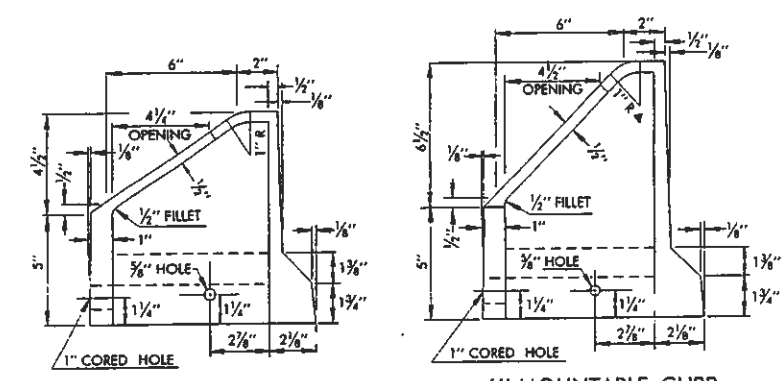
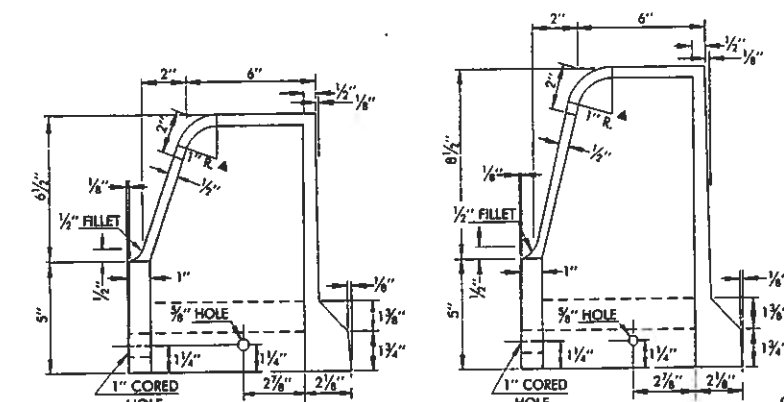


DESCRIPTION	REVISIONS	DATE
RE-ISSUE W/ENGLISH 1999 SPECS. Add Rein. Steel Modify Cast Iron Notes & Quant. Table		7/99



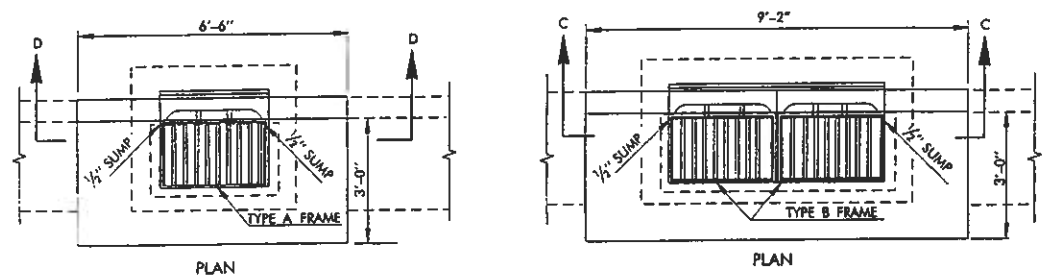
4" MOUNTABLE CURB

6" MOUNTABLE CURB



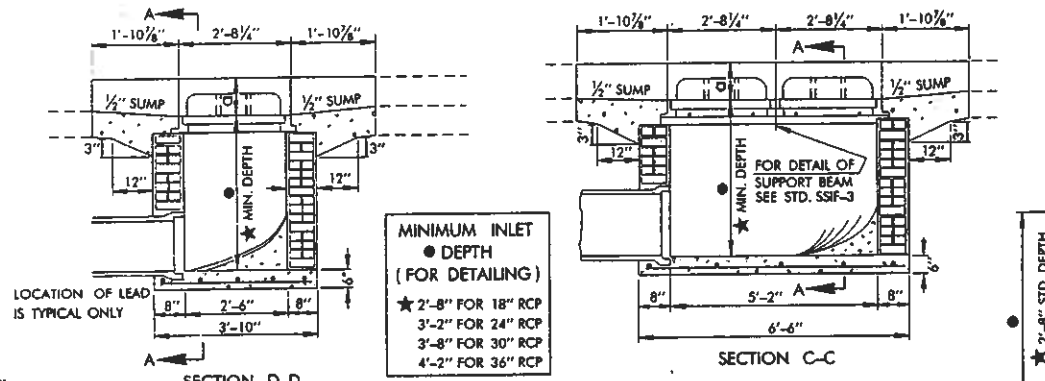
6" BARRIER CURB

8" BARRIER CURB



PLAN

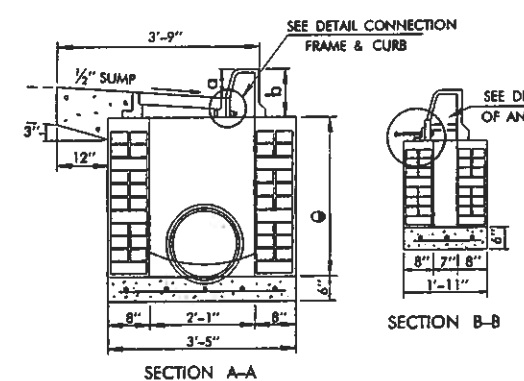
PLAN



SECTION D-D
DESIGN 1
(SINGLE GRATE)

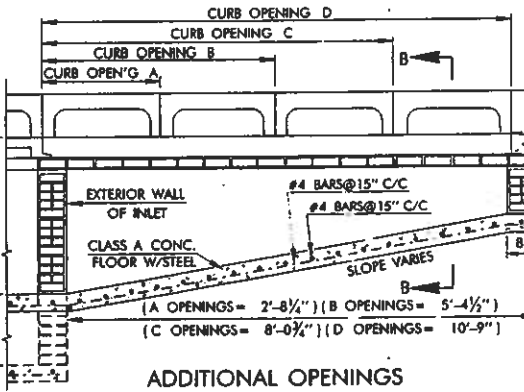
(DESIGN 2 - DOUBLE GRATING)
(DESIGN 3 - MULTIPLE DOUBLE GRATING)

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



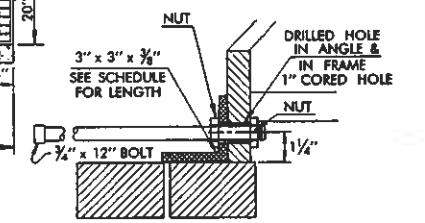
SECTION A-A

SECTION B-B



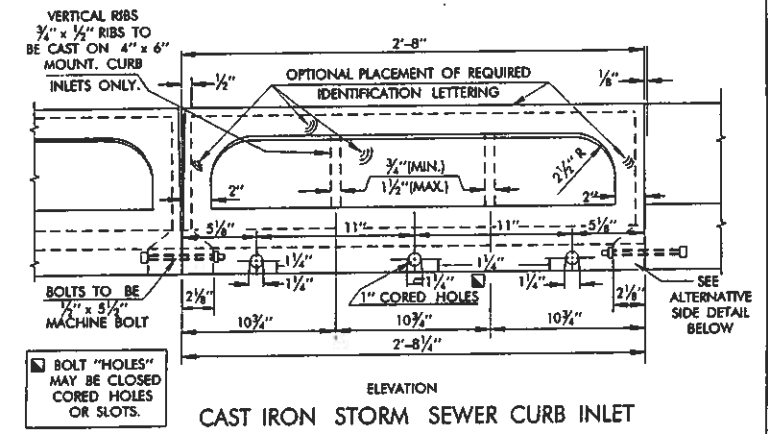
ADDITIONAL OPENINGS

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

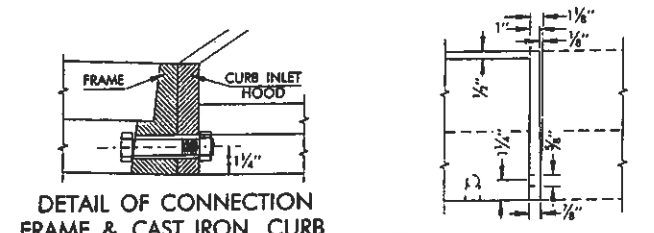


DETAIL OF CONNECTION ANGLE IRON & CAST IRON CURB

NOTE: ANGLE IRON TO BE BOLTED TO CURB WITH 3 EACH 3/4" x 12" MACHINE BOLTS IN EACH CURB SECTION.



ELEVATION CAST IRON STORM SEWER CURB INLET



DETAIL OF CONNECTION FRAME & CAST IRON CURB

ALTERNATE SIDE DETAIL

NOTE: FRAME TO BE BOLTED TO THE CURB WITH 3 EA. 3/4" x 4" MACHINE BOLTS. SEE CURRENT STANDARD DRAWING SSIF-3 (FRAME)

QUANTITIES (FOR 18" RCSP MIN. DEPTH)									
DESIGN	INLET DESIGNATION	CURB OPENING	CLASS A CONCRETE CU. YD.	BASE AMT.	ADD'L. C.F. PER VERT. FT.	INLET FRAME & GRATE EACH	CAST IRON CURB INLET EACH	ANGLE IRON	
								NO.	LENGTH
1	STD.		0.24	17.76	7.89	1	1	-	-
	A		0.34	23.84	7.89	1	2	1	2'-5 3/8"
	B		0.43	30.11	7.89	1	3	1	5'-1 1/2"
	C		0.53	36.38	7.89	1	4	1	7'-9 1/4"
	D		0.63	42.66	7.89	1	5	1	10'-6 1/2"
	2A		0.43	29.91	7.89	1	3	2	2'-5 3/8" 2'-5 3/8"
	A-B		0.53	36.19	7.89	1	4	2	2'-5 3/8" 5'-1 1/2"
	A-C		0.62	42.46	7.89	1	5	2	2'-5 3/8" 7'-9 1/4"
	2B		0.62	42.46	7.89	1	5	2	5'-1 1/2" 5'-1 1/2"
	B-C		0.72	48.74	7.89	1	6	2	5'-1 1/2" 7'-9 1/4"
2	2C		0.82	55.01	7.89	1	7	2	7'-9 1/4" 7'-9 1/4"
	STD.		0.41	25.76	11.45	2	2	-	-
	B		0.60	38.11	11.45	2	4	1	5'-1 1/2"
	C		0.73	44.39	11.45	2	5	1	7'-9 1/4"
	D		0.79	50.66	11.45	2	6	1	10'-6 1/2"
	2B		0.79	50.46	11.45	2	6	2	5'-1 1/2" 5'-1 1/2"
	2C		0.98	63.01	11.45	2	8	2	7'-9 1/4" 7'-9 1/4"
	B-D		0.98	63.01	11.45	2	8	2	5'-1 1/2" 10'-6 1/2"
	2D		1.17	75.56	11.45	2	10	2	10'-6 1/2" 10'-6 1/2"
	3	STD.		0.74	41.27	18.34	4	4	-
B			0.93	53.62	18.34	4	6	1	5'-1 1/2"
D			1.12	66.17	18.34	4	8	1	10'-6 1/2"
2B			1.12	65.98	18.34	4	8	1	5'-1 1/2" 5'-1 1/2"
B-D			1.31	78.52	18.34	4	10	2	5'-1 1/2" 10'-6 1/2"
2D			1.50	91.07	18.34	4	12	2	10'-6 1/2" 10'-6 1/2"

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.

- GENERAL NOTES**
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
 - STANDARD SSIF-3 FRAMES AND STANDARD CIG-2 GRATES TO BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED.
 - 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 SHOWN IN THE PLAN OF INLETS ON THIS SHEET. 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 SHOWN IN THE PLAN (THIS SHEET) AND BUILT OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
 - THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONCRETE THRU THE EXTENTS OF THE CAST IRON CURB INLETS. DEDUCTION WILL BE MADE FOR THE PAYMENT OF INTEGRAL CURB THRU THE EXTENTS OF THE CAST IRON CURB INLETS.
 - ALL LETTERING TO BE RECESSED 1/16 INCH AND SHALL NOT EXCEED 1 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 ACCEPTABLE.
 - 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 THIS SHEET. 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.
 - 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.
 - THE STANDARD DRAWING, DESIGN NO., DESIGNATION NO. AND NUMBER OF ADDITIONAL OPENINGS SHALL BE INDICATED ON THE PLANS, I.E., EXAMPLE: STD. CIG-2, DES. 1(A-B).
 - TYPE B & C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES. SEE STD. SSIF-3.
 - BOLT(S) WITH EXPANSION DEVICES OR EPOXY TYPE PUTTY TO BE USED TO INSTALL CURB INLET INTO CONCRETE CURB. COST OF INSTALLATION TO BE INCLUDED IN PRICE BID FOR CAST IRON CURB INLET.
 - CASTINGS AS SHOWN HERE SHALL BE CAST STEEL DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE 1999 ENGLISH STANDARD SPECIFICATIONS.
 - RADIUS OF 2 INCHES MAY BE USED IF APPROVED BY THE ENGINEER.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611.06(E)	INLET []	EA.
611.06(F)	ADDITIONAL DEPTH IN INLET []	V.F.
611.06(G)	INLET FRAME AND GRATE	EA.
611.06(K)	CAST IRON CURB INLETS (1)	EA.

- (1) PRICE BID TO INCLUDE THE COST OF [] 4" MOUNT. CURB INLETS, [] 6" MOUNTABLE CURB INLETS, [] 6" BARRIER CURB INLETS, AND [] 8" BARRIER CURB INLETS.
- [] THE NUMBER OF CAST IRON CURB UNITS OF THE VARIOUS TYPE CURBS TO BE SHOWN IN THE BLANK SPACES, I.E., EXAMPLE: THE PRICE BID TO INCLUDE THE COST OF (24) 4" MOUNTABLE CURB INLETS AND (52) 8" BARRIER CURB INLETS.
- [] EACH INDIVIDUAL INLET DESIGN & CURB OPENING DESIGNATION SHALL BE SPECIFIED AND REQUIRE A SEPARATE PAY ITEM.
- [] FOR ADDITIONAL DEPTH, SPECIFY ONLY INLET DESIGN 1, 2 OR 3. THE INDIVIDUAL CURB OPENING DESIGNATION IS NOT REQUIRED.

APPROVED BY ROADWAY ENGINEER *C.M. Sankowski* DATE 9/1/99

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (ENGLISH)

CAST IRON CURB INLETS

1999 SPECIFICATIONS

CICI-2 OOE
R-94E