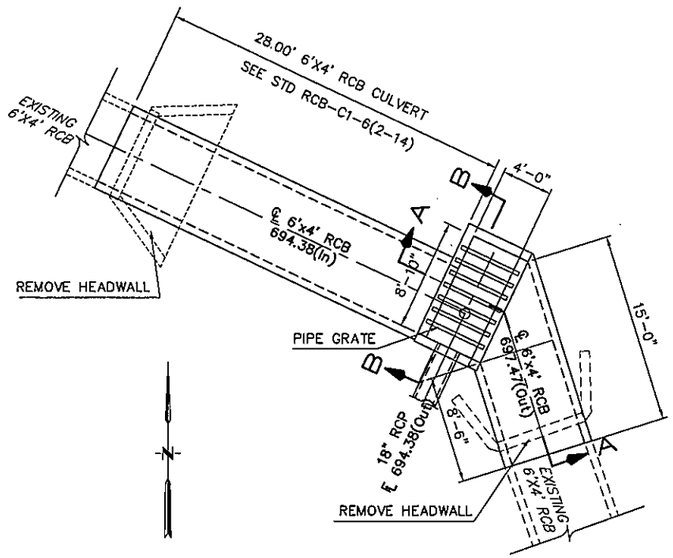
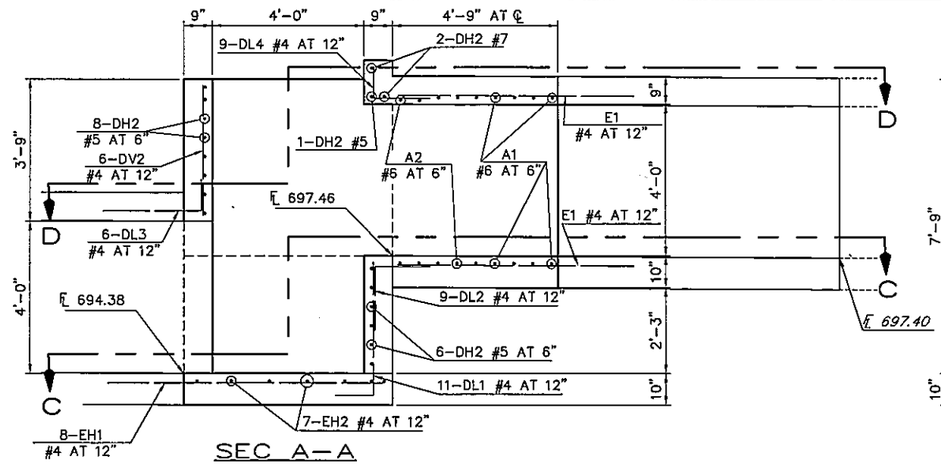


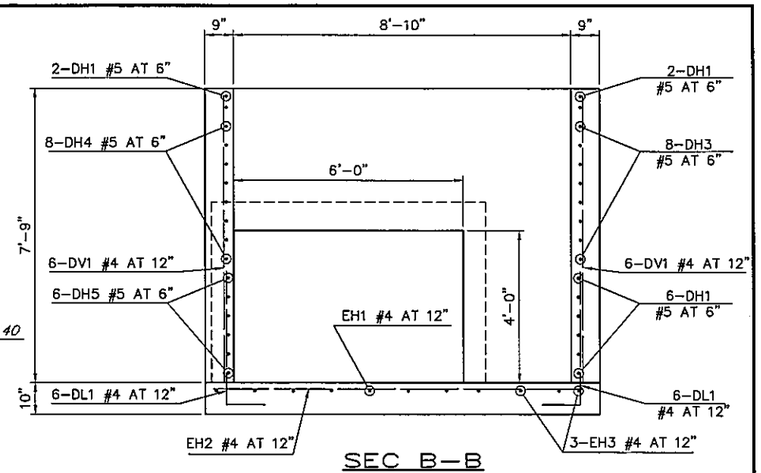

## STRUCTURE P1 PLAN

STA. 3260+34.37, 209.50' RT CRL US 69
NO SCALE




## SEC A—A

NO SCALE




## SEC B—B

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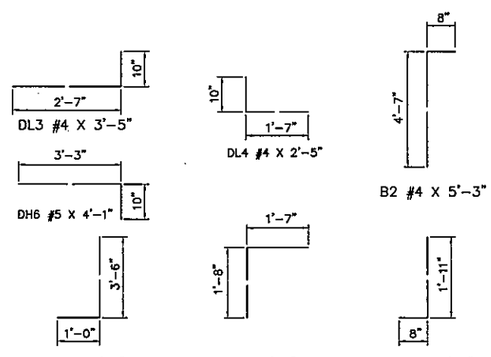
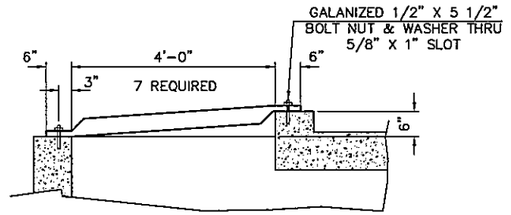



## TYPICAL GRATE DETAIL

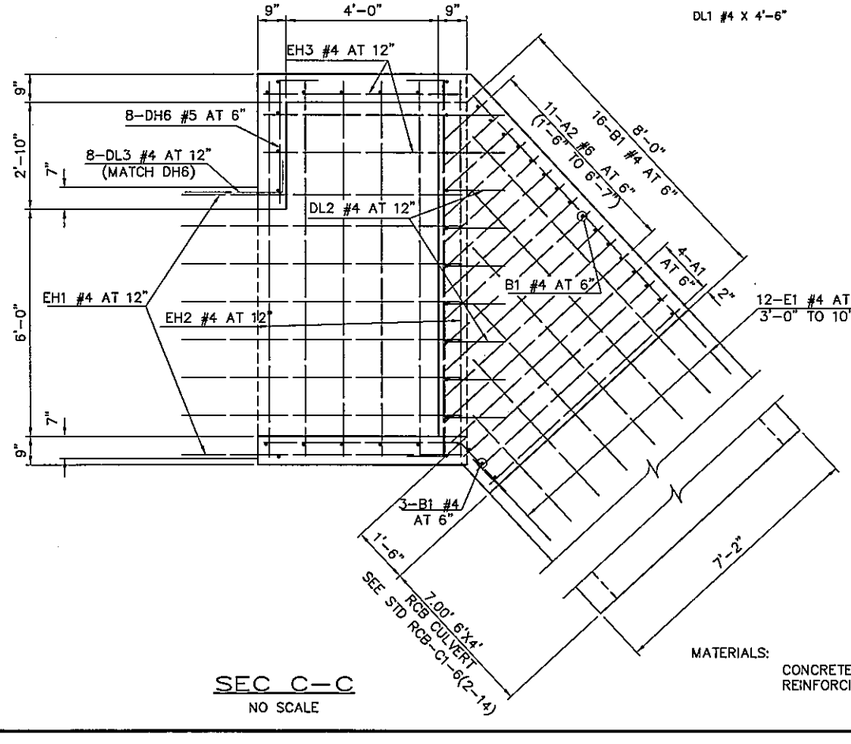
**GENERAL NOTES:**

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.
4. SEE BRIDGE STANDARD RCB-C1-6(2-14) FOR DETAILS OF 6'X4' RCB. TOP OPENING SHALL HAVE SEVEN(7) – 3" DIA. STD. WT. GALV. STEEL PIPE SAFETY GRATES INSTALLED AS SHOWN AT 12" MAX. CENTERS. COST OF PIPE SAFETY GRATES AND ALL HARDWARE NEEDED FOR INSTALLATION SHALL BE INCLUDED IN THE PRICE BID IN THE ITEMS LISTED BELOW.
5. PIPE GRATE ENDS SHALL BE HELD DOWN WITH 1/2" X 5 1/2" GALV. BOLT, WASHER & NUT MEETING THE REQUIREMENTS OF ASTM A325. BOLT THREADS, 1 3/4", SHALL REMAIN EXPOSED FOR INSTALLING GRATE.

## BAR LIST

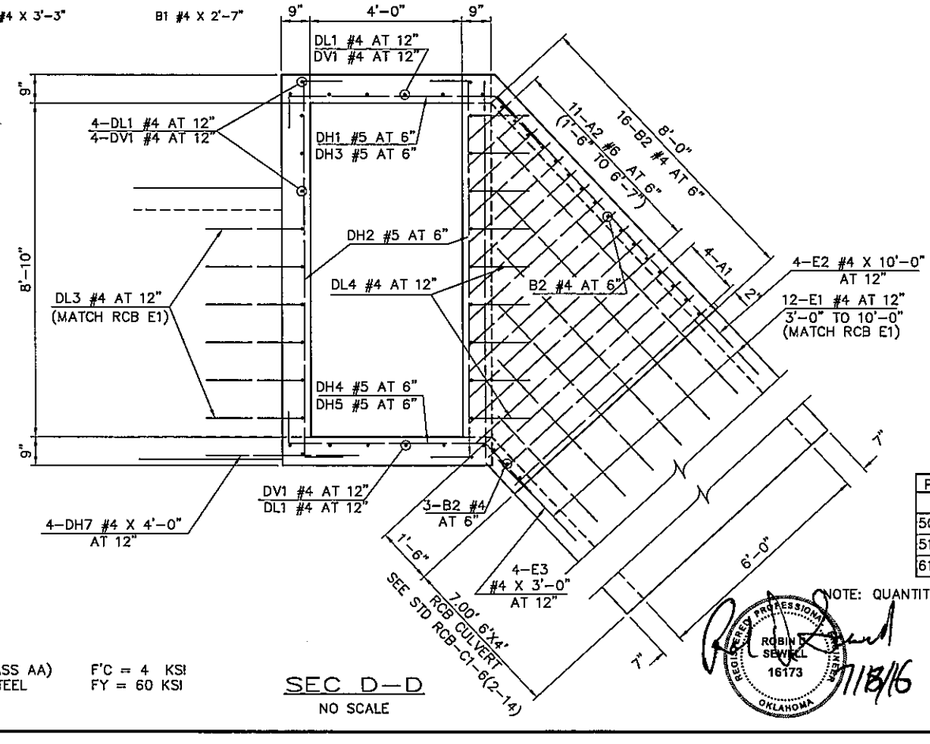
(DOES NOT INCLUDE 6' X 4' RCB CULVERTS)

| MARK | SIZE | QTY. | FORM | LENGTH | REMARKS |
|---|---|---|---|---|---|
| DH1 | #5 | 10 | BNT | 6'-10" | |
| DH2 | #5 | 15 | BNT | 11'-8" | |
| DH3 | #5 | 8 | BNT | 8'-0" | |
| DH4 | #5 | 8 | BNT | 7'-9" | |
| DH5 | #5 | 6 | BNT | 6'-11" | |
| DH6 | #5 | 8 | BNT | 4'-1" | |
| DH7 | #4 | 4 | STR | 4'-0" | |
| DL1 | #4 | 27 | BNT | 4'-6" | |
| DL2 | #4 | 9 | BNT | 3'-3" | |
| DL3 | #4 | 6 | BNT | 3'-5" | |
| DL4 | #4 | 9 | BNT | 2'-5" | |
| DV1 | #4 | 16 | STR | 7'-7" | |
| DV2 | #4 | 6 | STR | 3'-5" | |
| DC | #7 | 2 | STR | 10'-0" | |
| EH1 | #4 | 8 | STR | 7'-6" | |
| EH2 | #4 | 7 | STR | 10'-0" | |
| EH3 | #4 | 3 | STR | 5'-2" | |
| A1 | #6 | 8 | STR | 6'-10" | |
| A2 | #6 | 22 | STR | 4'-0 3/4" AVG | 1'-6" TO 6'-7" |
| B1 | #4 | 19 | BNT | 2'-7" | |
| B2 | #4 | 19 | BNT | 5'-3" | |
| E1 | #4 | 24 | STR | 6'-6" AVG | 3'-0" TO 10'-0" |
| E2 | #4 | 4 | STR | 10'-0" | |
| E3 | #4 | 4 | STR | 3'-0" | |




## SEC C—C

NO SCALE




## SEC D—D

NO SCALE

MATERIALS:

CONCRETE (CLASS AA) F'C = 4 KSI
REINFORCING STEEL FY = 60 KSI

| PAY ITEMS | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | UNIT | QUANTITY |
| 508(A) 0319 | CLASS AA CONCRETE | CY | 30.46 |
| 511(A) 0332 | REINFORCING STEEL | LB | 4,300.00 |
| 611(K) 5961 | RPL DROP INLET GRATES-CDI RCB | EA | 7.00 |

NOTE: QUANTITIES ABOVE ARE FOR STRUCTURE P1, WHICH INCLUDE 35 LF OF 6'X4' RCB.




| | | |
|---|---|---|
| Design | CKS | |
| Drawn | CKD | |
| Checked | CKE | |
| Approved | | |
| Squad | C & K | |

U.S. 69 – COMANCHE AVENUE — PITTSBURG COUNTY

**STRUCTURE P1 DETAILS**

JOB PIECE NO. 14999(04) — SHEET NO. 54

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