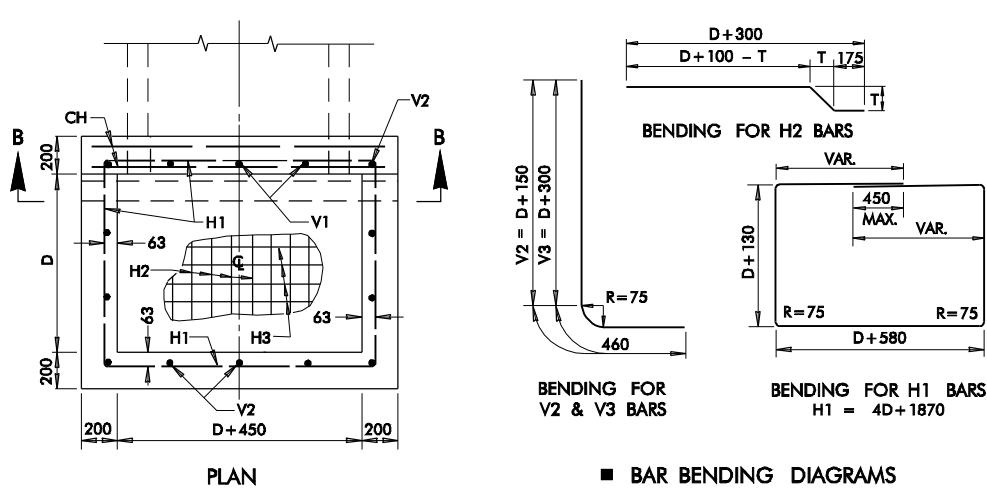
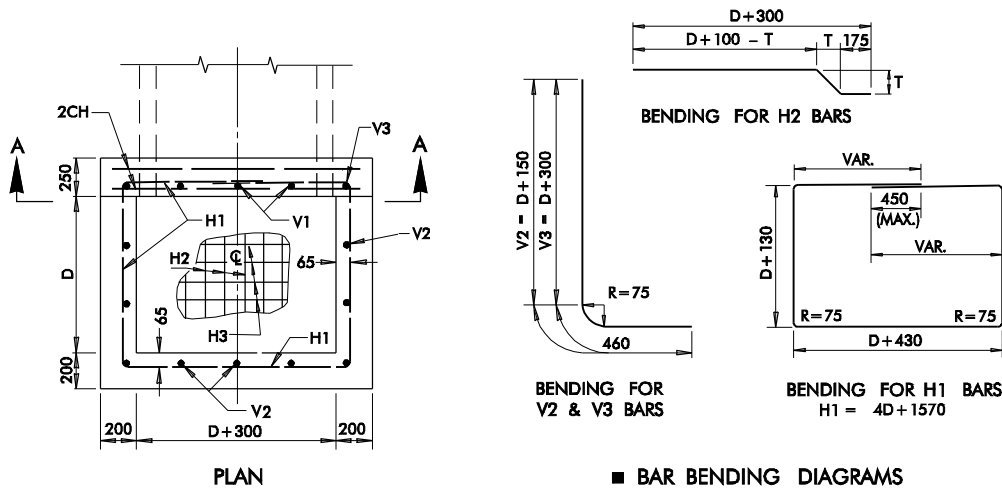


BUILD NOTCH AS SHOWN ON ALL DROP INLETS WHERE STRUCTURE SPAN IS 1200 mm OR MORE. NOTCHES TO BE PLACED IN THE FLOW AS DIRECTED BY THE ENGINEER.

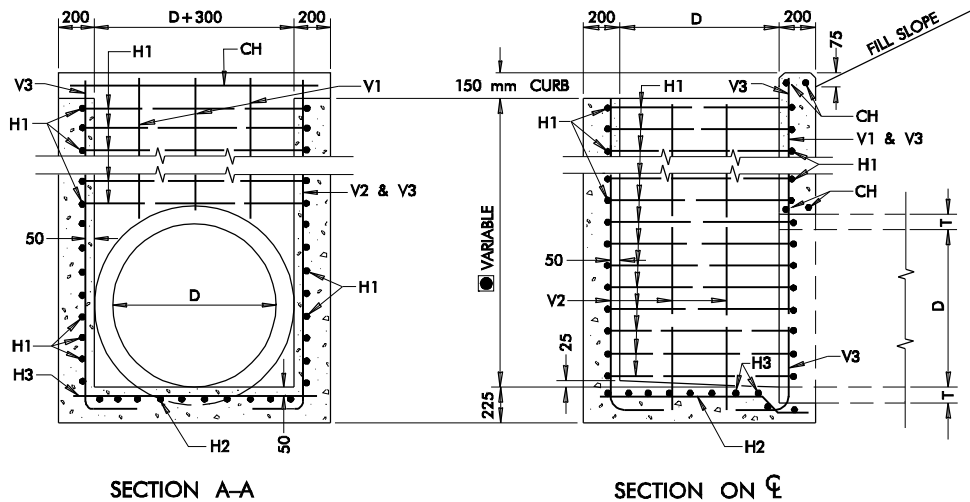
GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
- ALL EXPOSED CONCRETE EDGES SHALL HAVE A 20 mm CHAMFER.
- ALL REINFORCING STEEL SHALL BE #13M. ALL HORIZONTAL BARS SHALL BE SPACED 150 mm CENTERS EXCEPT AS SHOWN FOR 1200 mm TO 1800 mm R.C. PIPE. VERTICAL BARS ARE TIE BARS SPACED AS SHOWN.
- MAXIMUM DEPTHS OF DROP INLET FOR 1200 mm TO 1800 mm R.C.P. SHALL BE AS FOLLOWS: 1200 mm RCP - 5.5 m
1425 mm RCP - 4.9 m
1650 mm RCP - 3.6 m
1800 mm RCP - 3.0 m
- TOTAL QUANTITIES AS SHOWN IN TABLE ARE COMPUTED TO PIPE INVERT PLUS PIPE WALL THICKNESS PLUS 75 mm AND INCLUDES CURB. FOR DROP INLETS OF GREATER DEPTH, MULTIPLY THE FIGURE IN PER METER COLUMN BY THE HEIGHT FROM TOP OF PIPE TO TOP OF DROP INLET AND ADD THE RESULT TO THE QUANTITY IN THE PRECEDING COLUMN.
- UNLESS OTHERWISE SPECIFIED, ALL EXPOSED CONCRETE SURFACES SHALL HAVE A FINISH IN ACCORDANCE WITH 1999 METRIC STANDARD SPECIFICATIONS.
- INLET TOP OPENING SHALL HAVE 75 mm x 3.43 kg STD. WEIGHT STEEL, GALVANIZED, SCHEDULE 40, PIPE SAFETY GRATES INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAFFIC AT 300 mm (MAXIMUM) CENTERS WITH THE COST OF PIPE SAFETY GRATES & ALL HARDWARE NEEDED FOR THE INSTALLATION TO BE INCLUDED IN THE PRICE BID FOR THE INLET.
- PIPE GRATE ENDS SHALL BE HELD DOWN WITH M14 x 140 mm GALV. BOLT, WASHER & NUT MEETING THE REQUIREMENTS OF ASTM-A-325M. BOLT THREADS, 45 mm, SHALL REMAIN EXPOSED FOR INSTALLING GRATE.
- BAR BENDING DIAGRAMS AND DIMENSIONS FOR DESIGNS 1 THROUGH 10, AS SHOWN THIS SHEET, ARE FOR STANDARD DEPTH DROP INLETS.

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
611.06(E)	INLET	EACH
611.06(F)	ADDITIONAL DEPTH IN INLET	METER

INLET DESIGN NUMBER SHALL BE SPECIFIED.

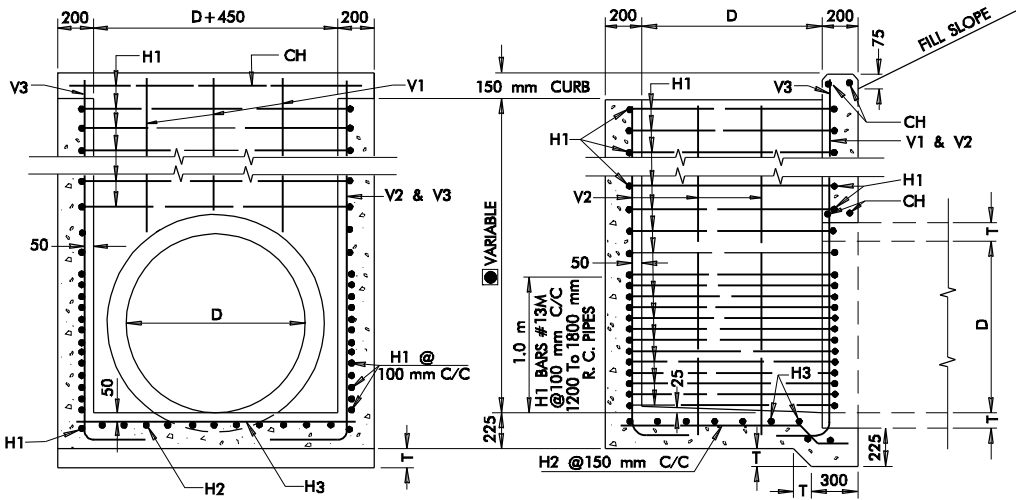


SECTION A-A

SECTION ON C

DROP INLET FOR 450 mm TO 1050 mm REINF. CONC. PIPE

● DIMENSION FOR STD. HEIGHT DROP INLET TO BE (D+T+75)



SECTION B-B

SECTION ON C

DROP INLET FOR 1200 mm TO 1800 mm REINF. CONC. PIPE

DIMENSIONS REINFORCING STEEL & QUANTITIES

DESIGN NUMBER	DIMENSIONS				REINFORCING STEEL												CLASS A CONCRETE		REINFORCING STEEL		PIPE GRATES	
	D DIAM. OF PIPE	AREA OF PIPE	T= THICKNESS OF WALL	CH - BARS	H1 - BARS	H2 - BARS	H3 - BARS	V1 - BARS	V2 - BARS	V3 - BARS	TOTAL TO TOP OF PIPE INCLUDING CURB	PER METER OF ADDITIONAL HEIGHT	TOTAL TO TOP OF PIPE INCLUDING CURB	PER METER OF ADDITIONAL HEIGHT	NO. OF PIPE GRATES							
				STRAIGHT	BENT	BENT	STRAIGHT	STRAIGHT	BENT	BENT												
				NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.						LGTH.	NO.	LGTH.				
1	450	0.16	63	4	725	5	3370	7	750	7	650	2	290	6	1060	2	1210	0.45	0.52	41.95	36.74	2
2	600	0.29	75	4	875	6	3970	8	900	8	800	3	325	6	1210	2	1360	0.66	0.64	55.14	50.35	2
3	750	0.46	87	4	1025	7	4570	9	1050	9	950	4	365	7	1360	2	1510	0.92	0.76	71.55	59.33	3
4	900	0.66	100	4	1175	8	5170	10	1200	10	1100	4	400	8	1510	2	1660	1.21	0.88	89.72	68.29	3
5	1050	0.89	113	4	1325	9	5770	11	1350	11	1250	5	440	10	1660	2	1810	1.61	1.00	140.74	79.63	4
6	1200	1.17	125	4	1475	15	6370	12	1500	12	1400	5	475	10	1810	2	1960	1.99	1.12	164.45	83.67	4
7	1350	1.48	133	4	1625	16	6970	13	1650	13	1550	6	515	10	1960	2	2110	2.43	1.24	190.47	96.02	5
8	1500	1.83	150	4	1775	17	7570	14	1800	14	1700	6	550	11	2110	2	2260	2.90	1.36	219.89	106.09	5
9	1650	2.21	163	4	1925	18	8170	15	1950	15	1850	7	590	12	2260	2	2410	3.42	1.48	251.99	117.05	6
10	1800	2.63	175	4	2075	19	8770	16	2100	16	2000	7	625	14	2410	2	2560	3.98	1.60	288.03	130.15	6

APPROVED BY ROADWAY ENGINEER

DATE

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (METRIC)
REINFORCED CONCRETE DROP INLETS FOR
450 mm TO 1800 mm REINF. CONCRETE PIPES

1999 SPECIFICATIONS

CD14-1

00M

ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.

R-68M