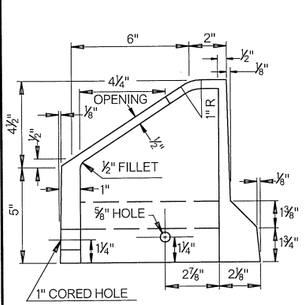
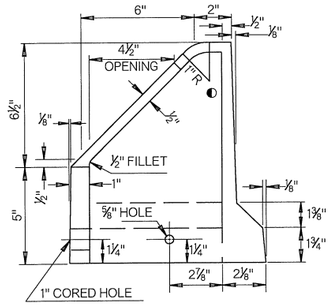
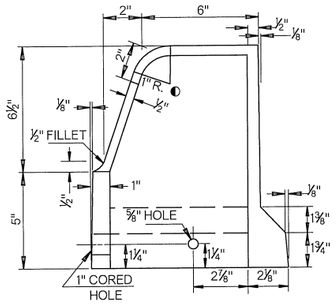
OKLAHOMA DEPARTMENT OF TRANSPORTATION	
STANDARD REVISIONS	
DESCRIPTION	DATE



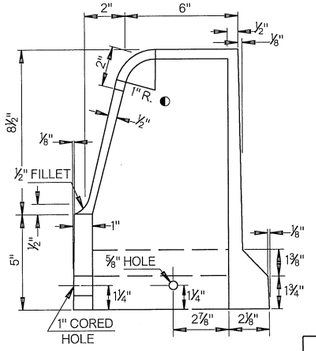
4" MOUNTABLE CURB HOOD



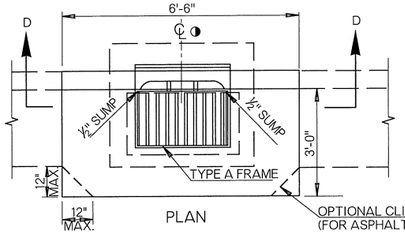
6" MOUNTABLE CURB HOOD



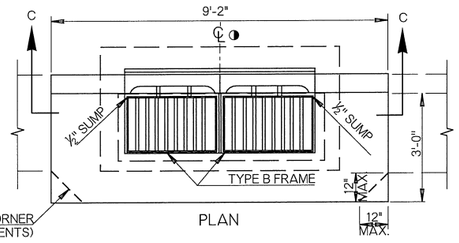
6" BARRIER CURB HOOD



8" BARRIER CURB HOOD



PLAN



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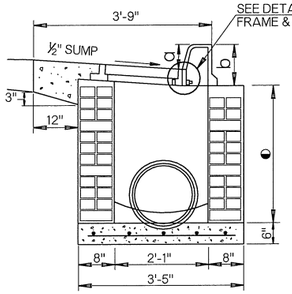
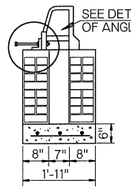
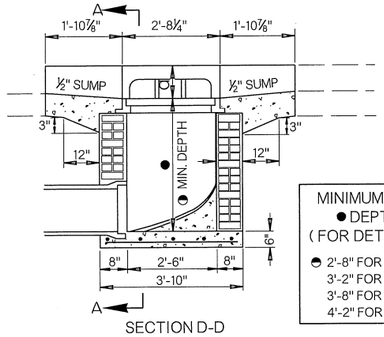


SECTION A-A



SECTION B-B

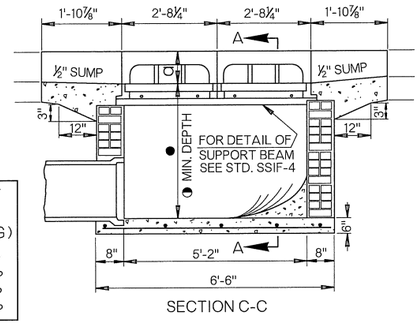
DESIGN NO.	TYPE OF CURB	DIMENSIONS a	DIMENSIONS b
1	4" MOUNTABLE	4½"	9½"
	6" MOUNTABLE	6½"	11½"
	6" BARRIER	6½"	11½"
	8" BARRIER	8½"	13½"
2	4" MOUNTABLE	4½"	9½"
	6" MOUNTABLE	6½"	11½"
	6" BARRIER	6½"	11½"
	8" BARRIER	8½"	13½"
3	4" MOUNTABLE	4½"	9½"
	6" MOUNTABLE	6½"	11½"
	6" BARRIER	6½"	11½"
	8" BARRIER	8½"	13½"



SECTION D-D

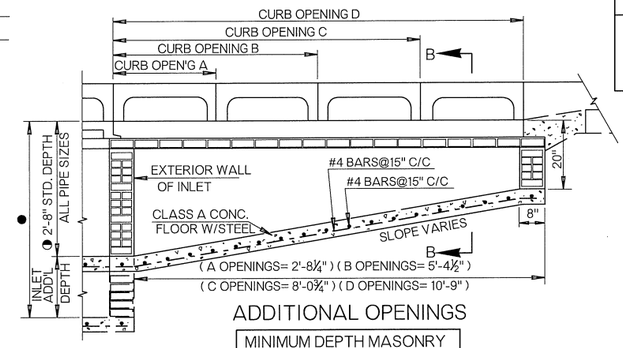
DESIGN 1
(SINGLE GRATE)

MINIMUM INLET
● DEPTH
(FOR DETAILING)
◓ 2'-8" FOR 18" RCP
3'-2" FOR 24" RCP
3'-8" FOR 30" RCP
4'-2" FOR 36" RCP



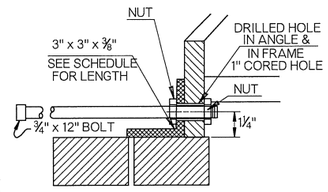
SECTION C-C

DESIGN 2 (DOUBLE GRATING)
DESIGN 3 (MULTIPLE DOUBLE GRATING)



ADDITIONAL OPENINGS

MINIMUM DEPTH MASONRY OR PRECAST WALLS
2'- 3" FOR 18" RCP
2'- 9" FOR 24" RCP
3'- 3" FOR 30" RCP
3'- 9" FOR 36" RCP



DETAIL OF CONNECTION
ANGLE IRON & CAST IRON HOOD
NOTE: ANGLE IRON TO BE BOLTED TO HOOD WITH 3 EACH - 3/4 " x 12" MACHINE BOLTS IN EACH HOOD SECTION.

QUANTITIES (FOR 18" R.C. PIPE AND MIN. DEPTH) ◓									
INLET	CURB OPENING	CLASS A CONCRETE	INLET		INLET FRAME & GRATE	CAST IRON HOOD	ANGLE IRON		
DESIGN	DESIGNATION	CU. YD.	BASE AM'T.	ADD'L. CF PER VERT FT.	EACH	EACH	NO.	LENGTH	
1	STD.	0.24	17.76	7.89	1	1	-	-	-
	A	0.34	23.84	7.89	1	2	1	2'-5⅛"	-
	B	0.43	30.11	7.89	1	3	1	5'-1⅝"	-
	C	0.53	36.38	7.89	1	4	1	7'-9⅛"	-
	D	0.63	42.66	7.89	1	5	1	10'-6¼"	-
	2A	0.43	29.91	7.89	1	3	2	2'-5⅛"	2'-5⅛"
	A-B	0.53	36.19	7.89	1	4	2	2'-5⅛"	5'-1⅝"
	A-C	0.62	42.46	7.89	1	5	2	2'-5⅛"	7'-9⅛"
	2B	0.62	42.46	7.89	1	5	2	5'-1⅝"	5'-1⅝"
	B-C	0.72	48.74	7.89	1	6	2	5'-1⅝"	7'-9⅛"
	2C	0.82	55.01	7.89	1	7	2	7'-9⅛"	7'-9⅛"
2	STD.	0.41	25.76	11.45	2	2	-	-	-
	B	0.60	38.11	11.45	2	4	1	5'-1⅝"	-
	C	0.73	44.39	11.45	2	5	1	7'-9⅛"	-
	D	0.79	50.66	11.45	2	6	1	10'-6⅛"	-
	2B	0.79	50.46	11.45	2	6	2	5'-1⅝"	5'-1⅝"
	2C	0.98	63.01	11.45	2	8	2	7'-9⅛"	7'-9⅛"
	B-D	0.98	63.01	11.45	2	8	2	5'-1⅝"	10'-6⅛"
	2D	1.17	75.56	11.45	2	10	2	10'-6⅛"	10'-6⅛"
◓ 3	STD.	0.74	41.27	18.34	4	4	-	-	-
	B	0.93	53.62	18.34	4	6	1	5'-1⅝"	-
	D	1.12	66.17	18.34	4	8	1	10'-6⅛"	-
	2B	1.12	65.98	18.34	4	8	1	5'-1⅝"	5'-1⅝"
	B-D	1.31	78.52	18.34	4	10	2	5'-1⅝"	10'-6⅛"
	2D	1.50	91.07	18.34	4	12	2	10'-6⅛"	10'-6⅛"

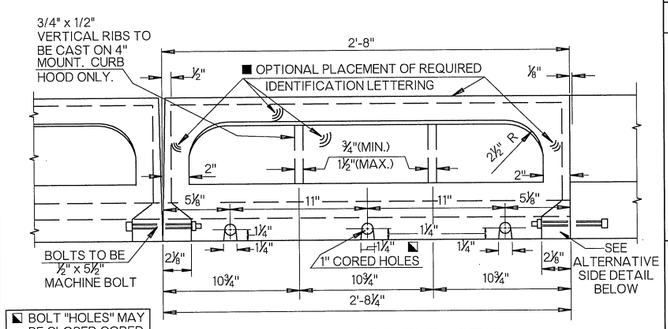
◓ DEPTH OF 2'-8" SHALL BE USED FOR STANDARD DEPTH FOR ALL PIPE SIZES AND/OR PIPE TYPES. FOR INLET DEPTHS GREATER THAN STANDARD DEPTH, A PAY ITEM FOR ADDITIONAL DEPTH, VERTICAL FEET, SHALL BE USED. TO DETERMINE TOTAL INLET QUANTITY FOR INLET DEPTHS GREATER THAN 2'-8", MULTIPLY ADDITIONAL DEPTH BY ADDITIONAL CU. FT. PER VERTICAL FOOT AND ADD TO THE BASE AMOUNT.

⬓ QUANTITIES SHOWN ARE FOR 2 DOUBLE GRATED INLETS.

PAYMENT FOR ALL CLASS A CONCRETE AND ANY REINFORCING STEEL USED TO CONSTRUCT CAST IN PLACE INLET WALLS OR FLOORS SHALL BE INCLUDED IN THE PRICE BID FOR THE INLET.

PRECAST INLET ALTERNATIVES MAY BE ACCEPTED, IN LIEU OF BRICK MASONRY OR CAST-IN-PLACE CONCRETE, IF APPROVED BY THE ENGINEER.

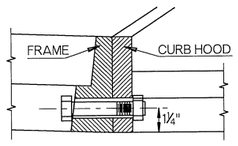
SPECIAL DESIGN CASTINGS, HOODS, FRAMES OR GRATES MAY BE USED, IN LIEU OF STANDARD DESIGNS SHOWN ON THIS SHEET, IF APPROVED BY THE ENGINEER.



◪ BOLT "HOLES" MAY BE CLOSED CORED HOLES OR SLOTS.

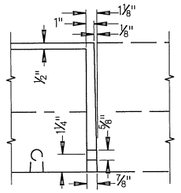
CAST IRON HOOD ELEVATION

■ TOP OF HOOD SHALL STATE "DUMP NO WASTE" AND "DRAINS TO RIVER" OR SIMILAR WORDING.



DETAIL OF CONNECTION
FRAME & CAST IRON HOOD

NOTE: FRAME TO BE BOLTED TO THE HOOD WITH 3 EA.- 3/4" x 4 1/2" MACHINE BOLTS. FOR FRAME DETAILS, SEE ROADWAY STANDARD SSIF-4



ALTERNATE SIDE DETAIL

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 ODOT STANDARD SPECIFICATIONS.
2. STANDARD SSIF-4 FRAMES AND STANDARD CIG-3 GRATES TO BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED. COST OF THESE ITEMS AND HOODS SHALL BE INCLUDED IN THE COST OF INLET.
3. WHEN THE INLET IS BUILT IN NEW CONCRETE PAVEMENT, THE APRON AROUND THE INLET MAY BE BUILT INTEGRAL WITH PAVEMENT OR MAY BE SEPARATE AND OF THE SIZE AS SHOWN. THE THICKNESS SHALL BE THE SAME AS THE CONCRETE PAVEMENT OR CURB AND GUTTER. IF CONSTRUCTED IN ANY OTHER AREA OR IN EXISTING PAVEMENT, THE APRON AROUND THE INLET SHALL BE THE SIZE AS SHOWN AND BUILT OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
4. THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONCRETE THRU THE EXTENTS OF THE INLET HOODS. DEDUCTION WILL BE MADE FOR THE PAYMENT OF INTEGRAL CURB THROUGH THE EXTENTS OF THE INLET HOODS.
5. ALL LETTERING TO BE RECESSED⅛INCH AND SHALL NOT EXCEED ONE INCH IN HEIGHT. INFORMATION REQUIRED SHALL BE AS STATED IN THE SPECIFICATIONS. LOCATION OF LETTERING TO BE AS SHOWN, WITH ADDITIONAL IDENTIFICATION LETTERING AT OTHER LOCATIONS PERMITTED.
6. CAST IN PLACE CONCRETE WALLS MEETING MIX REQUIREMENTS OF CLASS A CONCRETE MAY BE BUILT IN LIEU OF THE BRICK MASONRY TO THE SAME DIMENSIONS AS SHOWN. NO. 4 REINFORCING STEEL BARS SPACED 30" VERTICALLY AND 12" HORIZONTALLY WILL BE REQUIRED FOR ALL CAST IN PLACE INLET WALLS EXCEEDING 5.0 FEET IN DEPTH (GUTTERLINE TO FLOWLINE). COST OF STEEL REINFORCING TO BE INCLUDED IN THE COST OF THE INLET.
7. ALL CAST IN PLACE CLASS A CONCRETE INLET FLOORS SHALL HAVE NO. 4 REINFORCING STEEL PLACED AT 15" MAXIMUM C/C SPACING IN BOTH DIRECTIONS.
8. THE STANDARD DRAWING, DESIGN NO., DESIGNATION NO., AND NUMBER OF ADDITIONAL OPENINGS SHALL BE INDICATED ON THE PLANS, I.E., EXAMPLE: STD. CI-1, DES. 1(A-B).
9. TYPE B & C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES. SEE ROADWAY STD. SSIF-4 FOR DETAILS.
10. BOLT(S) WITH EXPANSION DEVICES OR EPOXY TYPE PUTTY TO BE USED TO INSTALL CAST IRON HOOD INTO CONCRETE CURB. COST OF INSTALLATION TO BE INCLUDED IN PRICE BID FOR THE CURB INLET.
11. CASTINGS AS SHOWN HERE SHALL BE CAST STEEL, DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE SPECIFICATIONS.

◐ 12. TWO INCH RADIUS MAY BE USED IF APPROVED BY THE ENGINEER.

◑ 13. CONSTRUCTION STATIONING OF CURB INLETS IS DETERMINED BY THE CENTERLINE (℄) OF THE SURFACE GRATES.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611 (G)	INLET (CI DES. ◭)	EA
611 (H)	ADDITIONAL DEPTH IN INLET (CI DES. ▽)	VF
611 (I)	REPLACEMENT OF INLET FRAME AND GRATE▲	EA
611 (J)	REPLACEMENT OF INLET FRAME	EA
611 (K)	REPLACEMENT OF INLET GRATE	EA
611 (M)	REPLACEMENT OF CAST IRON HOOD	EA

◭ SPECIFY INLET DESIGN & CURB OPENING DESIGNATION.
▽ SPECIFY INLET DESIGN 1, 2 OR 3.
▲ TYPE OF FRAME AND TYPE OF GRATE SHALL BE SPECIFIED.

APPROVED BY ROADWAY ENGINEER: Caleb F. H DATE: 04/16/15

ROADWAY DESIGN DIVISION STANDARD

CURB INLETS

OKLAHOMA DEPARTMENT OF TRANSPORTATION
2009 SPECIFICATIONS