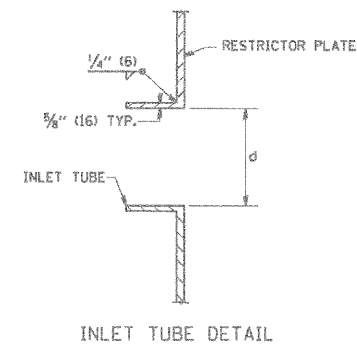
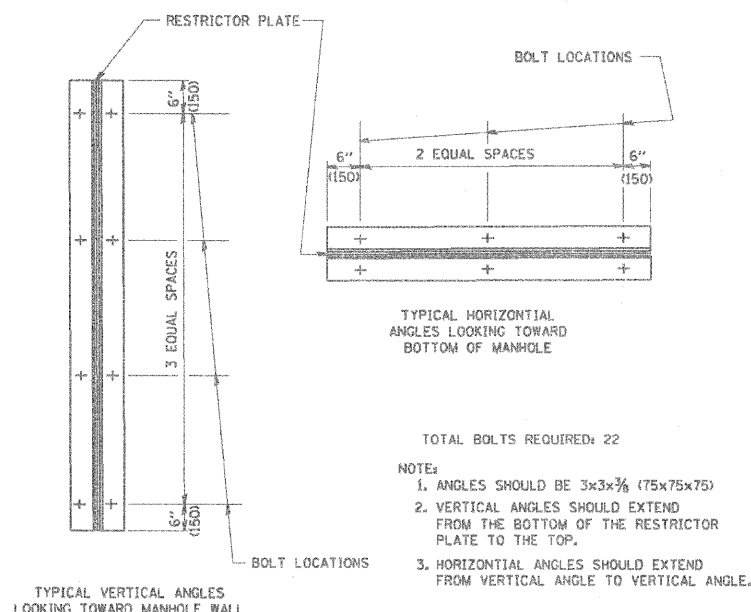


- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



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
1190+00	6'	T1F CL	3	18	608.05	611.17
1206+40	6'	T1F CL	3	24	602.89	606.75
1221+00	6'	T1F CL	3	21	602.16	606.30
1228+50	6'	T1F CL	3	12	602.10	605.00
1231+00	8'	T1F CL	3	16	602.20	606.60
1271+40	8'	T1F CL	3	18	612.82	619.30



- 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 DRIFICES

Rev. 4/29/2010

COMPANY NAME: SEC GROUP, INC.
 PROJECT CONTACT: T. HAMILTON
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE PLOTTED: 4/23/2010 10:31:15 AM
 FILE NAME: PL_PP_Details-Restrictor.dgn
 PLOT DRIVER: pdfrpl
 PEN TABLE: standard-trans.tbl



USER NAME = JAttano	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
FILE NAME = PL_PP_Details-Restrictor.dgn	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 1:1	CHECKED -	REVISED - M. GOMEZ 01-08-01
PLOT DATE = 4/23/2010	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.	SHEET NO. 2 OF 5 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	158
BD800-04 (BD-12)		CONTRACT NO. 60J27		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		