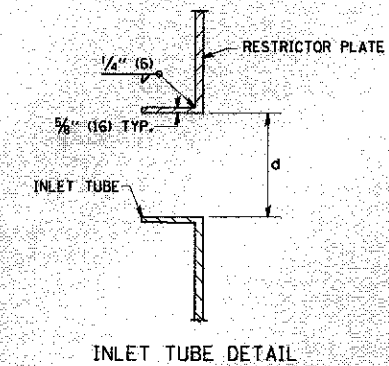
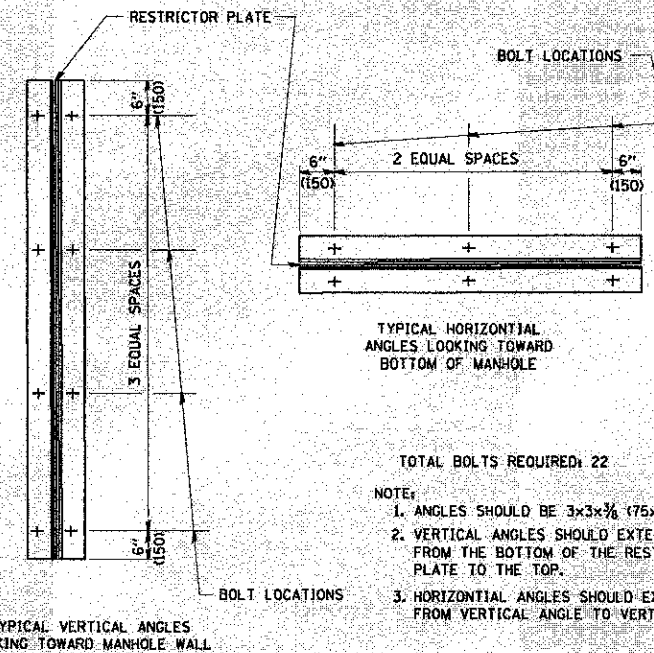


- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION STRUCTURE	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
A30	7'	TY 1 (2)	SHARP EDGE	8.44"	666.80	671.69
C1	7'	TY 1, TY 23	SHARP EDGE	4.88"	668.00	673.30
D1	6'	TY 1, TY 23	SHARP EDGE	5.20"	669.90	673.55
E1	6'	TY 1, TY 23	SHARP EDGE	5.75"	670.80	673.25
F3	7'	TY 1 (2)	SHARP EDGE	11.25"	669.62	674.90
G1	6'	TY 1, TY 23	SHARP EDGE	6.00"	668.52	672.14
I2	6'	TY 1, TY 23	SHARP EDGE	7.88"	664.28	667.02
J2	6'	TY 1, TY 23	SHARP EDGE	10.92"	665.95	669.17



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.

FILE NAME = W:\dvs\std\22x34\bd12.dgn

FILE NAME = 4165.800-DT1.dwg

USER NAME = ggg1amob1

PLOT SCALE = 50.000' / IN.

PLOT DATE = 1/4/2008

DESIGNED - R. SHAH

DRAWN -

CHECKED -

DATE - 09-09-94

REVISED - R. SHAH 10-25-94

REVISED - E. GOMEZ 08-28-00

REVISED - M. GOMEZ 01-08-01

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
RESTRICTOR PLATE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1295	09-00154-00-PV	COOK	119	92
BD-12		CONTRACT #		63746
ILLINOIS FED. AID PROJECT				