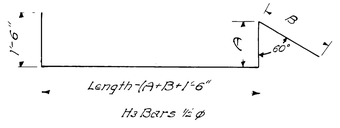
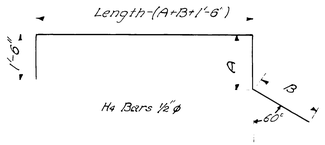
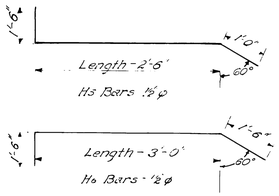
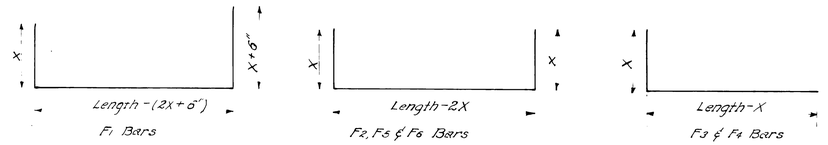
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

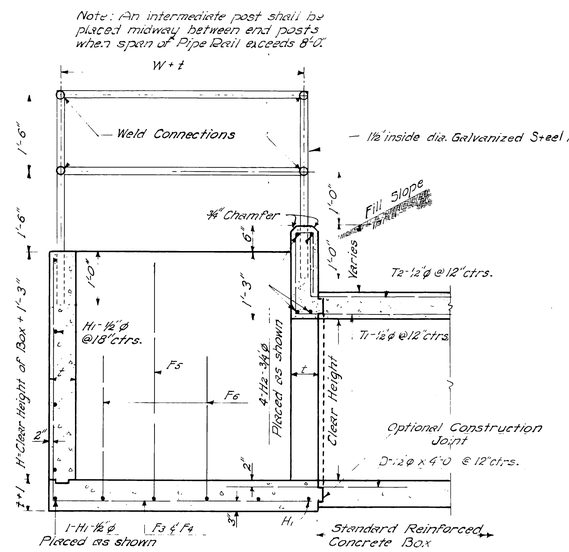
Rev. 1967 Spec.



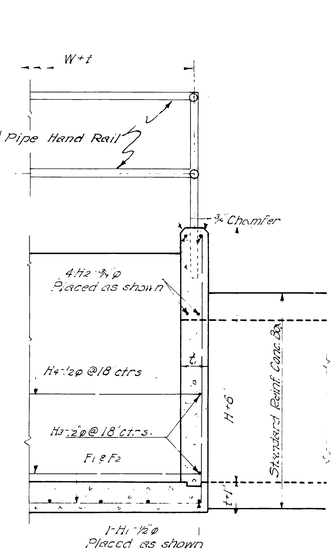




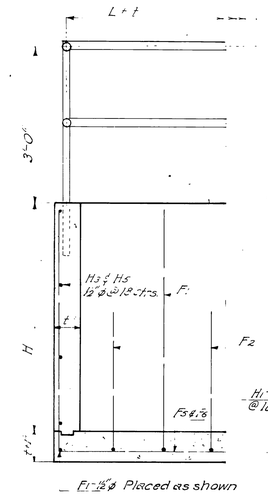




SECTION AA



SECTION B-B



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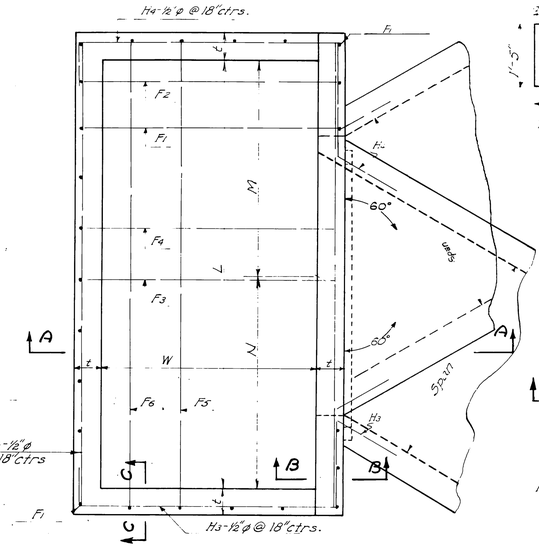
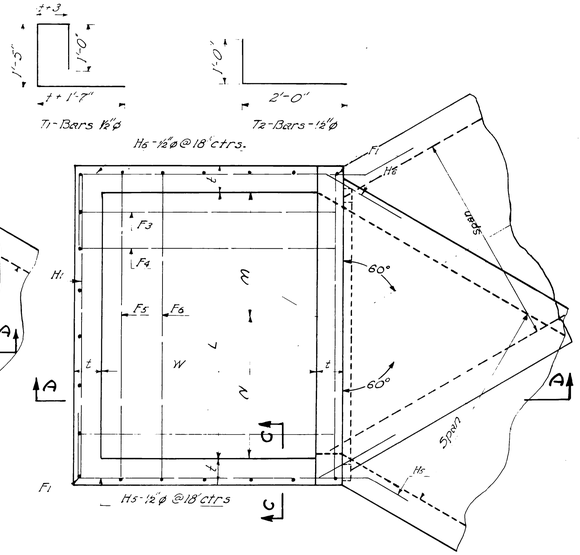


PLAN-TYPE 'B'



PLAN-TYPE 'A'

SECTION AA — SECTION B-B — SECTION C-C — PLAN-TYPE 'B' — PLAN-TYPE 'A'

DROP-INLET SIZES

DESIGN NUMBER	TYPE	SIZE OF CULVERT Span	Clear Height	H*	L	M	N	W	H	t
1	B	2'-0"	2'-0"	9"	4'-0"	2'-0"	2'-0"	2'-0"	3'-3"	6"
2	A	2'-0"	2'-0"	1'-3	2'-8"	1'-2"	1'-6"	2'-0"	3'-3"	6"
3	B	3'-0"	2'-0"	1'-0"	4'-6"	2'-2"	2'-4"	2'-3"	3'-3"	6"
4	A	3'-0"	2'-0"	2'-0"	3'-10"	1'-9"	2'-1"	2'-0"	3'-3"	6"
5	B	3'-0"	2'-6"	1'-0"	6'-0"	3'-0"	3'-0"	3'-0"	3'-9"	6"
6	A	3'-0"	2'-6"	2'-0"	3'-10"	1'-9"	2'-1"	2'-6"	3'-9"	6"
7	B	3'-0"	3'-0"	1'-0"	8'-0"	4'-0"	4'-0"	4'-0"	4'-3"	6"
8	A	3'-0"	3'-0"	2'-0"	3'-10"	1'-9"	2'-1"	3'-0"	4'-3"	6"
9	B	4'-0"	2'-0"	1'-0"	6'-0"	3'-0"	3'-0"	3'-0"	3'-3"	6"
10	A	4'-0"	2'-0"	2'-0"	5'-0"	2'-4"	2'-8"	2'-0"	3'-3"	6"
11	B	4'-0"	2'-6"	1'-0"	8'-0"	4'-0"	4'-0"	4'-0"	3'-9"	6"
12	A	4'-0"	2'-6"	2'-0"	5'-0"	2'-4"	2'-8"	2'-6"	3'-9"	6"
13	B	4'-0"	3'-0"	1'-0"	11'-0"	5'-6"	5'-6"	5'-6"	4'-3"	6"
14	A	4'-0"	3'-0"	2'-0"	5'-0"	2'-4"	2'-8"	3'-0"	4'-3"	6"
15	B	4'-0"	4'-0"	1'-6	8'-0"	4'-0"	4'-0"	4'-0"	5'-3"	6½"
16	A	4'-0"	4'-0"	2'-0"	5'-2"	2'-9"	2'-10"	4'-0"	5'-3"	6½"
17	B	5'-0"	2'-0"	1'-0"	7'-6"	3'-9"	3'-9"	3'-9"	3'-3"	6"
18	A	5'-0"	2'-0"	2'-0"	6'-2"	2'-11"	3'-3"	2'-0"	3'-3"	6"
19	B	5'-0"	3'-0"	1'-0"	13'-0"	6'-6"	6'-6"	6'-6"	4'-3"	6"
20	A	5'-0"	3'-0"	2'-0"	6'-2"	2'-11"	3'-3"	3'-0"	4'-3"	6"
21	B	5'-0"	4'-0"	2'-0"	7'-0"	3'-5"	3'-7"	4'-0"	5'-3"	6½"
22	A	5'-0"	4'-0"	2'-6"	6'-3"	2'-11"	3'-4"	4'-0"	5'-3"	7½"
23	B	5'-0"	5'-0"	2'-0	10'-0"	5'-0"	5'-0"	5'-0"	4'-3"	8"
24	A	5'-0"	5'-0"	3'-0"	6'-6"	2'-11"	3'-7"	5'-0"	5'-3"	8½"
25	B	6'-0"	2'-0"	1'-0"	8'-6"	4'-3"	4'-3"	4'-3"	3'-9"	6"
26	A	6'-0"	2'-0"	2'-0"	7'-4"	3'-6"	3'-10"	2'-0"	3'-9"	6"
27	B	6'-0"	3'-0"	1'-0"	16'-0"	8'-0"	8'-0"	8'-0"	4'-3"	6"
28	A	6'-0"	3'-0"	2'-0"	7'-7"	3'-6"	4'-1"	3'-0"	4'-3"	6"
29	B	6'-0"	4'-0"	2'-0"	9'-0"	4'-6"	4'-6"	4'-6"	5'-3"	7"
30	A	6'-0"	4'-0"	3'-0"	7'-6"	3'-6"	4'-0"	4'-0"	5'-3"	7½"
31	B	6'-0"	5'-0"	2'-0"	12'-0"	6'-0"	6'-0"	6'-0"	6'-3"	8"
32	A	6'-0"	5'-0"	3'-0"	7'-8"	3'-6"	4'-2"	5'-0"	6'-3"	8½"
33	B	6'-0"	6'-0"	2'-0"	16'-0"	8'-0"	8'-0"	8'-0"	7'-3"	9"
34	A	6'-0"	6'-0"	3'-0"	7'-7"	3'-6"	4'-1"	6'-0"	7'-3"	10"

* Minimum head of water above Drop-Inlet to give box design discharge

REINFORCING STEEL

DESIGN NUMBER	All F Bars Size	All F Bars Spac.	F1 Bars Length	F1 Bars X	F1 Bars No.	F2 Bars Length	F2 Bars X	F2 Bars No.	F3 Bars Length	F3 Bars X	F3 Bars No.	F4 Bars Length	F4 Bars X	F4 Bars No.	F5 Bars Length	F5 Bars X	F5 Bars No.	F6 Bars Length	F6 Bars X	F6 Bars No.	H1 Bars ½" ø Length	H1 Bars ½" ø No.	H2 Bars ¾" ø Length	H2 Bars ¾" ø No.	H3 Bars ½" ø Length	H3 Bars ½" ø A	H3 Bars ½" ø B	H3 Bars ½" ø No.	H4 Bars ½" ø Length	H4 Bars ½" ø A	H4 Bars ½" ø B	H4 Bars ½" ø No.	H5 Bars ½" ø Length	H5 Bars ½" ø No.	H6 Bars ½" ø Length	H6 Bars ½" ø No.	T1 Bars Length	T1 Bars No.	T2 Bars No.	D Bars No.
1	5	12"	10'-0"	3'-5"	2				5'-1"	3'-5"	4				11'-6"	3'-5"	2				4'-9"	5"	4'-5"	4"	5'-1"	3½"	1'-0½"	2	6'-3"	1'-1½"	1'-0½"	2					4'-9"	4	4	4
2	6	12"	10'-0"	3'-5"	2				6'-1"	3'-5"	3				10'-2"	3'-5"	2				3'-4"	3"	3'-4"	4"													4'-9"	4	4	4
3	5	12"	10'-3"	3'-5"	2				6'-4"	3'-5"	4				12'-0"	3'-5"	2				5'-2"	5"	5'-2"	4"	5'-11"	5½"	1'-0½"	2	6'-2"	8½"	1'-0½"	2					4'-9"	5	5	5
4	6	12"	10'-0"	3'-5"	2				6'-1"	3'-5"	4				11'-4"	3'-5"	2				4'-6"	5"	4'-6"	4	5'-4"	5"	1'-0½"	2	5'-3"	6"	5'-5"	2					4'-9"	5	5	5
5	6	12"	12'-0"	3'-11"	4				7'-7"	3'-11"	4				14'-8"	3'-11"	3				6'-8"	6"	6'-8"	4	7'-4"	1'-3"	1'-0½"	3									4'-9"	5	5	5
6	6	12"	10'-0"	3'-11"	4				7'-1"	3'-11"	4				14'-4"	3'-11"	3				4'-6"	6"	4'-6"	4					6'-2"	3"	5'-11"	3					4'-9"	5	5	5
7	6	12"	14'-0"	4'-5"	7				9'-1"	4'-5"	4				17'-6"	4'-5"	5				8'-8"	6"	8'-8"	4	9'-4"	2'-1½"	1'-0½"	3	3'-9"	2'-6½"	1'-0½"	3					4'-9"	5	5	5
8	5	12"	13'-0"	4'-5"	2	6'-3"	2'-7"	3	13'-4"	4'-5"	2	9'-8"	2'-7"	3	4'-6"	6"	4'-6"	4											6'-8"	3"	6'-5"	3					4'-9"	5	5	5
9	6	12"	11'-0"	3'-5"	5				7'-1"	3'-5"	6				13'-6"	3'-5"	3				6'-8"	5"	6'-8"	4	6'-9"	6½"	1'-0½"	2	7'-2"	11½"	1'-0½"	2					4'-9"	6	6	6
10	5	12"	10'-0"	3'-5"	2				6'-1"	3'-5"	5				12'-6"	3'-5"	2				5'-9"	5"	5'-8"	4													4'-9"	6	6	6
11	6	12"	13'-0"	3'-11"	4				8'-7"	3'-11"	6				16'-6"	3'-11"	4				8'-8"	6"	8'-8"	4	8'-9"	1'-6½"	1'-0½"	3	3'-2"	1'-11½"	1'-0½"	3					4'-9"	6	6	6
12	6	12"	13'-0"	3'-11"	4				7'-1"	3'-11"	3	5'-11"	2'-9"	4	13'-5"	3'-11"	1	11'-2"	2'-9"	2	5'-8"	6"	5'-8"	4					6'-8"	3"	5'-11"	3	4'-9"	6	6	6
13	6	12"	15'-6"	4'-5"	9				10'-7"	4'-5"	6				20'-6"	4'-5"	7				11'-8"	6"	11'-8"	4	11'-9"	3'-0½"	1'-0½"	3	12'-2"	3'-5½"	1'-0½"	3					4'-9"	6	6	6
14	6	12"	13'-0"	4'-5"	2				8'-1"	4'-5"	4	5'-9"	2'-1"	5	14'-6"	4'-5"	2	3'-10"	2'-1"	3	5'-8"	6"	5'-8"	4					6'-8"	3"	6'-5"	3	4'-9"	6	6	6
15	6	14"	16'-2"	5'-5½"	4	10'-8"	2'-11⅞"	3	10'-3"	5'-5⅜"	5	7'-8"	2'-1⅛"	5	19'-8"	5'-5⅜"	3	14'-8"	2'-11⅞"	4	8'-9"	7"	8'-9"	4	8'-10"	1'-7"	1'-0"	4	9'-3"	2'-0"	1'-0"	4					4'-10"	7	7	7
16	6	14"	16'-2"	5'-5⅜"	2				10'-3"	5'-5⅜"	4	7'-8"	2'-1⅛"	5	16'-10"	5'-5⅜"	3	11'-4"	2'-11⅞"	4	5'-11"	7"	5'-11"	4					3'-1"	4"	7'-8"	4	4'-10"	7	7	7
17	6	14"	7'-6"	3'-9"	3				7'-10"	3'-5"	7				15'-3"	3'-5"	4				8'-2"	7"	8'-2"	4	7'-8"	8½"	1'-0½"	2	8'-1"	1'-1½"	1'-0½"	2					4'-9"	8	8	8
18	6	14"	10'-0"	3'-5"	2				6'-1"	3'-5"	6				14'-8"	3'-5"	2				6'-10"	5"	6'-10"	4					5'-8"	3"	5'-5"	2	4'-9"	8	8	8
19	6	15"	16'-6"	4'-5"	6	11'-9"	2'-1"	5	11'-7"	4'-7"	4	3'-3"	2'-1"	4	22'-6"	4'-5"	4	17'-10"	2'-1"	5	13'-8"	6"	13'-8"	4	13'-2"	3'-5½"	1'-0½"	3	13'-7"	3'-1½"	1'-0½"	3					4'-9"	8	8	8
20	6	15"	13'-0"	4'-5"	2				8'-1"	4'-5"	6	6'-0"	2'-4"	7	15'-8"	4'-5"	3	11'-6"	2'-4"	4	6'-10"	6"	6'-10"	4					6'-8"	3"	6'-5"	3	4'-9"	8	8	8
21	6	11"	16'-2"	5'-5⅜"	3	10'-10"	3'-0⅝"	2	10'-3"	5'-5⅜"	7	7'-10"	3'-0⅝"	7	18'-8"	5'-5⅜"	4	13'-10"	3'-0⅝"	5	7'-9"	7"	7'-9"	4	7'-0"	7"	1'-0"	4	8'-1"	1'-0"	1'-0"	4					4'-10"	8	8	8
22	6	13"	16'-6"	5'-6⅜"	2				10'-6"	5'-0⅜"	5	8'-0"	3'-0⅜"	7	18'-3"	5'-5⅜"	4	13'-3"	3'-0⅜"	5	7'-2"	7"	7'-2"	4					8'-3"	4"	7'-8"	4	4'-11"	8	8	8
23	6	14"	19'-3"	6'-7"	5	12'-8"	3'-4"	4	12'-7"	6'-7"	6	9'-4"	3'-4"	6	24'-2"	6'-7"	4	17'-8"	3'-4"	5	11'-0"	7"	11'-0"	4	10'-7"	2'-0½"	1'-0½"	4	11'-2"	2'-7½"	1'-0½"	4					4'-11"	8	8	8
24	6	14"	19'-10"	6'-7½"	2				12'-9"	6'-7⅝"	6	9'-8"	3'-6⅝"	7	20'-10"	6'-7½"	4	14'-3"	3'-6⅝"	5	7'-7"	7"	7'-7"	4					9'-3"	4"	8'-11"	4	5'-0"	8	8	8
25	6	12"	12'-3"	3'-5"	3				5'-4"	3'-5"	7				16'-0"	3'-5"	4				9'-2"	5"	9'-2"	4	8'-1"	8"	1'-0"	2	8'-6"	1'-0½"	1'-0½"	2					4'-9"	9	9	9
26	6	11"	14'-10"	3'-5"	2				6'-1"	3'-5"	8				14'-10"	3'-5"	2				8'-0"	5"	8'-0"	4					5'-8"	2"	5'-5"	2	4'-9"	9	9	9
27	6	18"	18'-0"	4'-5½"	7	13'-8"	2'-6"	6	13'-1"	4'-5"	5	11'-2"	2'-6"	5	25'-6"	4'-5"	5	21'-8"	2'-6"	6	16'-5"	6"	16'-8"	4	15'-7"	4'-5½"	1'-0"	3	16'-0"	4'-9½"	1'-0½"	3					4'-9"	9	9	9
28	6	12"	13'-0"	4'-5"	2				8'-1"	4'-5"	7	6'-1"	2'-5"	8	17'-1"	4'-5"	3	13'-1"	2'-5"	4	6'-3"	6"	6'-3"	4					6'-3"	3"	6'-1"	3	4'-9"	9	9	9
29	6	14"	16'-10"	5'-6"	3	11'-2"	2'-11"	2	10'-10"	5'-6"	7	8'-3"	2'-11"	7	20'-10"	5'-6"	4	15'-6"	2'-11"	5	9'-10"	7"	9'-10"	4	8'-10"	1'-8"	1'-0½"	4	9'-5"	1'-5"	1'-0"	4					4'-10"	9	9	9
30	6	12"	16'-6"	5'-6⅜"	2				10'-6"	5'-6⅜"	8	8'-0"	3'-0⅜"	9	19'-6"	5'-5⅜"	4	14'-6"	3'-0⅜"	5	8'-5"	7"	8'-5"	4					3'-3"	4"	7'-8"	4	4'-11"	9	9	9
31	6	11½"	20'-8"	5'-7"	7	14'-0"	3'-5"	6	13'-7"	6'-7"	8	10'-6"	3'-6"	8	26'-2"	6'-7"	6	20'-0"	3'-6"	7	13'-0"	7"	13'-0"	4	12'-0"	2'-5½"	1'-0½"	4	12'-7"	3'-0½"	1'-0½"	4					4'-11"	9	9	9
32	6	14"	13'-10"	6'-7½"	2				12'-9"	6'-7½"	7	9'-10"	3'-8½"	3	22'-0"	6'-7½"	4	16'-2"	3'-8½"	5	8'-9"	7"	8'-9"	4					9'-9"	4"	8'-11"	4	5'-0"	9	9	9
33	6	11½"	25'-0"	7'-8"	11	17'-5"	4'-3"	10	16'-10"	7'-8"	8	13'-5"	4'-3"	8	32'-6"	7'-8"	9	25'-8"	4'-3"	10	17'-2"	8"	17'-2"	4	16'-2"	4'-6"	1'-0"	5	16'-11"	5'-2½"	1'-0½"	5					5'-0"	9	9	9
34	6	12"	23'-4"	7'-9"	2				15'-1"	7'-9"	6	11'-6"	4'-2"	7	24'-5"	7'-9"	7	17'-3"	4'-2"	8	8'-11"	8"	8'-11"	4					11'-0"	5"	9'-10"	5	5'-7"	9	9	9

QUANTITIES

DESIGN NUMBER	Class A Conc. Cu. Yd.	Reinf. Steel Lbs	Pipe Hand Rail L.F.
1	1.12	136	14.0
2	0.86	116	11.3
3	1.24	151	15.5
4	1.05	141	13.7
5	1.89	218	20.0
6	1.26	167	14.7
7	2.90	313	26.0
8	1.50	189	15.7
9	1.70	199	20.0
10	1.23	165	16.0
11	2.64	284	26.0
12	1.47	197	17.0
13	4.29	444	35.0
14	1.73	228	18.0
15	3.53	514	26.2
16	2.57	379	20.5
17	2.20	253	24.5
18	1.42	198	18.3
19	5.30	534	41.0
20	1.96	298	20.3
21	3.10	417	24.2
22	3.24	488	23.0
23	6.44	936	32.7
24	5.04	705	25.8
25	2.56	286	27.5
26	1.60	227	20.7
27	7.00	694	50.0
28	2.25	338	23.2
29	4.25	610	29.3
30	3.75	559	25.5
31	7.97	1026	38.7
32	5.51	779	28.2
33	14.65	1675	51.0
34	8.05	1032	30.5

GENERAL NOTES

All construction and materials requirements shall be in accordance with the current standard specifications.

All exposed concrete edges shall have a ¾ Chamfer.

Pipe Handrail shall be placed on Drop-Inlets only when a quantity for that Item is included on the Summary Sheet.

Standard Steel Pipe painted two coats of aluminum paint may be used in place of galvanized drop pipe.

Welded Connections shall be used for Pipe Handrail. Welded connections shall be thoroughly cleaned of all loose scale, ground smooth and spot painted with two coats of aluminum paint.

Shop details for all pipe Handrail shall be submitted to the Bridge Engineer for approval before fabrication.

Unless otherwise specified, all exposed concrete surfaces shall have a finish in accordance with the current standard specifications.

RECORD ITEM	BY	DATE
DESIGN		
DETAIL		
TRACED		
CHECKED		
APPR'D	M.H.	1/53
SQUAD	WITHROW	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
OKLAHOMA CITY, OKLAHOMA

STANDARD REINF. CONC. DROP-INLETS FOR REINF. CONCRETE BOXES SKEWED 60° L.F & R.F 2'-0" x 2'-0" TO 6'-0" x 6'-0"

52

CBDI-IS4-11 L.F & R.F.

OLD