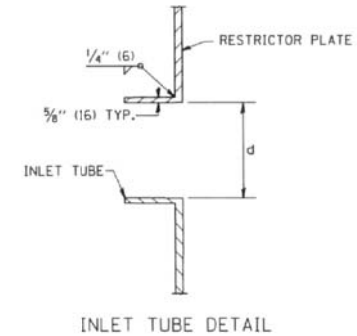
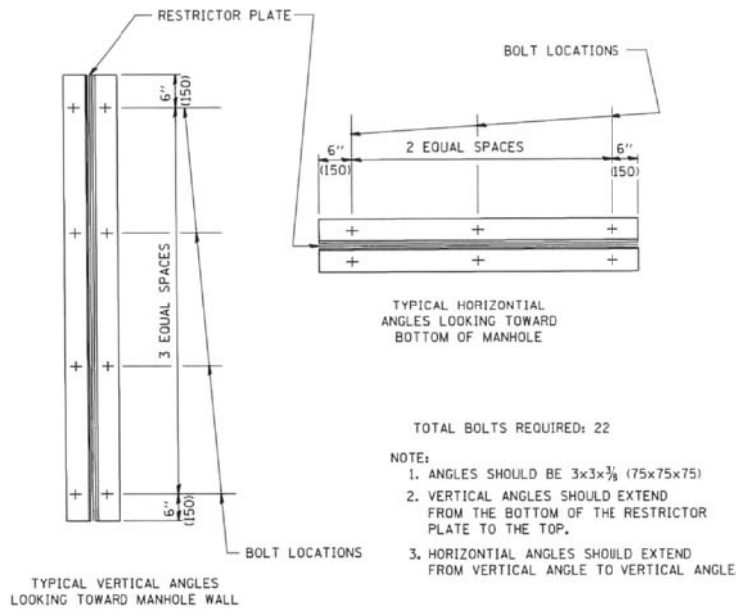


- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
  2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
  3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



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
277+75,LT	6	TIF OL	2	8.1	878.20	880.50
279+00,RT	6	TIF OL	2	11.33	880.20	882.50
289+50,RT	6	TIF OL	2	15.5	875.50	881.00
297+64,RT	6	TIF OL	2	8.25	879.75	883.75
300+50,RT	6	TIF OL	2	12.75	879.10	882.50
310+40,RT	6	TIF OL	2	11.66	883.35	886.00
311+60,LT	6	TIF OL	2	12.5	884.10	887.00
313+40,LT	6	TIF OL	2	12	884.20	887.50



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
  2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
  3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

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:\diststd\22x34\bd12.dgn	USER NAME = geglinoht	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-04 (BD-12)	CONTRACT NO.	
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

FILE NAME = ...2278NG-sht-details.bd12.dgn	USER NAME = kwh	DESIGNED - KWH	REVISED -
		DRAWN - DTE	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - GAB	REVISED -
	PLOT DATE = 8/5/2013	DATE - 06/24/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: GRAPHIC	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	3887	18W&RS-5 (12)	MCHENRY 151 104
				CONTRACT NO. 60V72		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						