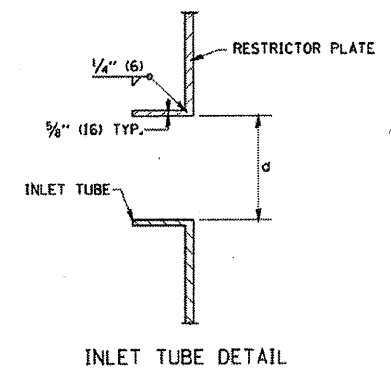
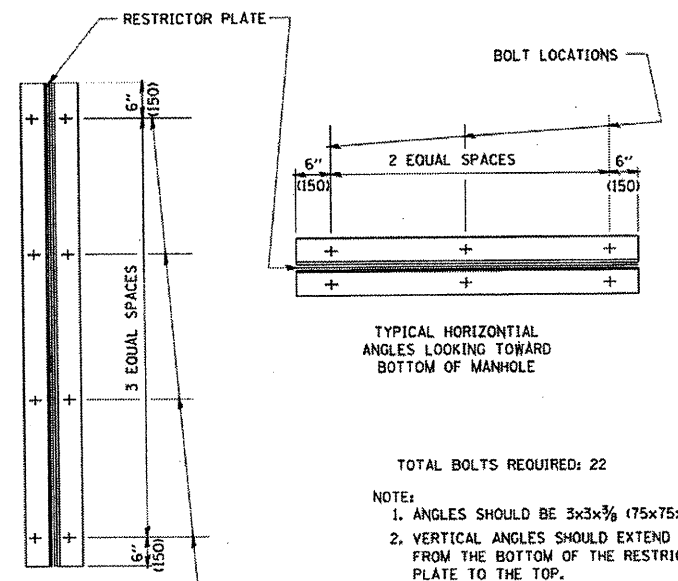


- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.



STRUCTURE NUMBER	STATION	OFFSET	SIDE	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
SR100	70+15.31	4.50'	LT	5'	(2) TYPE 1 FRAME, CLOSED LID	2 OR 3	10.75	770.59	772.80
SR101	70+15.31	4.00'	RT	6'	(2) TYPE 1 FRAME, CLOSED LID	2 OR 3	14.50	770.59	775.50
SR102	76+42.00	12.00'	RT	8'	(2) TYPE 1 FRAME, CLOSED LID	2 OR 3	15.00	772.75	779.00
SR103	76+57.58	12.21'	RT	5'	(2) TYPE 1 FRAME, CLOSED LID	2 OR 3	10.00	772.75	775.80



- 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 =	USER NAME = dovso00878	DESIGNED - DLC	REVISED -
I:\09\Jobs\09L0027A\CADD\Road\Sheet\c-5\6det.dgn		DRAWN - DLC	REVISED -
PLOT SCALE = 20.0000' / in.		CHECKED - MGD	REVISED -
PLOT DATE = 04/02/2012		DATE - 03/27/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHMOOR ROAD STAGE 2 IMPROVEMENT
MANHOLE WITH RESTRICTOR
PLATE DETAIL

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	05-00302-01-PV	PEORIA	125	80
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 89525		
		M-50931371		