

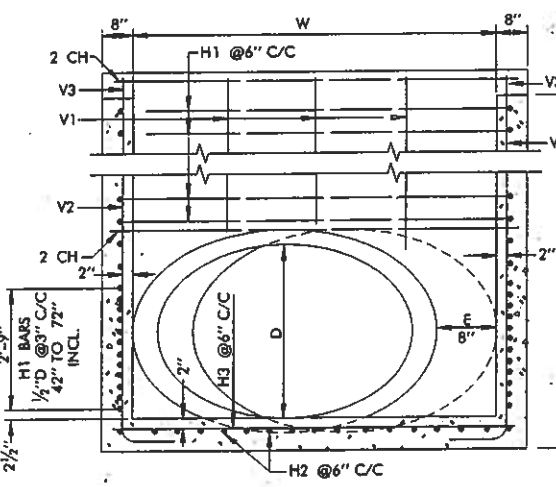
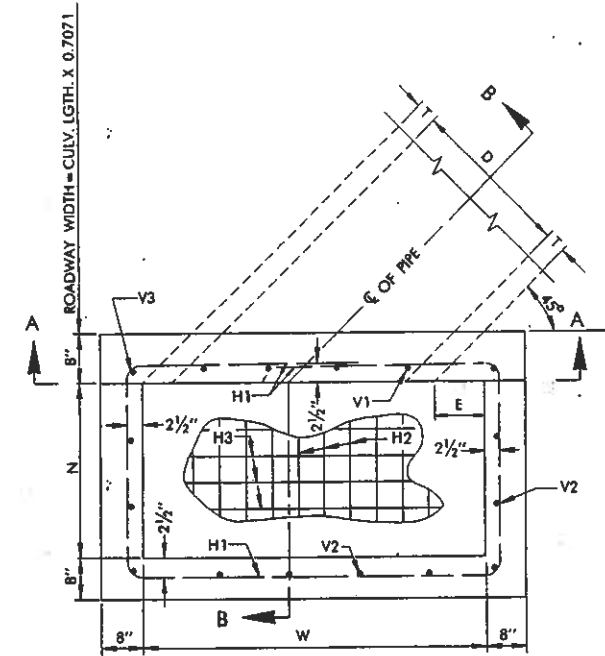
DIMENSIONS										
DESIGN NO.	1	2	3	4	5	6	7	8	9	10
DIAM. (D) & N	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
AREA (SQ. FT.)	1.77	3.14	4.91	7.07	9.62	12.57	15.90	19.63	23.76	28.27
T	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"
E	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"
W	3'-4"	4'-1 1/4"	4'-11 1/2"	5'-9"	6'-7"	7'-4 1/2"	8'-2 1/2"	9'-0"	9'-10"	10'-7 1/2"

REINFORCING STEEL										
DESCRIPTION	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
CH-STR. #4 BAR	4	4'-3"	4	5'-0"	4	5'-10"	4	6'-8"	4	7'-6"
H1-BENT #4 BAR	5	12'-10"	6	15'-5"	7	18'-2"	8	20'-2"	14	23'-4"
H2-BENT #4 BAR @6" C/C	7	2'-6"	8	3'-0"	9	3'-6"	10	4'-0"	11	4'-6"
H3-STR. #4 BAR	7	4'-0"	8	4'-9"	9	5'-7"	10	6'-5"	11	7'-3"
V1-STR. #4 BAR	2	12"	3	13"	4	14"	4	15 1/2"	5	17"
V2-BENT #4 BAR	6	3'-6"	6	4'-0"	7	4'-6"	8	5'-0"	10	5'-6"
V3-BENT #4 BAR	2	4'-0"	2	4'-6"	2	5'-0"	2	5'-6"	2	6'-0"

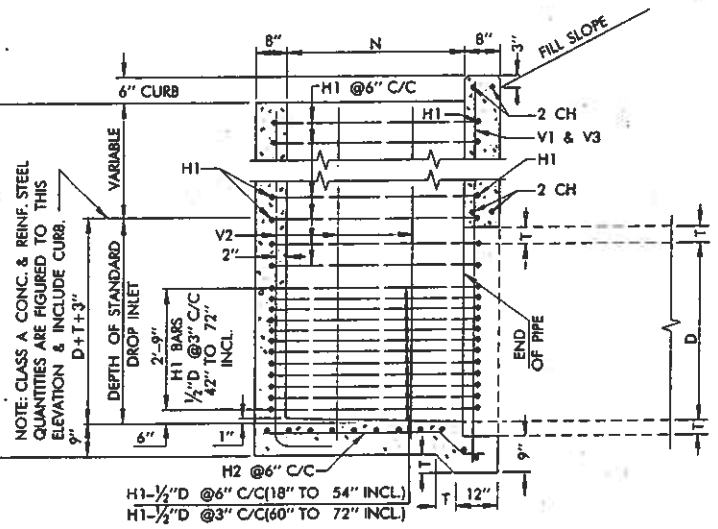
QUANTITIES										
CLASS A CONCRETE, CUBIC YARDS										
STANDARD DROP INLETS	0.92	1.33	1.82	2.38	3.01	3.73	4.51	5.38	6.32	7.31
PER METER OF ADD'L DEPTH	0.30	0.36	0.42	0.49	0.55	0.61	0.68	0.74	0.81	0.87

REINFORCING STEEL, POUNDS (LBS.)										
STANDARD DROP INLETS	105.9	140.8	186.1	232.2	374.1	438.3	513.6	595.5	686.2	783.4
PER FOOT OF ADD'L DEPTH	22.1	29.4	34.5	39.7	47.6	49.7	57.3	63.2	71.6	79.6

STEEL PIPE SAFETY GRATES										
NO. OF PIPE SAFETY GRATES	3	4	5	5	6	7	8	9	10	10

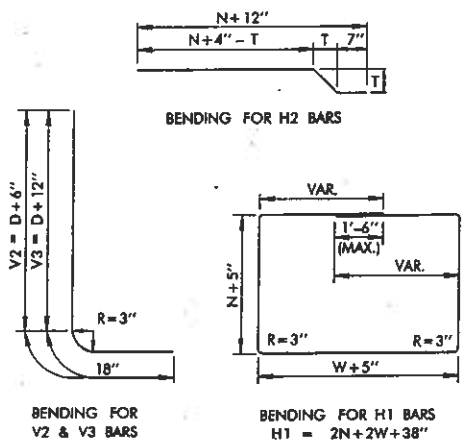


SECTION A-A

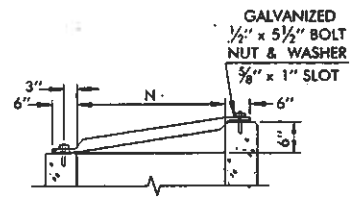


SECTION B-B

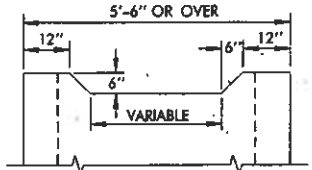
NOTE: CLASS A CONC. & REINF. STEEL QUANTITIES ARE FIGURED TO THIS ELEVATION & INCLUDE CURB. D+T+3"



BAR BENDING DIAGRAMS



TYPICAL GRATE DETAIL



BUILD NOTCH AS SHOWN ON ALL DROP INLETS WHERE DIMENSION "W" IS 4'-0" OR MORE. NOTCHES TO BE PLACED IN LINE OF FLOW ONLY 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 A 3/4" CHAMFER.
- TOTAL QUANTITIES AS SHOWN IN TABLE ARE COMPUTED TO TOP OF THE PIPE PLUS 3" AND INCLUDE CURB. FOR DROP INLETS OF GREATER DEPTH, MULTIPLY THE FIGURE IN THE PER METER COLUMN BY THE DIFFERENCE IN HEIGHT FROM TOP OF PIPE PLUS 3" TO TOP OF DROP INLET AND ADD THE RESULT TO THE STANDARD DROP INLET QUANTITY.
- MAXIMUM DEPTH OF DROP INLETS FOR 36" TO 72" R.C.P. SHALL BE AS FOLLOWS:
 - 36" RCP - 20'-0"
 - 42" RCP - 16'-0"
 - 48" RCP - 14'-0"
 - 54" RCP - 12'-0"
 - 60" RCP - 10'-0"
 - 66" RCP - 9'-0"
- UNLESS OTHERWISE SPECIFIED, ALL EXPOSED CONCRETE SURFACES SHALL HAVE A FINISH IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
- INLET TOP OPENING SHALL HAVE 3" x 7.58 LBS./FT. STD. WEIGHT STEEL PIPE, GALVANIZED, SCHEDULE 40, PIPE SAFETY GRATES INSTALLED PERPENDICULAR TO THE DIRECTION OF TRAFFIC AT 12" (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 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 GRATE.
- BAR BENDING DIAGRAMS AND DIMENSIONS, AS SHOWN THIS SHEET, ARE FOR STANDARD DEPTH DROP INLETS.
- ALL REINFORCING STEEL SHALL BE 1/2" DIAMETER (#4 BARS).

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. Sandomir* DATE 9/1/99

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (ENGLISH)
REINFORCED CONCRETE DROP INLETS FOR
18" TO 72" REINFORCED CONCRETE PIPES