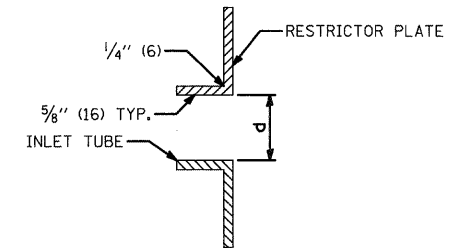
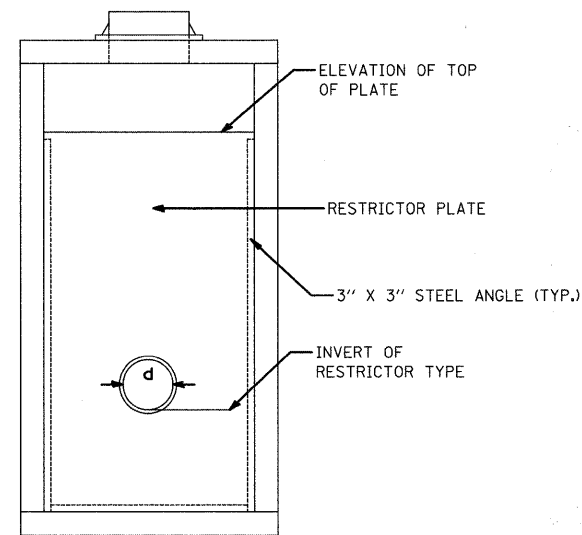
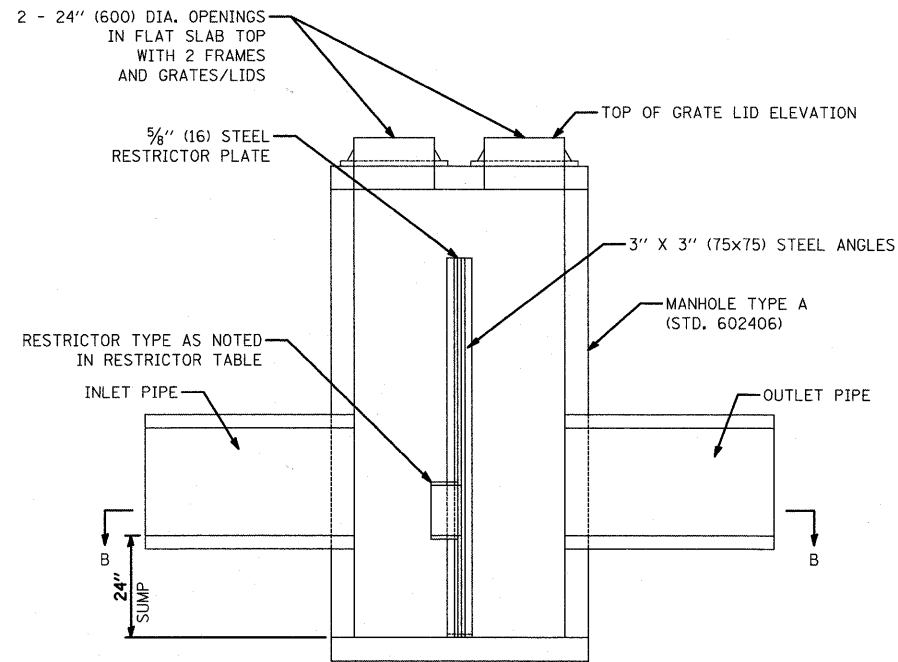


- NOTE:
1. ALL STEEL ANGLES AND PLATES TO BE **HOT-DIPPED GALVANIZED** AFTER FABRICATION
  2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE
  3. BASIS OF PAYMENT: "MANHOLES TYPE A, 6 FT DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" PER EACH



INLET TUBE DETAIL

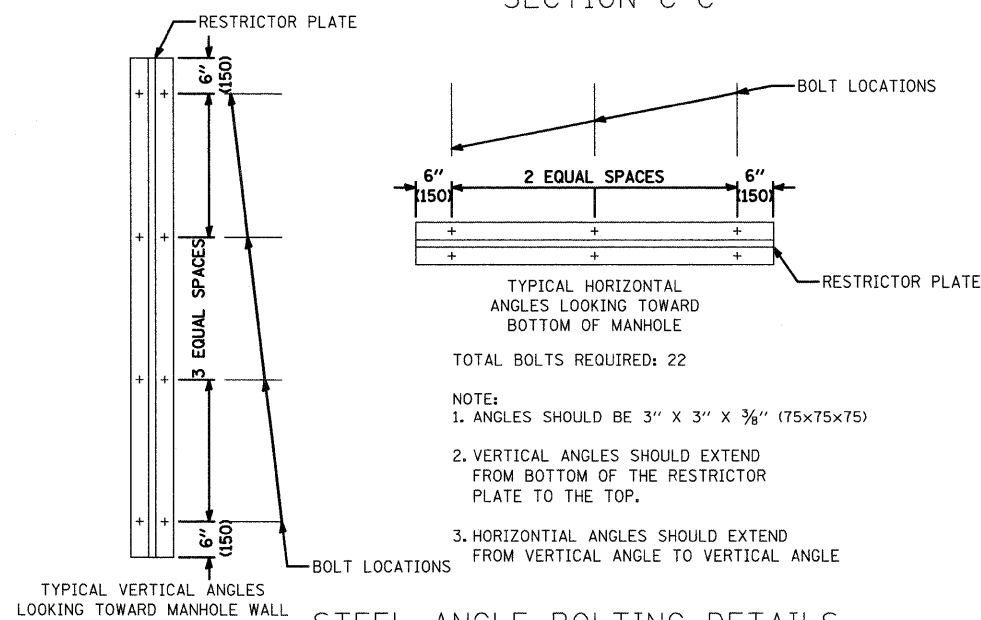
SECTION A-A

SECTION C-C

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENRANT 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

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
97+25.5, RT	6'	2-T-1 F & C.L.	2	10.0	673.05	675.94
110+70.0, RT	6'	2-T-1 F & C.L.	2	21.0	673.45	675.74
124+00.0, RT	6'	2-T-1 F & C.L.	2	30.0	665.50	668.87



STEEL ANGLE BOLTING DETAILS

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

FILE NAME  
J:\2275\Cad\Sheet\2275\_DET\_B012.dgn

USER NAME = djc  
DESIGNED - JAT  
DRAWN - JAT  
PLOT SCALE = 52.9412' / IN.  
CHECKED - DJK  
PLOT DATE = 11/24/2009  
DATE - 11-23-09

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SHEET NO. 5 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2743	05-00161-00-CH	COOK	112	74
CONTRACT NO. 63383				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(543)				