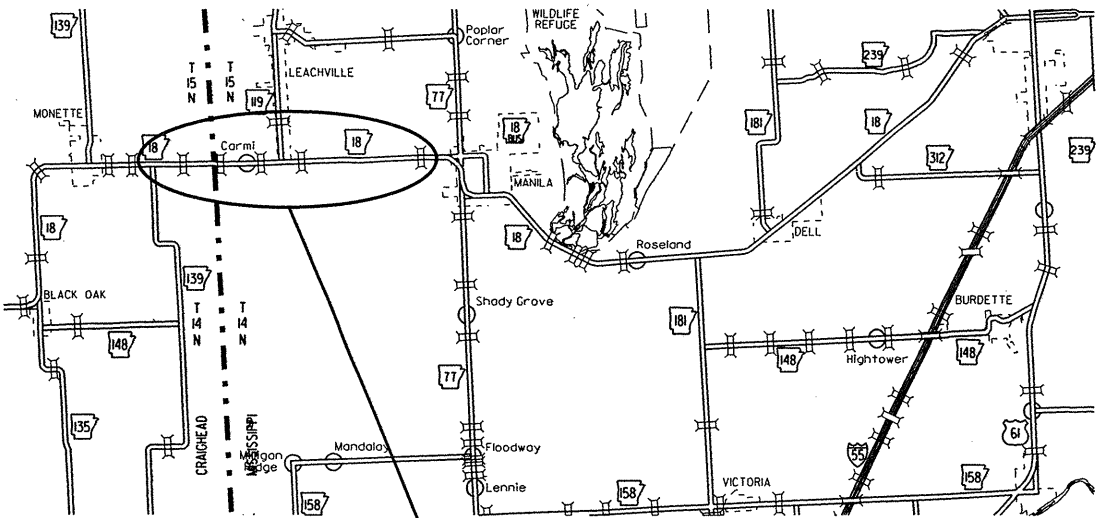


ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
CONSTRUCTION PLANS FOR STATE HIGHWAY

| DATE REVISED                | DATE FILMED | DATE REVISED | DATE FILMED | FED. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|-----------------------------|-------------|--------------|-------------|----------------|-------|--------------------|-----------|--------------|
|                             |             |              |             | 6              | ARK.  |                    |           |              |
|                             |             |              |             |                |       | JOB NO. 100653     | 1         | 335          |
| ② MONETTE BYPASS-MANILA (S) |             |              |             |                |       |                    |           |              |



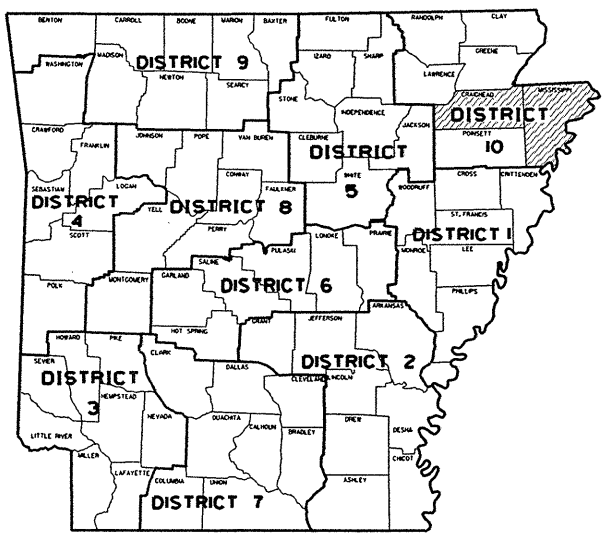
MONETTE BYPASS-  
MANILA (S)

CRAIGHEAD & MISSISSIPPI COUNTIES

ROUTE 18 SECTIONS 4 & 5

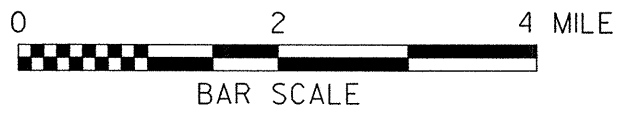
JOB 100653

FED. AID PROJ. EBE-1847(2)



ARK. HWY. DIST. NO. 10

PROJECT  
LOCATION



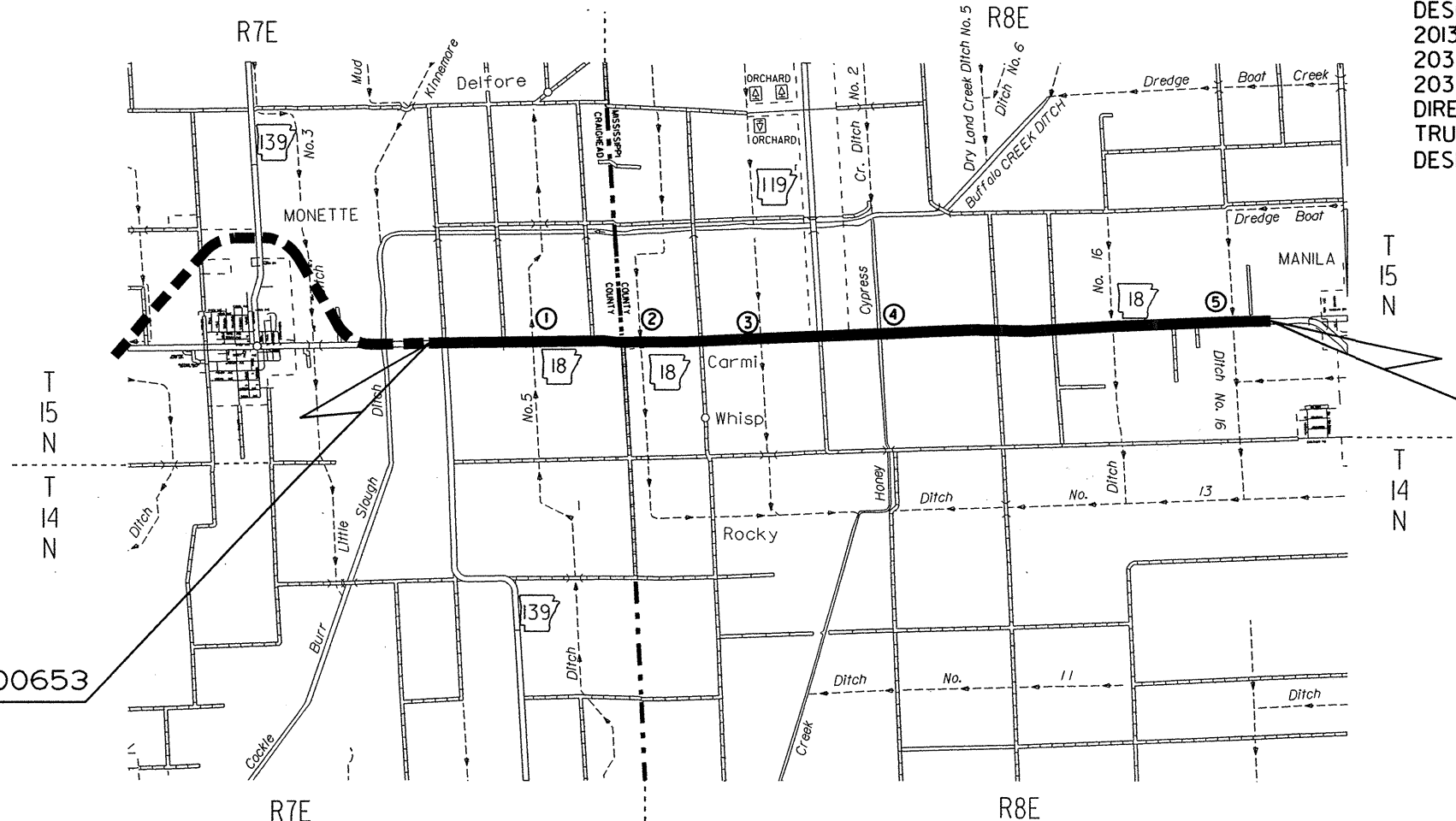
VICINITY MAP

STRUCTURES OVER 20'-0" SPAN

- ① STA. 682+09 CONSTRUCT  
QUAD. 10' X 6' X 12' R.C. BOX CULVERT  
W/ 3:1 WINGS LT. & RT.  
D.A. = 2.1 SO. M., 050 = 500 C.F.S.  
SPAN = 43' - 0"
- ② STA. 730+43 CONSTRUCT  
QUINT. 10' X 8' X 12' R.C. BOX CULVERT  
W/ 3:1 WINGS LT. & RT.  
D.A. = 5.5 SO. M., 050 = 340 C.F.S.  
SPAN = 53' - 9"
- ③ STA. 783+61 CONSTRUCT  
QUAD. 12' X 9' X 12' R.C. BOX CULVERT  
W/ 3:1 WINGS LT. & RT.  
D.A. = 6.2 SO. M., 050 = 450 C.F.S.  
SPAN = 51' - 2"
- ⑤ STA. 994+92 CONSTRUCT  
QUAD. 10' X 8' X 12' R.C. BOX CULVERT  
W/ 3:1 WINGS LT. & RT.  
D.A. = 3.8 SO. M., 050 = 310 C.F.S.  
SPAN = 43' - 1"

BRIDGE DATA

- ④ STA. 835+85.50 BR. END  
134'-0" INTEGRAL W-BEAM UNIT (41', 52', 41')  
75'-0" CLEAR ROADWAY  
BR. NO. 07252  
STA. 837+20.50 BR. END



• DESIGN TRAFFIC DATA •

|                          |        |
|--------------------------|--------|
| DESIGN YEAR              | 2033   |
| 2013 ADT                 | 6200   |
| 2033 ADT                 | 8000   |
| 2033 DHV                 | 880    |
| DIRECTIONAL DISTRIBUTION | 60%    |
| TRUCKS                   | 12%    |
| DESIGN SPEED             | 60 MPH |

STA. 640+00.00 BEGIN JOB 100653  
LOG MILE 26.89

STA. 1005+00.00  
END JOB 100653

APPROVED

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 3917  
FRANK VOZEL

4/9/13  
DEPUTY DIRECTOR  
AND CHIEF ENGINEER

|           | LATITUDE                        | LONGITUDE |
|-----------|---------------------------------|-----------|
| BEGIN JOB | N 35° 53' 23.1" W 90° 18' 54.1" |           |
| MID POINT | N 35° 53' 18.1" W 90° 15' 12.4" |           |
| END JOB   | N 35° 53' 15.4" W 90° 11' 30.7" |           |

|                         |          |         |       |       |
|-------------------------|----------|---------|-------|-------|
| GROSS LENGTH OF PROJECT | 36500.00 | FEET OR | 6.913 | MILES |
| NET " " ROADWAY         | 36174.00 | " "     | 6.851 | "     |
| NET " " BRIDGES         | 326.00   | " "     | 0.062 | "     |
| NET " " PROJECT         | 36500.00 | " "     | 6.913 | "     |

P.E. 100653  
NON-PART.

STA. 682+09 CONSTRUCT  
QUAD. 10' X 6' X 121' R.C. BOX CULVERT  
W/ 3:1 WINGS LT. & RT.  
CHANNEL CHANGE = 1600 CU. YDS.  
D.A. = 2.1 SQ. MI., Q50 = 500 C.F.S.

STA. 686+11 IN PLACE  
18' X 24' C.M. PIPE CULVERT  
LT. SIDE DRAIN  
REMOVE AND INSTALL @ 685+83  
18' X 32' PIPE CULVERT  
LT. SIDE DRAIN  
CONSTRUCT APPR. ON LT. = 60 CU. YDS.

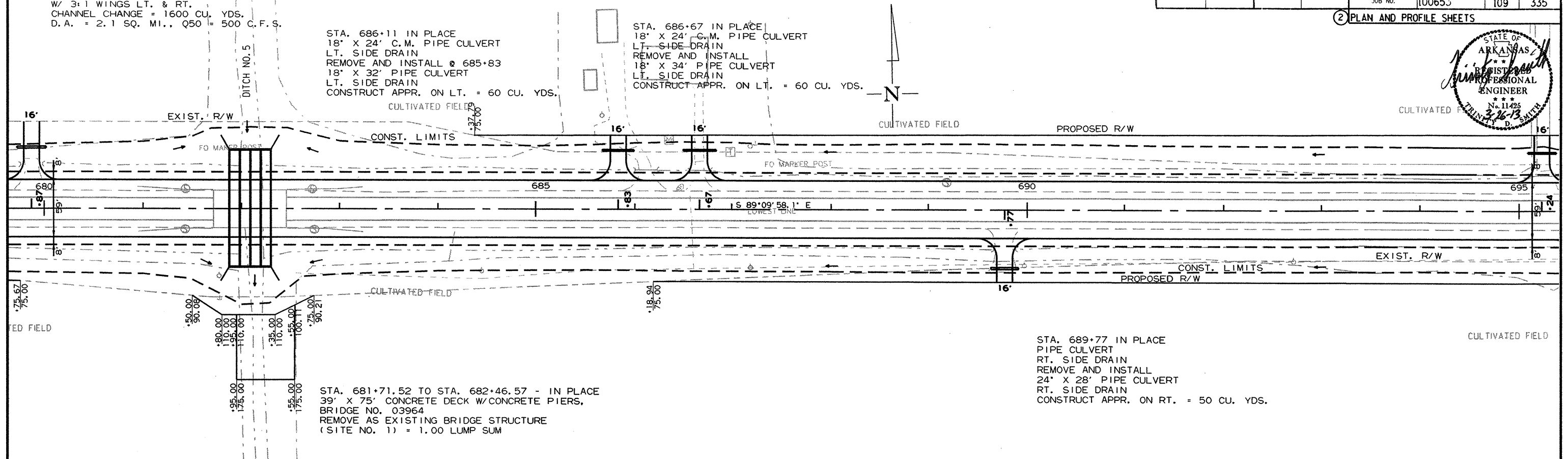
STA. 686+67 IN PLACE  
18' X 24' C.M. PIPE CULVERT  
LT. SIDE DRAIN  
REMOVE AND INSTALL  
18' X 34' PIPE CULVERT  
LT. SIDE DRAIN  
CONSTRUCT APPR. ON LT. = 60 CU. YDS.

STA. 681+71.52 TO STA. 682+46.57 - IN PLACE  
39' X 75' CONCRETE DECK W/ CONCRETE PIERS,  
BRIDGE NO. 03964  
REMOVE AS EXISTING BRIDGE STRUCTURE  
(SITE NO. 1) = 1.00 LUMP SUM

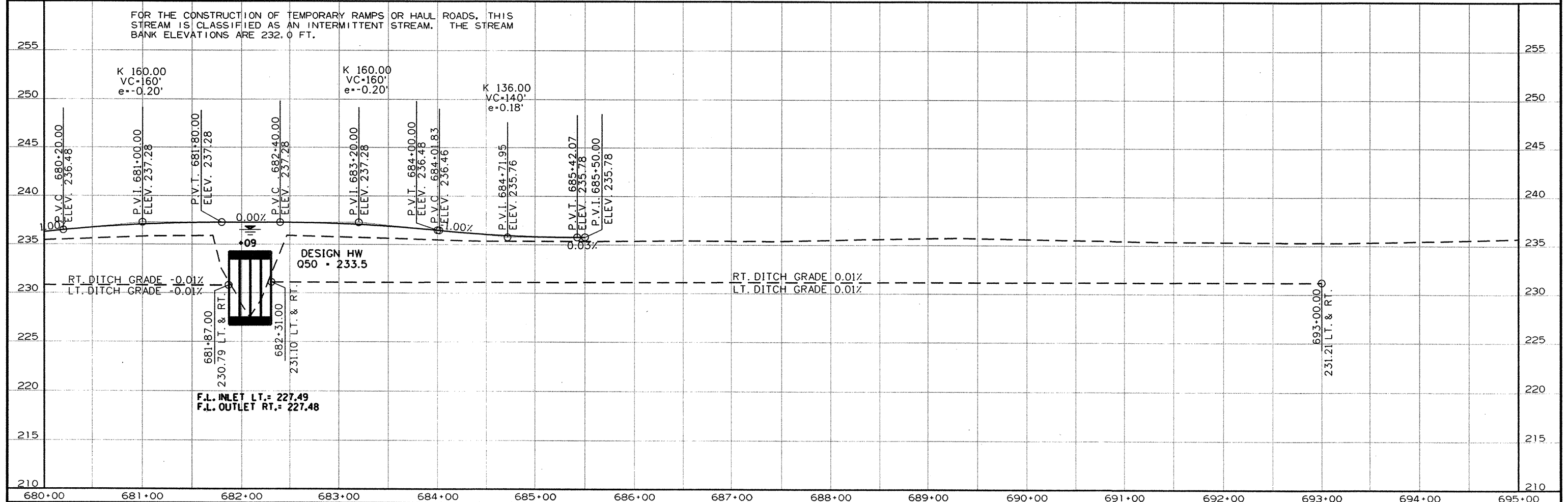
STA. 689+77 IN PLACE  
PIPE CULVERT  
RT. SIDE DRAIN  
REMOVE AND INSTALL  
24' X 28' PIPE CULVERT  
RT. SIDE DRAIN  
CONSTRUCT APPR. ON RT. = 50 CU. YDS.

| DATE<br>REVISED | DATE<br>FILMED | DATE<br>REVISED | DATE<br>FILMED | FED. RD.<br>DIST. NO. | STATE  | FED. AID PROJ. NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------|----------------|-----------------|----------------|-----------------------|--------|--------------------|--------------|-----------------|
|                 |                |                 |                | 6                     | ARK.   |                    |              |                 |
|                 |                |                 |                | JOB NO.               | 100653 |                    | 109          | 335             |

2 PLAN AND PROFILE SHEETS



FOR THE CONSTRUCTION OF TEMPORARY RAMPS OR HAUL ROADS, THIS  
STREAM IS CLASSIFIED AS AN INTERMITTENT STREAM. THE STREAM  
BANK ELEVATIONS ARE 232.0 FT.



3/6/2013

R100653.DGN