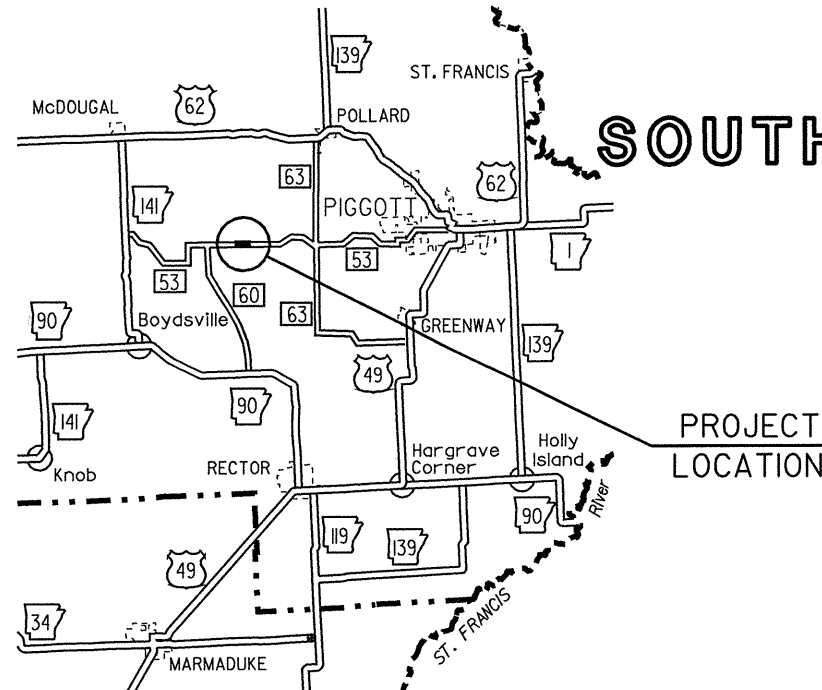


ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
CONSTRUCTION PLANS FOR PROPOSED COUNTY ROAD

| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. RD. DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|--------------------|-------|--------------------|-----------|--------------|
|              |             |              |             | 6                  | ARK.  | STPR-0011(35)      |           |              |
|              |             |              |             |                    |       | JOB NO.            | FA1106    | 52           |
|              |             |              |             |                    |       |                    |           |              |

(4) SOUTH FORK BIG CREEK STR. & APPRS. (S)



VICINITY MAP

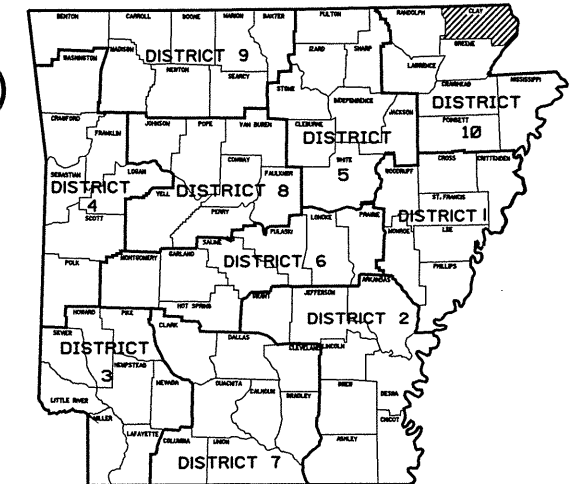
# SOUTH FORK BIG CREEK STR. & APPRS. (S)

COUNTY ROAD 53

CLAY COUNTY

JOB FA1106

F.A.P. STPR-0011(35)

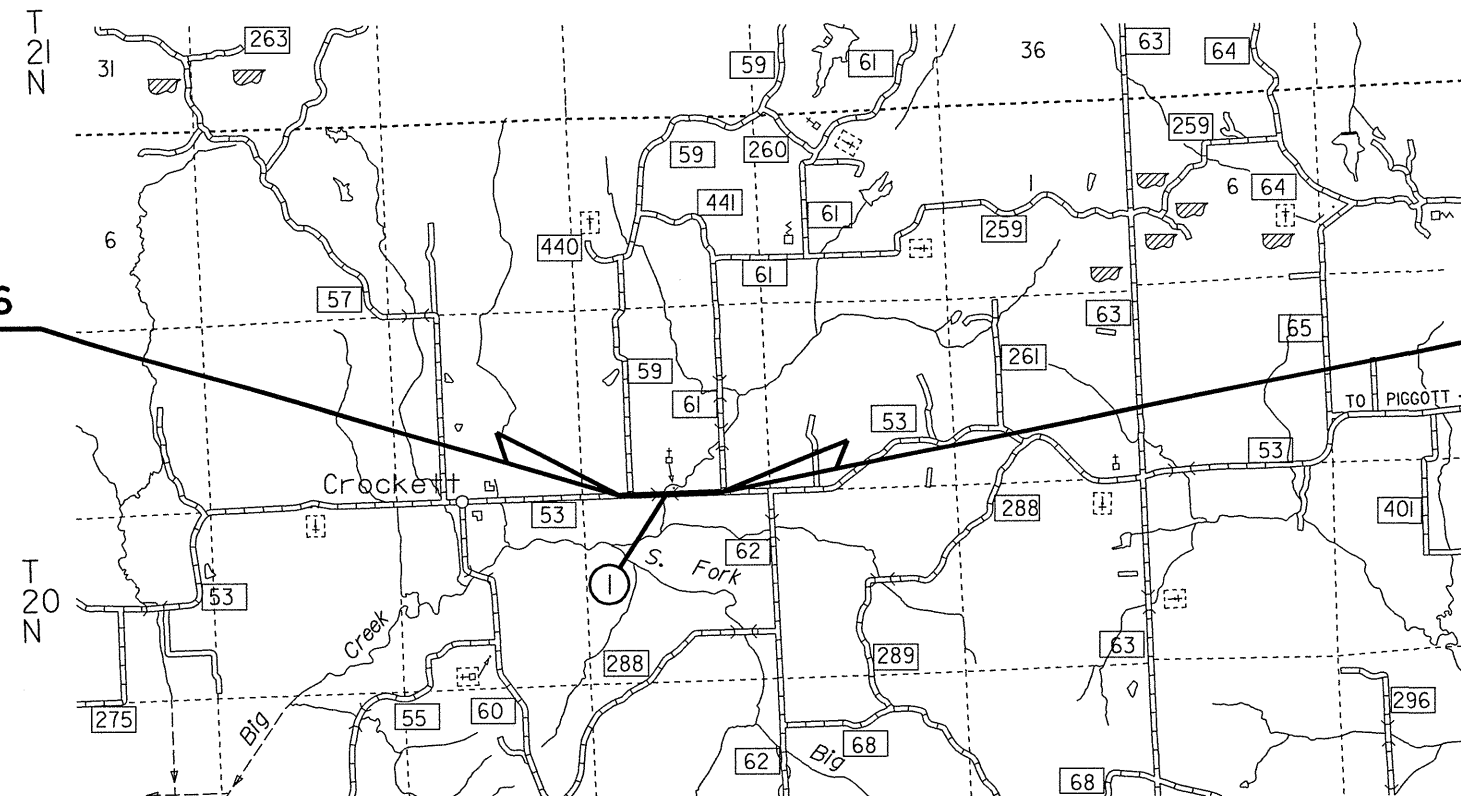


ARK. HWY. DISTRICT NO. 10

LAYOUT SCALE : 1" = 1 MILE

R 7 E

R 8 E



STA. 100+00.00 BEGIN JOB FA1106  
FED. AID PROJ. STPR-0011(35)

STA. 128+00.00 END JOB FA1106  
FED. AID PROJ. STPR-0011(35)

## STRUCTURES OVER 20' - 0"

- ① STA. 111+15.00 BRIDGE END  
Bridge No. 04907  
(3) 31' - 0" Precast Conc. Spans  
28' - 0" Clear Roadway  
Bridge Length = 93' - 0"  
STA. 112+08.00 BRIDGE END

## PROJECT COORDINATES:

|       | BEGIN           | MID-POINT     | END             |
|-------|-----------------|---------------|-----------------|
| LAT.  | N 34° 22' 31.5" | N 36° 22' 31" | N 36° 22' 31.0" |
| LONG. | W 90° 18' 54.0" | W 90° 18' 37" | W 90° 18' 19.4" |

|                         |         |         |             |
|-------------------------|---------|---------|-------------|
| GROSS LENGTH OF PROJECT | 2800.00 | FEET OR | 0.530 MILES |
| NET " " ROADWAY         | 2707.00 | " "     | 0.513 "     |
| NET " " BRIDGES         | 93.00   | " "     | 0.017 "     |
| NET " " PROJECTS        | 2800.00 | " "     | 0.530 "     |

## DESIGN TRAFFIC DATA

|                          |        |
|--------------------------|--------|
| DESIGN YEAR              | 2029   |
| 2009 ADT                 | 100    |
| 2029 ADT                 | 130    |
| 2029 DHV                 | 20     |
| DIRECTIONAL DISTRIBUTION | 0.60   |
| TRUCKS                   | 5%     |
| DESIGN SPEED             | 40 MPH |

APPROVED



1/19/09  
DEPUTY DIRECTOR  
AND CHIEF ENGINEER

| 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.               | FAIIO6 |                    | 10           | 52              |

4 SUMMARY OF QUANTITIES & REVISIONS

| SUMMARY OF QUANTITIES     |   |                   |          |          |
|---------------------------|---|-------------------|----------|----------|
| ITEM NO.                  | ITEM  | QUANTITY          | UNIT     |          |
| 201                       | CLEARING  | 28                | STATION  |          |
| 201                       | GRUBBING  | 28                | STATION  |          |
| 202                       | REMOVAL AND DISPOSAL OF FENCE   | 103               | LIN. FT. |          |
| 202                       | REMOVAL AND DISPOSAL OF GATES   | 1                 | EACH     |          |
| 202                       | REMOVAL AND DISPOSAL OF PIPE CULVERTS   | 1                 | EACH     |          |
| 210                       | UNCLASSIFIED EXCAVATION   | 9459              | CU. YD.  |          |
| 210                       | COMPACTED EMBANKMENT  | 5500              | CU. YD.  |          |
| SS&303                    | AGGREGATE BASE COURSE (CLASS 7)   | 4704              | TON.     |          |
| 504                       | APPROACH GUTTERS (TYPE D)   | 10.00             | CU. YD.  |          |
| 601                       | MOBILIZATION  | 1.00              | LUMP SUM |          |
| 602                       | FURNISHING FIELD OFFICE   | 1                 | EACH     |          |
| 603                       | MAINTENANCE OF TRAFFIC  | 1.00              | LUMP SUM |          |
| SS&604                    | SIGNS   | 154               | SQ. FT.  |          |
| SS&604                    | BARRICADES  | 40                | LIN. FT. |          |
| SS&604                    | TRAFFIC DRUMS   | 24                | EACH     |          |
| 606                       | 36" REINFORCED CONCRETE PIPE CULVERTS (CLASS III)                               | (ALTERNATE NO. 1) | 36       | LIN. FT. |
| 606                       | 36" ASPHALT COATED CORRUGATED STEEL PIPE CULVERTS (14 GAUGE)                    | (ALTERNATE NO. 2) | 40       | LIN. FT. |
| 606                       | 36" ALUMINUM COATED CORRUGATED STEEL PIPE CULVERTS (14 GAUGE)                   | (ALTERNATE NO. 3) | 40       | LIN. FT. |
| 606                       | 36" POLYMER PRECOATED METALLIC COATED CORRUGATED STEEL PIPE CULVERTS (14 GAUGE) | (ALTERNATE NO. 4) | 40       | LIN. FT. |
| 606                       | 36" FLARED END SECTIONS FOR REINFORCED CONCRETE PIPE CULVERTS                   | (ALTERNATE NO. 1) | 2        | EACH     |
| 606                       | 36" FLARED END SECTIONS FOR CORRUGATED STEEL PIPE CULVERTS                      | (ALTERNATE NO. 2) | 2        | EACH     |
| SS&606                    | 18" SIDE DRAIN  | 27                | LIN. FT. |          |
| SS&606                    | 36" SIDE DRAIN  | 27                | LIN. FT. |          |
| 606                       | SELECTED PIPE BEDDING   | 4                 | CU. YD.  |          |
| 606                       | SELECTED PIPE BACKFILL  | 8                 | CU. YD.  |          |
| 611                       | 4" PIPE UNDERDRAINS   | 300               | LIN. FT. |          |
| 617                       | GUARDRAIL (TYPE A)  | 200               | LIN. FT. |          |
| 617                       | TERMINAL ANCHOR POSTS (TYPE 1)  | 4                 | EACH     |          |
| 617                       | THRIE BEAM GUARDRAIL TERMINAL   | 4                 | EACH     |          |
| 619                       | WIRE FENCE (TYPE D-1)   | 103               | LIN. FT. |          |
| 620                       | LIME  | 7                 | TON      |          |
| 620                       | SEEDING   | 3.66              | ACRE     |          |
| 620                       | MULCH COVER   | 7.32              | ACRE     |          |
| SS&620                    | WATER   | 448.4             | M. GAL   |          |
| 621                       | TEMPORARY SEEDING   | 3.66              | ACRE     |          |
| 621                       | BALED STRAW DITCH CHECKS  | 60                | BALE     |          |
| 621                       | SILT FENCE  | 600               | LIN. FT. |          |
| 621                       | SAND BAG DITCH CHECKS   | 460               | BAG      |          |
| 621                       | SEDIMENT REMOVAL AND DISPOSAL   | 66                | CU. YD.  |          |
| 624                       | SOLID SODDING   | 34                | SQ. YD.  |          |
| 635                       | ROADWAY CONSTRUCTION CONTROL  | 1.00              | LUMP SUM |          |
| 637                       | MAILBOXES   | 1                 | EACH     |          |
| 637                       | MAILBOX SUPPORTS (SINGLE)   | 1                 | EACH     |          |
| SS&726                    | STANDARD SIGN   | 24.50             | SQ. FT.  |          |
| 729                       | CHANNEL POST SIGN SUPPORT (TYPE A)  | 2                 | EACH     |          |
| 729                       | CHANNEL POST SIGN SUPPORT (TYPE C)  | 4                 | EACH     |          |
| 804                       | REINFORCING STEEL-ROADWAY (GRADE 60)  | 824               | POUND    |          |
|                           |   |                   |          |          |
| STRUCTURES OVER 20' SPANS |   |                   |          |          |
| 205                       | REMOVAL OF EXISTING BRIDGE STRUCTURE (SITE NO. 1)                               | 1.00              | LUMP SUM |          |
| 636                       | BRIDGE CONSTRUCTION CONTROL   | 1.00              | LUMP SUM |          |
| 801                       | UNCLASSIFIED EXCAVATION FOR STRUCTURES - BRIDGE                                 | 16                | CU. YD.  |          |
| 802                       | CLASS S CONCRETE - BRIDGE   | 40.00             | CU. YD.  |          |
| 802                       | 31' PRECAST CONCRETE CURB UNITS   | 6                 | EACH     |          |
| 802                       | 31' PRECAST CONCRETE INTERIOR UNITS   | 18                | EACH     |          |
| 802                       | 31' PRECAST PARAPET RAIL UNITS  | 6                 | EACH     |          |
| 803                       | CLASS I PROTECTIVE SURFACE TREATMENT  | 9.9               | GAL.     |          |
| 804                       | REINFORCING STEEL - BRIDGE (GRADE 60)   | 4140              | POUND    |          |
| SP&805                    | STEEL SHELL PILING (18" DIAMETER)   | 1098              | LIN. FT. |          |
| 805                       | PILE ENCASEMENT   | 31                | LIN. FT. |          |
| 812                       | BRIDGE NAME PLATE (TYPE C)  | 1                 | EACH     |          |
| 816                       | FILTER BLANKET  | 304               | SQ. YD.  |          |
| 816                       | DUMPED RIPRAP   | 168               | CU. YD.  |          |
|                           |   |                   |          |          |

\* ALTERNATE BID ITEM

REVISIONS

| DATE | REVISIONS | SHEET<br>NUMBER |
|------|-----------|-----------------|
|      |           |                 |
|      |           |                 |
|      |           |                 |
|      |           |                 |





| DATE<br>REVISED | DATE<br>FILMED | DATE<br>REVISED | DATE<br>FILMED | FED. ROAD<br>DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------|----------------|-----------------|----------------|------------------------|-------|--------------------|--------------|-----------------|
|                 |                |                 |                | 6                      | ARK.  |                    |              |                 |
|                 |                |                 |                | JOB NO.                |       | FAI106             | 15           | 52              |

## BAR LIST - PER BENT

Note: Bars designated with an "E" are to be epoxy coated.

| MARK   | NO. REQ'D.  |          | LENGTH | 'A'   | 'B'    | P.D. |
|--------|---|----------|--------|-------|--------|------|
|        | END BT.   | INT. BT. |        |       |        |      |
| B401   | 35  | 36       | 10'-0" | 2'-8" | 2'-2"  | 2"   |
| B402   | 12  | 15       | 6'-10" | 2'-8" | 2'-2"  | 2"   |
| B403   | 2   | -        | 3'-8"  | -     | -      | Str. |
| B404   | 4   | -        | 6'-1"  | 5'-2" | 1'-0"  | 2"   |
| B405   | 6   | -        | 7'-11" | 5'-2" | 2'-10" | 2"   |
| B406   | 4   | -        | 6'-1"  | 4'-6" | 1'-8"  | 2"   |
| B407   | 6   | -        | 7'-11" | 4'-6" | 3'-6"  | 2"   |
| B408   | 30  | -        | 3'-8"  | -     | -      | Str. |
| B409   | 10  | -        | 3'-3"  | 1'-8" | 1'-8"  | 2"   |
| B410   | -   | 2        | 30'-8" | -     | -      | Str. |
|        |   |          |        |       |        |      |
| B601   | 6   | -        | 3'-8"  | -     | -      | Str. |
| B602   | -   | 6        | 30'-8" | -     | -      | Str. |
|        |   |          |        |       |        |      |
| B701   | 5   | -        | 3'-8"  | -     | -      | Str. |
| B702   | -   | 5        | 30'-8" | -     | -      | Str. |
|        |   |          |        |       |        |      |
| *ST01E | (See Precast Concrete Span Unit Bar List for number required) |          |        |       |        |      |
|        |   |          |        |       |        |      |

\* Payment for this bar is included in the pay items for the Precast Concrete Units.

QUANTITIES

| Bent Type | Class "S"<br>Concrete-<br>Bridge | Reinforcing<br>Steel (Gr. 60)<br>Bridge |
|-----------|----------------------------------|---|
| Int.      | 8.9 Cu.Yds.                      | 940 Lbs.                                |
| End       | 11.1 Cu.Yds.                     | 1130 Lbs.                               |

### General Notes

Design Specifications : AASHTO LRFD Bridge Design Specifications  
4th Edition (2007) with 2008 Interim.

Live Load : HL93

Seismic Zone : 4

Concrete : All concrete shall be Class "S" and have a minimum 28 day compressive strength  $f'_c = 3500$  psi. All exposed corners shall be chamfered  $\frac{3}{4}"$  unless otherwise noted.

Reinforcing Steel: Reinforcing steel shall conform to AASHTO M31 or M53, Grade 60.

Roofing Felt shall meet or exceed the requirements of ASTM D224 Type I. See Section 802.18 (d). The roofing felt shall be in one piece for the full length of the cap and three layers shall be used. Roofing Felt shall not be paid for directly, but shall be considered subsidiary to the pay items for Precast Concrete Units. Preformed Joint Filler shall conform to AASHTO M153, Type I and shall not be paid for directly but shall be considered subsidiary to the pay items for Precast Concrete Units.

Preformed joint filler shall conform to AASHTO M153, Type I and shall not be paid for directly but shall be considered subsidiary to the pay item for Precast Concrete Units.

Reinforcing bars in top of cap shall be properly placed to avoid interference with S701E dowels.

For Details of concrete filled Steel Shell Piles, see Dwg. No. 48315.  
For Details of 3'-0" Precast Concrete Spans, See Dwg. No. 48313.

DETAILS OF  
PILE BENTS FOR 31'-0" PRECAST  
CONCRETE SPANS - 28'-0" RDWY.

County Road No. 53

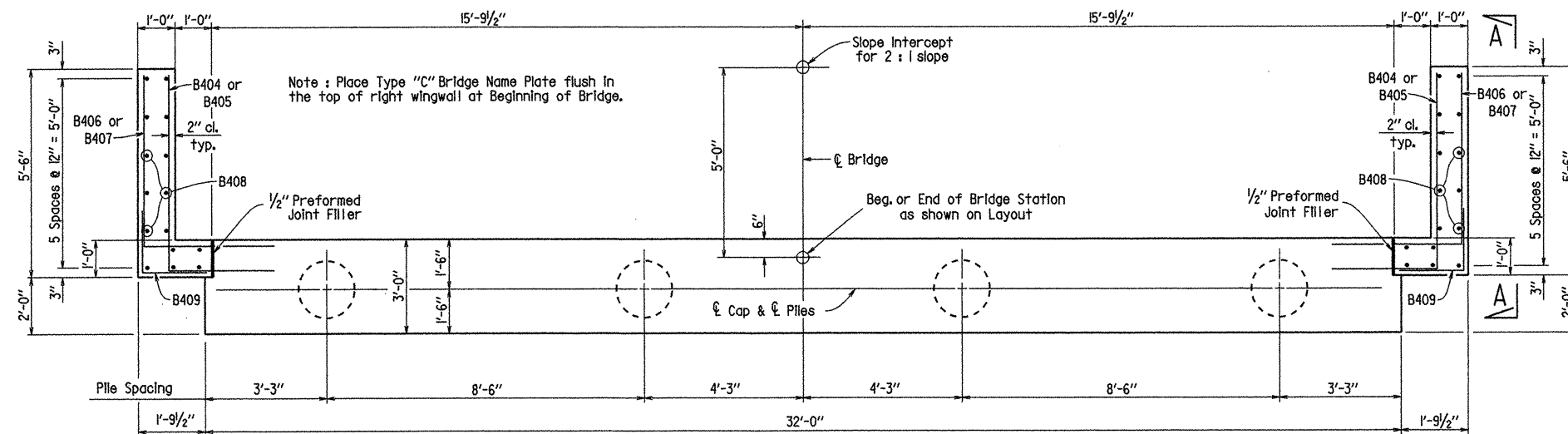
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: JBC DATE: 9-24-08 FILENAME: bfall06-bl.dgn

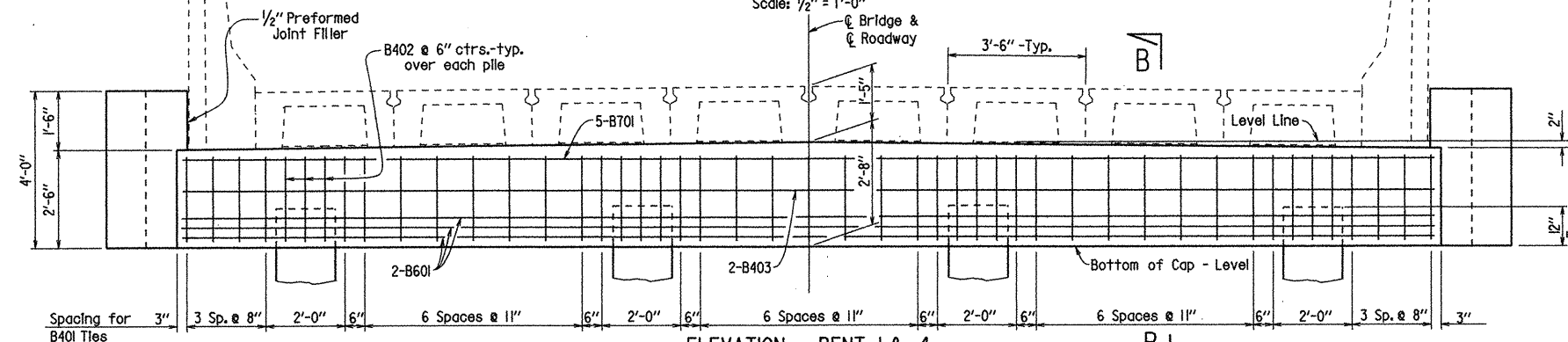
CHECKED BY: DHP DATE: 11/4/08 SCALE: AS NOTED

BRIDGE NO. 04907 DRAWING NO. 48312



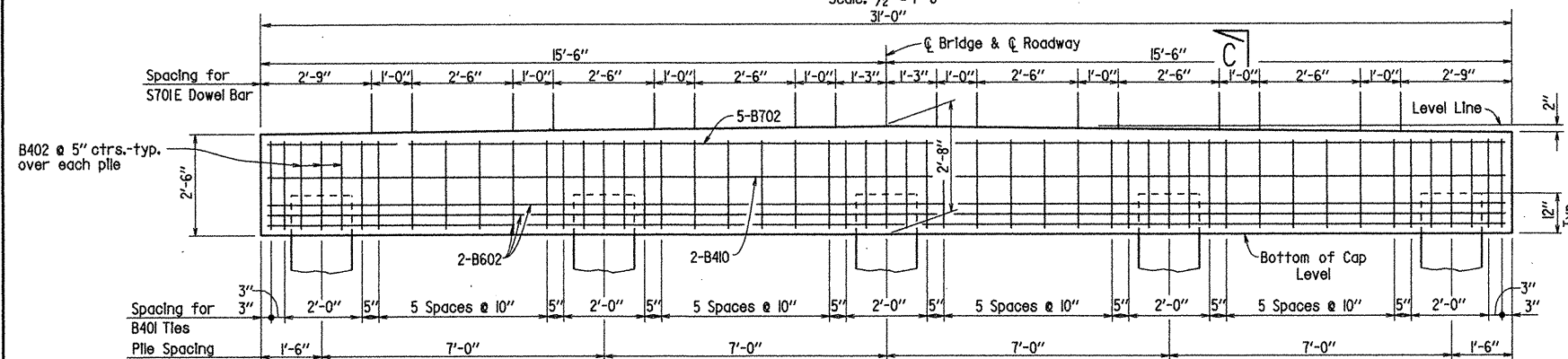
PLAN - BENT 1 & 4

Scale:  $\frac{1}{2}'' = 1'-0''$



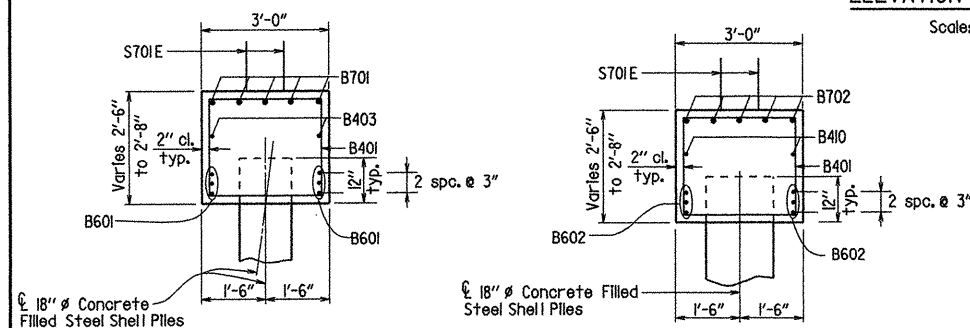
ELEVATION - BENT 1 & 4

Scale:  $\frac{1}{2}'' = 1'-0''$



ELEVATION - BENT 2 & 3

Scale:  $\frac{1}{2}'' = 1'-0''$

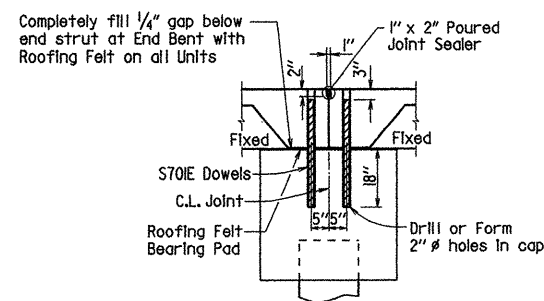


SECTION B-B

No Scale

SECTION C-C

No. Scale

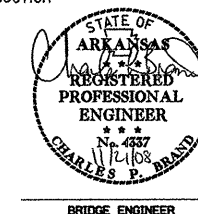


SECTION AT FIXED BENT

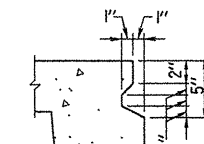
No Scale

Note: After each unit is in its final position, ST01E Dowels shall be grouted in place using an approved non-shrink grout, from the QPL, that completely fills the holes.

Poured Joint Sealer shall meet subsection 501.02(h) (2), Type 3, 4, 5 or 6.





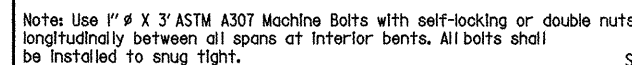


Scale:  $1\frac{1}{2}'' = 1'-0''$

\* Designated "Richmond SCAB" on the Plans.

Scale:  $\frac{3}{8}'' = 1'-0''$

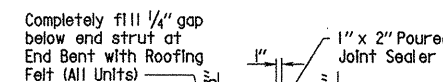
Note: The deck shall be given a fine finish as specified for Class 5 Roadway Surface Finish in subsection 802.19 of the Standard Specifications.



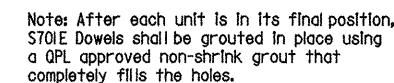
Scale:  $\frac{1}{2}'' = 1'-0''$



Scale:  $\frac{1}{2}'' = 1'-0''$



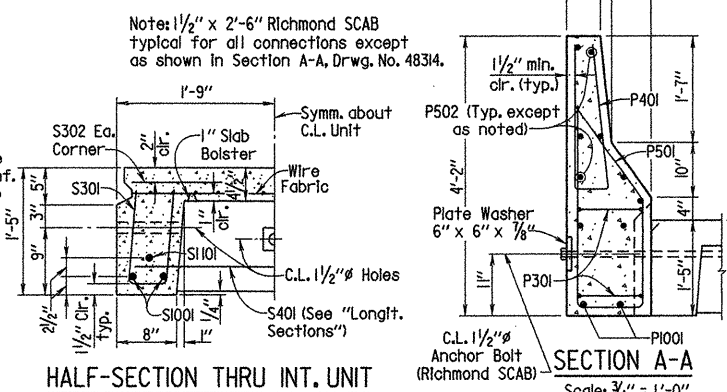
No Scale



Poured Joint Sealer shall meet subsection 501.02(h) (2), Type 3, 4, 5 or 6.

Note: For details and bar list for Precast Parapet Wall at End Span, see std. drwg. no. 48314.

Scale: 1" = 1'-0"



County Road No. 53  
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: JBC DATE: 10-16-2008 FILENAME: bfall06\_sl.dgn

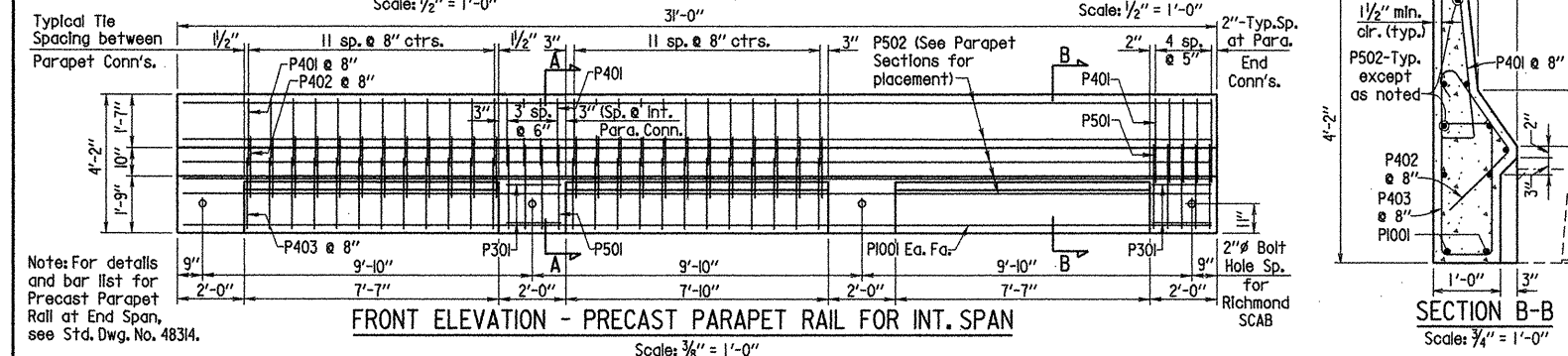
CHECKED BY: DHP DATE: 11/4/08 SCALE: AS SHOWN

DESIGNED BY: STD DATE: \_\_\_\_\_

BRIDGE NO. 04907 DRAWING NO. 48313

\*\*5 - #3 Stirrups @ 6" ctrs. may be used in place of wire fabric in struts

Scale:  $\frac{3}{8}'' = 1'-0''$

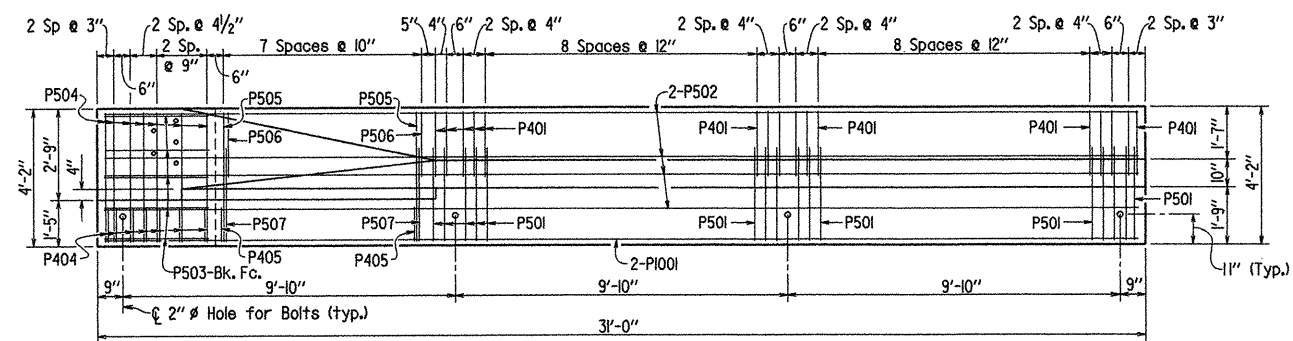


Scale:  $\frac{3}{4}'' = 1'-0''$



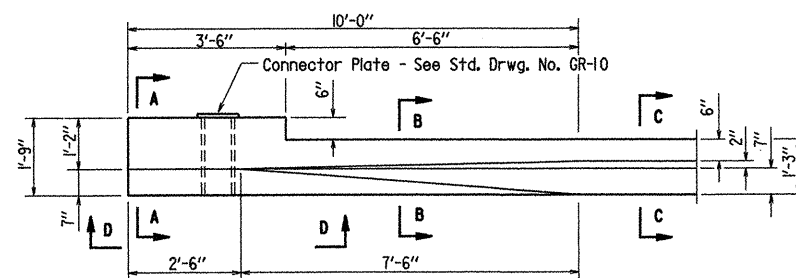
## BRIDGE ENGINEER

| DATE<br>REVISED | DATE<br>FILMED | DATE<br>REVISED | DATE<br>FILMED | FED. ROAD<br>DIST. NO. | STATE                        | FED. AID PROJ. NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------|----------------|-----------------|----------------|------------------------|------------------------------|--------------------|--------------|-----------------|
|                 |                |                 |                | 6                      | ARK.                         |                    |              |                 |
|                 |                |                 |                | JOB NO.                | FA1106                       |                    | 17           | 52              |
|                 |                |                 |                | (1)                    | 04907 - PRECAST RAIL - 48314 |                    |              |                 |



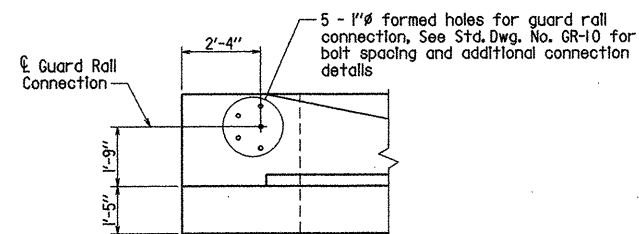
FRONT ELEVATION-PRECAST PARAPET RAIL FOR 3'-0" END SPAN

Scale:  $\frac{3}{8}'' = 1'-0''$



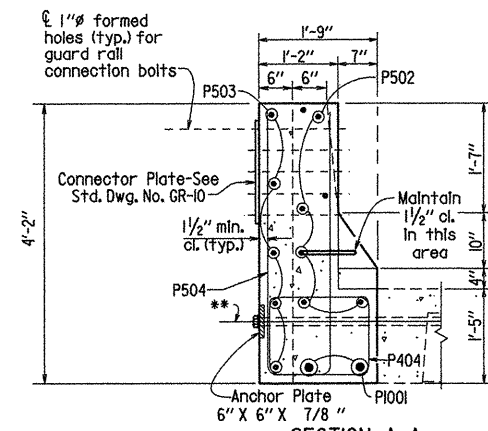
TYPICAL PLAN OF PRECAST PARAPET RAIL FOR END SPAN

Scale:  $\frac{1}{2}'' = 1'-0''$



VIEW D-D

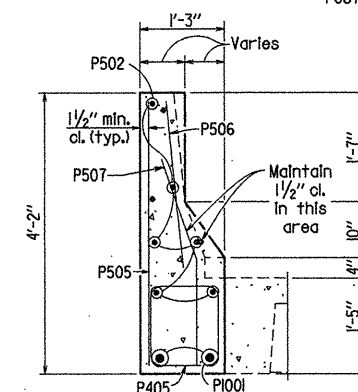
Scale:  $\frac{3}{8}'' = 1'-0''$



SECTION A-A

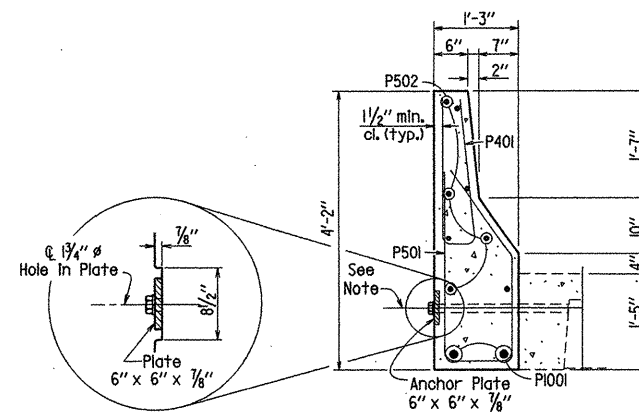
Scale:  $\frac{3}{4}'' = 1'-0''$

\*\* 1 1/2" Ø X 3'-0"  
Richmond S.C.A.B. or  
equal required at End  
Post Connections only.



SECTION B-B

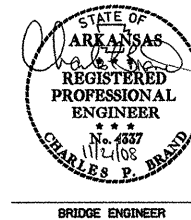
Scale:  $\frac{3}{4}'' = 1'-0''$



SECTION C-C

Scale:  $\frac{3}{4}" = 1'-0"$

Note : 2"  $\phi$  Hole for Bolt.  
1 1/2"  $\phi$  x 2'-6" Richmond Screw  
Anchor & Bolt Assembly or equal  
is typical for all connections  
except as shown in SECTION A-A.



### DETAILS OF PARAPET RAILS FOR 31'-0" PRECAST END SPANS

County Road No. 53

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: JBC      DATE: 10-16-2008      FILENAME: bfall06\_s2.dgn

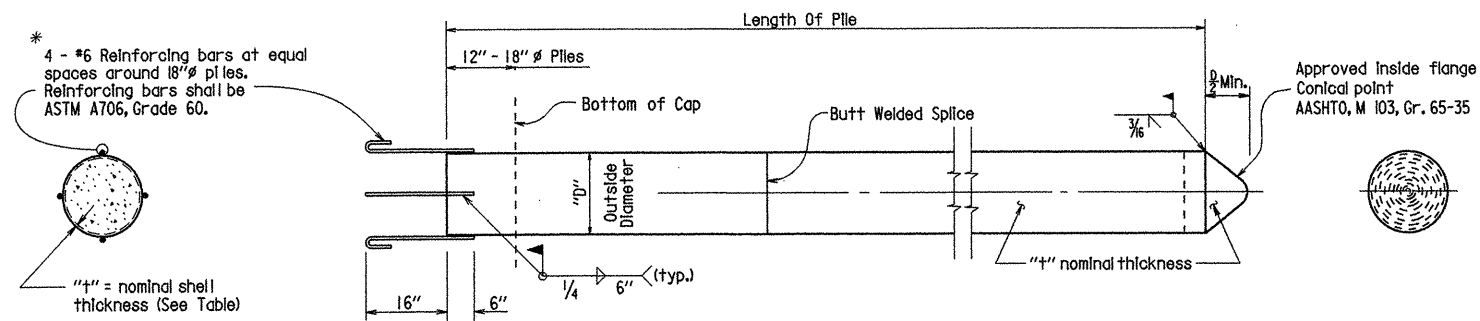
CHECKED BY: DHP      DATE: 11/4/08      SCALE: AS NOTED

DESIGNED BY: STD.      DATE:

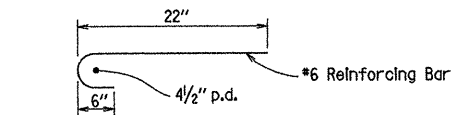
BRIDGE NO. 04907      DRAWING NO. 48314

| 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.             |       | FA1106             | 18        | 52           |
|              |             |              |             |                     |       |                    |           |              |

① 04907 - PILE DETAILS - 48315

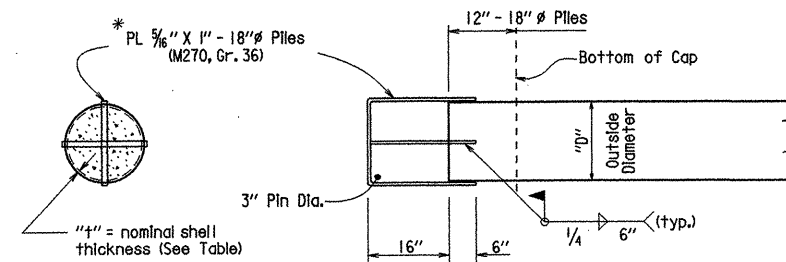


### CONCRETE FILLED STEEL SHELL PILES

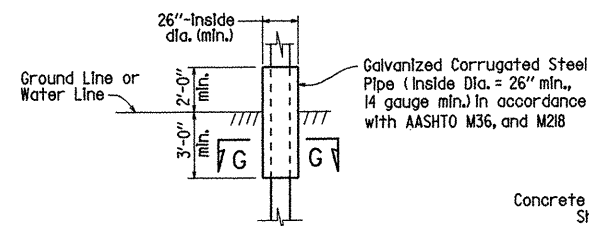


TYP. HOOKED BAR DETAIL

\* Straps or reinforcing bars shall be placed to minimize interference with anchor bolts and cap reinforcing

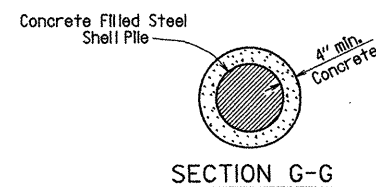


ALTERNATE CONNECTION DETAIL

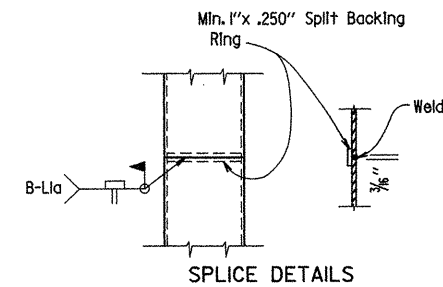


PILE ENCASEMENT DETAIL FOR STEEL SHELL PILES

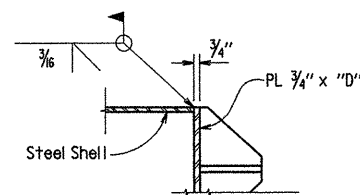
**GENERAL NOTES FOR PILE ENCASEMENTS**  
 See bridge layouts for required location of encasements.  
 Steel Piling that extends above the ground shall be protected by Painting in accordance with subsection 805.02.  
 Concrete shall have a minimum 28 day compressive strength,  $f'_c = 3,500$  psi.  
 If concrete cannot be placed in the dry, seal concrete may be deposited under water.  
 Concrete and galvanized corrugated steel pipe will not be paid for directly, but will be considered as part of the Item "Pile Encasement".



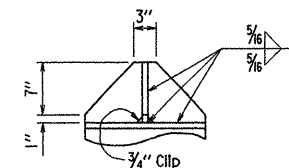
SECTION G-G



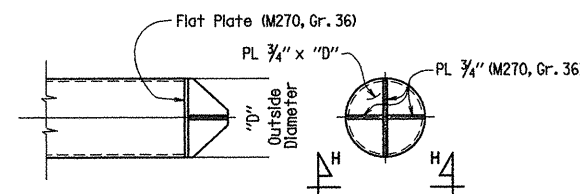
SPLICE DETAILS



PART SECTION

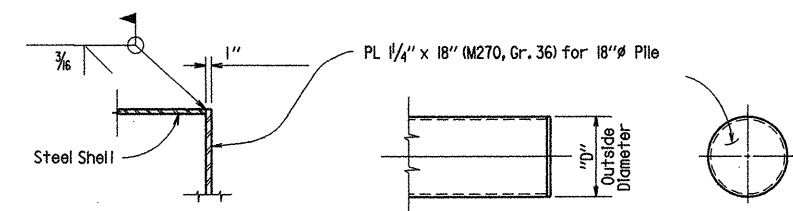


SECTION H-H



ELEVATIONS

ALTERNATE VANED TIP DETAIL



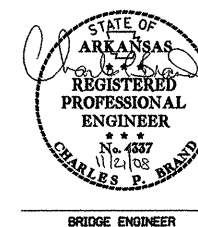
PART SECTION

ELEVATIONS

ALTERNATE FLAT TIP DETAIL

### TABLE FOR SHELL PILES

| OUTSIDE DIAMETER D | "+"-NOMINAL SHELL THICKNESS |  |
|--------------------|-----------------------------|--|
| 18"                | 0.50"                       |  |
|                    |                             |  |
|                    |                             |  |

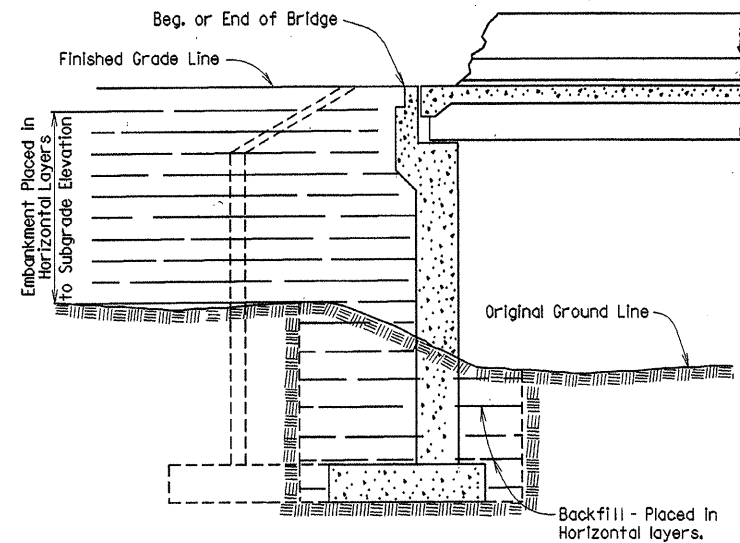


BRIDGE ENGINEER

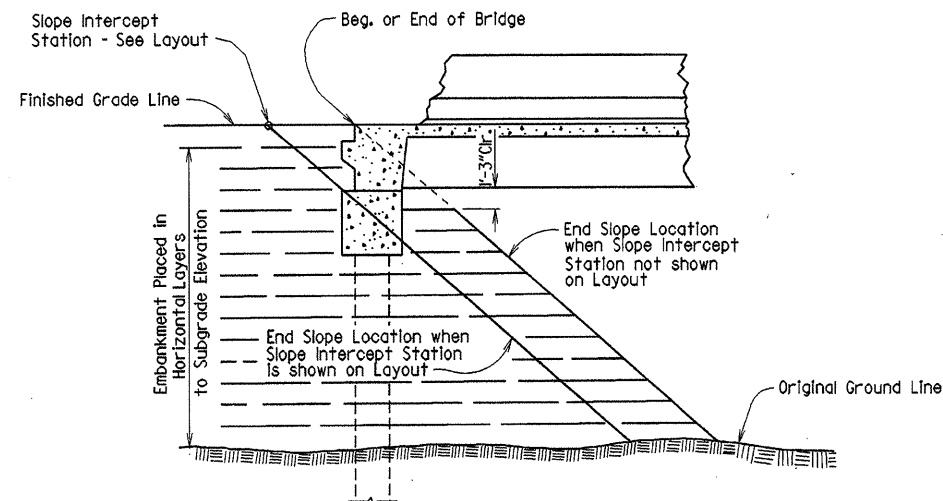
### DETAILS OF CONCRETE FILLED STEEL SHELL PILES

County Road No. 53  
**ARKANSAS STATE HIGHWAY COMMISSION**  
 LITTLE ROCK, ARK.  
 DRAWN BY: JBC DATE: 10/16/2008 FILENAME: bfa1106\_ssp.dgn  
 CHECKED BY: DHP DATE: 11/4/08 SCALE: NONE  
 DESIGNED BY: STD. DATE: BRIDGE NO. 04907 DRAWING NO. 48315

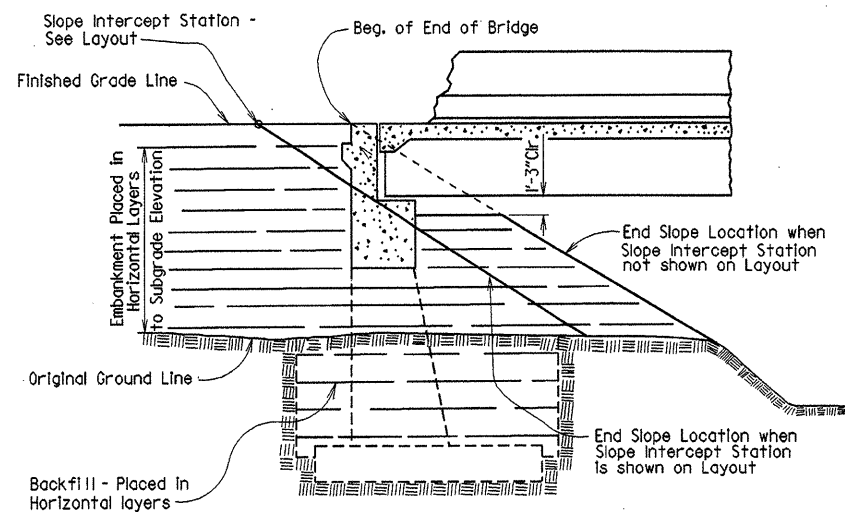
| DATE<br>REVISED | DATE<br>FILMED | DATE<br>REVISED | DATE<br>FILMED | FED. ROAD<br>DIST. NO. | STATE                 | FED. AID PROJ. NO. | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------|----------------|-----------------|----------------|------------------------|-----------------------|--------------------|--------------|-----------------|
| 04-10-2003      |                |                 |                | 6                      | ARK.                  |                    | 19           |                 |
|                 |                |                 |                | JOB NO.                |                       |                    |              |                 |
|                 |                |                 |                | ①                      | EMBANKMENT & BACKFILL |                    |              | 1888A           |



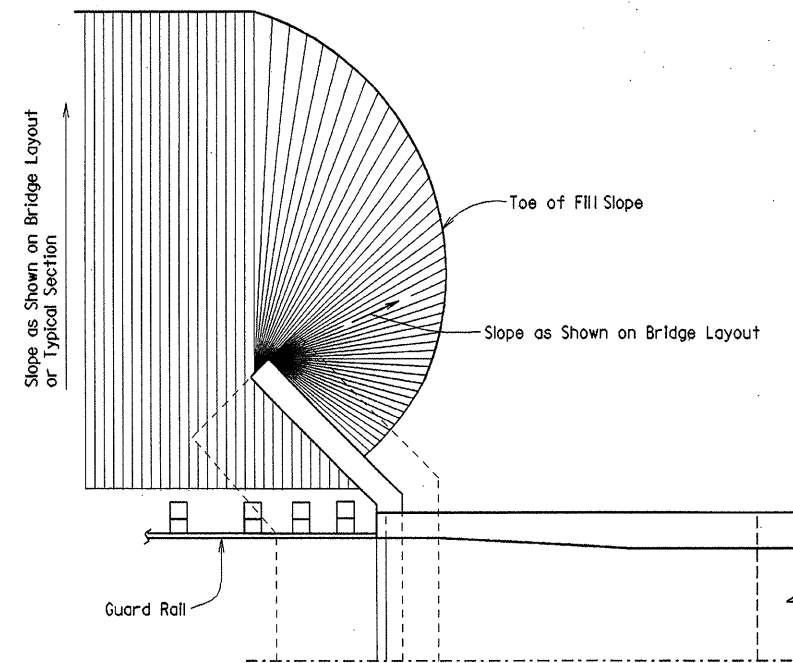
EMBANKMENT CONSTRUCTION AND FOOTING BACKFILL  
AT VERTICAL WALL ABUTMENTS



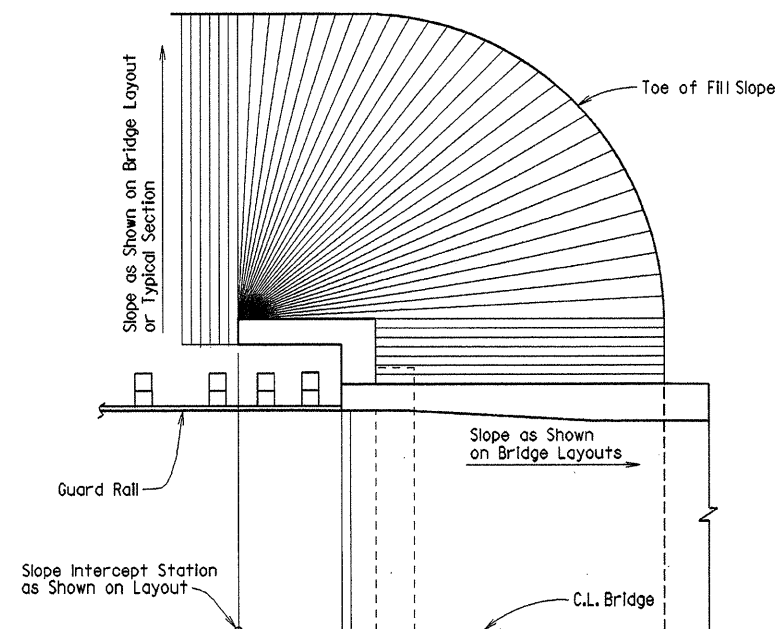
EMBANKMENT CONSTRUCTION AT SPILL-THROUGH  
PILE END BENTS



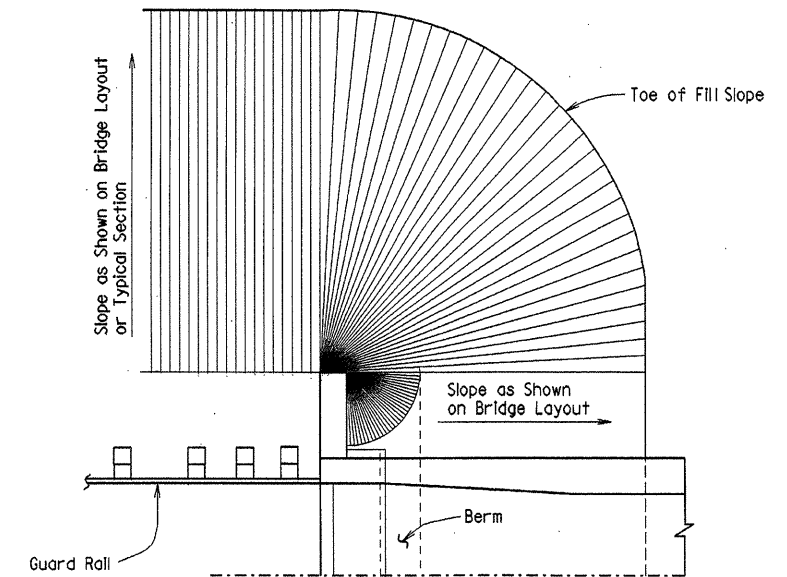
EMBANKMENT CONSTRUCTION AND FOOTING BACKFILL  
AT SPILL-THROUGH END BENTS



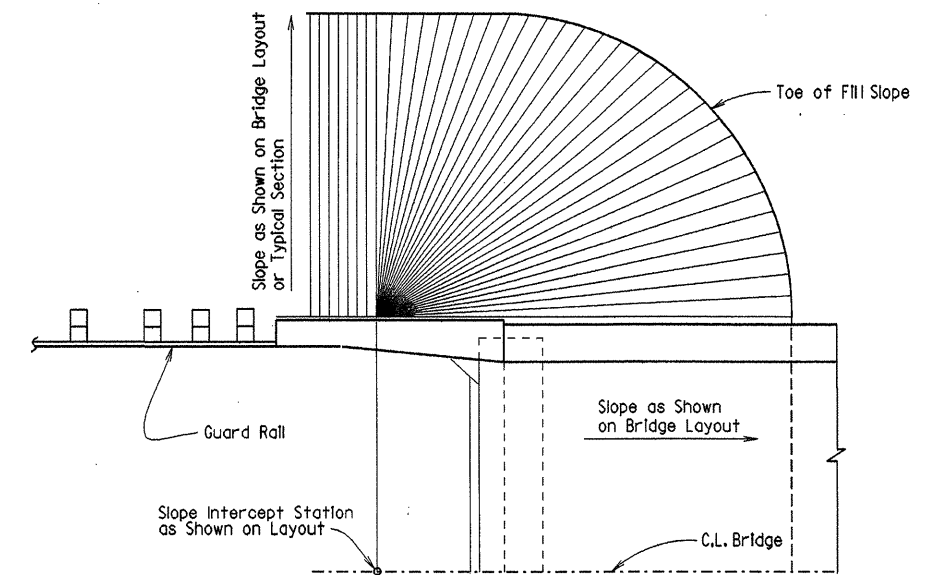
VERTICAL WALL ABUTMENTS



SPILL-THROUGH END BENTS WITH TURNBACK WING



SPILL-THROUGH END BENTS WITH STUB WING



SPILL-THROUGH END BENTS WITH TRANSITION WING

#### GENERAL NOTES

The Bridge End Embankment shall be defined as a section of embankment, not less than 20 feet long adjacent to the bridge end, together with the side slopes and slopes under the bridge end including around the end of wingwalls. Embankment adjacent to structures shall be constructed in 4 inch horizontal layers (loose measure) and compacted by the use of mechanical equipment to the satisfaction of the Engineer. Refer to subsections 210.09, 210.10 and 801.08 of the Specifications for construction requirements.

Revised and redrawn MJT 04-10-2003  
Chk'd. By: csf 04-10-2003

#### METHOD OF DETERMINING FILL SLOPE LOCATION AT BRIDGE ENDS



BRIDGE ENGINEER

#### EMBANKMENT CONSTRUCTION AND BACKFILL AT BRIDGE ENDS

ROUTE SEC.  
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

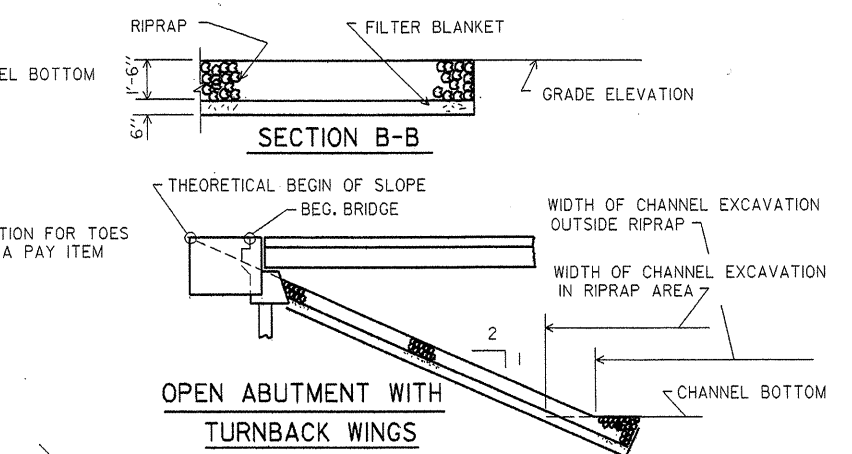
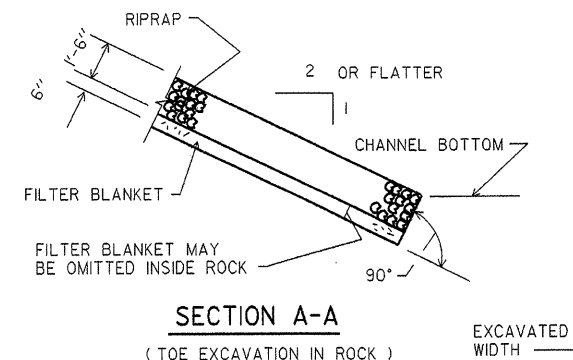
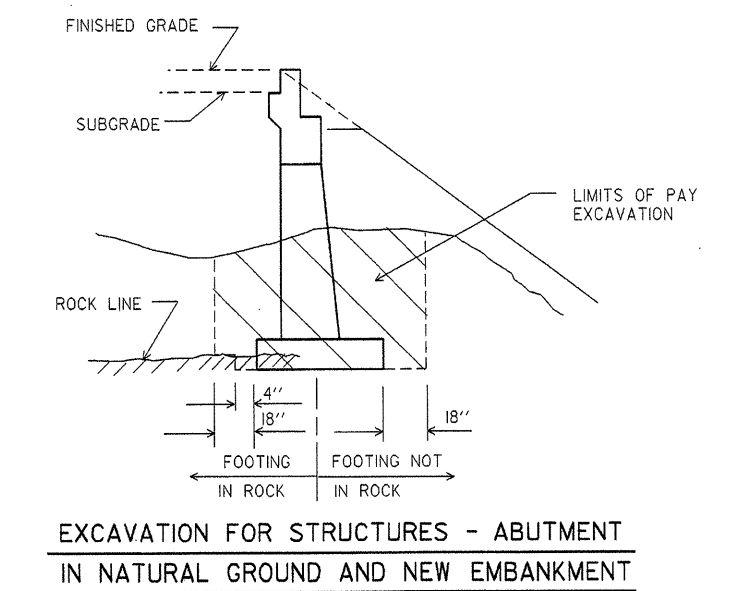
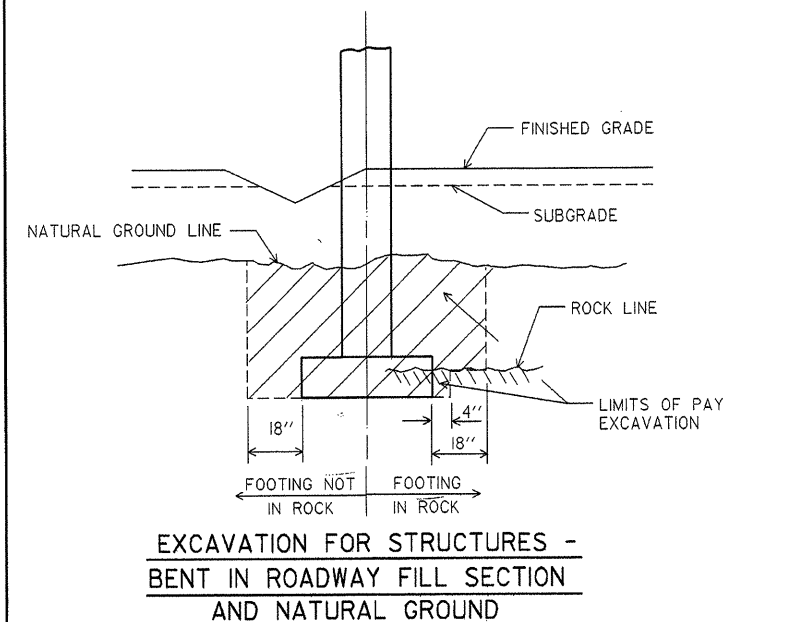
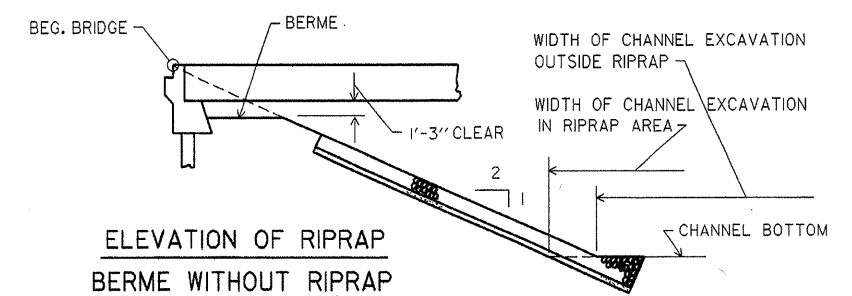
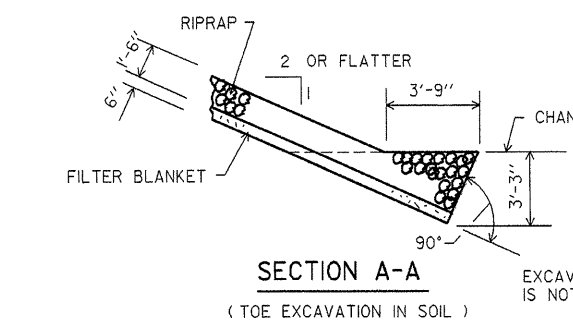
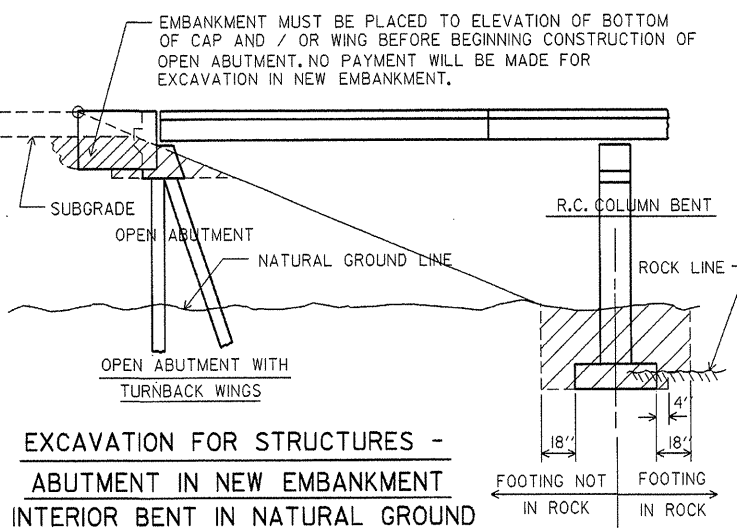
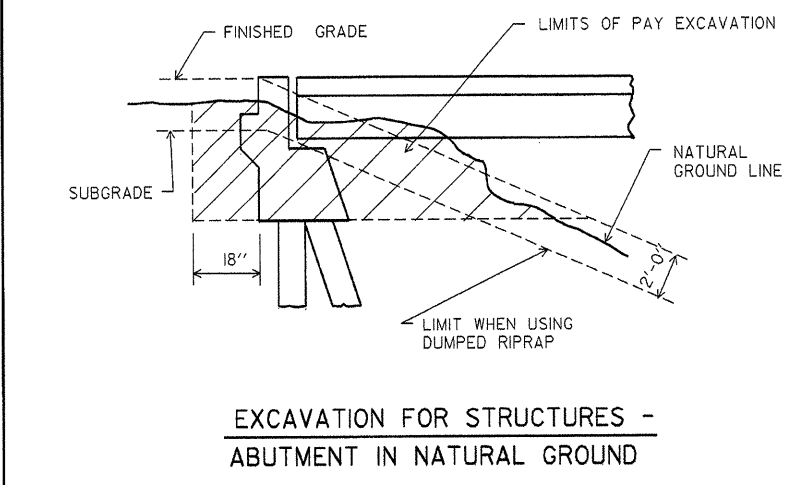
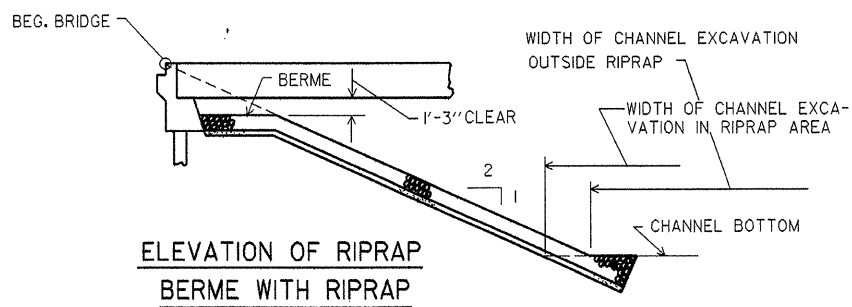
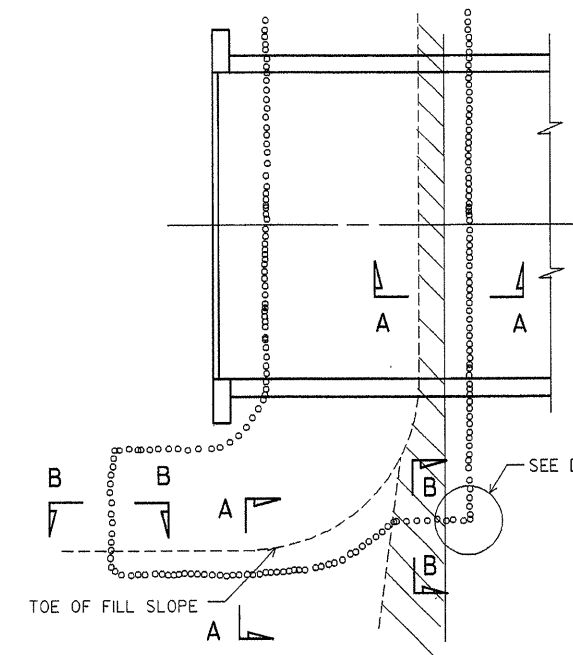
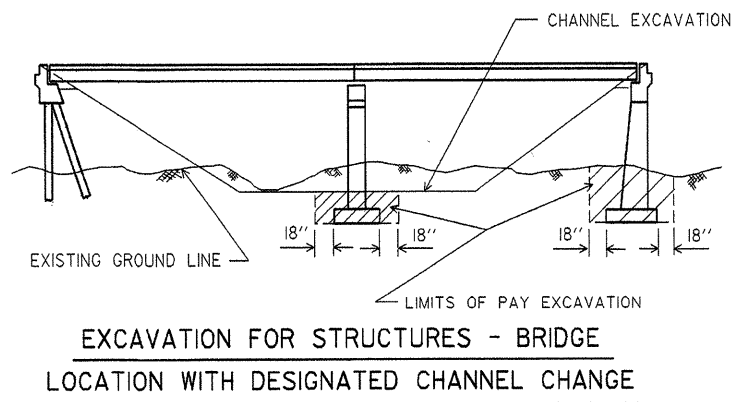
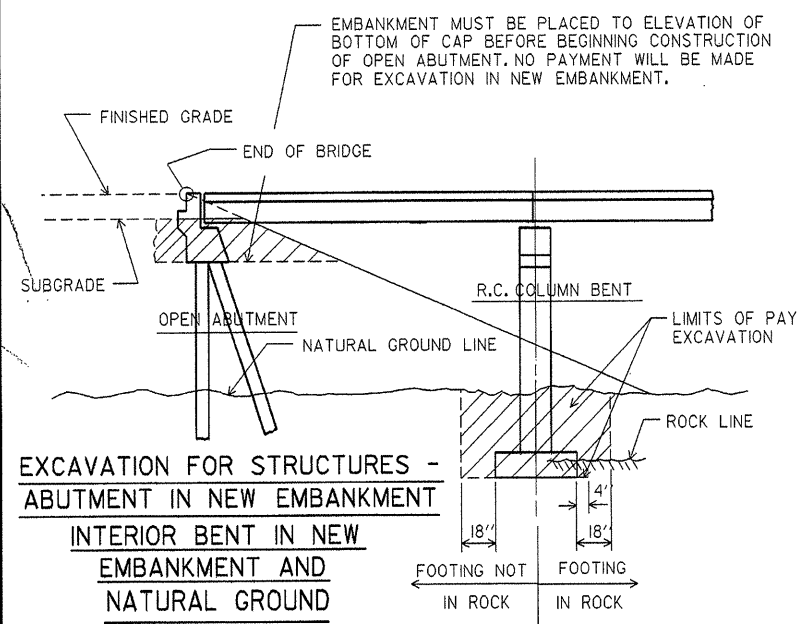
DRAWN BY: MJT DATE: 04-10-2003 FILENAME: B1888A.STD

CHECKED BY: CJF DATE: 04-10-2003 SCALE: NO SCALE

DESIGNED BY: STD DATE: BRIDGE NO. DRAWING NO. 1888A



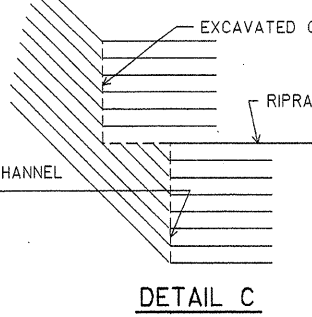
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE         | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|---------------|--------------------|-----------|--------------|
| 04-10-2003   |             |              |             | 6                   | ARK.          |                    | 20        |              |
|              |             |              |             | JOB NO.             |               |                    |           |              |
|              |             |              |             | 1                   | RIP. & EXCAV. |                    |           | 1891F        |



NOTE : USE THIS TYPE OF TOE WHEN ROCK IS ENCOUNTERED WHICH IS IN A STABLE CONDITION.

NOTE : IN LIEU OF AN AGGREGATE FILTER BLANKET, A SYNTHETIC FIBER GEOTEXTILE FABRIC COMPLYING WITH THE REQUIREMENTS OF SUBSECTION 816.02(a) MAY BE USED.

NOTE : DETAILS FOR COMPUTING EXCAVATION FOR STRUCTURES ARE INCLUDED FOR INFORMATION AS TO HOW PLAN QUANTITIES WERE CALCULATED AND FOR USE WHEN ADJUSTING QUANTITIES WHEN CHANGING FOOTING ELEVATION.



STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 4337  
CHARLES P. BRAND  
BRIDGE ENGINEER

Revised and redrawn MJT 04-10-2003  
Chk'd. By: CJP 04-10-2003

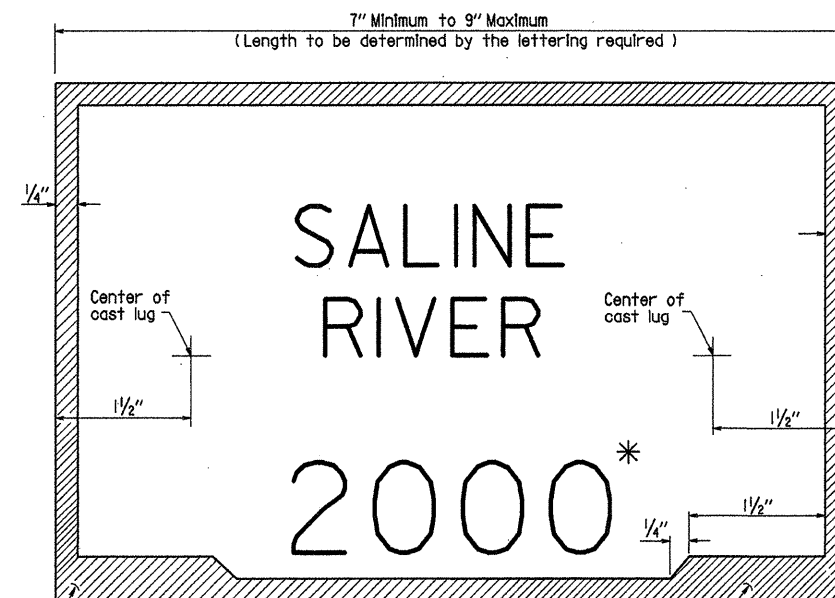
DETAILS FOR DUMPED RIPRAP  
AND FILTER BLANKET AND  
DETAILS FOR COMPUTING  
EXCAVATION FOR STRUCTURES

ROUTE SEC.  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

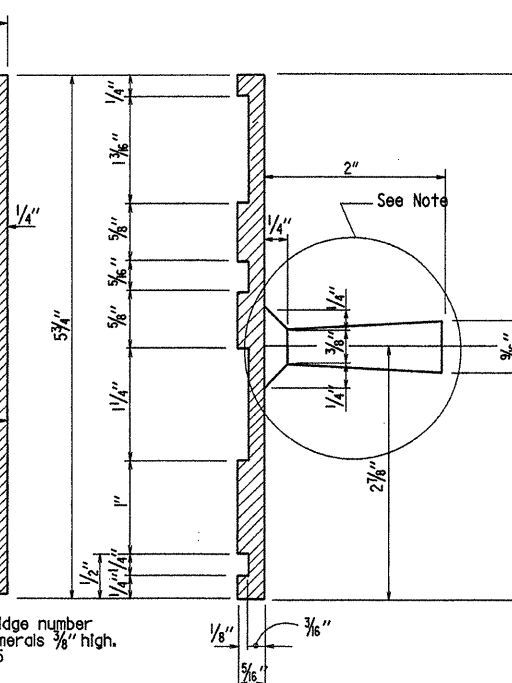
DRAWN BY: MJT DATE: 04-10-2003 FILENAME: B1891F.STD  
CHECKED BY: CJP DATE: 04-10-2003 SCALE: NO SCALE  
DESIGNED BY: STD DATE: BRIDGE NO. DRAWING NO. 1891F



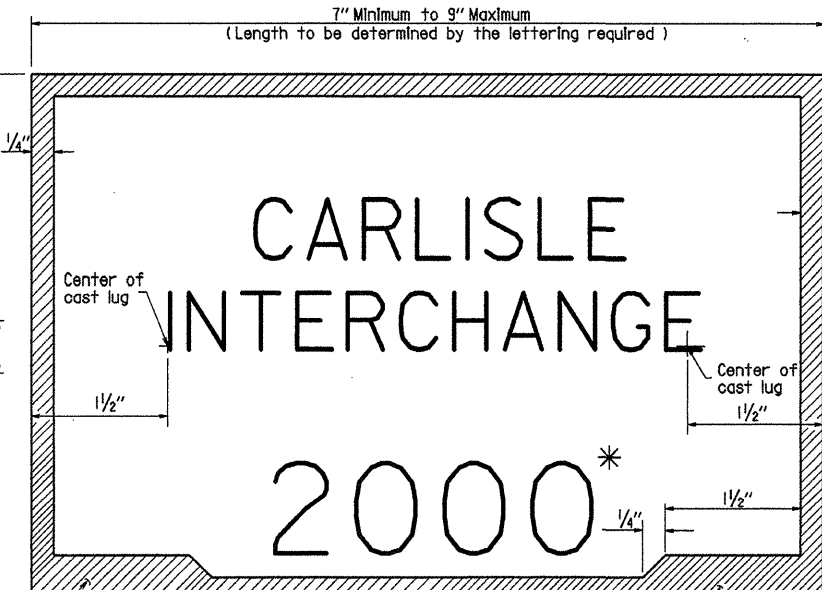
| DATE REVISED | DATE FILMED | DATE REVISED | DATE FILMED | FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|--------------|-------------|--------------|-------------|---------------------|-------|--------------------|-----------|--------------|
| 09-20-2007   |             |              |             | 6                   | ARK.  |                    | 22        |              |
|              |             |              |             | JOB NO.             |       |                    |           |              |
|              |             |              |             | NAME PLATES         | 2389A |                    |           |              |



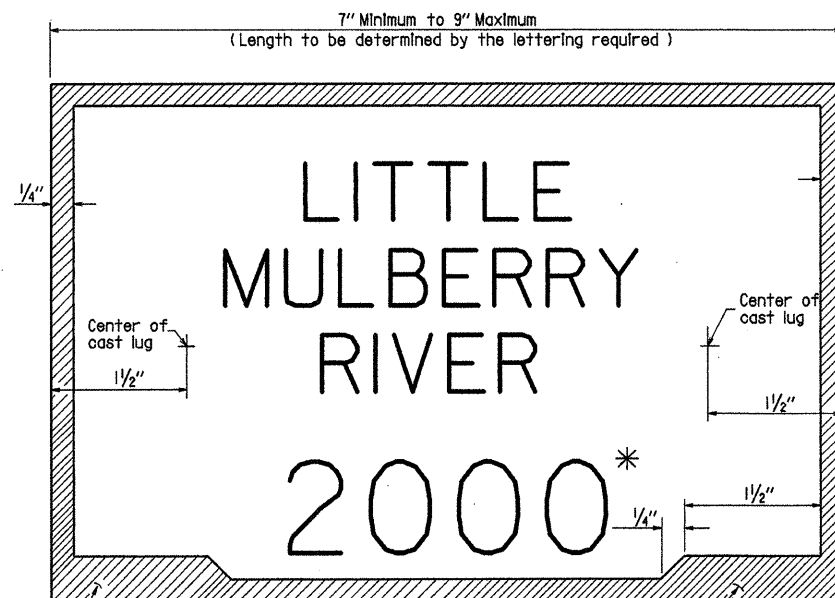
TYPICAL BRIDGE NAME PLATE-STYLE 1 - FULL SIZE  
STREAM CROSSINGS



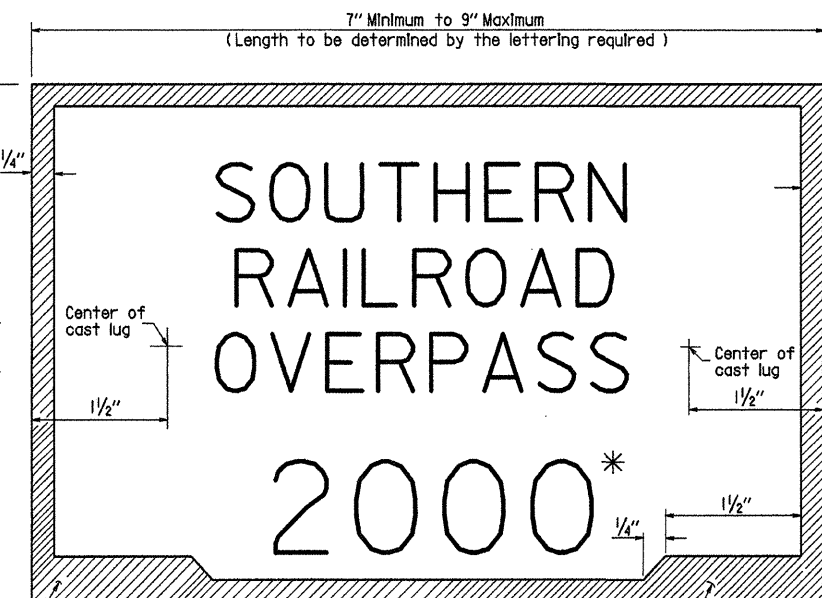
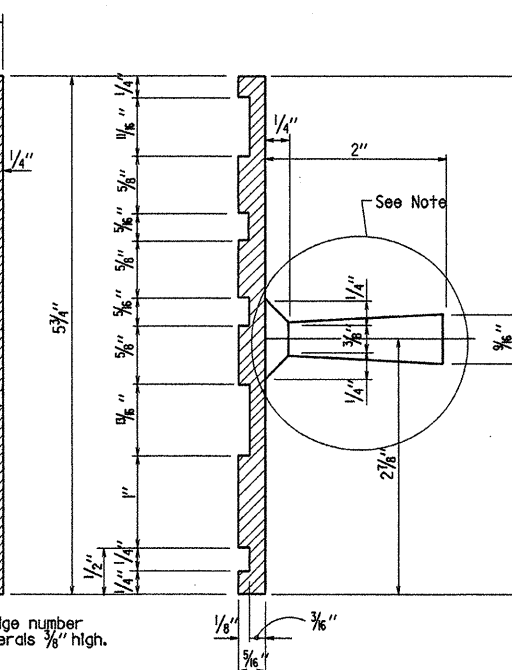
Note: Alternate attachments may be used provided such attachments are submitted and approved secured before fabrication is begun.



TYPICAL BRIDGE NAME PLATE-STYLE 3 - FULL SIZE  
GRADE SEPARATION STRUCTURES

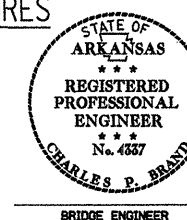


TYPICAL BRIDGE NAME PLATE-STYLE 2 - FULL SIZE  
STREAM CROSSINGS



TYPICAL BRIDGE NAME PLATE-STYLE 4 - FULL SIZE  
GRADE SEPARATION STRUCTURES

\* Year in which contract is awarded.



Revised and redrawn MJT 09-20-2007  
Chk'd. By: C.F. 09-20-2007

DETAILS OF STANDARD  
TYPE C BRIDGE NAME PLATES  
ROUTE SEC.  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.  
DRAWN BY: MJT DATE: 09-20-2007 FILENAME: B2389A.STD  
CHECKED BY: C.F. DATE: 09-20-2007 SCALE: NOT TO SCALE  
DESIGNED BY: STD. DATE:   
BRIDGE NO. DRAWING NO. 2389A