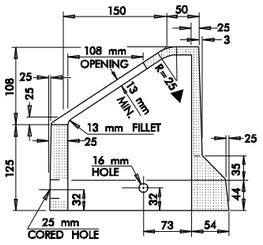
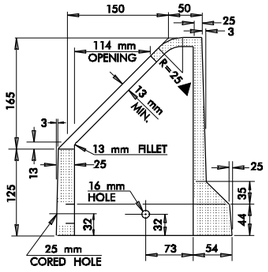
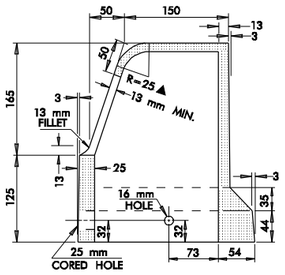
DESCRIPTION	REVISIONS	DATE
RE-ISSUE W/METRIC 1999 SPECS. ModifyCast Inlet Notes, Quant. Table lgc 7/99		



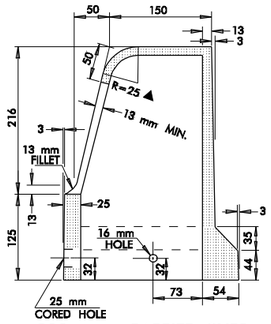
100 mm MOUNTABLE CURB



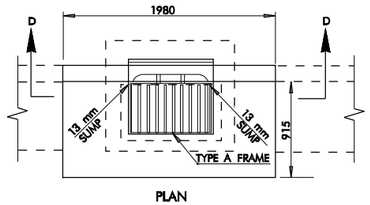
150 mm MOUNTABLE CURB



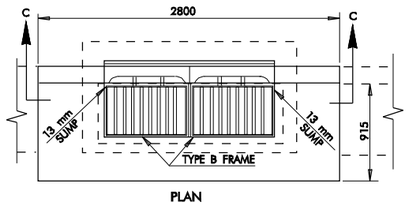
150 mm BARRIER CURB



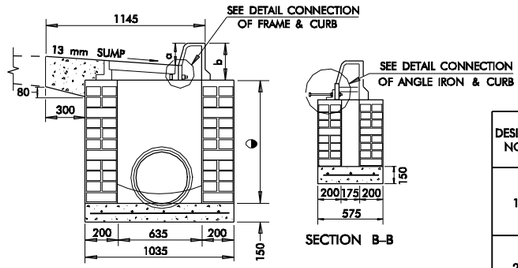
200 mm BARRIER CURB



PLAN



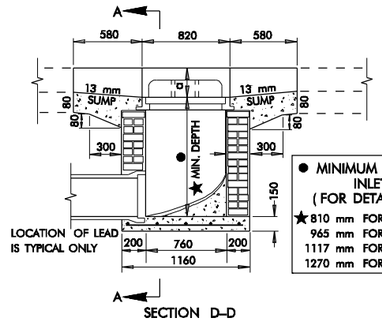
PLAN



SECTION A–A

SECTION B–B

DESIGN NO.	TYPE OF CURB	DIMENSIONS (mm) a	DIMENSIONS (mm) b
1	100 mm MOUNTABLE	114	241
	150 mm MOUNTABLE	165	292
	150 mm BARRIER	165	292
	200 mm BARRIER	216	343
2	100 mm MOUNTABLE	114	241
	150 mm MOUNTABLE	165	292
	150 mm BARRIER	165	292
	200 mm BARRIER	215	343
3	100 mm MOUNTABLE	114	241
	150 mm MOUNTABLE	165	292
	150 mm BARRIER	165	292
	200 mm BARRIER	215	343

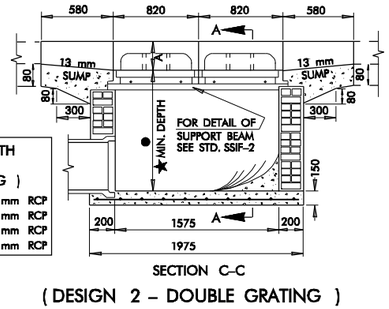


SECTION D–D

DESIGN 1
(SINGLE GRATE)

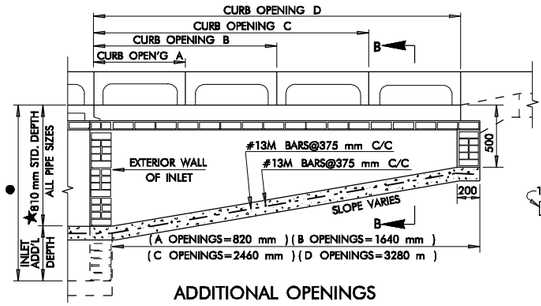
● MINIMUM DEPTH INLET (FOR DETAILING)

★810 mm FOR 450 mm RCP
965 mm FOR 600 mm RCP
1117 mm FOR 750 mm RCP
1270 mm FOR 900 mm RCP

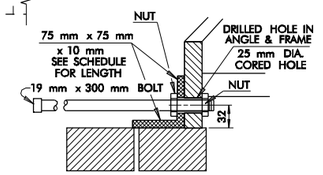


SECTION C–C

(DESIGN 2 – DOUBLE GRATING)
(DESIGN 3 – MULT. DOUBLE GRATING)

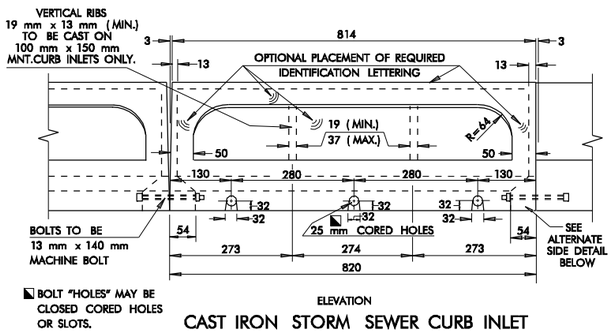


ADDITIONAL OPENINGS



DETAIL OF CONNECTION
ANGLE IRON & CAST IRON CURB

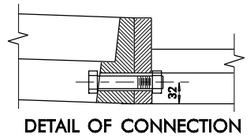
NOTE: ANGLE IRON TO BE BOLTED TO CURB WITH 3 EA. – M19 x 300 mm MACHINE BOLTS IN EACH CURB SECTION.



ELEVATION

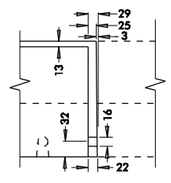
CAST IRON STORM SEWER CURB INLET

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



DETAIL OF CONNECTION
FRAME & CAST IRON CURB

NOTE: FRAME TO BE BOLTED TO THE CURB WITH 3 EA. 19 mm X 114 mm MACHINE BOLTS. SEE CURRENT STANDARD DRAWING SSIF–3 (FRAME)



ALTERNATE SIDE DETAIL

QUANTITIES (FOR 450 mm RCSP MIN. DEPTH) ☒									
INLET	CURB OPENING	CLASS A CONCRETE	INLET (CUBIC METERS)		INLET FRAME & GRATE	CAST IRON CURB INLET	ANGLE IRON		
DESIGN	DESIGNATION	CU. M	BASE AM'T.	ADD'L. CU.M PER VERT M	EACH	EACH	NO.	LENGTH (mm)	
1	STD.	0.180	0.492	0.718	1	1	–	–	–
	A	0.250	0.658	0.718	1	2	1	745	–
	B	0.322	0.834	0.718	1	3	1	1565	–
	C	0.392	1.008	0.718	1	4	1	2385	
	D	0.463	1.182	0.718	1	5	1	3205	–
	2A	0.322	0.824	0.718	1	3	2	745	745
	A–B	0.392	1.000	0.718	1	4	2	745	1565
	A–C	0.463	1.174	0.718	1	5	2	745	2385
	2B	0.463	1.176	0.719	1	5	2	1565	1565
	B–C	0.534	1.350	0.718	1	6	2	1565	2385
	2C	0.604	1.524	0.718	1	7	2	2385	2385
2	STD.	0.307	0.715	1.044	2	2	–	–	–
	B	0.448	1.057	1.044	2	4	1	1565	–
	C	0.519	1.231	1.044	2	5	1	2385	
	D	0.590	1.405	1.044	2	6	1	3205	–
	2B	0.590	1.405	1.044	2	6	2	1565	1565
	2C	0.983	1.747	1.044	2	8	2	2385	2385
	B–D	0.731	1.747	1.044	2	8	2	1565	3205
	2D	0.872	2.095	1.044	2	10	2	3205	3205
■3	STD.	0.559	1.160	1.694	4	4	–	–	–
	B	0.700	1.503	1.694	4	6	1	1565	–
	D	0.842	1.850	1.694	4	8	1	3205	–
	2B	0.842	1.850	1.694	4	8	1	1565	1565
	B–D	0.983	2.193	1.694	4	10	2	1565	3205
	2D	1.125	2.540	1.694	4	12	2	3205	3205

☒ DEPTH OF 810 mm 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, IN VERTICAL METERS, SHALL BE USED. TO DETERMINE TOTAL INLET QUANTITY, IN CUBIC METERS, FOR INLET DEPTHS GREATER THAN 810 mm, MULTIPLY 'ADDTIONAL DEPTH' BY 'ADDITIONAL CUBIC METER PER VERTICAL METER' 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

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
2. STANDARD SSIF–3 FRAMES AND STANDARD CIG–2 GRATES TO BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED.
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 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 200 mm THICKNESS.
4. 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.
5. ALL LETTERING TO BE RECESSED 2 mm AND SHALL NOT EXCEED 25 mm 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.
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 THIS SHEET. NO. 13M REINFORCING STEEL BARS SPACED 750 mm VERTICALLY AND 300 mm HORIZONTALLY WILL BE REQUIRED FOR ALL CAST IN PLACE INLET WALLS EXCEEDING 1.5 METERS 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. 13M REINFORCING STEEL PLACED AT 375 mm 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. EXAMPLE: STD. CICI–2, DES. 1(A–B).
9. TYPE B & C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES: SEE ROADWAY STANDARD SSIF–3.
10. 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.
11. CASTINGS AS SHOWN HERE SHALL BE CAST STEEL, DUCTILE IRON, OR GRAY IRON CONFORMING TO SECTION 725 OF THE 1999 METRIC STANDARD SPECIFICATIONS.

▲12. RADIUS OF 50 mm MAY BE USED IF APPROVED BY THE ENGINEER.

◒ MINIMUM DEPTH MASONRY OR PRECAST WALLS

685 mm FOR 450 mm RCP
840 mm FOR 600 mm RCP
990 mm FOR 750 mm RCP
1140 mm FOR 900 mm RCP

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
611.06(E)	INLET ◧	EACH
611.06(F)	ADDITIONAL DEPTH IN INLET ◨	METER
611.06(G)	INLET FRAME AND GRATE	EACH
611.06(K)	CAST IRON CURB INLETS (1)	EACH

(1) PRICE BID TO INCLUDE THE COST OF (⬒) 100 mm MOUNTABLE CURB INLETS. (⬒) 150 mm MOUNTABLE CURB INLETS, (⬒) 150 mm BARRIER CURB INLETS, AND (⬒) 200 mm BARRIER CURB INLETS.

⬒ THE NUMBER OF CAST IRON CURB UNITS OF THE VARIOUS TYPE CURBS TO BE SHOWN IN THE BLANK SPACES, I.E., PRICE BID TO INCLUDE THE COST OF (24) 100 mm MOUNTABLE CURB INLETS AND (52) 200 mm 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 — DATE

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (METRIC)

CAST IRON CURB INLETS

1999 SPECIFICATIONS	CICI–2	00M
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.		R–94M