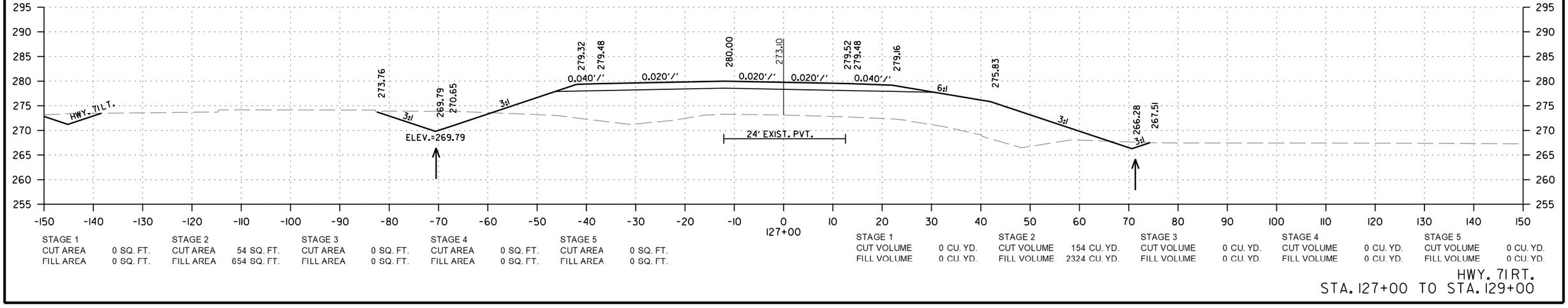
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	509 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2459 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	96 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	659 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

128+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	278 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2431 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	54 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	654 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

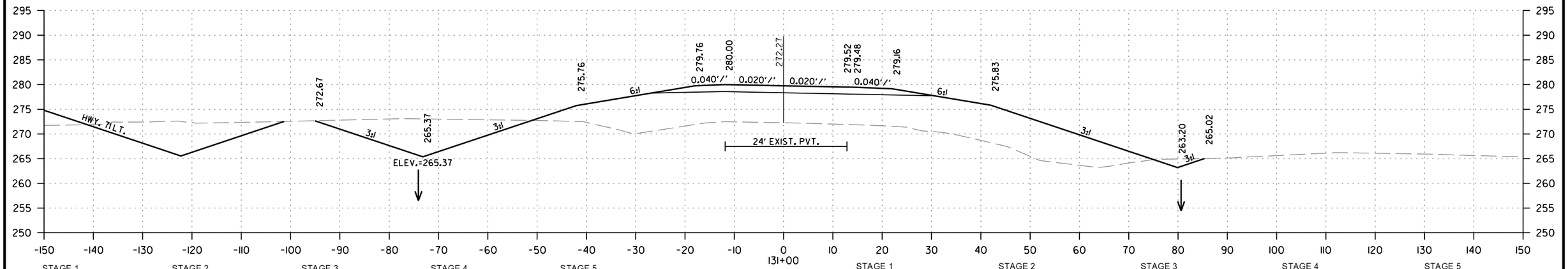
127+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	154 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2324 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 RT.
STA. 127+00 TO STA. 129+00

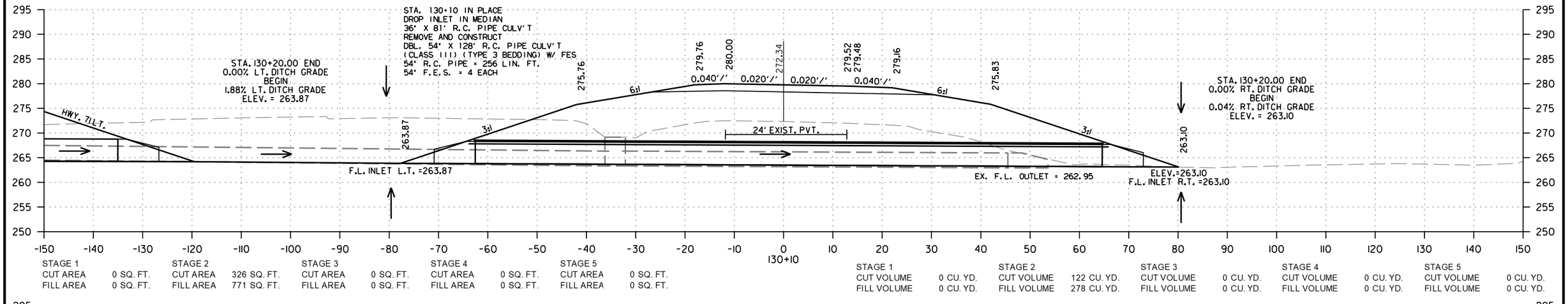
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	156	183
		CROSS SECTIONS				



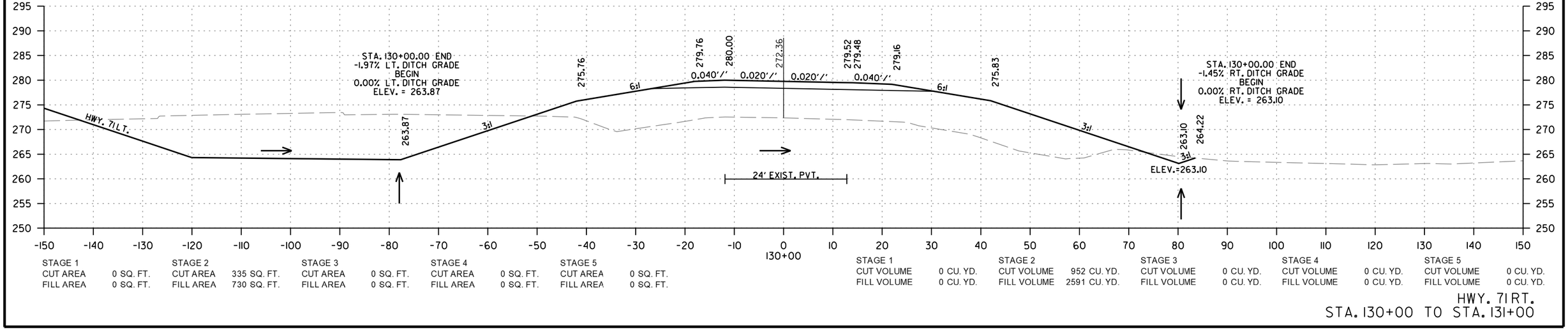
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	179 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	738 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	842 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2515 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	326 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	771 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	122 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	278 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



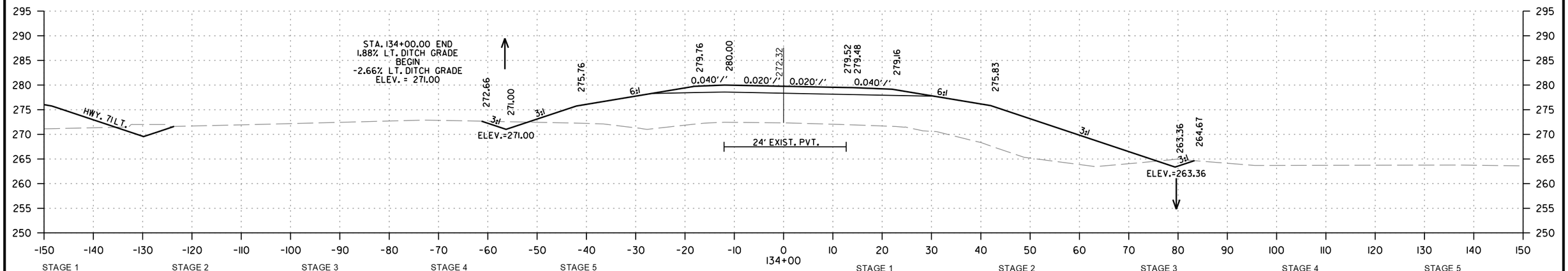
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	335 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	730 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	952 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2591 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 130+00 TO STA. 131+00

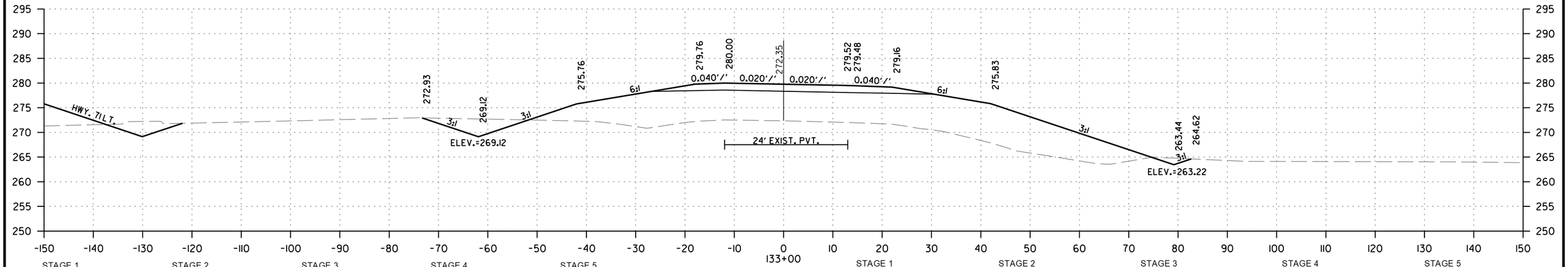
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	157	183
		CROSS SECTIONS				



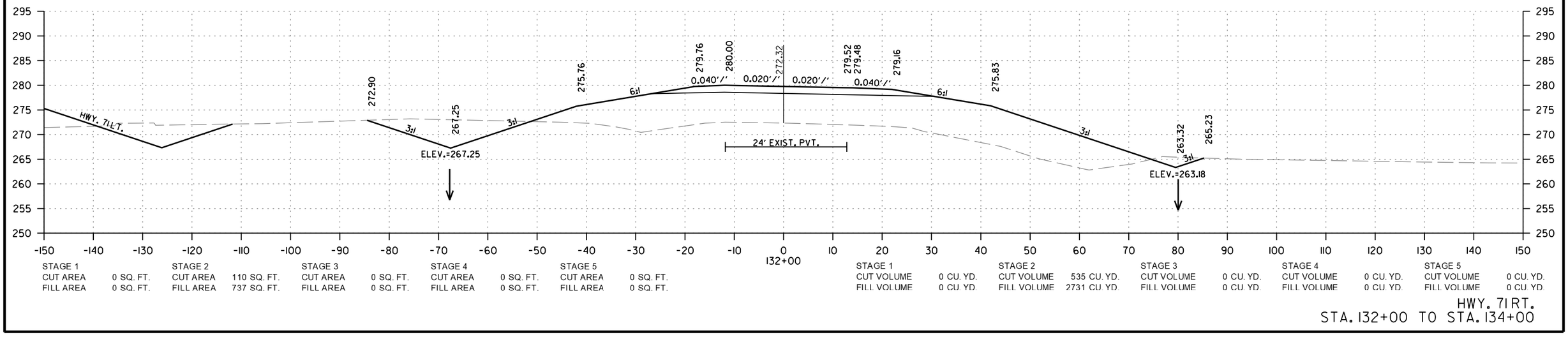
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	732 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	106 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2689 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	44 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	720 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	285 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2698 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



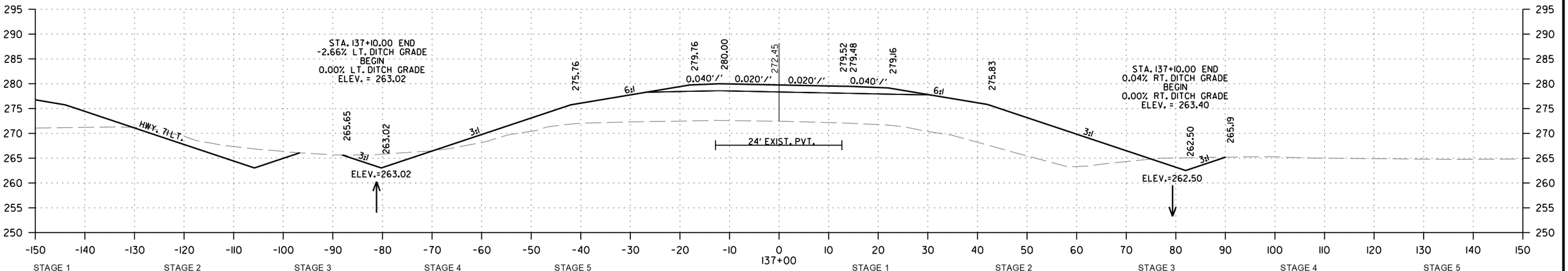
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	110 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	737 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	535 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2731 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 132+00 TO STA. 134+00

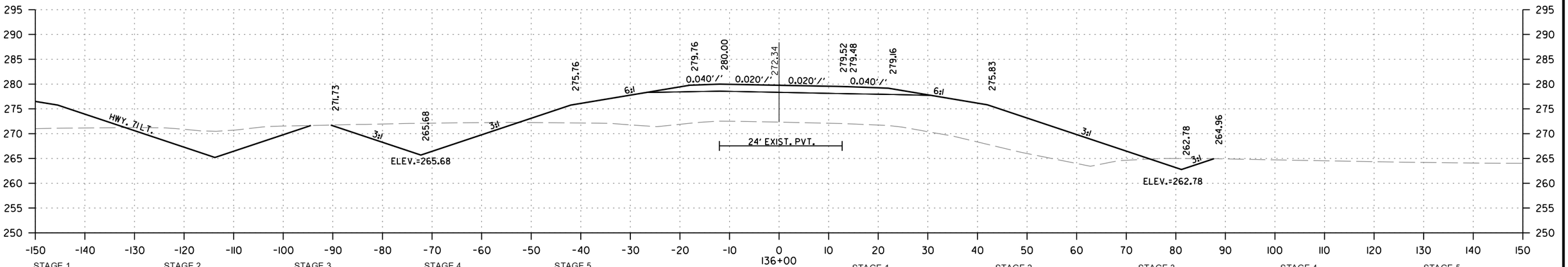
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	158	183
		CROSS SECTIONS				



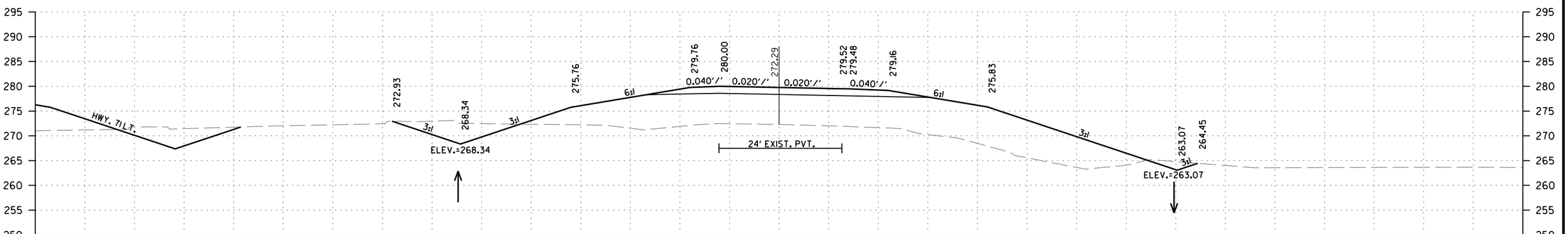
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	45 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	750 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	341 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2713 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	139 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	715 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	380 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2670 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



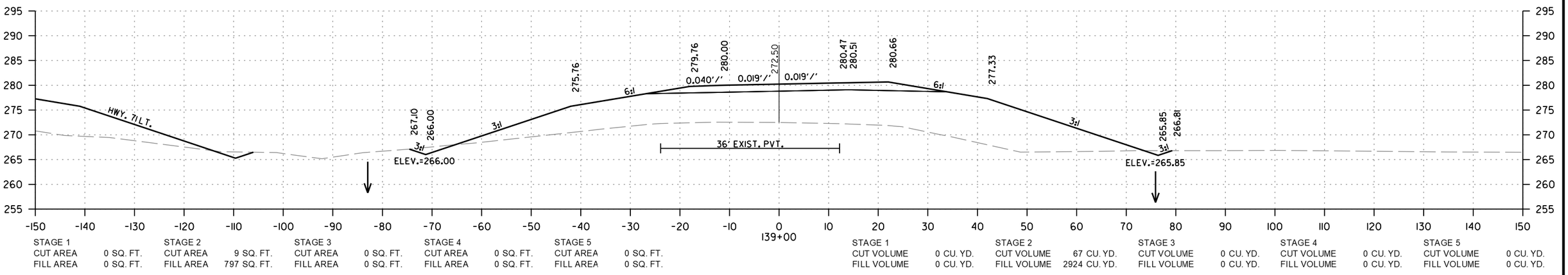
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	66 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	727 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	146 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2702 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 135+00 TO STA. 137+00

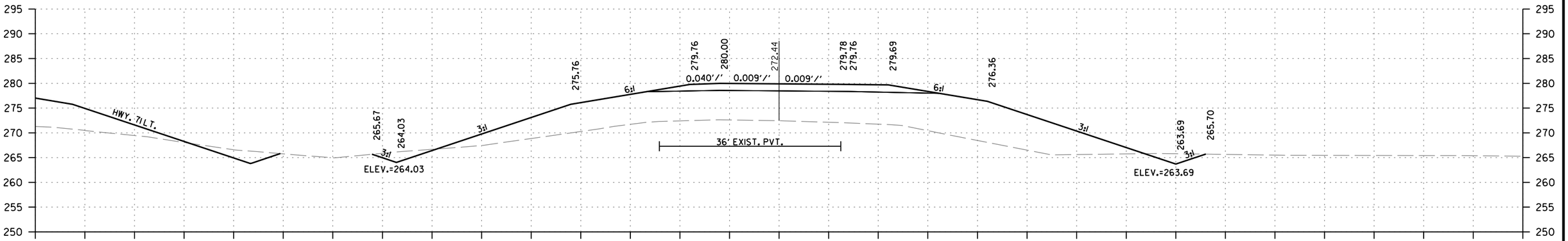
MM41715 6/15/2026
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	159	183
		CROSS SECTIONS				



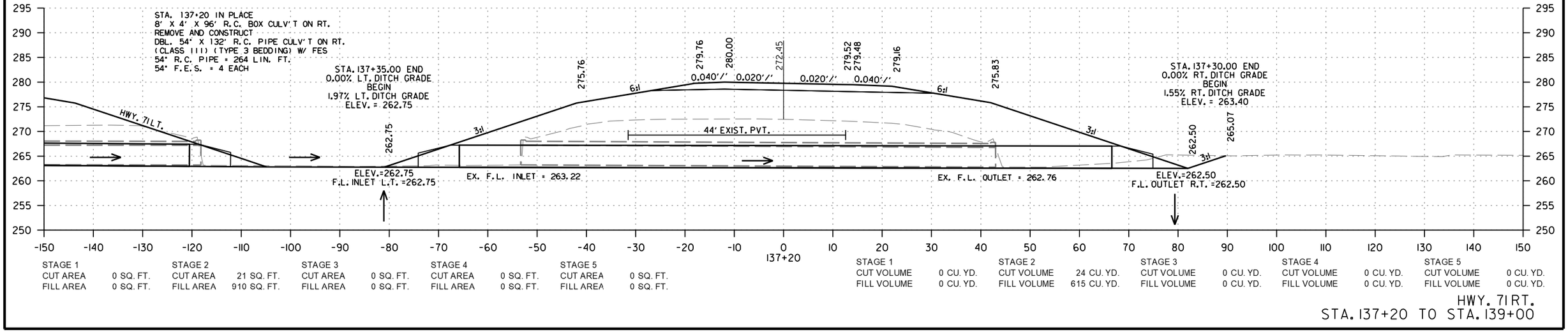
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	797 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	67 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2924 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	27 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	782 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	71 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2507 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



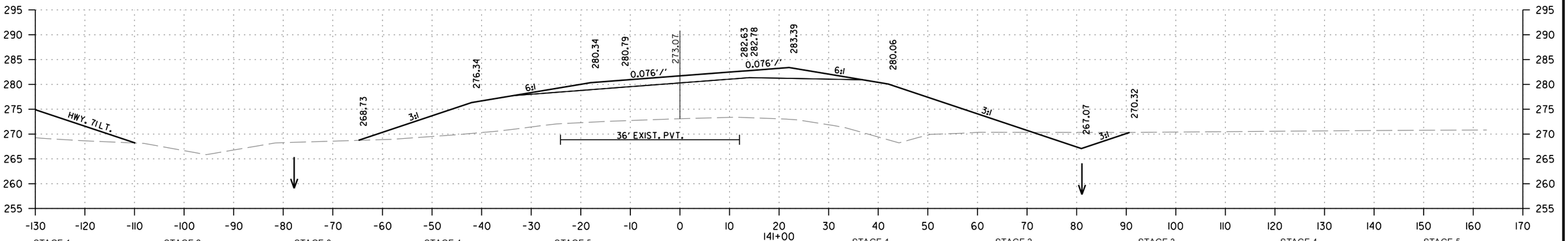
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	910 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	24 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	615 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 137+20 TO STA. 139+00

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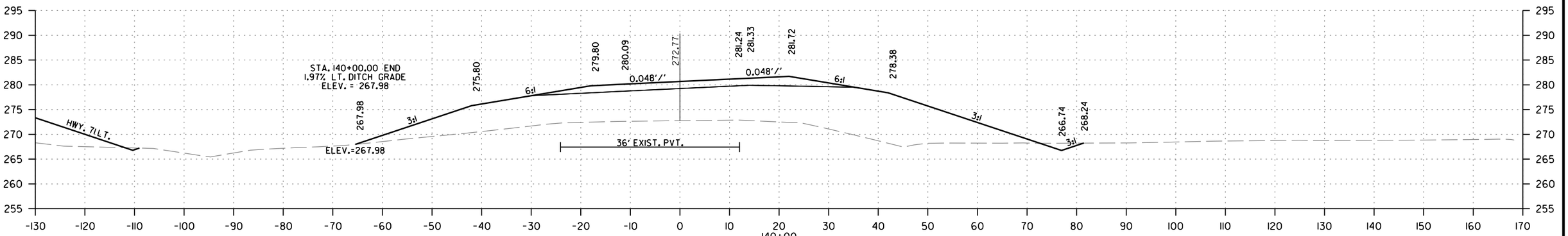
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	160	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	32 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	873 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

141+00

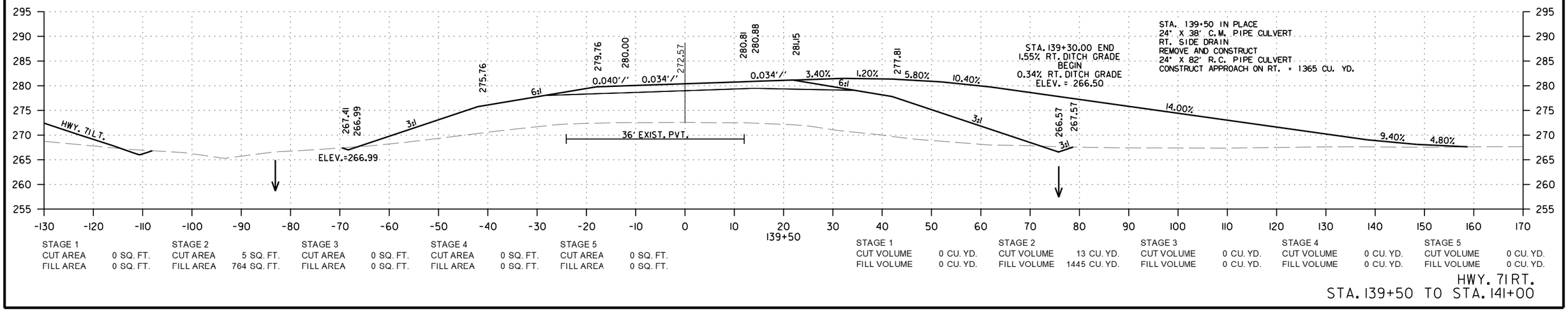
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	72 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	3107 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	7 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	805 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

140+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	11 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1453 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	5 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	764 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

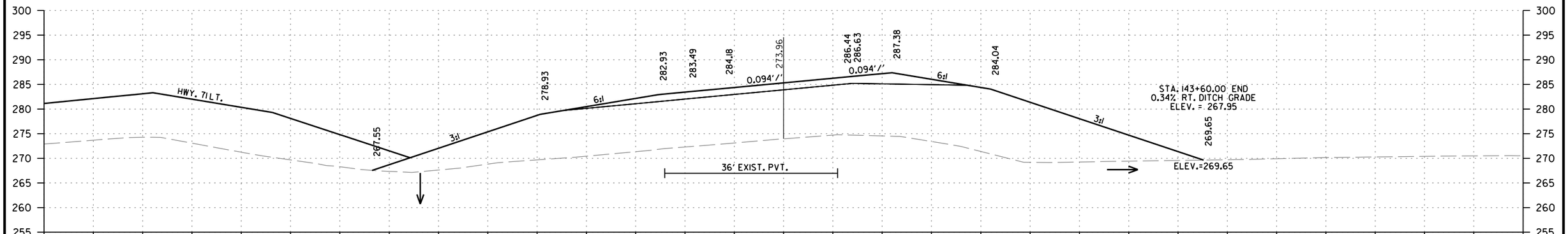
139+50

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	13 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1445 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 RT.
STA. 139+50 TO STA. 141+00

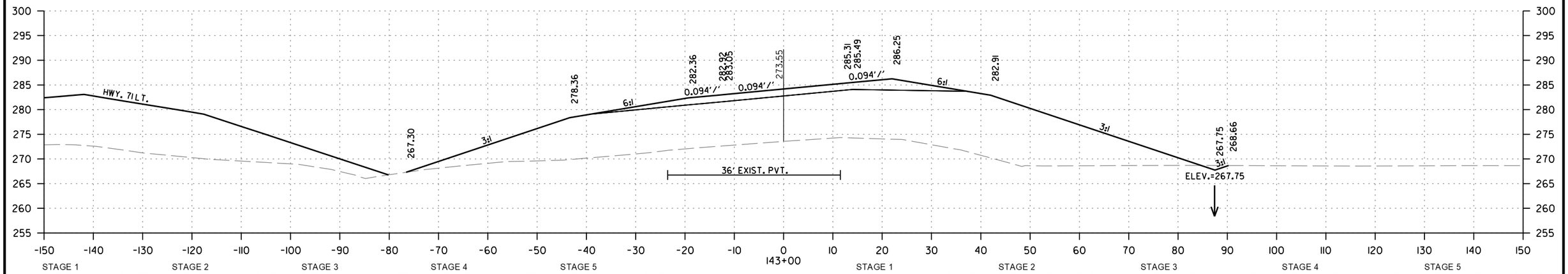
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DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	161	183
		CROSS SECTIONS				



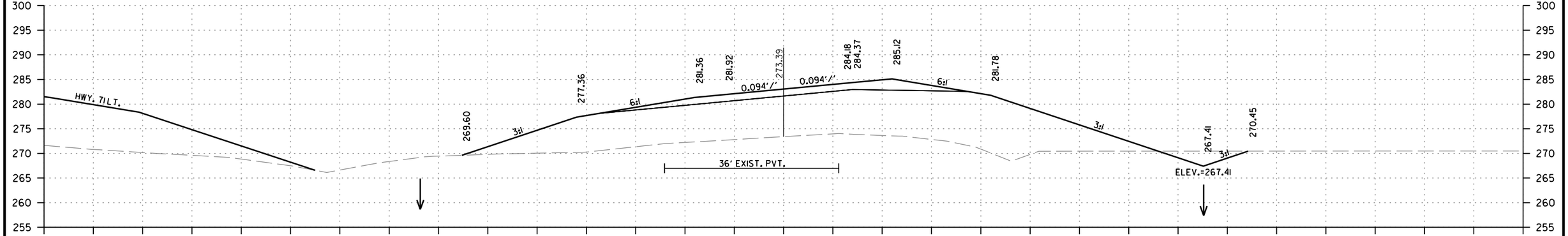
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1433 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	6 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	4976 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1254 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	57 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	4183 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



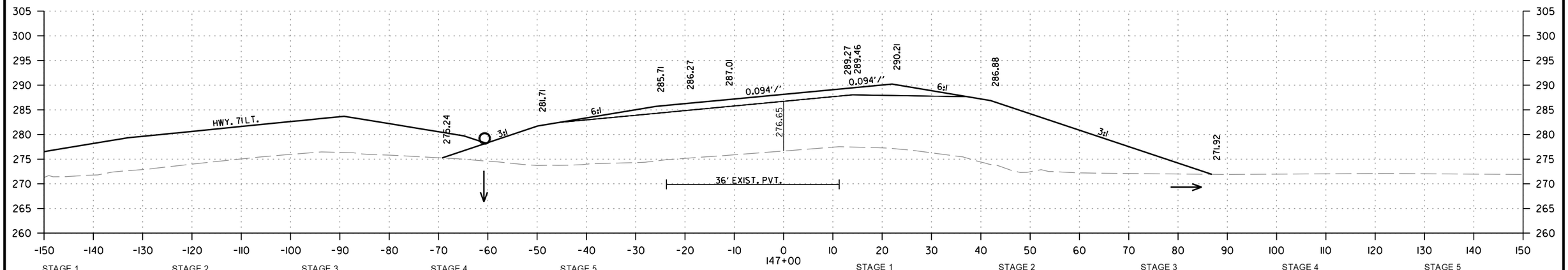
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	28 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1005 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	111 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	3478 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 RT.
STA. 142+00 TO STA. 144+00

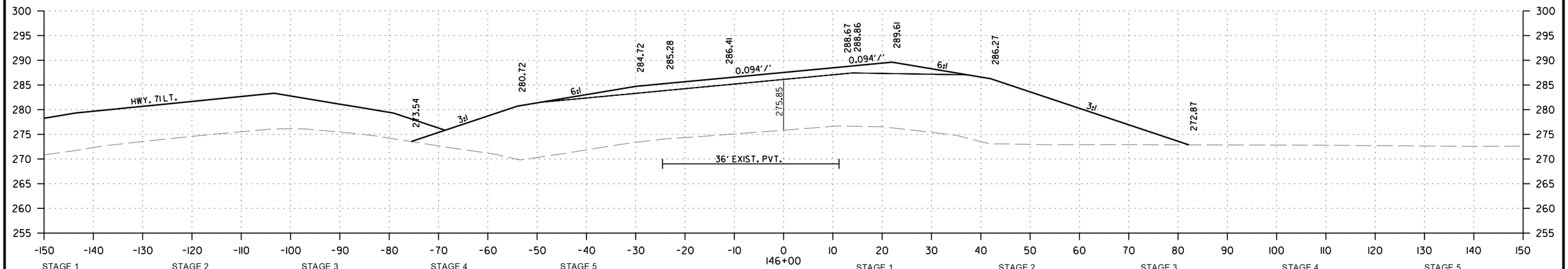
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	162	183
		CROSS SECTIONS				



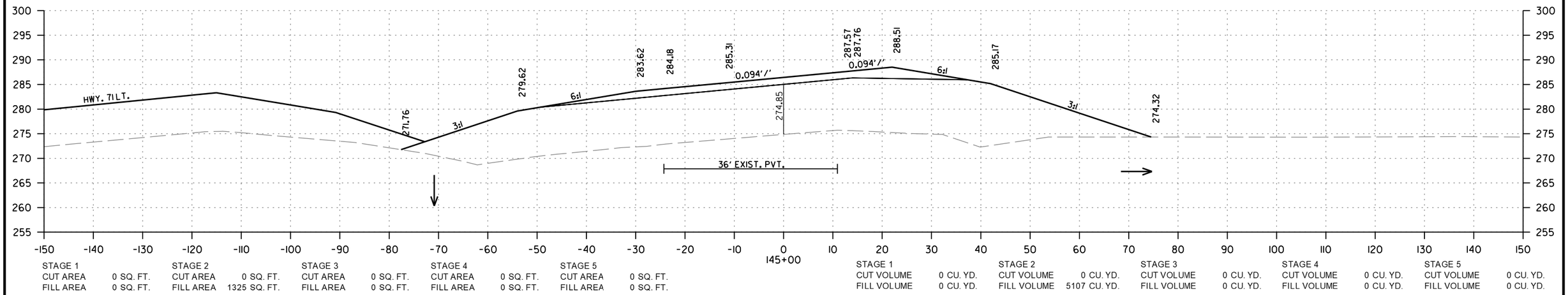
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1332 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	5078 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1410 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	5065 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



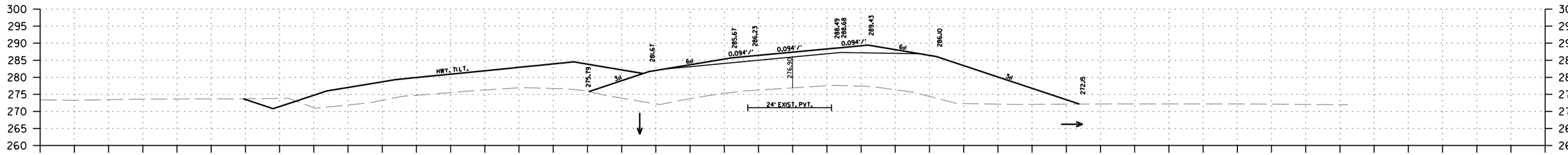
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1325 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	5107 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71RT.
STA. 145+00 TO STA. 147+00

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R030531.DGN

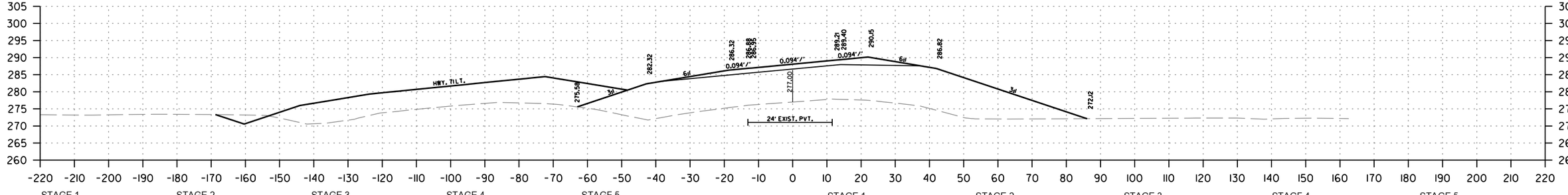
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	163	183
		CROSS SECTIONS				



149+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1178 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

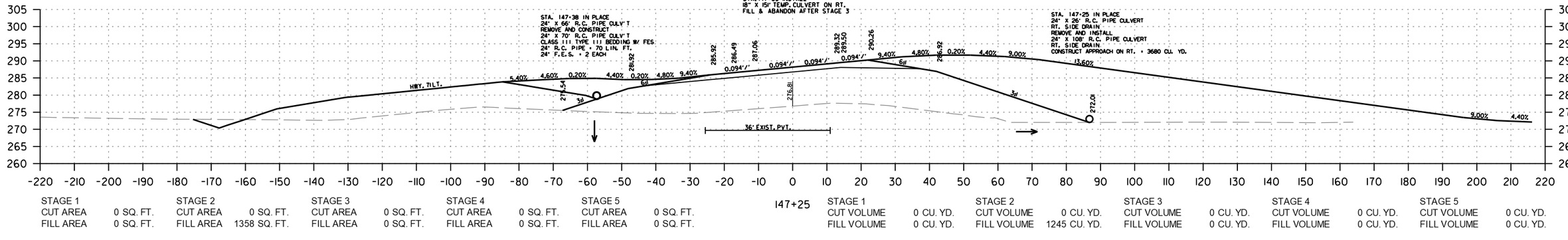
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	4557 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



148+00

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1283 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	3668 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



147+25

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	1358 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

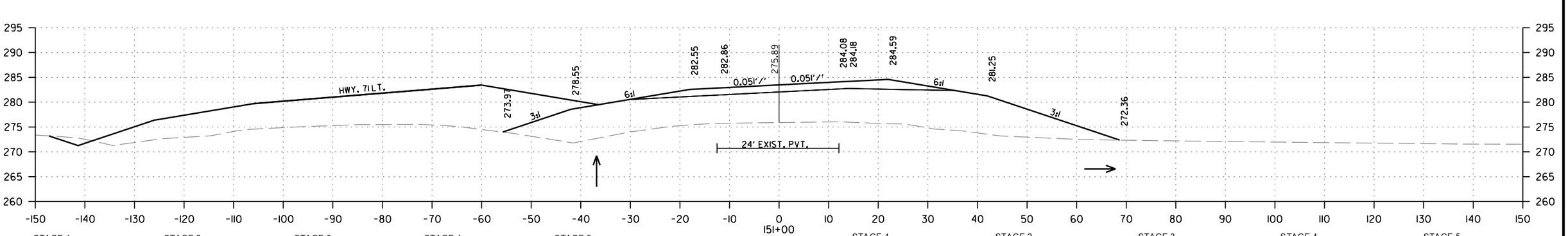
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1245 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

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RO30531.DGN

HWY. 71RT.
CROSS SECTION STA. 147+25 TO STA. 149+00

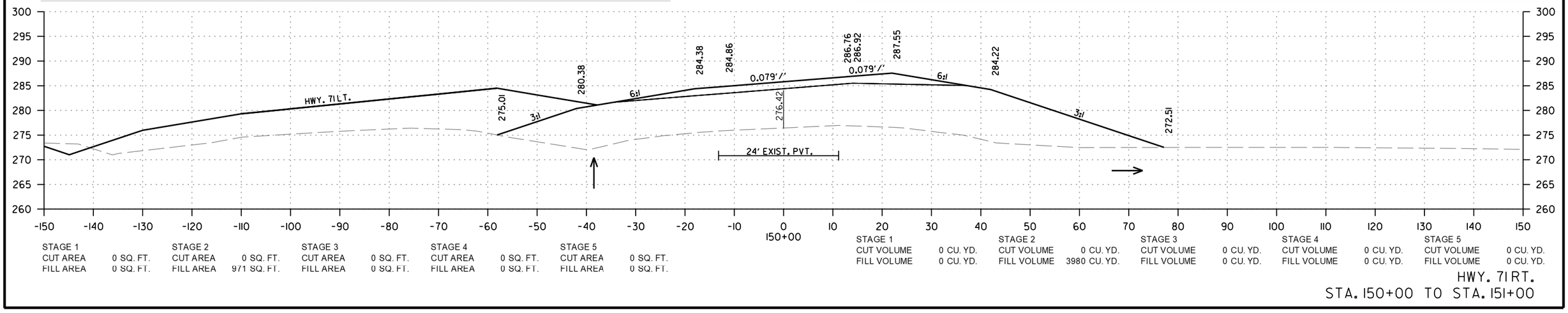
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	164	183
		CROSS SECTIONS				

C.L. HWY. 71 STA. 152+00.00 42.00' RT. =
C.L. HWY. 71 RT. STA. 152+00.00



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	708 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	3109 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



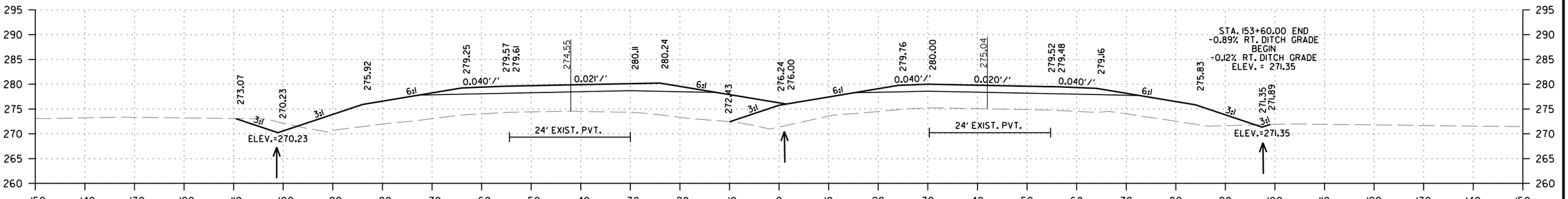
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	971 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	3980 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71 RT.
STA. 150+00 TO STA. 151+00

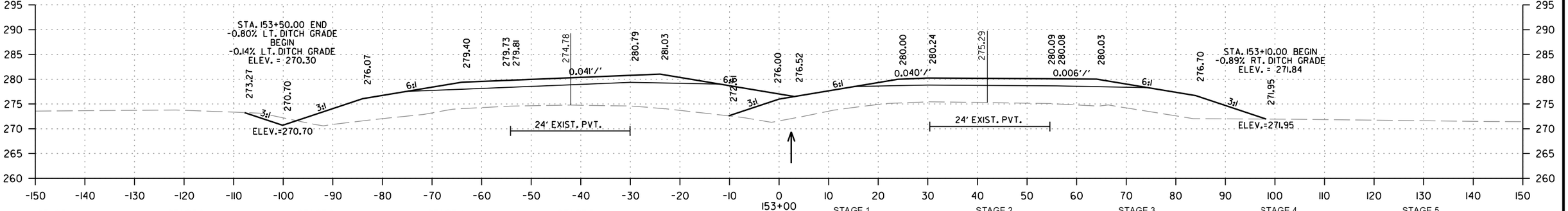
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	165	183
		CROSS SECTIONS				



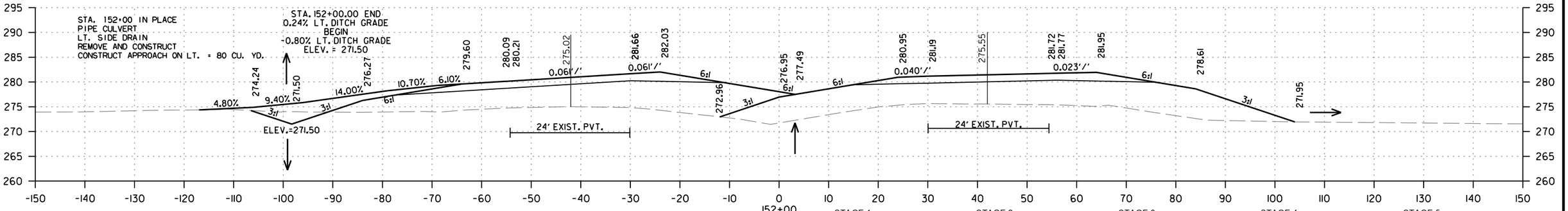
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	15 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	357 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	398 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	2 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	44 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1374 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1506 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	385 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	415 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	52 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1663 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1487 CU. YD.	FILL VOLUME	0 CU. YD.



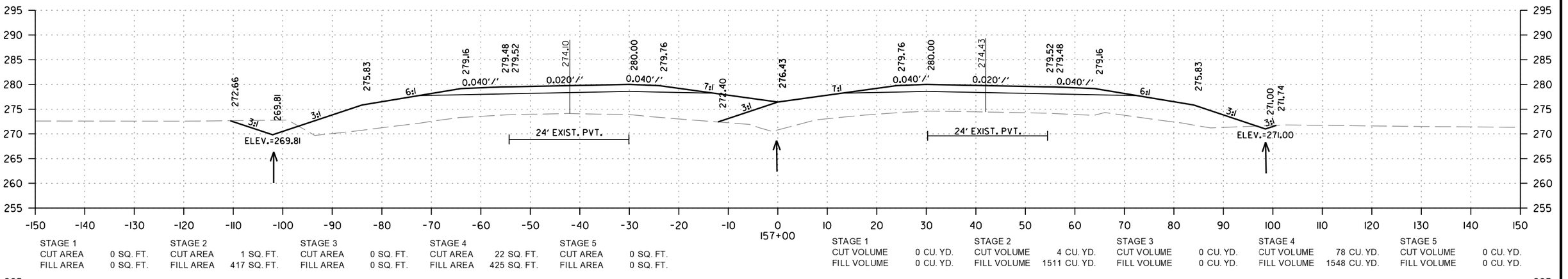
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	19 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	513 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	388 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 152+00 TO STA. 154+00

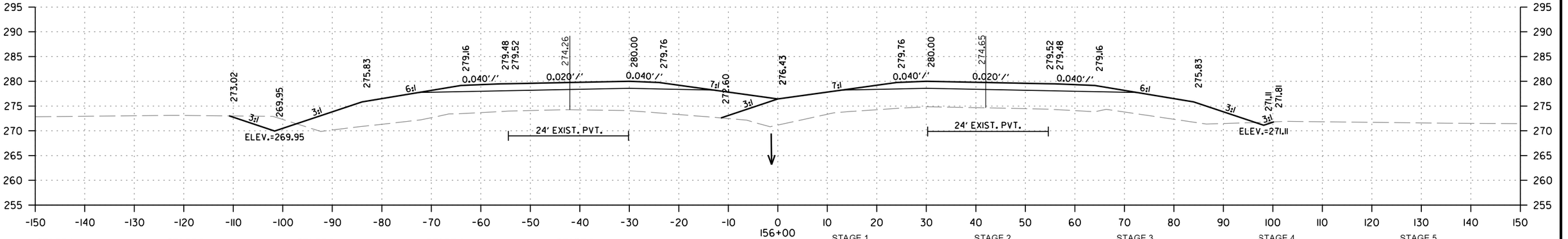
MM41715 6/15/2026
RO30531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	166	183
		CROSS SECTIONS				



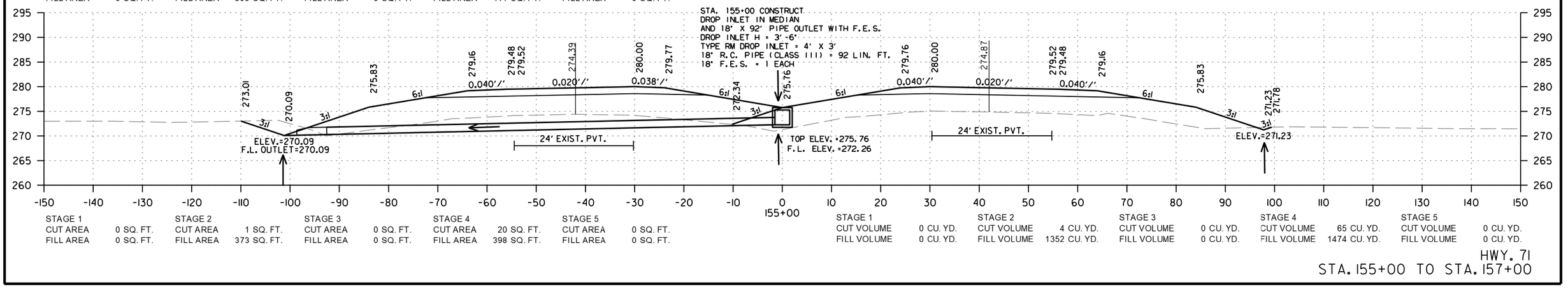
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	22 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	417 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	425 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	78 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1511 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1548 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	399 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	411 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	74 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1430 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1498 CU. YD.	FILL VOLUME	0 CU. YD.



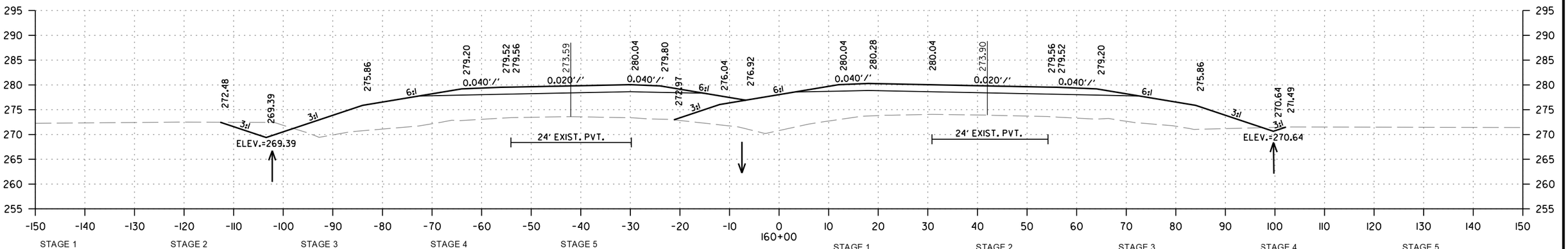
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	373 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	398 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1352 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1474 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 155+00 TO STA. 157+00

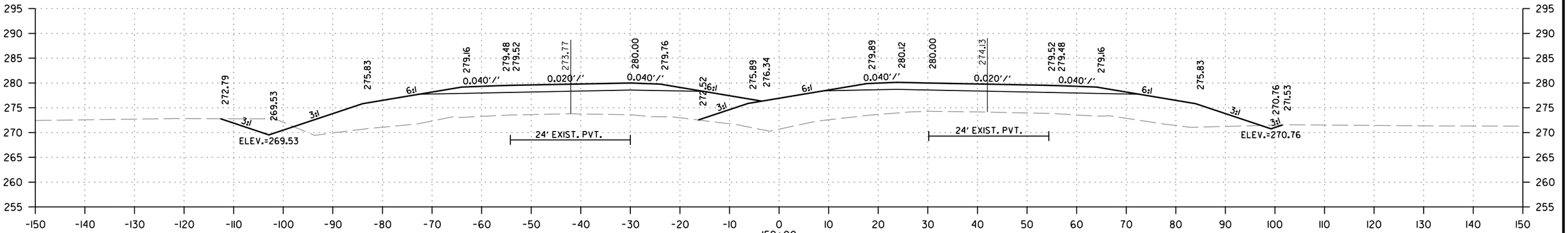
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	167	183
		CROSS SECTIONS				



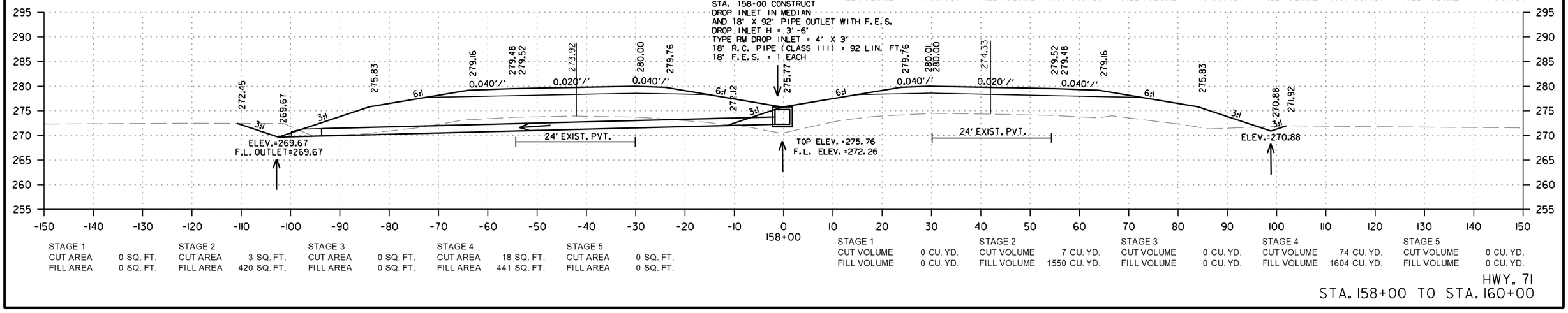
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	23 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	548 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	410 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	7 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	89 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1933 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1541 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	25 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	496 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	422 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	9 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	80 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1696 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1598 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	18 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	420 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	441 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	7 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	74 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1550 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1604 CU. YD.	FILL VOLUME	0 CU. YD.

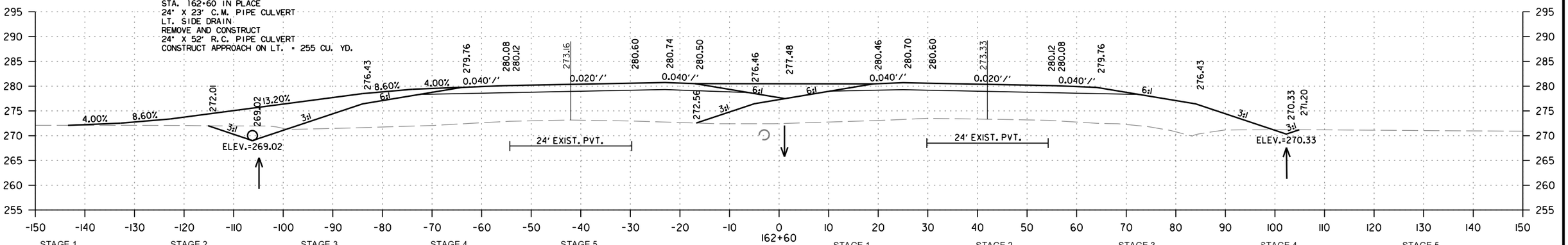
MM41715 6/15/2026
RO30531.DGN

HWY. 71
STA. 158+00 TO STA. 160+00

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	168	183
		CROSS SECTIONS				

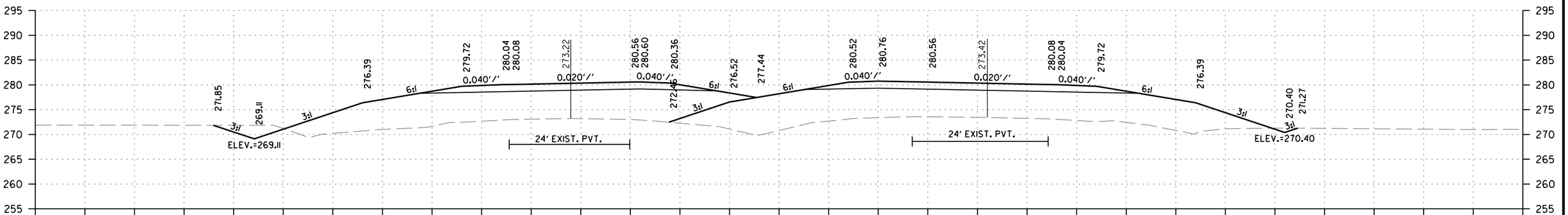
STA. 162+50 IN PLACE
24' X 66' R.C. PIPE CULV'T W/ FES IN MEDIAN
REMOVE

STA. 162+60 IN PLACE
24' X 23' C.M. PIPE CULVERT
LT. SIDE DRAIN
REMOVE AND CONSTRUCT
24' X 52' R.C. PIPE CULVERT
CONSTRUCT APPROACH ON LT. = 255 CU. YD.



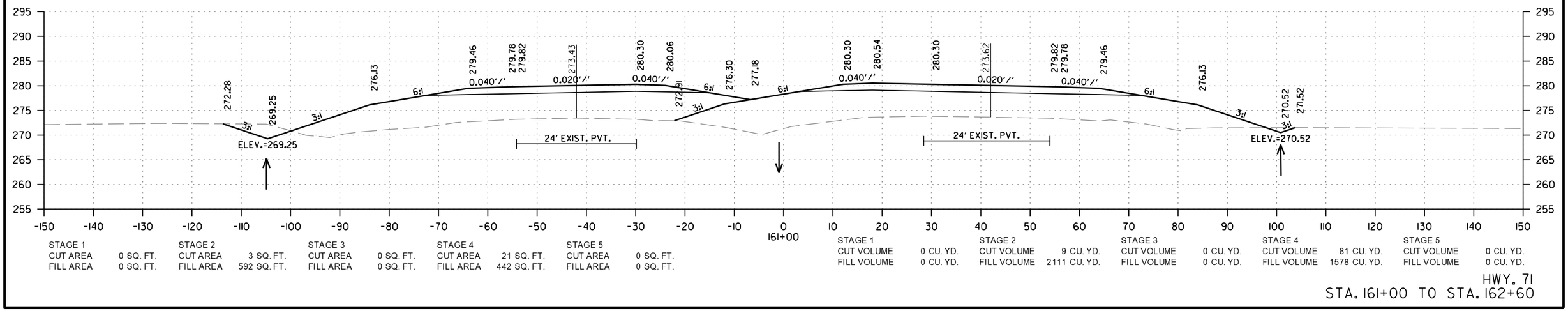
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	25 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	590 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	506 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	51 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1370 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1103 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	643 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	487 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	9 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	78 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2287 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1720 CU. YD.	FILL VOLUME	0 CU. YD.



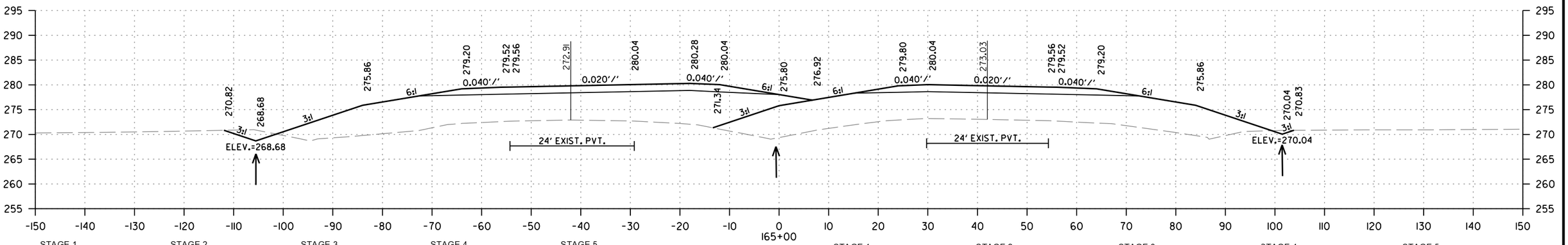
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	592 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	442 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	9 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	81 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2111 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1578 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 161+00 TO STA. 162+60

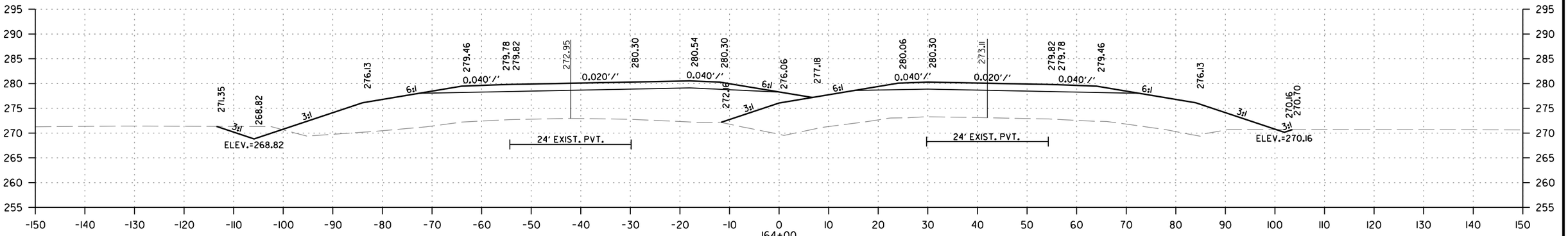
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	169	183
		CROSS SECTIONS				



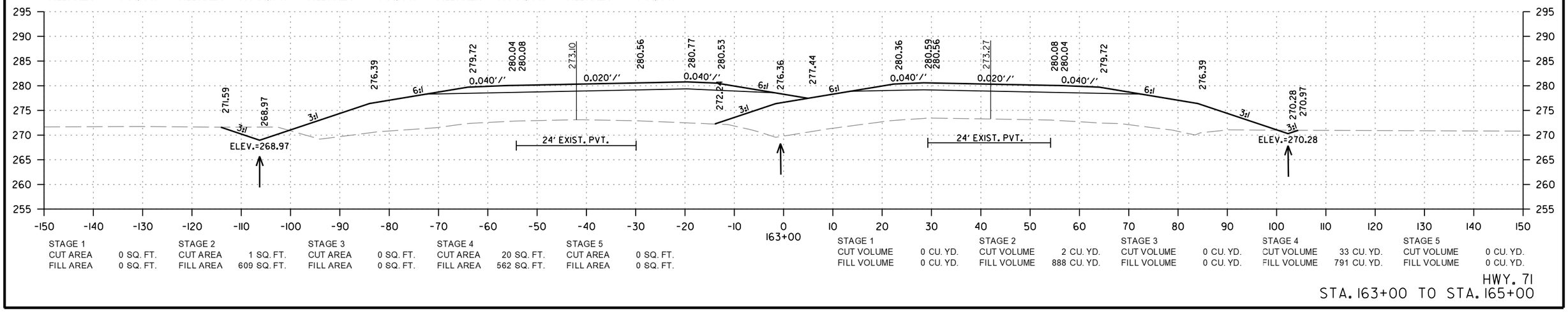
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	12 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	583 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	560 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	6 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	56 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2169 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2081 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	18 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	588 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	564 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	4 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	70 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2217 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2085 CU. YD.	FILL VOLUME	0 CU. YD.



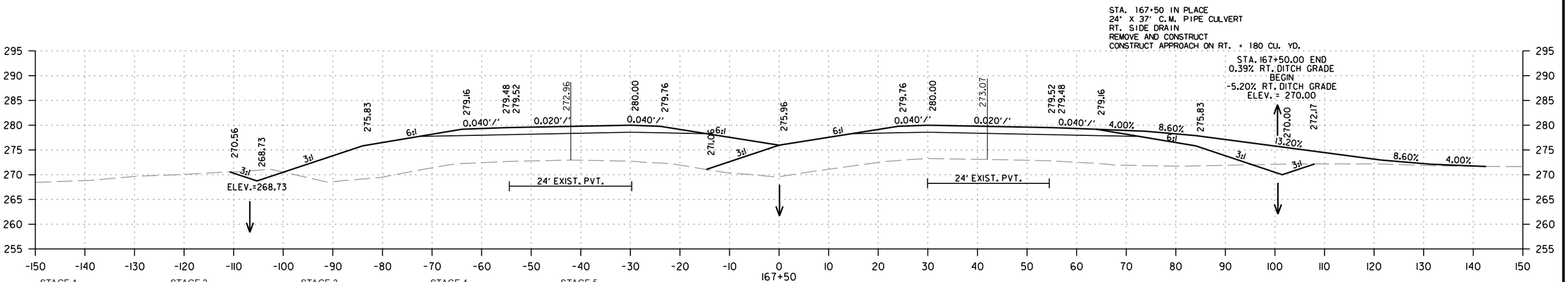
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	609 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	562 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	2 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	33 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	888 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	791 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 163+00 TO STA. 165+00

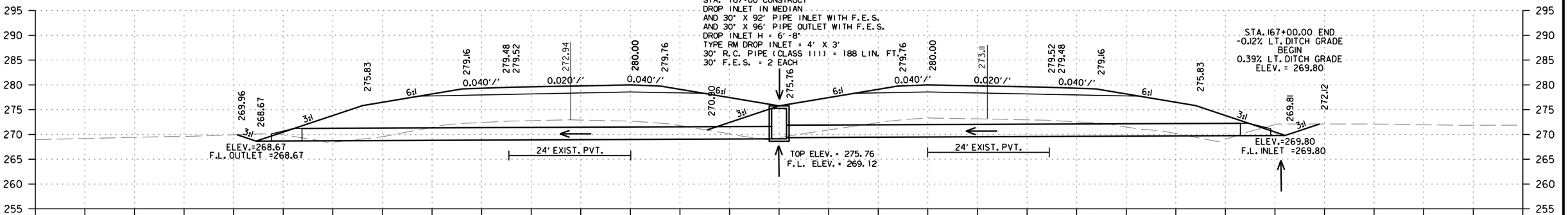
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R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	170	183
		CROSS SECTIONS				



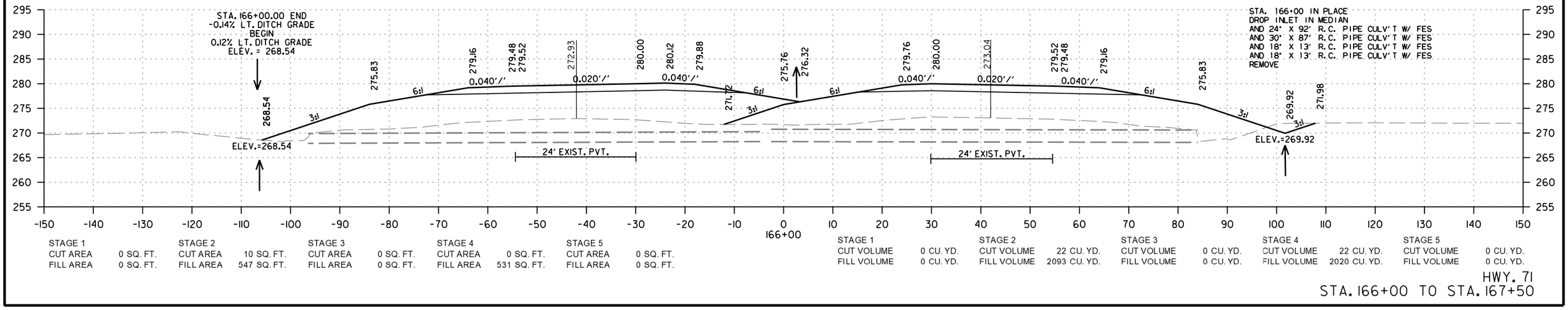
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	544 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	533 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	25 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	18 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1054 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	993 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	14 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	6 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	594 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	539 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	44 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	11 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2113 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1981 CU. YD.	FILL VOLUME	0 CU. YD.



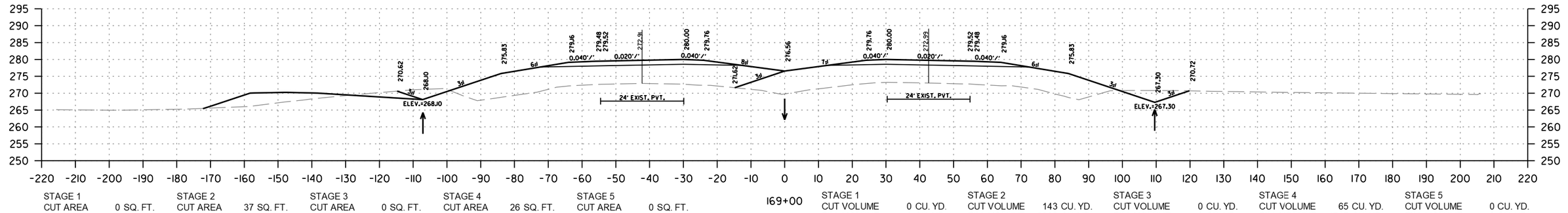
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	10 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	547 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	531 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	22 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	22 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2093 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2020 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 166+00 TO STA. 167+50

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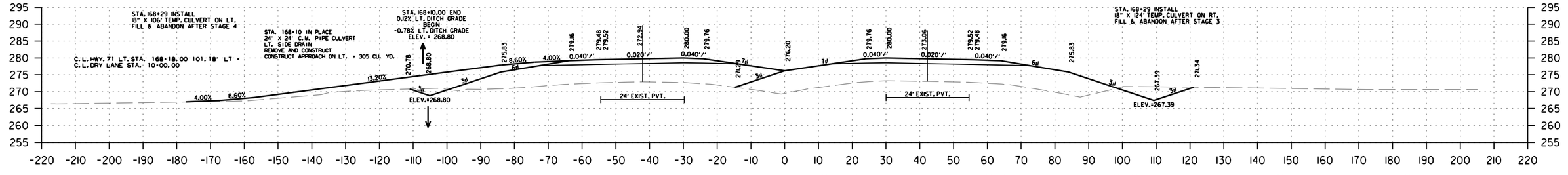
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	171	183
		CROSS SECTIONS				



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	37 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	26 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	602 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	539 SQ. FT.	FILL AREA	0 SQ. FT.

169+00

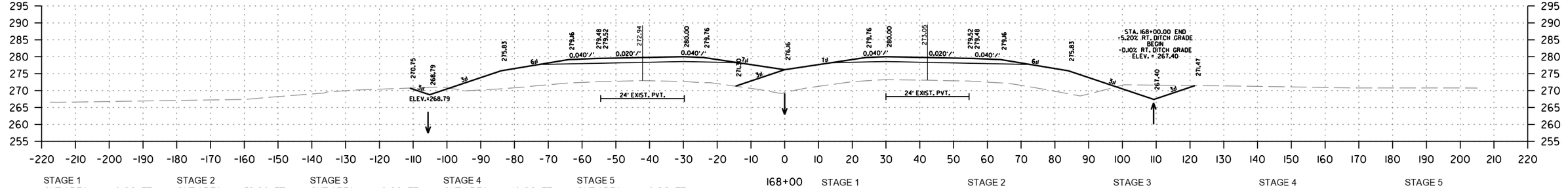
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	143 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2005 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1717 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	49 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	601 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	491 SQ. FT.	FILL AREA	0 SQ. FT.

168+10

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	5 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	222 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	183 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	52 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	13 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	600 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	499 SQ. FT.	FILL AREA	0 SQ. FT.

168+00

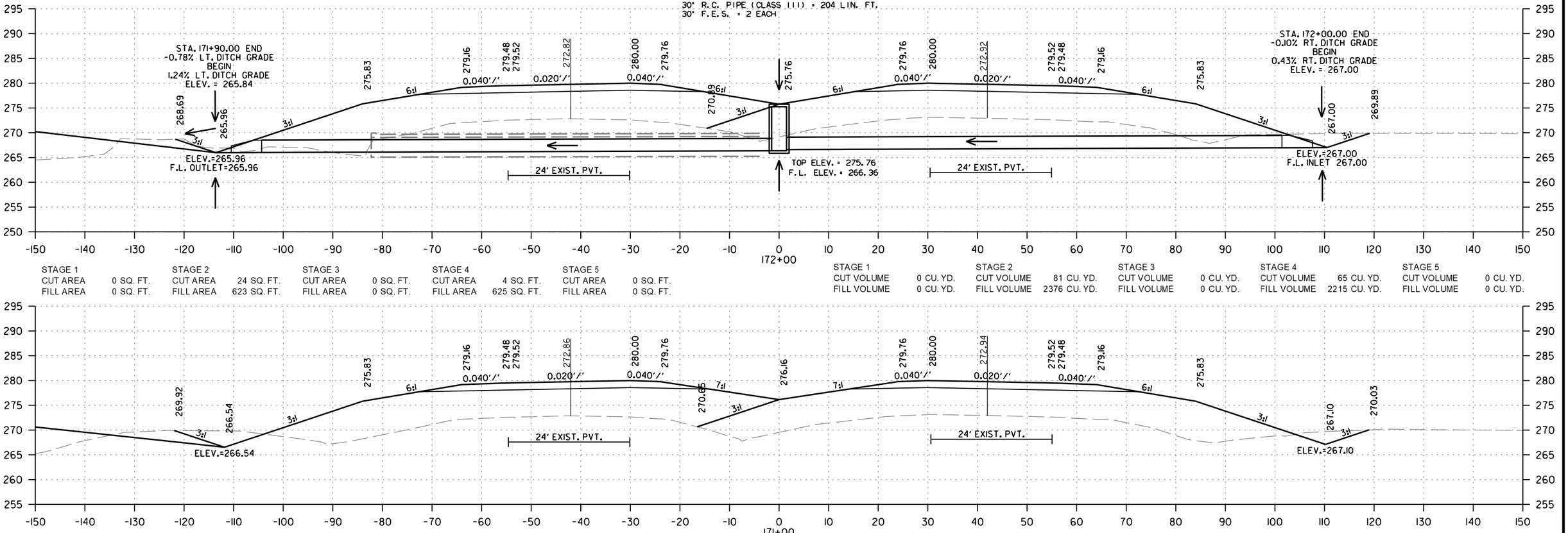
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	60 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	24 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1059 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	956 CU. YD.	FILL VOLUME	0 CU. YD.

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HWY. 71
CROSS SECTION STA. 168+00 TO STA. 169+00

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	172	183
		CROSS SECTIONS				

STA. 172+00 IN PLACE
DROP INLET IN MEDIAN
5' X 4' X 179' R.C. BOX CULV'T
REMOVE AND CONSTRUCT
DROP INLET IN MEDIAN
AND 30" X 100' PIPE INLET WITH F.E.S.
AND 30" X 104' PIPE OUTLET WITH F.E.S.
DROP INLET H = 9'-5"
TYPE RM DROP INLET = 4' X 3'
30" R.C. PIPE (CLASS III) = 204 LIN. FT.
30" F.E.S. = 2 EACH

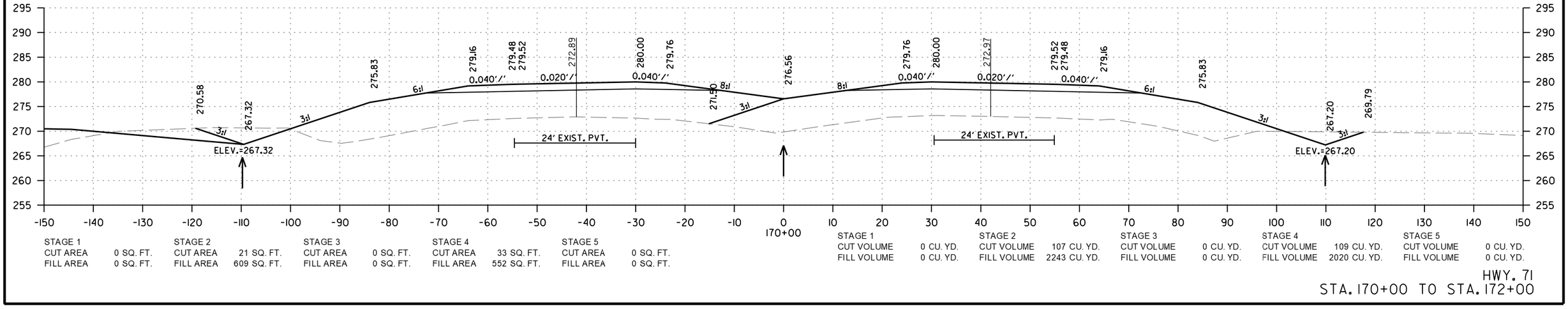


STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	24 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	4 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	623 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	625 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	81 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2376 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2215 CU. YD.	FILL VOLUME	0 CU. YD.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	20 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	31 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	660 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	571 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	76 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	119 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2350 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2080 CU. YD.	FILL VOLUME	0 CU. YD.



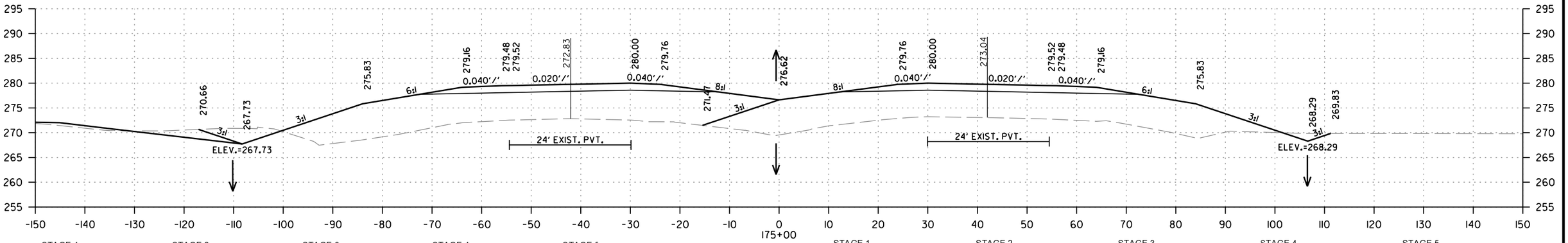
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	33 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	609 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	552 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	107 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	109 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2243 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2020 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 170+00 TO STA. 172+00

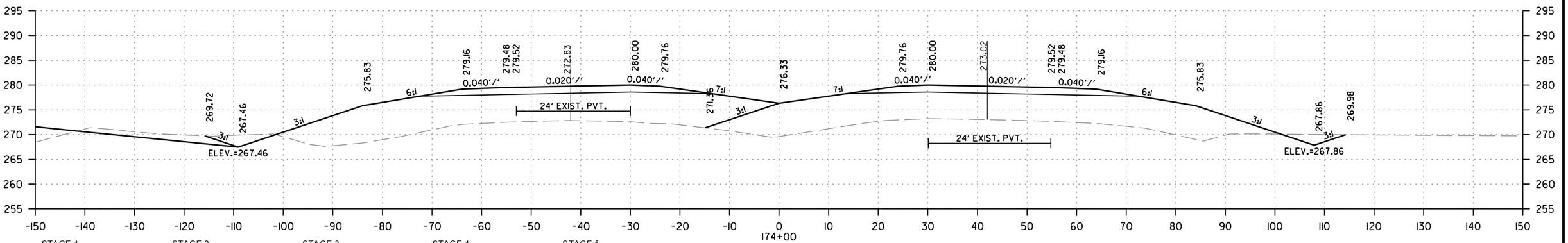
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	173	183
		CROSS SECTIONS				



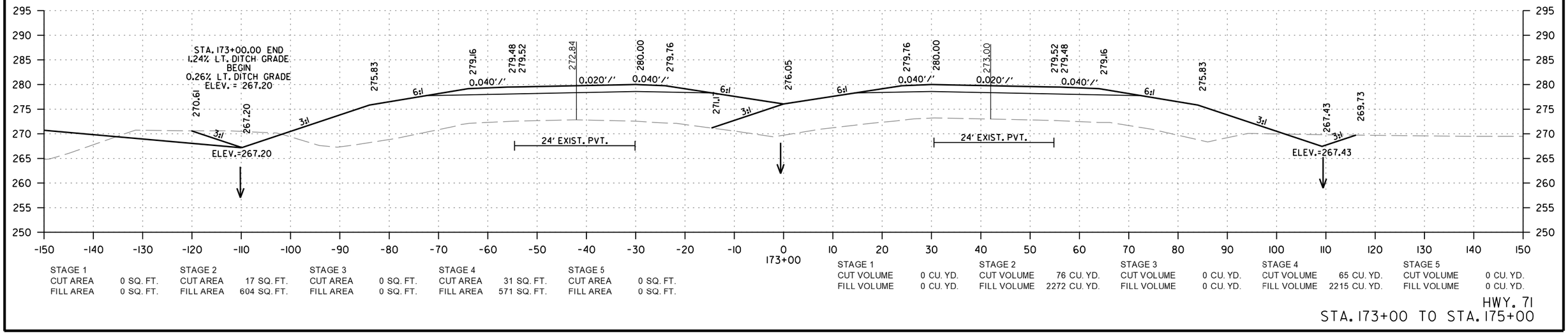
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	7 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	28 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	604 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	555 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	39 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	83 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2228 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2070 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	14 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	17 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	599 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	563 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	57 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	89 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2228 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2100 CU. YD.	FILL VOLUME	0 CU. YD.



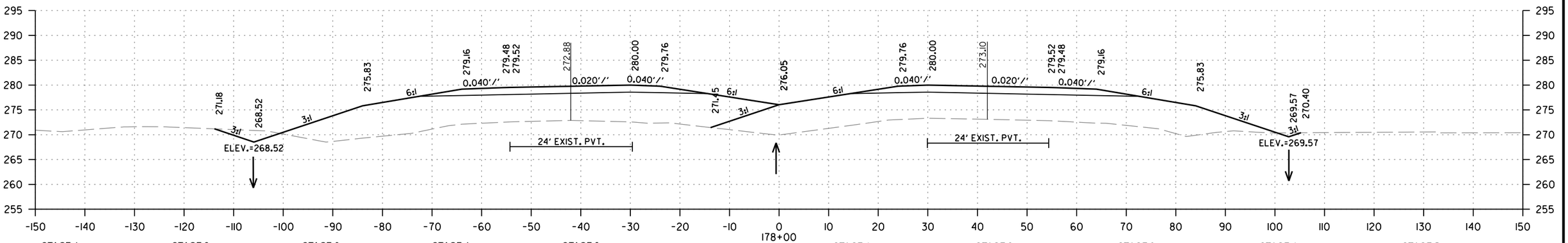
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	17 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	31 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	604 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	571 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	76 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	65 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2272 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2215 CU. YD.	FILL VOLUME	0 CU. YD.

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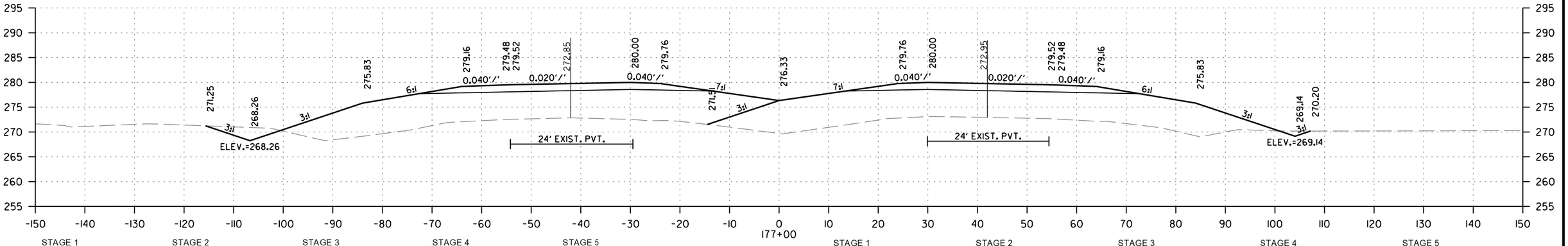
HWY. 71
STA. 173+00 TO STA. 175+00

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	174	183
		CROSS SECTIONS				



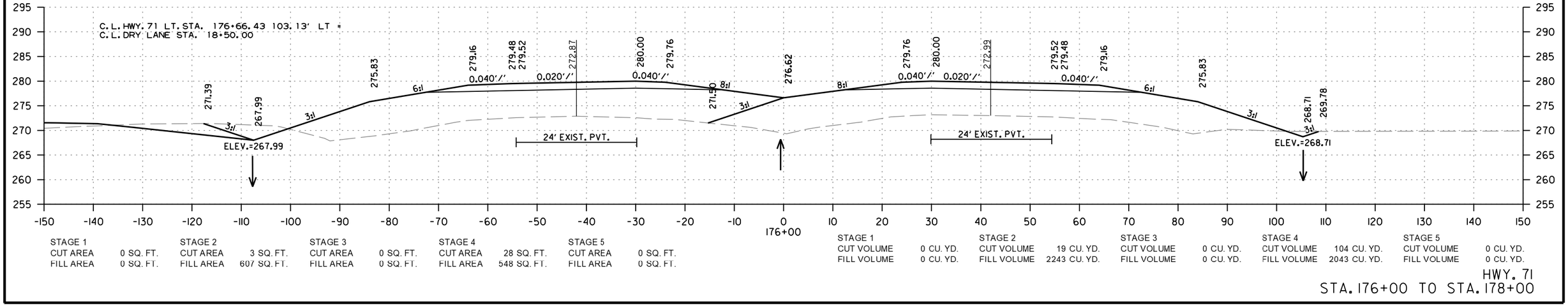
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	2 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	16 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	563 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	537 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	9 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	69 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2150 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1993 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	21 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	598 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	539 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	11 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	91 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2231 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2013 CU. YD.	FILL VOLUME	0 CU. YD.



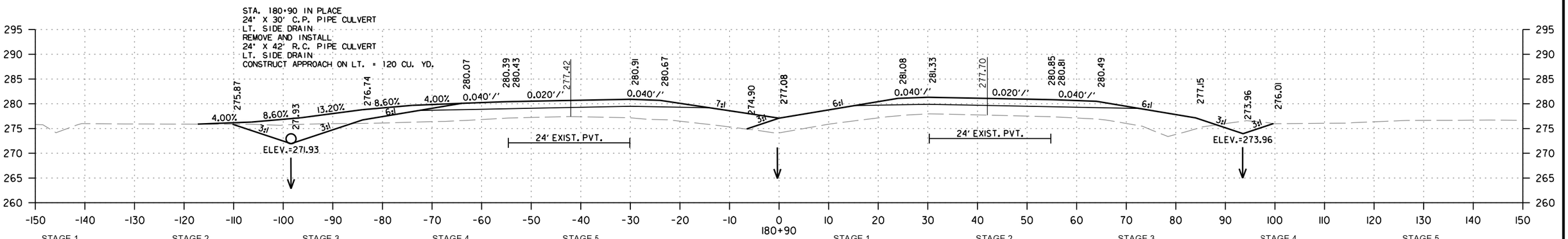
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	3 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	28 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	607 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	548 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	104 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	2243 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	2043 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 176+00 TO STA. 178+00

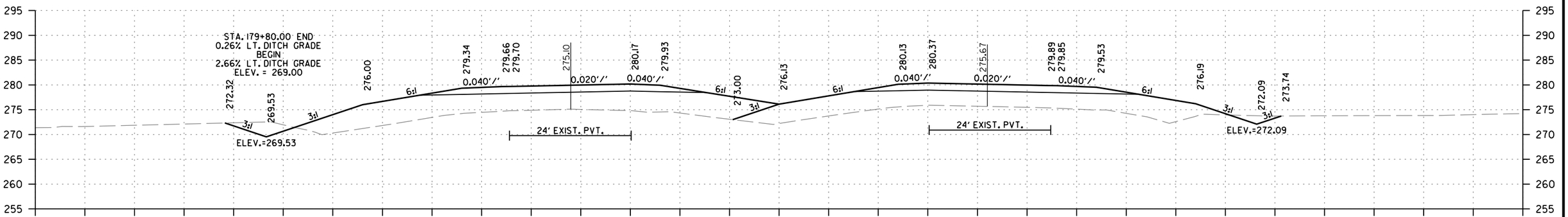
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	175	183
		CROSS SECTIONS				



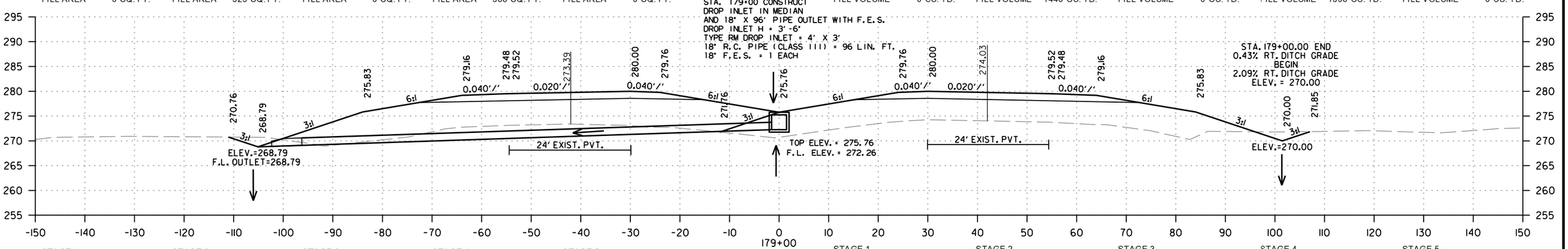
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	15 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	46 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	231 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	185 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	40 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	113 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	923 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	922 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	22 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	323 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	368 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	35 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	59 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1448 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1596 CU. YD.	FILL VOLUME	0 CU. YD.



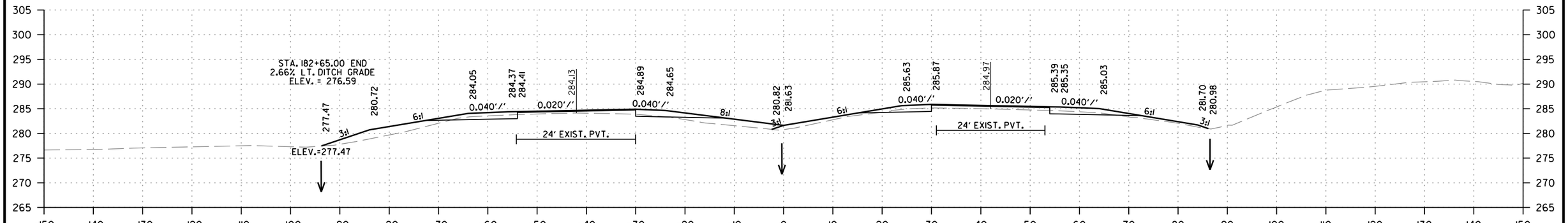
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	10 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	10 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	459 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	494 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	22 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	48 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	1893 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	1909 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 179+00 TO STA. 180+90

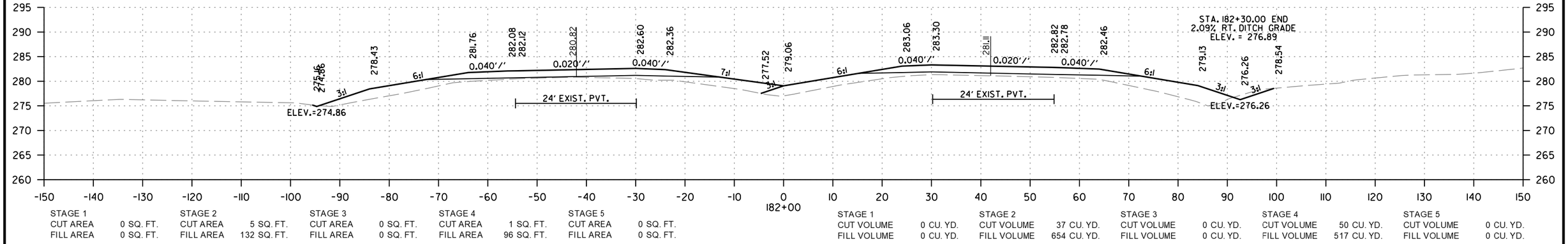
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	176	183
		CROSS SECTIONS				



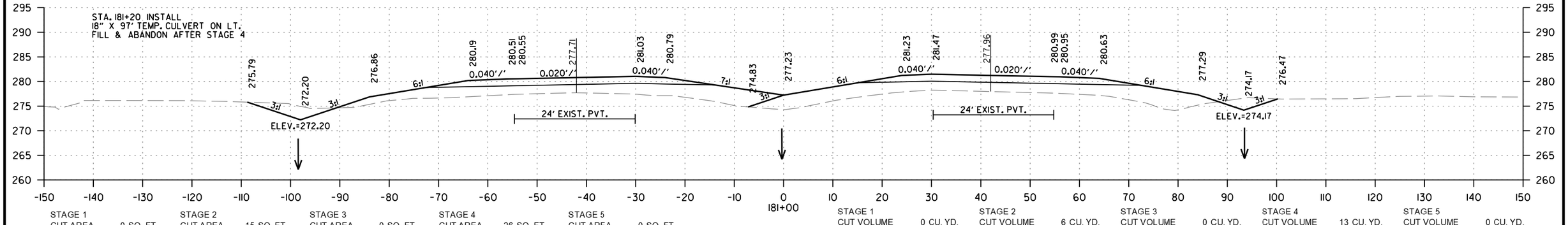
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	11 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	9 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	19 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	54 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	30 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	19 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	280 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	278 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	5 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	1 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	132 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	96 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	37 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	50 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	654 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	517 CU. YD.	FILL VOLUME	0 CU. YD.



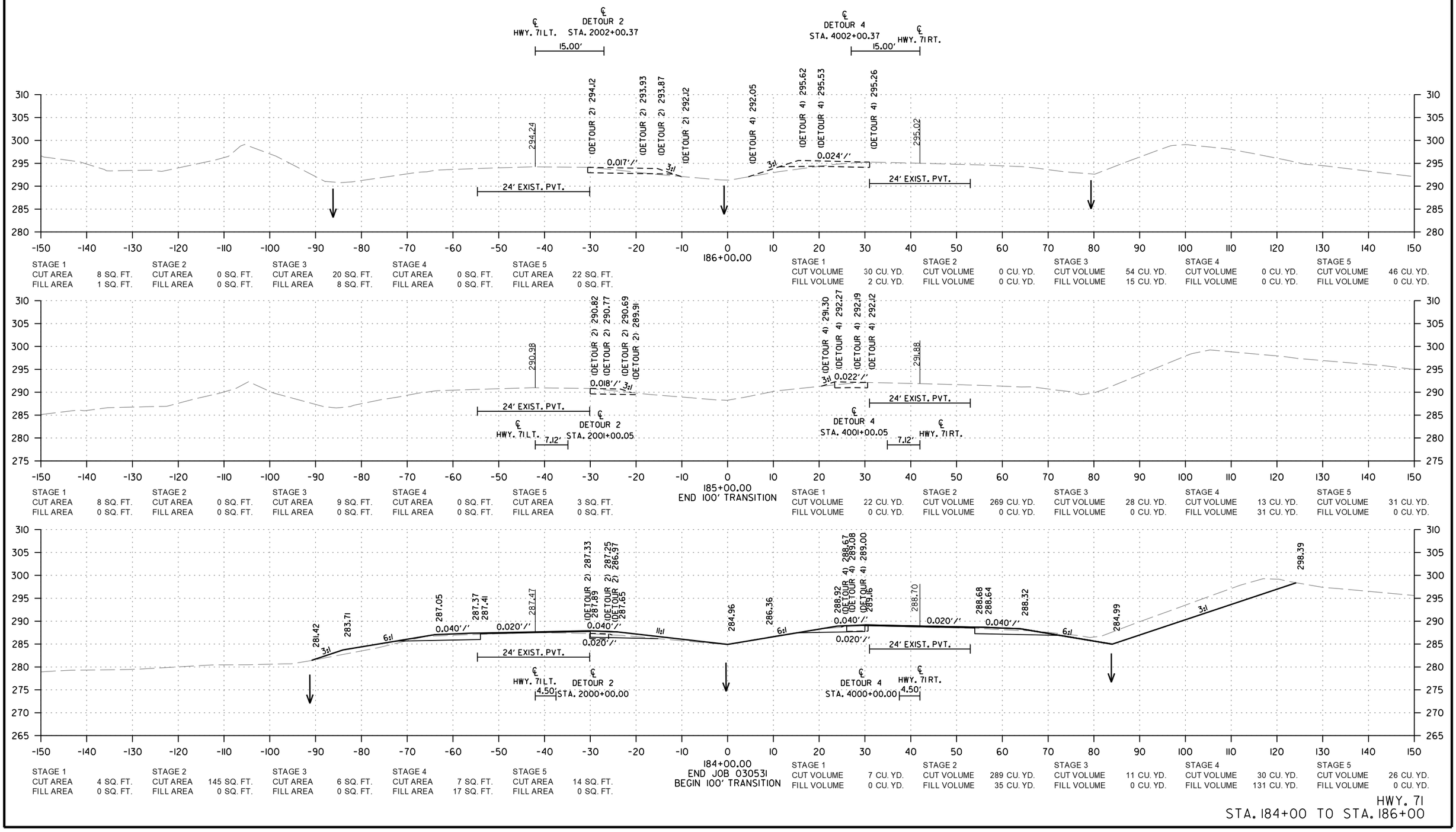
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	15 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	26 SQ. FT.	CUT AREA	0 SQ. FT.
FILL AREA	0 SQ. FT.	FILL AREA	221 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	183 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	0 CU. YD.	CUT VOLUME	6 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	13 CU. YD.	CUT VOLUME	0 CU. YD.
FILL VOLUME	0 CU. YD.	FILL VOLUME	84 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	68 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 181+00 TO STA. 183+00

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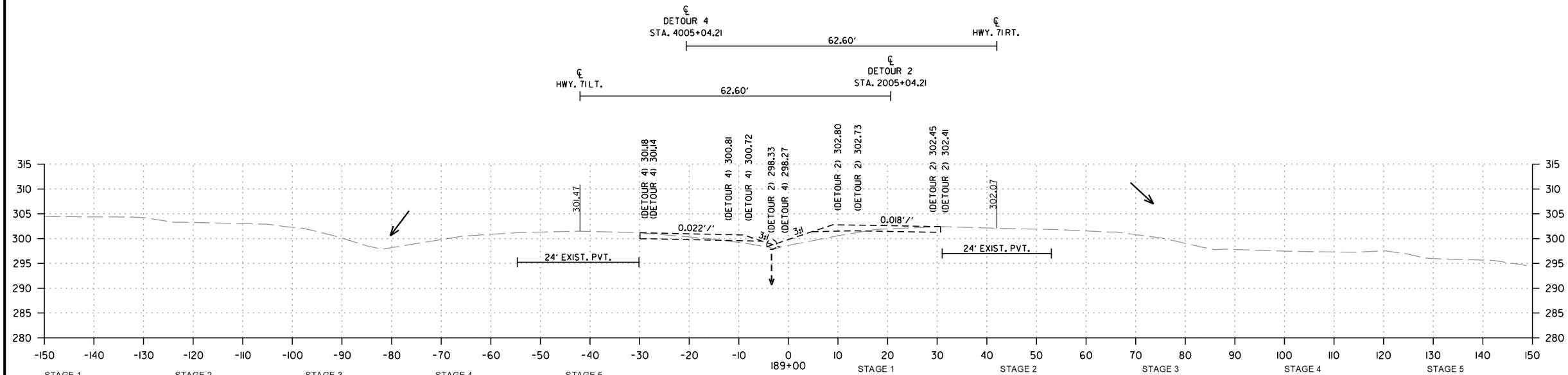
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	177	183
		CROSS SECTIONS				



HWY. 71
STA. 184+00 TO STA. 186+00

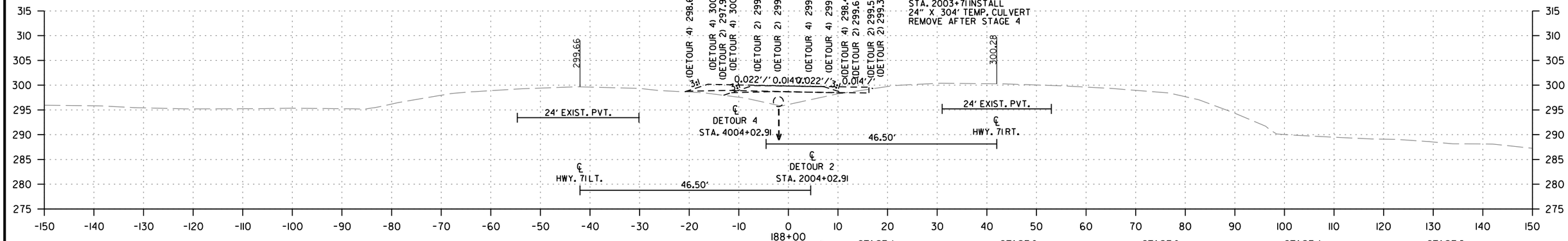
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	178	183
		CROSS SECTIONS				



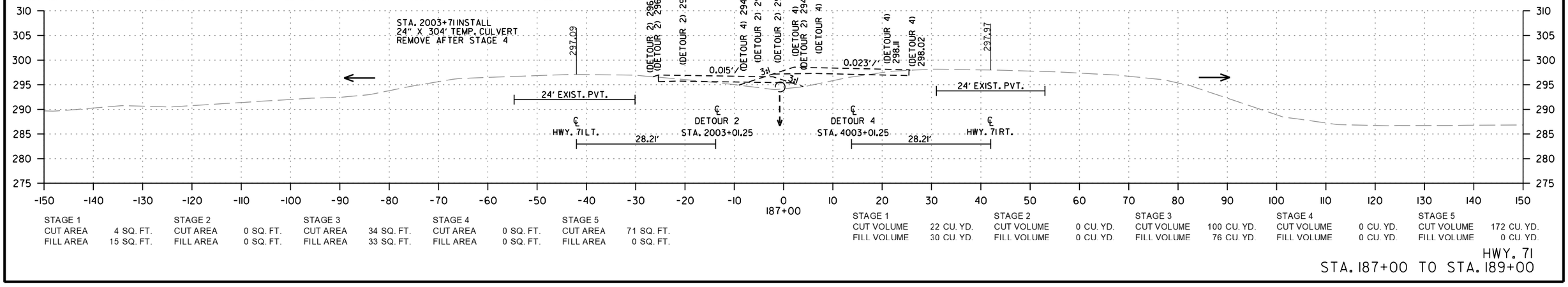
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	10 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	48 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	22 SQ. FT.
FILL AREA	21 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	5 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	19 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	146 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	180 CU. YD.
FILL VOLUME	106 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	22 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	0 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	31 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	75 SQ. FT.
FILL AREA	36 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	7 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	7 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	120 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	270 CU. YD.
FILL VOLUME	94 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	74 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.



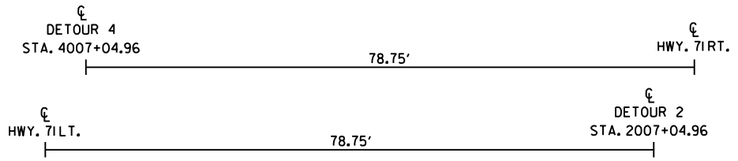
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT AREA	4 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	34 SQ. FT.	CUT AREA	0 SQ. FT.	CUT AREA	71 SQ. FT.
FILL AREA	15 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	33 SQ. FT.	FILL AREA	0 SQ. FT.	FILL AREA	0 SQ. FT.

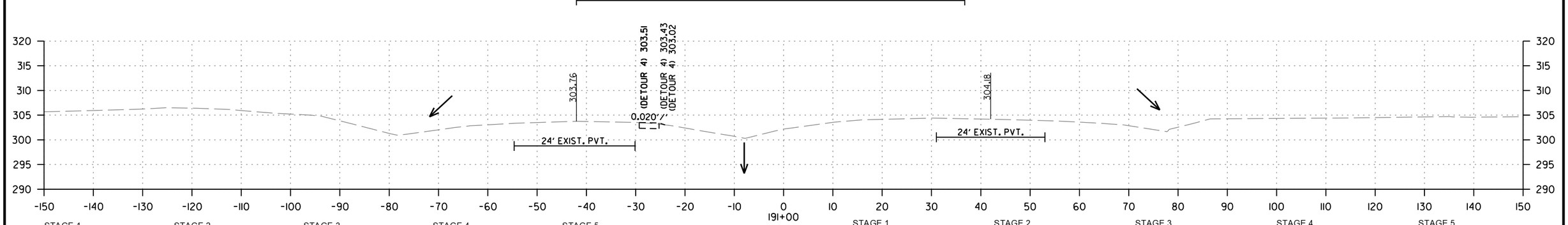
STAGE 1		STAGE 2		STAGE 3		STAGE 4		STAGE 5	
CUT VOLUME	22 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	100 CU. YD.	CUT VOLUME	0 CU. YD.	CUT VOLUME	172 CU. YD.
FILL VOLUME	30 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	76 CU. YD.	FILL VOLUME	0 CU. YD.	FILL VOLUME	0 CU. YD.

HWY. 71
STA. 187+00 TO STA. 189+00

MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	179	183
		CROSS SECTIONS				

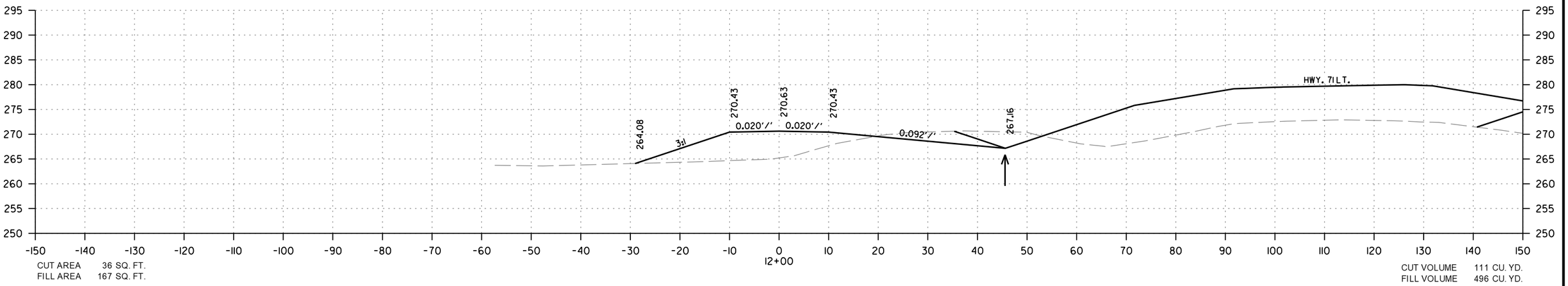




HWY. 71
STA. 190+00 TO STA. 192+00

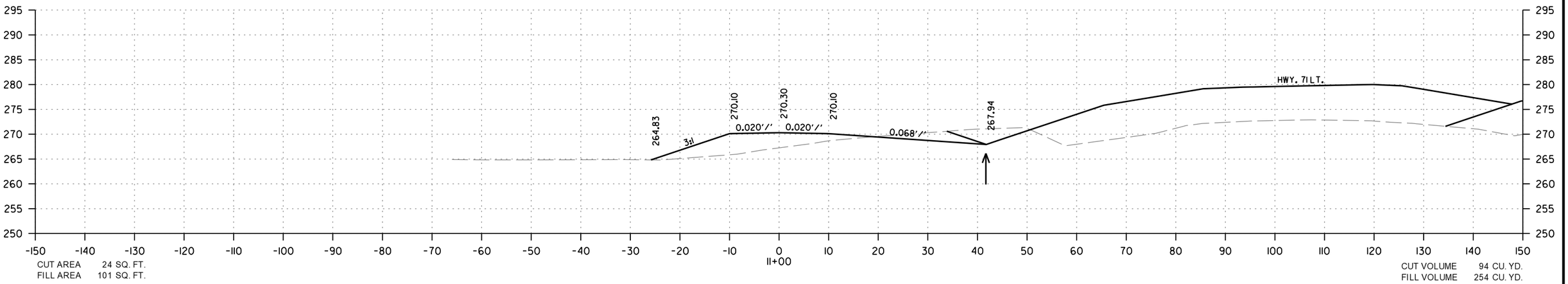
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	180	183
		CROSS SECTIONS				



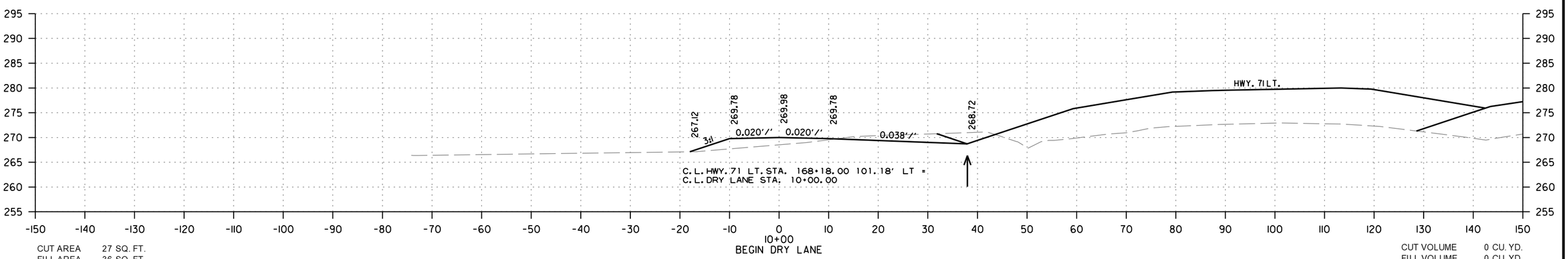
CUT AREA 36 SQ. FT.
FILL AREA 167 SQ. FT.

CUT VOLUME 111 CU. YD.
FILL VOLUME 496 CU. YD.



CUT AREA 24 SQ. FT.
FILL AREA 101 SQ. FT.

CUT VOLUME 94 CU. YD.
FILL VOLUME 254 CU. YD.



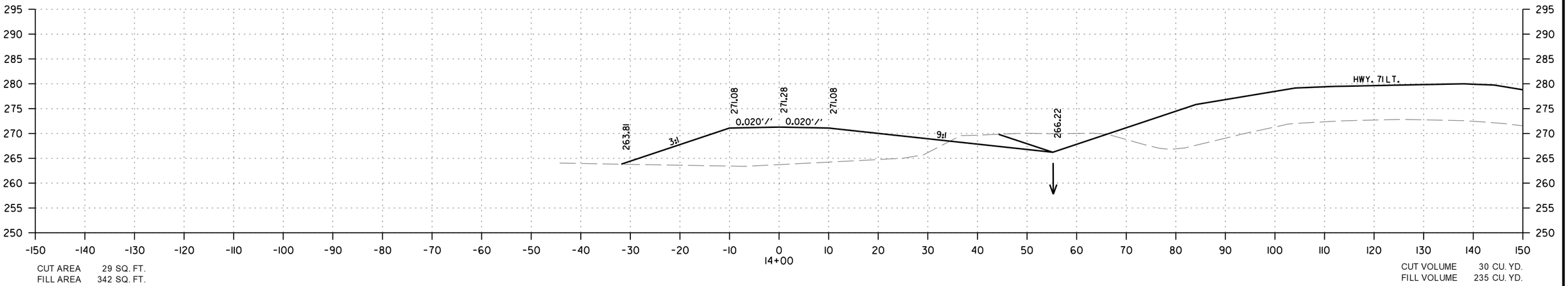
CUT AREA 27 SQ. FT.
FILL AREA 36 SQ. FT.

CUT VOLUME 0 CU. YD.
FILL VOLUME 0 CU. YD.

DRY LANE
STA. 10+00 TO STA. 12+00

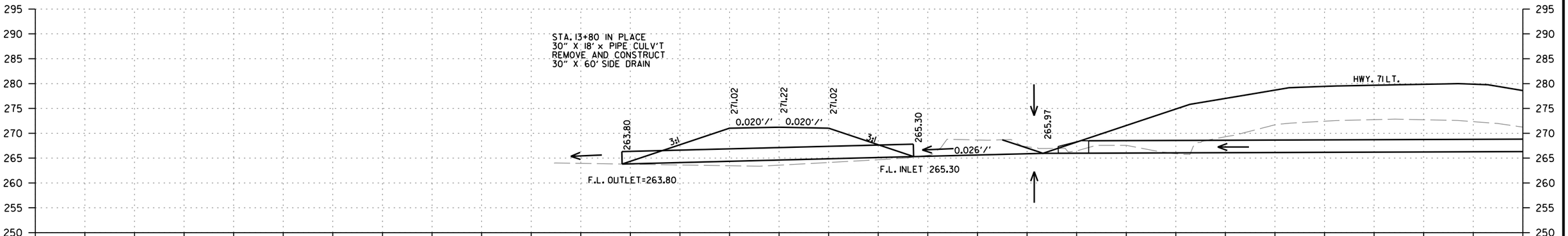
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	181	183
		CROSS SECTIONS				



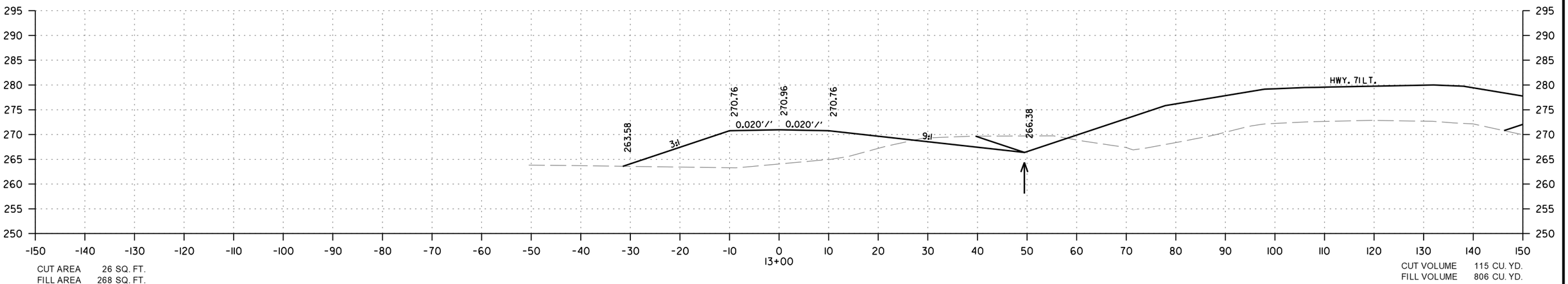
CUT AREA 29 SQ. FT.
FILL AREA 342 SQ. FT.

CUT VOLUME 30 CU. YD.
FILL VOLUME 235 CU. YD.



CUT AREA 51 SQ. FT.
FILL AREA 292 SQ. FT.

CUT VOLUME 114 CU. YD.
FILL VOLUME 830 CU. YD.



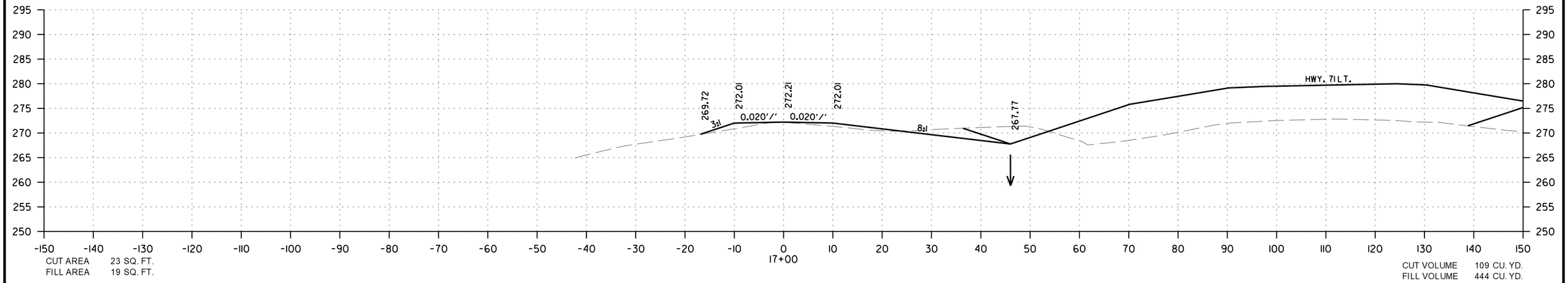
CUT AREA 26 SQ. FT.
FILL AREA 268 SQ. FT.

CUT VOLUME 115 CU. YD.
FILL VOLUME 806 CU. YD.

DRY LANE
STA. 13+00 TO STA. 14+00

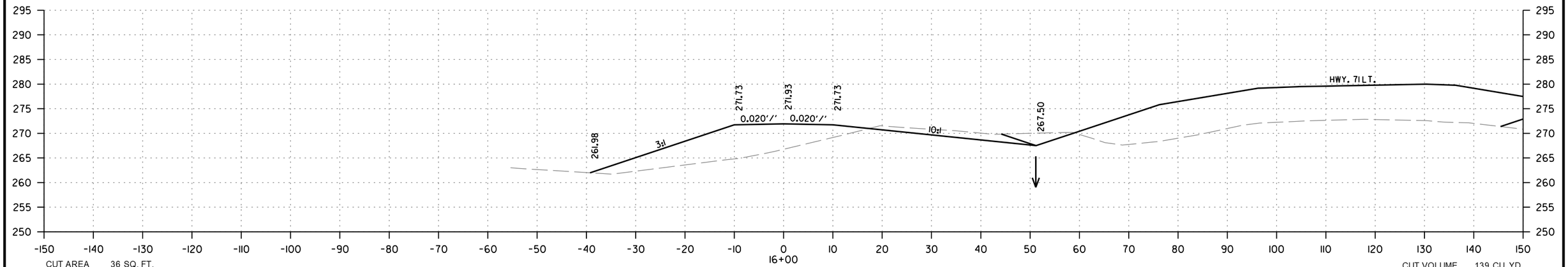
MM41715 6/15/2026
R030531.DGN

DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	182	183
		CROSS SECTIONS				



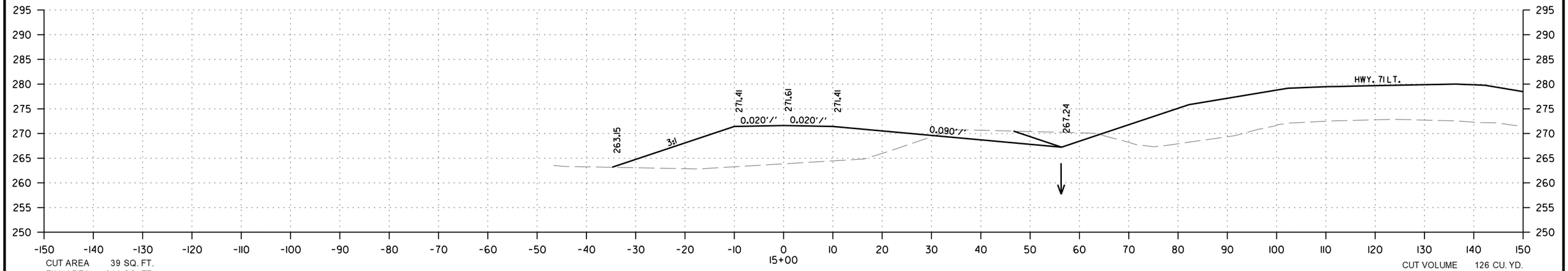
CUT AREA 23 SQ. FT.
FILL AREA 19 SQ. FT.

CUT VOLUME 109 CU. YD.
FILL VOLUME 444 CU. YD.



CUT AREA 36 SQ. FT.
FILL AREA 221 SQ. FT.

CUT VOLUME 139 CU. YD.
FILL VOLUME 1046 CU. YD.



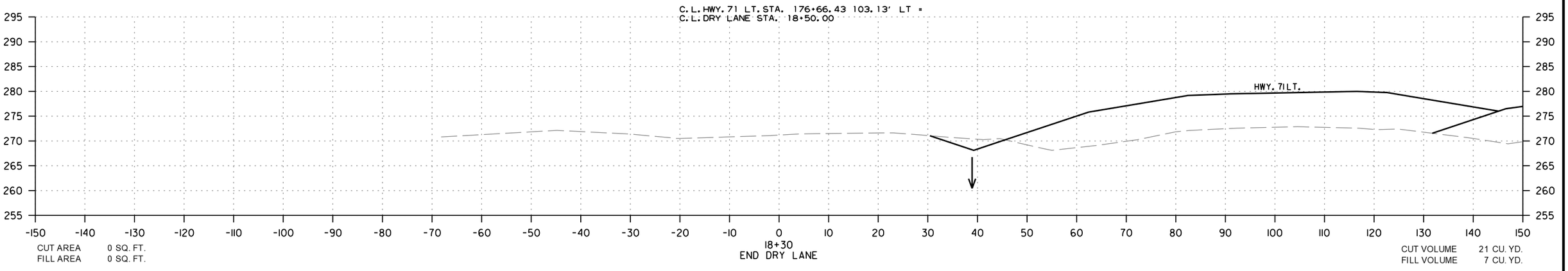
CUT AREA 39 SQ. FT.
FILL AREA 344 SQ. FT.

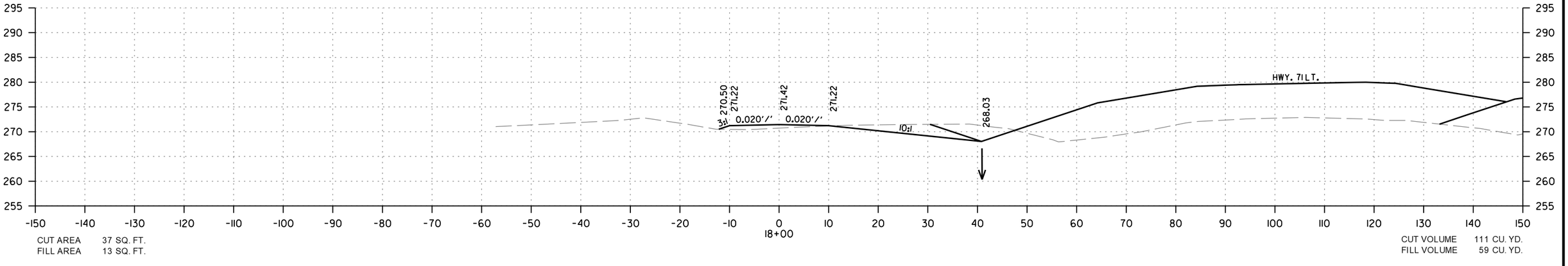
CUT VOLUME 126 CU. YD.
FILL VOLUME 1270 CU. YD.

DRY LANE
STA. 15+00 TO STA. 17+00

MM41715 6/15/2026
R030531.DGN

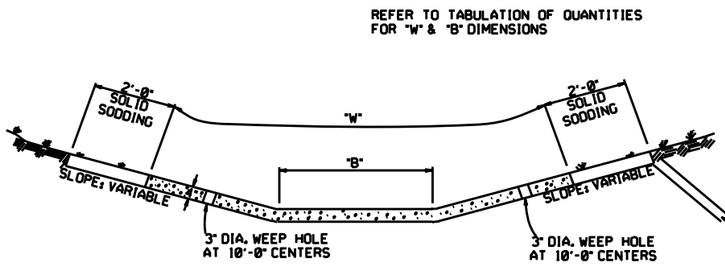
DATE REVISED	DATE REVISED	FED.RD. DIST.NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	030531	183	183
		CROSS SECTIONS				





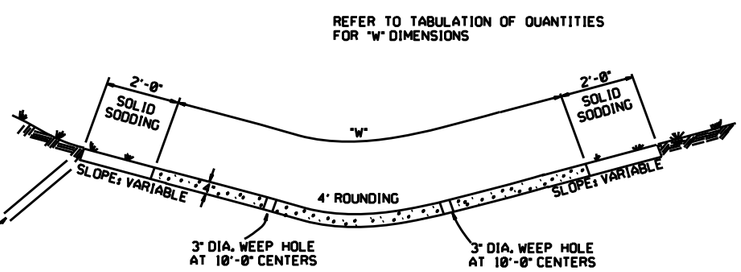
DRY LANE
STA. 18+00 TO STA. 18+30

MM41715 6/15/2026
R030531.DGN



TYPE A

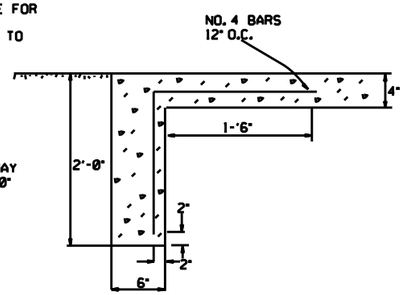
EXCAVATE TO NEAT LINES TO CONSTRUCT DITCH PAVING AND SOLID SODDING.



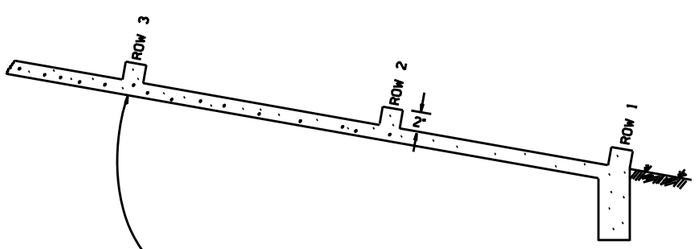
TYPE B

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

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

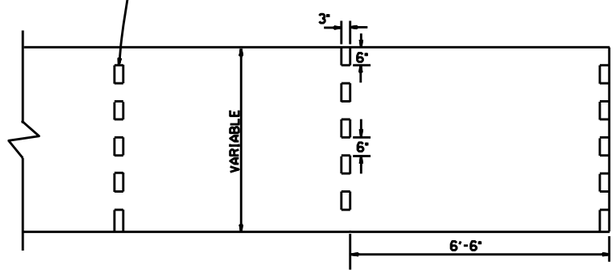


TOE WALL DETAIL FOR CONCRETE DITCH PAVING



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED

ENERGY DISSIPATORS 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)

GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.

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

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

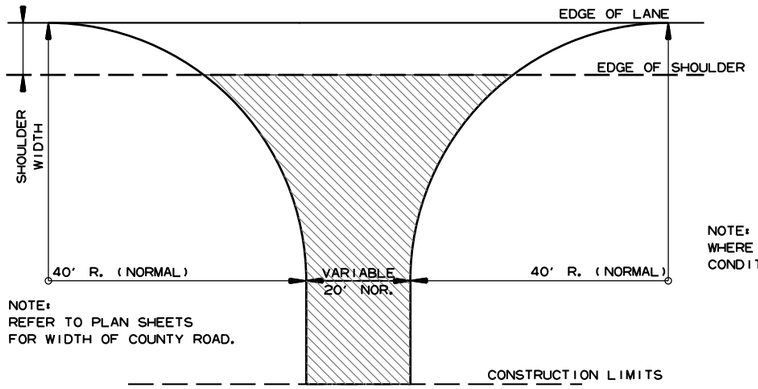
1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45° INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.

DATE	REVISION	DATE FILM'D
12-8-16	CORRECTED ENERGY DISSIPATOR DRAWING AND NOTE	
11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	653-7-15-88
4-3-87	REVISED ENERGY DISSIPATOR	671-4-3-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	532-1-9-87
11-3-86	ADDED NOTE TO ENERGY DISS.	599-12-1-86
11-1-84	ENERGY DISSIPATOR DETAILS ADDED	508-11-1-84
11-1-84	EXCAVATION DETAILS ADDED TYPED A & B	
10-2-72	REVISED AND REDRAWN	508-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

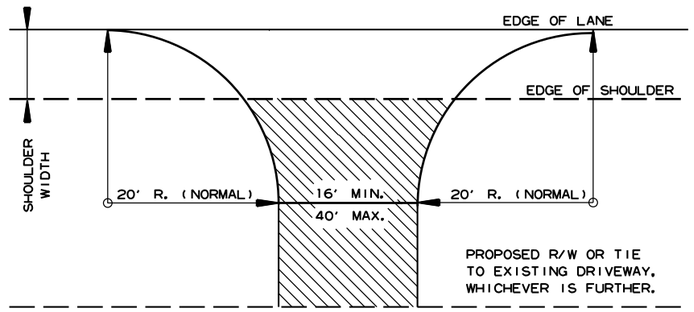


NOTE:
REFER TO PLAN SHEETS
FOR WIDTH OF COUNTY ROAD.

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, UNLESS OTHERWISE
SPECIFIED IN PLANS.

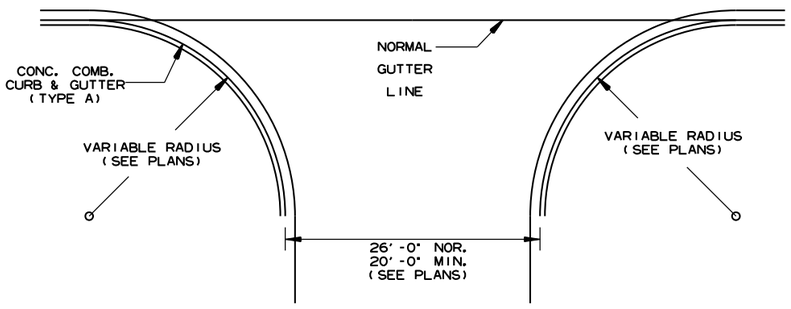
DETAIL FOR COUNTY ROAD TURNOUTS OPEN SHOULDER SECTION



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

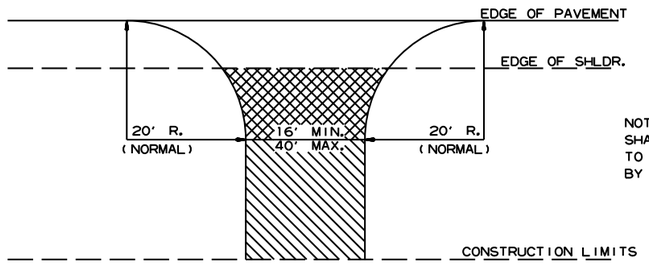
ACHM SURFACE COURSE (1/2")
(220 LBS. PER SQ. YD.) AND
AGGREGATE BASE COURSE (CLASS 7)
7" COMP. DEPTH IF ASPHALT OR
GRAVEL DRIVE EXISTING; OR 6"
CONCRETE IF CONCRETE DRIVE
EXISTING.

DETAIL FOR DRIVEWAY TURNOUTS OPEN SHOULDER SECTION (ARTERIALS)



NOTE:
PAVEMENT STRUCTURE FOR STATE HIGHWAYS, CITY STREETS,
& COUNTY ROADS TO BE SAME AS MAIN LANES.

DETAIL OF TURNOUTS, ASPHALT STREETS, COUNTY ROADS & STATE HIGHWAYS CURB & GUTTER SECTION



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

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

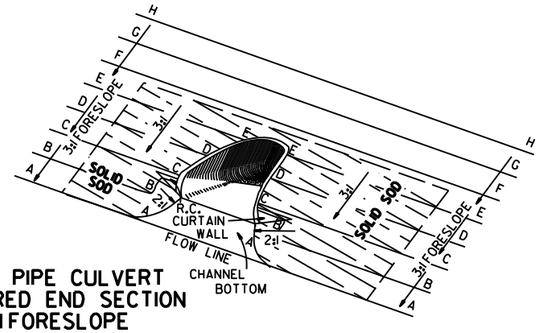
DETAIL FOR DRIVEWAY TURNOUTS (COLLECTORS)

DATE REV	DATE FILMED	DESCRIPTION
5-19-22		ISSUED

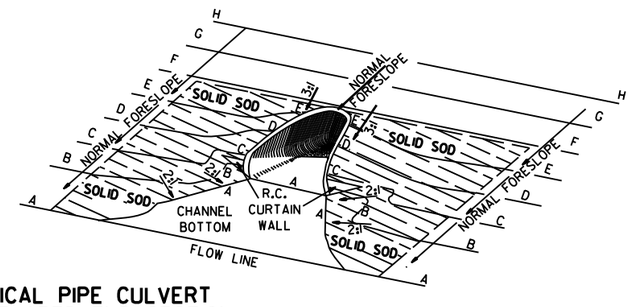
ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF DRIVEWAYS & STREET TURNOUTS

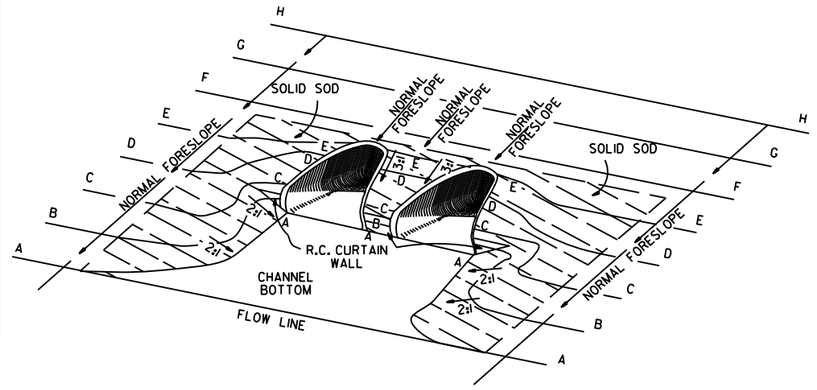
STANDARD DRAWING DR-2



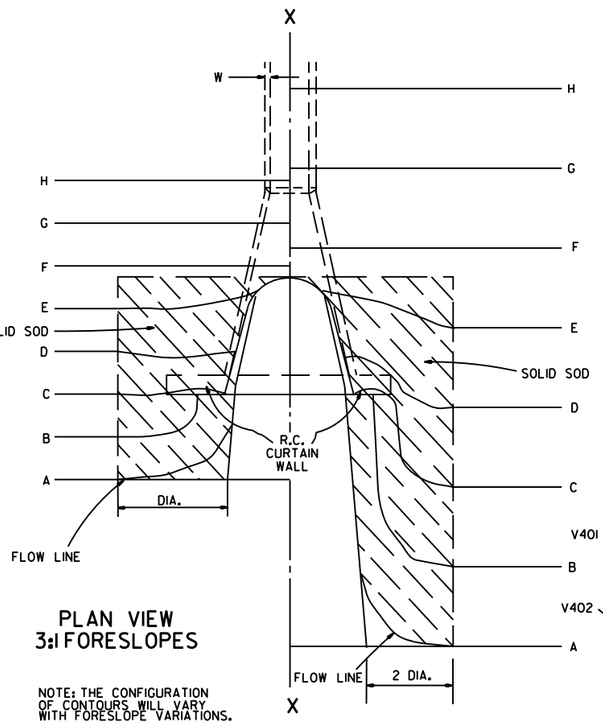
TYPICAL PIPE CULVERT
WITH FLARED END SECTION
& 3:1 FORESLOPE



TYPICAL PIPE CULVERT
WITH FLARED END SECTION
& FLATTENED ADJACENT SLOPES



TYPICAL MULTIPLE PIPE CULVERT
WITH FLARED END SECTIONS
& FLATTENED ADJACENT SLOPES



PLAN VIEW
3:1 FORESLOPES

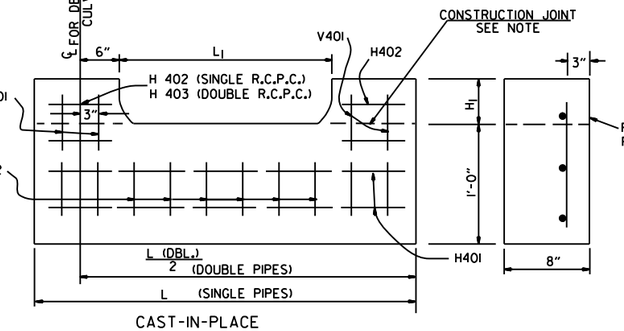
NOTE: THE CONFIGURATION OF CONTOURS WILL VARY WITH FORESLOPE VARIATIONS.

PLAN VIEW
FLATTENED FORESLOPES

R.C. CURTAIN WALL
DIMENSIONS & QUANTITIES

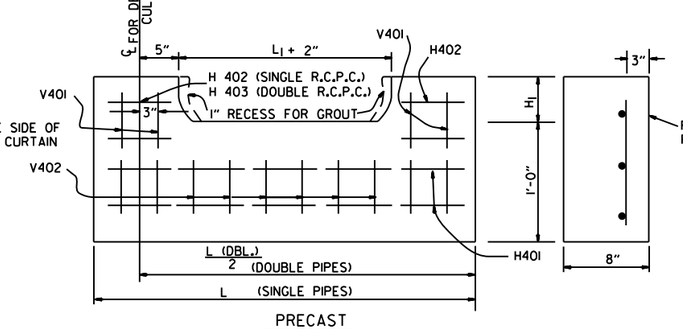
PIPE DIA.	H_1	L_1	L	L (DBL.) / 2	SINGLE R.C.P.C. CONC.	SINGLE R.C.P.C. REINF. STEEL	DOUBLE R.C.P.C. CONC.	DOUBLE R.C.P.C. REINF. STEEL
					CU. YDS.	LBS.	CU. YDS.	LBS.
18"	1'-11½"	3'-5"	8'-0"	6'-3"	0.31	27.7	0.45	39.5
24"	1'-0½"	4'-6"	9'-6"	7'-6"	0.37	33.4	0.53	48.0
30"	1'-3½"	5'-7"	11'-0"	9'-0"	0.45	39.0	0.67	59.0
36"	1'-7"	6'-8"	13'-0"	10'-6"	0.58	52.6	0.83	73.9
42"	2'-1½"	7'-3"	15'-6"	12'-0"	0.82	77.1	1.10	100.7
48"	2'-5"	7'-10"	17'-0"	13'-0"	0.98	94.9	1.27	120.4
54"	2'-9½"	8'-5"	18'-6"	14'-0"	1.16	115.8	1.47	143.7
60"	3'-4"	9'-0"	20'-6"	15'-6"	1.47	149.7	1.84	180.3
72"	4'-5"	10'-2"	25'-6"	18'-6"	2.31	232.6	2.73	271.0

NOTE: QUANTITIES SHOWN ARE FOR ONE (1) CURTAIN WALL.



CAST-IN-PLACE

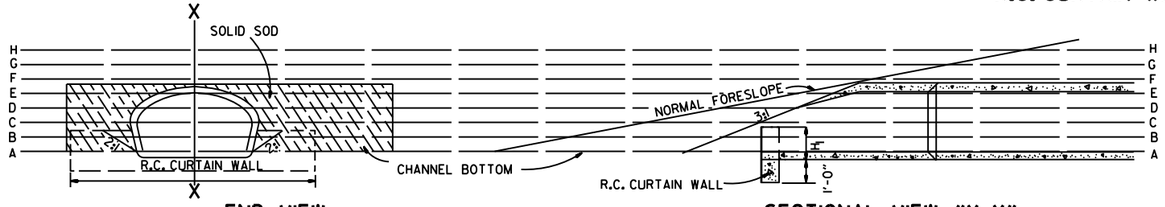
NOTE: THE PORTION OF THE R.C. CURTAIN WALL BENEATH THE FLARED END SECTION (LOWER 1'-0") SHALL BE PLACED MONOLITHICALLY. THE FLARED END SECTION SHALL THEN BE SET IN PLACE & THE REMAINING PORTIONS OF THE R.C. CURTAIN WALL PLACED.



PRECAST

NOTE: THE PRECAST CURTAIN WALL WILL BE SET AND BACKFILLED WITH COMPACTED MATERIAL. THE FLARED END SECTION SHALL THEN BE SET IN PLACE AND THE 1" RECESS FILLED WITH GROUT. WHERE "L" EXCEEDS 11' THE CURTAIN WALL MAY BE CAST IN TWO (2) OR MORE SECTIONS. THE METHOD OF JOINING THE SECTIONS FOR INSTALLATION SHALL BE APPROVED BY THE ENGINEER.

R.C. CURTAIN WALL DETAILS



END VIEW

SECTIONAL VIEW "X-X"

REINFORCING STEEL SCHEDULE

PIPE DIA.	SINGLE R.C. PIPE CULVERT H401 L	H401 NO.	H402 L	H402 NO.	V401 L	V401 NO.	V402 L	V402 NO.	DOUBLE R.C. PIPE CULVERT H401 L	H401 NO.	H402 L	H402 NO.	H403 L	H403 NO.	V401 L	V401 NO.	V402 L	V402 NO.
18"	7'-8"	2	1'-11½"	4	1'-7½"	8	8"	8	12'-2"	2	1'-11½"	4	8"	2	1'-7½"	10	8"	14
24"	9'-2"	2	2'-2"	4	1'-8½"	10	8"	9	14'-8"	2	2'-2"	4	8"	2	1'-8½"	12	8"	18
30"	10'-8"	2	2'-4½"	4	1'-11½"	10	8"	12	17'-8"	2	2'-4½"	4	8"	2	1'-11½"	14	8"	22
36"	12'-8"	2	2'-10"	6	2'-3"	12	8"	14	20'-8"	2	2'-10"	6	8"	3	2'-3"	14	8"	28
42"	15'-2"	2	3'-9½"	8	2'-9½"	16	8"	15	23'-8"	2	3'-9½"	8	8"	4	2'-9½"	18	8"	30
48"	16'-8"	2	4'-3"	10	3'-1"	18	8"	16	25'-8"	2	4'-3"	10	8"	5	3'-1"	20	8"	32
54"	18'-2"	2	4'-8½"	12	3'-5½"	20	8"	17	27'-8"	2	4'-9"	12	8"	6	3'-5½"	22	8"	34
60"	20'-2"	2	5'-5"	14	4'-0"	24	8"	18	30'-8"	2	5'-5"	14	8"	7	4'-0"	26	8"	36
72"	25'-2"	2	7'-4"	18	5'-1"	30	8"	20	36'-8"	2	7'-4"	18	8"	9	5'-1"	33	8"	40

ALL REINFORCING STEEL #4 BARS @ 6" O.C.

SOLID SODDING

PIPE DIA.	SINGLE R.C.P.C. 3:1	4:1	6:1	DOUBLE R.C.P.C. 3:1	4:1	6:1
	SQ. YDS.			SQ. YDS.		
18"	5	7	12	6	8	13
24"	8	12	19	9	13	20
30"	13	18	29	14	19	30
36"	17	26	41	18	28	43
42"	23	35	55	25	37	57
48"	29	46	68	31	48	70
54"	35	57	85	37	59	87
60"	45	62	104	48	65	107
72"	64	92	156	67	95	159

NOTE: QUANTITIES SHOWN ABOVE ARE FOR ONE (1) END OF F.E.S.

GENERAL NOTES

1. A CAST-IN-PLACE OR PRECAST CURTAIN WALL MAY BE USED. PAYMENT FOR THE CURTAIN WALL SHALL BE CONSIDERED TO BE INCLUDED IN THE UNIT PRICE BID EACH FOR FLARED END SECTIONS OF THE SEVERAL SIZES, WHICH PRICE SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS INCLUDING REINFORCING STEEL AND CONCRETE: FOR FORMS, MIXING AND PLACING; FOR EXCAVATION AND BACKFILL, AND FOR ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.
2. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾".
3. CONCRETE FOR CURTAIN WALL SHALL MEET THE REQUIREMENTS FOR CLASS A OR S CONCRETE AS PROVIDED IN SECTION 802 OF THE STANDARD SPECIFICATIONS OR FOR PAVING CONCRETE AS PROVIDED IN SECTION 501 OF THE STANDARD SPECIFICATIONS.
4. WELDED WIRE MESH 3 x 3 W10 x W10 MAY BE USED IN LIEU OF REINFORCING BARS.

DATE	REVISION	FILMED
10-18-96	ADDED NOTE TO SOLID SODDING	
10-12-95	CORRECTED SPELLING	
11- 3-94	ADDED GENERAL NOTE NO. 4	
8-15-91	REV. CURTAIN WALL QUANT. STEEL SCH. & SOLID SOD QUANT.	
3-2-81	ALLOW PRECAST IN 2 OR MORE PIECES CHAMFER EDGES	
5-15-80	ADDED PRECAST WALL & GENERAL NOTES	
10-2-72	REVISED AND REDRAWN	

ARKANSAS STATE HIGHWAY COMMISSION

FLARED END SECTION

STANDARD DRAWING FES-1

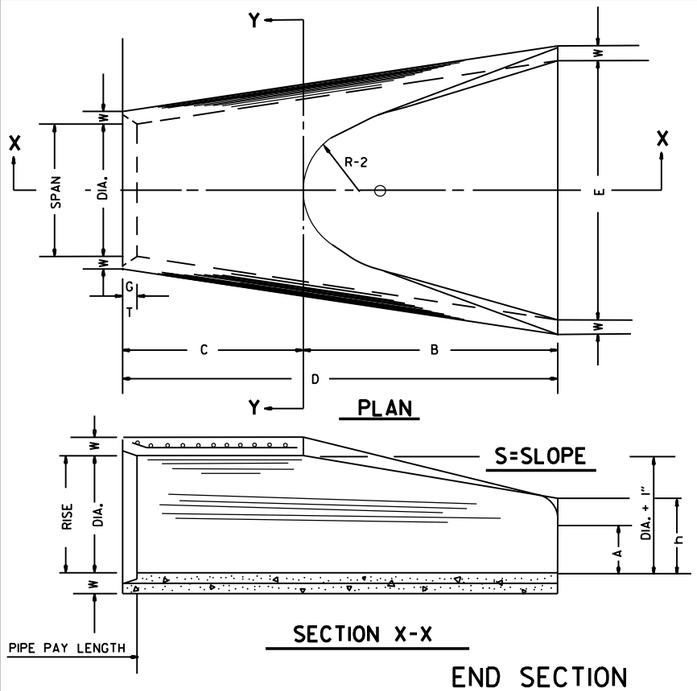
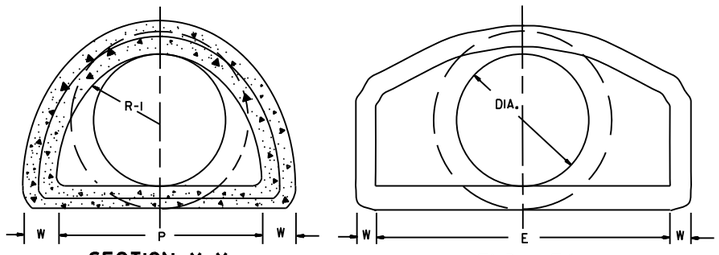


TABLE OF DIMENSIONS

DIA.	WALL	A	B	C	D	E	S	DIA. + 1"	P	R-1	R-2	G-T	WT.	h
18"	2½"	9"	2'-3"	3'-10"	6'-1"	3'-0"	3:1	19"	29"	15½"	12"	2"	1000	1'-0½"
24"	3"	9½"	3'-7½"	2'-6"	6'-1½"	4'-0"	3:1	25"	33 3/16"	16 15/16"	14"	2½"	1600	1'-1½"
30"	3½"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3:1	31"	37"	18½"	15"	3¼"	1940	1'-4 5/8"
36"	4"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3:1	37"	47 13/16"	24 5/16"	20"	3½"	4100	1'-8"
42"	4½"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	3:1	43"	53⅞"	27½"	22"	3½"	5380	2'-2½"
48"	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	3:1	49"	56½"	28½"	22"	3½"	6550	2'-6"
54"	5½"	2'-4"	6'-6"	1'-10"	8'-4"	7'-6"	3:1	55"	65½"	33⅛"	24"	4"	8750	2'-10½"
60"	6"	2'-10"	6'-6"	1'-10"	8'-4"	8'-0"	3:1	61"	72½"	36 11/16"	24"	4"	9270	3'-5"
72"	7"	3'-10"	6'-6"	1'-10"	8'-4"	9'-0"	3:1	73"	77 13/16"	38 15/16"	24"	5"	13250	4'-6"

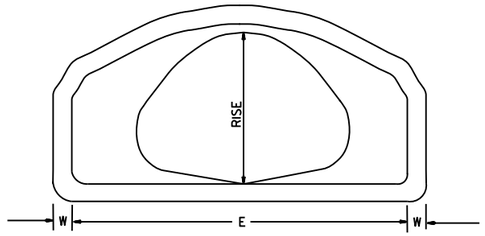


NOTE: TONGUE END ON UPSTREAM SECTION
GROOVE END ON DOWNSTREAM SECTION

ARCH PIPE

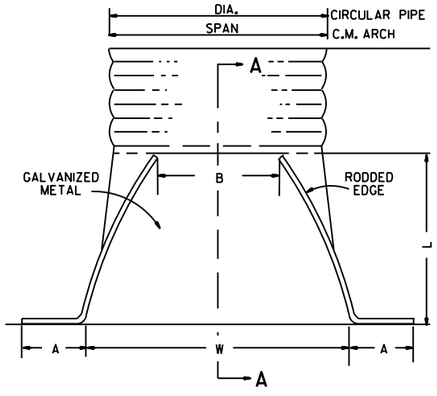
EQUIV. DIA.	• SPAN AASHTO M 206	• SPAN AHD NOMINAL	• RISE AASHTO M 206	• RISE AHD NOMINAL	W	A	B	C	D	E	P	R2	G-T	S
	INCHES													
15	18	18	11	11	2"	4"	2'-0"	4'-0"	6'-0"	3'-0"	29"	12"	1½"	2½:1
18	22	22	13½	14	2½"	5"	2'-0"	4'-1"	6'-1"	3'-6"	32⅛"	13"	2½"	2½:1
21	26	26	15½	16	2¾"	7"	2'-3"	3'-10"	6'-1"	4'-0"	34⅛"	14"	2½"	2½:1
24	28½	29	18	18	3"	9"	2'-3"	3'-10"	6'-1"	5'-0"	36 11/16"	15"	2½"	2½:1
30	36¼	36	22½	23	3½"	10"	3'-1"	3'-0½"	6'-1½"	6'-0"	47 11/16"	20"	3"	2½:1
36	43¾	44	26⅜	27	4"	10½"	4'-0"	2'-11½"	6'-1½"	6'-6"	54 5/16"	22"	3½"	2½:1
42	51⅛	51	31 5/16	31	4½"	11½"	4'-7"	1-10¼"	6'-5¼"	7'-2"	59½"	23"	3¾"	2½:1
48	58½	59	36	36	5"	1'-3"	5'-3"	2'-10¾"	8'-1¾"	7'-10"	70 5/16"	24"	4¼"	2½:1
54	65	65	40	40	5½"	1'-7"	5'-3"	2'-11"	8'-2"	8'-6"	72 1/16"	24"	4¾"	2¼:1
60	73	73	45	45	6"	1'-10"	5'-6"	2'-8"	8'-2"	9'-0"	77 1/16"	24"	5"	2¼:1

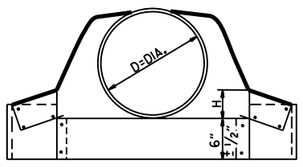
• THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PER CENT FROM THE VALUES SPECIFIED BY AASHTO M 206.



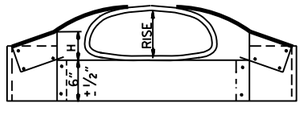
END VIEW
CONCRETE ARCH PIPE

END SECTION FOR REINFORCED CONCRETE PIPE CULVERTS





CIRCULAR PIPE



C.M. ARCH PIPE

CIRCULAR PIPE

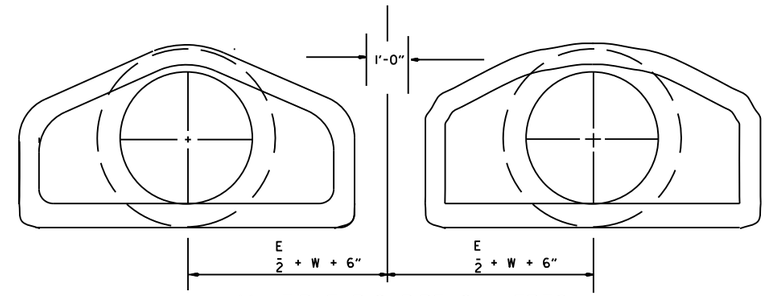
D. DIA.	GAUGE	A 1" ±	B. MAX.	H 1" ±	L 1½" ±	W 2" ±	S
		INCHES					
12	16	6	6	6	21	24	2½:1
15	16	7	8	6	26	30	2½:1
18	16	8	10	6	31	36	2½:1
21	16	9	12	6	36	42	2½:1
24	16	10	13	6	41	48	2½:1
30	14	12	16	8	51	60	2½:1
36	14	14	19	9	60	72	2½:1
42	12	16	22	11	69	84	2½:1
48	12	18	27	12	78	90	2½:1
54	12	18	30	12	84	102	2:1
60	12	18	33	12	87	114	1¾:1
66	12	18	36	12	87	120	1½:1
72	12	18	39	12	87	126	1 1/3:1

C.M. ARCH PIPE

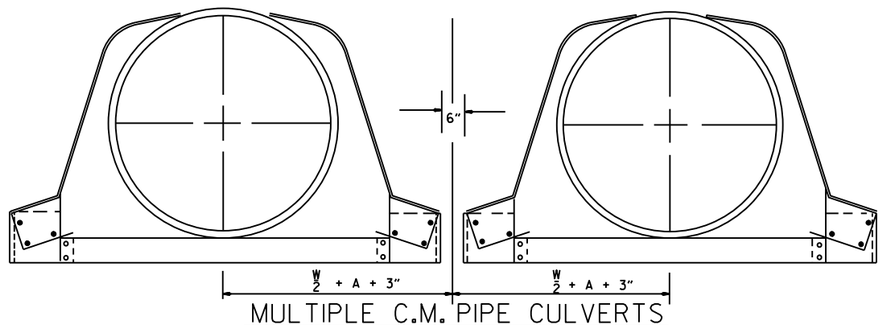
EQUIV. DIA.	SPAN	RISE	A 1" ±	B MAX.	H 1" ±	L 1½" ±	W 2" ±	S	GAUGE
	INCHES								
15"	17	13	7	9	6	19	30	2½:1	16
18"	21	15	7	10	6	23	36	2½:1	16
21"	24	18	8	12	6	28	42	2½:1	16
24"	28	20	9	14	6	32	48	2½:1	16
30"	35	24	10	16	6	39	60	2½:1	14
36"	42	29	12	18	8	46	75	2½:1	14
42"	49	33	13	21	9	53	85	2½:1	12
48"	57	38	18	26	12	63	90	2½:1	12
54"	64	43	18	30	12	70	102	2¼:1	12
60"	71	47	18	33	12	77	114	2¼:1	12

NOTE: ALTERNATE CONNECTIONS TO THE PIPE CULVERTS, IN ACCORDANCE WITH MANUFACTURER'S STANDARD PRACTICES, MAY BE MADE SUBJECT TO THE APPROVAL OF THE ENGINEER.

END SECTIONS FOR CORRUGATED METAL PIPE CULVERTS



MULTIPLE R.C. PIPE CULVERTS



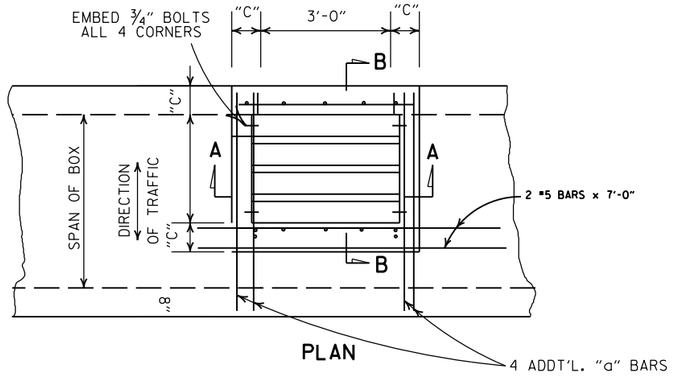
MULTIPLE C.M. PIPE CULVERTS

DATE	REVISION	FILMED
10-18-96	REVISED ASTM REF. TO AASHTO	
5-15-80	REVISED DISTANCE BETWEEN MULTIPLE R.C.P. F.E.S.	664-5-15-80
7-14-78	C.M. ARCH SIZES TO CONFORM WITH AASHTO SIZES	752-7-14-78
8-22-75	ADDED MULTIPLE PIPE CULVERTS	517-8-22-75
12-5-74	REMOVED NOTE RE REINF. FOR R.C. F.E.S.	500-12-5-74
5-24-73	CMP END SECTION, SHOW PIPE PAY LENGTH	627-5-24-73
10-2-72	REVISED AND REDRAWN	760-10-2-72

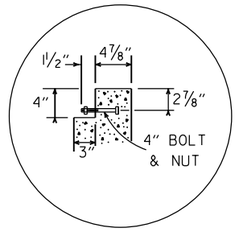
ARKANSAS STATE HIGHWAY COMMISSION

FLARED END SECTION

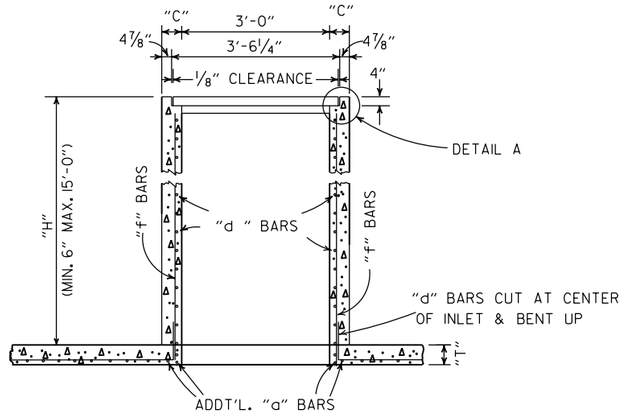
STANDARD DRAWING FES-2



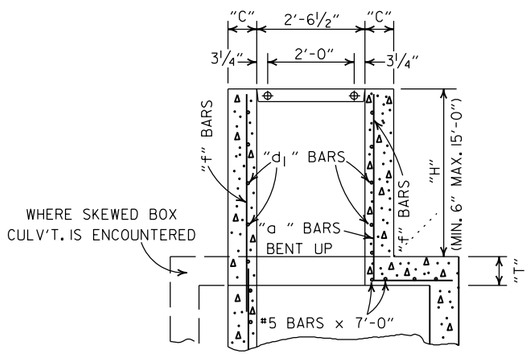
PLAN



DETAIL A



SECTION A-A

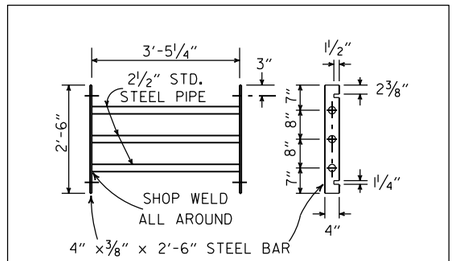


SECTION B-B

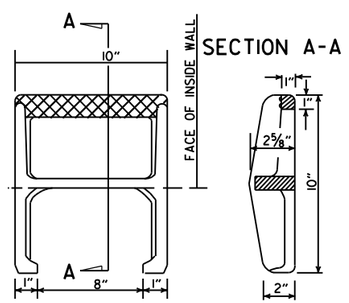
NOTE: ADDT'L.REINF. STEEL TO BE INCLUDED IN UNIT PRICE BID PER TYPE "TM" D.I.

DIMENSIONS & REINF. BARS FOR D.I. TO BE THE SAME AS THOSE SHOWN ON APPLICABLE STD. BARREL DRAWING FOR R.C. BOX CULVERTS.

DROP INLET TYPE "TM"
FOR REINFORCED CONC. BOX CULVERTS



GRATE DETAIL



APPROX. WEIGHT = 11 LBS. (CAST IRON)

PLAN

NOTE: THIS DETAIL IS TYPICAL. OTHERS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

DETAIL OF STEP FOR DROP INLET

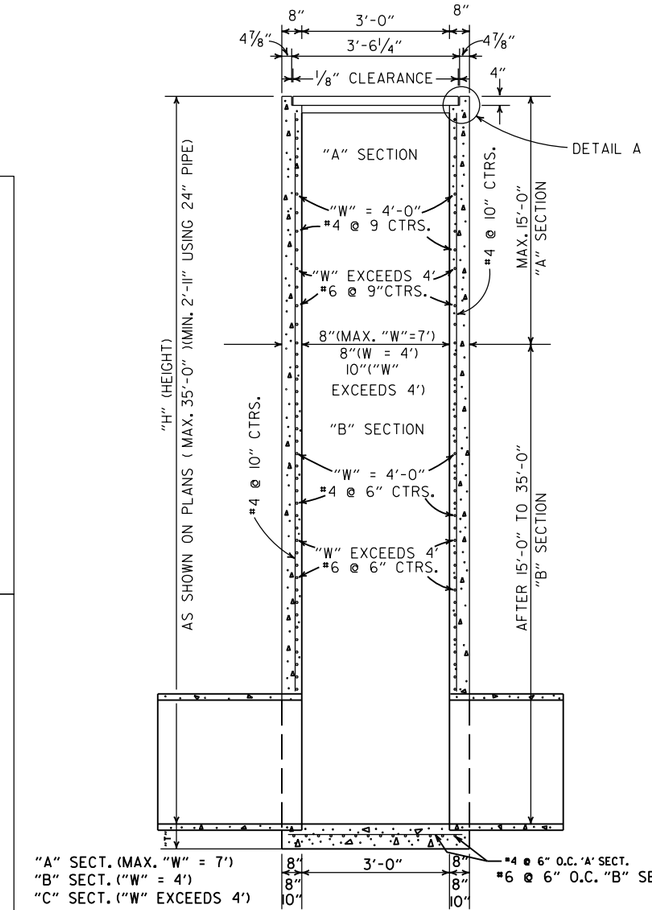
GENERAL NOTES:

1. STEEL PIPE FOR GRATES AND BOLTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 807. BOLTS SHALL CONFORM TO ONE OF THE FOLLOWING: ASTM A193, GRADE B8 CLASS 1 OR 2, ASTM A307 OR AASHTO M 164.
2. STEEL PIPE FOR GRATES SHALL BE "STANDARD WEIGHT" PIPE CONFORMING TO ASTM A53 NATIONAL STANDARD PIPE.
3. BOLTS, NUTS, WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 232 OR AASHTO M 298, CLASS 40 OR 50.
4. ALL EXPOSED CORNERS TO HAVE ¾" CHAMFER.
5. ALL #4 AND #5 REINFORCING BARS TO HAVE 1½" COVER. LARGER SIZES TO HAVE 2" COVER.
6. THE COMPLETE PIPE GRATE SHALL BE PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

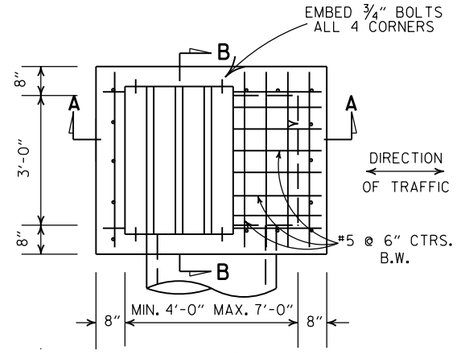
TABLE OF "W" DIMENSIONS

I.D. PIPE	SKEW OF CROSS DRAIN		
	STRAIGHT	30°	45°
	"W"	"W"	"W"
24"	4'-0"	4'-0"	4'-0"
30"	4'-0"	4'-0"	4'-5"
36"	4'-0"	4'-3"	5'-3"
42"	4'-3"	4'-11"	6'-1"
48"	4'-10"	5'-7"	6'-11"

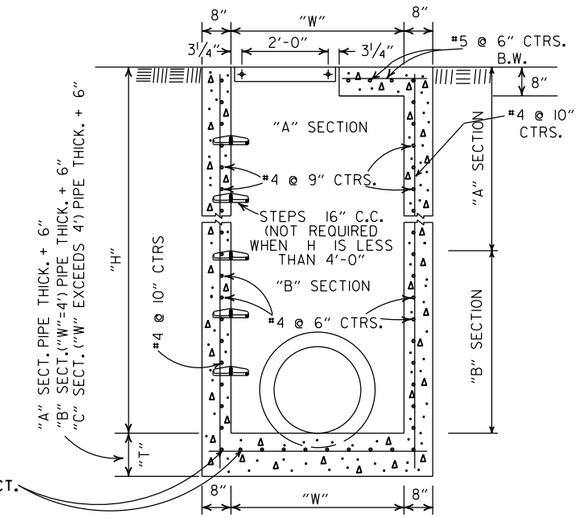
NOTE: DIMENSIONS SHOWN ABOVE ARE FOR PIPES INTERSECTING DROP INLET ON ONE SIDE ONLY. FOR SKEWED PIPES INTERSECTING BOTH SIDES OF DROP INLET, "W" WILL NEED TO BE INCREASED OR AXIS OF INTERSECTING PIPES WILL NEED TO BE SHIFTED.



SECTION B-B



PLAN



SECTION A-A

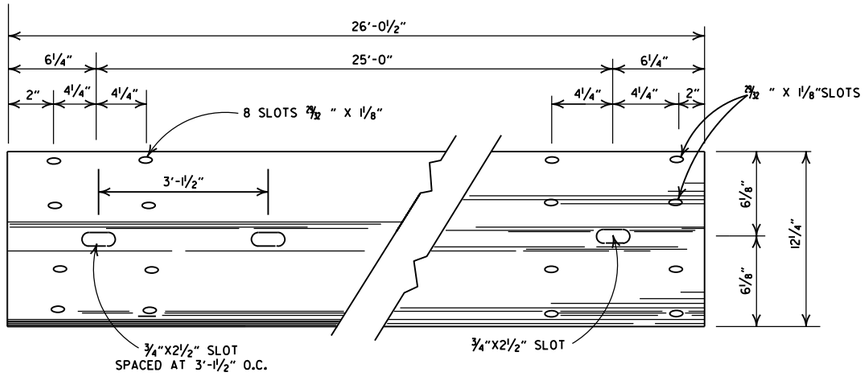
DROP INLET(TYPE RM)

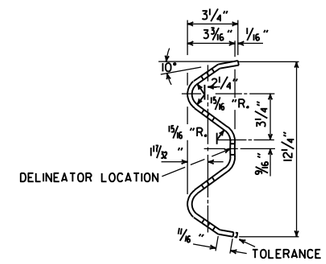
REVISED		DATE FILMED
8-22-02	ADDED & REVISED DIMENSION TO SECTION A-A	
1-12-00	CORRECTED DIMENSION ON SECTION B-B	
11-06-97	ADDED DIMENSION TO SECTION A-A	
10-18-96	REVISED ASTM REF. TO AASHTO AND ADDED NOTE TO TABLE OF "W" DIMENSIONS	
10-1-92	ADDED DIRECTION OF TRAFFIC	10-1-92
8-15-91	ADDED NOTE ABOUT PAINTING OF GRATE	8-15-91
11-30-89	ALTERED DETAIL A	11-30-89
7-15-88	REVISED STEP DETAIL,TM & RM D.I. & GRATE DETAIL	719-7-15-88
10-2-72	REVISED AND REDRAWN	542-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF DROP INLETS

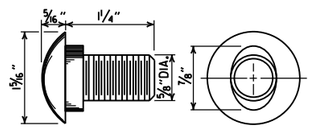
STANDARD DRAWING FPC-9D



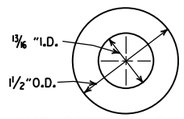


DETAILS OF W-BEAM GUARDRAIL

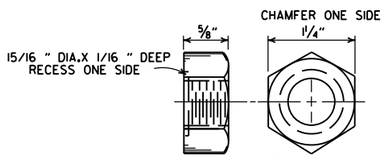
RAIL SECTION OF CLOSELY SIMILAR DIMENSIONS AND COMPARABLE STRENGTH MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.



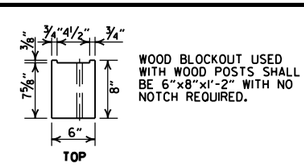
SPLICE BOLT
POST BOLT - SAME EXCEPT LENGTH



CUT STEEL WASHER

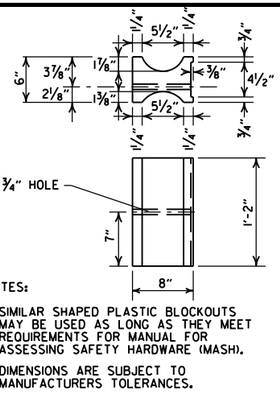


NUT



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

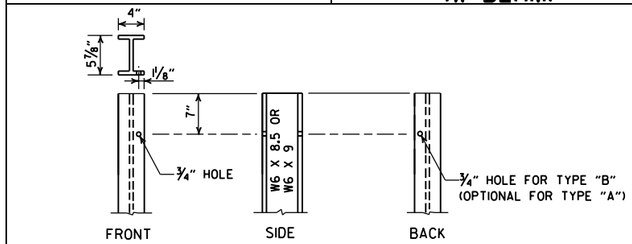
WOOD BLOCKOUT (W-BEAM)



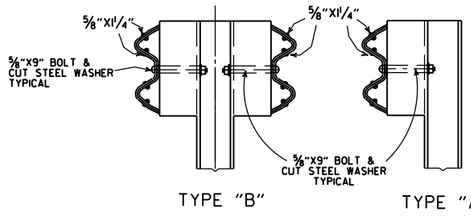
NOTES:

1. SIMILAR SHAPED PLASTIC BLOCKOUTS MAY BE USED AS LONG AS THEY MEET REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
2. DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.

PLASTIC BLOCKOUT (W-BEAM)



STEEL POST



DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)

-GENERAL NOTES-

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

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

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

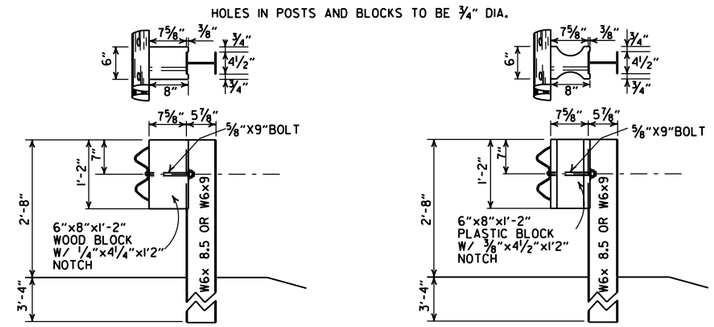
USE W-BEAM GUARDRAIL COMPONENTS OF SAME MATERIAL FOR ENTIRE JOB. FOR EXTENSIONS OR MODIFICATION OF EXISTING GUARDRAIL, W-BEAM GUARDRAIL COMPONENTS OF THE SAME TYPE AS THOSE EXISTING SHALL BE USED.

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

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

CONTRACTOR SHALL HAVE THE OPTION OF USING WOOD BLOCKOUTS FOR W-BEAM GUARDRAIL OR PLASTIC BLOCKOUTS, AS LONG AS BLOCKOUT USED MEETS REQUIREMENTS FOR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) FOR W-BEAM GUARDRAIL.

DELINEATORS SHALL BE MOUNTED AT 37.5' SPACING ON THE FRONT FACE OF THE GUARDRAIL. SPACING MAY BE REDUCED IN CURVES, AS DIRECTED BY THE ENGINEER. COLOR SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR DELINEATORS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID PER LIN. FT. FOR GUARDRAIL.



WOOD BLOCKOUT CONNECTIONS

PLASTIC BLOCKOUT CONNECTIONS

DETAILS OF STEEL LINE POST CONNECTIONS (W-BEAM)

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

WOOD BLOCKOUT CONNECTIONS

PLASTIC BLOCKOUT CONNECTIONS

DETAILS OF WOOD LINE POST CONNECTIONS (W-BEAM)

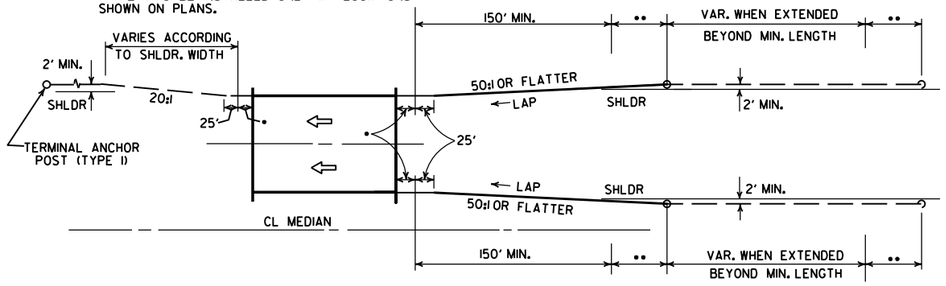
DATE	REVISION	FILMED
05-19-22	REVISED GENERAL NOTES, ADDED DELINEATOR LOCATION.	
11-07-19	RENUMBERED AND RENAMED	
11-16-17	REVISED GENERAL NOTES AND RAISED GUARDRAIL HEIGHT 3"	
07-14-10	RAISED HEIGHT OF GUARDRAIL 1"	
10-15-09	ADDED REFERENCE TO MASH	
04-10-03	REVISED GENERAL NOTES	
08-22-02	REVISED DIMENSION ON WOOD & PLASTIC BLOCKOUT CONNECTIONS & STEEL POST	
11-16-01	REVISED WOOD BLOCKOUT & DETAILS OF WOOD LINE POST CONNECTIONS	
03-30-00	REMOVED GUARDRAIL AT BRIDGE ENDS	
01-12-00	ADDED PLASTIC BLOCKOUT	
08-12-98	REV. BLOCKOUTS TO WOOD, DELETED CONC. POST & REV. GENERAL NOTE, DELETED DET. OF GUARDRAIL 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	
04-03-97	REMOVED "LAP IN DIRECTION OF TRAFFIC" NOTE & PLACED ARROWS ON WASHERS	
10-18-96	REVISED WOOD POST NOTE	
06-02-94	ADDED ALT. STEEL POST SIZE	
08-05-93	REVISED STEEL POST SIZE	8-5-93
10-01-92	REDRAWN & REVISED	10-1-92
08-15-91	REVISED WASHER NOTE	8-15-91
08-02-90	REV. GEN. NOTE & DEPTH OF ANC. POST IN ROCK	8-2-90
07-15-88	REVISED SECTION 3 & GENERAL NOTES	
03-04-88	REV. ANCHOR POST, ELEV. NOTES & POST IN ROCK	780-3-4-88
10-30-87	REVISED WOOD LINE POST DETAIL	546-10-30-87
10-09-87	REDRAWN & REVISED	802-10-9-87

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GUARDRAIL DETAILS

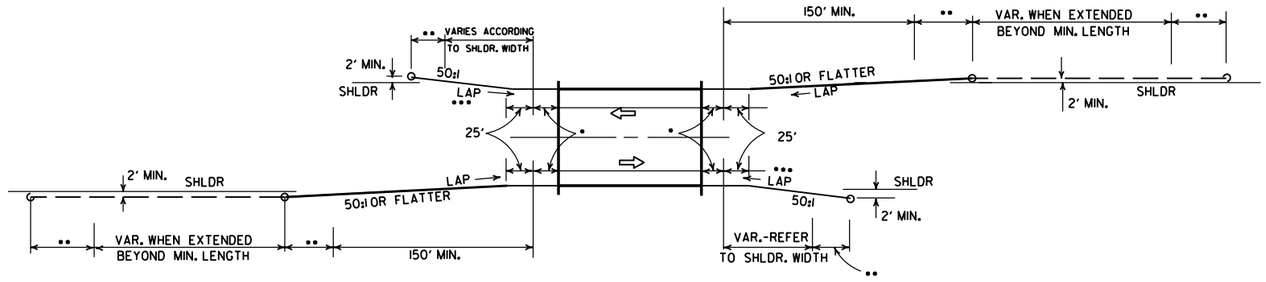
STANDARD DRAWING GR-6

NOTE: GUARDRAIL WITH GUARDRAIL TERMINAL (TYPE 1) TO BE INSTALLED ONLY AT LOCATIONS SHOWN ON PLANS.



ONE-WAY TRAFFIC

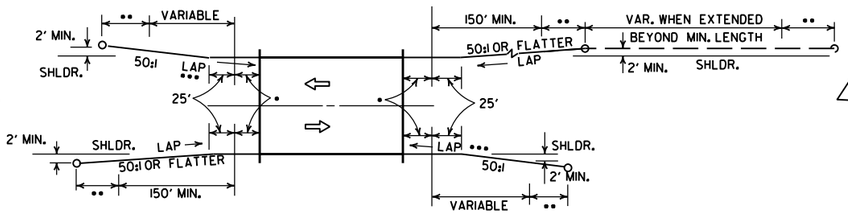
••• LAP OF GUARDRAIL SHALL BE AS SHOWN FOR A DISTANCE OF UP TO 200'. CHANGE TO LAP IN DIRECTION OF TRAVEL.



TWO-WAY TRAFFIC

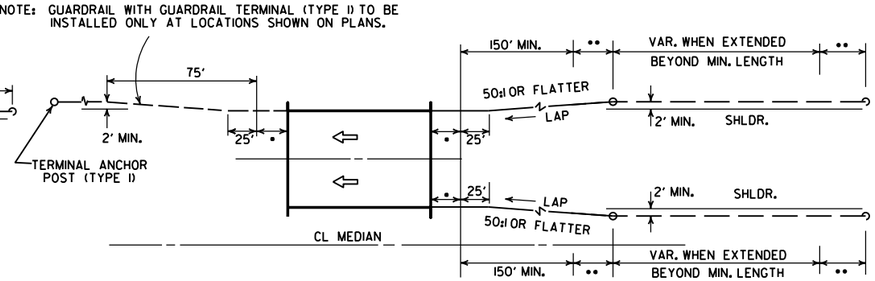
METHODS OF INSTALLATION OF GUARDRAIL AT LESS THAN FULL SHOULDER WIDTH BRIDGES USING GUARDRAIL TERMINAL (TYPE 2)

••• LAP OF GUARDRAIL SHALL BE AS SHOWN FOR A DISTANCE OF UP TO 200'. CHANGE TO LAP IN DIRECTION OF TRAVEL.



TWO-WAY TRAFFIC

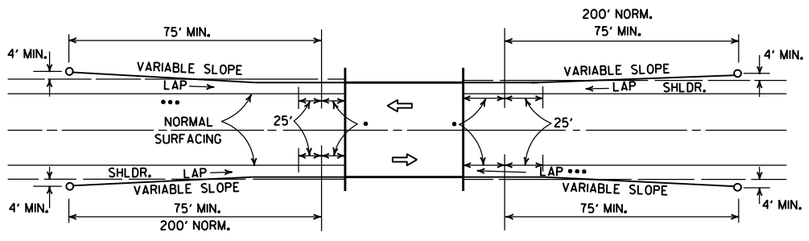
NOTE: GUARDRAIL WITH GUARDRAIL TERMINAL (TYPE 1) TO BE INSTALLED ONLY AT LOCATIONS SHOWN ON PLANS.



ONE-WAY TRAFFIC

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

••• LAP OF GUARDRAIL SHALL BE AS SHOWN FOR A DISTANCE OF UP TO 200'. CHANGE TO LAP IN DIRECTION OF TRAVEL.



METHOD OF INSTALLATION OF GUARDRAIL USING GUARDRAIL TERMINAL (TYPE 1) (FULL SHOULDER WIDTH OR LESS BRIDGES)

LEGEND

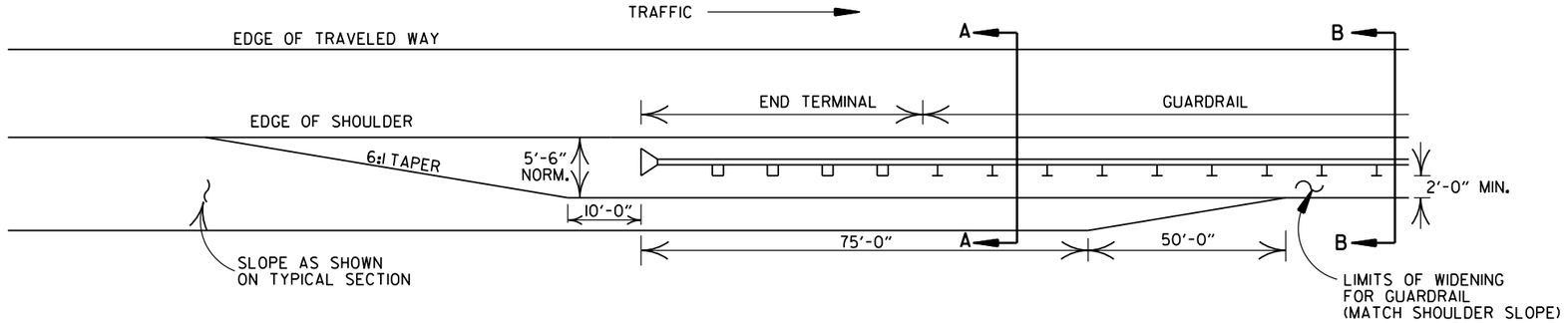
- • THRIE BEAM GUARDRAIL TERMINAL
- •• GUARDRAIL TERMINAL (TYPE 2)

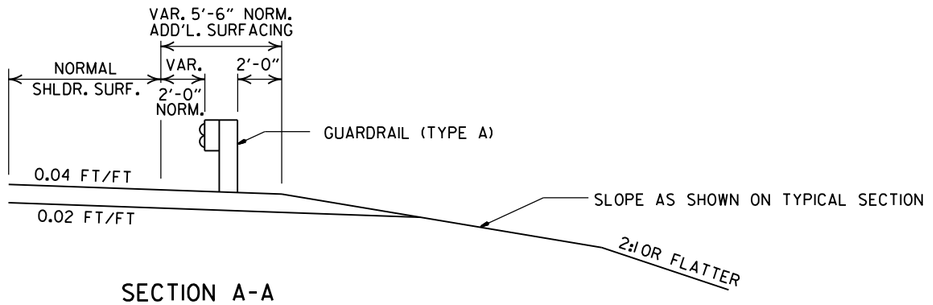
DATE	REVISION	DATE FILM
11-07-19	RENUMBERED AND RENAMED	
4-17-08	REVISED LAYOUTS	
11-10-05	REMOVED GUARDRAIL NOTES AND DETAILS	
11-16-01	DELETED NOTE-METHOD OF INSTALLATION OF GUARDRAIL USING GUARDRAIL TERM. (TY. 1)	
1-12-00	ADDED CONSTRUCTION NOTE	1-12-00
6-26-97	REVISED LAYOUT	
10-1-92	REDRAWN & REVISED	10-1-92
	ADDED NOTE	
10-9-87	REDRAWN & REVISED	

ARKANSAS STATE HIGHWAY COMMISSION

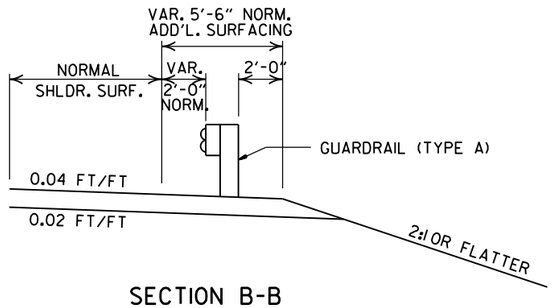
GUARDRAIL DETAILS

STANDARD DRAWING GR-8



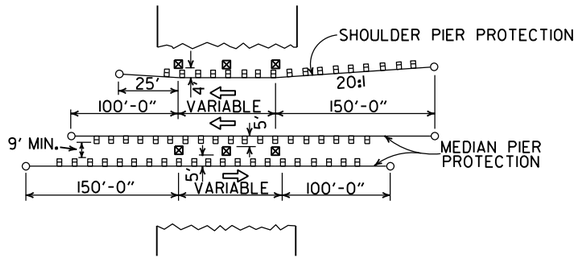


SECTION A-A



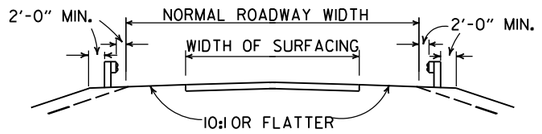
SECTION B-B

DETAILS OF WIDENING FOR GUARDRAIL

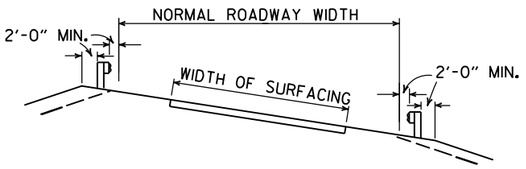


METHOD OF INSTALLATION OF GUARDRAIL AT FIXED OBSTACLE

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



SECTION ON TANGENT



SECTION ON CURVE

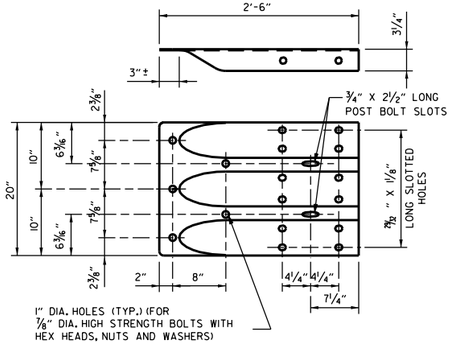
DETAILS SHOWING POSITION OF GUARDRAIL ON HIGHWAY

DATE	REVISION	DATE FILM
11-07-19	RENUMBERED AND RENAMED	
4-17-08	MINOR REVISION	
11-10-05	DRAWN	

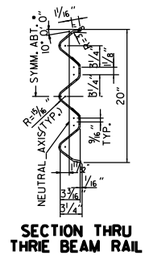
ARKANSAS STATE HIGHWAY COMMISSION

GUARDRAIL DETAILS

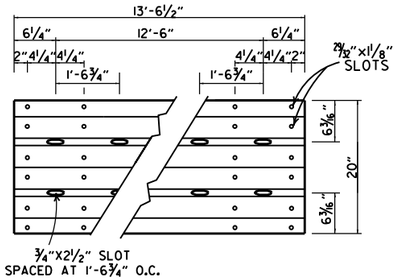
STANDARD DRAWING GR-9



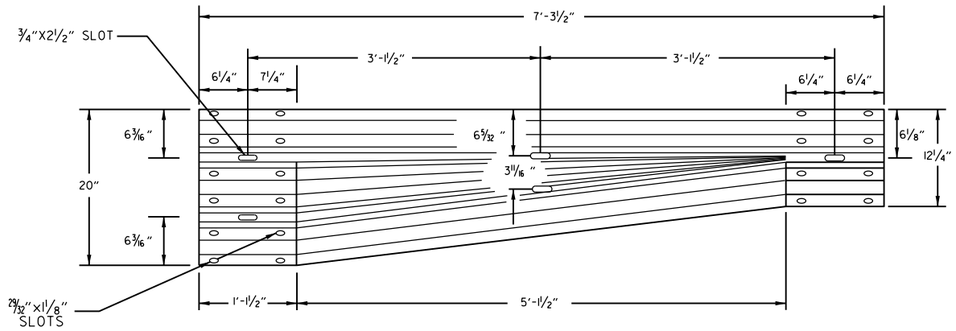
SPECIAL END SHOE



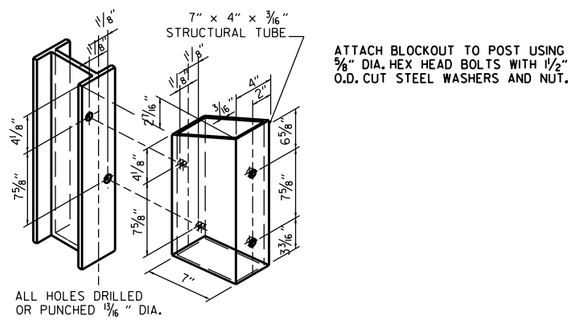
SECTION THRU THRIE BEAM RAIL



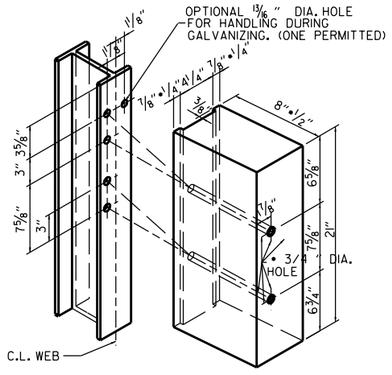
THRIE BEAM RAIL



TRANSITION SECTION



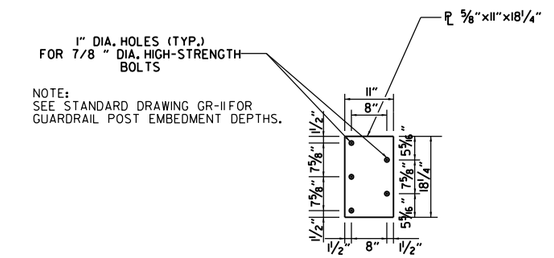
STRUCTURAL STEEL TUBING BLOCKOUT DETAIL



ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED

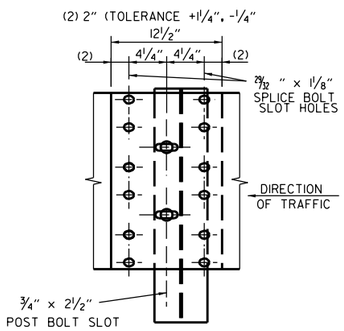
HOLE PUNCHING DETAIL FOR STEEL POST & WOOD OR PLASTIC BLOCKOUTS

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



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 ⅞" DIA. HIGH STRENGTH BOLTS, WITH THE HEADS PLACED ON THE TRAFFIC FACE. WASHERS SHALL BE USED UNDER THE HEAD AND NUT. BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AND SHALL CONFORM TO SUBSECTION 807.06.



THRIE BEAM RAIL SPLICE AT POST

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 1.

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

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

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

REFER TO STD. DRWG. GR-11 FOR POST DETAILS.

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

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

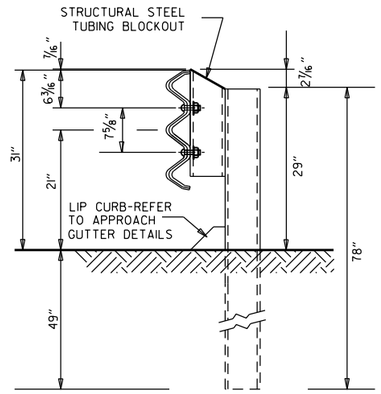
WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1 STRUCTURAL OR BETTER 9.7 f (1400 f) OR NO. 1 1350 f SOUTHERN PINE.

DATE	REVISION	FILMED
11-07-19	RENAMED AND REVISED REFERENCES	
11-16-17	REVISED TRANSITION SECTION, GUARD RAIL HEIGHT, AND GENERAL NOTES; MOVED THRIE BEAM GUARD RAIL CONNECTIONS AT BRIDGES ENDS TO STD. DRWG. GR-12	
07-14-10	RAISED HEIGHT OF W-BEAM 1"	
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	
04-10-03	REVISED GENERAL NOTES	
08-22-02	REVISED NOTE (2)	
06-29-00	MOVED DIMENSION LINES	
05-18-00	ADDED NOTE	
03-30-00	DRAWN & ISSUED	

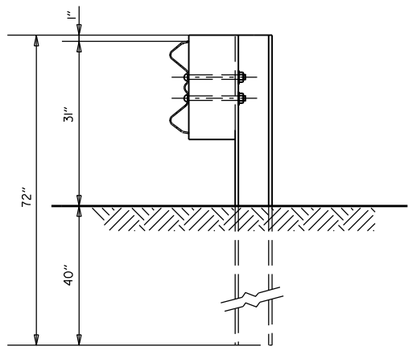
ARKANSAS STATE HIGHWAY COMMISSION

GUARDRAIL DETAILS

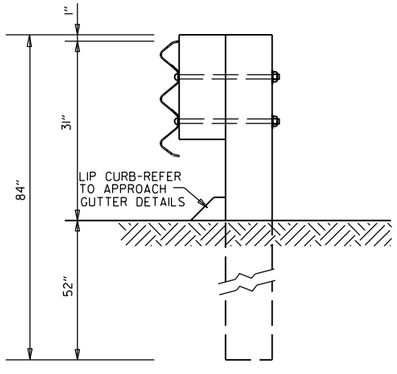
STANDARD DRAWING GR-10



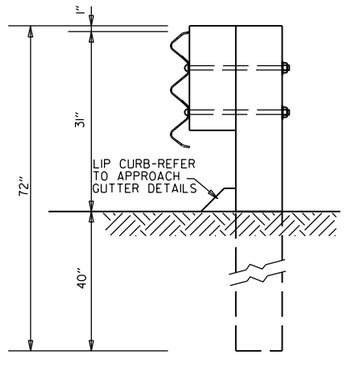
THRIE BEAM RAIL WITH STEEL TUBING BLOCKOUT
AND STEEL POST
POSTS 1-7



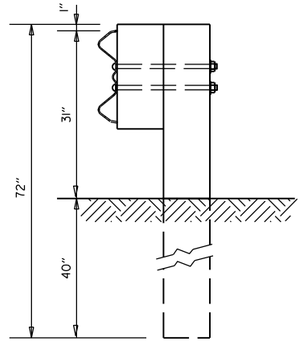
W-BEAM TO THRIE BEAM TRANSITION RAIL
WITH WOOD OR PLASTIC BLOCKOUT AND STEEL POST
POST 8



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.

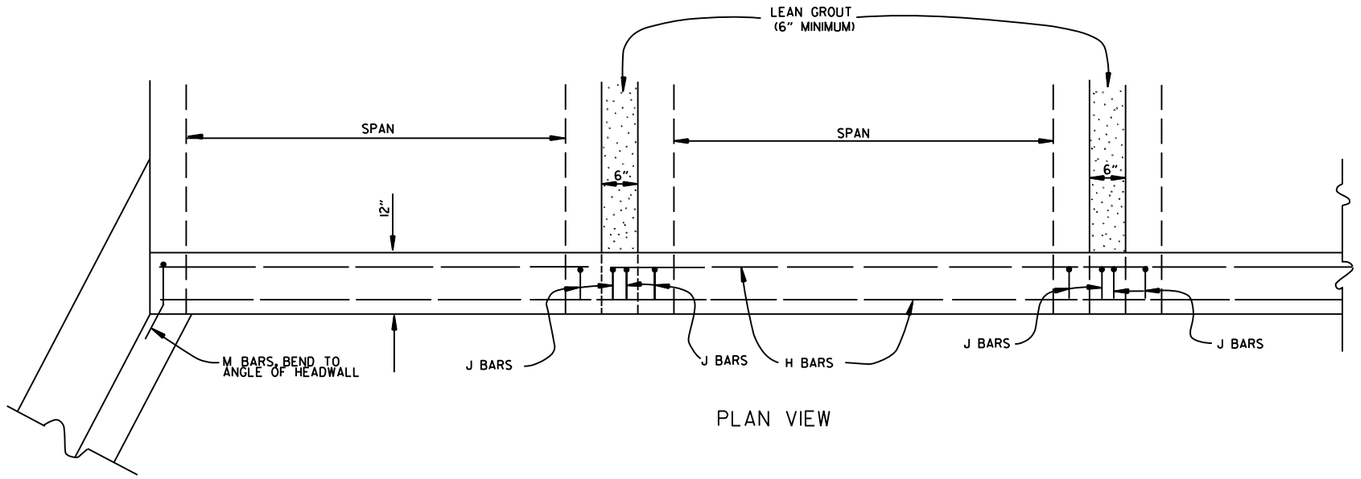
WOOD POSTS & WOOD BLOCKS SHALL BE EITHER DENSE NO. 1STRUCTURAL OR BETTER 9.7f (1400 f) OR NO.1 1350 f SOUTHERN PINE.

DATE	REVISION	FILMED
11-07-19	RENAMED	
11-16-17	REVISED GUARDRAIL HEIGHT, CHANGED STD. DWG. NUMBER FROM GR-10A TO GR-11	
07-14-10	REVISED POST 8 DIMENSIONS	
11-29-07	ADDED PLASTIC BLOCKOUTS	
08-22-02	REVISED LIP CURB NOTE	
03-30-00	DRAWN & ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

GUARDRAIL DETAILS

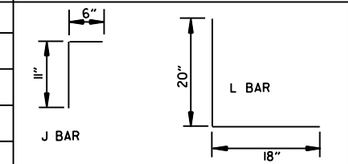
STANDARD DRAWING GR-11



PLAN VIEW

BAR LIST

BAR	NO.	SIZE	LENGTH	BAR BENDING DIAGRAM
H	2	#4	•	
I	•	#4	•	
J	•	#4	1'-5"	
L	•	#4	3'-2"	
M	•	#4	1'-8"	



• NOTE: LENGTH AND NUMBER OF BARS VARIES WITH SIZE OF CULVERT

GENERAL NOTES

WINGS, CURTAIN WALLS AND APRONS SHALL BE TIED TO THE PRECAST CULVERT SECTION BY CASTING BARS IN CULVERT END SECTIONS AS SHOWN OR BY DOWELING AND GROUTING. J BARS AND M BARS SHALL BE EMBEDDED A MINIMUM OF 10" IN PRECAST BOX.

WINGS, FOOTINGS, APRONS AND CURTAIN WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE WING DRAWING. STEEL AND CONCRETE QUANTITIES WILL BE ADJUSTED TO FIT THE IN-PLACE WIDTH & HEIGHT OF THE PRECAST CONCRETE BOX CULVERTS.

ALL EXPOSED CORNERS TO HAVE ¾" CHAMFERS.

WINGWALLS AND FOOTINGS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.

ALL CONCRETE, REINFORCING STEEL, LEAN GROUT, MEMBRANE WATERPROOFING, DRAINAGE FILL MATERIAL, GEOTEXTILE FILTER FABRIC, LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR INSTALLING PRECAST BOX CULVERTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR THE ITEMS AS SPECIFIED IN SECTION 607 OF THE STANDARD SPECIFICATIONS.

LEAN GROUT SHALL CONSIST OF A SAND CEMENT MIXTURE MEETING THE FOLLOWING REQUIREMENTS:
PORTLAND CEMENT SHALL BE TYPE I AND SHALL MEET THE REQUIREMENTS OF AASHTO M 85.
SAND SHALL MEET THE REQUIREMENTS OF FINE AGGREGATE AS SPECIFIED IN SECTION 802.02 OF THE STANDARD SPECIFICATIONS.
THE SAND CEMENT MIXTURE SHALL CONSIST OF NOT LESS THAN 1.5 SACKS OF PORTLAND CEMENT PER TON OF MATERIAL MIXTURE.
THE MIXTURE SHALL CONTAIN SUFFICIENT WATER TO HYDRATE THE CEMENTS. THE SAND CEMENT MIXTURE SHALL BE PLACED IN MAXIMUM 8 INCH THICK LIFTS, LOOSE MEASURE, AND THOROUGHLY RODDED AND TAMPED AROUND BOX TO THOROUGHLY FILL ALL VOIDS.

MEMBRANE WATERPROOFING CONFORMING TO THE REQUIREMENTS OF SECTION 815 OF THE STANDARD SPECIFICATIONS SHALL BE APPLIED TO ALL BOX CULVERT JOINTS.

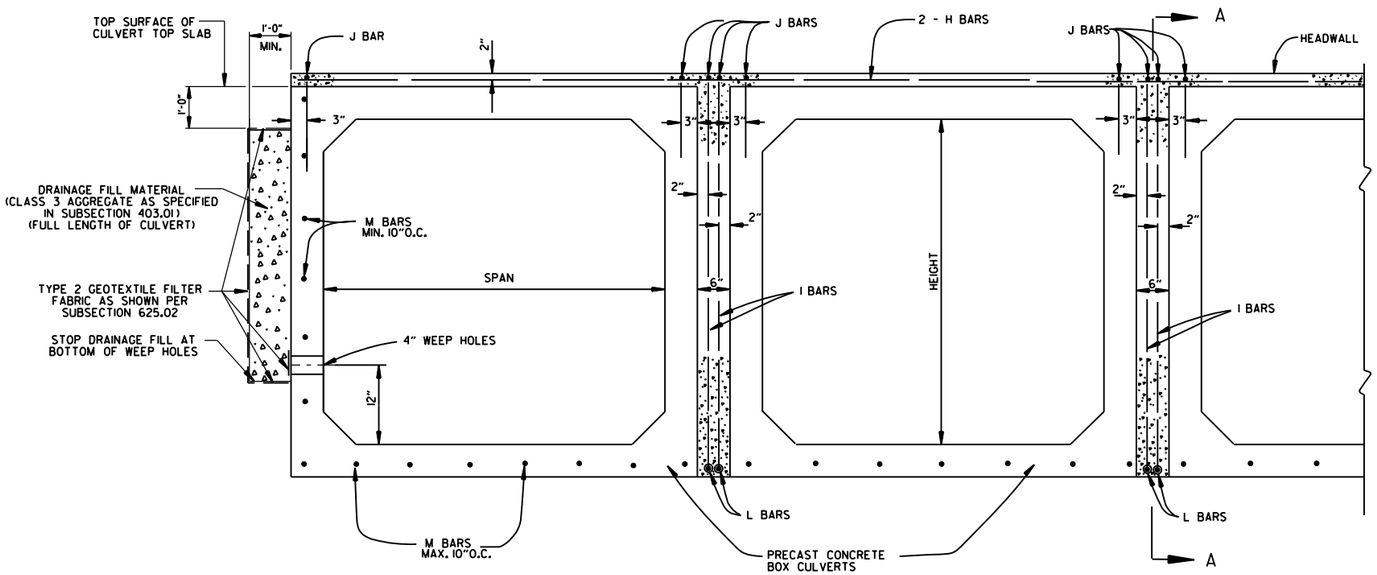
THE MEMBRANE WATERPROOFING WILL BE REQUIRED ON THE TOP EXTERNAL JOINT AND SHALL EXTEND 1 FOOT DOWN THE SIDES OF THE CULVERT.

IN OUTER BARRELS, ONE WEEP HOLE IS REQUIRED IN EXTERIOR WALLS OF EACH PRECAST CULVERT SECTION. WEEP HOLES SHALL HAVE A MAXIMUM HORIZONTAL SPACING OF 10'-0" IN THE ASSEMBLED CULVERT AND SHALL BE SPACED TO CLEAR ALL REINFORCING STEEL. THE DRAIN OPENING SHALL BE 4" DIAMETER AND SHALL BE PLACED 12" ABOVE THE TOP OF THE BOTTOM SLAB.

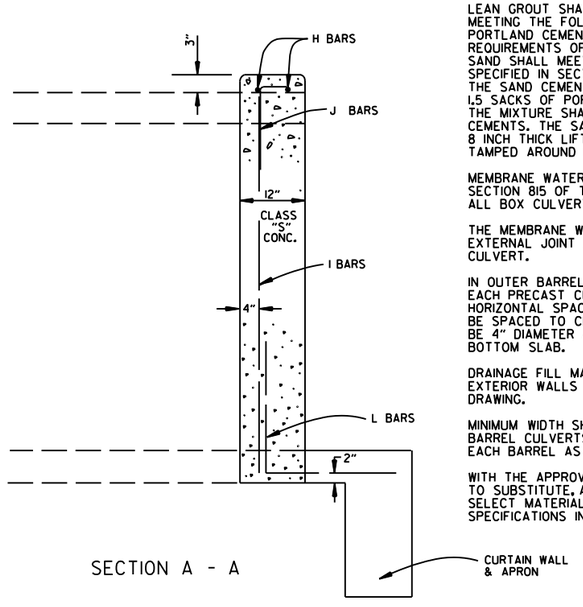
DRAINAGE FILL MATERIAL WITH GEOTEXTILE FABRIC IS REQUIRED AT THE EXTERIOR WALLS OF THE ASSEMBLED CULVERT, SEE DETAILS ON THIS DRAWING.

MINIMUM WIDTH SHALL BE 12" (6" ON EACH SIDE OF JOINT). ON MULTIPLE BARREL CULVERTS, MEMBRANE WATERPROOFING SHALL BE APPLIED TO EACH BARREL AS DESCRIBED ABOVE.

WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL BE ALLOWED TO SUBSTITUTE, AT NO ADDITIONAL COST TO THE DEPARTMENT, FLOWABLE SELECT MATERIAL CONFORMING TO SECTION 206 OF THE STANDARD SPECIFICATIONS IN LIEU OF LEAN GROUT.



END VIEW



SECTION A - A

DATE	REVISION	DATE FILMED
1-28-15	REVISED GEOTEXTILE FABRIC PLACEMENT	
12-15-11	ADDED NOTE & DTLS FOR WEEP HOLE AND DRAINAGE FILL	
10-15-09	ADDED GENERAL NOTE	
11-10-05	REVISED SPACING OF "M" BARS	
4-10-03	REVISED GENERAL NOTES	
10-18-96	CORRECTED AASHTO REF.	
10-1-92	ADDED NOTE FOR MEMBRANE WATERPROOFING	
8-15-91	ADDED NOTE FOR LEAN GROUT	
11- 8-90	REVISED FOR 1991 SPECS	
11-30-89	ISSUED; JABE	

ARKANSAS STATE HIGHWAY COMMISSION

PRECAST CONCRETE BOX CULVERTS

STANDARD DRAWING PBC-1

REINFORCED CONCRETE ARCH PIPE DIMENSIONS

EQUIV. DIA.	SPAN		RISE	
	AASHTO M 206	ARDOT NOMINAL	AASHTO M 206	ARDOT NOMINAL
INCHES	INCHES			
15	18	18	11	11
18	22	22	13½	14
21	26	26	15½	16
24	28½	29	18	18
30	36¼	36	22½	23
36	43⅜	44	26⅝	27
42	51⅛	51	31⅜	31
48	58½	59	36	36
54	65	65	40	40
60	73	73	45	45
72	88	88	54	54
84	102	102	62	62
90	115	115	72	72
96	122	122	77½	77
108	138	138	87⅛	87
120	154	154	96⅞	97
132	168¾	169	106½	107

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M206.

REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE DIMENSIONS

EQUIV. DIA.	AASHTO M 207	
	SPAN	RISE
INCHES	INCHES	
18	23	14
24	30	19
27	34	22
30	38	24
33	42	27
36	45	29
39	49	32
42	53	34
48	60	38
54	68	43
60	76	48
66	83	53
72	91	58
78	98	63
84	106	68

THE MEASURED SPAN AND RISE SHALL NOT VARY MORE THAN ± 2 PERCENT FROM THE VALUES SPECIFIED BY AASHTO M207.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE MIDDLE OF THE PIPE.
5. COMPLETE BACKFILL ACCORDING TO SUBSECTION 606.03.(f)(1).

NOTE: HAUNCH AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF CONCRETE PIPE.

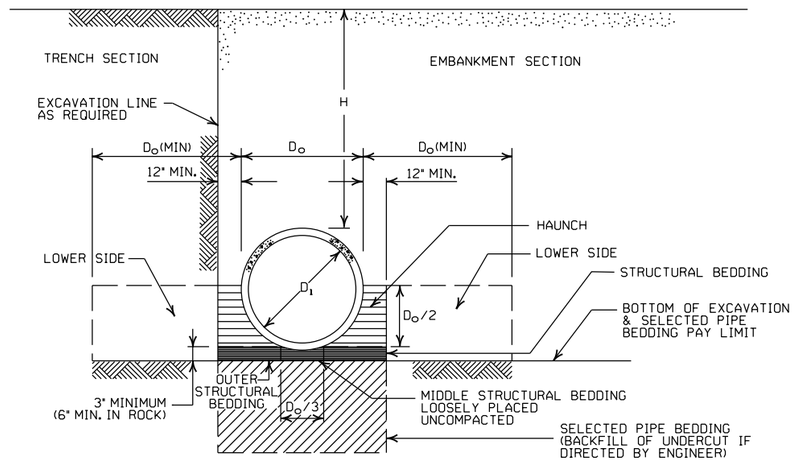
- LEGEND -

D_1 = NORMAL INSIDE DIAMETER OF PIPE
D_O = OUTSIDE DIAMETER OF PIPE
H = FILL COVER HEIGHT OVER PIPE (FEET)
MIN. = MINIMUM
= UNDISTURBED SOIL

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR HAUNCH AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 5 OR CLASS 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL*
TYPE 3**	AASHTO CLASSIFICATION A-1 THRU A-6 SOIL OR TYPE 1 OR 2 INSTALLATION MATERIAL

* SM-3 WILL NOT BE ALLOWED.

** MATERIALS SHALL NOT INCLUDE ORGANIC MATERIALS OR STONES LARGER THAN 3 INCHES.



EMBANKMENT AND TRENCH INSTALLATIONS

1. MATERIAL IN THE HAUNCH AND OUTER STRUCTURAL BEDDING SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. FOR TRENCHES WITH WALLS OF NATURAL SOIL, THE DENSITY OF THE SOIL IN THE LOWER SIDE ZONE SHALL BE AS FIRM AS THE 95% DENSITY REQUIRED FOR THE HAUNCH. IF THE EXISTING SOIL DOES NOT MEET THIS CRITERIA, IT SHALL BE REMOVED AND RECOMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OF MATERIAL USED.
3. FOR EMBANKMENTS, THE MATERIAL IN THE LOWER SIDE ZONE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

GENERAL NOTES

1. CONCRETE PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION), WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONCRETE PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. ALL PIPE SHALL CONFORM TO SECTION 606. CIRCULAR R.C. PIPE CULVERTS SHALL CONFORM TO AASHTO M170, R.C. ARCH PIPE CULVERTS SHALL CONFORM TO AASHTO M206 AND HORIZONTAL ELLIPTICAL PIPE CULVERTS SHALL CONFORM TO AASHTO M207.
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD. DWG. FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. NOT MORE THAN ONE LIFTING HOLE MAY BE PROVIDED IN CONCRETE PIPE TO FACILITATE HANDLING. HOLE MAY BE CAST IN PLACE, CUT INTO THE FRESH CONCRETE AFTER FORMS ARE REMOVED, OR DRILLED. THE HOLE SHALL NOT BE MORE THAN TWO INCHES IN DIAMETER OR TWO INCHES SQUARE. CUTTING OR DISPLACEMENT OF REINFORCEMENT WILL NOT BE PERMITTED. SPALLED AREAS AROUND THE HOLE SHALL BE REPAIRED IN A WORKMANLIKE MANNER. LIFTING HOLE SHALL BE FILLED WITH MORTAR, CONCRETE, OR OTHER METHOD AS APPROVED BY THE ENGINEER.
9. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
10. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS THE HAUNCH), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

MINIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

	CLASS OF PIPE			
	CLASS III		CLASS IV	CLASS V
INSTALLATION TYPE	TYPE 1 OR 2	TYPE 3	ALL	ALL
PIPE ID (IN.)	FEET			
12-15	2	2.5	2	1
18-24	2.5	3	2	1
27-33	3	4	2	1
36-42	3.5	5	2	1
48	4.5	5.5	2	1
54-60	5	7	2	1
66-78	6	8	2	1
84-108	7.5	8	2	1

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER CIRCULAR R.C. PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE		
	CLASS III	CLASS IV	CLASS V
	FEET		
TYPE 1	21	32	50
TYPE 2	16	25	39
TYPE 3	12	20	30

NOTE: IF FILL HEIGHT EXCEEDS 50 FEET, A SPECIAL DESIGN CONCRETE PIPE WILL BE REQUIRED USING TYPE 1 INSTALLATION.

MINIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
	FEET	
TYPE 2 OR TYPE 3	2.5	1.5

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

NOTE: FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM OF 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H" OVER R.C. ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS

INSTALLATION TYPE	CLASS OF PIPE	
	CLASS III	CLASS IV
	FEET	
TYPE 2	13	21
TYPE 3	10	16

NOTE: TYPE 1 INSTALLATION WILL NOT BE ALLOWED FOR ARCH & HORIZONTAL ELLIPTICAL PIPE CULVERTS.

DATE	REVISION	DATE FILMED
2-27-14	REVISED GENERAL NOTE 1.	
12-15-11	REVISED FOR LRFD DESIGN SPECIFICATIONS	
5-18-00	REVISED TYPE 3 BEDDING & ADDED NOTE	
3-30-00	REVISED INSTALLATIONS	
11-06-97	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING

STANDARD DRAWING PCC-1

CORRUGATED STEEL PIPE (ROUND)

PIPE DIAMETER (INCHES)	① MINUMUM COVER TOP OF PIPE TO TOP OF GROUND "H" (FEET)	MAX. FILL HEIGHT "H" ABOVE TOP OF PIPE (FEET)				
		METAL THICKNESS (INCHES)				
		0.064	0.079	0.109	0.138	0.168
2⅔ INCH BY ½ INCH CORRUGATION RIVETED, WELDED, OR HELICAL LOCK-SEAM						
12	1	84	91			
15	1	67	73			
18	1	56	61			
24	1	42	46	59		
30	2	34	36	47		
36	2		30	39	41	
42	2		43	67	70	73
48	2		37	58	61	64
② 3 INCH BY 1 INCH OR 5 INCH BY 1 INCH CORRUGATION RIVETED, WELDED, BOLTED, OR HELICAL LOCK-SEAM						
36	1	48	60	88	111	118
42	1	41	51	72	90	102
48	1	36	45	64	77	85
54	2	32	40	59	71	79
60	2	29	36	53	64	71
66	2	26	33	47	58	64
72	2	24	30	44	53	59
78	2		28	41	49	54
84	2		26	38	45	51
90	2		24	35	43	45
96	2		22	33	40	44
102	2			31	38	42
108	2			30	35	39
114	2			28	34	37
120	2			27	32	35

CORRUGATED ALUMINUM PIPE (ROUND)

PIPE DIAMETER (INCHES)	① MINUMUM COVER TOP OF PIPE TO TOP OF GROUND "H" (FEET)	MAX. FILL HEIGHT "H" ABOVE TOP OF PIPE (FEET)				
		METAL THICKNESS IN INCHES				
		0.060	0.075	0.105	0.135	0.164
		2 ⅔ INCH BY ½ INCH CORRUGATION RIVETED OR HELICAL LOCK-SEAM				
12	1	45	45			
18	2	30	30	52		
24	2	22	22	39	41	
30	2		18	31	32	34
36	2.5		15	26	27	28
42	2			43	43	44
48	2			40	41	43
54	2			35	37	38
60	2				33	34
66	2					31
72	2					29

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. COMPLETE STRUCTURAL BACKFILL OPERATION BY WORKING FROM SIDE TO SIDE OF THE PIPE. THE SIDE TO SIDE STRUCTURAL BACKFILL DIFFERENTIAL SHALL NOT EXCEED 24 INCHES OR 1/3 THE SIZE OF THE PIPE, WHICHEVER IS LESS.

NOTE: STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF METAL PIPE.

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7)
TYPE 2	SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4) OR TYPE 1 INSTALLATION MATERIAL ③

③ SM-3 WILL NOT BE ALLOWED.

EQUIVALENT METAL THICKNESSES AND GAUGES

METAL THICKNESS IN INCHES			GAUGE NUMBER
STEEL			
ZINC COATED	UNCOATED	ALUMINUM	
0.064	0.0598	0.060	16
0.079	0.0747	0.075	14
0.109	0.1046	0.105	12
0.138	0.1345	0.135	10
0.168	0.1644	0.164	8

CORRUGATED METAL PIPE ARCHES

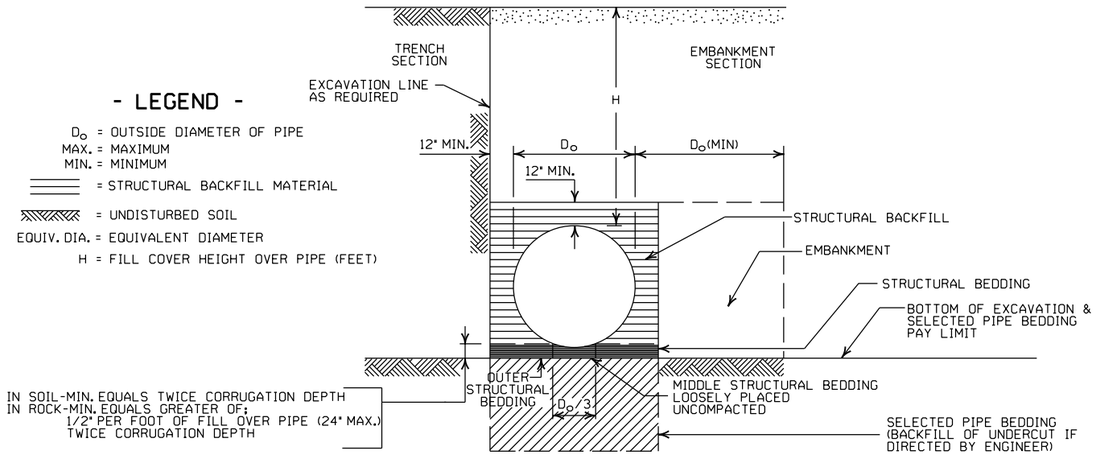
EQUIV. DIA. (INCHES)	PIPE DIMENSION SPAN X RISE (INCHES)	MINUMUM CORNER RADIUS (INCHES)	STEEL				ALUMINUM			
			MIN. THICKNESS REQUIRED INCHES	① MIN. HEIGHT OF FILL, "H" (FT.)	MAX. HEIGHT OF FILL, "H" (FT.)		MIN. THICKNESS REQUIRED INCHES	① MIN. HEIGHT OF FILL, "H" (FT.)	MAX. HEIGHT OF FILL, "H" (FT.)	
				INSTALLATION	INSTALLATION			INSTALLATION	INSTALLATION	
				TYPE 1	TYPE 1			TYPE 1	TYPE 1	
			2 ⅔ INCH BY ½ INCH CORRUGATION RIVETED, WELDED, OR HELICAL LOCK-SEAM				2 ⅔ INCH BY ½ INCH CORRUGATION RIVETED OR HELICAL LOCK-SEAM			
15	17x13	3	0.064	2	15		0.060	2	15	
18	21x15	3	0.064	2	15		0.060	2	15	
21	24x18	3	0.064	2.25	15		0.060	2.25	15	
24	28x20	3	0.064	2.5	15		0.075	2.5	15	
30	35x24	3	0.079	3	12		0.075	3	12	
36	42x29	3½	0.079	3	12		0.105	3	12	
42	49x33	4	0.079	3	12		0.105	3	12	
48	57x38	5	0.109	3	13		0.135	3	13	
54	64x43	6	0.109	3	14		0.135	3	14	
60	71x47	7	0.138	3	15		0.164	3	15	
66	77x52	8	0.168	3	15					
72	83x57	9	0.168	3	15					
			② 3 INCH BY 1 INCH OR 5 INCH BY 1 INCH CORRUGATION RIVETED, WELDED, OR HELICAL LOCK-SEAM							
				INSTALLATION		INSTALLATION				
				TYPE 2	TYPE 1	TYPE 2	TYPE 1			
36	40x31	5	0.079	3	2	12	15			
42	46x36	6	0.079	3	2	13	15			
48	53x41	7	0.079	3	2	13	15			
54	60x46	8	0.079	3	2	13	15			
60	66x51	9	0.079	3	2	13	15			
66	73x55	12	0.079	3	2	15	15			
72	81x59	14	0.079	3	2	15	15			
78	87x63	14	0.079	3	2	15	15			
84	95x67	16	0.109	3	2	15	15			
90	103x71	16	0.109	3	2	15	15			
96	112x75	18	0.109	3	2	15	15			
102	117x79	18	0.109	3	2	15	15			
108	128x83	18	0.138	3	2	15	15			

① FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM 12" OF PAVEMENT AND/OR BASE.

② WHERE THE STANDARD 2 2/3"x ½" CORRUGATION AND GAUGE IS SPECIFIED FOR A GIVEN DIAMETER, A PIPE OF THE SAME DIAMETER WITH A 3" x 1" OR 5" x 1" CORRUGATION MAY BE SUBSTITUTED, PROVIDING IT IS GAUGED FOR A FILL HEIGHT CONDITION EQUAL TO OR GREATER THAN THE MAXIMUM FILL HEIGHT CONDITION FOR THE SPECIFIED GAUGE AND CORRUGATION.

- LEGEND -

D_o = OUTSIDE DIAMETER OF PIPE
MAX. = MAXIMUM
MIN. = MINIMUM
= STRUCTURAL BACKFILL MATERIAL
= UNDISTURBED SOIL
EQUIV. DIA. = EQUIVALENT DIAMETER
H = FILL COVER HEIGHT OVER PIPE (FEET)



EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, EMBANKMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. INSTALLATION TYPE 1 OR 2 MAY BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE (ROUND).
3. INSTALALTION TYPE 1 SHALL BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE ARCHES WITH 2⅔" X ½" CORRUGATION.
4. INSTALLATION TYPE 1 OR 2 MAY BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE ARCHES WITH 3" X 1" OR 5" X 1" CORRUGATION.

GENERAL NOTES

1. METAL PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION), WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. METAL PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. METAL PIPE CULVERT MATERIALS AND INSTALLATIONS SHALL CONFORM TO SECTION 606 AND JOB SPECIAL PROVISION "METAL PIPE".
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD. DWG. FES-2 FOR MINIMUM CLEARANCE WHERE FLARED END SECTIONS ARE USED.
7. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
9. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED AS STRUCTURAL BACKFILL), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

DATE	REVISION	DATE FILMED
2-27-14	REVISED GENERAL NOTE 1.	
12-15-11	REVISED FOR LRFD DESIGN SPECS	
3-30-00	REVISED INSTALLATIONS	
11-06-97	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

METAL PIPE CULVERT FILL HEIGHTS & BEDDING

STANDARD DRAWING PCM-1

INSTALLATION TYPE	•• MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 2	•SELECTED MATERIALS (CLASS SM-1, SM-2 OR SM-4)

• AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7) MAY BE USED IN LIEU OF SELECTED MATERIAL.

SM3 WILL NOT BE ALLOWED.

•• STRUCTURAL BEDDING MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1INCH. STRUCTURAL BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, STONES LARGER THAN 1.50 INCH IN GREATEST DIMENSION, OR FROZEN LUMPS.

STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF HDPE PIPE.

MULTIPLE INSTALLATION OF HIGH DENSITY POLYETHYLENE PIPES

PIPE DIAMETER	CLEAR DISTANCE BETWEEN PIPES
18"	1'-6"
24"	2'-0"
30"	2'-6"
36"	3'-0"
42"	3'-6"
48"	4'-0"

MINIMUM TRENCH WIDTH BASED ON FILL HEIGHT "H"

PIPE DIAMETER	TRENCH WIDTH (FEET)	
	"H" < 10'-0"	"H" >OR= 10'-0"
18"	4'-6"	4'-6"
24"	5'-0"	6'-0"
30"	5'-6"	7'-6"
36"	6'-0"	9'-0"
42"	7'-0"	10'-6"
48"	8'-0"	12'-0"

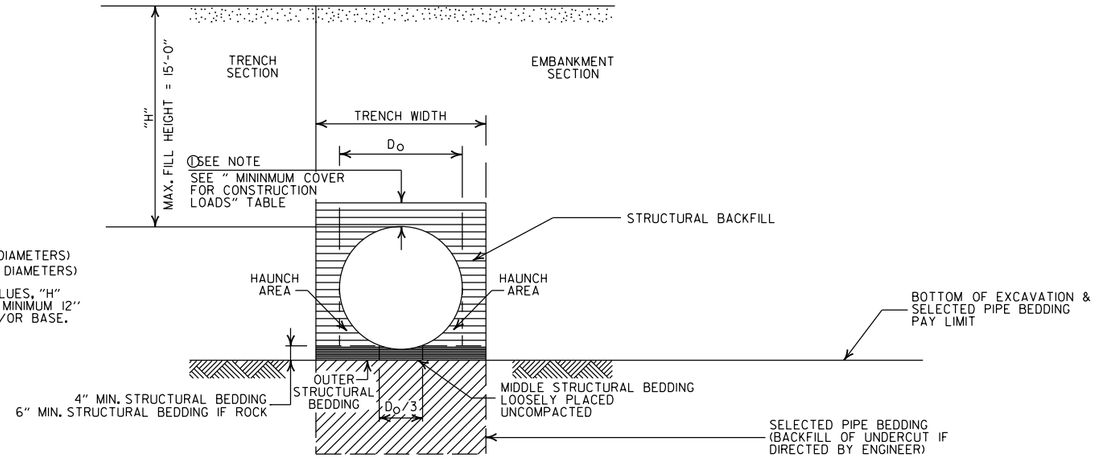
①NOTE:
18" MIN. (18" - 30" DIAMETERS)
24" MIN. (36" - 48" DIAMETERS)

MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM 12" OF PAVEMENT AND/OR BASE.

MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIAMETER	② MIN. COVER (FEET) FOR INDICATED CONSTRUCTION LOADS			
	18.0-50.0 (KIPS)	50.0-75.0 (KIPS)	75.0-110.0 (KIPS)	110.0-175.0 (KIPS)
36" OR LESS	2'-0"	2'-6"	3'-0"	3'-0"
42" OR GREATER	3'-0"	3'-0"	3'-6"	4'-0"

②MINIMUM COVER SHALL BE MEASURED FROM TOP OF PIPE TO TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE. THE SURFACE SHALL BE MAINTAINED.



TYPE 2 EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, EMBANKMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. THE STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 8". THE LAYERS SHALL BE BROUGHT UP EVENLY AND SIMULTANEOUSLY TO THE ELEVATION OF THE MINIMUM COVER.
5. PIPE INSTALLATION MAY REQUIRE THE USE OF RESTRAINTS, WEIGHTING OR OTHER APPROVED METHODS IN ORDER TO HELP MAINTAIN GRADE AND ALIGNMENT.

GENERAL NOTES

1. PIPE SHALL CONFORM TO AASHTO M294, TYPE S. INSTALLATION SHALL CONFORM TO JOB SPECIAL PROVISION "PLASTIC PIPE" AND SECTION 606 OF THE STANDARD SPECIFICIATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).
2. PLASTIC PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PLUS A SUFFICIENT WIDTH TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER BACKFILL MATERIAL.
4. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
5. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
6. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS STRUCTURAL BACKFILL), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."
7. FOR PIPE TYPES THAT ARE NOT SMOOTH ON THE OUTSIDE (CORRUGATED OR PROFILE WALLS), BACKFILL GRADATIONS SHOULD BE SELECTED THAT WILL PERMIT THE FILLING OF THE CORRUGATION OR PROFILE VALLEY.
8. HIGH DENSITY POLYETHYLENE PIPES OF DIAMETERS OTHER THAN SHOWN WILL NOT BE ALLOWED.
9. JOINTS FOR HDPE PIPE SHALL MEET THE REQUIREMENTS FOR SOIL TIGHTNESS AS SPECIFIED IN AASHTO SECTION 26.4.2.4 AND 30.4.2 "AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS." JOINTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

- LEGEND -

H = FILL HEIGHT (FT.)
D = OUTSIDE DIAMETER OF PIPE
MAX. = MAXIMUM
MIN. = MINIMUM

= STRUCTURAL BACKFILL MATERIAL

= UNDISTURBED SOIL

DATE	REVISION	DATE FILMED
2-27-14	REVISED GENERAL NOTE 1.	
12-15-11	REVISED GENERAL NOTES & MINIMUM COVER NOTE	
11-17-10	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

PLASTIC PIPE CULVERT (HIGH DENSITY POLYETHYLENE)

STANDARD DRAWING PCP-1

INSTALLATION TYPE	•• MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 2	•SELECTED MATERIALS (CLASS SM-1, SM-2, OR SM-4)

• AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7) MAY BE USED IN LIEU OF SELECTED MATERIAL.

SM3 WILL NOT BE ALLOWED.

•• STRUCTURAL BEDDING MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1INCH. STRUCTURAL BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, STONES LARGER THAN 1.50 INCH IN GREATEST DIMENSION, OR FROZEN LUMPS.

STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PVC PIPE.

MINIMUM TRENCH WIDTH BASED ON FILL HEIGHT "H"

PIPE DIAMETER	TRENCH WIDTH (FEET)	
	"H" < 10'-0"	"H" >OR= 10'-0"
18"	4'-6"	4'-6"
24"	5'-0"	6'-0"
30"	5'-6"	7'-6"
36"	6'-0"	9'-0"

MULTIPLE INSTALLATION OF PVC PIPES

PIPE DIAMETER	CLEAR DISTANCE BETWEEN PIPES
18"	1'-6"
24"	2'-0"
30"	2'-6"
36"	3'-0"

MAXIMUM FILL HEIGHT BASED ON STRUCTURAL BACKFILL

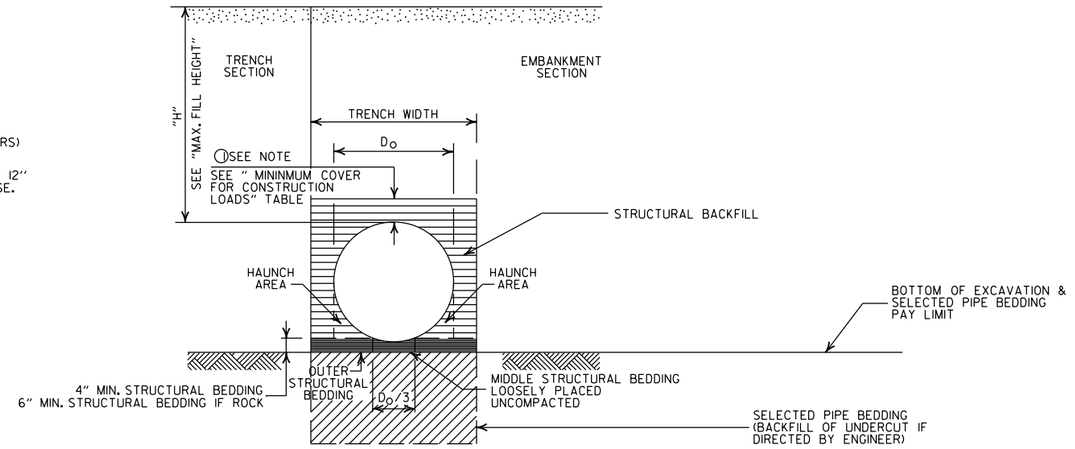
PIPE DIAMETER	"H"
18"	45'-0"
24"	45'-0"
30"	40'-0"
36"	40'-0"

① NOTE:
12" MIN. (18" - 36" DIAMETERS)
MINIMUM COVER VALUE, "H" SHALL INCLUDE A MINIMUM 12" OF PAVEMENT AND/OR BASE.

MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIAMETER	② MIN. COVER (FEET) FOR INDICATED CONSTRUCTION LOADS			
	18.0-50.0 (KIPS)	50.0-75.0 (KIPS)	75.0-110.0 (KIPS)	110.0-175.0 (KIPS)
18" THRU 36"	2'-0"	2'-6"	3'-0"	3'-0"

②MINIMUM COVER SHALL BE MEASURED FROM TOP OF PIPE TO TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE. THE SURFACE SHALL BE MAINTAINED.



TYPE 2 EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, EMBANKMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. THE STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 8". THE LAYERS SHALL BE BROUGHT UP EVENLY AND SIMULTANEOUSLY TO THE ELEVATION OF THE MINIMUM COVER.
5. PIPE INSTALLATION MAY REQUIRE THE USE OF RESTRAINTS, WEIGHTING OR OTHER APPROVED METHODS IN ORDER TO HELP MAINTAIN GRADE AND ALIGNMENT.

GENERAL NOTES

1. PIPE SHALL CONFORM TO ASTM F949, CELL CLASS 12454. INSTALLATION SHALL CONFORM TO JOB SPECIAL PROVISION "PLASTIC PIPE" AND SECTION 606 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).
2. PLASTIC PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2010) WITH 2010 INTERIMS.
3. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PLUS A SUFFICIENT WIDTH TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER BACKFILL MATERIAL.
4. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
5. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
6. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS STRUCTURAL BACKFILL), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."
7. FOR PIPE TYPES THAT ARE NOT SMOOTH ON THE OUTSIDE (CORRUGATED OR PROFILE WALLS), BACKFILL GRADATIONS SHOULD BE SELECTED THAT WILL PERMIT THE FILLING OF THE CORRUGATION OR PROFILE VALLEY.
8. PVC PIPES OF DIAMETERS OTHER THAN SHOWN WILL NOT BE ALLOWED.
9. JOINTS FOR PVC PIPE SHALL MEET THE REQUIREMENTS FOR SOIL TIGHTNESS AS SPECIFIED IN AASHTO SECTION 26.4.2.4 AND 30.4.2 "AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS." JOINTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

- LEGEND -

H = FILL HEIGHT (FT.)
D_O = OUTSIDE DIAMETER OF PIPE
MAX. = MAXIMUM
MIN. = MINIMUM

= STRUCTURAL BACKFILL MATERIAL
= UNDISTURBED SOIL

DATE	REVISION	DATE FILMED
2-27-14	REVISED GENERAL NOTE 1.	
12-15-11	REV GENERAL NOTES & MINIMUM COVER NOTE; DELETED SM3 MATERIAL	
11-17-10	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

PLASTIC PIPE CULVERT (PVC F949)

STANDARD DRAWING PCP-2

INSTALLATION TYPE	**MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7)
TYPE 2	*SELECTED MATERIALS (CLASS SM-1, SM-2 OR SM-4) OR TYPE 1 INSTALLATION MATERIAL

*SM3 WILL NOT BE ALLOWED.

** STRUCTURAL BEDDING MATERIAL SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1INCH. STRUCTURAL BACKFILL MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, STONES LARGER THAN 1.50 INCH IN GREATEST DIMENSION, OR FROZEN LUMPS.

STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF POLYPROPYLENE PIPE.

MULTIPLE INSTALLATION OF POLYPROPYLENE PIPES

PIPE DIAMETER	CLEAR DISTANCE BETWEEN PIPES
18"	1'-6"
24"	2'-0"
30"	2'-6"
36"	3'-0"
42"	3'-6"
48"	4'-0"
60"	5'-0"

MINIMUM TRENCH WIDTH BASED ON FILL HEIGHT "H"

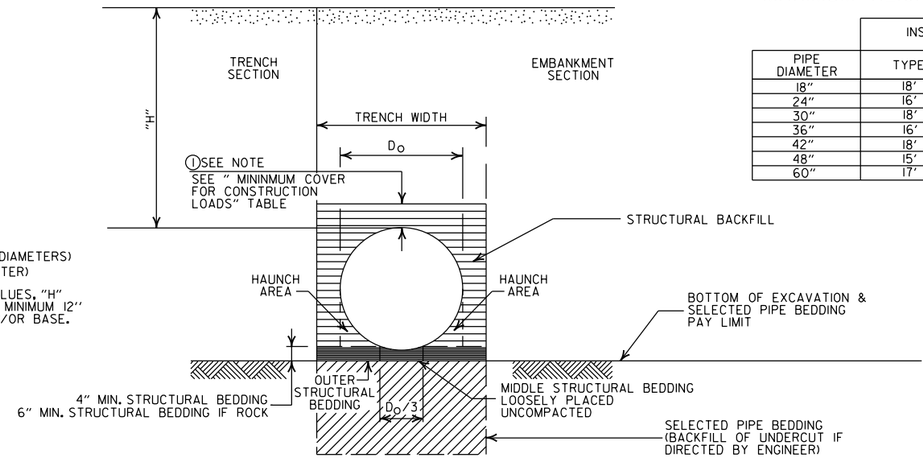
PIPE DIAMETER	TRENCH WIDTH (FEET)	
	"H" < 10'-0"	"H" >OR= 10'-0"
18"	4'-6"	4'-6"
24"	5'-0"	6'-0"
30"	5'-6"	7'-6"
36"	6'-0"	9'-0"
42"	7'-0"	10'-6"
48"	8'-0"	12'-0"
60"	10'-0"	15'-0"

①NOTE:
12" MIN. (18" - 42" DIAMETERS)
24" MIN. (60" DIAMETER)

MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM 12" OF PAVEMENT AND/OR BASE.

MAXIMUM HEIGHT OF FILL "H"

PIPE DIAMETER	INSTALLATION TYPE	
	TYPE 1	TYPE 2
18"	18'	14'
24"	16'	12'
30"	18'	14'
36"	16'	12'
42"	18'	13'
48"	15'	11'
60"	17'	12'



MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIAMETER	② MIN. COVER (FEET) FOR INDICATED CONSTRUCTION LOADS			
	18.0-50.0 (KIPS)	50.0-75.0 (KIPS)	75.0-110.0 (KIPS)	110.0-150.0 (KIPS)
36" OR LESS	2'-0"	2'-6"	3'-0"	3'-0"
42" OR GREATER	3'-0"	3'-0"	3'-6"	4'-0"

②MINIMUM COVER SHALL BE MEASURED FROM TOP OF PIPE TO TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE. THE SURFACE SHALL BE MAINTAINED.

EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, EMBANKMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
2. INSTALL PIPE TO GRADE.
3. COMPACT STRUCTURAL BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE.
4. THE STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 8". THE LAYERS SHALL BE BROUGHT UP EVENLY AND SIMULTANEOUSLY TO THE ELEVATION OF THE MINIMUM COVER.
5. PIPE INSTALLATION MAY REQUIRE THE USE OF RESTRAINTS, WEIGHTING OR OTHER APPROVED METHODS IN ORDER TO HELP MAINTAIN GRADE AND ALIGNMENT.

GENERAL NOTES

1. PIPE SHALL CONFORM TO AASHTO M330, TYPE S, INSTALLATION SHALL CONFORM TO JOB SPECIAL PROVISION "PLASTIC PIPE" AND SECTION 606 OF THE STANDARD SPECIFICIATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).
2. PLASTIC PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION (2012) WITH 2013 INTERIMS.
3. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PLUS A SUFFICIENT WIDTH TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER BACKFILL MATERIAL.
4. IMPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
5. WHEN DIRECTED BY THE ENGINEER, UNSUITABLE MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH (BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE) WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING."
6. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE (ABOVE THE AREA IDENTIFIED ABOVE AS STRUCTURAL BACKFILL), BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."
7. FOR PIPE TYPES THAT ARE NOT SMOOTH ON THE OUTSIDE (CORRUGATED OR PROFILE WALLS), BACKFILL GRADATIONS SHOULD BE SELECTED THAT WILL PERMIT THE FILLING OF THE CORRUGATION OR PROFILE VALLEY.
8. POLYPROPYLENE PIPES OF DIAMETERS OTHER THAN SHOWN WILL NOT BE ALLOWED.
9. JOINTS FOR POLYPROPYLENE PIPE SHALL MEET THE REQUIREMENTS FOR SOIL TIGHTNESS AS SPECIFIED IN SECTION 26.4.2.4 AND 30.4.2 OF THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS 3RD EDITION (2010) WITH 2012 INTERIMS. JOINTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

- LEGEND -

H = FILL HEIGHT (FT.)
D_O = OUTSIDE DIAMETER OF PIPE
MAX. = MAXIMUM
MIN. = MINIMUM

= STRUCTURAL BACKFILL MATERIAL

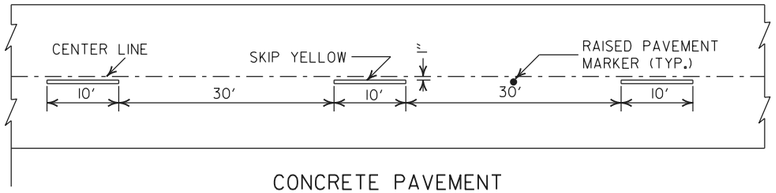
= UNDISTURBED SOIL

DATE	REVISION	DATE FILMED
02-27-20	REVISED	
11-07-19	ISSUED	

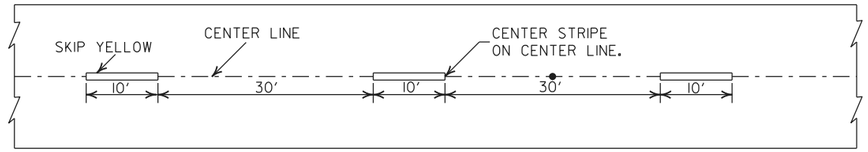
ARKANSAS STATE HIGHWAY COMMISSION

PLASTIC PIPE CULVERT (POLYPROPYLENE)

STANDARD DRAWING PCP-3



CONCRETE PAVEMENT

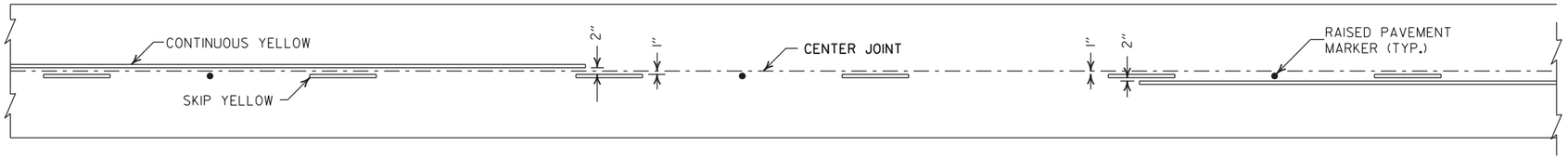


ASPHALT PAVEMENT

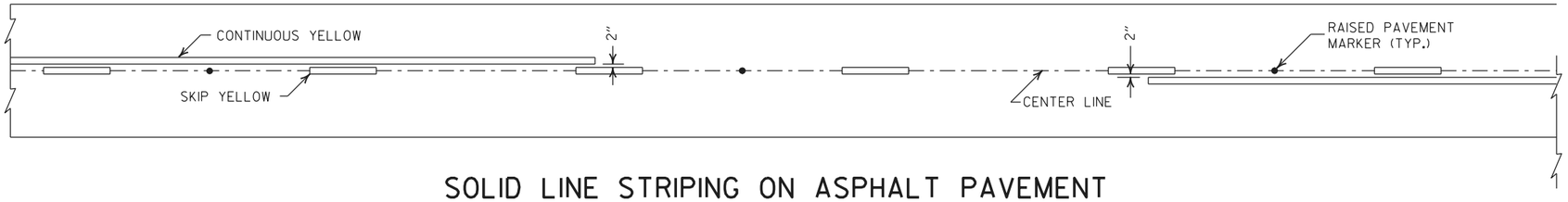
BROKEN LINE STRIPING

NOTES:

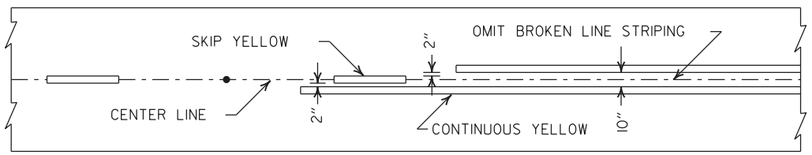
1. REFER TO THE STRIPING DETAILS FOR PAVEMENT MARKING LINE WIDTHS.
2. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH THE LATEST REVISED ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
3. RAISED PAVEMENT MARKERS SHALL BE PLACED ON AN 80 FEET SPACING UNLESS OTHERWISE SHOWN IN THE PLANS.



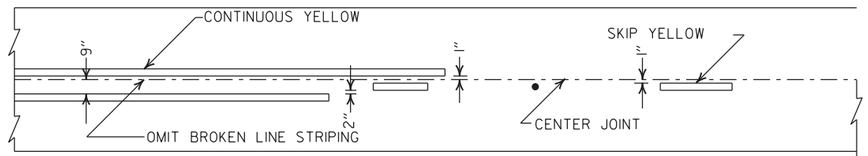
SOLID LINE STRIPING ON CONCRETE PAVEMENT



SOLID LINE STRIPING ON ASPHALT PAVEMENT

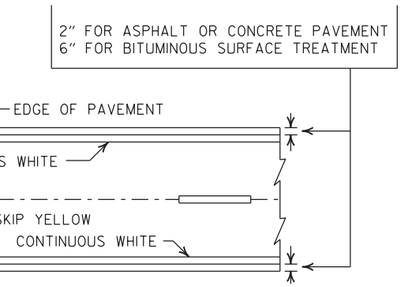


ASPHALT PAVEMENT

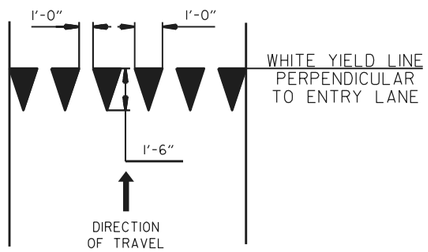


CONCRETE PAVEMENT

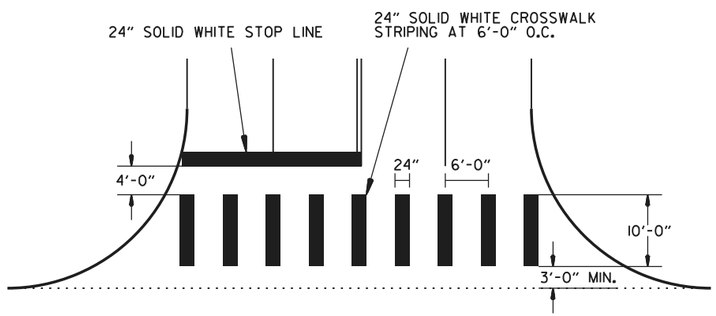
STRIPING AT ADJACENT NO PASSING LANES



PAVEMENT EDGE LINE MARKING



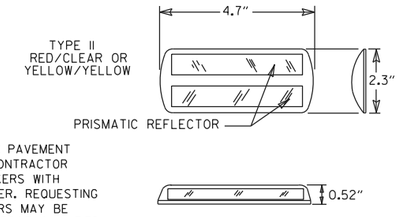
YIELD LINE DETAIL



CROSSWALK AND STOP LINE DETAILS

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

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



DETAIL OF STANDARD RAISED PAVEMENT MARKERS

DATE	REV	DESCRIPTION
04-09-26		REV. CROSSWALK & STOP LINE DETAILS
02-27-20		REV. STOP LINE DETAILS
06-01-17		ADDED YIELD LINE DETAIL
05-12-16		REVISED LINE WIDTHS, SPACING, & NOTES
09-12-13		REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS

ARKANSAS STATE HIGHWAY COMMISSION

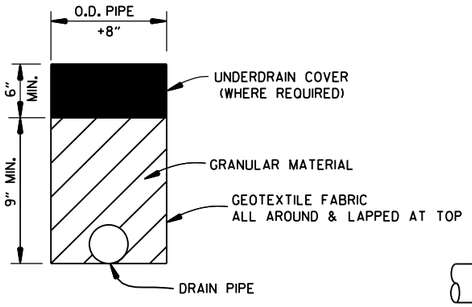
PAVEMENT MARKING DETAILS

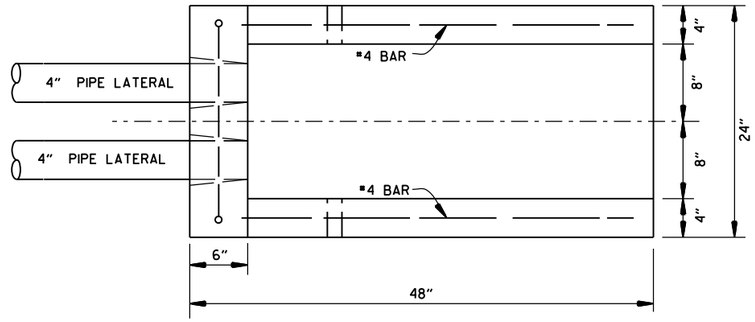
DATE EFFECTIVE 04-09-2026 | STANDARD DRAWING | PM-1

NOTE:

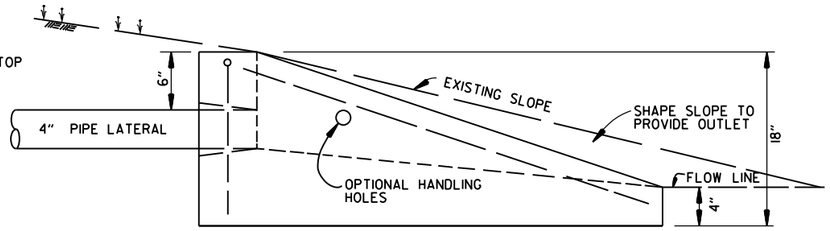
1. UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE UNDERDRAIN COVER SHALL BE THOROUGHLY COMPACTED EARTH AND SHALL BE SUBSIDIARY TO PIPE UNDERDRAIN.

2. GRANULAR MATERIAL SHALL BE WRAPPED WITH GEOTEXTILE FABRIC. LAP FABRIC 12" OR THE WIDTH OF THE TRENCH AT THE TOP.

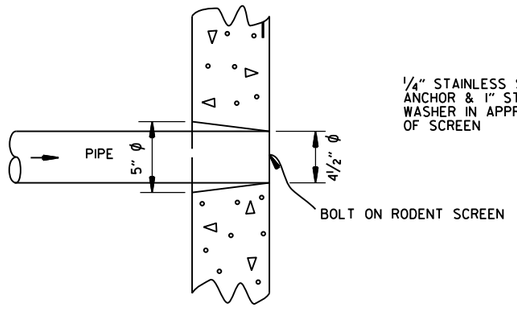




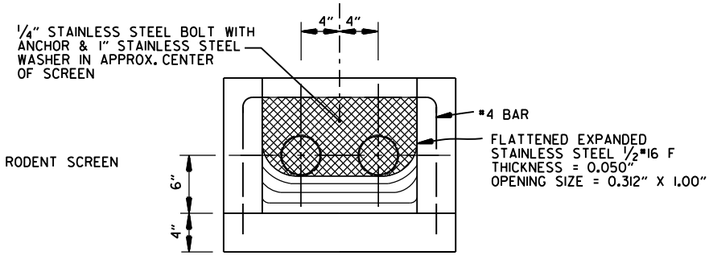
PLAN VIEW



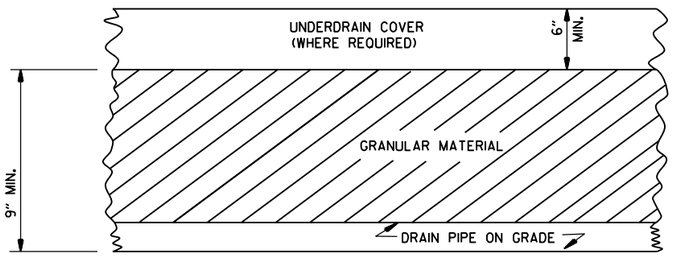
SIDE VIEW



DETAIL OF HOLE
FOR 4" PIPE



FRONT VIEW
(DETAIL OF RODENT SCREEN)



DETAILS OF PIPE UNDERDRAIN

NOTES FOR PIPE UNDERDRAINS

1. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF SECTION 625 FOR TYPE 1. PAYMENT FOR GEOTEXTILE FABRIC AND GRANULAR FILTER MATERIAL SHALL BE INCLUDED IN THE PRICE BID PER LIN. FT. FOR "4" PIPE UNDERDRAINS" IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

2. 4" NON-PERFORATED SCHEDULE 40 PVC PIPE LATERALS WITH OUTLET PROTECTORS SHALL BE INSTALLED AS SHOWN HEREON. LATERALS WILL BE MEASURED AND PAID FOR AS "4" PIPE UNDERDRAINS." UNDERDRAIN OUTLET PROTECTORS WILL BE MEASURED AND PAID FOR BY THE UNIT IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

3. EXISTING 4" PIPE UNDERDRAINS MAY BE CONNECTED TO PROPOSED DROP INLETS OR EXTENDED WHERE DIRECTED BY THE ENGINEER. PAYMENT FOR CONNECTING TO DROP INLETS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "4" PIPE UNDERDRAINS."

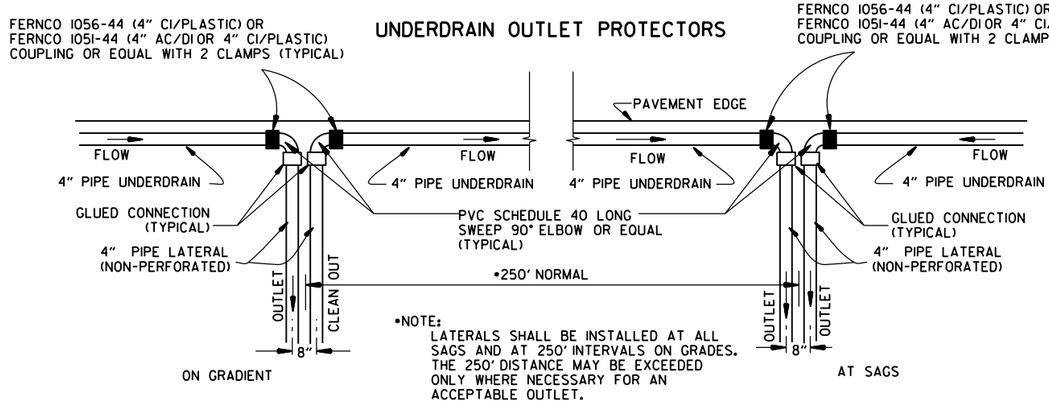
4. THE LOCATION OF ALL LATERALS SHALL BE MARKED WITH 4" X 12" PERMANENT PAVEMENT MARKING TAPE (TYPE III WHITE) AT THE OUTSIDE EDGE OF THE SHOULDER, PLACED TRANSVERSE TO TRAFFIC. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.

5. PAYMENT FOR THE RODENT SCREEN SHALL BE INCLUDED IN THE PRICE BID PER EACH FOR "UNDERDRAIN OUTLET PROTECTORS."

6. ANY EXISTING UNDERDRAINS THAT INTERFERE WITH INSTALLATION OF THE NEW UNDERDRAIN SYSTEM SHALL BE REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS. EXISTING UNDERDRAIN OUTLET PROTECTORS SHALL BE REMOVED UNDER THE ITEM "REMOVAL AND DISPOSAL OF UNDERDRAIN OUTLET PROTECTORS."

7. AT LOCATIONS WHERE A SINGLE LATERAL IS USED THE CONTRACTOR SHALL HAVE THE FOLLOWING OPTIONS: 1. INSTALL OUTLET PROTECTOR AS SHOWN ON STANDARD DRAWING PU-1 AND GROUT THE UNUSED HOLE OR 2. INSTALL AN OUTLET PROTECTOR WITH A SINGLE HOLE.

UNDERDRAIN OUTLET PROTECTORS



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.

DATE	REVISION	DATE FILMED
12-8-16	ADDED NOTES FOR PIPE UNDERDRAINS, REVISED RODENT SCREEN DETAIL AND NOTES, REMOVED NOTE 1 FOR GRANULAR MATERIAL, ADDED NOTE FOR GEOTEXTILE FABRIC	
4-10-03	REVISED NOTE 3	
1-12-00	REVISED DETAIL OF UNDERDRAIN LATERALS	
11-18-98	REVISED NOTE	
10-18-96	REVISED MIN. DEPTH & GEOTEXTILE FABRIC	
4-26-96	ADDED LATERAL NOTE; 5½" 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 POLYEDTHYLENE 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

ARKANSAS STATE HIGHWAY COMMISSION

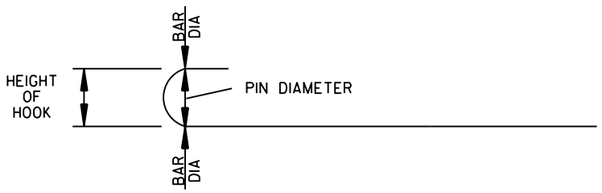
DETAILS OF PIPE UNDERDRAIN

STANDARD DRAWING PU-1

STEEL FABRICATION: REINFORCING STEEL FABRICATION SHALL CONFORM TO THE DIMENSIONS LISTED IN THE TABLE BELOW:

BAR SIZE	PIN DIAMETER	HOOK EXTENSION "K"
3	2¼"	4"
4	3 "	4½"
5	3¾"	5"
6	4½"	6"
7	5¼"	7"
8	6"	8"

IF THE OVERALL HEIGHT OF THE HOOK (SEE DIAGRAM BELOW) FOR A "b", "b1", "b2" or "b3" BENT BAR IS GREATER THAN THE CORRESPONDING TOP OR BOTTOM SLAB THICKNESS, LESS 2¾ INCHES, EACH BENT BAR SHALL BE REPLACED WITH ONE HOOKED BAR AND ONE STRAIGHT BAR, USING LENGTHS AS SHOWN IN THE TABLE BELOW. THE TWO BARS SHALL BE THE SAME DIAMETER AS, AND PLACED AT THE SAME SPACING AS, THE "b", "b1", "b2" OR "b3" BENT BARS THEY REPLACE.



NOTE: DIMENSIONS OF BARS ARE MEASURED OUT TO OUT OF BARS.

OVERALL HEIGHT OF HOOKED BAR DIAGRAM

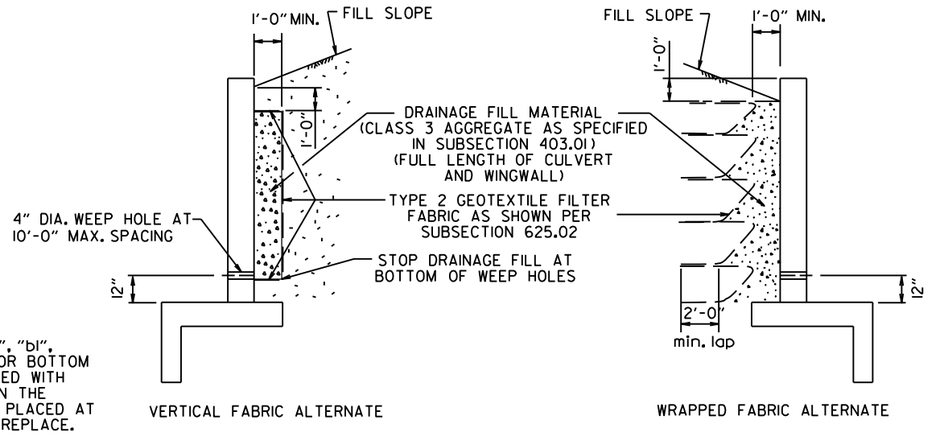
THE HOOKED BARS SHALL BE PLACED IN THE BOTTOM OF THE TOP SLAB AND THE TOP OF THE BOTTOM SLAB. THE STRAIGHT BARS SHALL BE PLACED IN THE TOP OF THE TOP SLAB AND THE BOTTOM OF THE BOTTOM SLAB. SEE TABLE BELOW FOR LENGTHS OF REPLACEMENT HOOKED AND STRAIGHT BARS.

FOR SKEWED CULVERTS, THE REPLACEMENT STRAIGHT BAR MAY HAVE TO BE CUT IN FIELD TO FIT.

REPLACEMENT BAR LENGTHS TABLE

BAR SIZE: "b", "b1", "b2" OR "b3"	LENGTH OF HOOKED BAR	LENGTH OF STRAIGHT BAR
#4	L + 1' - 0"	SEE "c" BAR LENGTH
#5	L + 1' - 2"	SEE "c" BAR LENGTH
#6	L + 1' - 4"	SEE "c" BAR LENGTH
#7	L + 1' - 8"	SEE "c" BAR LENGTH
#8	L + 1' - 10"	SEE "c" BAR LENGTH
#9	L + 2' - 6"	SEE "c" BAR LENGTH

L = "OW" - 3 INCHES



WINGWALL & CULVERT DRAINAGE DETAIL

REINFORCED CONCRETE BOX CULVERT GENERAL NOTES

CONCRETE SHALL BE CLASS S WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI.

REINFORCING STEEL SHALL BE AASHTO M 31 OR M 53, GRADE 60.

CONSTRUCTION AND MATERIALS FOR WINGWALL & CULVERT DRAINAGE, INCLUDING WEEP HOLES AND GRANULAR MATERIAL, SHALL BE SUBSIDIARY TO THE BID ITEM, "CLASS S CONCRETE".

MEMBRANE WATERPROOFING SHALL CONFORM TO THE REQUIREMENTS OF SECTION 815 OF THE STANDARD SPECIFICATIONS.

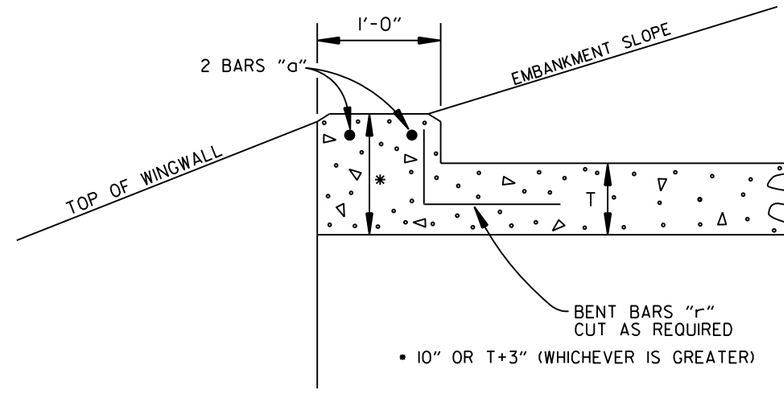
MEMBRANE WATERPROOFING SHALL BE APPLIED TO ALL CONSTRUCTION JOINTS IN THE TOP SLAB AND THE SIDEWALLS OF R.C. BOX CULVERTS AS DIRECTED BY THE ENGINEER. NO PAYMENT SHALL BE MADE FOR THIS ITEM, BUT PAYMENT WILL BE CONSIDERED TO BE INCLUDED IN THE VARIOUS ITEMS BID FOR THE R.C. BOX CULVERT.

REINFORCING STEEL TOLERANCES: THE TOLERANCES FOR REINFORCING STEEL SHALL MEET THOSE LISTED IN "MANUAL OF STANDARD PRACTICE" PUBLISHED BY CONCRETE REINFORCING STEEL INSTITUTE (CRSI) EXCEPT THAT THE TOLERANCE FOR TRUSS BARS SUCH AS FIGURE 3 ON PAGE 7-4 OF THE CRSI MANUAL SHALL BE MINUS ZERO TO PLUS ½ INCH.

WEEP HOLES IN BOX CULVERT WALLS SHALL HAVE A MAXIMUM HORIZONTAL SPACING OF 10'-0" AND SHALL BE SPACED TO CLEAR ALL REINFORCING STEEL. THE DRAIN OPENING SHALL BE 4" DIAMETER AND SHALL BE PLACED 12" ABOVE THE TOP OF THE BOTTOM SLAB.

WEEP HOLES IN WINGWALLS SHALL HAVE A MAXIMUM HORIZONTAL SPACING OF 10'-0" AND SHALL BE SPACED TO CLEAR ALL REINFORCING STEEL. THERE SHALL BE A MINIMUM OF TWO (2) WEEP HOLES IN EACH WINGWALL. THE DRAIN OPENING SHALL BE 4" DIAMETER AND SHALL BE PLACED 12" ABOVE THE TOP OF THE WINGWALL FOOTING.

THE REQUIREMENTS SHOWN ON THIS DRAWING SHALL SUPERCEDE THE CORRESPONDING REQUIREMENTS ON ALL REINFORCED CONCRETE BOX CULVERT STANDARD DRAWINGS.



NOTE: FOR ALL SKEWED R.C. BOX CULVERTS THE LENGTH "K" OF THE MODIFIED HEADWALL SHALL BE EQUAL TO THE ROADWAY LENGTH "RL". THE ENDS OF THE HEADWALL SHALL BE CONSTRUCTED PARALLEL TO THE SKEW ANGLE OF THE BOX CULVERT.

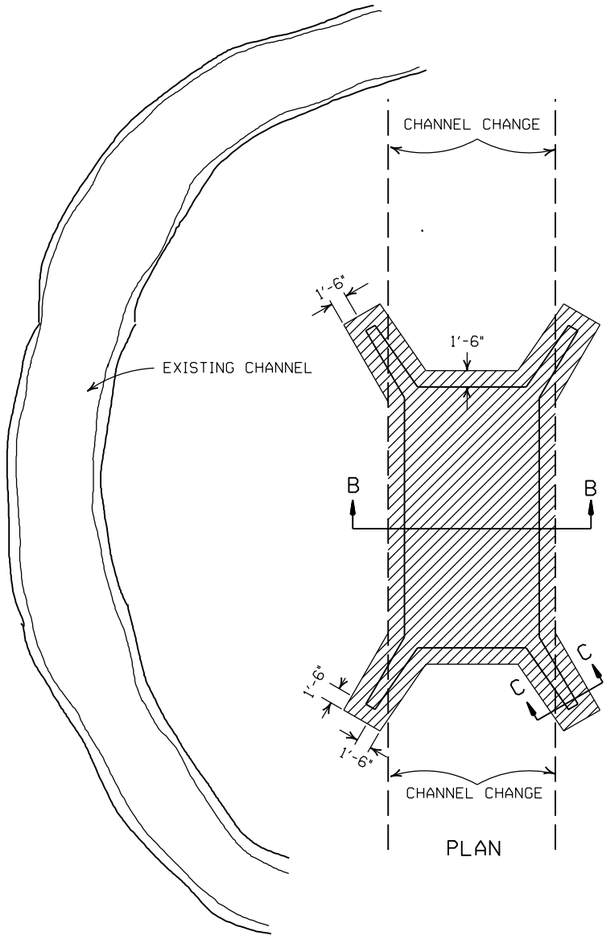
R.C. BOX CULVERT HEADWALL MODIFICATIONS

DATE	REVISION	DATE FILMED
7/26/12	REV. DRAINAGE FILL MATERIAL & DETAIL	
12/15/11	REQUIRE WEEP HOLES IN BOX CULVERT WALLS	
5-25-06	REV. GEN. NOTES AND DETAILS FOR WEEP HOLES; BAR DIAGRAM	
11-16-01	ADDED WINGWALL DRAINAGE DETAIL/EDITED GEN. NOTES	
10-18-96	REV. ASTM REF. TO AASHTO & ADDED BAR DIAGRAM	
10-12-95	MOVED SOLID SODDING DETAIL TO RCB-2	
6-2-94	ADDED SOLID SODDING PLAN DETAIL	
8-5-93	REVISED PIN DIAMETER TO SPECS.	
8-15-91	DRAWN AND ISSUED	

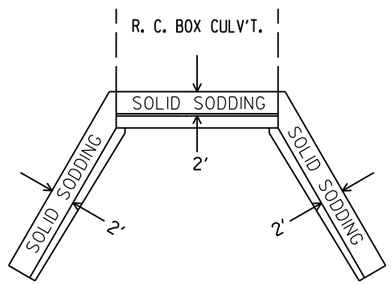
ARKANSAS STATE HIGHWAY COMMISSION

REINFORCED CONCRETE BOX CULVERT DETAILS

STANDARD DRAWING RCB-1



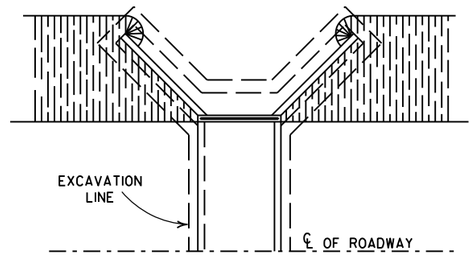
PLAN



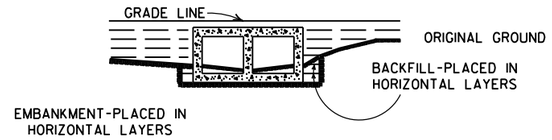
PLAN

PARTIAL SECTION SHOWING SOLID SODDING AT HEADWALLS AND WING WALLS

NOTE: LENGTH MEASURED ALONG THE CENTER OF 2' STRIP OF SOLID SODDING.

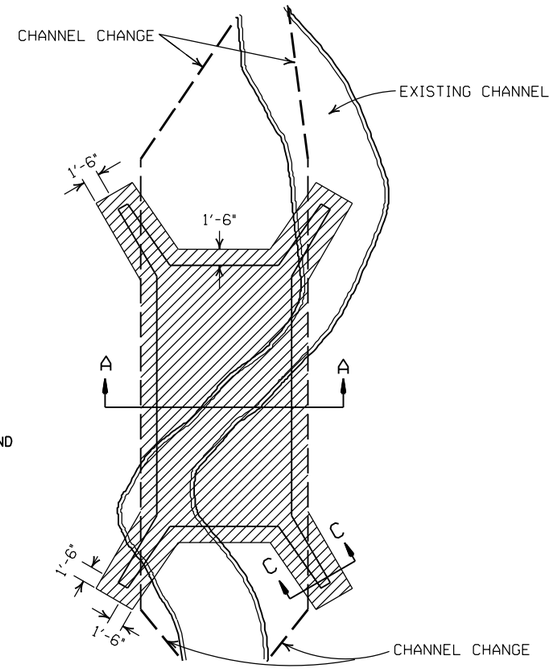


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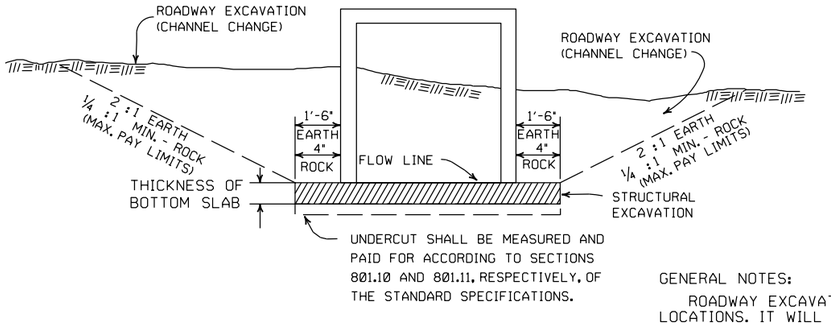


LONGITUDINAL SECTION

BACKFILL DETAILS FOR BOX CULVERT

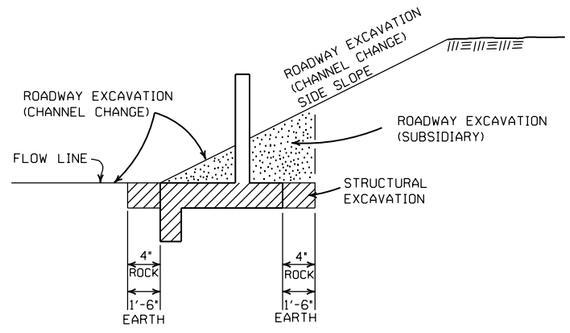


PLAN

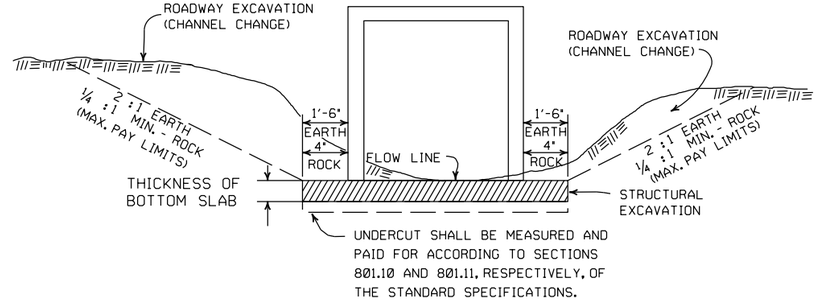


SECTION B-B

DETAILS FOR NEW CHANNELS



SECTION C-C



SECTION A-A

DETAILS THROUGH EXISTING CHANNELS

GENERAL NOTES:

ROADWAY EXCAVATION (CHANNEL CHANGE) WILL BE PAID FOR AT R.C. BOX CULVERT LOCATIONS. IT WILL BE PAID TO THE LIMITS ACTUALLY CUT AND WILL BE CONFINED TO THAT PORTION OF THE INDICATED AREA THAT IS ABOVE THE FLOW LINE. ROADWAY EXCAVATION (CHANNEL CHANGE) SHALL BE MEASURED BY CROSS SECTIONS AND VOLUMES COMPUTED BY AVERAGE END AREA METHOD. ALL CHANNEL CHANGES SHALL BE BROUGHT TO GRADE PRIOR TO MAKING ANY EXCAVATION FOR STRUCTURES.

EXCAVATION FOR STRUCTURES WILL BE PAID FOR AT ALL R.C. BOX CULVERT LOCATIONS. IT WILL BE PAID TO THE LIMITS SHOWN AND SHALL BE CONFINED TO THAT PORTION OF THE INDICATED AREA THAT IS BELOW THE CHANNEL FLOW LINE.

ROADWAY EXCAVATION SHOWN IN SECTION C-C ABOVE AS SUBSIDIARY WILL NOT BE MEASURED OR PAID FOR DIRECTLY, BUT PAYMENT WILL BE CONSIDERED TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION.

DATE	REVISION	FILMED
11-20-03	REVISED SECTION A-A NOTE	
8-22-02	REVISED SECTION B-B NOTE	
10-12-95	COMBINED 1891B AND 1888A	
1-4-83	REVISED GENERAL NOTES	674-1-4-83
	AND ADDED MAXIMUM PAY	
	LIMIT NOTES.	
2-2-76	EXCAV. PAY LIMITS	917-2-2-76
10-2-72	REVISED AND REDRAWN	564-10-16-72

ARKANSAS STATE HIGHWAY COMMISSION

EXCAVATION PAY LIMITS, BACKFILL, & SOLID SODDING FOR BOX CULVERTS

STANDARD DRAWING RCB-2

SUPERELEVATION TABLE FOR ONE - WAY TRAFFIC

DEGREE OF CURVE	30 MPH			35 MPH			40 MPH			45 MPH			50 MPH			55 MPH			60 MPH			65 MPH			70 MPH			75 MPH		
	e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)		e	Ls (FT)	
		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE		MINIMUM	DESIRABLE
0° 15'	NC			NC			NC			NC			NC			NC			NC			NC			NC			NC		
0° 30'	NC			NC			NC			NC			NC			NC			RC	115		RC	115		RC	115		0.022	121	
0° 45'	NC			NC			NC			NC			RC	115		RC	115		0.024	127		0.026	132		0.030	144		0.032	150	
1° 00'	NC			NC			NC			RC	108		0.022	121		0.026	132		0.030	144		0.034	156		0.038	167		0.042	179	350
1° 15'	NC			NC			RC	101		0.022	114		0.028	138		0.032	150		0.038	167		0.042	179		0.046	190	350	0.052	208	
1° 30'	NC			RC	94		0.022	106		0.028	130		0.032	150		0.038	167		0.044	185		0.050	202	350	0.056	218		0.062	236	
1° 45'	RC	86		RC	94		0.026	116		0.030	136		0.036	161		0.044	185		0.050	202	350	0.056	218		0.064	242		0.070	259	
2° 00'	RC	86		0.024	103		0.028	121		0.034	146		0.042	179		0.048	196		0.056	218		0.064	242		0.070	259		0.080	288	400
2° 15'	RC	86		0.026	108		0.032	131		0.038	157		0.046	190		0.054	214		0.062	236		0.070	259		0.078	282	400	0.088	311	
2° 30'	0.022	90		0.028	113		0.034	136		0.042	168		0.050	202		0.058	224	350	0.068	253		0.076	276		0.086	305		0.096	334	450
2° 45'	0.024	95		0.030	118		0.038	146		0.046	179		0.054	214		0.064	242		0.072	265		0.082	294		0.092	323		0.100	346	
3° 00'	0.026	100		0.034	126		0.040	151		0.050	190	300	0.058	224		0.068	253		0.078	282		0.088	311		0.098	340	450	D MAX = 2° 45'		
3° 15'	0.028	103		0.036	131		0.044	161		0.052	194		0.062	236		0.072	265		0.082	294		0.092	323		0.100	346				
3° 30'	0.030	108		0.038	136		0.046	167	250	0.056	205		0.066	247		0.076	276		0.086	305		0.096	334		D MAX = 3° 30'					
3° 45'	0.032	112		0.040	140		0.050	176		0.058	211		0.070	259		0.080	288		0.090	317		0.098	340							
4° 00'	0.034	116		0.042	145	250	0.052	181		0.062	222		0.072	265		0.084	300		0.094	329	400	0.100	346							
4° 15'	0.036	120		0.044	150		0.054	186		0.064	227		0.076	276		0.086	305		0.096	334		D MAX = 4° 15'								
4° 30'	0.036	120		0.046	155		0.056	192		0.068	238		0.078	282		0.090	317	400	0.098	340										
4° 45'	0.038	125		0.048	160		0.060	202		0.070	244		0.082	294		0.092	323		0.100	346										
5° 00'	0.040	130		0.050	164		0.062	206		0.072	248		0.084	300		0.094	329		D MAX = 5° 15'										
5° 30'	0.044	138		0.054	173		0.066	217		0.078	265		0.088	311		0.098	340												
6° 00'	0.046	143	250	0.058	182		0.070	227		0.082	276		0.092	323		0.100	346												
6° 30'	0.050	151		0.062	192		0.074	238		0.086	287		0.096	334	350	D MAX = 6° 30'													
7° 00'	0.052	156		0.064	197		0.078	247		0.090	298		0.098	340															
7° 30'	0.054	160		0.068	206		0.080	252		0.092	302	350	0.100	346															
8° 00'	0.058	168		0.070	211		0.084	263		0.094	308		D MAX = 8° 25'																
8° 30'	0.060	173		0.072	215		0.086	268	300	0.096	313																		
9° 00'	0.062	178		0.076	224		0.088	272		0.098	319																		
9° 30'	0.064	181		0.078	229		0.092	282		0.100	324																		
10° 00'	0.066	186		0.080	234		0.094	288		D MAX = 10° 30'																			
11° 00'	0.070	194		0.084	244		0.096	293																					
12° 00'	0.074	203		0.088	253	300	0.098	298																					
13° 00'	0.076	208		0.090	258		0.100	302	350																				
14° 00'	0.080	216		0.094	266		D MAX = 13° 45'																						
15° 00'	0.082	221		0.096	271																								
16° 00'	0.086	229		0.098	276																								
17° 00'	0.088	233		0.100	281																								
18° 00'	0.090	238		D MAX = 19° 30'																									
19° 00'	0.092	242																											
20° 00'	0.094	246																											
21° 00'	0.096	251	300																										
22° 00'	0.096	251																											
23° 00'	0.098	254																											
24° 00'	0.098	254																											
25° 00'	0.100	259																											
D MAX = 28° 30'																													

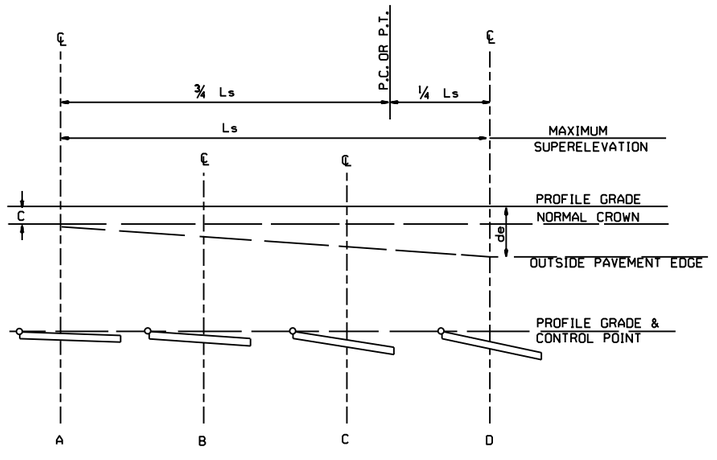
GENERAL NOTES

1. ON PAVEMENT WITH ONE-WAY TRAFFIC, THE SUPERELEVATION SHALL BE REVOLVED ON THE PROFILE GRADE POINT.
2. SUPERELEVATION VALUES SHOWN ON THE CROSS SECTIONS ARE VALUES (+) OR (-) TO BE ADDED OR SUBTRACTED FROM THE POINT OF CONTROL.
3. LENGTHS FOR Ls MAY BE ROUNDED IN MULTIPLES OF 25 FT. OR 50 FT. TO PERMIT SIMPLER CALCULATIONS.
4. MINIMUM Ls VALUES MAY BE USED FOR RAMPS; DESIRABLE VALUES SHALL APPLY TO MAIN LANES.
5. DIVIDED PAVEMENTS WIDER THAN 4 LANES SHALL HAVE ADDITIONAL TRANSITION LENGTHS AS FOLOWS:

6 LANE DIVIDED---------+20%
8 LANE DIVIDED---------+50%

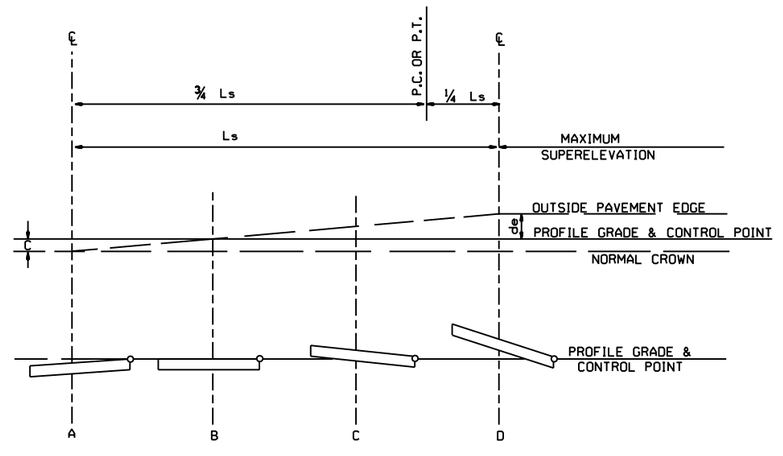
ABBREVIATIONS

NC - NORMAL CROWN
RC - REVERSE CROWN, SUPERELEVATION AT NORMAL CROWN SLOPE
S - SUPERELEVATION
L - DISTANCE FROM BEGINNING OF SUPERELEVATION TRANSITION TO ANY POINT (FT.)
d - WIDTH OF PAVEMENT
e - MAXIMUM RATE OF SUPERELEVATION (FT. PER FT.)
Ls - LENGTH OF SUPERELEVATION TRANSITION (FT.)
C - NORMAL CROWN (FT.)



ONE-WAY TRAFFIC
INSIDE LANE

SUPERELEVATION FORMULA = $S = -\frac{L(de-C)}{Ls} - C$



ONE-WAY TRAFFIC
OUTSIDE LANE

SUPERELEVATION FORMULA = $S = +\frac{L(de+C)}{Ls} - C$

DATE	REVISION	DATE FILLMED
11-07-19	REVISED SUPERELEVATION TABLE	
01-09-87	ISSUED	578-1-15-87

ARKANSAS STATE HIGHWAY COMMISSION

TABLES AND METHOD OF SUPERELEVATION FOR ONE-WAY TRAFFIC

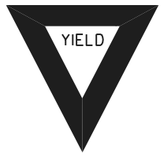
STANDARD DRAWING SE-1

R1-1



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

R1-2



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

R2-1



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

W3-5



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

W3-5a



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

R4-1



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

R4-2



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

R2-6aP



48"X36"

*USE 6" C LETTERS
**USE 4" D LETTERS

R5-1



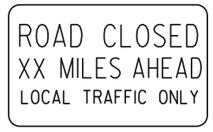
STD. 30"X30"
EXPWY. 36"X36"
SPECIAL 48"X48"

RII-2



48"X30"

RII-3A



60"X30"

RII-4



60"X30"

W21-5a



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

W1-1



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

W1-2



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

R2-11



36"X48"

W1-3



STD. 48"X48"

W1-4



STD. 48"X48"

W1-6



STD. 48"X24"
SPECIAL 60"X30"

W1-8



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

W3-1



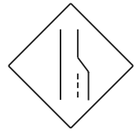
STD. 36"X36"
SPECIAL 48"X48"

W3-2



STD. 36"X36"
SPECIAL 48"X48"

W4-2



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

R56-1



STD. 18"X18"

W5-1



STD. 36"X36"
SPECIAL 48"X48"

W6-3



EXPWY. 36"X36"
SPECIAL 48"X48"

W8-7



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

W9-2



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

W13-1



STD. 24"X24"

W20-1



STD. 48"X48"

W20-2



STD. 48"X48"

W20-3



STD. 48"X48"

W20-4



STD. 48"X48"

W20-5



STD. 48"X48"

W20-7a



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

W21-2



STD. 30"X30"
SPECIAL 36"X36"

W21-5



STD. 30"X30"
SPECIAL 36"X36"

W24-1



STD. 36"X36"

W1-4b



STD. 48"X48"

W8-11



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

W8-9



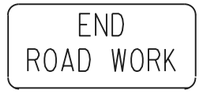
STD. 36"X36"
FWY. 48"X48"

G20-1



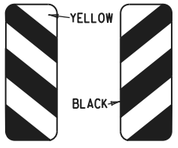
60"X24"

G20-2



48"X24"

OM-3L OM-3R



12"X36"

M4-9



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

M4-10



48"X18"

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

2. TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.

3. EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED.

4. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SQ. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE.

5. SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3.

6. POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE.

7. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS.

8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.

9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT. HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT.

10. R2-6aP PLAQUES SHALL BE MOUNTED BELOW AN APPLICABLE ADVANCE WARNING SIGN THAT IS LOCATED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE PLAQUE SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE W3-5 "REDUCED SPEED AHEAD" SIGN. R2-11 SIGNS SHALL BE INSTALLED AT OR NEAR THE DOWNSTREAM END OF THE WORK ZONE. SEE STANDARD DRAWINGS TC-2, TC-3, AND TC-6 FOR TYPICAL PLACEMENT LOCATIONS.

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

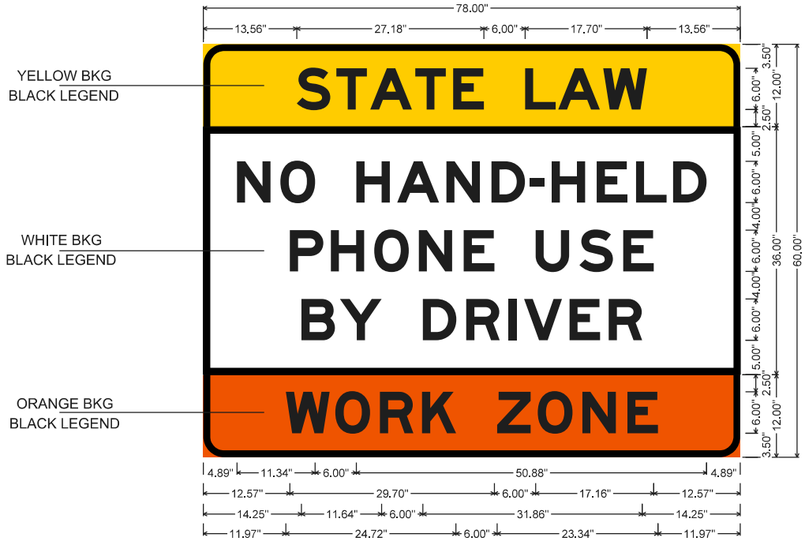
DATE REV	DESCRIPTION
08-14-25	REPLACED R55-1 WITH R2-6aP, ADDED R2-11 & REVISED NOTE 10
11-07-19	REVISED FOR MASH
04-13-17	DELETED RSP-1 & ADDED W21-5a
09-02-15	REVISED REDUCED SPEED LIMIT AHEAD SIGNS, REVISED ROAD WORK NEXT XX MILES
12-15-11	REVISED W24-1

ARDOT ARKANSAS DEPARTMENT OF TRANSPORTATION

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

DATE EFFECTIVE	STANDARD DRAWING	TC-1
08-14-2025		

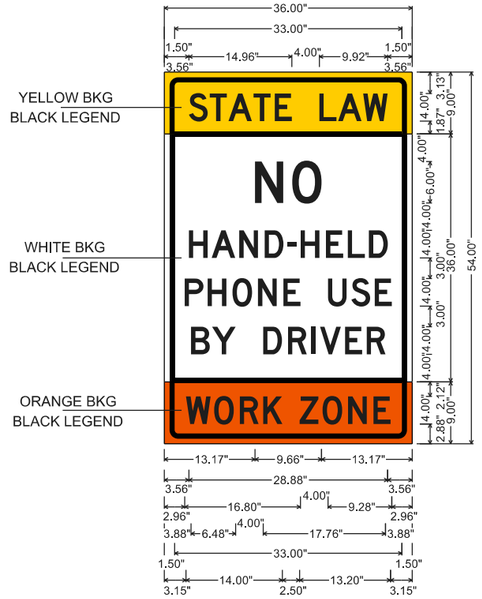


3.0" Radius, 1.0" Border, Black on Yellow;
"STATE LAW", E Mod 2K;

3.0" Radius, 1.0" Border, Black on White;
"NO HAND-HELD", E Mod 2K; "PHONE USE", E Mod 2K; "BY DRIVER", E Mod 2K;

3.0" Radius, 1.0" Border, Black on Orange;
"WORK ZONE", E Mod 2K;

WZ-4 (INTERSTATE) SIGN

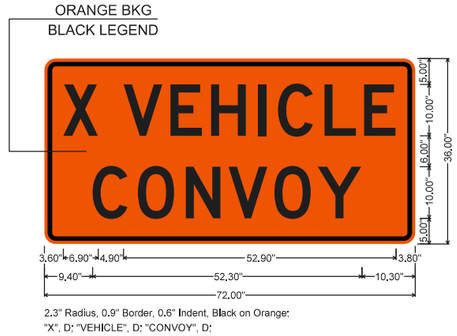


2.00" Radius, 0.75" Border, 0.75" Indent, Black on Yellow;
"STATE LAW", D 2K;

3.00" Radius, 0.75" Border, 0.75" Indent, Black on White;
"NO", D 2K; "HAND-HELD", D 2K;
"PHONE USE", D 2K;
"BY DRIVER", D 2K;

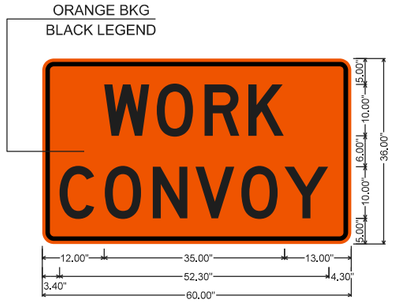
2.00" Radius, 0.75" Border, 0.75" Indent, Black on Orange;
"WORK", D 2K; "ZONE", D 2K;

WZ-4 (NON-INTERSTATE) SIGN



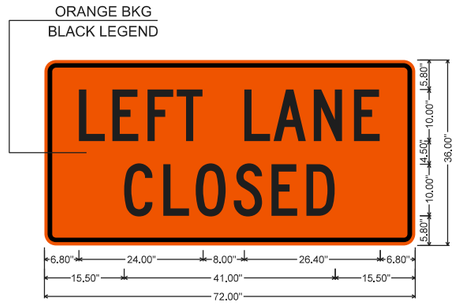
2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"X", D; "VEHICLE", D; "CONVOY", D;

WZ-2 SIGN



2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"WORK", D; "CONVOY", D;

WZ-3 SIGN



2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"LEFT LANE", C; "CLOSED", C;

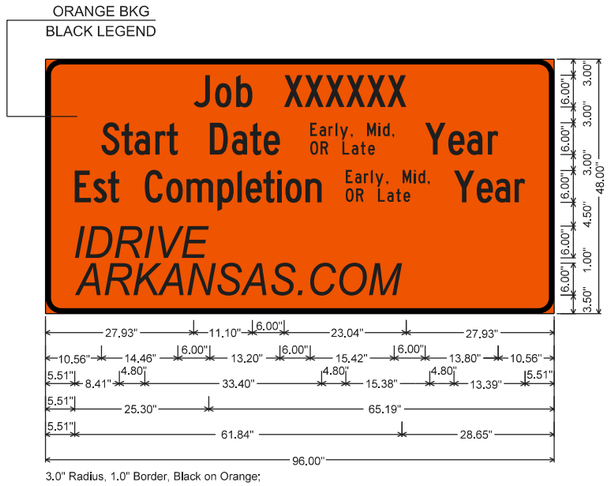
WZ-W20-5L SIGN



2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"RIGHT", C specified length; "LANE", C specified length;
"CLOSED", C specified length;

WZ-W20-5R SIGN

NOTE: REFER TO STANDARD DRAWING TC-1 FOR GENERAL NOTES.



3.0" Radius, 1.0" Border, Black on Orange;
"Job XXXXXX" C 2K; "Start Date Xxxx Year" C 2K;
"Est Completion Xxxx Year" C 2K 80% spacing;
"IDRIVE" Arial, Italic; "ARKANSAS.COM" Arial, Italic;

CONSTRUCTION PROJECT INFORMATION SIGN



WZ-1 (INTERSTATE) SIGN



2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"CENTER LANE", B 2K; "CLOSED", C;

WZ-W20-5C SIGN

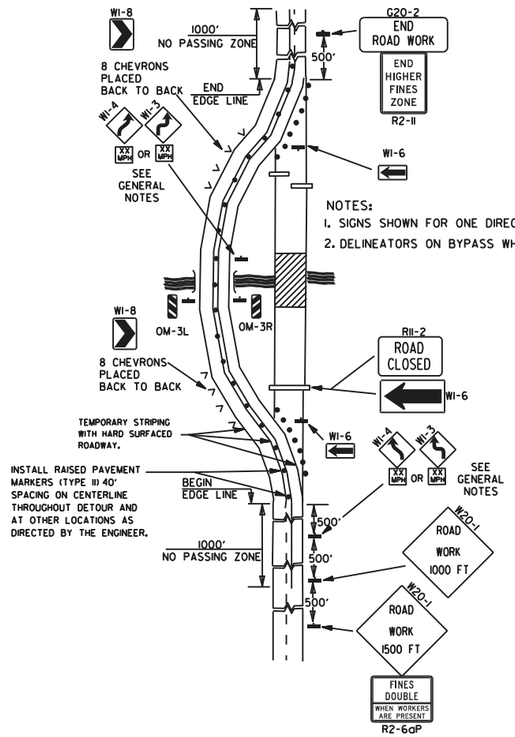
MOBILE WORK ZONE SIGNS

DATE REV	DESCRIPTION
04-09-26	ISSUED

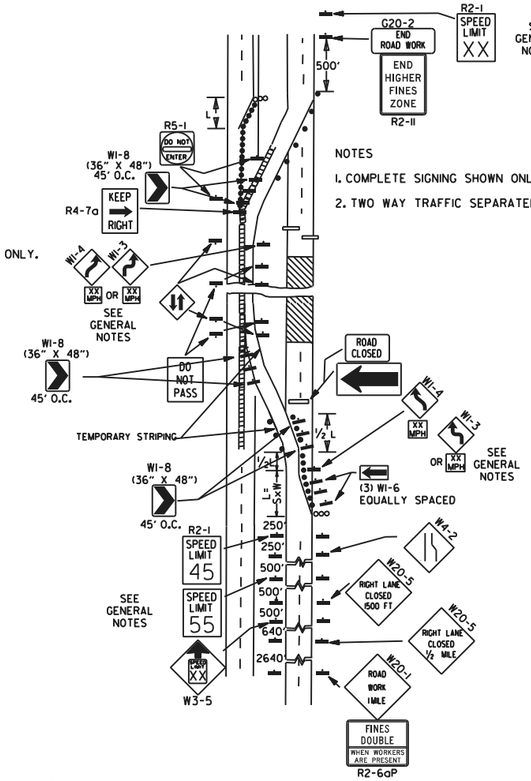
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

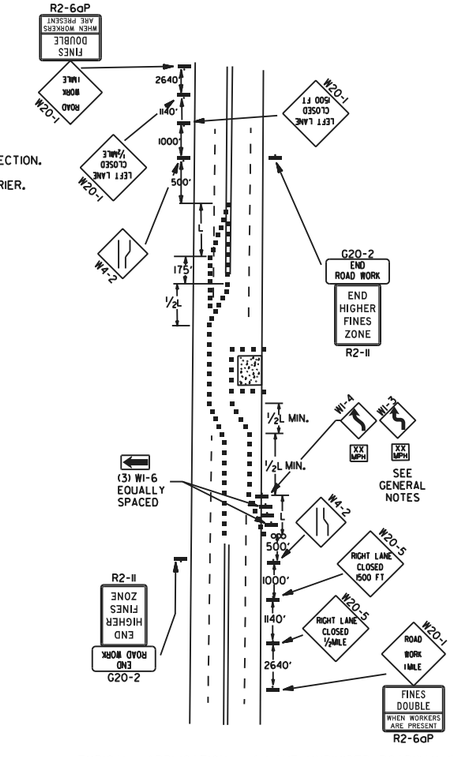
DATE EFFECTIVE	STANDARD DRAWING	TC-1A
04-09-2026		



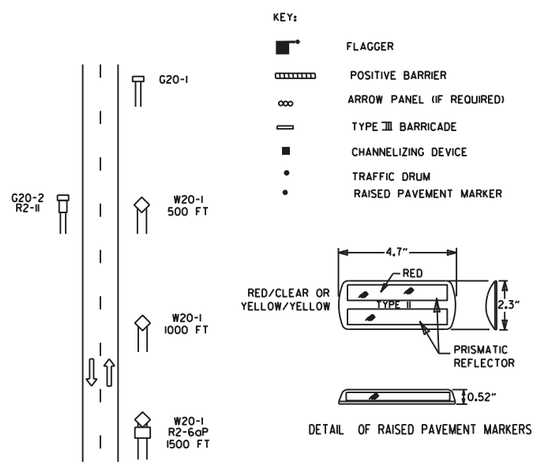
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



(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.



TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:

L=SXW FOR SPEEDS OF 45MPH OR MORE.

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

WHERE:

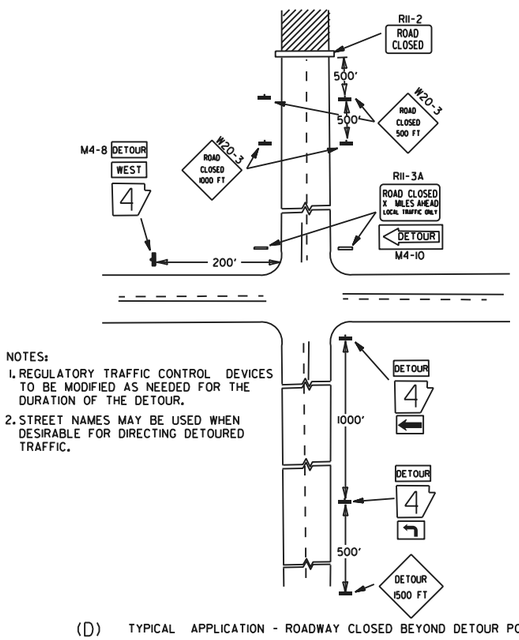
L= MINIMUM LENGTH OF TAPER.

S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.

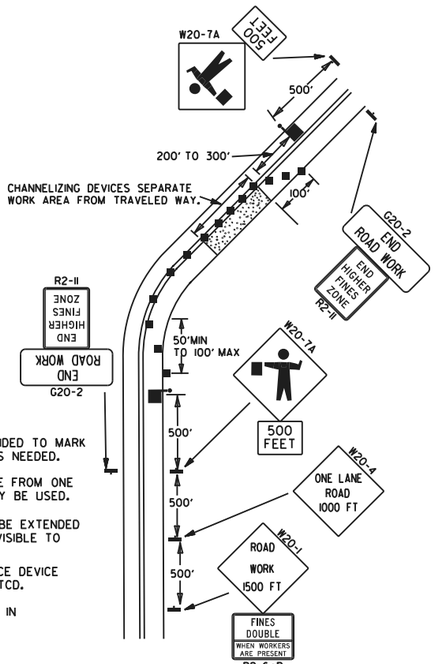
W= WIDTH OF OFFSET.

GENERAL NOTES:

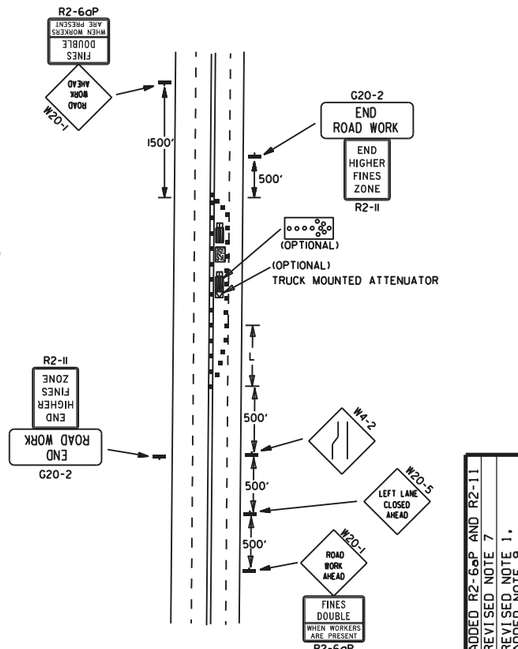
1. THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1 45MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-1 55MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER. WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
8. DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.
9. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).



(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.



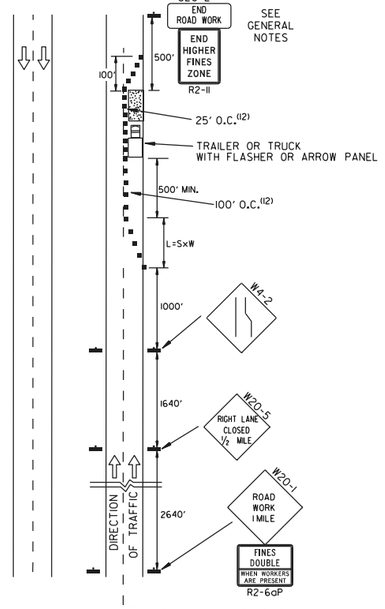
(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

DATE REV	DESCRIPTION
08-14-25	ADDED R2-6aP AND R2-11
05-20-21	REVISED NOTE 7
11-07-19	REVISED NOTE 1. ADDED NOTE 9
09-02-15	REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (AT & REPLACED R2-5A WITH W3-5
09-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKINGS

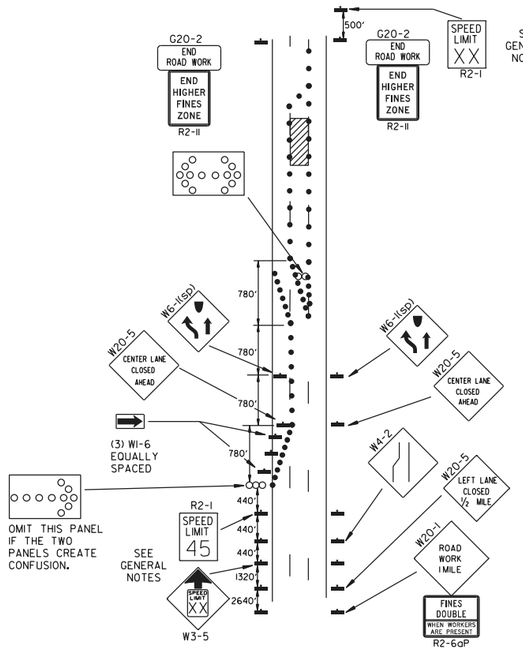
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

DATE EFFECTIVE	STANDARD DRAWING	TC-2
08-14-2025		



(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:

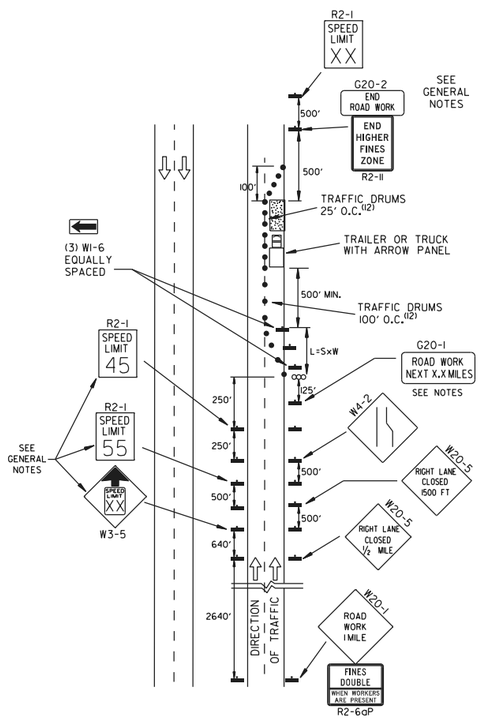
○○○ ARROW PANEL (IF REQUIRED)

■ CHANNELIZING DEVICE

● TRAFFIC DRUM

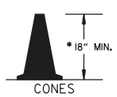
GENERAL NOTES:

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-I(55) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-I 45MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-I(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-I(45) SHALL BE OMITTED. ADDITIONAL R2-I 55MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-I(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. THE G20-1 SIGN SHOULD BE INSTALLED 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. THE DISTANCE DISPLAYED ON THE G20-1 SIGN SHALL BE STATED TO THE NEAREST WHOLE MILE.
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 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. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
11. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
12. ONLY WHERE SPACE RESTRICTIONS DO NOT ALLOW FOR TRAFFIC DRUMS, TUBULAR MARKERS MAY BE USED AT 50' O.C. IN STABILIZATION ZONES AND AT 10' O.C. DIRECTLY ADJACENT TO CONSTRUCTION OPERATIONS AND AT EXIT TAPERS. TUBULAR MARKERS SHALL BE STABILIZED WITH WEIGHTED BASES IN ACCORDANCE WITH THE M.U.T.C.D.

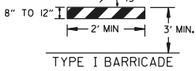


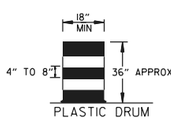
(C) TYPICAL APPLICATION - CONSTRUCTION OPERATIONS OF INTERMEDIATE TO LONG TERM DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

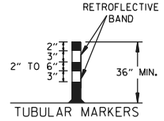
CHANNELIZING DEVICES

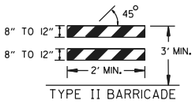


* WHEN CONES ARE USED ON FREEWAYS AND MULTI-LANE HIGHWAYS, THEY SHALL BE 28" MIN. DURING HOURS OF DARKNESS, 28" CONES SHALL BE USED ON ALL ROADWAYS, AND SHALL BE REFLECTORIZED IN ACCORDANCE WITH THE M.U.T.C.D.



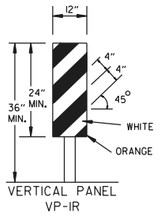


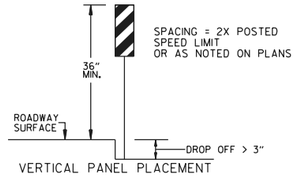


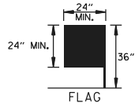




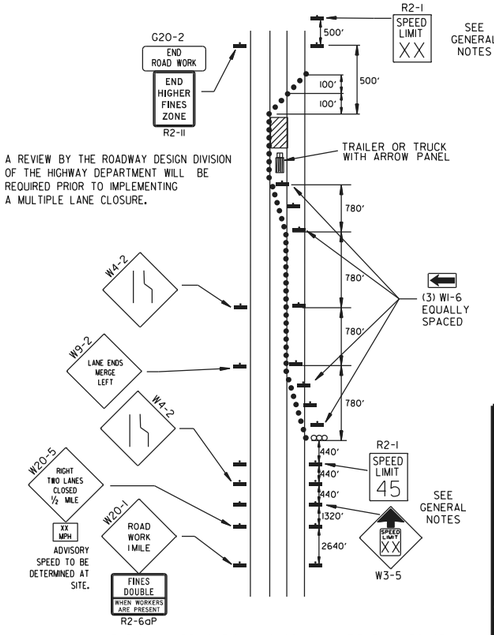
NOTE:
FOR ALL ROAD CLOSURES, THE TYPE III BARRICADES SHALL BE OF SUFFICIENT LENGTH TO EXTEND ACROSS ENTIRE ROADWAY.







FLAG SHALL BE OF GOOD GRADE RED MATERIAL



(D) TYPICAL APPLICATION - CLOSING MULTIPLE LANES OF A MULTILANE HIGHWAY.

TRAFFIC CONTROL DEVICES

NON-INTERSTATE

VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL ≤ 45 MPH	TRAFFIC CONTROL > 45 MPH
≤ 1"	CENTERLINE	W8-11	W8-11
> 1" ≤ 3"	CENTERLINE	W8-11 AND CENTERLINE LANE STRIPING	W8-11 AND CENTERLINE LANE STRIPING
> 3"	CENTERLINE	STANDARD LANE CLOSURE(6)	STANDARD LANE CLOSURE(6)
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9 AND TRAFFIC DRUMS(1)	W8-9 AND TRAFFIC DRUMS(1)
> 3" ≤ 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)
> 6" ≤ 18"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 18" ≤ 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)	A STABILIZED WEDGE, W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(3)
> 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER(4) & EDGE LINES	PRECAST CONCRETE BARRIER(4) & EDGE LINES

INTERSTATE

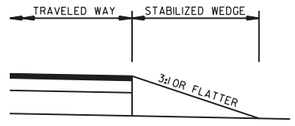
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL
≤ 3"	CENTERLINE	W8-11 AND LANE STRIPING
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 3" ≤ 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER & EDGE LINES

INTERSTATE AND NON-INTERSTATE

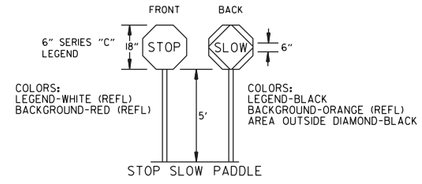
FORESLOPE	HEIGHT	TRAFFIC CONTROL
1:1	> 2 FT	PRECAST CONCRETE BARRIER
2:1	≤ 5 FT	TRAFFIC DRUMS
2:1	> 5 FT	PRECAST CONCRETE BARRIER
Flatter than 2:1	N/A	TRAFFIC DRUMS

GENERAL NOTES:

1. WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED.
2. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED.
3. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS, IF AND WHERE DIRECTED BY THE ENGINEER.
4. A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS CAN BE USED IN LIEU OF PRECAST CONCRETE BARRIER WALL, IF AND WHERE DIRECTED BY THE ENGINEER.
5. W21-5, W21-5a, AND/OR W21-5b SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSTRUCTED IF AND WHERE DIRECTED BY THE ENGINEER.
6. TIME LIMITATIONS MUST CONFORM TO SECTION 603 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).



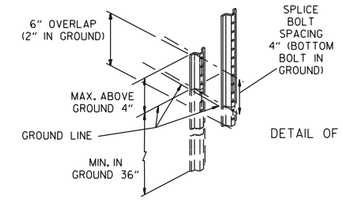
NOTE:
MATERIALS FOR THE STABILIZED WEDGE SHALL MEET THE REQUIREMENTS PROVIDED IN SECTION 603.02 OF THE STANDARD SPECIFICATIONS.

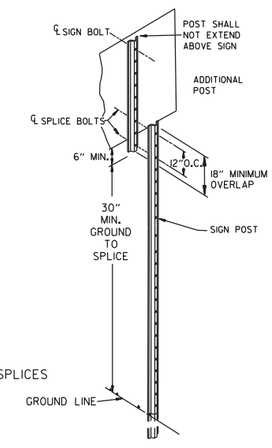


NOTES:
USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-2)

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

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





DATE REV	DESCRIPTION
08-14-25	ADDED R2-6aP AND R2-11
05-22-25	REVISED TRAFFIC CONTROL DEVICES AND NOTES. ADDED NOTE 12.
08-12-21	REVISED TRAFFIC CONTROL DEVICES AND NOTES
05-20-21	REVISED NOTE 10
02-27-20	REVISED TRAFFIC CONTROL DEVICES DETAILS

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

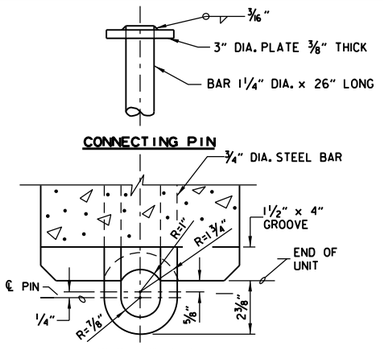
DATE EFFECTIVE 08-14-2025

STANDARD DRAWING

TC-3

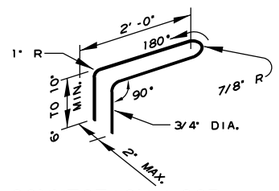
REINFORCING BAR TABLE PER BARRIER UNIT

MARK	LOCATION	BAR SIZE	(NO. BARS)	SKETCH
H-1	HORIZONTAL IN BARRIER TIED INSIDE V-1 BARS	#5	(6)	19'-3"
H-2	CENTERED ABOVE DRAIN SLOTS LONG. & TRANSVERSELY	#5	(6)	6'-6"
H-3	TIED ABOVE H-1 BARS TO SUPPORT H-2, TIED TO V-1	#4	(2)	1'-6"
S-1	OVER LIFT HOLES	#4	(2)	2'-5", LIFTING HOLE, 90°, 3 3/8" R
S-2	HORIZ. AROUND SLOTS BETWEEN V-1'S @ DRAIN SLOTS	#4	(2)	1 1/2" R, SLOTS, 7", 1'-6", 1" MIN. CLEAR TO BAR; 5'-1" BAR W/(4) 1 1/2" R BENDS & MIN. 1'-0" OVERLAP
V-1	VERTICAL IN BARRIER(3) EACH END & (2) AT EACH DRAIN SLOTS	#5	(16)	TOTAL LENGTH 4'-9"; 2 3/16" R; 12°; 1 1/2"; 9"; 2'-1 3/8"; 4 3/8"

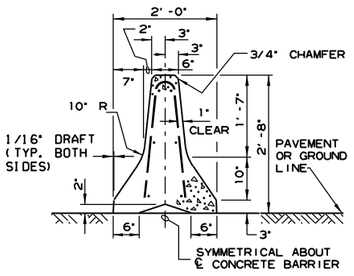


SECTION E-E

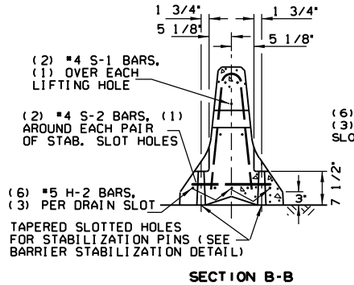
CONNECTION DETAILS



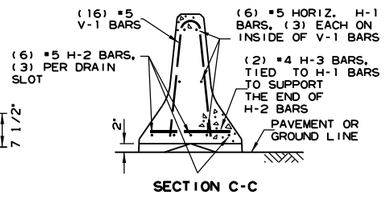
CONNECTION LOOP



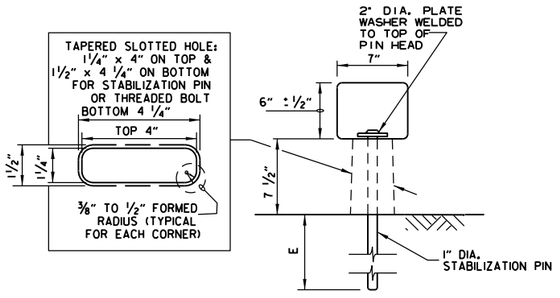
SECTION A-A



SECTION B-B



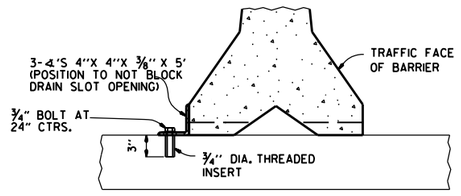
SECTION C-C



BARRIER STABILIZATION DETAIL

ROADWAY SECTION

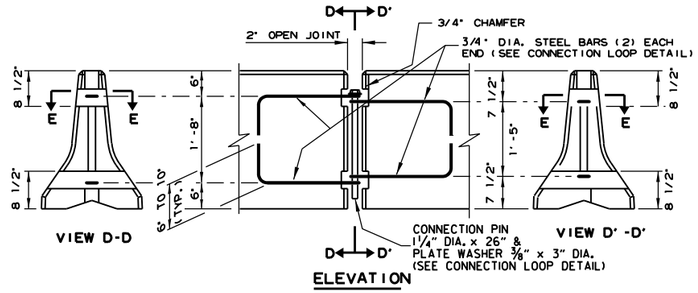
(E) 4" - CONCRETE PAVEMENT
8" - ASPHALT PAVEMENT
12" - SHOULDER AREAS



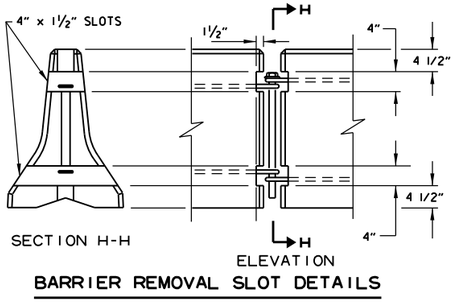
NOTE: " THREADED INSERTS SHALL BE CAST IN PLACE FOR ALL NEW BRIDGE DECKS AND DRILLED AND GROUTED FOR EXISTING BRIDGE DECKS. INSERTS SHALL HAVE A MINIMUM ULTIMATE LOAD CAPACITY OF 8000 LBS. IN TENSION. AFTER REMOVAL OF BARRIER, BOLTS, AND ANGLES, THE INSERTS SHALL BE FILLED WITH APPROVED NON-SHRINK EPOXY.

BARRIER STABILIZATION DETAIL

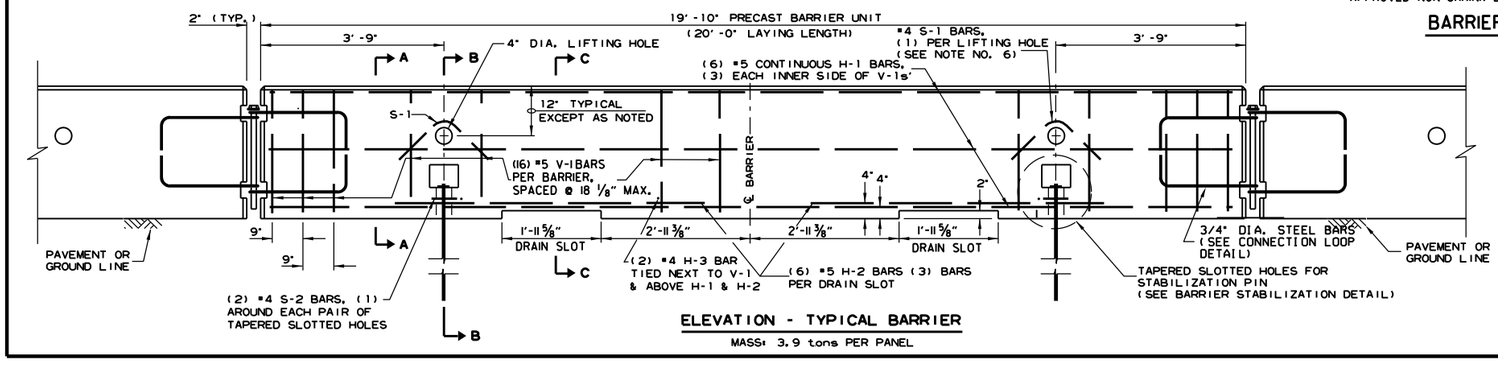
BRIDGE DECKS



ELEVATION



BARRIER REMOVAL SLOT DETAILS



ELEVATION - TYPICAL BARRIER

MASS: 3.9 tons PER PANEL

GENERAL NOTES

(1) THE CONTRACTOR SHALL FURNISH THE PRECAST CONCRETE BARRIER UNITS AND SHALL BE RESPONSIBLE FOR THE MANUFACTURE, SHIPMENT, STORAGE, PLACEMENT AND REMOVAL. AT THE COMPLETION OF THE PROJECT, THE PRECAST UNITS WILL REMAIN THE PROPERTY OF THE CONTRACTOR.

(2) MATERIALS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
CONCRETE: 2500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
REINFORCING STEEL: AASHTO M 31 OR M 53, GRADE 60
STRUCTURAL STEEL: AASHTO-M270 GRADE 36 SHALL BE USED FOR THE CONNECTION PIN, CONNECTION LOOPS, AND STABILIZATION PINS. A ONE PIECE PIN WITH A 3" ROUNDED TOP MAY BE USED IN PLACE OF THE DETAILED CONNECTION PIN.
DELINEATORS: DELINEATORS SHALL BE MOUNTED AT 10' SPACING ON TOP OF PRECAST BARRIER.

IN APPLICATIONS WHERE BARRIER WALL IS WITHIN 6 FEET OF A TRAFFIC LANE, ADDITIONAL DELINEATORS SHALL BE PLACED ON THE BARRIER AT 10' SPACING APPROXIMATELY ONE (1) FOOT FROM THE TOP OF THE BARRIER. DELINEATORS SHALL BE ON THE ARDOT QUALIFIED PRODUCTS LIST FOR CONSTRUCTION CONCRETE BARRIER MARKERS.
DELINEATOR COLOR SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
PAYMENT FOR DELINEATORS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID PER LIN. FT. FOR "FURNISHING AND INSTALLING PRECAST CONCRETE BARRIER". THE CONTRACTOR SHALL CERTIFY TO THE ENGINEER THAT THE MATERIAL AND THE DESIGN USED IN THE PRECAST BARRIER UNITS MEETS THE REQUIREMENTS AS SHOWN ON THIS STANDARD DRAWING.

(3) OTHER PRECAST CONCRETE BARRIERS THAT HAVE BEEN CRASH TESTED AND APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION TO MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) WILL BE ACCEPTED IN LIEU OF THE BARRIER SHOWN. DRAIN SLOTS SHALL BE PROVIDED AS NEEDED OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH A CERTIFICATION OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) COMPLIANCE FOR ANY OTHER TYPES OF PRECAST BARRIER TO BE USED. THE CERTIFICATION SHALL STATE THAT THE PRECAST CONCRETE BARRIER MEETS THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). MIXING OF SHAPES WILL NOT BE ALLOWED IN A CONTINUOUS LINE OF UNITS.

(4) DOWEL HOLES IN PAVEMENT OR BRIDGE SLABS THAT ARE TO REMAIN IN PLACE SHALL BE FILLED. HOLES IN CONCRETE PAVEMENT AND BRIDGE SLABS SHALL BE FILLED WITH AN APPROVED NON-SHRINK EPOXY GROUT. HOLES IN ASPHALT PAVEMENT SHALL BE FILLED WITH AN APPROVED ASPHALT JOINT FILLER. PAYMENT FOR DRILLING AND FILLING HOLES TO BE INCLUDED IN THE PRICE FOR VARIOUS BARRIER ITEMS.

(5) ATTACH UNITS TO ROADWAY SURFACE WITH STABILIZATION PINS AND TO DECK SLABS USING BOLTS WHEN REQUIRED.

(6) A 4" WHITE PVC SLEEVE MAY BE USED TO FORM THE LIFTING HOLE AND IF USED THE SLEEVE IS TO BE LEFT IN PLACE.

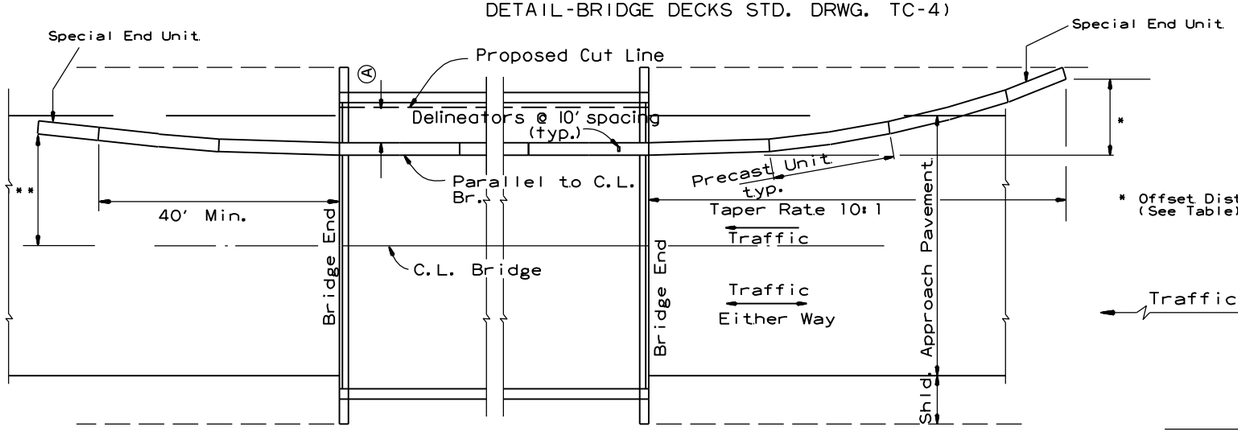
DATE	REVISION	FILMED
11-07-19	REVISED NOTE 3	
2-27-14	REVISED BARRIER STABILIZATION DETAIL	
10-15-09	ADDED REFERENCE TO WASH	
8-5-09	REV. NOTE 3 CONCERNING DRAIN SLOTS	
11-29-07	REVISED NOTE 3	
5-25-06	DELETED GENERAL NOTE 7	
11-18-04	REVISED BARRIER STABILIZATION DETAIL BRIDGE DECKS	
4-10-03	REVISED GENERAL NOTE 2	
8-22-02	ISSUED NEW DRAWING	

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER

STANDARD DRAWING TC-4

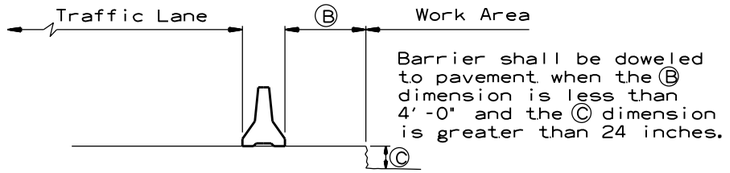
Ⓐ 4 feet or greater preferred. If less than 4 feet, Precast Units shall be connected to slab (SEE BARRIER STABILIZATION DETAIL-BRIDGE DECKS STD. DRWG. TC-4)



* Offset Distance (See Table)

BARRIER PLACEMENT ALONG BRIDGE WITH OFFSET

No Scale

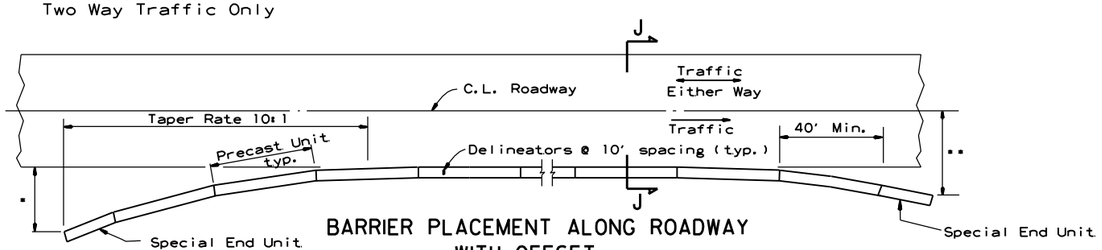


Barrier shall be doweled to pavement when the Ⓑ dimension is less than 4'-0" and the Ⓒ dimension is greater than 24 inches.

SECTION J-J

No Scale

** Offset Distance for Two Way Traffic Only



BARRIER PLACEMENT ALONG ROADWAY WITH OFFSET

No Scale

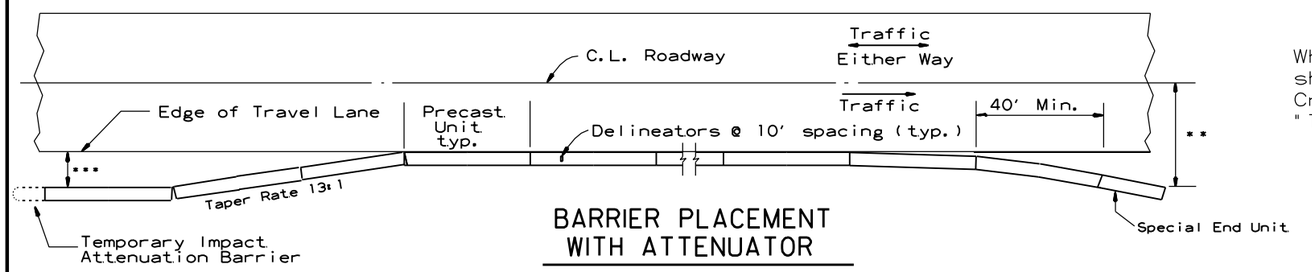
* Offset Distance (See Table)

** Offset Distance For Two Way Traffic Only

Offset Distance Table

Speed (MPH)	Offset Distance (FT.)
≤ 45	12
> 45	18

If offset distance is not attainable, then see "Barrier Placement With Attenuator" Detail shown below.

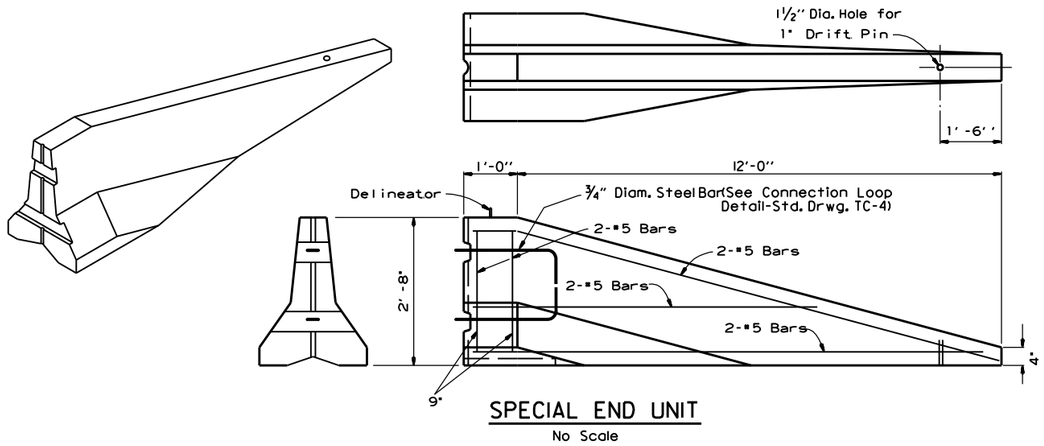


BARRIER PLACEMENT WITH ATTENUATOR

No Scale

** Offset Distance For Two Way Traffic Only

*** Min. 3'-0" From Edge of Travel Lane to Nearest Edge of Attenuator



SPECIAL END UNIT

No Scale

General Notes

When shown on the Plans, the ends of the Temporary Precast Concrete Barrier shall be protected with a Manual For Assessing Safety Hardware (MASH) approved Crash Cushion. Payment for Crash Cushions shall be made under the item of "Temporary Impact Attenuation Barrier."

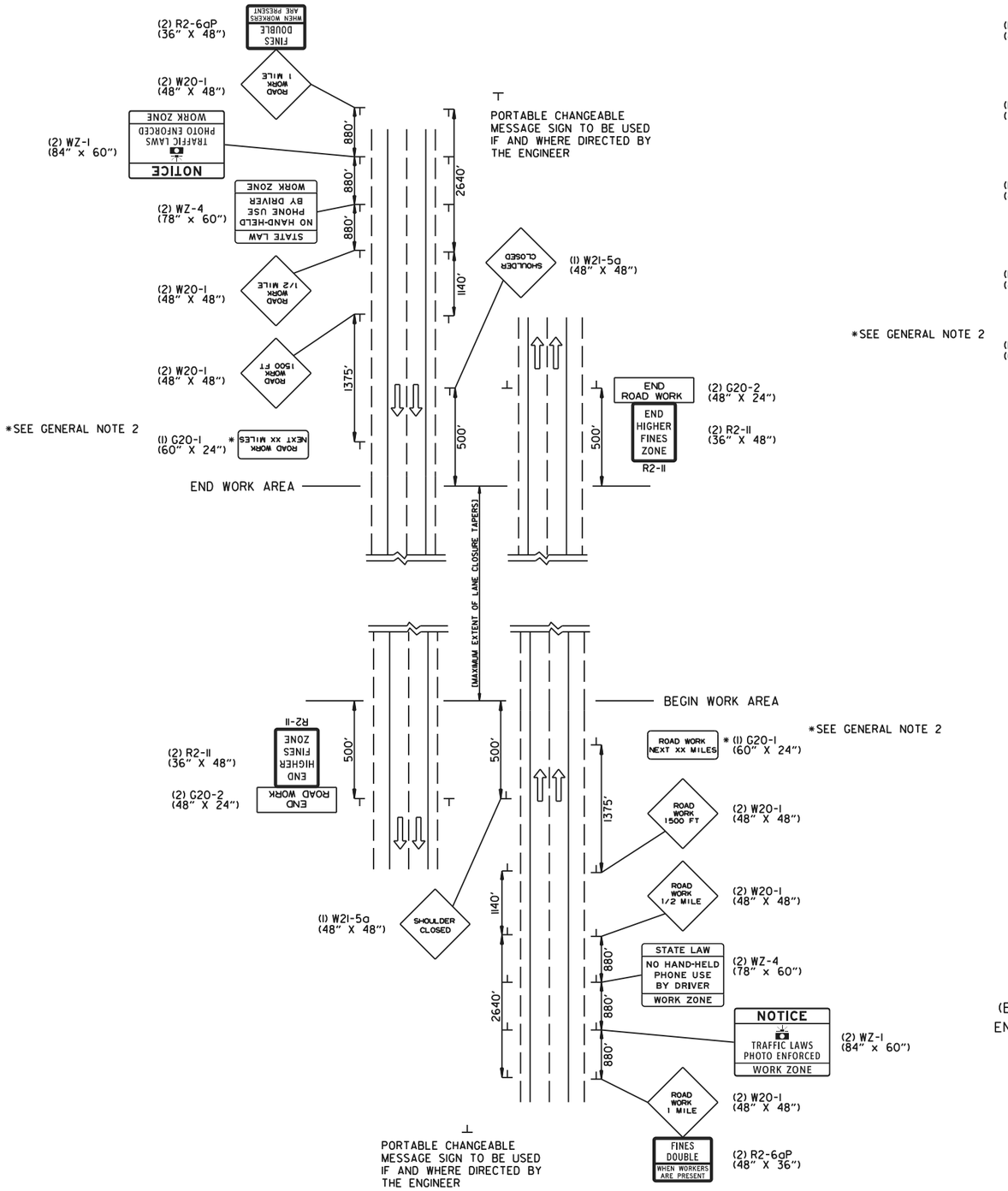
DATE	REVISION	FILMED
11-07-19	REVISED NOTE	
10-15-09	ADDED REFERENCE TO MASH	
5-25-06	REVISED BARRIER PLACEMENT	
8-22-02	ISSUED NEW DRAWING	

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER

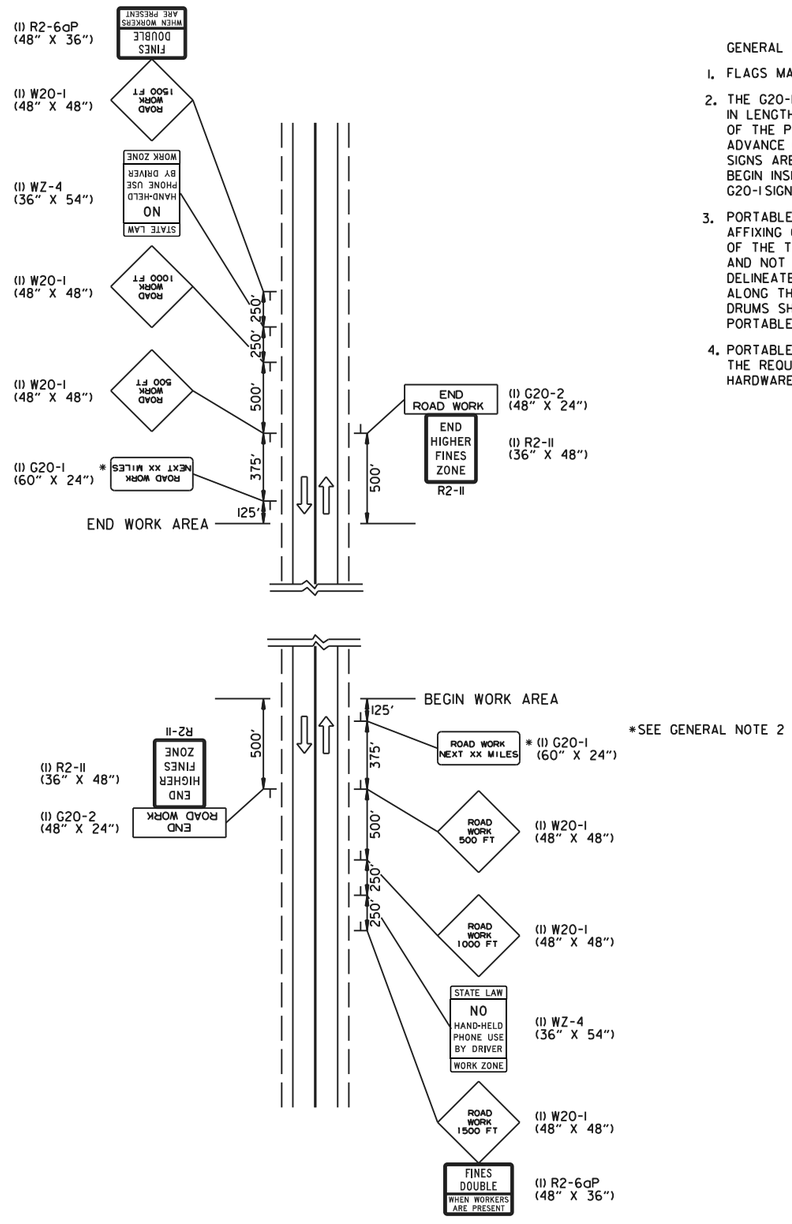
STANDARD DRAWING TC-5

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



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

(A) TYPICAL APPLICATION - ADVANCE WARNING SIGNS AT BEGINNING AND END OF JOB (FULLY CONTROLLED ACCESS FACILITIES) (ALL STAGES)



(B) TYPICAL APPLICATION - ADVANCE WARNING SIGNS AT BEGINNING AND END OF JOB (NON-FULLY CONTROLLED ACCESS FACILITIES) (ALL STAGES)

GENERAL NOTES:

1. FLAGS MAY BE MOUNTED TO SIGNS AT NIGHT AS NEEDED.
2. THE G20-1 SIGN SHOULD BE INSTALLED 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 OR 1500 FT) SIGNS ARE NOT REQUIRED IN ADVANCE OF LANE CLOSURES THAT BEGIN INSIDE THE PROJECT LIMITS. THE DISTANCE DISPLAYED ON THE G20-1 SIGN SHALL BE STATED TO THE NEAREST WHOLE MILE.
3. 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, THIS DEVICE SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR PORTABLE CHANGEABLE MESSAGE SIGNS.
4. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

DATE REV	DESCRIPTION
08-14-25	ISSUED
11-06-25	REPLACED "SPEED" WITH "TRAFFIC LAWS" ON WZ-1
01-22-26	ADDED WZ-4 AND REVISED GENERAL NOTE 1
04-09-26	CORRECTED WZ-4 SIGN DIMENSIONS

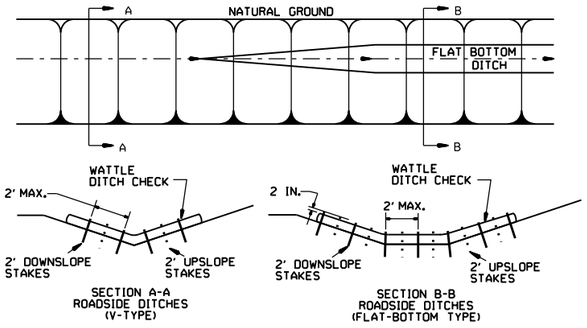
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

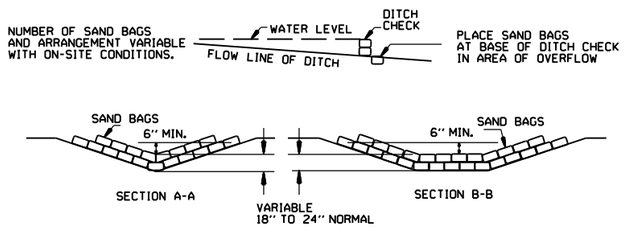
DATE EFFECTIVE	STANDARD DRAWING	TC-6
04-09-2026		

GENERAL NOTES

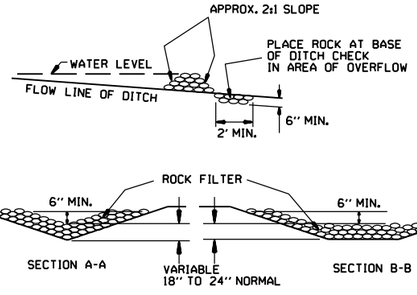
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.



WATTLE DITCH CHECK (E-1)



SAND BAG DITCH CHECK (E-5)

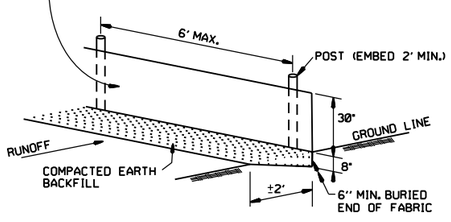


ROCK DITCH CHECK (E-6)

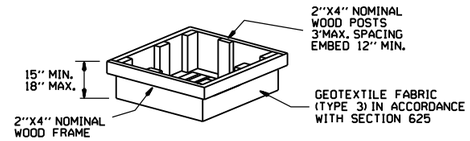
GENERAL NOTES

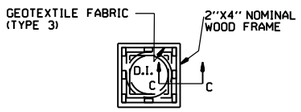
GEOTEXTILE FABRIC (TYPE 4) IN ACCORDANCE WITH SECTION 625

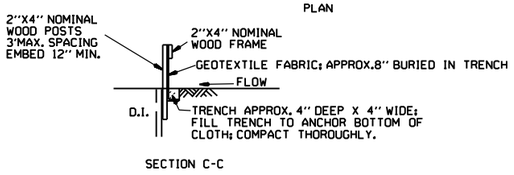
GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.



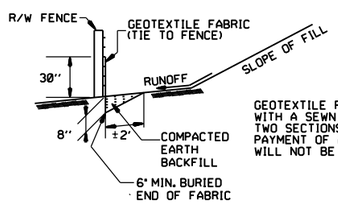
SILT FENCE (E-11)





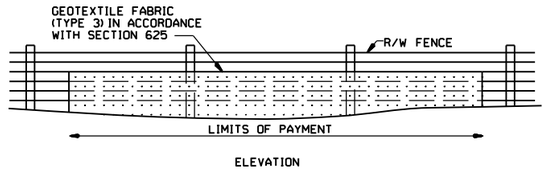


DROP INLET SILT FENCE (E-7)



GENERAL NOTES

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



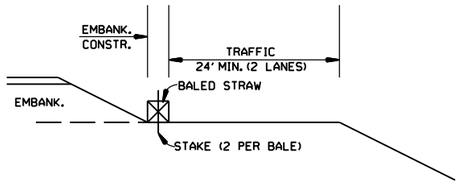
SILT FENCE ON R/W FENCE (E-4)

GENERAL NOTES

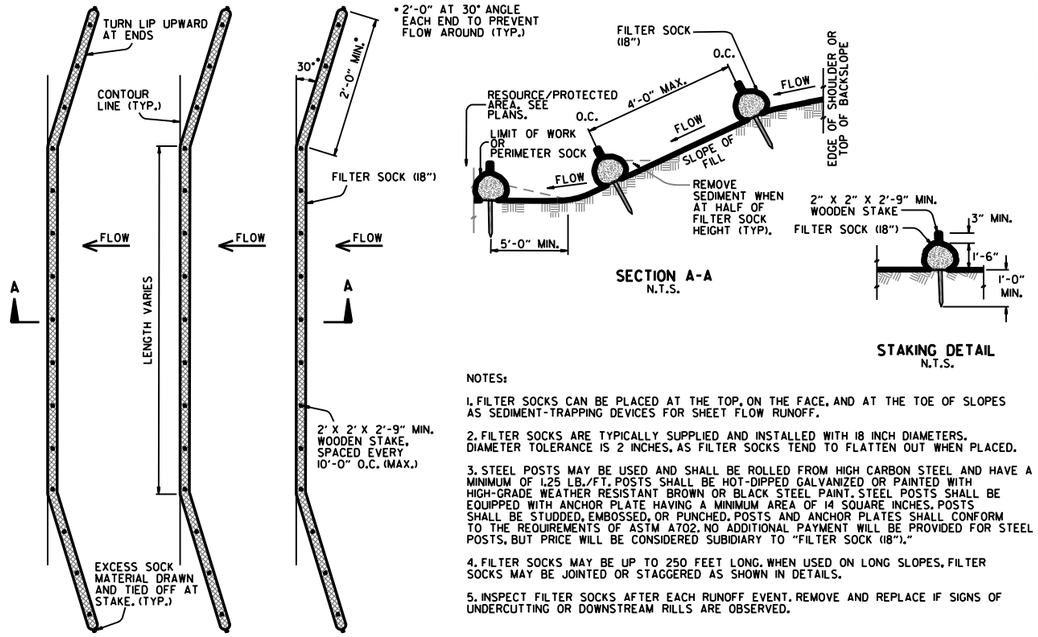
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.

2. NO GAPS SHALL BE LEFT BETWEEN BALES.

3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED BY THE BALE IN PLACE AS AUTHORIZED BY THE ENGINEER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER BALE FOR BALED STRAW DITCH CHECKS.



BALED STRAW FILTER BARRIER (E-2)



NOTES:

1. FILTER SOCKS CAN BE PLACED AT THE TOP, ON THE FACE, AND AT THE TOE OF SLOPES AS SEDIMENT-TRAPPING DEVICES FOR SHEET FLOW RUNOFF.

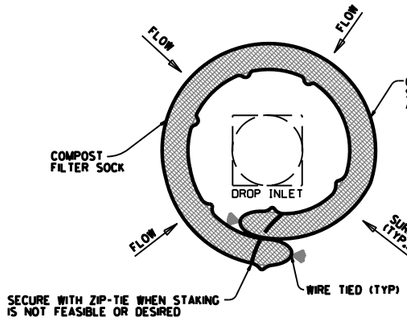
2. FILTER SOCKS ARE TYPICALLY SUPPLIED AND INSTALLED WITH 18 INCH DIAMETERS. DIAMETER TOLERANCE IS 2 INCHES, AS FILTER SOCKS TEND TO FLATTEN OUT WHEN PLACED.

3. STEEL POSTS MAY BE USED AND SHALL BE ROLLED FROM HIGH CARBON STEEL AND HAVE A MINIMUM OF 1.25 LB./FT. POSTS SHALL BE HOT-DIPPED GALVANIZED OR PAINTED WITH HIGH-GRADE WEATHER RESISTANT BROWN OR BLACK STEEL PAINT. STEEL POSTS SHALL BE EQUIPPED WITH ANCHOR PLATE HAVING A MINIMUM AREA OF 14 SQUARE INCHES. POSTS SHALL BE STUDDED, EMBOSSED, OR PUNCHED. POSTS AND ANCHOR PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A702. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR STEEL POSTS, BUT PRICE WILL BE CONSIDERED SUBIDIARY TO "FILTER SOCK (18")."

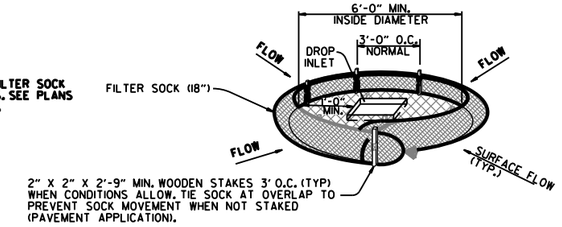
4. FILTER SOCKS MAY BE UP TO 250 FEET LONG. WHEN USED ON LONG SLOPES, FILTER SOCKS MAY BE JOINTED OR STAGGERED AS SHOWN IN DETAILS.

5. INSPECT FILTER SOCKS AFTER EACH RUNOFF EVENT. REMOVE AND REPLACE IF SIGNS OF UNDERCUTTING OR DOWNSTREAM RILLS ARE OBSERVED.

FILTER SOCK ALONG SLOPE (E-3)



DROP INLET PLAN VIEW
N.T.S.



DROP INLET PERSPECTIVE VIEW
N.T.S.

NOTES:

1. OVERLAP ENDS OF SOCK (1' MIN. 3' MAX.).

2. USE 18" DIA. SOCK IN NON-TRAFFIC AREAS OR AREAS WHERE SAFETY IS NOT A CONCERN.

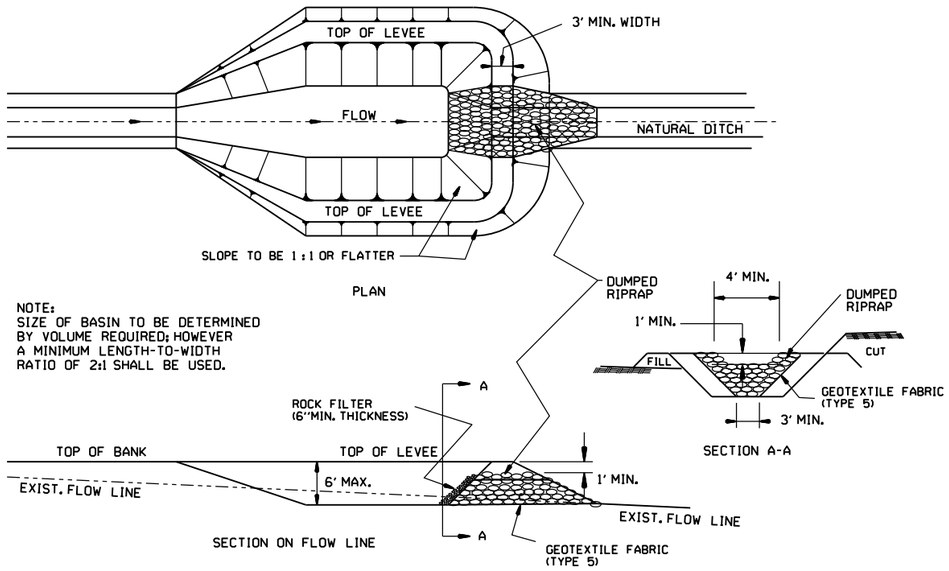
COMPOST FILTER SOCK DROP INLET PROTECTION (E-13)

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

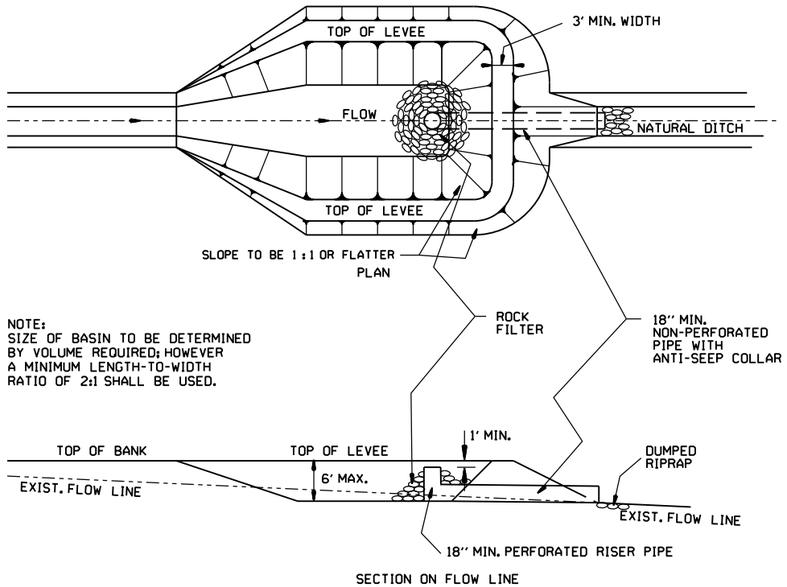
ARKANSAS STATE HIGHWAY COMMISSION

TEMPORARY EROSION CONTROL DEVICES

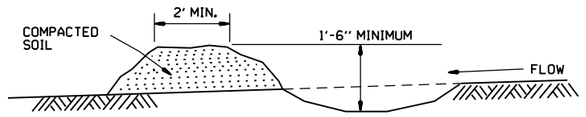
STANDARD DRAWING TEC-1



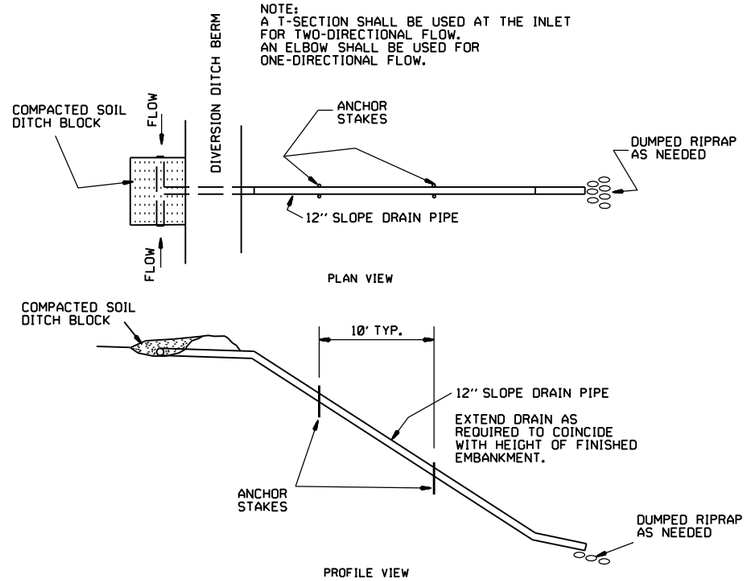
SEDIMENT BASIN WITH RIPRAP OUTLET (E-9)



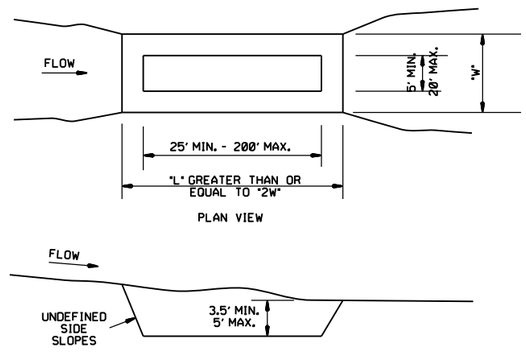
SEDIMENT BASIN WITH PIPE OUTLET (E-10)



DIVERSION DITCH (E-8)



SLOPE DRAIN (E-12)



SEDIMENT BASIN (E-14)

DATE	REVISION	FILMED
6-2-94	Revised E-8 & E-12; Added E-14 & Deleted E-13	
4-1-93	ISSUED	

ARKANSAS STATE HIGHWAY COMMISSION

TEMPORARY EROSION CONTROL DEVICES

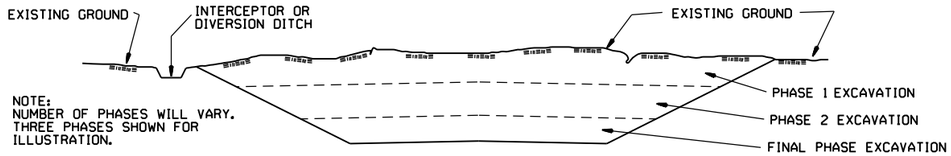
STANDARD DRAWING TEC-2

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



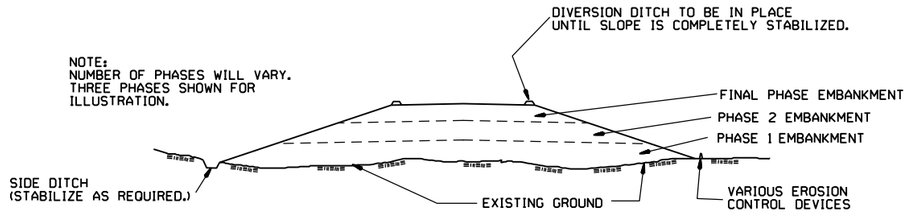
GENERAL NOTE

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



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

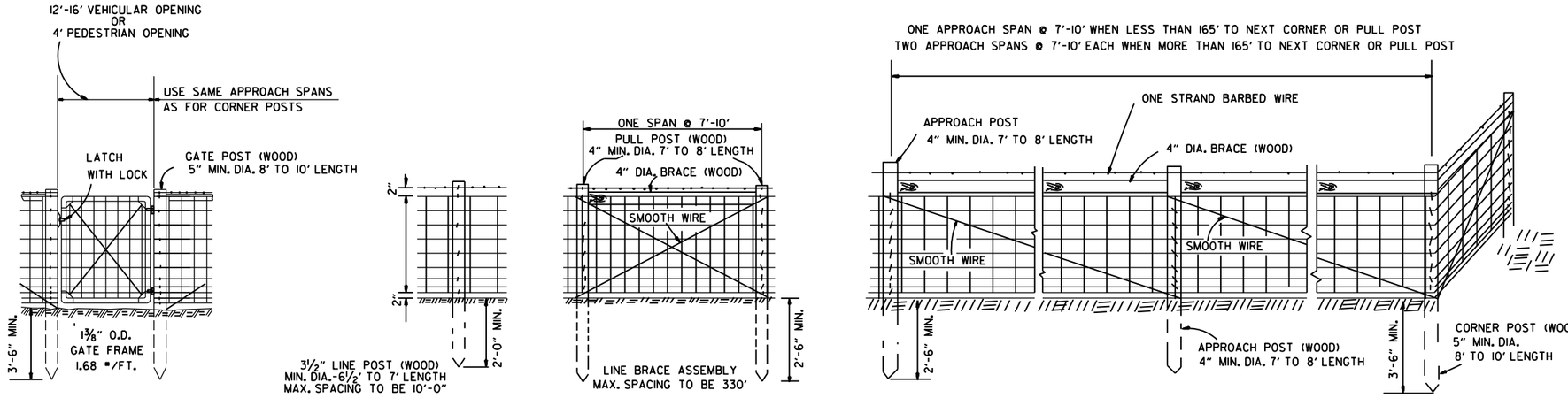
1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD 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.

11-03-94	CORRECTED SPELLING	
6-2-94	Drawn & Issued	6-2-94
DATE	REVISION	FILMED

ARKANSAS STATE HIGHWAY COMMISSION

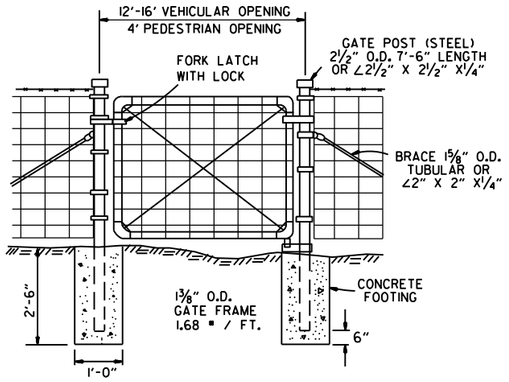
TEMPORARY EROSION CONTROL DEVICES

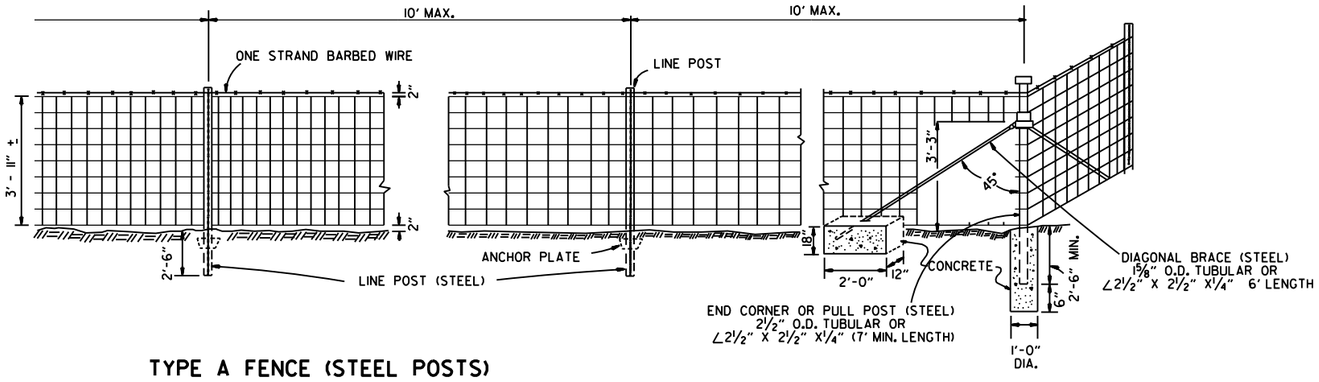
STANDARD DRAWING TEC-3



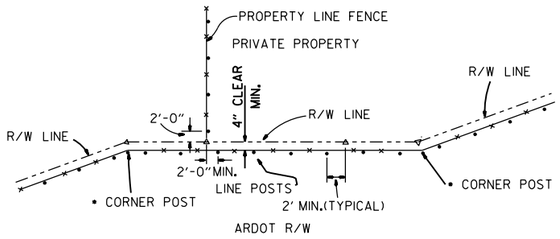
NOTE: STAPLE AT LEAST TOP, BOTTOM AND ALTERNATE WIRES OF WOVEN FABRIC FOR WOOD LINE POSTS.

TYPE A FENCE (WOOD POSTS)





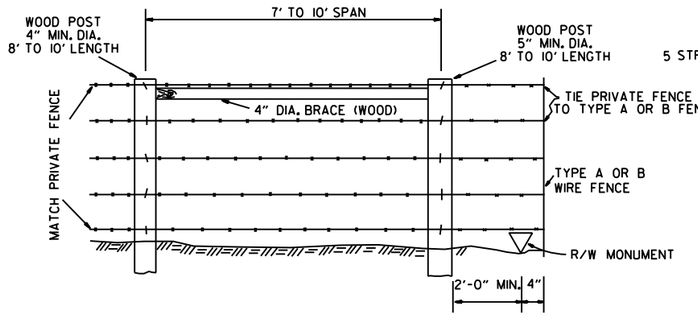
TYPE A FENCE (STEEL POSTS)



•NOTE: RIGHT-OF-WAY MONUMENTS SHALL NOT BE DISTURBED BY FENCE CONSTRUCTION. CORNER POSTS SHALL BE CONSTRUCTED 2' FROM THE RIGHT-OF-WAY MONUMENT OR AS DIRECTED BY THE ENGINEER.

△ - R/W MONUMENTS
• - FENCE POSTS

RIGHT-OF-WAY FENCE LOCATION



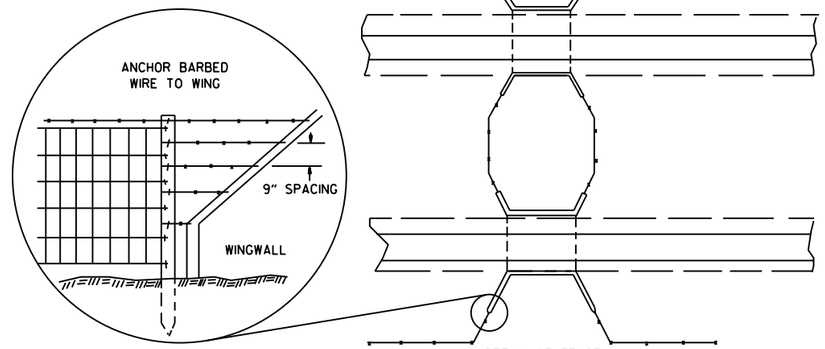
WHERE EXISTING PRIVATE FENCE CONSISTS OF STEEL POSTS, USE END POST ASSEMBLY AS SHOWN WITH TYPE A FENCE OR OTHER END POST ASSEMBLY AS APPROVED BY THE ENGINEER.

PRIVATE FENCE TERMINAL INSTALLATION



SPACING AND SIZE OF POSTS FOR TYPE B FENCE SHALL BE THE SAME AS TYPE A FENCE.

TYPE B FENCE



DETAIL OF FENCE CONSTRUCTION AT LARGE CULVERTS (5' IN HEIGHT AND OVER)

GENERAL NOTES:

STEEL LINE POSTS SHALL BE GALVANIZED, 7 FT. IN LENGTH.

TUBULAR END, CORNER, PULL, OR DIAGONAL BRACES MUST CONFORM TO THE DIMENSIONS AND WEIGHTS SPECIFIED ON STANDARD DRAWING WF-3 (CHAIN LINK).

THE CONTRACTOR SHALL FURNISH AT LEAST 25% OF WOOD LINE POSTS OF 7' LENGTHS IN ORDER TO PROVIDE SUFFICIENT SET IN SOFT GROUND OR SMALL DEPRESSIONS.

GATE HINGES AND LATCHES WITH LOCKS TO BE OF A TYPE APPROVED BY THE ENGINEER. DRIVEWAY GATES, EITHER SINGLE 12' OR 16' OR DOUBLE 6' TO 8' OPENINGS OF THE SAME TYPE AS THE PEDESTRIAN GATE, SHALL BE INSTALLED ON THE RIGHT SIDE OF EACH THROUGH LANE ROAD AT LARGE CULVERTS OR BRIDGE CROSS FENCE FOR USE BY MAINTENANCE EQUIPMENT. LOCATION OF GATES TO BE SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER.

AT STREAM CROSSINGS THE FENCE SHALL NOT BE CONSTRUCTED ACROSS LARGE STREAMS. WHERE CLEARANCE IS SUFFICIENT FROM THE TOP OF BANK TO THE BRIDGE STRUCTURE, A CROSS CONNECTION SHALL BE CONSTRUCTED BETWEEN THE FENCE ON EACH SIDE OF THE ROAD. WHERE THE CLEARANCE IS NOT SUFFIEICNT, THE FENCE SHALL BE TERMINATED WITH CROSS CONNECTIONS AND END POSTS ADJACENT TO THE BRIDGE ABUTMENTS OR CULVERT WINGWALLS.

SPLICE FOR WOVEN WIRE BETWEEN PULL POST SHALL BE BY THE "WESTERN UNION METHOD" AS DESCRIBED AS FOLLOWS: THE VERTICAL WIRES FOR EACH END OF THE FENCE FABRIC SHALL BE PLACED SIDE BY SIDE AND THE PROJECTING HORIZONTAL WIRES SHALL BE WRAPPED A MINIMUM OF 4 TIMES AROUND THE HORIZONTAL WIRES OF THE FIRST WEB.

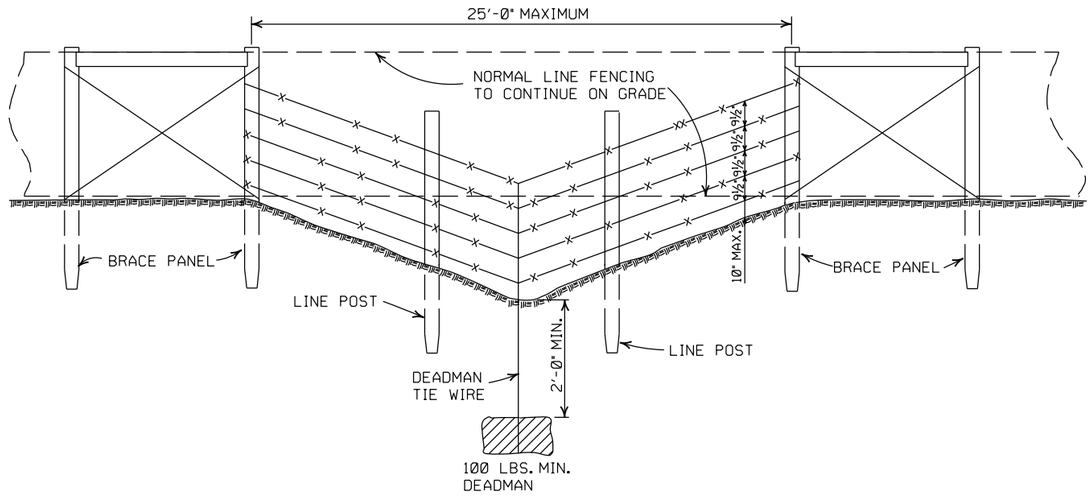
SPLICE FOR BARBED WIRE BETWEEN PULL POST ASSEMBLY SHALL BE BY THE "EYE METHOD": AS DESCRIBED AS FOLLOWS: THE ENDS OF THE BARBED WIRE SHALL BE BENT TO FORM A LOOP. THE LOOPS SHALL BE CONNECTED. AFTER THE LOOPS ARE CONNECTED THE ENDS OF THE WIRE SHALL BE WRAPPED AROUND THE PROJECTING WIRE A MINIMUM OF 4 TIMES FOR EACH WIRE LOOP.

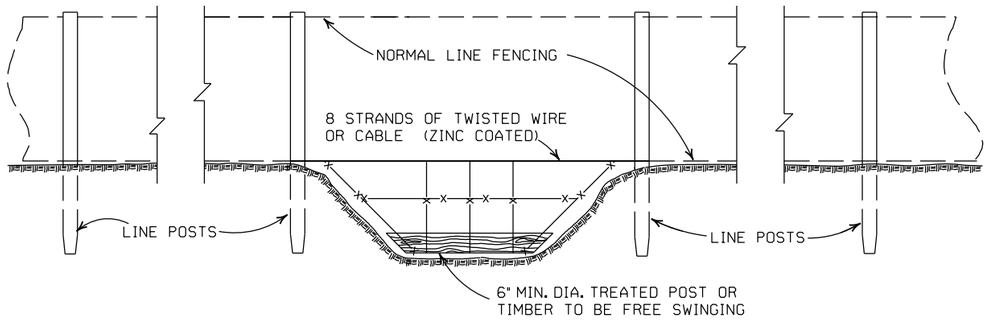
DATE	REVISION	DATE FILMED
8-22-02	REVISED GENERAL NOTES	
10-18-96	REVISED ASTM REF. TO AASHTO	
11-22-95	REVISED R-O-W LOCATION DETAIL	
6-2-94	ADDED CORNER POST NOTE	6-2-94
8-5-93	REVISED R-O-W LOCATION DETAIL	8-5-93
10-1-92	ADDED STAPLE NOTE	
8-2-90	REV'D PULL POST LENGTH	
11-30-89	DELETED CLASS CONC.	
7-15-88	ADDED SPLICE NOTES	
7-15-88	ADDED HEIGHT DIMENSION	
4-3-87	REVISED VARIOUS NOTES	
	AND GENERAL NOTES	
11-1-84	MAX. POST SPACING	
1-4-83	MIN. DIA. LINE POST	
10-2-72	REVISED & REDRAWN	

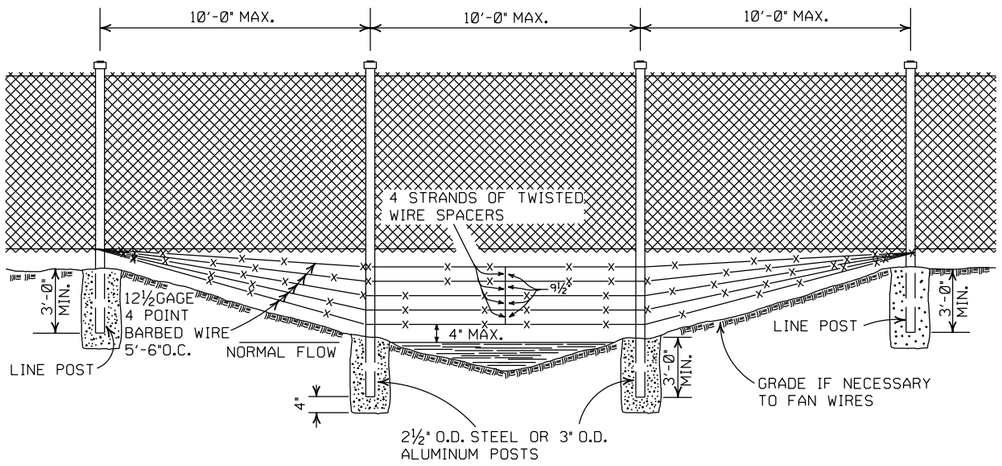
ARKANSAS STATE HIGHWAY COMMISSION

WIRE FENCE
TYPE A AND B

STANDARD DRAWING WF-1







GENERAL NOTES:

THESE INSTALLATIONS TO BE USED WHERE NORMAL FENCING INSTALLATION WOULD CAUSE THE COLLECTING OF DRIFT IN THE CHANNEL OR THE DEPRESSION WILL NOT PERMIT NORMAL INSTALLATION. INSTALLATIONS WILL BE MADE ONLY WHERE DIRECTED BY THE ENGINEER.

WHEN A FENCE LINE APPROACHES A DITCH, GULLY OR DEPRESSION, THE LAST POST ON LEVEL GROUND SHALL BE PLACED CLOSE ENOUGH TO THE EDGE OF THE DROP OFF THAT THE FENCE MAY BE STRUNG TO THE POST IN THE DEPRESSION WITHOUT TOUCHING THE GROUND.

IN TERRAIN OF SUCH EXTREME IRREGULARITY THAT MINOR GRADING WILL NOT BE FEASIBLE, THE NORMAL FENCE SHALL CONTINUE ON GRADE AND THE GULLIES OR DEPRESSIONS TREATED BY AUXILIARY FENCES AS SHOWN.

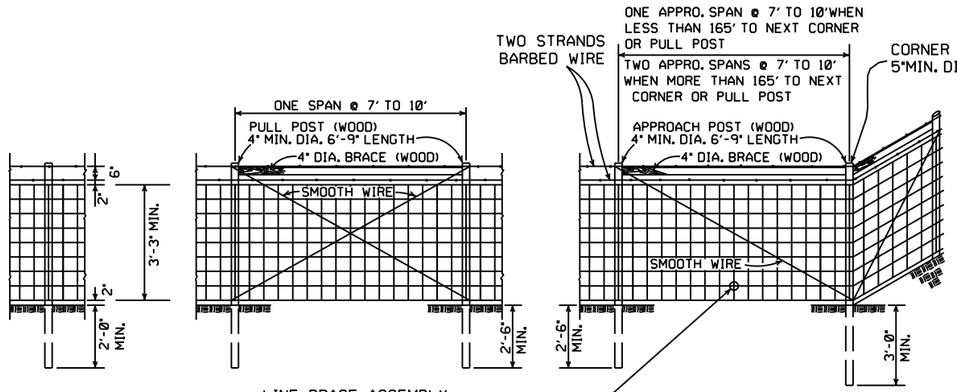
PAYMENT FOR THE TYPE INSTALLATION USED WILL NOT BE MADE DIRECTLY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR WIRE FENCE OR CHAIN LINK FENCE.

DATE	REVISION	FILMED
4-20-79	REVISED TOP RAIL & TENSION WIRE	696-4-20-79
10-2-72	REVISED AND REDRAWN	529-10-2-72

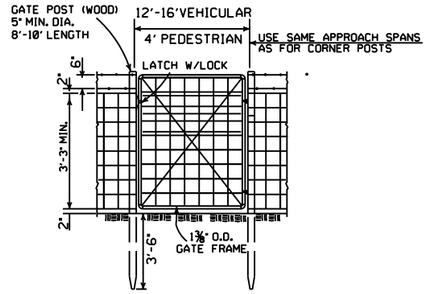
ARKANSAS STATE HIGHWAY COMMISSION

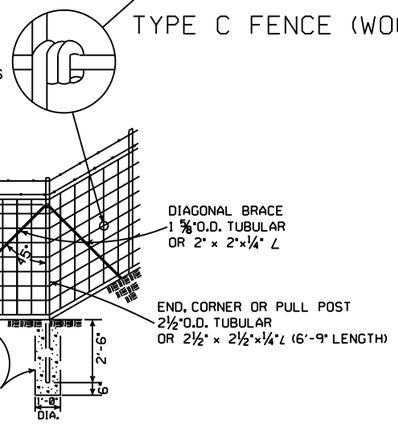
WIRE FENCE WATER GAPS

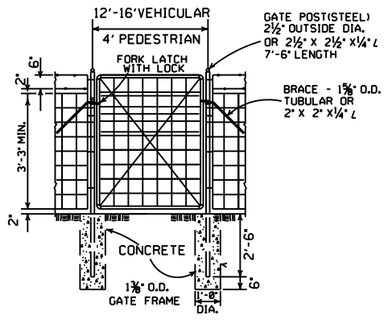
STANDARD DRAWING WF-2



TYPE C FENCE (WOOD POSTS)

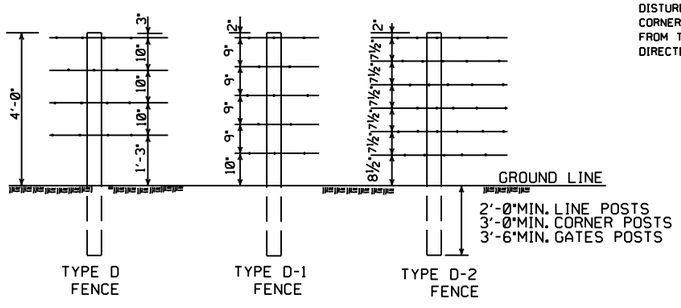




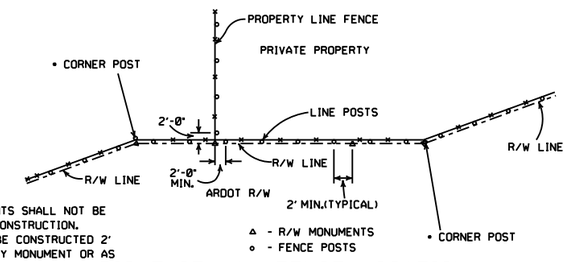


NOTE: STEEL LINE POSTS SHALL BE 6'-6" MINIMUM LENGTH.

TYPE C FENCE (STEEL POSTS)

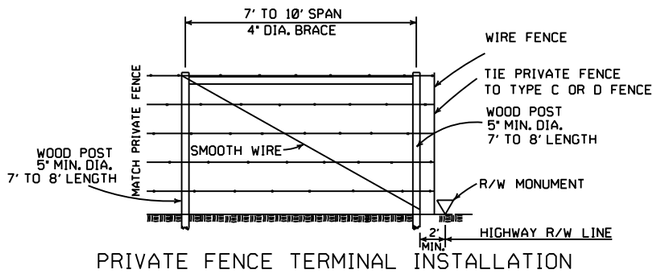


NOTE: SPACING AND SIZE (EXCEPT LENGTH) OF POSTS, APPROACH SPANS, PULL POST ASSEMBLIES, AND CORNER BRACING FOR TYPE D FENCE SHALL CONFORM TO TYPE C FENCE. USE GALVANIZED STAPLES ON WOOD POSTS AND APPROVED FASTENERS ON STEEL POSTS.



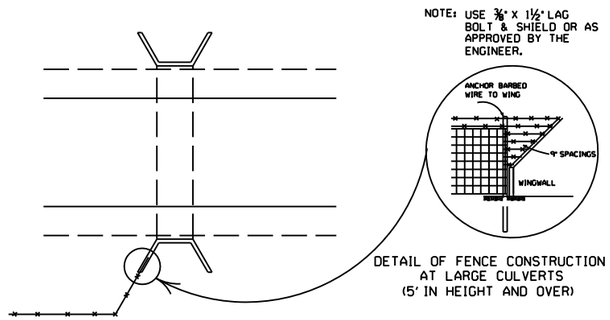
• NOTE: RIGHT-OF-WAY MONUMENTS SHALL NOT BE DISTURBED BY FENCE CONSTRUCTION. CORNER POSTS SHALL BE CONSTRUCTED 2' FROM THE RIGHT-OF-WAY MONUMENT OR AS DIRECTED BY THE ENGINEER.

RIGHT-OF-WAY FENCE LOCATION

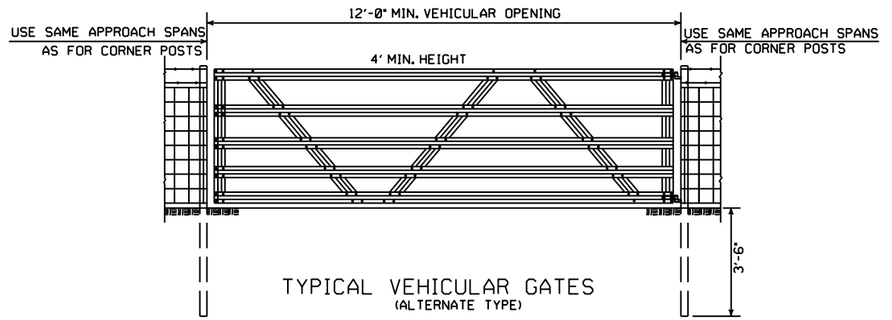


PRIVATE FENCE TERMINAL INSTALLATION

WHERE EXISTING FENCE CONSISTS OF STEEL POSTS, USE END POST ASSEMBLY AS SHOWN IN TYPE C FENCE OR OTHER END POST ASSEMBLY AS APPROVED BY THE ENGINEER.



DETAIL OF FENCE CONSTRUCTION AT LARGE CULVERTS (5' IN HEIGHT AND OVER)



TYPICAL VEHICULAR GATES

(ALTERNATE TYPE)

OTHER STYLE VEHICULAR GATES MAY BE USED WITH THE APPROVAL OF THE ENGINEER. THE METHOD OF SECURING GATE (LATCH AND/OR LOCK)SHALL MEET THE APPROVAL OF THE ENGINEER.

GENERAL NOTES:

STEEL LINE POSTS SHALL BE PAINTED OR GALVANIZED. TUBULAR END, CORNER, PULL, OR DIAGONAL BRACES MUST CONFORM TO THE DIMENSIONS AND WEIGHTS SPECIFIED ON STANDARD DRAWING WF-3 (CHAIN LINK). APPROVED ALTERNATES ARE ACCEPTABLE.
AN ACCEPTABLE TOLERANCE IN LENGTH OF TUBULAR OR WOODEN POSTS SHALL BE - 1" TO +2".
TUBULAR POSTS MUST BE PAINTED OR GALVANIZED.

THE CONTRACTOR SHALL FURNISH AT LEAST 25% OF TIMBER LINE POSTS OF 7 FOOT LENGTHS IN ORDER TO PROVIDE SUFFICIENT SET IN SOFT GROUND OR SMALL DEPRESSIONS.

DRIVEWAY GATES, EITHER SINGLE 12' TO 16' OR DOUBLE 6' TO 8' OPENING OF THE SAME TYPE AS THE PEDESTRIAN GATE, SHALL BE INSTALLED ON THE RIGHT SIDE OF EACH THROUGH LANE ROAD AT LARGE CULVERTS OR BRIDGE CROSS FENCE, FOR USE OF MAINTENANCE EQUIPMENT. LOCATION OF GATES TO BE SHOWN ON PLANS OR AS DESIGNATED BY THE ENGINEER.

AT STREAM CROSSINGS, THE FENCE SHALL NOT BE CONSTRUCTED ACROSS LARGE STREAMS. WHERE CLEARANCE IS SUFFICIENT FROM THE TOP OF THE BANK TO THE BRIDGE STRUCTURE A CROSS CONNECTION SHALL BE CONSTRUCTED BETWEEN THE FENCE ON EACH SIDE OF THE ROAD. WHERE THE CLEARANCE IS NOT SUFFICIENT, THE FENCE SHALL BE TERMINATED WITH CROSS CONNECTIONS AND END POSTS ADJACENT TO BRIDGE ABUTMENTS OR CULVERT WINGWALLS.

SPLICE FOR BARBED WIRE BETWEEN PULL POST ASSEMBLY SHALL BE BY THE "EYE METHOD" AS DESCRIBED AS FOLLOWS: THE ENDS OF THE BARBED WIRE SHALL BE BENT TO FORM A LOOP. THE LOOPS SHALL BE CONNECTED. AFTER THE LOOPS ARE CONNECTED THE ENDS OF THE WIRE SHALL BE WRAPPED AROUND THE PROJECTING WIRES A MINIMUM OF 4 TIMES FOR EACH WIRE LOOP.

SPLICE FOR WOVEN WIRE BETWEEN PULL POST SHALL BE BY THE "WESTERN UNION METHOD" AS DESCRIBED AS FOLLOWS: THE VERTICAL WIRES FOR EACH END OF THE FENCE FABRIC SHALL BE PLACED SIDE BY SIDE AND THE PROJECTING HORIZONTAL WIRES SHALL BE WRAPPED A MINIMUM OF 4 TIMES AROUND THE HORIZONTAL WIRES OF THE FIRST WEB.

STAPLE AT LEAST TOP, BOTTOM AND ALTERNATE WIRES OF WOVEN FABRIC FOR WOOD LINE POSTS.

DATE	REVISION	FILMED
8-22-02	REVISED GENERAL NOTES	
10-18-96	REVISED AASHTO	
11-22-95	REVISED R-O-W LOCATION DETAIL	
6-2-94	REVISED BARB WIRE AND ADDED CORNER POST NOTES	6-2-94
8-5-93	REVISED R/W INSTALLATION FENCE	8-5-93
10-1-92	ADDED STAPLE NOTE	10-1-92
8-15-91	ADDED TYPE D-2 FENCE	8-15-91
11-30-89	DELETED CLASS CONCRETE	11-30-89
7-15-88	ADDED SPLICE NOTE	700-7-15-88
10-30-87	GENERAL REVISIONS	549-10-30-87
11-1-84	MAX. POST SPACING MIN. WIRE GAUGE	507-11-1-84
1-4-83	MIN. DIA. LINE POST	648-1-4-83
3-2-81	TOLERANCE FOR POST LENGTH	722-3-2-81
12-1-72	ADDED D-1 & FENCE INSTALLATION	564-12-1-72
10-2-72	REVISED AND REDRAWN	540-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

WIRE FENCE TYPE C AND D

STANDARD DRAWING WF-4