

| DATE REVISED                       | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|------------------------------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|                                    |             |              |             | 6                  | ARK.  |                    |           |              |
|                                    |             |              |             |                    |       | 070380             | 1         | 51           |
| (2) HAYNES CREEK STR. & APPRS. (S) |             |              |             |                    |       |                    |           |              |

ARKANSAS DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION PLANS FOR STATE HIGHWAY

# HAYNES CREEK STR. & APPRS. (S)

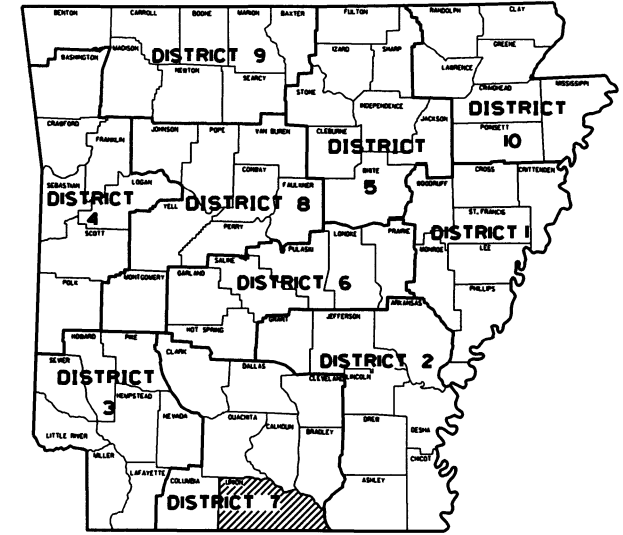
UNION COUNTY

ROUTE 335 SECTION 2

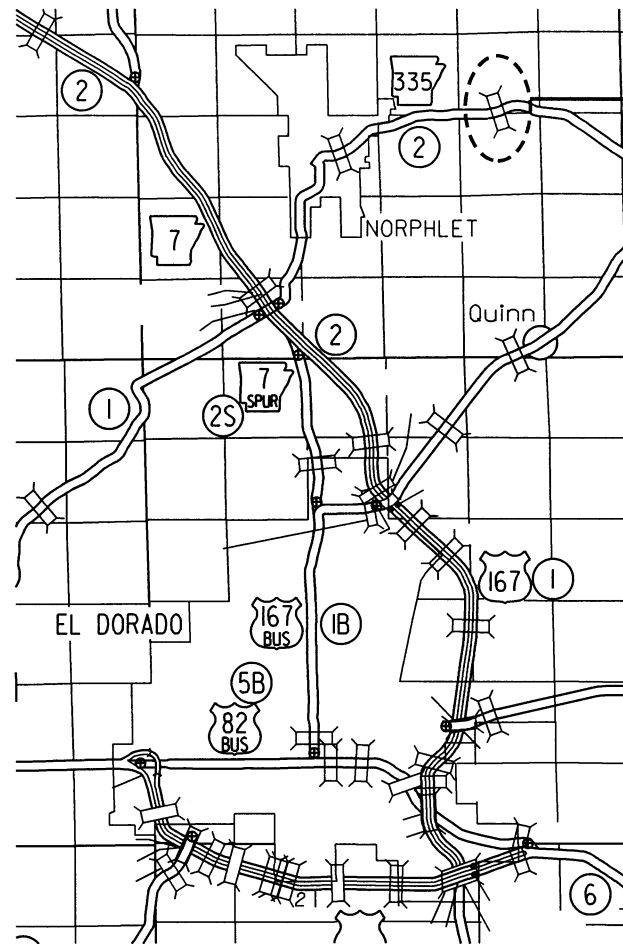
## JOB 070380

FED. AID PROJ. NHPP-0070(39)

NOT TO SCALE

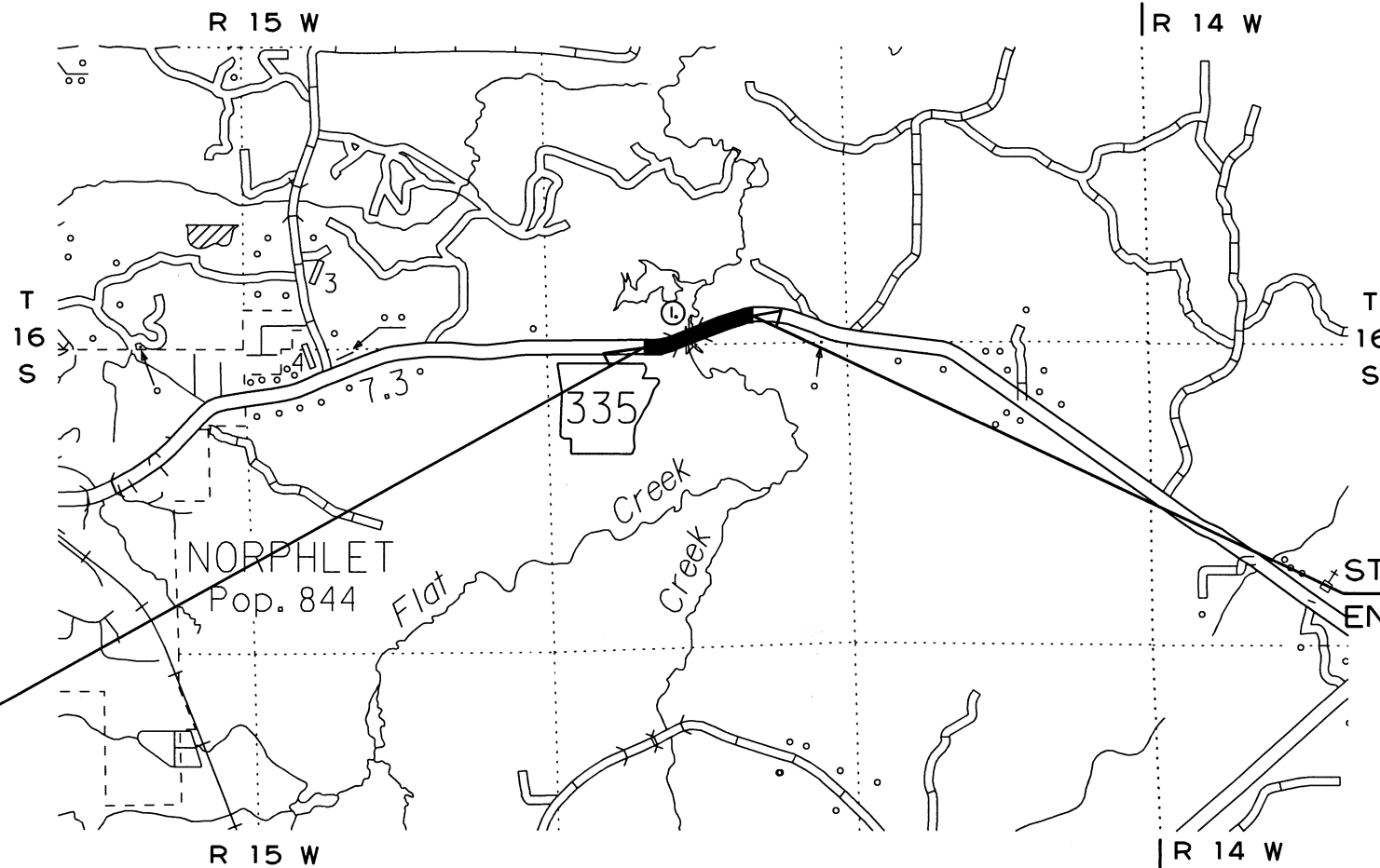


ARK. HWY. DIST. NO. 7



VICINITY MAP

PROJECT LOCATION



• DESIGN TRAFFIC DATA •

|                          |       |        |
|--------------------------|-------|--------|
| DESIGN YEAR              | ----- | 2039   |
| 2019 ADT                 | ----- | 520    |
| 2039 ADT                 | ----- | 570    |
| 2039 DHV                 | ----- | 63     |
| DIRECTIONAL DISTRIBUTION | ----- | 60%    |
| TRUCKS                   | ----- | 5%     |
| DESIGN SPEED             | ----- | 55 MPH |

**BRIDGE DATA**

- ① STA. 209+77.75 BR. END
- 260' -6" BRIDGE LENGTH
- 259' -6" COMP. INTEGRAL PRESTRESSED CONCRETE GIRDER UNIT (TYPE III)
- (64' -9", 65' -0", 65' -0", 64' -9")
- BR. NO. 07466
- 30' - 0" CLEAR ROADWAY
- STA. 212+38.25 BR. END

STA. 201+34.00  
BEGIN JOB 070380  
LOG MILE 4.33

STA. 219+12.00  
END JOB 070380

|           | BEGIN PROJECT   | MID-POINT OF PROJECT | END PROJECT     |
|-----------|-----------------|----------------------|-----------------|
| LATITUDE  | N 33°19' 23.05" | N 33°19' 24.31"      | N 33°19' 27.35" |
| LONGITUDE | W 92°37' 34.02" | W 92°37' 22.57"      | W 92°37' 14.10" |

|                         |         |         |       |       |
|-------------------------|---------|---------|-------|-------|
| GROSS LENGTH OF PROJECT | 1778.00 | FEET OR | 0.337 | MILES |
| NET " " ROADWAY         | 1517.50 | " "     | 0.288 | "     |
| NET " " BRIDGES         | 260.50  | " "     | 0.049 | "     |
| NET " " PROJECT         | 1778.00 | " "     | 0.337 | "     |

APPROVED



9-17-19  
DEPUTY DIRECTOR  
AND CHIEF ENGINEER

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|              |             |              |             |                |       | 070380             | 2         | 51           |

### INDEX OF SHEETS

| SHEET NO. | TITLE   | BRIDGE NO. | DRWG. NO. |
|-----------|---|------------|-----------|
| 1         | TITLE SHEET   |            |           |
| 2         | INDEX OF SHEETS AND STANDARD DRAWINGS                                       |            |           |
| 3         | GOVERNING SPECIFICATIONS AND GENERAL NOTES                                  |            |           |
| 4         | TYPICAL SECTIONS OF IMPROVEMENT   |            |           |
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| 12 - 15   | MAINTENANCE OF TRAFFIC DETAILS  |            |           |
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| 24 - 26   | SURVEY CONTROL DETAILS  |            |           |
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| 29        | LAYOUT OF BRIDGE HIGHWAY 335 OVER HAYNES CREEK (SHEET 1 OF 2)               | 07466      | 61108     |
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| 32        | DETAILS OF INTERMEDIATE BENTS   | 07466      | 61111     |
| 33        | DETAILS OF 259'-6" INTEGRAL PRESTRESSED CONCRETE GIRDER UNIT (SHEET 1 OF 8) | 07466      | 61112     |
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| 37        | DETAILS OF 259'-6" INTEGRAL PRESTRESSED CONCRETE GIRDER UNIT (SHEET 5 OF 8) | 07466      | 61116     |
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| 43 - 51   | CROSS SECTIONS  |            |           |

2 INDEX OF SHEETS AND STANDARD DRAWINGS



### BRIDGE STANDARD DRAWINGS

| DRWG. NO. | TITLE   | DATE     |
|-----------|---|----------|
| 55000     | STANDARD DETAILS FOR EMBANKMENT CONSTRUCTION AND BACKFILL AT BRIDGE ENDS                      | 02-27-14 |
| 55001     | STANDARD DETAILS FOR DUMPED RIPRAP AND FILTER BLANKET AND COMPUTING EXCAVATION FOR STRUCTURES | 02-27-14 |
| 55005     | STANDARD DETAILS FOR PERMANENT STEEL BRIDGE DECK FORMS FOR STEEL & CONCRETE GIRDER SPANS      | 03-24-16 |
| 55010     | STANDARD DETAILS FOR TYPE D BRIDGE NAME PLATE   | 01-15-19 |
| 55021     | STANDARD DETAILS FOR CONCRETE FILLED STEEL SHELL PILES AND PILE ENCASEMENTS                   | 03-24-16 |
| 55030C    | STANDARD DETAILS FOR TYPE C APPROACH GUTTERS  | 02-27-14 |

### ROADWAY STANDARD DRAWINGS

| DRWG. NO. | TITLE   | DATE     |
|-----------|---|----------|
| GR-8      | GUARD RAIL DETAILS                                      | 11-16-17 |
| GR-8A     | GUARD RAIL DETAILS                                      | 11-16-17 |
| GR-9      | GUARD RAIL DETAILS                                      | 04-17-08 |
| GR-9A     | GUARD RAIL DETAILS                                      | 04-17-08 |
| GR-10     | GUARD RAIL DETAILS                                      | 11-16-17 |
| GR-11     | GUARD RAIL DETAILS                                      | 11-16-17 |
| GR-12     | GUARD RAIL DETAILS                                      | 11-16-17 |
| PCC-1     | CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING            | 02-27-14 |
| PCM-1     | METAL PIPE CULVERT FILL HEIGHTS & BEDDING               | 02-27-14 |
| PCP-1     | PLASTIC PIPE CULVERT (HIGH DENSITY POLYETHYLENE)        | 02-27-14 |
| PCP-2     | PLASTIC PIPE CULVERT (PVC F949)                         | 02-27-14 |
| PM-1      | PAVEMENT MARKING DETAILS                                | 06-01-17 |
| PU-1      | DETAILS OF PIPE UNDERDRAIN                              | 12-08-16 |
| SE-2      | TABLES AND METHOD OF SUPERELEVATION FOR TWO-WAY TRAFFIC | 10-18-96 |
| TC-1      | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION      | 04-13-17 |
| TC-2      | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION      | 09-02-15 |
| TC-3      | STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION      | 07-25-19 |
| TEC-1     | TEMPORARY EROSION CONTROL DEVICES                       | 11-16-17 |
| TEC-2     | TEMPORARY EROSION CONTROL DEVICES                       | 06-02-94 |
| TEC-3     | TEMPORARY EROSION CONTROL DEVICES                       | 11-03-94 |
| WF-4      | WIRE FENCE TYPE C AND D                                 | 08-22-02 |

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2 GOVERNING SPECS. AND GENERAL NOTES

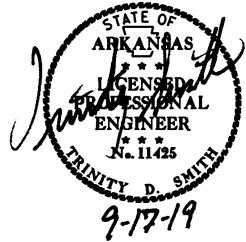
### GOVERNING SPECIFICATIONS

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

| NUMBER     | TITLE   |
|------------|---|
| ERRATA     | ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS                                      |
| FHWA-1273  | REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS                     |
| FHWA-1273  | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS                   |
| FHWA-1273  | SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) |
| FHWA-1273  | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES                    |
| FHWA-1273  | SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS                       |
| FHWA-1273  | SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS                  |
| FHWA-1273  | SUPPLEMENT - WAGE RATE DETERMINATION  |
| 100-3      | CONTRACTOR'S LICENSE  |
| 100-4      | DEPARTMENT NAME CHANGE  |
| 102-2      | ISSUANCE OF PROPOSALS   |
| 108-1      | LIQUIDATED DAMAGES  |
| 108-2      | WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER  |
| 110-1      | PROTECTION OF WATER QUALITY AND WETLANDS  |
| 303-1      | AGGREGATE BASE COURSE   |
| 306-1      | QUALITY CONTROL AND ACCEPTANCE  |
| 400-1      | TACK COATS  |
| 400-4      | DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES                                      |
| 400-5      | PERCENT AIR VOIDS FOR ACHM MIX DESIGNS  |
| 400-6      | LIQUID ANTI-STRIP ADDITIVE  |
| 410-1      | CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES      |
| 410-2      | DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS                                  |
| 600-2      | INCIDENTAL CONSTRUCTION   |
| 604-1      | RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES          |
| 606-1      | PIPE CULVERTS FOR SIDE DRAINS   |
| 617-1      | GUARDRAIL TERMINAL (TYPE 2)   |
| 620-1      | MULCH COVER   |
| 800-1      | STRUCTURES  |
| 802-3      | CONCRETE FOR STRUCTURES   |
| 804-2      | REINFORCING STEEL FOR STRUCTURES  |
| 808-1      | INSTALLATION OF ELASTOMERIC BEARINGS  |
| 808-2      | ELASTOMERIC BEARINGS  |
| JOB 070380 | BIDDING REQUIREMENTS AND CONDITIONS   |
| JOB 070380 | BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT                               |
| JOB 070380 | BROADBAND INTERNET SERVICE FOR FIELD OFFICE   |
| JOB 070380 | CARGO PREFERENCE ACT REQUIREMENTS   |
| JOB 070380 | CLASS C FLY ASH IN PORTLAND CEMENT CONCRETE PAVEMENT AND CLASS S(AE) CONCRETE       |
| JOB 070380 | CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS  |
| JOB 070380 | DELAY IN RIGHT OF WAY OCCUPANCY   |
| JOB 070380 | DIRECT TENSION INDICATORS FOR HIGH STRENGTH BOLT ASSEMBLIES                         |
| JOB 070380 | DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES                         |
| JOB 070380 | FLEXIBLE BEGINNING OF WORK  |
| JOB 070380 | GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION                           |
| JOB 070380 | MANDATORY ELECTRONIC CONTRACT   |
| JOB 070380 | MANDATORY ELECTRONIC DOCUMENT SUBMITTAL   |
| JOB 070380 | NESTING SITES OF MIGRATORY BIRDS  |
| JOB 070380 | PARTNERING REQUIREMENTS   |
| JOB 070380 | PLASTIC PIPE  |
| JOB 070380 | SECTION 404 NATIONWIDE 23 PERMIT REQUIREMENTS                                       |
| JOB 070380 | SHORING   |
| JOB 070380 | SOIL STABILIZATION  |
| JOB 070380 | STORM WATER POLLUTION PREVENTION PLAN   |
| JOB 070380 | SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS                      |
| JOB 070380 | UTILITY ADJUSTMENTS   |
| JOB 070380 | VALUE ENGINEERING   |
| JOB 070380 | WARM MIX ASPHALT  |
| JOB 070380 | WELLHEAD PROTECTION   |

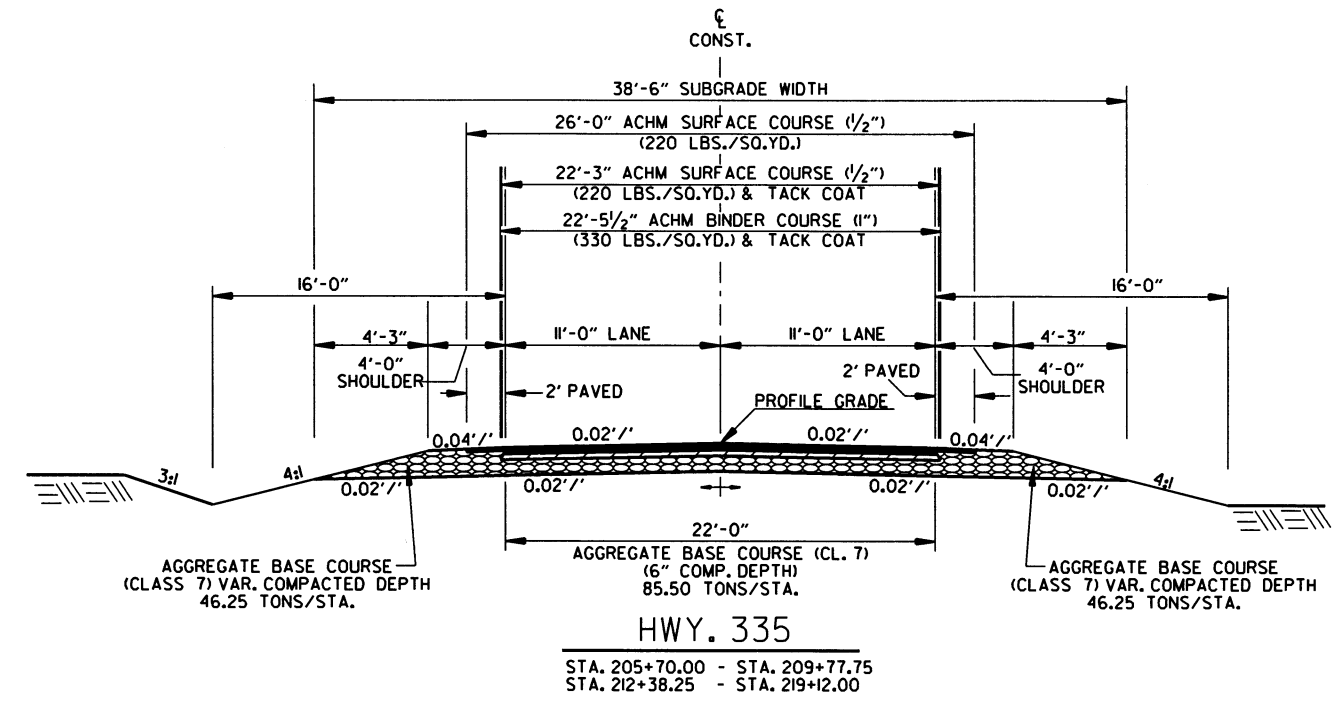
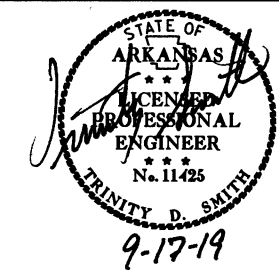
### GENERAL NOTES

- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- 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.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WIRE FENCE MAY BE CONSTRUCTED INITIALLY, OR IN LIEU THEREOF, THE CONTRACTOR AT HIS OWN EXPENSE, MAY ELECT TO PROVIDE TEMPORARY FENCING SUITABLE TO CONTAIN LIVESTOCK.
- THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE RESIDENT ENGINEER.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

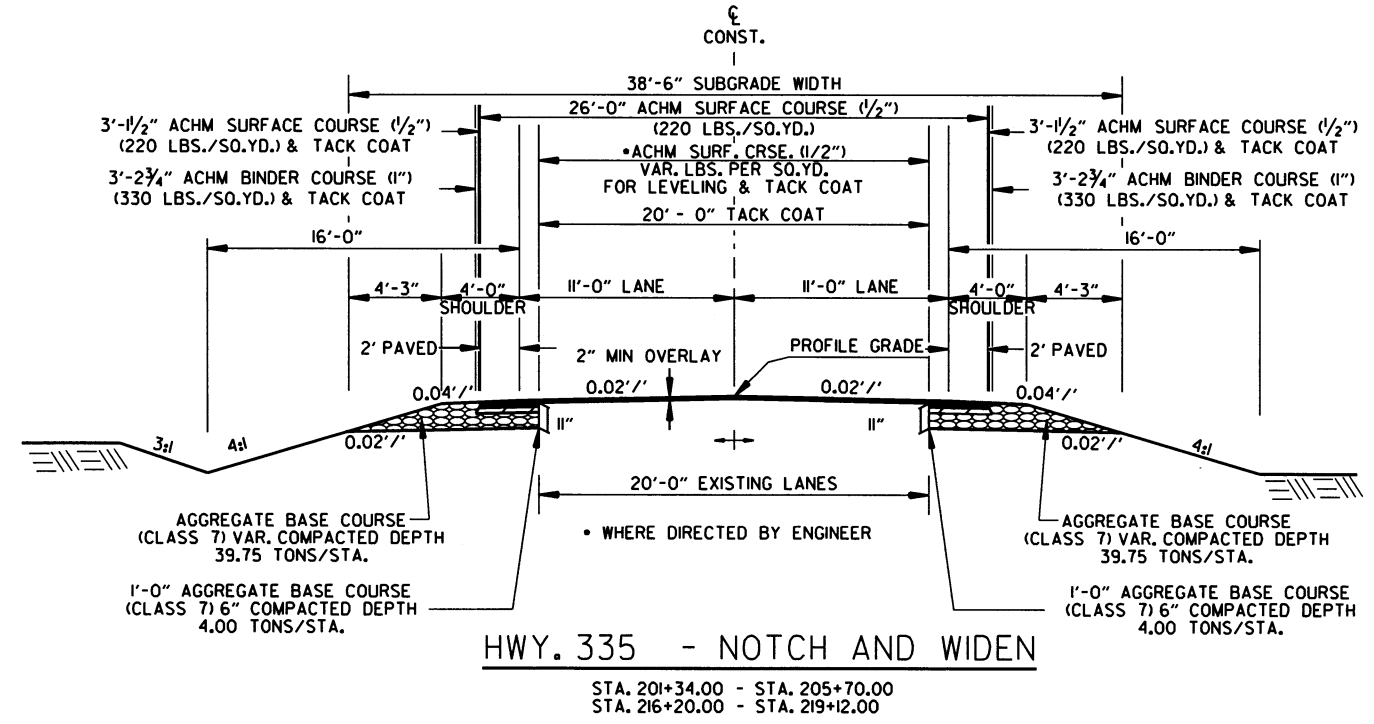
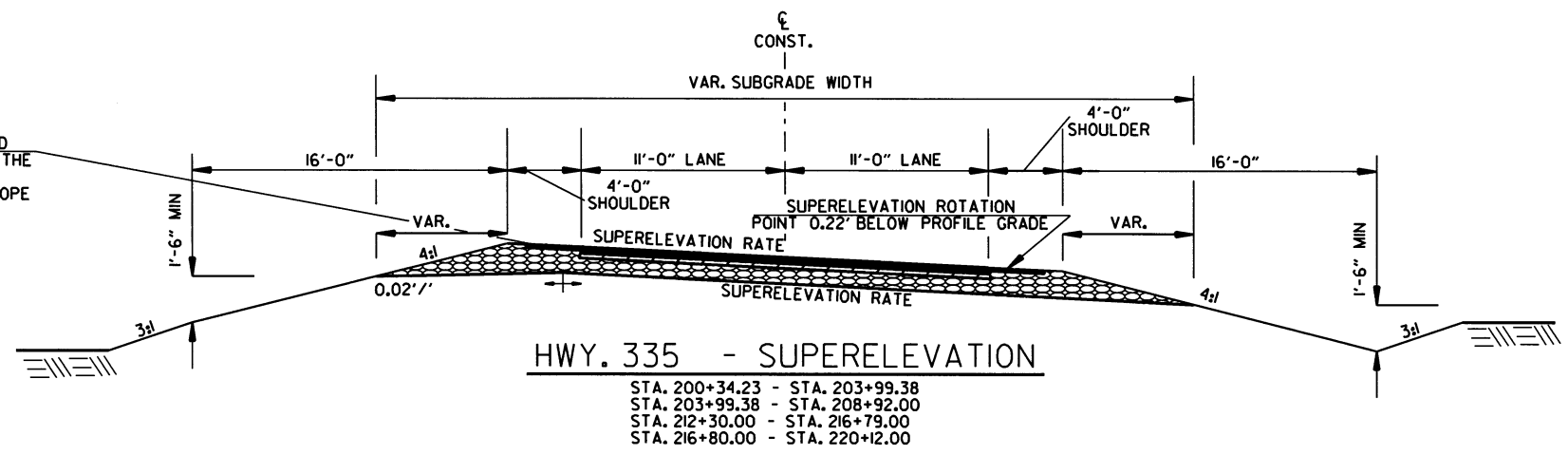


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2 TYPICAL SECTIONS OF IMPROVEMENT



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



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.

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.

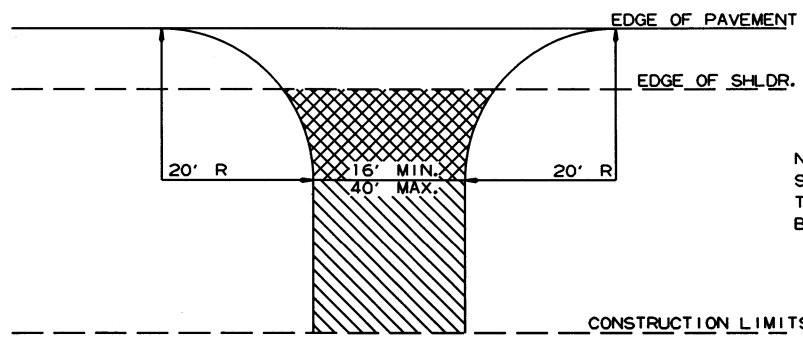
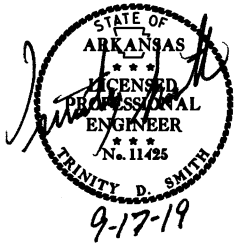
ASPHALT FOR LEVELING OF EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND/OR LEVELING OPERATIONS SHALL BE PERFORMED BEFORE CONSTRUCTION NOTCH AND WIDENING. CALCULATIONS WILL NOT BE PAID FOR DIRECTLY, BUT PAYMENT WILL BE CONSIDERED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

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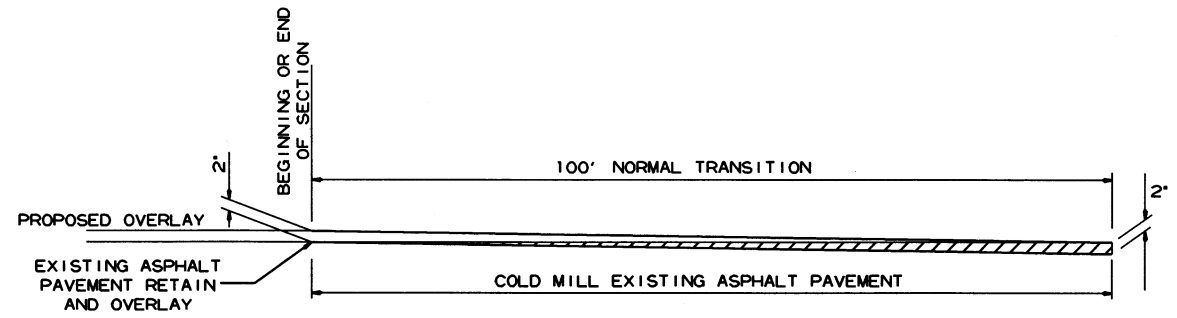
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2 SPECIAL DETAILS



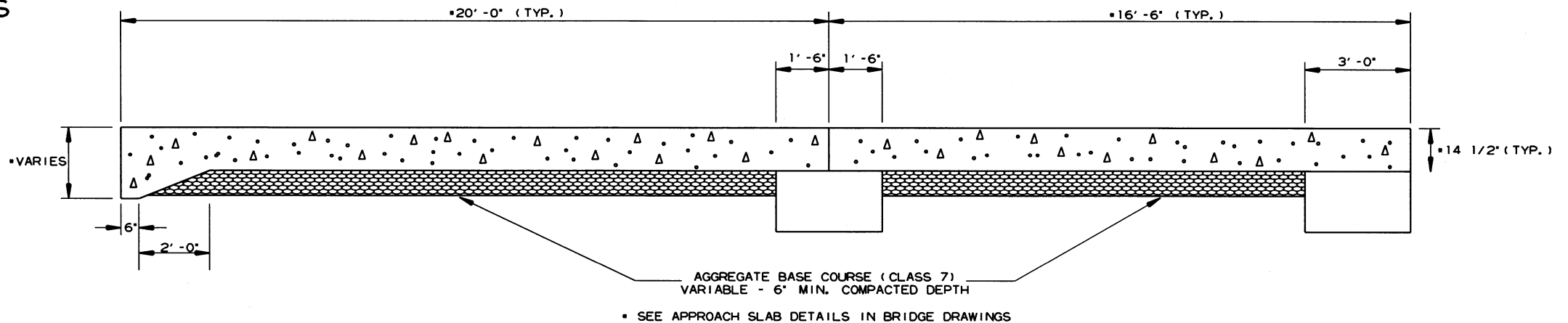
NOTE: TURNOUTS AND PRIVATE DRIVES SHALL BE MODIFIED WHERE NECESSARY TO MEET LOCAL CONDITIONS AS DIRECTED BY THE ENGINEER.

- 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

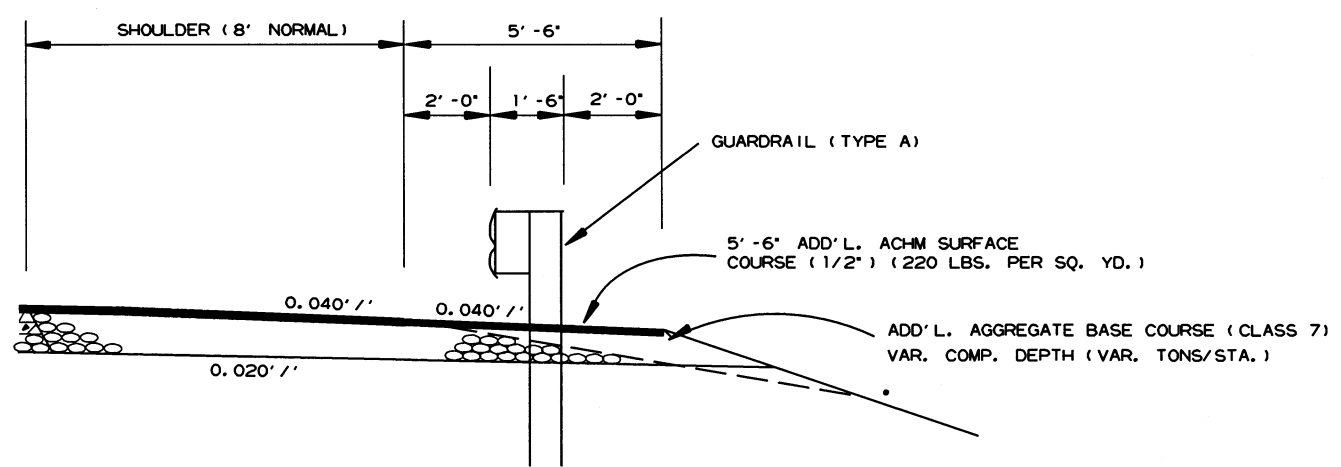


DETAIL FOR TRANSITIONS

DETAIL FOR DRIVEWAY TURNOUTS (COLLECTORS)



SECTION OF APPROACH SLAB



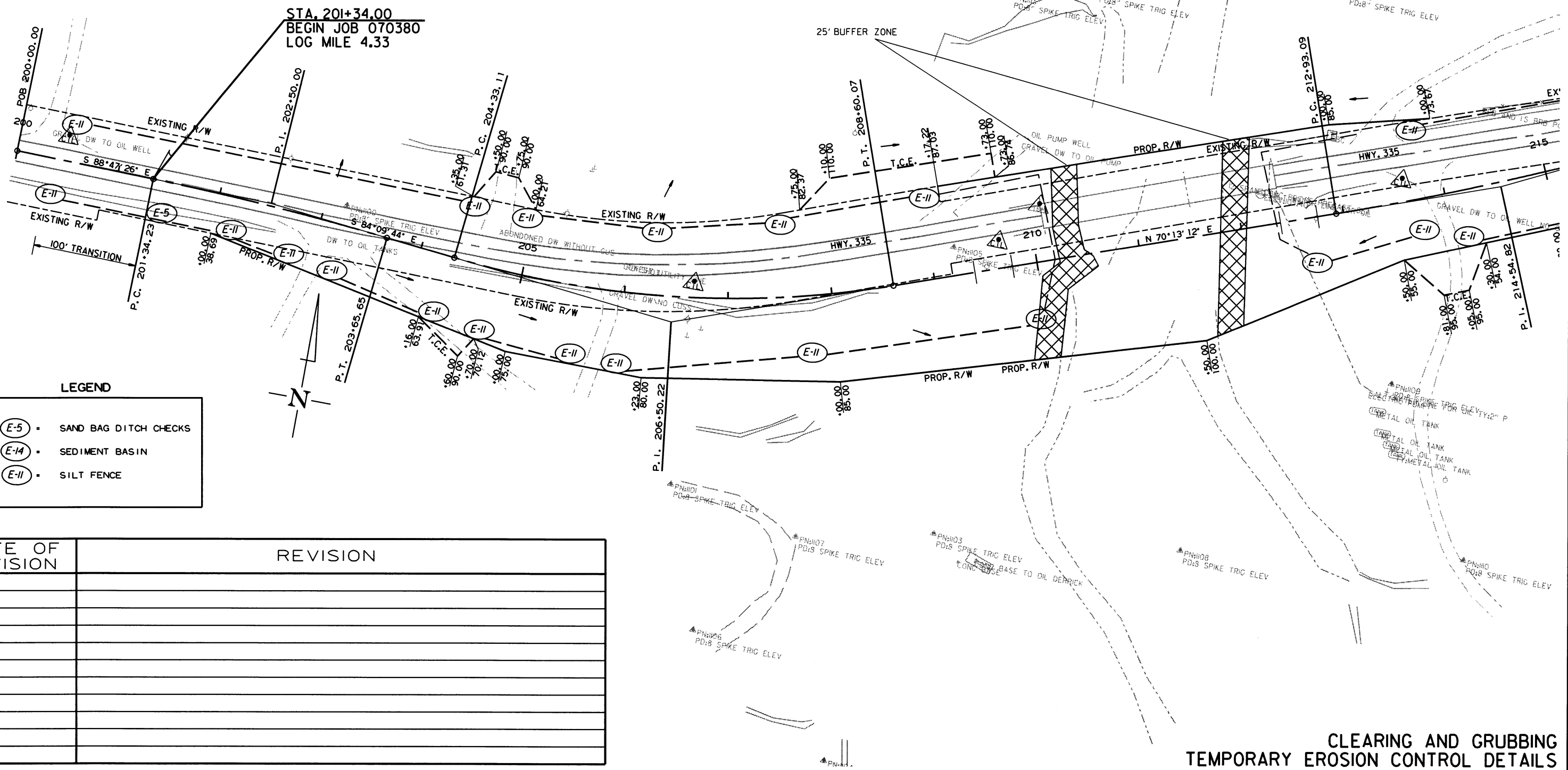
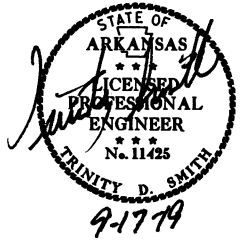
WIDENING FOR GUARDRAIL

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

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② TEMPORARY EROSION CONTROL DETAILS



**LEGEND**

|        |                       |
|--------|-----------------------|
| (E-5)  | SAND BAG DITCH CHECKS |
| (E-14) | SEDIMENT BASIN        |
| (E-II) | SILT FENCE            |

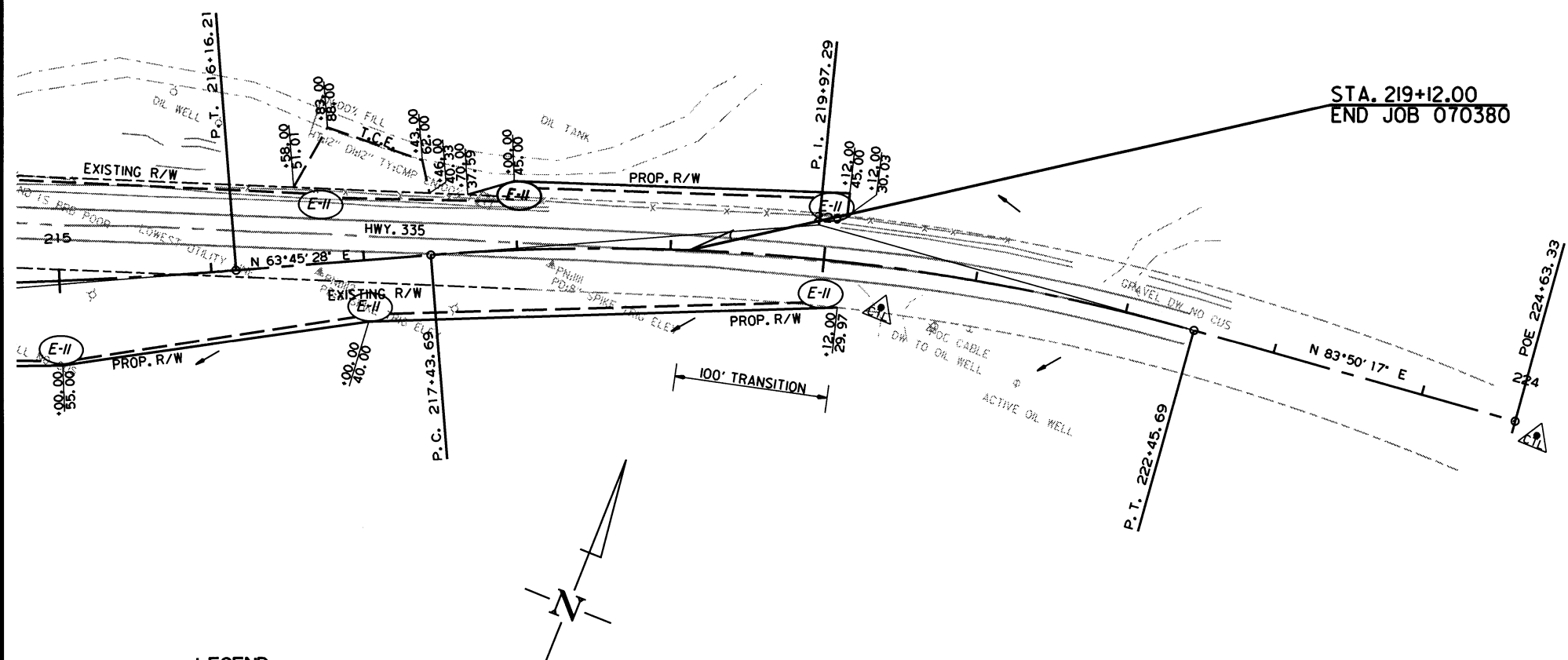
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CLEARING AND GRUBBING  
TEMPORARY EROSION CONTROL DETAILS

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② TEMPORARY EROSION CONTROL DETAILS



LEGEND

- E-5 = SAND BAG DITCH CHECKS
- E-14 = SEDIMENT BASIN
- E-11 = SILT FENCE

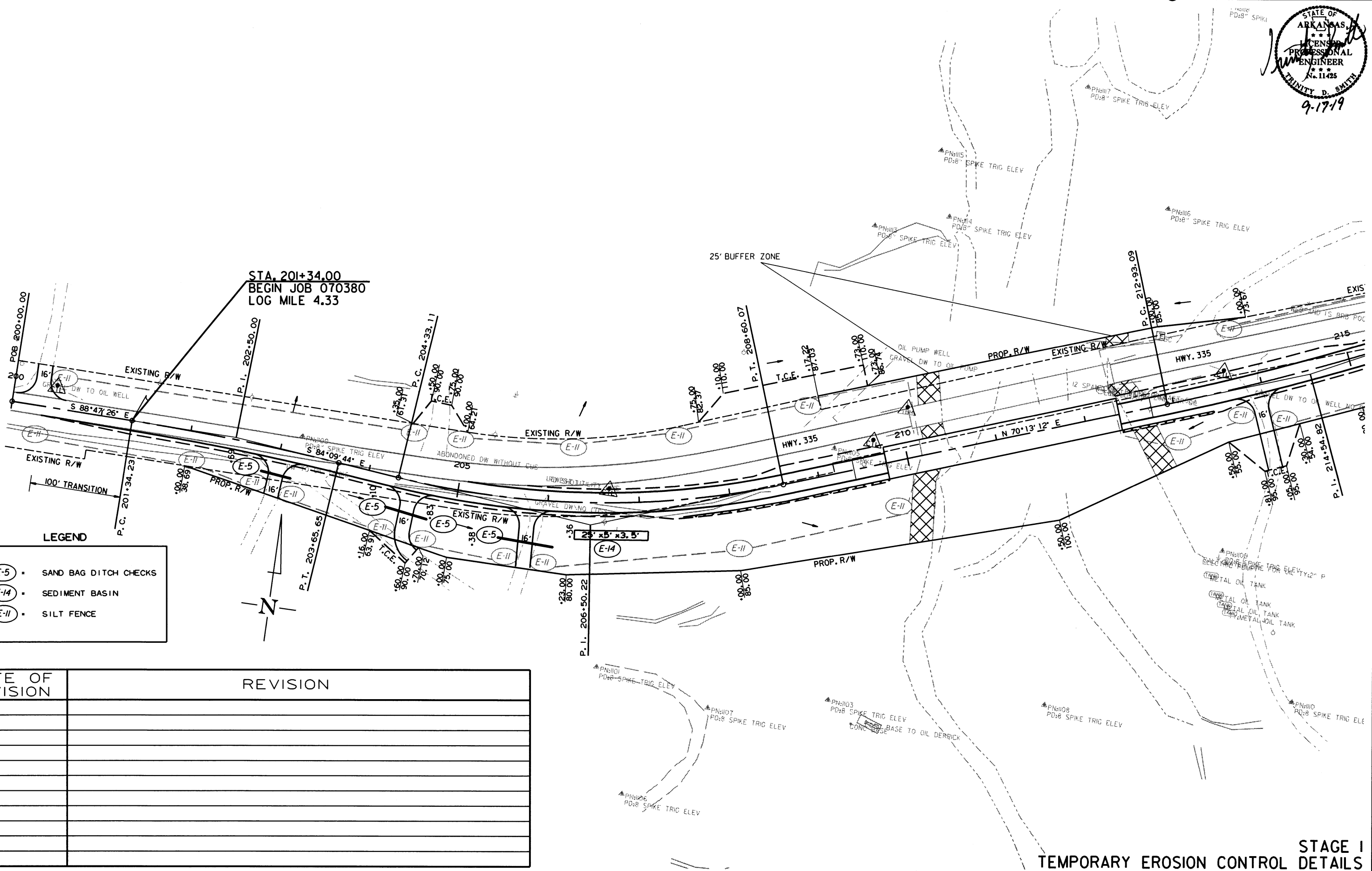
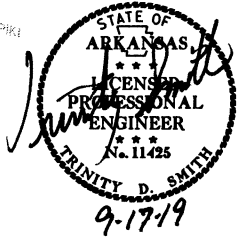
| DATE OF REVISION | REVISION |
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CLEARING AND GRUBBING  
TEMPORARY EROSION CONTROL DETAILS

9/12/2019  
R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 8         | 51           |

2 TEMPORARY EROSION CONTROL DETAILS



STA. 201+34.00  
BEGIN JOB 070380  
LOG MILE 4.33

**LEGEND**

|        |                       |
|--------|-----------------------|
| (E-5)  | SAND BAG DITCH CHECKS |
| (E-14) | SEDIMENT BASIN        |
| (E-11) | SILT FENCE            |

| DATE OF REVISION | REVISION |
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|                  |          |
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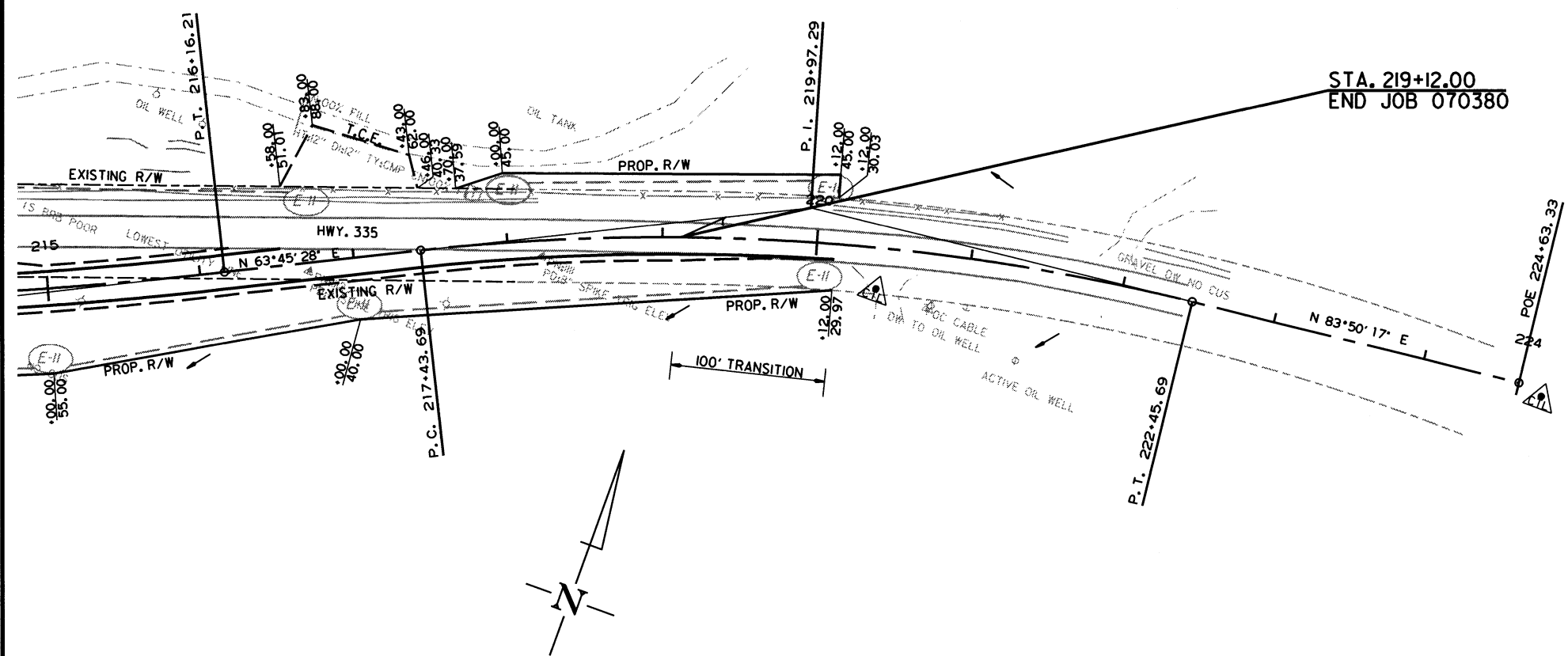
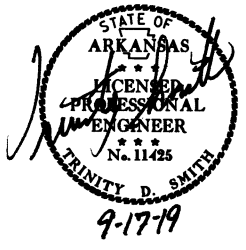
STAGE I  
TEMPORARY EROSION CONTROL DETAILS

9/12/2019  
R070380.DGN



| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  |                    |           |              |
|              |             |              |             |                    |       | 070380             | 9         | 51           |

② TEMPORARY EROSION CONTROL DETAILS



LEGEND

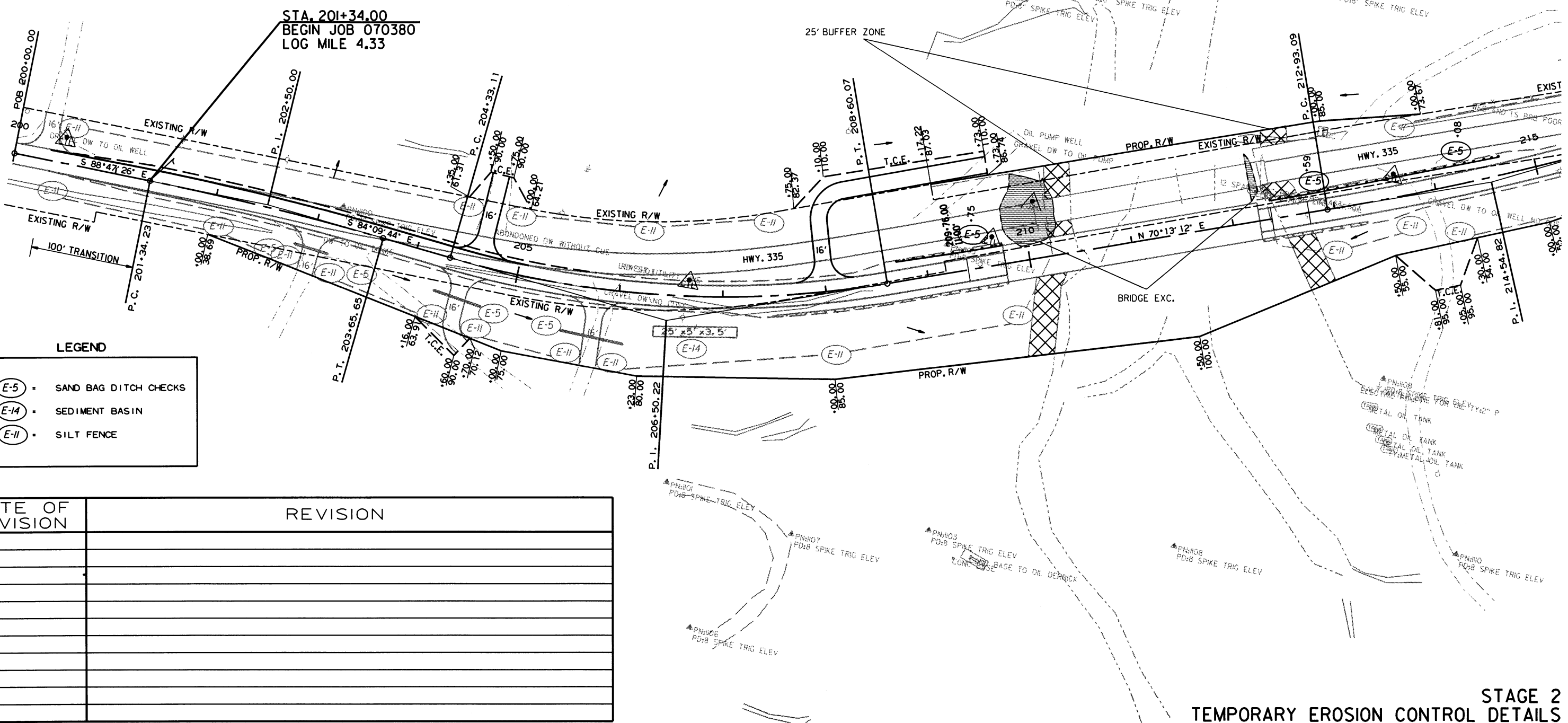
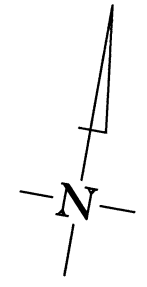
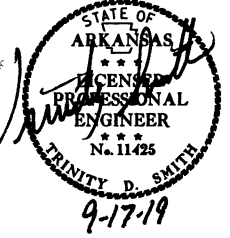
- (E-5) = SAND BAG DITCH CHECKS
- (E-14) = SEDIMENT BASIN
- (E-11) = SILT FENCE

| DATE OF REVISION | REVISION |
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9/12/2019  
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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  |                    | 10        | 51           |
|              |             |              |             | JOB NO.            |       | 070380             |           |              |

2 TEMPORARY EROSION CONTROL DETAILS



LEGEND

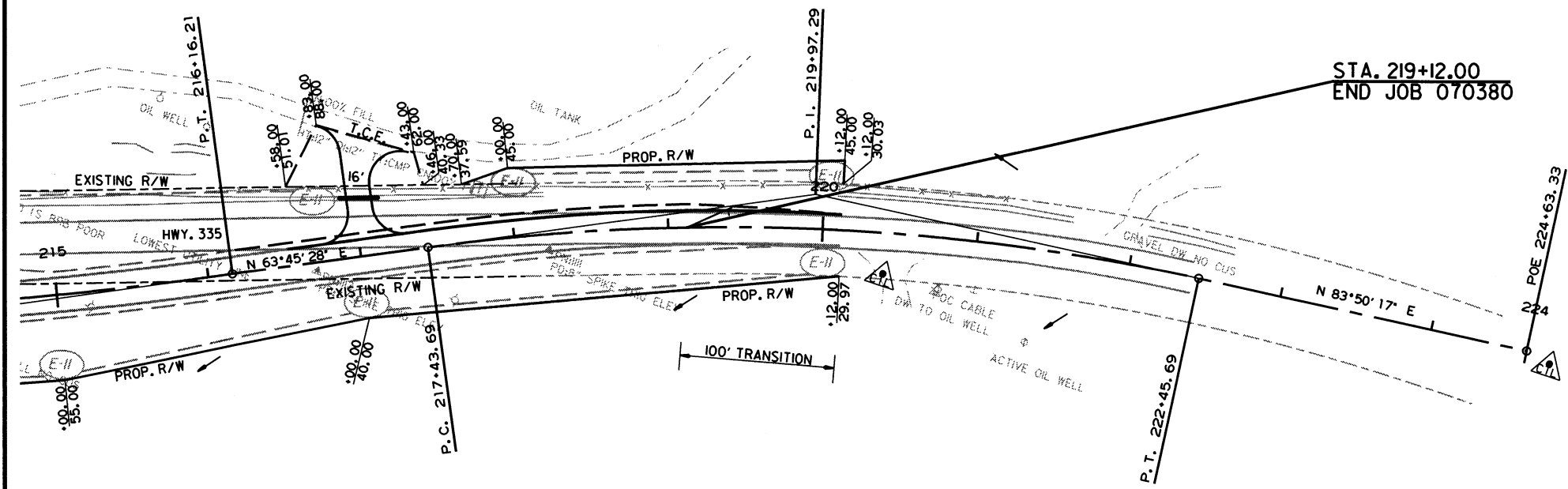
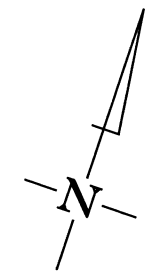
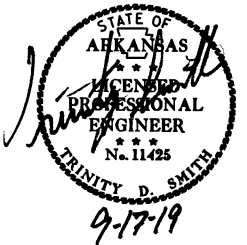
- (E-5) - SAND BAG DITCH CHECKS
- (E-14) - SEDIMENT BASIN
- (E-11) - SILT FENCE

| DATE OF REVISION | REVISION |
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9/12/2019  
R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 11        | 51           |

② TEMPORARY EROSION CONTROL DETAILS



LEGEND

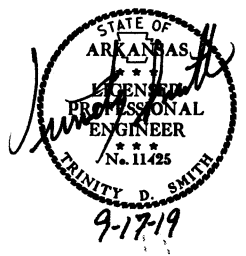
- (E-5) = SAND BAG DITCH CHECKS
- (E-14) = SEDIMENT BASIN
- (E-11) = SILT FENCE

| DATE OF REVISION | REVISION |
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9/12/2019 R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 12        | 51           |

② MAINTENANCE OF TRAFFIC DETAILS



SEQUENCE OF CONSTRUCTION

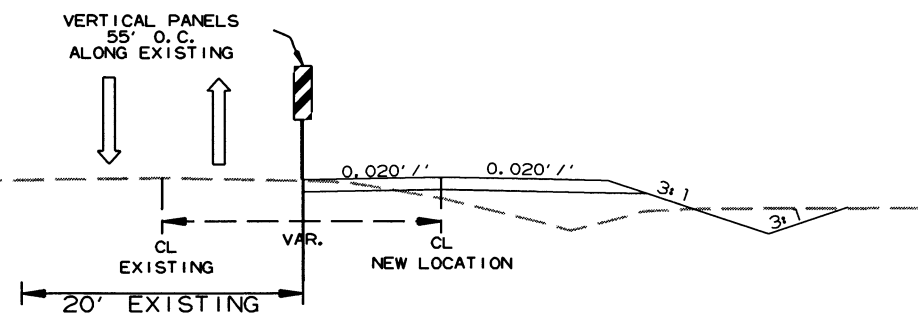
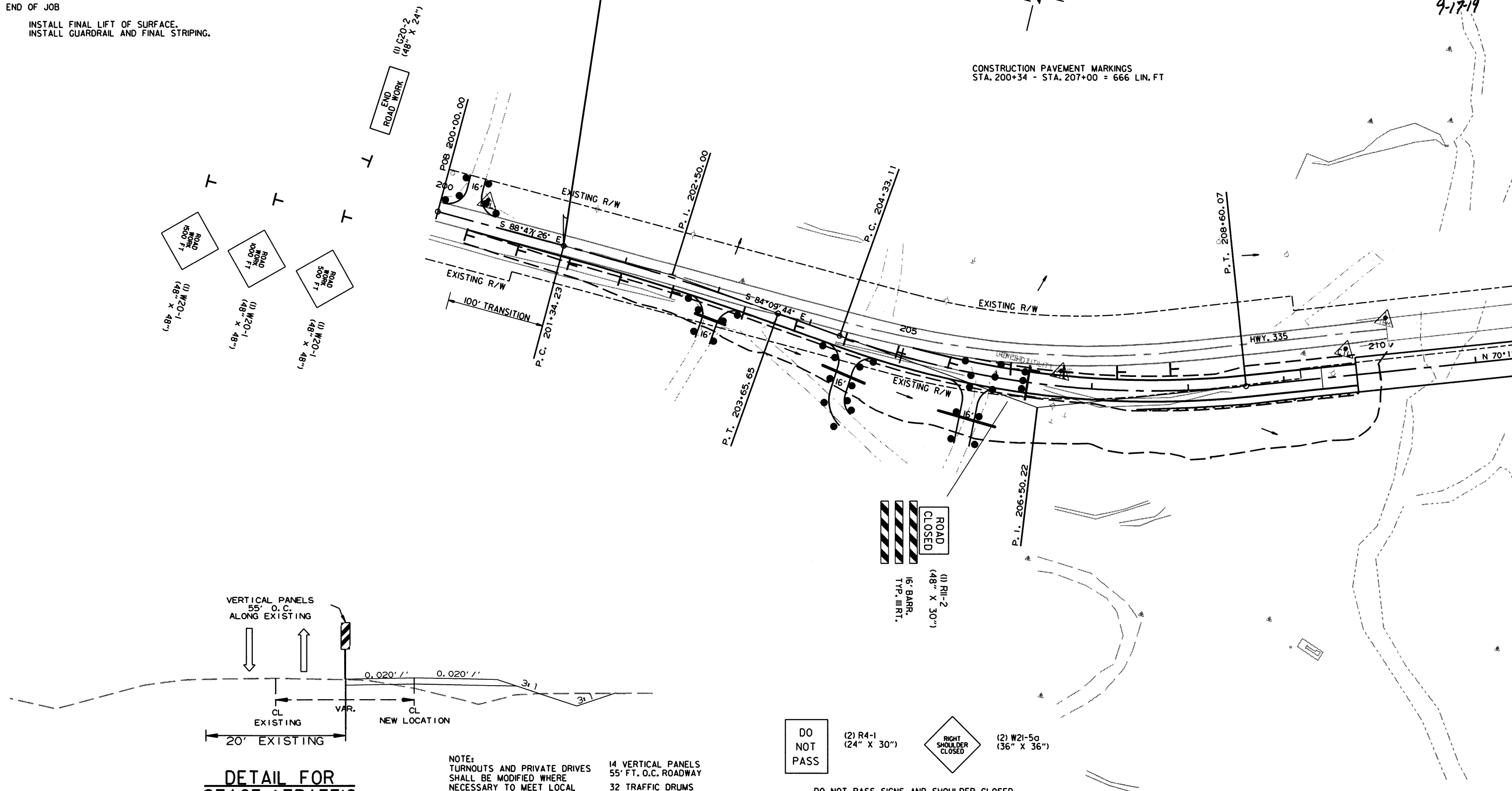
STAGE 1  
 MAINTAIN TRAFFIC ON EXISTING LANES.  
 CONSTRUCT NEW LOCATION ON RT. SIDE.  
 CONSTRUCT BRIDGE.  
 CONSTRUCT APPROACHES ON RT. SIDE.

STAGE 2  
 SHIFT TRAFFIC TO NEW LOCATION.  
 REMOVE EXISTING BRIDGE.  
 REMOVE EXISTING LANES.  
 FINISH NEW LOCATION ON LT. SIDE.

END OF JOB  
 INSTALL FINAL LIFT OF SURFACE.  
 INSTALL GUARDRAIL AND FINAL STRIPING.

STA. 201+34.00  
 BEGIN JOB 070380  
 LOG MILE 4.33

CONSTRUCTION PAVEMENT MARKINGS  
 STA. 200+34 - STA. 207+00 = 666 LIN. FT



DETAIL FOR  
 STAGE I TRAFFIC

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

14 VERTICAL PANELS  
 55' FT. O.C. ROADWAY  
 32 TRAFFIC DRUMS  
 20' O.C. DRIVEWAY

DO NOT PASS (2) R4-1 (24" X 30")

RIGHT SHOULDER CLOSED (2) W21-5a (36" X 36")

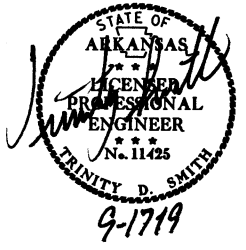
DO NOT PASS SIGNS AND SHOULDER CLOSED TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

STAGE 1  
 MAINTENANCE OF TRAFFIC DETAILS

9/12/2019  
 R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 13        | 51           |

② MAINTENANCE OF TRAFFIC DETAILS

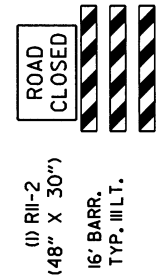
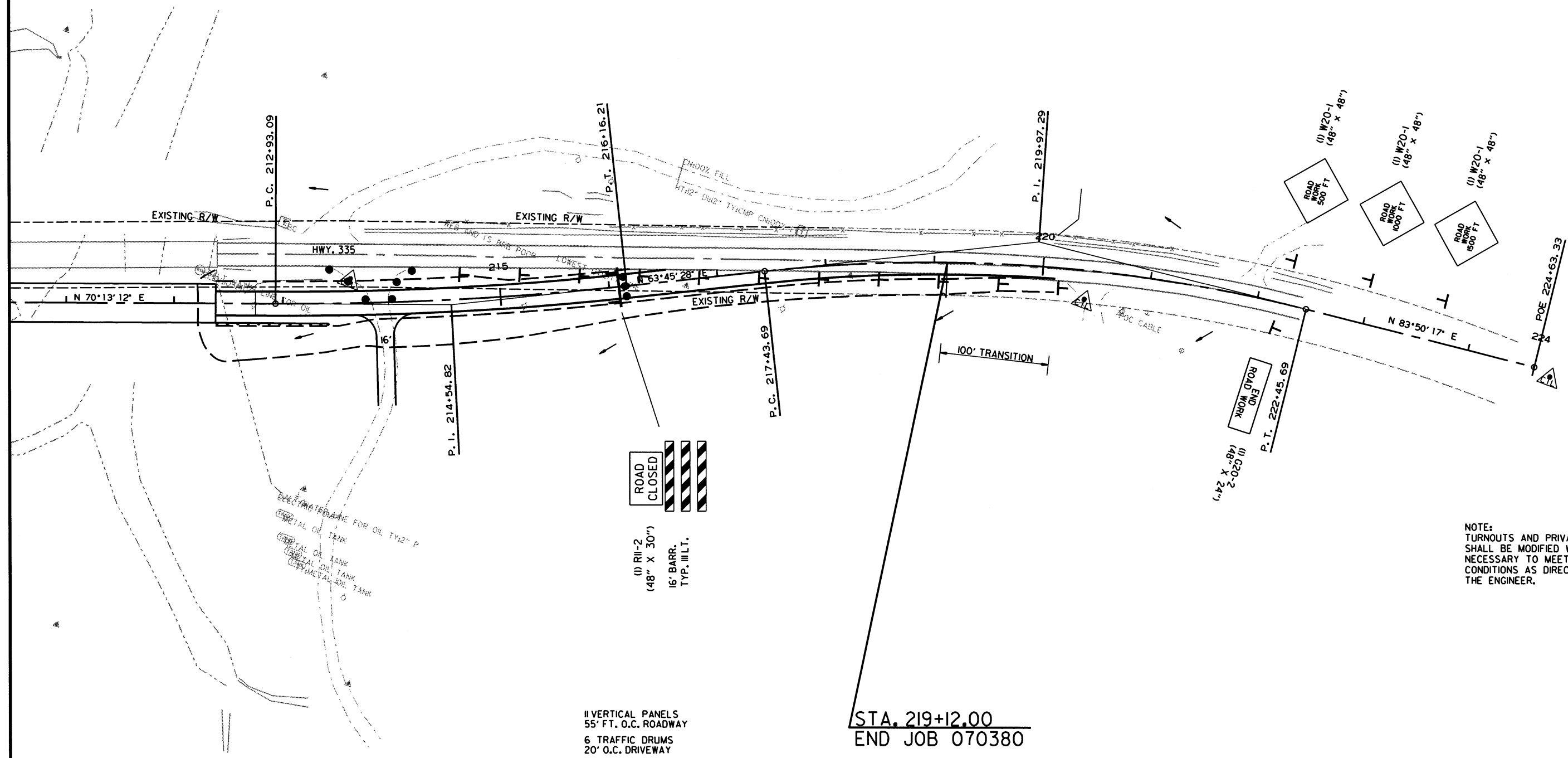
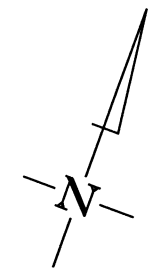


SEQUENCE OF CONSTRUCTION

STAGE 1  
 MAINTAIN TRAFFIC ON EXISTING LANES.  
 CONSTRUCT NEW LOCATION ON RT. SIDE.  
 CONSTRUCT BRIDGE.  
 CONSTRUCT APPROACHES ON RT. SIDE.

STAGE 2  
 SHIFT TRAFFIC TO NEW LOCATION.  
 REMOVE EXISTING BRIDGE.  
 REMOVE EXISTING LANES.  
 FINISH NEW LOCATION ON LT. SIDE.

END OF JOB  
 INSTALL FINAL LIFT OF SURFACE.  
 INSTALL GUARDRAIL AND FINAL STRIPING.



|| VERTICAL PANELS  
 55' FT. O.C. ROADWAY  
 6 TRAFFIC DRUMS  
 20' O.C. DRIVEWAY

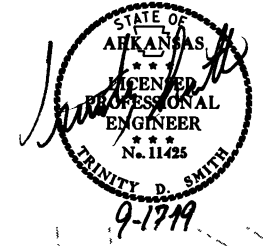
STA. 219+12.00  
 END JOB 070380

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

9/12/2019  
 R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO.      | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|----------------|--------------|
|              |             |              |             | 6                  | ARK.  |                    |                |              |
|              |             |              |             |                    |       |                    | JOB NO. 070380 | 14 51        |

② MAINTENANCE OF TRAFFIC DETAILS



SEQUENCE OF CONSTRUCTION

STAGE 1

MAINTAIN TRAFFIC ON EXISTING LANES.  
 CONSTRUCT NEW LOCATION ON RT. SIDE.  
 CONSTRUCT BRIDGE.  
 CONSTRUCT APPROACHES ON RT. SIDE.

STAGE 2

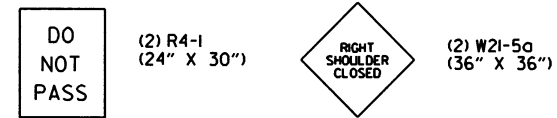
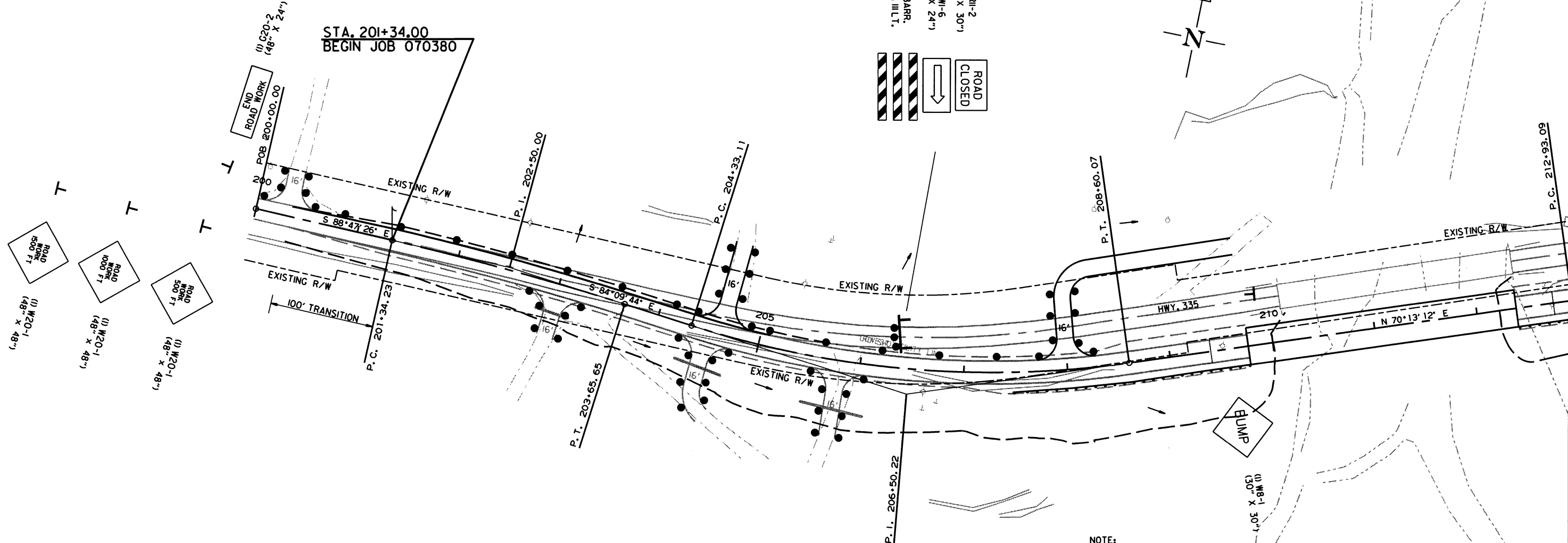
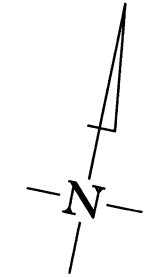
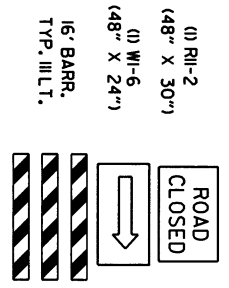
SHIFT TRAFFIC TO NEW LOCATION.  
 REMOVE EXISTING BRIDGE.  
 REMOVE EXISTING LANES.  
 FINISH NEW LOCATION ON LT. SIDE.

END OF JOB

INSTALL FINAL LIFT OF SURFACE.  
 INSTALL GUARDRAIL AND FINAL STRIPING.

REMOVAL OF PERMANENT PAVEMENT MARKINGS  
 RT. EDGE LINE + DBL. CENTERLINE MARKINGS  
 STA. 201+34 - STA. 206+50 = 2070 LIN. FT  
 STA. 216+16 - STA. 219+12 = 1190 LIN. FT

CONSTRUCTION PAVEMENT MARKINGS  
 STA. 200+34 - STA. 220+12 = 7920 LIN. FT



DO NOT PASS SIGNS AND SHOULDER CLOSED TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

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

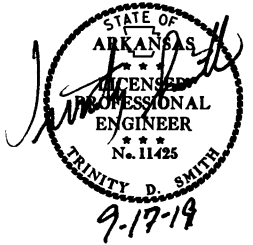
12 TRAFFIC DRUMS  
 55' FT. O.C. ROADWAY  
 47 TRAFFIC DRUMS  
 20' O.C. DRIVEWAY

9/12/2019

R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 15        | 51           |

② MAINTENANCE OF TRAFFIC DETAILS



SEQUENCE OF CONSTRUCTION

STAGE 1

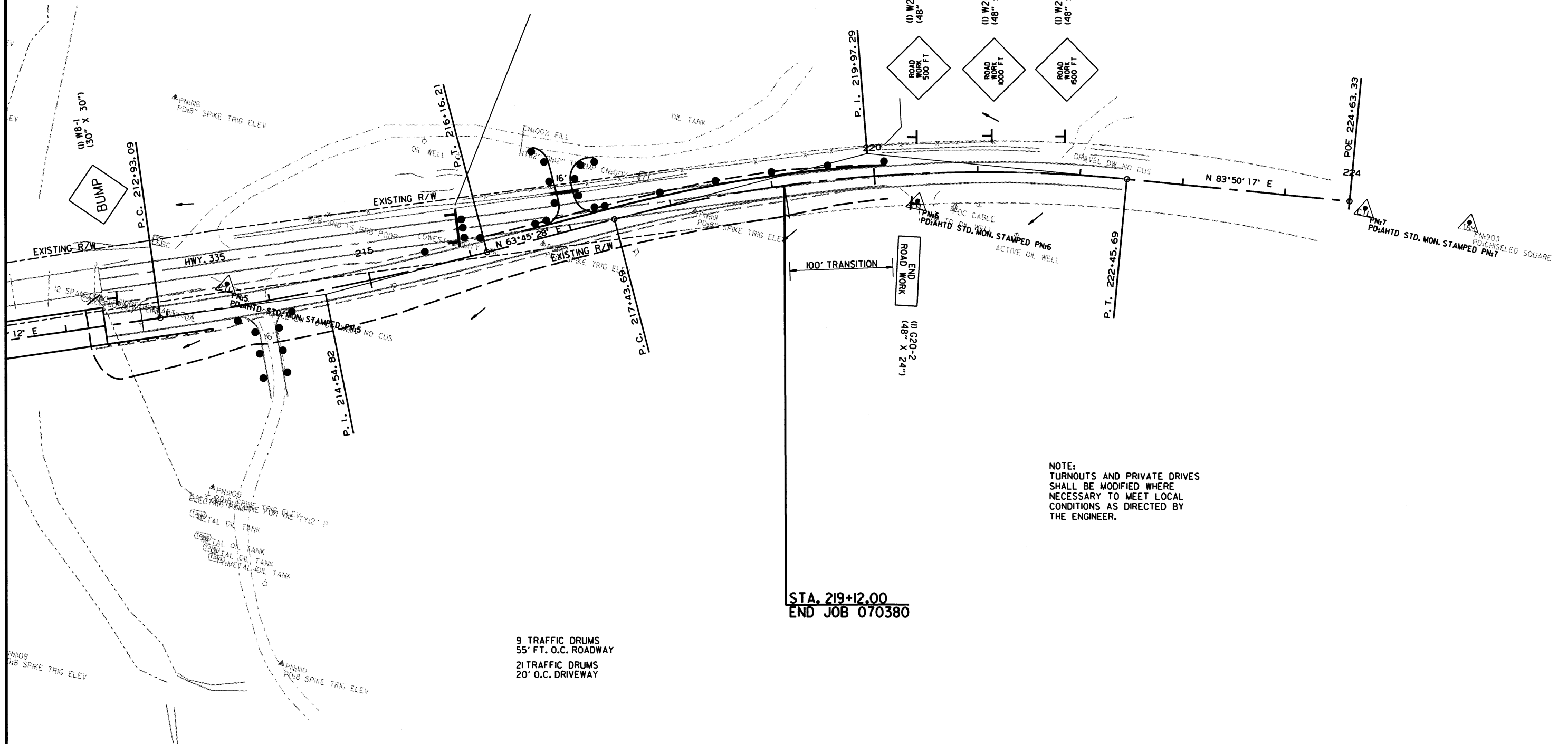
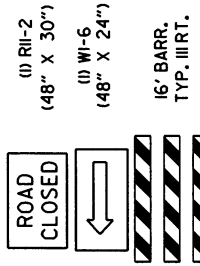
MAINTAIN TRAFFIC ON EXISTING LANES.  
CONSTRUCT NEW LOCATION ON RT. SIDE.  
CONSTRUCT BRIDGE.  
CONSTRUCT APPROACHES ON RT. SIDE.

STAGE 2

SHIFT TRAFFIC TO NEW LOCATION.  
REMOVE EXISTING BRIDGE.  
REMOVE EXISTING LANES.  
FINISH NEW LOCATION ON LT. SIDE.

END OF JOB

INSTALL FINAL LIFT OF SURFACE.  
INSTALL GUARDRAIL AND FINAL STRIPING.



STA. 219+12.00  
END JOB 070380

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

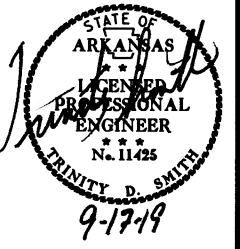
9 TRAFFIC DRUMS  
55' FT. O.C. ROADWAY  
21 TRAFFIC DRUMS  
20' O.C. DRIVEWAY

9/12/2019

R070380.DGN

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 16        | 51           |

② PERMANENT PAVEMENT MARKING DETAILS



SEQUENCE OF CONSTRUCTION

STAGE 1

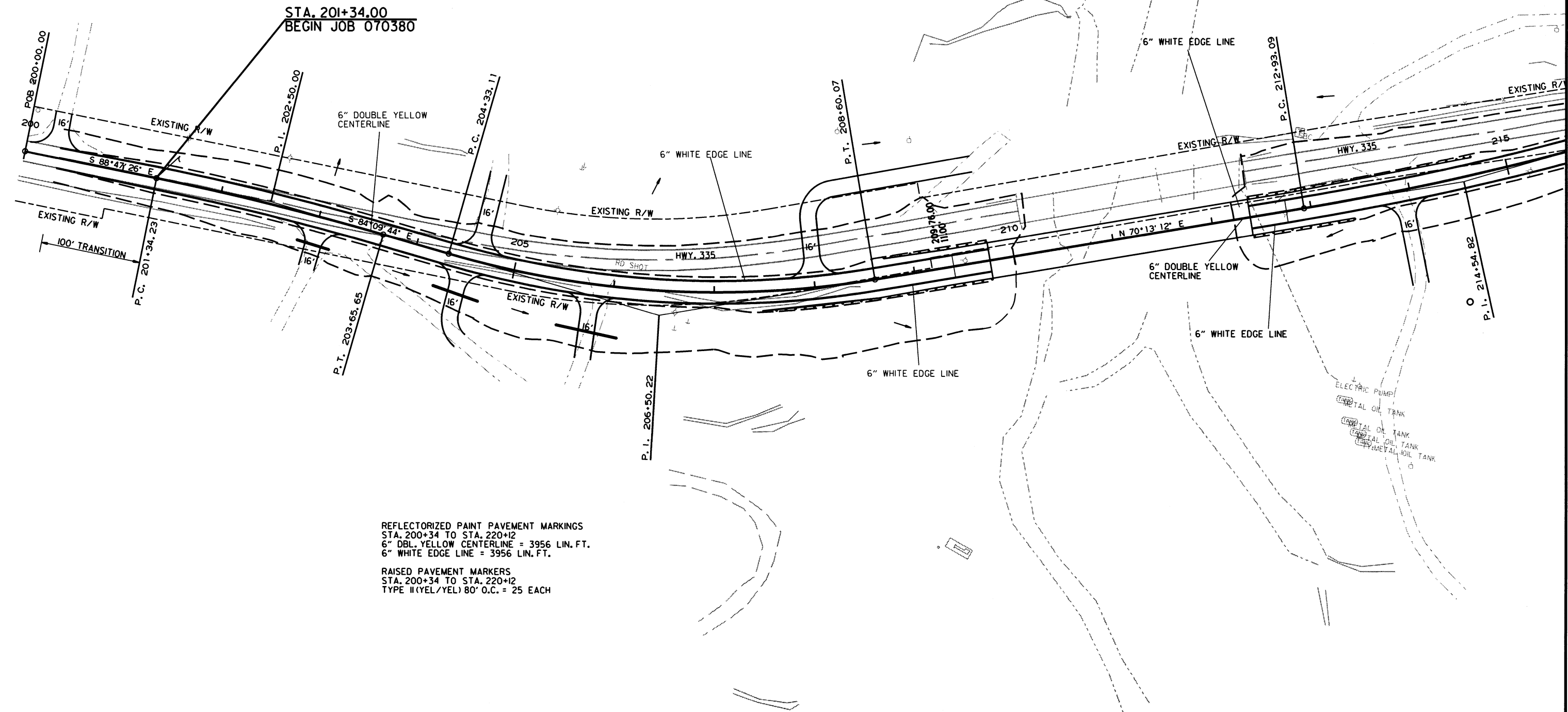
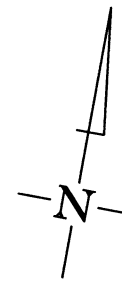
MAINTAIN TRAFFIC ON EXISTING LANES.  
 CONSTRUCT NEW LOCATION ON RT. SIDE.  
 CONSTRUCT BRIDGE.  
 CONSTRUCT APPROACHES ON RT. SIDE.

STAGE 2

SHIFT TRAFFIC TO NEW LOCATION.  
 REMOVE EXISTING BRIDGE.  
 REMOVE EXISTING LANES.  
 FINISH NEW LOCATION ON LT. SIDE.

END OF JOB

INSTALL FINAL LIFT OF SURFACE.  
 INSTALL GUARDRAIL AND FINAL STRIPING.



STA. 201+34.00  
 BEGIN JOB 070380

REFLECTORIZED PAINT PAVEMENT MARKINGS  
 STA. 200+34 TO STA. 220+12  
 6" DBL. YELLOW CENTERLINE = 3956 LIN. FT.  
 6" WHITE EDGE LINE = 3956 LIN. FT.

RAISED PAVEMENT MARKERS  
 STA. 200+34 TO STA. 220+12  
 TYPE II (YEL/YEL) 80' O.C. = 25 EACH

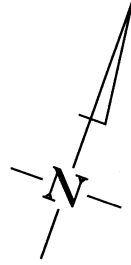
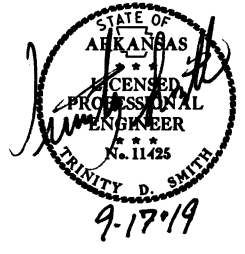
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PERMANENT PAVEMENT MARKING DETAILS



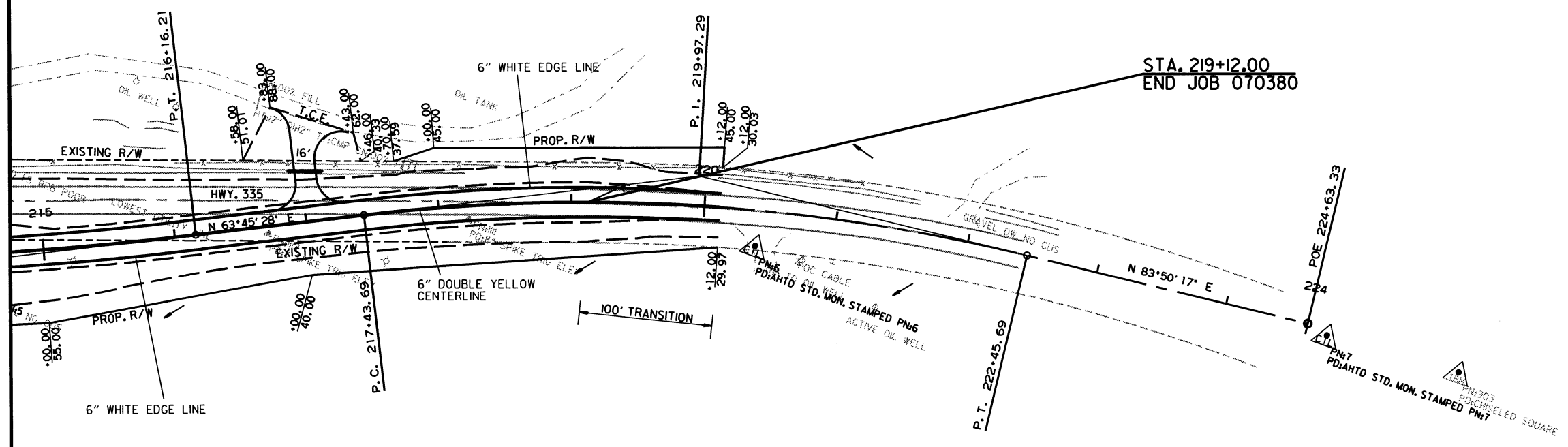
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. AID DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  |                    |           |              |
|              |             |              |             |                    |       | JOB NO. 070380     | 17        | 51           |

② PERMANENT PAVEMENT MARKING DETAILS



SEQUENCE OF CONSTRUCTION

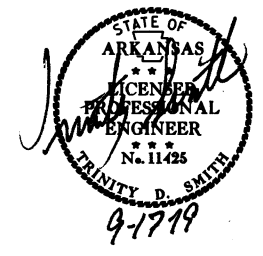
- STAGE 1  
 MAINTAIN TRAFFIC ON EXISTING LANES.  
 CONSTRUCT NEW LOCATION ON RT. SIDE.  
 CONSTRUCT BRIDGE.  
 CONSTRUCT APPROACHES ON RT. SIDE.
- STAGE 2  
 SHIFT TRAFFIC TO NEW LOCATION.  
 REMOVE EXISTING BRIDGE.  
 REMOVE EXISTING LANES.  
 FINISH NEW LOCATION ON LT. SIDE.
- END OF JOB  
 INSTALL FINAL LIFT OF SURFACE.  
 INSTALL GUARDRAIL AND FINAL STRIPING.



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|              |             |              |             |                    |        |                    |           |              |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 18        | 51           |

② QUANTITIES



**ADVANCE WARNING SIGNS AND DEVICES**

| SIGN NUMBER    | DESCRIPTION                  | SIGN SIZE | STAGE 1 | STAGE 2 | END OF JOB | MAXIMUM NUMBER REQUIRED | TOTAL SIGNS REQUIRED |         | VERTICAL PANELS | TRAFFIC DRUMS | BARRICADES (TYPE III) |          |      |
|----------------|------------------------------|-----------|---------|---------|------------|-------------------------|----------------------|---------|-----------------|---------------|-----------------------|----------|------|
|                |                              |           |         |         |            |                         | NO.                  | SQ. FT. |                 |               | EACH                  | RIGHT    | LEFT |
|                |                              |           |         |         |            |                         |                      |         |                 |               |                       | LIN. FT. |      |
| W20-1          | ROAD WORK 1500 FT.           | 48"x48"   | 2       | 2       | 2          | 2                       | 2                    | 32.0    |                 |               |                       |          |      |
| W20-1          | ROAD WORK 1000 FT.           | 48"x48"   | 2       | 2       | 2          | 2                       | 2                    | 32.0    |                 |               |                       |          |      |
| W20-1          | ROAD WORK 500 FT.            | 48"x48"   | 2       | 2       | 2          | 2                       | 2                    | 32.0    |                 |               |                       |          |      |
| G20-2          | END ROAD WORK                | 48"x24"   | 2       | 2       | 2          | 2                       | 2                    | 16.0    |                 |               |                       |          |      |
| R11-2          | ROAD CLOSED                  | 48"x30"   | 2       | 2       | 2          | 2                       | 2                    | 20.0    |                 |               |                       |          |      |
| R4-1           | DO NOT PASS                  | 24"x30"   | 2       | 2       | 2          | 2                       | 2                    | 10.0    |                 |               |                       |          |      |
| W21-5a         | RIGHT SHOULDER CLOSED        | 36"x36"   | 2       | 2       | 2          | 2                       | 2                    | 18.0    |                 |               |                       |          |      |
| W1-6           | LARGE ARROW                  | 48"x24"   |         | 2       |            | 2                       | 2                    | 16.0    |                 |               |                       |          |      |
| W8-1           | BUMP                         | 30"x30"   |         | 2       |            | 2                       | 2                    | 12.5    |                 |               |                       |          |      |
|                | VERTICAL PANELS              |           | 25      |         |            | 25                      |                      |         | 25              |               |                       |          |      |
|                | TRAFFIC DRUMS                |           | 38      | 89      |            | 89                      |                      |         | 89              |               |                       |          |      |
|                | TYPE III BARRICADE-RT. (16') |           | 1       | 1       |            | 1                       |                      |         |                 |               | 16                    |          |      |
|                | TYPE III BARRICADE-LT. (16') |           | 1       | 1       |            | 1                       |                      |         |                 |               |                       | 16       |      |
| <b>TOTALS:</b> |                              |           |         |         |            |                         |                      | 188.5   | 25              | 89            | 16                    | 16       |      |

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

**CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS**

| DESCRIPTION                                      | STAGE 1 | STAGE 2 | END OF JOB | REMOVAL OF PERMANENT PAVEMENT MARKINGS | CONSTRUCTION PAVEMENT MARKINGS | RAISED PAVEMENT MARKERS | REFLECTORIZED PAINT PAVEMENT MARKING |        |
|--|---------|---------|------------|--|--------------------------------|-------------------------|--------------------------------------|--------|
|  |         |         |            |  |                                | TYPE II (YELLOW/YELLOW) | 6"                                   |        |
|  |         |         |            |  |                                |                         | WHITE                                | YELLOW |
| LIN. FT. - EACH                                  |         |         | LIN. FT.   |  |                                | EACH                    | LIN. FT.                             |        |
| REMOVAL OF PERMANENT PAVEMENT MARKINGS           | 3260    |         |            | 3260                                   |                                |                         |                                      |        |
| CONSTRUCTION PAVEMENT MARKINGS                   | 666     | 7920    |            |  | 8586                           |                         |                                      |        |
| RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW)  |         |         | 25         |  |                                | 25                      |                                      |        |
| REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")  |         |         | 3956       |  |                                |                         | 3956                                 |        |
| REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6") |         |         | 3956       |  |                                |                         |                                      | 3956   |
| <b>TOTALS:</b>                                   |         |         |            | 3260                                   | 8586                           | 25                      | 3956                                 | 3956   |

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

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

9/12/2019

R070380.DGN

QUANTITIES

**CLEARING AND GRUBBING**

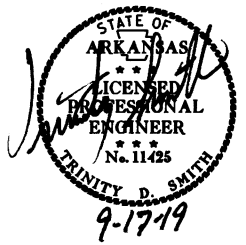
| STATION        | STATION | LOCATION              | CLEARING  | GRUBBING  |
|----------------|---------|-----------------------|-----------|-----------|
|                |         |                       | STATION   | STATION   |
| 200+34         | 220+12  | HWY. 335 - MAIN LANES | 20        | 20        |
| <b>TOTALS:</b> |         |                       | <b>20</b> | <b>20</b> |

**BENCH MARKS**

| STATION       | LOCATION           | BENCH MARKS |
|---------------|--------------------|-------------|
|               |                    | EACH        |
| 211+00        | HWY. 335 - BR. END | 1           |
| <b>TOTAL:</b> |                    | <b>1</b>    |

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

**QUANTITIES**



**REMOVAL AND DISPOSAL OF ITEMS**

| STATION        | STATION | LOCATION          | GUARDRAIL  |
|----------------|---------|-------------------|------------|
|                |         |                   | LIN. FT.   |
| 209+81         | 210+07  | HWY. 335 LT. SIDE | 26         |
| 209+81         | 210+07  | HWY. 335 RT. SIDE | 26         |
| 212+45         | 212+70  | HWY. 335 LT. SIDE | 25         |
| 212+45         | 212+70  | HWY. 335 RT. SIDE | 25         |
| <b>TOTALS:</b> |         |                   | <b>102</b> |

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.

**GUARDRAIL**

| STATION        | STATION   | LOCATION | GUARDRAIL (TYPE A) | THRIE BEAM GUARDRAIL TERMINAL | GUARDRAIL TERMINAL (TYPE 2) |
|----------------|-----------|----------|--------------------|-------------------------------|-----------------------------|
|                |           |          | LIN. FT.           | EACH                          |                             |
| 208+74.60      | 209+68.35 | LT. SIDE | 75                 | 1                             | 1                           |
| 207+49.60      | 209+68.35 | RT. SIDE | 150                | 1                             | 1                           |
| 212+47.65      | 214+66.40 | LT. SIDE | 150                | 1                             | 1                           |
| 212+47.65      | 213+41.40 | RT. SIDE | 75                 | 1                             | 1                           |
| <b>TOTALS:</b> |           |          | <b>450</b>         | <b>4</b>                      | <b>4</b>                    |

**REMOVAL AND DISPOSAL OF FENCE**

| STATION       | STATION | LOCATION     | FENCE      |
|---------------|---------|--------------|------------|
|               |         |              | LIN. FT.   |
| 214+53        | 220+12  | HWY. 335 LT. | 559        |
| <b>TOTAL:</b> |         |              | <b>559</b> |

**4" PIPE UNDERDRAIN**

| STATION   | STATION | LOCATIONS | 4" PIPE UNDERDRAINS | UNDERDRAIN OUTLET PROTECTORS |
|---|---------|-----------|---------------------|------------------------------|
|   |         |           | LIN. FT.            | EACH                         |
| * ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER |         |           | 300                 | 3                            |
| <b>TOTALS:</b>  |         |           | <b>300</b>          | <b>3</b>                     |

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

**SELECTED PIPE BEDDING**

| LOCATION  | SELECTED PIPE BEDDING |
|---|-----------------------|
|   | CU.YD.                |
| ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER | 20                    |
| <b>TOTAL:</b>   | <b>20</b>             |

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

**EARTHWORK**

| STATION          | STATION   | LOCATION / DESCRIPTION                           | UNCLASSIFIED EXCAVATION | COMPACTED EMBANKMENT | * SOIL STABILIZATION |
|------------------|-----------|--|-------------------------|----------------------|----------------------|
|                  |           |  | CU. YD.                 | CU. YD.              | TON                  |
| 201+34.00        | 219+12.00 | STAGE 1-MAIN LANES                               | 1201                    | 15874                |                      |
| 201+34.00        | 219+12.00 | STAGE 2-MAIN LANES                               | 1121                    | 696                  |                      |
| 201+34.00        | 219+12.00 | APPROACHES                                       |                         | 1685                 |                      |
| 209+77.75        | 212+38.25 | BRIDGE EXCAVATION                                | 425                     |                      |                      |
| * ENTIRE PROJECT |           | TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER |                         |                      | 200                  |
| <b>TOTALS:</b>   |           |  | <b>2747</b>             | <b>18255</b>         | <b>200</b>           |

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

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

**FENCING**

| STATION        | STATION | LOCATION     | WIRE FENCE (TYPE D) |
|----------------|---------|--------------|---------------------|
|                |         |              | LIN. FT.            |
| 214+53         | 220+12  | HWY. 335 LT. | 559                 |
| <b>TOTALS:</b> |         |              | <b>559</b>          |

**COLD MILLING ASPHALT PAVEMENT**

| STATION       | STATION   | LOCATION   | AVG. WIDTH | COLD MILLING ASPHALT PAVEMENT |
|---------------|-----------|------------|------------|-------------------------------|
|               |           |            | FEET       | SQ. YD.                       |
| 200+34.00     | 201+34.00 | MAIN LANES | 20.00      | 222.22                        |
| 219+12.00     | 220+12.00 | MAIN LANES | 20.00      | 222.22                        |
| <b>TOTAL:</b> |           |            |            | <b>444.44</b>                 |

NOTE: AVERAGE MILLING DEPTH 1".

**SOIL LOG**

| STATION | LATITUDE |     |       | LONGITUDE |     |       | LOCATION | DEPTH FEET | LIQUID LIMIT | PLASTICITY INDEX | AASHTO CLASSIFICATION | COLOR |
|---------|----------|-----|-------|-----------|-----|-------|----------|------------|--------------|------------------|-----------------------|-------|
|         | DEG      | MIN | SEC   | DEG       | MIN | SEC   |          |            |              |                  |                       |       |
| 204+00  | 33       | 19  | 23.00 | 92        | 37  | 31.10 | 6 RT.    | 0-5        | ND           | NP               | A-4(0)                | BROWN |
| 204+00  | 33       | 19  | 22.90 | 92        | 37  | 31.10 | 21 RT.   | 0-5        | ND           | NP               | A-4(0)                | BROWN |
| 221+00  | 33       | 19  | 27.30 | 92        | 37  | 14.30 | 6 LT.    | 0-5        | ND           | NP               | A-2-4(0)              | BROWN |
| 221+00  | 33       | 19  | 27.60 | 92        | 37  | 14.30 | 25 LT.   | 0-5        | ND           | NP               | A-4(0)                | BROWN |

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.  
 NP - NON-PLASTIC  
 ND - NOT DETERMINABLE

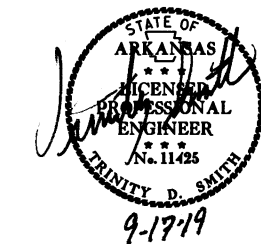
**APPROACH GUTTERS AND SLABS**

| STATION        | STATION   | LOCATION               | APPROACH GUTTER (TYPE C) | APPROACH SLABS (TYPE SPECIAL) | REINFORCING STEEL-RDWY. (GR. 60) | AGGREGATE BASE CRS. (CLASS 7) |
|----------------|-----------|------------------------|--------------------------|-------------------------------|----------------------------------|-------------------------------|
|                |           |                        | CU.YD.                   | CU.YD.                        | POUND                            | TON                           |
| 209+67.75      | 209+77.75 | APPROACH GUTTER ON LT. | 8.30                     |                               | 445                              |                               |
| 209+67.75      | 209+77.75 | APPROACH GUTTER ON RT. | 8.30                     |                               | 445                              |                               |
| 212+38.25      | 212+48.25 | APPROACH GUTTER ON LT. | 8.30                     |                               | 445                              |                               |
| 212+38.25      | 212+48.25 | APPROACH GUTTER ON RT. | 8.30                     |                               | 445                              |                               |
| 209+39.50      | 209+77.75 | APPROACH SLAB          |                          | 45.25                         | 5530                             | 29.40                         |
| 212+38.25      | 212+74.75 | APPROACH SLAB          |                          | 45.25                         | 5530                             | 29.40                         |
| <b>TOTALS:</b> |           |                        | <b>33.20</b>             | <b>90.50</b>                  | <b>12840</b>                     | <b>58.80</b>                  |

NOTE: USE T=13" FOR 2' SHOULDER.

|              |             |              |             |                    |       |                    |           |              |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|              |             |              |             | 6                  | ARK.  |                    |           |              |
|              |             |              |             | JOB NO.            |       | 070380             | 20        | 51           |

② QUANTITIES



**EROSION CONTROL**

| STATION   | STATION | LOCATION              | PERMANENT EROSION CONTROL |              |             |              |                            | TEMPORARY EROSION CONTROL |             |              |                             |                   |                       |                                |                              |  |  |            |
|---|---------|-----------------------|---------------------------|--------------|-------------|--------------|----------------------------|---------------------------|-------------|--------------|-----------------------------|-------------------|-----------------------|--------------------------------|------------------------------|--|--|------------|
|   |         |                       | SEEDING                   | LIME         | MULCH COVER | WATER        | SECOND SEEDING APPLICATION | TEMPORARY SEEDING         | MULCH COVER | WATER        | SAND BAG DITCH CHECKS (E-5) | SILT FENCE (E-11) | SEDIMENT BASIN (E-14) | OBLITERATION OF SEDIMENT BASIN | *SEDIMENT REMOVAL & DISPOSAL |  |  |            |
|   |         |                       | ACRE                      | TON          | ACRE        | M.GAL.       | ACRE                       | ACRE                      | ACRE        | M.GAL.       | BAG                         | LIN. FT.          | CU.YD.                | CU.YD.                         | CU. YD.                      |  |  |            |
| ENTIRE PROJECT  |         | CLEARING AND GRUBBING |                           |              |             |              |                            |                           |             |              |                             |                   |                       |                                |                              |  |  |            |
| ENTIRE PROJECT  |         | STAGE 1               | 1.75                      | 3.50         | 1.75        | 178.5        | 1.75                       |                           |             |              |                             |                   |                       |                                |                              |  |  | 117        |
| ENTIRE PROJECT  |         | STAGE 2               | 1.87                      | 3.74         | 1.87        | 190.7        | 1.87                       |                           |             |              |                             |                   |                       |                                |                              |  |  | 442        |
|   |         |                       |                           |              |             |              |                            |                           |             |              |                             |                   |                       |                                |                              |  |  | 3          |
| *ENTIRE PROJECT TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER. |         |                       | 2.00                      | 4.00         | 2.00        | 204.0        | 2.00                       | 2.00                      | 2.00        | 40.8         | 88                          | 500               | 200                   | 200                            |                              |  |  | 19         |
| <b>TOTALS:</b>  |         |                       | <b>5.62</b>               | <b>11.24</b> | <b>5.62</b> | <b>573.2</b> | <b>5.62</b>                | <b>5.79</b>               | <b>5.79</b> | <b>118.1</b> | <b>242</b>                  | <b>3664</b>       | <b>638</b>            | <b>638</b>                     |                              |  |  | <b>581</b> |

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  
 SAND BAG DITCH CHECKS .....22 BAGS / LOCATION

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

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

**DRIVEWAYS & TURNOUTS**

| STATION                           | SIDE | LOCATION | WIDTH | ACHM SURFACE COURSE (1/2") 220 LBS. PER SQ. YD. (PG 64-22) |               | AGGREGATE BASE COURSE (CLASS 7) | SIDE DRAINS | STANDARD DRAWINGS          |     |     |
|-----------------------------------|------|----------|-------|--|---------------|---------------------------------|-------------|----------------------------|-----|-----|
|                                   |      |          |       | FEET   | SQ. YD.       |                                 |             |                            | TON | TON |
|                                   |      |          |       | 18"  | TON           |                                 |             |                            | TON | TON |
| 200+34                            | LT   | HWY. 335 | 16    | 65.98  | 7.26          | 26.94                           |             |                            |     |     |
| 203+00                            | RT   | HWY. 335 | 16    | 65.65  | 7.22          | 26.81                           | 34          | PCC-1, PCM-1, PCP-1, PCP-2 |     |     |
| 204+54                            | RT   | HWY. 335 | 16    | 107.81   | 11.86         | 44.02                           | 48          | PCC-1, PCM-1, PCP-1, PCP-2 |     |     |
| 204+54                            | LT   | HWY. 335 | 16    | 130.04   | 14.30         | 53.10                           |             |                            |     |     |
| 205+78                            | RT   | HWY. 335 | 16    | 108.72   | 11.96         | 44.39                           | 60          | PCC-1, PCM-1, PCP-1, PCP-2 |     |     |
| 208+00                            | LT   | HWY. 335 | 16    | 393.04   | 43.23         | 160.49                          |             |                            |     |     |
| 213+93                            | RT   | HWY. 335 | 16    | 138.93   | 15.28         | 56.73                           |             |                            |     |     |
| 217+00                            | LT   | HWY. 335 | 16    | 119.73   | 13.17         | 48.89                           | 28          | PCC-1, PCM-1, PCP-1, PCP-2 |     |     |
| * ENTIRE PROJECT TEMPORARY DRIVES |      |          |       |  |               | 200.00                          |             |                            |     |     |
| <b>TOTALS:</b>                    |      |          |       | <b>1129.90</b>   | <b>124.28</b> | <b>661.37</b>                   | <b>170</b>  |                            |     |     |

BASIS OF ESTIMATE:

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

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

NOTE: FOR 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.

**ACHM PATCHING OF EXISTING ROADWAY**

| DESCRIPTION   | TON        |
|---|------------|
| ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER | 100        |
| <b>TOTAL:</b>   | <b>100</b> |

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

**ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC**

| LOCATION  | TON      | TACK COAT |
|---|----------|-----------|
|   |          | GALLON    |
| ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER | 8        | 16        |
| <b>TOTALS:</b>  | <b>8</b> | <b>16</b> |

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.

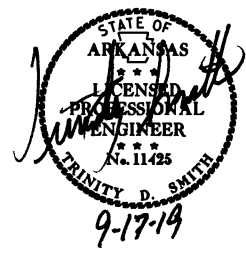
9/12/2019

R070380.DGN

QUANTITIES

|              |             |              |             |                |       |                    |           |              |
|--------------|-------------|--------------|-------------|----------------|-------|--------------------|-----------|--------------|
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. PROJ. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|              |             |              |             | 6              | ARK.  |                    | 21        | 51           |
|              |             |              |             | JOB NO.        |       | 070380             | 21        | 51           |

② QUANTITIES



BASE AND SURFACING

| STATION                              | STATION   | LOCATION                 | LENGTH<br>FEET | AGGREGATE BASE COURSE (CLASS 7) |         | TACK COAT               |         |        |                         |         |        | 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. FEET | SQ.YD.  | POUND / SQ.YD. | PG 64-22 TON               | AVG. WID. FEET | SQ.YD.  | POUND / SQ.YD. | PG 64-22 TON | AVG. WID. FEET | SQ.YD.  | POUND / SQ.YD. | PG 64-22 TON | TOTAL PG 64-22 TON |      |        |        |
|                                      |           |                          |                |                                 |         | TOTAL WID. FEET         | SQ.YD.  | GALLON | TOTAL WID. FEET         | SQ.YD.  | GALLON |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| <b>MAIN LANES</b>                    |           |                          |                |                                 |         |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 200+34.00                            | 201+34.00 | HWY. 335 TRANSITION      | 100.00         | 43.75                           | 43.75   | 26.35                   | 292.78  | 14.64  | 20.00                   | 222.22  | 37.78  | 52.42                   | 3.23           | 35.89   | 330.00         | 5.92                       | 3.13           | 34.78   | 220.00         | 3.83         | 23.00          | 255.56  | 220.00         | 28.11        | 31.94              |      |        |        |
| 201+34.00                            | 205+70.00 | HWY. 335 NOTCH AND WIDEN | 436.00         | 132.75                          | 578.79  | 32.71                   | 1584.62 | 79.23  |                         |         |        | 79.23                   | 6.46           | 312.95  | 330.00         | 51.64                      | 6.25           | 302.78  | 220.00         | 33.31        | 26.00          | 1259.56 | 220.00         | 138.55       | 171.86             |      |        |        |
| 205+70.00                            | 207+06.60 | HWY. 335 MAIN LANE       | 136.60         | 178.00                          | 243.15  | 44.71                   | 678.60  | 33.93  |                         |         |        | 33.93                   | 22.46          | 340.89  | 330.00         | 56.25                      | 22.25          | 337.71  | 220.00         | 37.15        | 26.00          | 394.62  | 220.00         | 43.41        | 80.56              |      |        |        |
| 207+06.60                            | 209+39.50 | HWY. 335 MAIN LANE       | 232.90         | 173.00                          | 402.92  | 44.71                   | 1157.00 | 57.85  |                         |         |        | 57.85                   | 22.46          | 581.21  | 330.00         | 95.90                      | 22.25          | 575.78  | 220.00         | 63.34        | 30.00          | 776.33  | 220.00         | 85.40        | 148.74             |      |        |        |
| 212+74.25                            | 215+09.40 | HWY. 335 MAIN LANE       | 235.15         | 173.00                          | 406.81  | 44.71                   | 1168.17 | 58.41  |                         |         |        | 58.41                   | 22.46          | 586.83  | 330.00         | 96.83                      | 22.25          | 581.34  | 220.00         | 63.95        | 30.00          | 783.83  | 220.00         | 86.22        | 150.17             |      |        |        |
| 213+84.40                            | 216+20.00 | HWY. 335 MAIN LANE       | 235.60         | 178.00                          | 419.37  | 44.71                   | 1170.41 | 58.52  |                         |         |        | 58.52                   | 22.46          | 587.95  | 330.00         | 97.01                      | 22.25          | 582.46  | 220.00         | 64.07        | 26.00          | 680.62  | 220.00         | 74.87        | 138.94             |      |        |        |
| 216+20.00                            | 219+12.00 | HWY. 335 NOTCH AND WIDEN | 292.00         | 132.75                          | 387.63  | 32.71                   | 1061.26 | 53.06  |                         |         |        | 53.06                   | 6.46           | 209.59  | 330.00         | 34.58                      | 6.25           | 202.78  | 220.00         | 22.31        | 26.00          | 843.56  | 220.00         | 92.79        | 115.10             |      |        |        |
| 219+12.00                            | 220+12.00 | HWY. 335 TRANSITION      | 100.00         | 43.75                           | 43.75   | 26.35                   | 292.78  | 14.64  | 20.00                   | 222.22  | 37.78  | 52.42                   | 3.23           | 35.89   | 330.00         | 5.92                       | 3.13           | 34.78   | 220.00         | 3.83         | 23.00          | 255.56  | 220.00         | 28.11        | 31.94              |      |        |        |
| <b>WIDENING FOR GUARDRAIL</b>        |           |                          |                |                                 |         |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 207+06.60                            | 207+39.60 | GR. TAPER ON RT.         | 33.00          | VAR.                            | 4.91    |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 207+39.60                            | 209+40.00 | GR. WIDENING ON RT.      | 200.40         | 29.75                           | 59.62   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 208+31.60                            | 208+64.60 | GR. TAPER ON LT.         | 33.00          | VAR.                            | 4.91    |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 208+64.60                            | 209+40.00 | GR. WIDENING ON LT.      | 75.40          | 29.75                           | 22.43   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 212+74.25                            | 213+51.40 | GR. WIDENING ON RT.      | 77.15          | 29.75                           | 22.95   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 213+51.40                            | 213+84.40 | GR. TAPER ON RT.         | 33.00          | VAR.                            | 4.91    |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 212+74.25                            | 214+76.40 | GR. WIDENING ON LT.      | 202.15         | 29.75                           | 60.14   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 214+76.40                            | 215+09.40 | GR. TAPER ON LT.         | 33.00          | VAR.                            | 4.91    |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| <b>LEVELING</b>                      |           |                          |                |                                 |         |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 201+34.00                            | 205+70.00 | HWY. 335                 | 436.00         |                                 |         |                         |         |        | VAR.                    | 484.44  | 82.35  | 82.35                   |                |         |                |                            |                |         |                |              |                |         |                | VAR.         | VAR.               | VAR. | 101.81 | 101.81 |
| 216+20.00                            | 219+12.00 | HWY. 335                 | 292.00         |                                 |         |                         |         |        | VAR.                    | 324.44  | 55.15  | 55.15                   |                |         |                |                            |                |         |                |              |                |         |                | VAR.         | VAR.               | VAR. | 42.88  | 42.88  |
| <b>ADDITIONAL FOR SUPERELEVATION</b> |           |                          |                |                                 |         |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 200+34.23                            | 203+99.00 | HWY. 335 MAIN LANE       | 364.77         | VAR.                            | 55.63   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 204+00.00                            | 208+92.00 | HWY. 335 MAIN LANE       | 492.00         | VAR.                            | 129.15  |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 212+30.00                            | 216+79.00 | HWY. 335 MAIN LANE       | 449.00         | VAR.                            | 77.45   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| 216+80.00                            | 220+12.48 | HWY. 335 MAIN LANE       | 332.48         | VAR.                            | 59.85   |                         |         |        |                         |         |        |                         |                |         |                |                            |                |         |                |              |                |         |                |              |                    |      |        |        |
| <b>TOTALS:</b>                       |           |                          |                |                                 | 3033.03 |                         | 7405.62 | 370.28 |                         | 1253.32 | 213.06 | 583.34                  |                | 2691.20 |                | 444.05                     |                | 2652.41 |                | 291.79       |                | 5629.20 |                | 763.91       | 1055.70            |      |        |        |

BASIS OF ESTIMATE:  
 ACHM SURFACE COURSE (1/2").....94.7% MIN. AGGR.....5.3% ASPHALT BINDER  
 ACHM BINDER COURSE (1").....95.6% MIN. AGGR.....4.4% ASPHALT BINDER  
 MAXIMUM NUMBER OF GYRATIONS = 115 FOR PG 64-22  
 TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES. REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.

9/12/2019 R070380.DGN

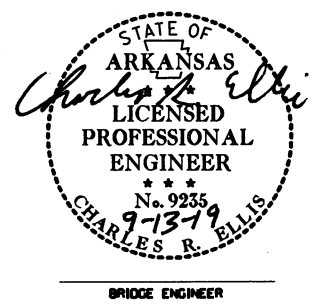
QUANTITIES

|              |             |              |             |                     |       |                    |           |              |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|              |             |              |             | 6                   | ARK.  |                    |           |              |
|              |             |              |             | JOB NO.             |       | 070380             | 22        | 27           |
|              |             |              |             | 07466 - QUANTITIES  |       | - 61107            |           |              |

**SCHEDULE OF BRIDGE QUANTITIES - JOB NO. 070380**

| BRIDGE NO.                | NAME PLATE TITLE              | UNIT OF STRUCTURE  | ITEM NO. | 205   | SS & 802                | SP, SS, & 802               | SS & 802                                | 803                                  | SS & 804                            | SS & 804                                  | SS & 805                      | SS & 805                      | SS & 805        | SS & 805    | SP, SS & 807                                   | SS & 808             | 812                        | 816            | 816           |  |
|---------------------------|-------------------------------|--|----------|---|-------------------------|-----------------------------|---|--------------------------------------|-------------------------------------|---|-------------------------------|-------------------------------|-----------------|-------------|--|----------------------|----------------------------|----------------|---------------|--|
|                           |                               |  | ITEM     | REMOVAL OF EXISTING BRIDGE STRUCTURE (SITE NO.) | CLASS S CONCRETE-BRIDGE | CLASS S(AE) CONCRETE-BRIDGE | PRESTRESSED CONCRETE GIRDERS (TYPE III) | CLASS 1 PROTECTIVE SURFACE TREATMENT | REINFORCING STEEL-BRIDGE (GRADE 60) | EPOXY COATED REINFORCING STEEL (GRADE 60) | STEEL SHELL PILING (18" DIA.) | STEEL SHELL PILING (24" DIA.) | PILE ENCASEMENT | PREBORING   | STRUCTURAL STEEL IN BEAM SPANS (A709, GR. 50W) | ELASTOMERIC BEARINGS | BRIDGE NAME PLATE (TYPE D) | FILTER BLANKET | DUMPED RIPRAP |  |
|                           |                               |  | UNIT     | LUMP SUM  | CUBIC YARD              | CUBIC YARD                  | LINEAR FOOT                             | GALLON                               | POUND                               | POUND                                     | LINEAR FOOT                   | LINEAR FOOT                   | LINEAR FOOT     | LINEAR FOOT | POUND  | CUBIC INCH           | EACH                       | SQUARE YARD    | CUBIC YARD    |  |
| 07466                     | HIGHWAY 335 OVER HAYNES CREEK | BENT 1   |          | 15.44   |                         |                             |   |                                      | 2,588                               | 330                                       | 240                           |                               |                 | 40          |  |                      |                            | 308            | 167           |  |
|                           |                               | BENT 2   |          | 20.04   |                         |                             |   |                                      | 3,258                               |   |                               | 260                           | 52              | 925         | 2,871.0  |                      |                            |                |               |  |
|                           |                               | BENT 3   |          | 20.04   |                         |                             |   |                                      | 3,258                               |   |                               | 260                           | 36              | 925         | 2,871.0  |                      |                            |                |               |  |
|                           |                               | BENT 4   |          | 20.04   |                         |                             |   |                                      | 3,258                               |   |                               | 260                           | 52              | 925         | 2,871.0  |                      |                            |                |               |  |
|                           |                               | BENT 5   |          | 15.44   |                         |                             |   |                                      | 2,588                               | 330                                       | 240                           |                               |                 | 40          |  |                      |                            | 244            | 137           |  |
|                           |                               | 259'-6" INTEGRAL PRESTRESSED CONCRETE GIRDER UNIT TYPE III |          |   |                         | 352.00                      | 1,032.0                                 | 21.8                                 |                                     | 71,740                                    |                               |                               |                 | 615         |  | 1                    |                            |                |               |  |
|                           |                               | SITE NO. 1 (EXISTING BR. NO. M2913)                        | 1        |   |                         |                             |   |                                      |                                     |   |                               |                               |                 |             |  |                      |                            |                |               |  |
|                           |                               | TOTALS FOR BRIDGE NO. 07466                                |          |   | 91.00                   | 352.00                      | 1,032.0                                 | 21.8                                 | 14,950                              | 72,400                                    | 480                           | 780                           | 140             | 80          | 3,390  | 8,613.0              | 1                          | 552            | 304           |  |
| TOTALS FOR JOB NO. 070380 |                               |  | 91.00    | 352.00  | 1,032.0                 | 21.8                        | 14,950                                  | 72,400                               | 480                                 | 780                                       | 140                           | 80                            | 3,390           | 8,613.0     | 1  | 552                  | 304                        |                |               |  |

LUKE BAILEY  
DESIGN SECTION SUPERVISOR



**SCHEDULE OF BRIDGE QUANTITIES**  
 HAYNES CREEK STR. & APPRS. (S)  
 UNION COUNTY  
 ROUTE 335 SEC. 2  
**ARKANSAS STATE HIGHWAY COMMISSION**  
 LITTLE ROCK, ARK.  
 DRAWN BY: DBS DATE: 8/21/19 FILENAME: b070380\_q1.dgn  
 CHECKED BY: *WAC* DATE: 9/12/19 SCALE: NO SCALE  
 DESIGNED BY: DATE:  
 BRIDGE NO. 07466 DRAWING NO. 61107

PRINT DATE: 9/13/2019

SUMMARY OF QUANTITIES

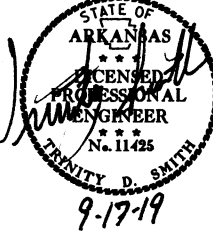
| ITEM NUMBER              | ITEM  | QUANTITY | UNIT     |
|--------------------------|---|----------|----------|
| 201                      | CLEARING  | 20       | STATION  |
| 201                      | GRUBBING  | 20       | STATION  |
| 202                      | REMOVAL AND DISPOSAL OF FENCE                           | 559      | LN. FT.  |
| 202                      | REMOVAL AND DISPOSAL OF GUARDRAIL                       | 102      | LN. FT.  |
| 210                      | UNCLASSIFIED EXCAVATION                                 | 2747     | CU. YD.  |
| 210                      | COMPACTED EMBANKMENT                                    | 18255    | CU. YD.  |
| SP & 210                 | SOIL STABILIZATION                                      | 200      | TON      |
| SS & 303                 | AGGREGATE BASE COURSE (CLASS 7)                         | 3753     | TON      |
| SS & 401                 | TACK COAT   | 599      | GAL.     |
| SP, SS, & 406            | MINERAL AGGREGATE IN ACHM BINDER COURSE (1")            | 424      | TON      |
| SP, SS, & 406            | ASPHALT BINDER (PG 64-22) IN ACHM BINDER COURSE (1")    | 20       | TON      |
| SP, SS, & 407            | MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")         | 1117     | TON      |
| SP, SS, & 407            | ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2") | 63       | TON      |
| 412                      | COLD MILLING ASPHALT PAVEMENT                           | 444      | SQ. YD.  |
| SP, SS, & 414            | ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC    | 8        | TON      |
| SP, SS, & 415            | ACHM PATCHING OF EXISTING ROADWAY                       | 100      | TON      |
| 504                      | APPROACH SLABS  | 90.50    | CU. YD.  |
| 504                      | APPROACH GUTTERS  | 33.20    | CU. YD.  |
| 601                      | MOBILIZATION  | 1.00     | LUMP SUM |
| SP & 602                 | FURNISHING FIELD OFFICE                                 | 1        | EACH     |
| 603                      | MAINTENANCE OF TRAFFIC                                  | 1.00     | LUMP SUM |
| SS & 604                 | SIGNS   | 189      | SQ. FT.  |
| SS & 604                 | BARRICADES  | 32       | LN. FT.  |
| SS & 604                 | TRAFFIC DRUMS   | 89       | EACH     |
| 604                      | CONSTRUCTION PAVEMENT MARKINGS                          | 8586     | LN. FT.  |
| 604                      | REMOVAL OF PERMANENT PAVEMENT MARKINGS                  | 3280     | LN. FT.  |
| SS & 604                 | VERTICAL PANELS   | 25       | EACH     |
| SP, SS, & 606            | 18" SIDE DRAIN  | 170      | LN. FT.  |
| 606                      | SELECTED PIPE BEDDING                                   | 20       | CU. YD.  |
| SS & 611                 | 4" PIPE UNDERDRAINS                                     | 300      | LN. FT.  |
| SS & 611                 | UNDERDRAIN OUTLET PROTECTORS                            | 3        | EACH     |
| SS & 617                 | GUARDRAIL (TYPE A)                                      | 450      | LN. FT.  |
| SS & 617                 | GUARDRAIL TERMINAL (TYPE 2)                             | 4        | EACH     |
| SS & 617                 | THREE BEAM GUARDRAIL TERMINAL                           | 4        | EACH     |
| 619                      | WIRE FENCE (TYPE D)                                     | 559      | LN. FT.  |
| 620                      | LIME  | 11       | TON      |
| 620                      | SEEDING   | 5.62     | ACRE     |
| SS & 620                 | MULCH COVER   | 11.41    | ACRE     |
| 620                      | WATER   | 691.3    | M. GAL.  |
| 621                      | TEMPORARY SEEDING                                       | 5.79     | ACRE     |
| 621                      | SILT FENCE  | 3664     | LN. FT.  |
| 621                      | SAND BAG DITCH CHECKS                                   | 242      | BAG      |
| 621                      | SEDIMENT BASIN  | 638      | CU. YD.  |
| 621                      | OBLITERATION OF SEDIMENT BASIN                          | 638      | CU. YD.  |
| 621                      | SEDIMENT REMOVAL AND DISPOSAL                           | 581      | CU. YD.  |
| 623                      | SECOND SEEDING APPLICATION                              | 5.62     | ACRE     |
| 635                      | ROADWAY CONSTRUCTION CONTROL                            | 1.00     | LUMP SUM |
| 718                      | REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")         | 3956     | LN. FT.  |
| 718                      | REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6")        | 3956     | LN. FT.  |
| 721                      | RAISED PAVEMENT MARKERS (TYPE II)                       | 25       | EACH     |
| SS & 804                 | REINFORCING STEEL-ROADWAY (GRADE 60)                    | 12840    | POUND    |
| STRUCTURES OVER 20' SPAN |   |          |          |
| 205                      | REMOVAL OF EXISTING BRIDGE STRUCTURE (SITE NO. 1)       | 1.00     | LUMP SUM |
| 636                      | BRIDGE CONSTRUCTION CONTROL                             | 1.00     | LUMP SUM |
| SS & 802                 | CLASS S CONCRETE-BRIDGE                                 | 91.00    | CU. YD.  |
| SP, SS, & 802            | CLASS (S/AE) CONCRETE-BRIDGE                            | 352.00   | CU. YD.  |
| SS & 802                 | PRESTRESSED CONCRETE GIRDERS (TYPE III)                 | 1032.0   | LN. FT.  |
| 803                      | CLASS 1 PROTECTIVE SURFACE TREATMENT                    | 21.8     | GAL.     |
| SS & 804                 | REINFORCING STEEL-BRIDGE (GRADE 60)                     | 14950    | POUND    |
| SS & 804                 | EPOXY COATED REINFORCING STEEL (GRADE 60)               | 72400    | POUND    |
| SS & 805                 | STEEL SHELL PILING (18" DIAMETER)                       | 480      | LN. FT.  |
| SS & 805                 | STEEL SHELL PILING (24" DIAMETER)                       | 780      | LN. FT.  |
| SS & 805                 | PREBORING   | 80       | LN. FT.  |
| SS & 805                 | PILE ENCASMENT  | 140      | LN. FT.  |
| SP, SS, & 807            | STRUCTURAL STEEL IN BEAM SPANS (A709-GR50W)             | 3390     | POUND    |
| SS & 808                 | ELASTOMERIC BEARINGS                                    | 8613.0   | CU. IN.  |
| 812                      | BRIDGE NAME PLATE (TYPE D)                              | 1        | EACH     |
| 816                      | FILTER BLANKET  | 552      | SQ. YD.  |
| 816                      | DUMPED RIPRAP   | 304      | CU. YD.  |

REVISIONS

| DATE | REVISION | SHEET NUMBER |
|------|----------|--------------|
|      |          |              |
|      |          |              |
|      |          |              |
|      |          |              |
|      |          |              |
|      |          |              |
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|      |          |              |

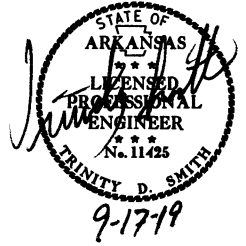
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 23        | 51           |

2 SUMMARY OF QUANTITIES AND REVISIONS



| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 24        | 51           |

2 SURVEY CONTROL DETAILS



SURVEY CONTROL COORDINATES

Project Name: s070380  
 Date: 10/2/2017  
 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          | 1551815.5023 | 1120284.7029 | 103.942 | CTL     | AHTD STD. MON. STAMPED PN: 1 |
| 2          | 1551814.0393 | 1120989.4158 | 103.528 | CTL     | AHTD STD. MON. STAMPED PN: 2 |
| 3          | 1551786.4932 | 1121605.2218 | 105.241 | CTL     | AHTD STD. MON. STAMPED PN: 3 |
| 4          | 1551879.7711 | 1121885.7992 | 104.880 | CTL     | AHTD STD. MON. STAMPED PN: 4 |
| 5          | 1552009.1413 | 1122258.6793 | 104.488 | CTL     | AHTD STD. MON. STAMPED PN: 5 |
| 6          | 1552223.8109 | 1122898.1658 | 113.624 | CTL     | AHTD STD. MON. STAMPED PN: 6 |
| 7          | 1552305.9677 | 1123326.0960 | 137.031 | CTL     | AHTD STD. MON. STAMPED PN: 7 |
| 100        | 1551782.1931 | 1116679.7632 | 127.062 | GPS     | AHTD GPS #700034             |
| 101        | 1550334.6817 | 1116702.0311 | 123.517 | GPS     | AHTD GPS #700034A            |
| 901        | 1551793.4592 | 1119838.5775 | 103.641 | TBM     | CHISELED SQUARE              |
| 902        | 1551920.4905 | 1121918.3906 | 106.552 | TBM     | CHISELED SQUARE              |
| 903        | 1552313.2048 | 1123428.8281 | 138.995 | TBM     | CHISELED SQUARE              |
| 998        | 1551746.5032 | 1117037.6990 | 120.079 | BM      | NGS 1ST ORDER BM R 198       |

\*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 0.9999933467 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 s070380gi.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: 700034 - 700034A  
 CONVERGENCE ANGLE: 00 20 56.21 LEFT AT LT: 33-19-24.01 LG: 092-37-24.47  
 GRID AZIMUTH = ASTRONOMICAL AZIMUTH - CONVERGENCE ANGLE.

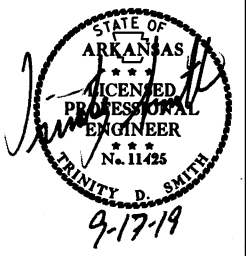
HWY. 335

| POINT NO. | TYPE | STATION   | NORTHING     | EASTING      |
|-----------|------|-----------|--------------|--------------|
| 8000      | POB  | 200+00.00 | 1551789.9165 | 1120941.9260 |
| 8001      | PC   | 201+34.23 | 1551787.0835 | 1121076.1223 |
| 8003      | PT   | 203+65.65 | 1551772.8642 | 1121307.0437 |
| 8004      | PC   | 204+33.11 | 1551766.0025 | 1121374.1550 |
| 8006      | PT   | 208+60.07 | 1551817.3921 | 1121794.4417 |
| 8007      | PC   | 212+93.09 | 1551963.9304 | 1122201.9129 |
| 8009      | PT   | 216+16.21 | 1552090.1715 | 1122499.1574 |
| 8010      | PC   | 217+43.69 | 1552146.5388 | 1122613.4977 |
| 8012      | PT   | 222+45.69 | 1552285.8966 | 1123093.1032 |
| 8013      | POE  | 224+63.33 | 1552309.2580 | 1123309.4852 |



| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|--------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.   |                    |           |              |
|              |             |              |             | JOB NO.            | 070380 |                    | 25        | 51           |

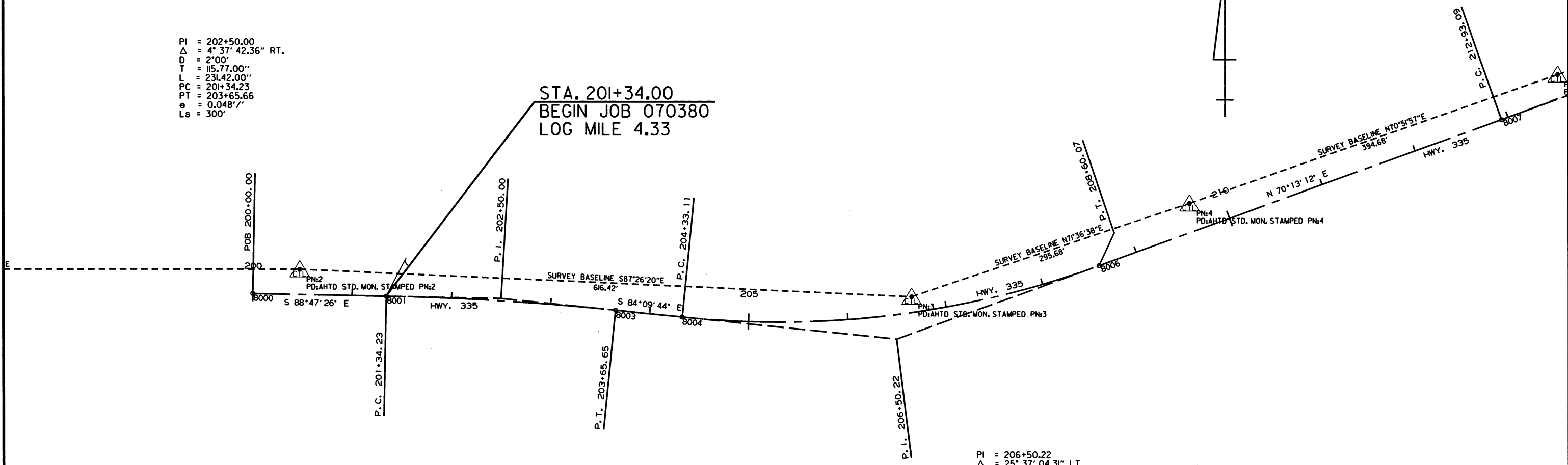
2 SURVEY CONTROL DETAILS



PI = 202+50.00  
 $\Delta$  = 4° 37' 42.36" RT.  
D = 2°00'  
T = 115.77.00'  
L = 231.42.00'  
PC = 201+34.23  
PT = 203+65.66  
e = 0.048'/'  
Ls = 300'

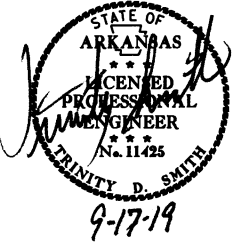
STA. 201+34.00  
BEGIN JOB 070380  
LOG MILE 4.33

PI = 206+50.22  
 $\Delta$  = 25° 37' 04.31" LT.  
D = 6°00'  
T = 217.11'  
L = 426.96'  
PC = 204+33.11  
PT = 208+60.07  
e = 0.096'/'  
Ls = 350'



| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  |                    | 26        | 51           |
|              |             |              |             | JOB NO.            |       | 070380             |           |              |

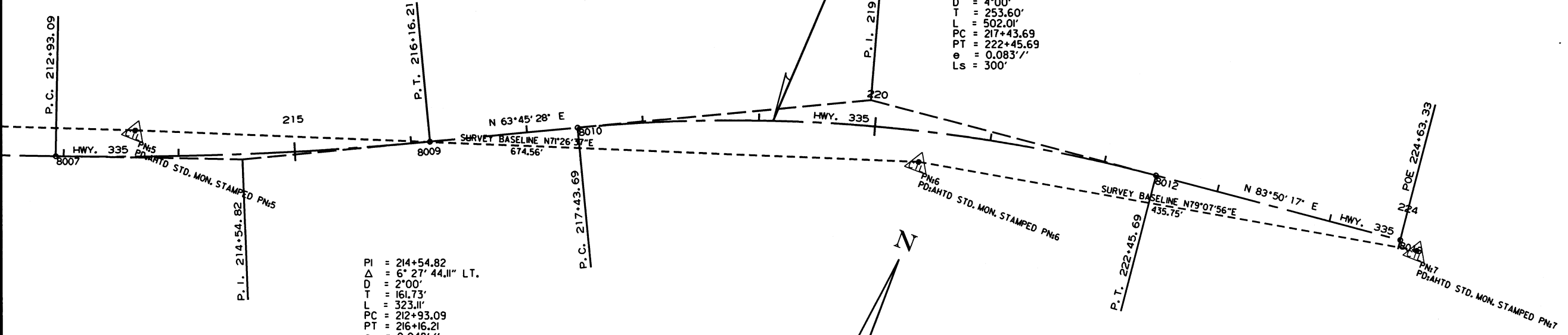
2 SURVEY CONTROL DETAILS



STA. 219+12.00  
END JOB 070380

PI = 219+97.29  
 $\Delta$  = 20° 04' 49.00" RT.  
D = 4' 00"  
T = 253.60'  
L = 502.01'  
PC = 217+43.69  
PT = 222+45.69  
e = 0.083'/'  
Ls = 300'

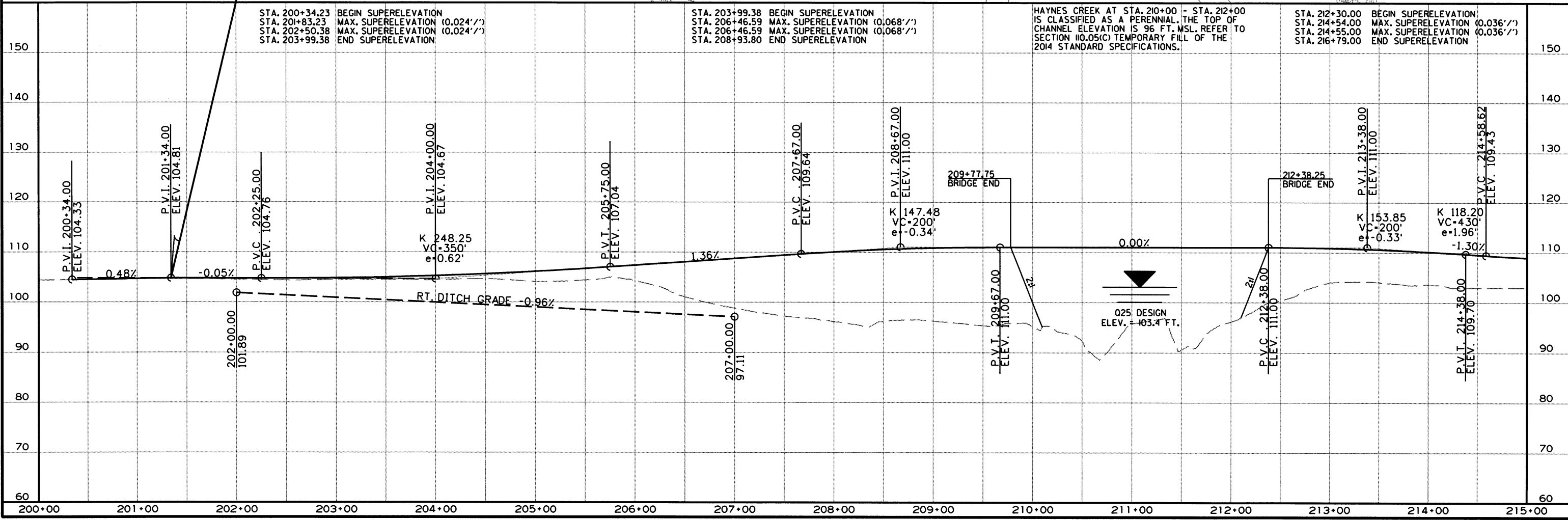
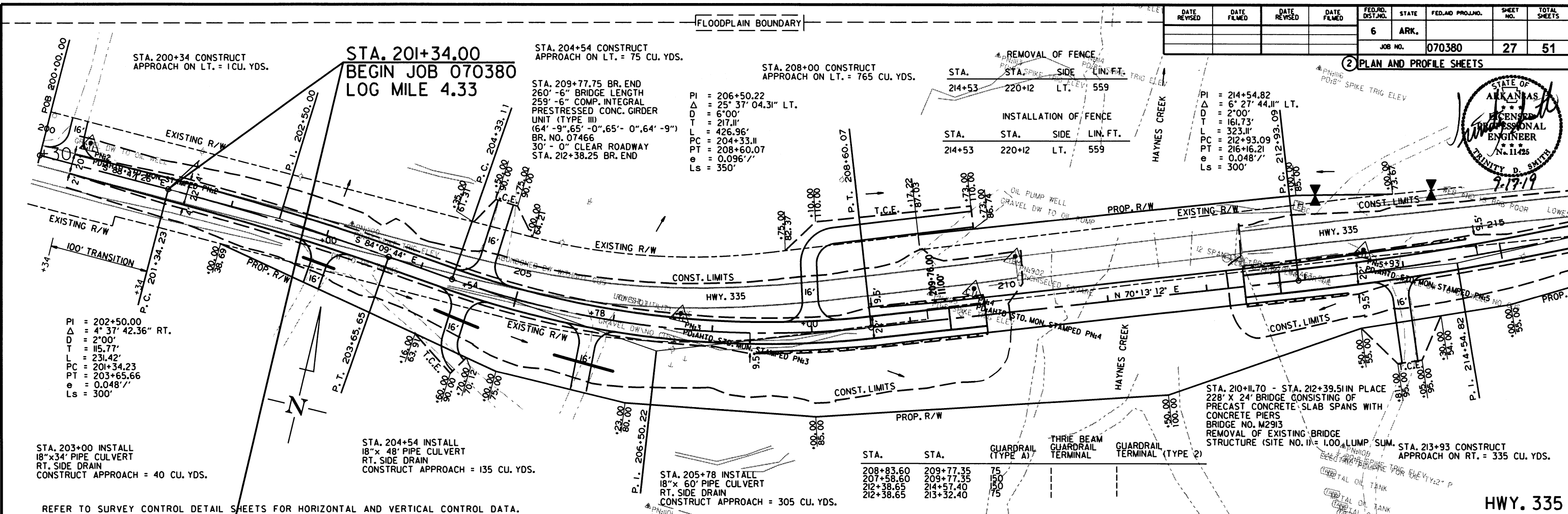
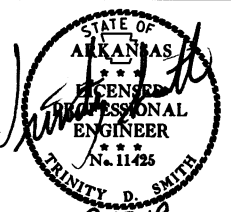
PI = 214+54.82  
 $\Delta$  = 6° 27' 44.11" LT.  
D = 2' 00"  
T = 161.73'  
L = 323.11'  
PC = 212+93.09  
PT = 216+16.21  
e = 0.048'/'  
Ls = 300'



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| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  | 070380             | 27        | 51           |

2 PLAN AND PROFILE SHEETS



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