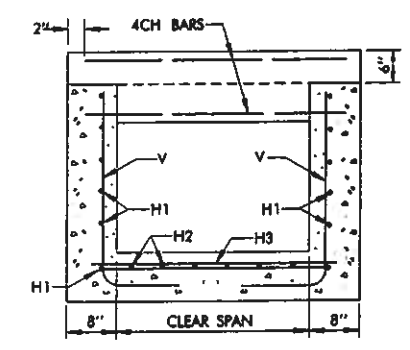
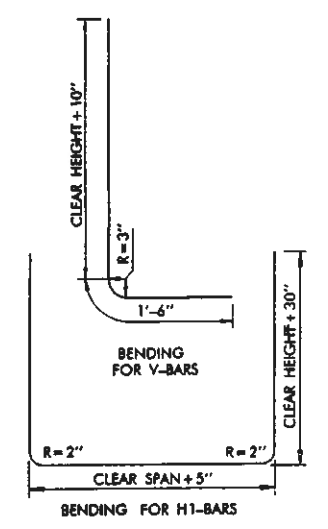


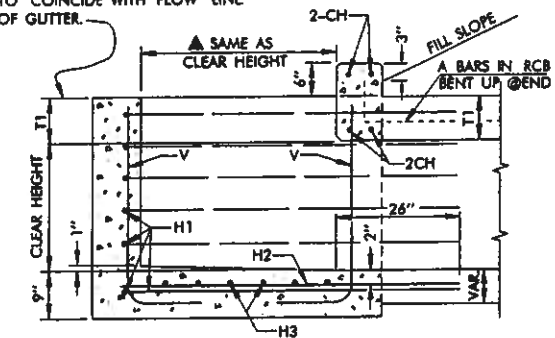
PLAN



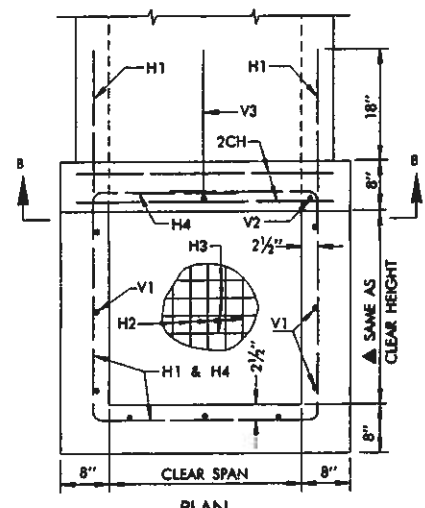
SECTION A-A



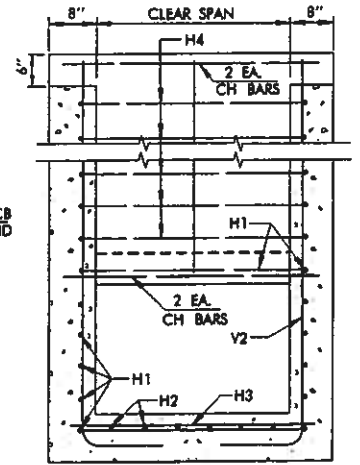
NOTE: HEIGHT OF INLET WALLS MAY BE REDUCED IF NECESSARY TO COINCIDE WITH FLOW LINE OF GUTTER.



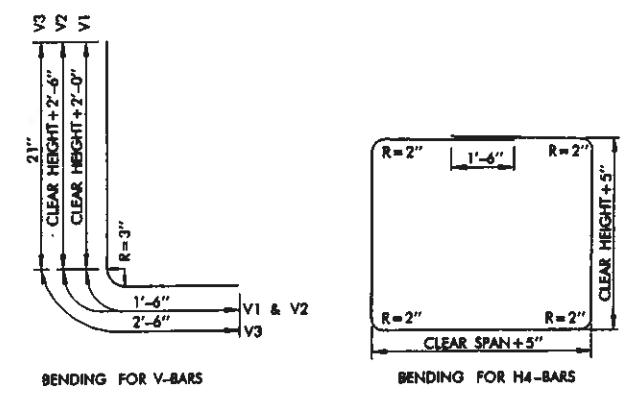
SECTION ON C-C



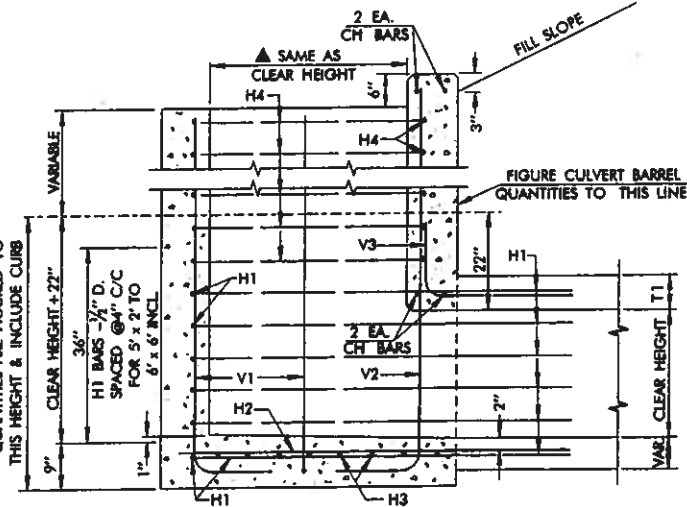
PLAN



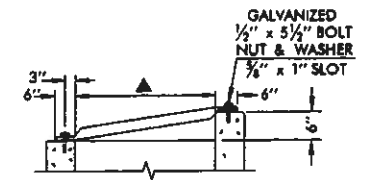
SECTION B-B



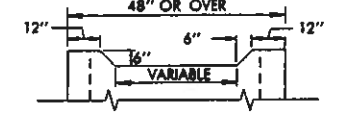
STANDARD INLET MINIMUM CLASS A OR AA CONC. & REINF. STEEL QUANTITIES ARE FIGURED TO THIS HEIGHT & INCLUDE CURB



SECTION ON C-C



TYPICAL GRATE DETAIL



BUILD NOTCH AS SHOWN ON ALL DROP INLETS WHERE STRUCTURE SPAN IS 48" OR MORE. NOTCHES TO BE PLACED IN LINE OF FLOW AS DIRECTED BY THE ENGINEER.

FLOW NOTCH DETAIL

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
- ALL EXPOSED CONCRETE EDGES SHALL HAVE 3/4" CHAMFER.
- ALL REINFORCING STEEL SHALL BE 1/2" D., EXCEPT CH-BARS WHICH ARE 5/8" D. ALL HORIZONTAL BARS SHALL BE SPACED 6" C/C EXCEPT AS SHOWN FOR 5' x 2' TO 6' x 6' EXTRA DEPTH DROP INLETS.
- VERTICAL BARS ARE THE BARS SPACED AS SHOWN.
- MAXIMUM DEPTH OF EXTRA DEPTH DROP INLETS FOR 6'-0" CLEAR SPAN SHALL BE 16'-0".
- TOTAL QUANTITIES AS SHOWN IN TABLE FOR EXTRA DEPTH DROP INLETS ARE FIGURED TO AN ELEVATION 12" ABOVE TOP OF CURVLET SLAB AND INCLUDED CURB. FOR DROP INLETS OF GREATER DEPTH, MULTIPLY THE FIGURE IN THE PER FOOT COLUMN BY THE HEIGHT FROM 12" ABOVE THE TOP OF THE CURVLET SLAB TO THE TOP OF THE DROP INLET AND ADD THE RESULT TO THE QUANTITY IN THE PRECEDING COLUMN.
- BAR LIST AS SHOWN FOR EXTRA DEPTH DROP INLETS IS FIGURED TO AN ELEVATION 12" ABOVE TOP OF CURVLET SLAB.
- CH - BARS AS SHOWN FOR DROP INLETS ARE INCLUDED IN TABLE FOR STD. DROP INLETS QUANTITIES AND ARE THE SAME SIZE AS THE A-BARS IN THE STANDARD REINFORCED CONCRETE BOX CURVLET.
- USE 2 CH - BARS THE SAME LENGTH AS THE A-BARS IN CURVLET BARREL & 2 CH - BARS W/LENGTH EQUAL TO CLEAR SPAN + 12".
- UNLESS OTHERWISE SPECIFIED, ALL EXPOSED CONCRETE SURFACES SHALL HAVE A FINISH IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
- INLET WALL THICKNESS SHALL BE 8" MINIMUM FOR INLETS WITH INLET DEPTH GREATER THAN 8'-0".
- INLET TOP OPENING SHALL HAVE 3" x 7.58 LBS./FT. STD. WEIGHT STEEL GALVANIZED, SCHEDULE 40, PIPE SAFETY GRATES AND INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAFFIC AT 12" (MAXIMUM) CENTERS. COST OF PIPE SAFETY GRATES & ALL HARDWARE NEEDED FOR INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR THE INLET.
- PIPE GRATE ENDS SHALL BE HELD DOWN WITH 1/2" x 5 1/2" GALVANIZED BOLT, WASHER & NUT MEETING THE REQUIREMENTS OF ASTM-A-325. BOLT THREADS, 1 3/4", SHALL REMAIN EXPOSED FOR INSTALLING THE GRATE.
- DROP INLET WALLS, FLOOR & CURB CONSTRUCTION SHALL CONSIST OF THE SAME CLASS OF CONCRETE USED FOR THE REINFORCED CONCRETE BOX.

DIMENSIONS & QUANTITIES - STD. DROP INLETS															
DESIGN NO.	SIZE OF CURVLET		REINFORCING STEEL					QUANTITIES							
	CLEAR SPAN	CLEAR HEIGHT	CH-BARS STRAIGHT	H1-BARS BENT	H2-BARS STRAIGHT	H3-BARS STRAIGHT	V-BARS BENT	CLASS A/AA CONCRETE W/ CURB CU.YD.	REINF. STEEL W/ CURB LBS.						
1	2'-0"	2'-0"	4	4	3'-0"	5	11'-3"	3	4'-6"	4	2'-8"	7	4'-4"	0.94	57.6
2	3'-0"	2'-0"	6	4	4'-0"	5	12'-3"	5	4'-6"	4	3'-8"	7	4'-4"	1.14	87.3
3	3'-0"	2'-6"	7.5	4	4'-0"	6	13'-3"	5	5'-0"	4	3'-8"	7	4'-10"	1.39	90.4
4	3'-0"	3'-0"	9	4	4'-0"	7	14'-3"	5	5'-6"	5	3'-8"	7	5'-4"	1.66	108.8
5	4'-0"	2'-0"	8	4	5'-0"	5	13'-5"	7	4'-6"	4	4'-8"	8	4'-4"	1.32	86.2
6	4'-0"	2'-6"	10	4	5'-0"	6	14'-3"	7	5'-0"	4	4'-8"	8	4'-10"	1.60	113.9
7	4'-0"	3'-0"	12	4	5'-0"	7	15'-3"	7	5'-6"	5	4'-8"	8	5'-4"	1.90	135.4
8	4'-0"	4'-0"	16	4	5'-0"	9	17'-3"	7	6'-6"	7	4'-8"	8	6'-4"	2.56	182.2
9	5'-0"	2'-0"	10	4	6'-0"	5	14'-3"	9	4'-6"	4	5'-8"	11	4'-4"	1.50	129.5
10	5'-0"	2'-6"	15	4	6'-0"	7	16'-3"	9	5'-6"	5	5'-8"	11	5'-4"	2.13	189.3
11	5'-0"	3'-0"	20	4	6'-0"	9	18'-3"	9	6'-6"	7	5'-8"	11	6'-4"	3.66	245.9
12	5'-0"	3'-6"	25	4	6'-0"	14	20'-3"	9	7'-6"	9	5'-8"	11	7'-4"	3.66	295.6
13	5'-0"	4'-0"	30	4	6'-0"	13	22'-3"	9	8'-6"	11	5'-8"	11	8'-4"	4.56	347.9
14	6'-0"	2'-0"	12	4	7'-0"	6	15'-3"	11	4'-6"	4	6'-8"	13	4'-4"	1.70	147.1
15	6'-0"	2'-6"	18	4	7'-0"	8	17'-3"	11	5'-6"	4	6'-8"	13	5'-4"	2.37	208.6
16	6'-0"	3'-0"	24	4	7'-0"	10	19'-3"	11	6'-6"	7	6'-8"	13	6'-4"	3.14	274.7
17	6'-0"	3'-6"	30	4	7'-0"	12	21'-3"	11	7'-6"	9	6'-8"	13	7'-4"	4.00	341.9
18	6'-0"	4'-0"	36	4	7'-0"	14	23'-3"	11	8'-6"	11	6'-8"	13	8'-4"	4.96	400.1

INSIDE DIMENSION FROM FRONT WALL TO HEADWALL WILL BE EQUAL TO 5'-0".

DIMENSIONS & QUANTITIES - EXTRA DEPTH DROP INLETS																							
DESIGN NO.	SIZE OF CURVLET		REINFORCING STEEL									CLASS A/AA CONC. CU. YARDS		REINFORCING STEEL POUNDS (LBS.)		PIPE GRATES							
	CLEAR SPAN	CLEAR HEIGHT	CH-BARS STRAIGHT	H1-BARS BENT	H2-BARS STRAIGHT	H3-BARS STRAIGHT	H4-BARS BENT	V1-BARS BENT	V2-BARS BENT	V3-BARS BENT	TOTAL TO 1'-0" ABOVE TOP OF CURVLET SLAB INCL. CURB	PER FOOT OF ADD'L HEIGHT	TOTAL TO 1'-0" ABOVE TOP OF CURVLET SLAB INCL. CURB	PER FOOT OF ADD'L HEIGHT	NO. OF PIPE GRATES								
2'-0"	2'-0"	4	4	3'-0"	5	11'-3"	7	4'-6"	4	2'-8"	2	11'-3"	5	5'-6"	2	6'-0"	1	4'-3"	1.20	0.25	115.8	76.5	1
3'-0"	2'-0"	6	4	4'-0"	5	12'-3"	8	4'-6"	4	3'-8"	2	13'-3"	6	5'-6"	2	6'-0"	1	4'-3"	1.44	0.30	133.8	110.9	2
3'-0"	2'-6"	7.5	4	4'-0"	6	13'-3"	9	5'-0"	4	3'-8"	2	14'-3"	6	6'-0"	2	6'-6"	1	4'-3"	1.71	0.33	155.4	119.9	2
3'-0"	3'-0"	9	4	4'-0"	7	14'-3"	10	5'-6"	5	3'-8"	2	15'-3"	6	6'-2"	2	7'-0"	1	4'-3"	2.00	0.35	181.7	129.2	2
4'-0"	2'-0"	8	4	5'-0"	5	13'-5"	11	4'-6"	4	4'-8"	2	15'-2"	8	5'-6"	2	6'-0"	2	4'-3"	1.67	0.35	168.9	127.0	3
4'-0"	2'-6"	10	4	5'-0"	6	14'-3"	12	5'-0"	4	4'-8"	2	16'-3"	8	6'-0"	2	6'-6"	2	4'-3"	1.96	0.38	188.1	131.2	3
4'-0"	3'-0"	12	4	5'-0"	7	15'-3"	13	5'-6"	5	4'-8"	2	17'-3"	8	6'-2"	2	7'-0"	2	4'-3"	2.29	0.40	217.4	146.6	3
4'-0"	3'-6"	16	4	5'-0"	9	17'-3"	14	6'-6"	7	4'-8"	2	19'-3"	8	7'-6"	2	8'-0"	2	4'-3"	3.34	0.49	293.0	173.1	3
5'-0"	2'-0"	10	4	6'-0"	8	14'-3"	15	4'-6"	4	5'-8"	2	17'-3"	11	5'-6"	2	6'-0"	3	4'-3"	1.90	0.40	229.0	146.6	4
5'-0"	2'-6"	15	4	6'-0"	11	16'-3"	16	5'-6"	5	5'-8"	2	19'-3"	11	6'-6"	2	7'-0"	3	4'-3"	2.58	0.45	300.0	168.2	4
5'-0"	3'-0"	20	4	6'-0"	13	18'-3"	17	6'-6"	7	5'-8"	2	21'-3"	11	7'-6"	2	8'-0"	3	4'-3"	3.34	0.49	328.8	130.7	4
5'-0"	3'-6"	25	4	6'-0"	15	20'-3"	18	7'-6"	9	5'-8"	2	23'-3"	11	8'-6"	2	9'-0"	3	4'-3"	4.20	0.54	400.7	211.6	4
6'-0"	2'-0"	12	4	7'-0"	8	15'-3"	19	5'-6"	5	5'-8"	2	25'-3"	11	8'-6"	2	9'-0"	3	4'-3"	4.62	0.59	464.6	224.6	4
6'-0"	2'-6"	18	4	7'-0"	11	17'-3"	20	6'-6"	7	5'-8"	2	27'-3"	11	9'-6"	2	9'-0"	3	4'-3"	5.58	0.64	530.8	239.9	5
6'-0"	3'-0"	24	4	7'-0"	13	19'-3"	21	7'-6"	9	5'-8"	2	29'-3"	11	10'-6"	2	9'-0"	3	4'-3"	6.48	0.64	606.6	254.6	5
6'-0"	3'-6"	30	4	7'-0"	15	21'-3"	22	8'-6"	11	5'-8"	2	31'-3"	11	11'-6"	2	9'-0"	3	4'-3"	7.38	0.64	682.4	269.3	5
6'-0"	4'-0"	36	4	7'-0"	17	23'-3"	23	9'-6"	13	5'-8"	2	33'-3"	11	12'-6"	2	9'-0"	3	4'-3"	8.28	0.64	758.2	284.0	5

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611.06(E)	INLET	EA.
611.06(F)	ADDITIONAL DEPTH IN INLET	V.F.

INLET TYPE AND DESIGN NUMBER SHALL BE SPECIFIED.

APPROVED BY ROADWAY ENGINEER *C.M. Sankowicz* DATE 6/6/05

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (ENGLISH)
REINFORCED CONCRETE DROP INLETS FOR
REINFORCED CONCRETE BOXES
2' x 2' TO 6' x 6'