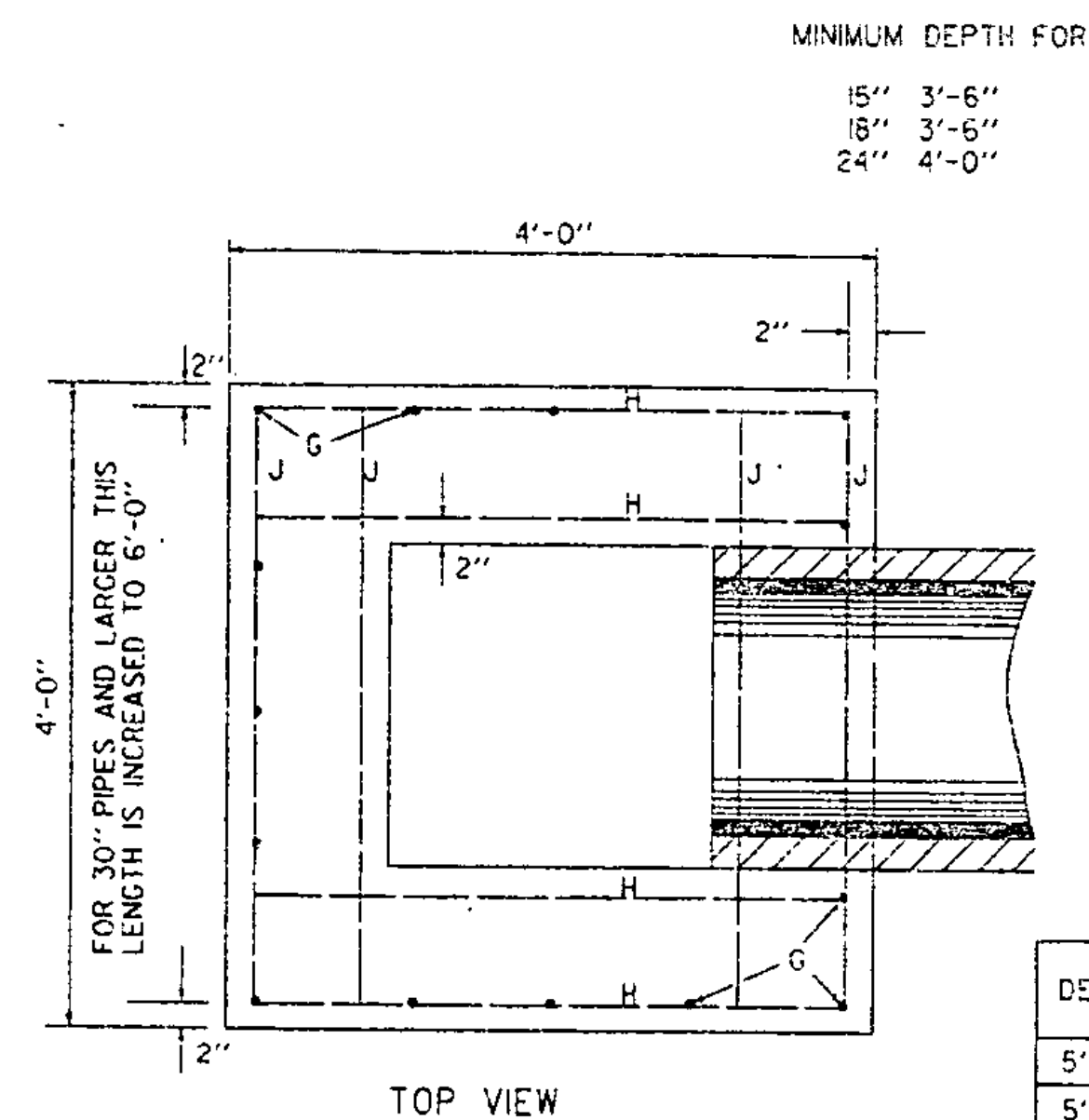


REINFORCED CONCRETE DROP INLET WITH GRATE (BOTTOM SECTION)
SEE SHEETS D-9, D-10, D-11, AND D-16 FOR TOP SECTION



MINIMUM DEPTH FOR
15" 3'-6"
18" 3'-6"
24" 4'-0"

STEEL SCHEDULE FOR DROP INLET (BOTTOM SECTION ONLY)

DEPTH	12" TO 24" DIAMETER 4' x 4' D.I.				30" DIAMETER 4' x 6' D.I.			
	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
3'-0"	12	3'-8"	13	3'-8"	15	2'-8"		
3'-6"	12	3'-8"	13	3'-8"	15	3'-2"		
4'-0"	14	3'-8"	15	3'-8"	15	3'-8"		
4'-6"	14	3'-8"	15	3'-8"	15	4'-2"		
5'-0"	16	3'-8"	17	3'-8"	15	4'-8"		
5'-6"	16	3'-8"	17	3'-8"	15	5'-2"		
6'-0"	18	3'-8"	19	3'-8"	15	5'-8"		

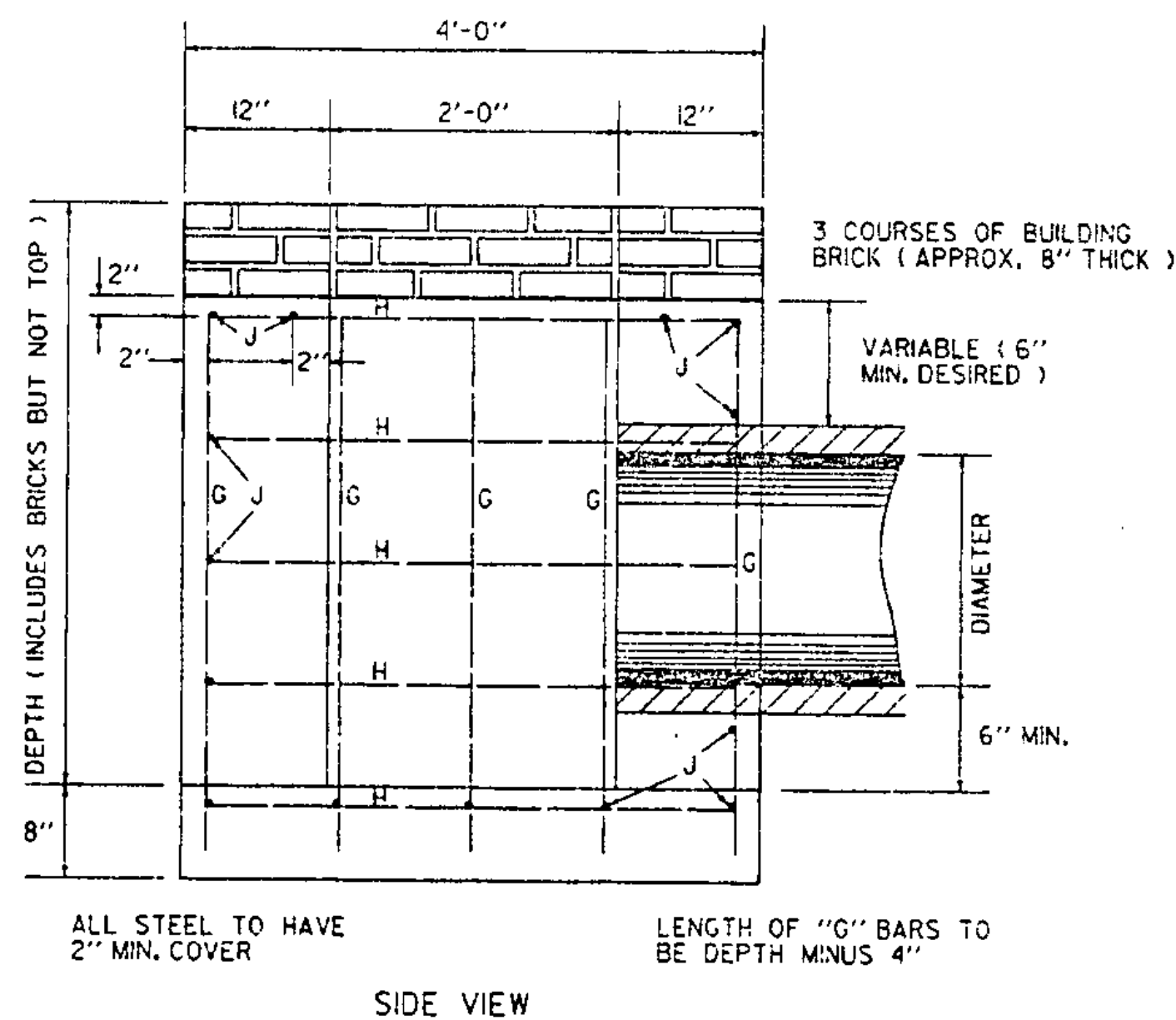
36" DIAMETER 4' x 6' D.I.

DEPTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
5'-0"	14	5'-8"	19	3'-8"	17	4'-8"
5'-6"	14	5'-8"	19	3'-8"	17	5'-2"
6'-0"	16	5'-8"	21	3'-8"	17	5'-8"

BRICKS ARE INCLUDED IN CONCRETE QUANTITIES IN CHART

CONCRETE AND STEEL QUANTITIES FOR DROP INLETS (BOTTOM SECTION ONLY)

DEPTH	12"-24" DIA.		30" DIA.		36" DIA.	
	CONC BY C.Y.	STEEL	CONC BY C.Y.	STEEL	CONC BY C.Y.	STEEL
3'-0"	1.73	138				
3'-6"	1.95	145				
4'-0"	2.17	168				
4'-6"	2.40	176	3.08	210		
5'-0"	2.62	199	3.37	238	3.29	238
5'-6"	2.84	207	3.67	247	3.59	247
6'-0"	3.06	230	3.97	276	3.89	276



TO FIND VOLUME OF CONCRETE FOR THE ENTIRE STRUCTURE, ADD THE VOLUME FOR THE TOP USED, TO THE VOLUME IN THIS TABLE. FOR VOLUME IN TOP, SEE SHEETS D-9, D-10.

ALL REINFORCING STEEL TO BE NO. 5 Ø DEFORMED BARS, EVENLY SPACED, WITH A MAXIMUM SPACING OF 12" CENTER TO CENTER.

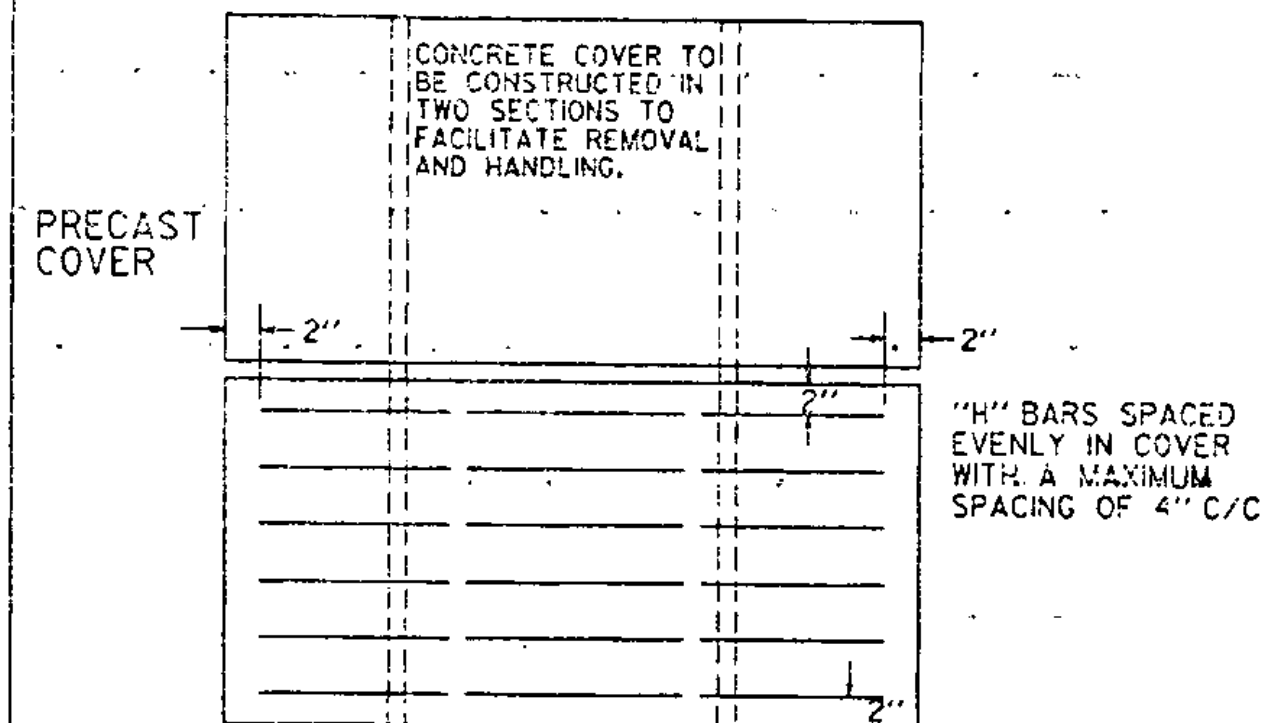
DROP INLET TO BE CONSTRUCTED IN ACCORDANCE WITH STRUCTURAL CONCRETE, SECTION 501.

FURNISHING AND LAYING OF BRICKS FOR ADJUSTING ELEVATION OF GRATE, SHALL BE INCLUDED IN UNIT BID PRICE FOR CONCRETE, CLASS B, PAY ITEM 501.25, AND THEIR VOLUME TO BE INCLUDED IN THE FINAL QUANTITIES.

MORTAR, TYPE II, TO BE USED FOR JOINT FILLER AND LAYING OF BRICK.

FOR PIPES OF 30" OR MORE IN DIAMETER, ALLOWANCE SHALL BE MADE FOR THE OPENING IN COMPUTING CONCRETE VOLUMES. THIS DEDUCTION WILL BE BASED ON THE RATED DIAMETER OF THE PIPE USED, WITH THE SAME DEDUCTION FOR CONCRETE AND METAL PIPE.

REINFORCED CONCRETE DROP INLET WITH PRECAST COVER
DROP INLET AND COVER TO BE CONSTRUCTED IN ACCORDANCE WITH STRUCTURAL CONCRETE, SECTION 501



STEEL SCHEDULE FOR DROP INLETS WITH PRECAST COVERS

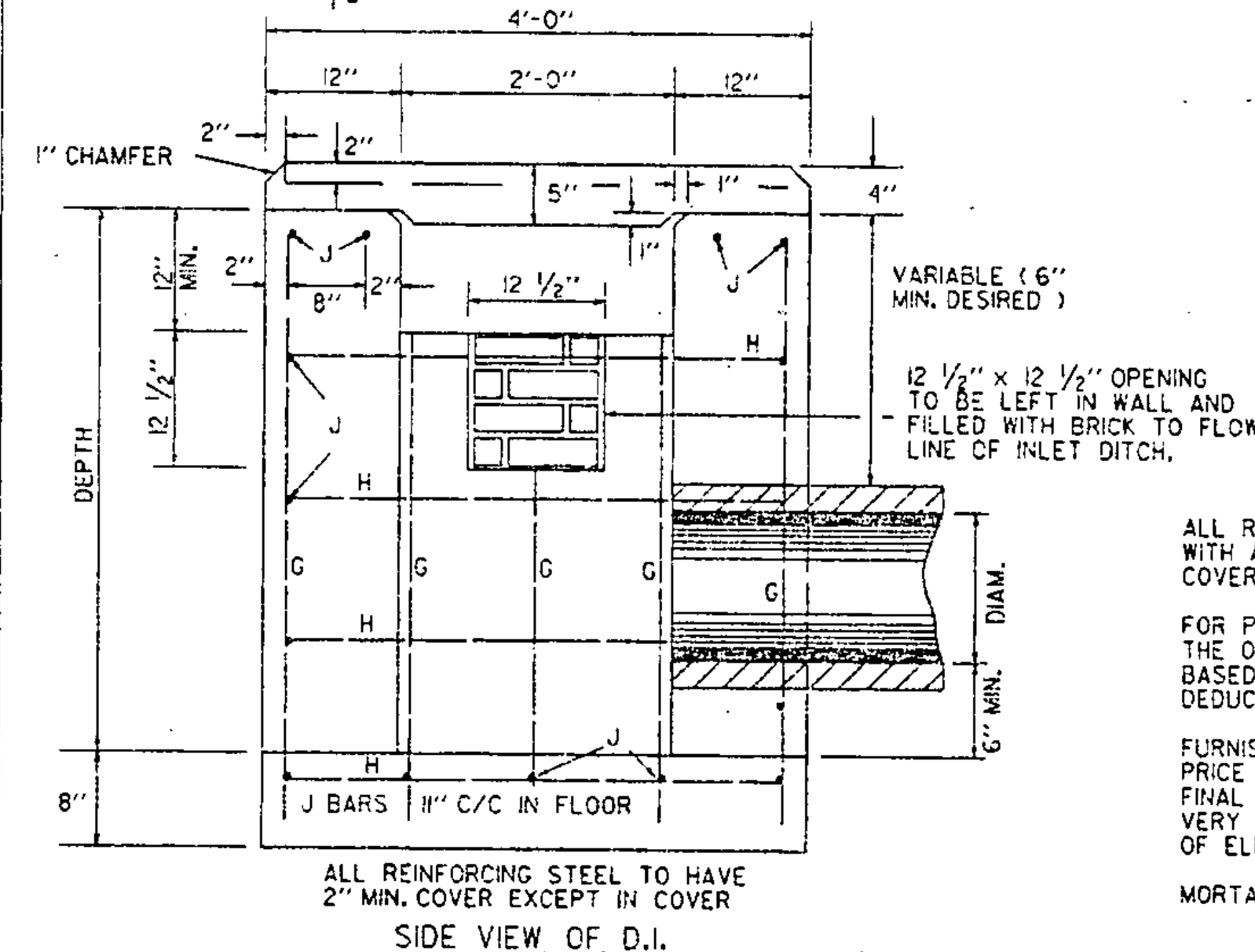
DEPTH	12" TO 24" DIAMETER				30" DIAMETER			
	G	LENGTH	H-J	LENGTH	G	LENGTH	J	LENGTH
2'-0"	15	2'-4"	31	3'-8"				
2'-6"	15	2'-10"	33	3'-8"				
3'-0"	15	3'-4"	36	3'-8"				
3'-6"	15	3'-10"	36	3'-8"	16	3'-10"	12	4'-2"
4'-0"	15	4'-4"	39	3'-8"	16	4'-4"	14	4'-2"
4'-6"	15	4'-10"	39	3'-8"	16	4'-10"	14	4'-2"
5'-0"	15	5'-4"	42	3'-8"	16	5'-4"	16	4'-2"
5'-6"	15	5'-10"	42	3'-8"	16	5'-10"	16	4'-2"
6'-0"	15	6'-4"	45	3'-8"	16	6'-4"	16	4'-2"

36" DIAMETER

DEPTH	G	LENGTH	H	LENGTH
4'-0"	16	4'-4"	14	4'-8"
4'-6"	16	4'-10"	14	4'-8"
5'-0"	16	5'-4"	16	4'-8"
5'-6"	16	5'-10"	16	4'-8"
6'-0"	15	6'-4"	18	4'-8"

NOTE: SPACING OF BARS WILL VARY SLIGHTLY WITH SIZE OF PIPE USED. CUT "G" BARS IN THROAT AREA TO ELEVATION AT BOTTOM OF BRICKS

TOP VIEW OF D.I.



CONCRETE AND STEEL QUANTITIES FOR DROP INLETS OF VARIOUS DEPTHS

DROP INLETS WITH PRECAST COVERS

DEPTH	12" 15" 18"		24"		30"		36"	
	CONC BY C.Y.	STEEL LBS.	CONC BY C.Y.	STEEL LBS.	CONC BY C.Y.	STEEL LBS.	CONC BY C.Y.	STEEL LBS.
2'-0"	1.4	155						
2'-6"	1.6	171	1.6	171				
3'-0"	1.8	190	1.8	190				
3'-6"	2.0	198	2.0	198	2.1	204		
4'-0"	2.3	217	2.3	217	2.3	221	2.5	248
4'-6"	2.5	225	2.5	225	2.6	237	2.7	256
5'-0"	2.7	244	2.7	244	2.8	254	3.0	282
5'-6"	2.9	252	2.9	252	3.0	270	3.2	290
6'-0"	3.2	271	3.2	271	3.3	287	3.5	316

ALL REINFORCING BARS SHALL BE NO. 5 Ø DEFORMED BARS, EVENLY SPACED, WITH A MAXIMUM SPACING OF 12" CENTER TO CENTER, EXCEPT IN THE COVER, WHERE THE MAXIMUM SPACING IS 4" CENTER TO CENTER.

FOR PIPES OF 30" OR MORE IN DIAMETER, ALLOWANCE SHALL BE MADE FOR THE OPENING IN COMPUTING CONCRETE VOLUMES. THIS DEDUCTION WILL BE BASED ON THE RATED DIAMETER OF THE PIPE USED, WITH THE SAME DEDUCTION FOR CONCRETE AND METAL PIPE.

FURNISHING AND LAYING OF BRICKS, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONCRETE, CLASS B, AND THEIR VOLUME TO BE INCLUDED IN THE FINAL QUANTITIES. ONLY SUFFICIENT MORTAR TO BE USED TO PROVIDE A VERY LIGHT BOND TO ALLOW WITH EASE, FUTURE REMOVAL, FOR CORRECTION OF ELEVATION OF FLOW LINE.

MORTAR, TYPE II, TO BE USED FOR JOINT FILLER AND LAYING OF BRICK.

REVISIONS AND CORRECTIONS
DEC. 6, 1971 - ORIGINAL APPROVAL
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE,
UNDER NEW SIGNATURES.

APPROVED
APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION
FROM FINAL APPROVAL PENDING.

Stephen A. McAllister, P.E.
DIRECTOR OF ENGINEERING
John M. Murphy, P.E.
DESIGN ENGINEER

REINFORCED CONCRETE DROP INLET WITH PRECAST COVER
REINFORCED CONCRETE DROP INLET WITH GRATE (BOTTOM SECTION)
(SEE SHEETS D-9, D-10, AND D-11 FOR TOP SECTION)



STANDARD
D-8