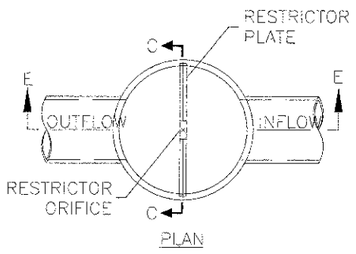
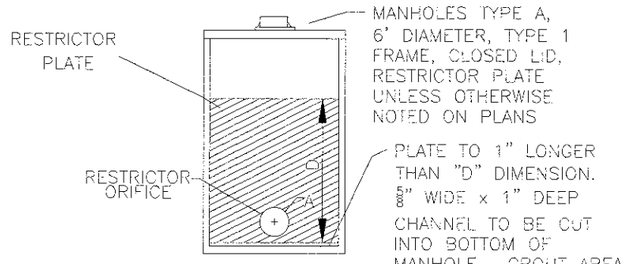
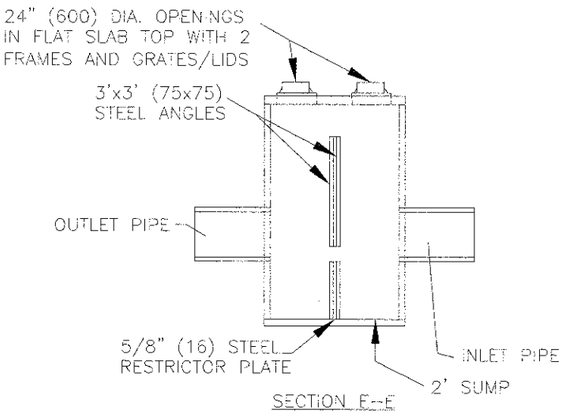
STRUCTURE	DIAMETER "A"	INVERT "A"	DIMENSION "D"	TOP OF RESTRICTOR PLATE ELEV.
114B	5.4"	869.65'	3.05'	870.79'
128A	7.4"	864.47'	4.53'	869.00'
181	32"	865.23'	5.06'	881.64



PLAN

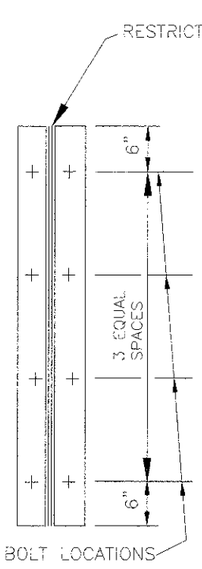


SECTION C–C

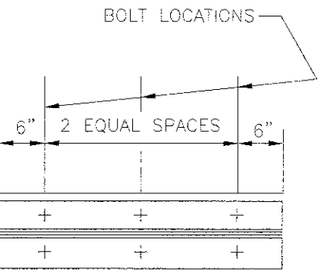


SECTION E–E

DRAINAGE STRUCTURE RESTRICTORS
(NOT TO SCALE)



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL



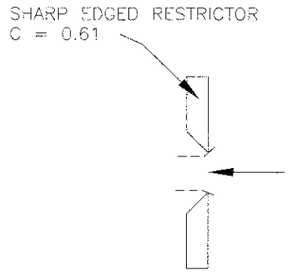
TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

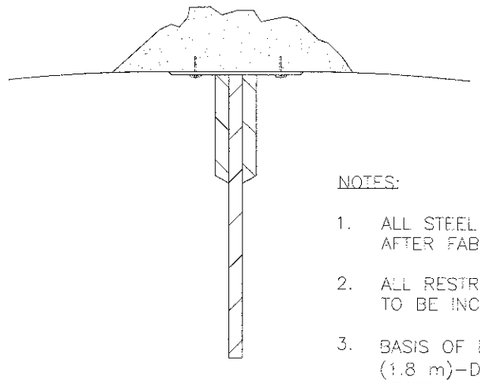
NOTES:

1. ANGLES SHOULD BE 3X3X38
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.

STEEL ANGLE BOLTING DETAILS
(NOT TO SCALE)



RESTRICTOR TYPE
(NOT TO SCALE)


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

ANGLE FASTENER DETAIL
(NOT TO SCALE)

FILE NAME = ...\2473.sht-details-02-restrictor.dgn	USER NAME = pss	DESIGNED - JES	REVISED -
		DRAWN - JES	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - GAB	REVISED -
	PLOT DATE = 10/18/2012	DATE - 10/22/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4068	07-0031-00-PV	McHENRY	167	114
		CONTRACT NO. 63743		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT XXX------		