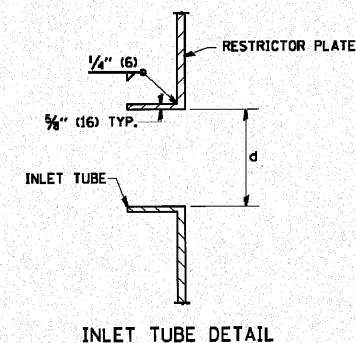
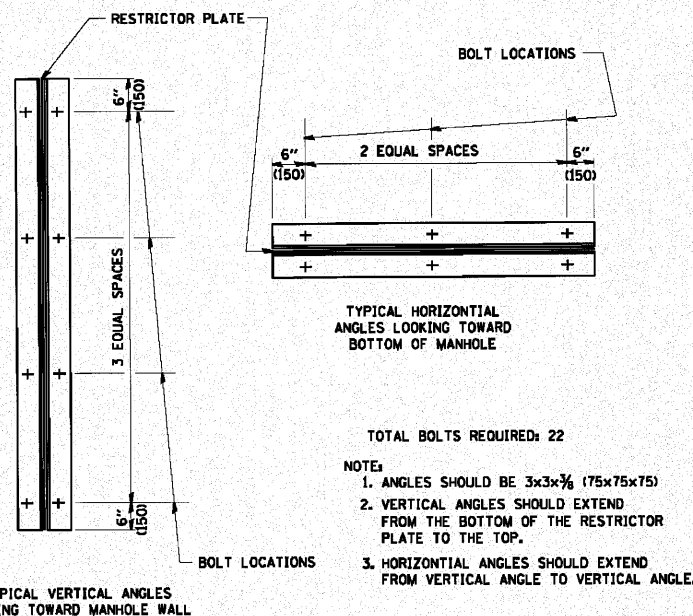


NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



| STATION | MANHOLE DIAMETER | FRAME AND GRATE | RESTRICTOR TYPE | INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d) | INVERT OF RESTRICTOR TYPE | ELEVATION OF TOP OF PLATE OVERFLOW |
|---------|------------------|-----------------|-----------------|--|---------------------------|------------------------------------|
| 889+15 | 6' | T20 | 1 | 13 | 678.19 | 681.23 |
| 889+65 | 6' | T20 | 1 | 14 | 677.42 | 680.00 |
| 902+25 | 6' | T20 | 1 | 23 | 678.79 | 681.75 |
| 1003+70 | 6' | T20 | 1 | 19 | 721.49 | 724.28 |
| 1014+75 | 6' | T20 | 1 | 16 | 717.38 | 720.05 |
| 1029+20 | 6' | T20 | 1 | 15.5 | 710.60 | 713.75 |
| 1066+50 | 6' | T20 | 1 | 23.5 | 688.45 | 691.43 |
| | | | | | | |
| | | | | | | |
| | | | | | | |



| RESTRICTOR TYPE | | | | | |
|-----------------------|-------------|---------------------|--------------------|--------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RE-ENTRANT TUBE | SHARP EDGED | SQUARE EDGED | RE-ENTRANT TUBE | SQUARE EDGED | ROUNDED |
| | | | | | |
| LENGTH: 1/2 TO 1 DIA. | | STREAM CLEARS SIDES | LENGTH: 2-1/2 DIA. | LENGTH: 2-1/2 DIA. | |
| C=.52 | C=.61 | C=.61 | C=.73 | C=.82 | C=.98 |

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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| <p>ENGINEERING CONSULTANT</p> <p>USER NAME = gaglanobt</p> <p>PLOT SCALE = 50.000' / IN.</p> <p>PLOT DATE = 1/4/2008</p> | <p>DESIGNED - R. SHAH</p> <p>DRAWN -</p> <p>CHECKED -</p> <p>DATE - 09-09-94</p> | <p>REVISED - R. SHAH 10-25-94</p> <p>REVISED - E. GOMEZ 08-28-00</p> <p>REVISED - M. GOMEZ 01-08-01</p> <p>REVISED -</p> | <p>STATE OF ILLINOIS</p> <p>DEPARTMENT OF TRANSPORTATION</p> | <p>MANHOLE WITH RESTRICTOR PLATE</p> <p>SCALE: NONE</p> <p>SHEET NO. 1 OF 1 SHEETS</p> <p>STA. TO STA.</p> | <table border="1"> <tr> <th>F.A.T. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>80</td> <td>99(5&5-1) Y-1</td> <td>WILL</td> <td>309</td> <td>222</td> </tr> <tr> <td colspan="3">BD800-04 (BD-12)</td> <td colspan="2">CONTRACT NO. 60M59</td> </tr> <tr> <td colspan="5">FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</td> </tr> </table> | F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | 80 | 99(5&5-1) Y-1 | WILL | 309 | 222 | BD800-04 (BD-12) | | | CONTRACT NO. 60M59 | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
|--|--|--|--|--|--|-------------|---------|--------|--------------|-----------|----|---------------|------|-----|-----|------------------|--|--|--------------------|--|---|--|--|--|--|
| | F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | | | | | | | | | | | | | | | | | | |
| 80 | 99(5&5-1) Y-1 | WILL | 309 | 222 | | | | | | | | | | | | | | | | | | | | | |
| BD800-04 (BD-12) | | | CONTRACT NO. 60M59 | | | | | | | | | | | | | | | | | | | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | | | | | | | | | | | | | | | | | | |