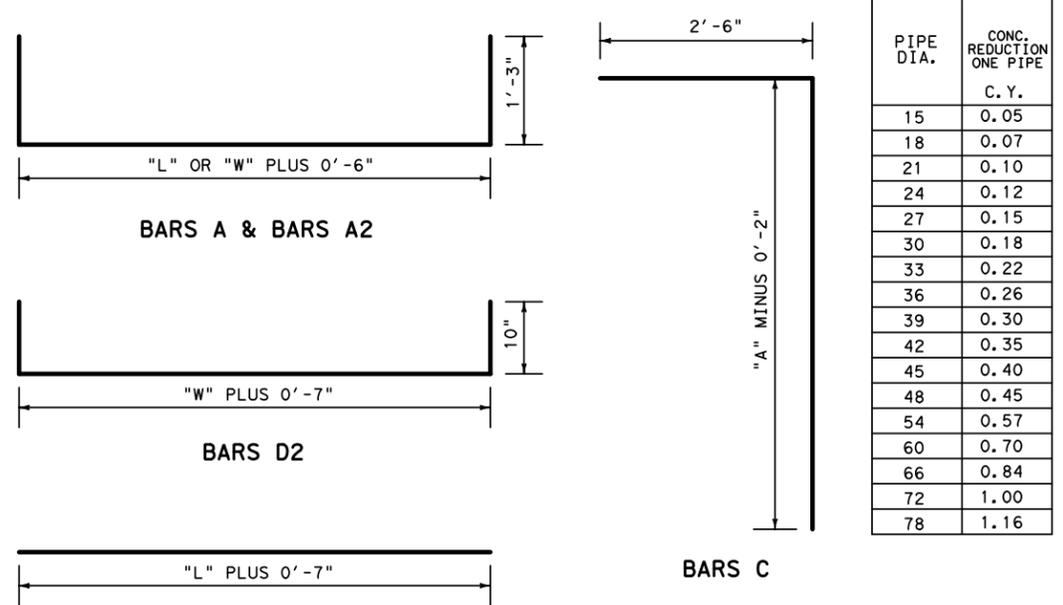


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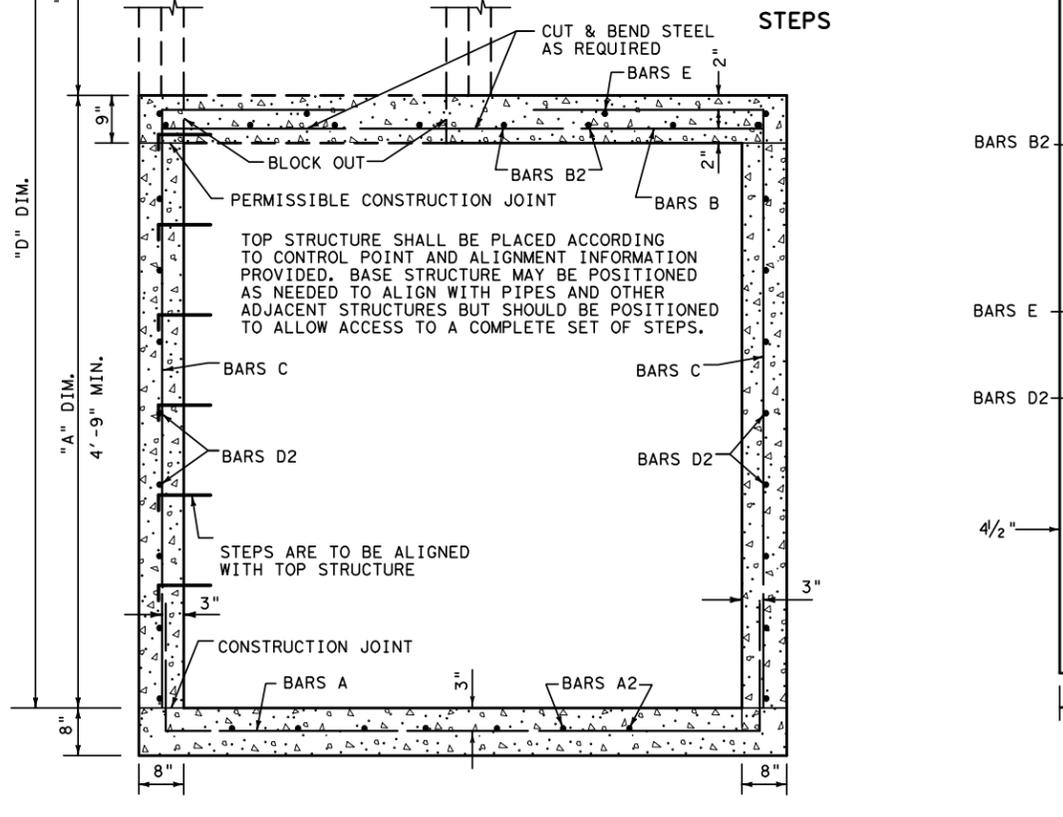
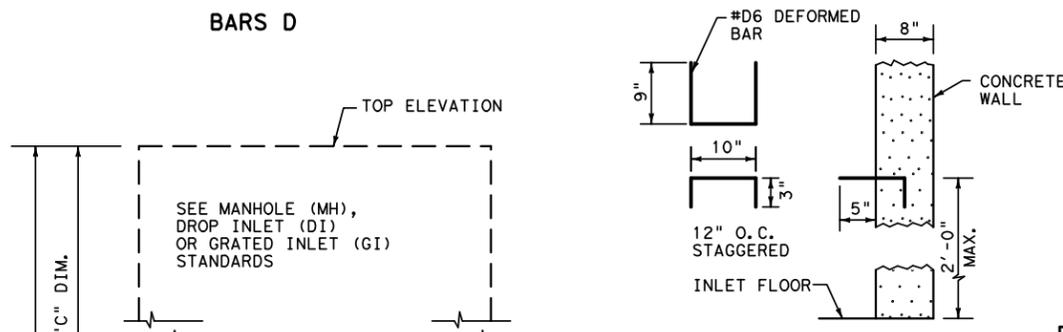
http://www.dot.state.tx.us/ftw/specinfo/standard.htm jb102fw.dgn

1	2	3	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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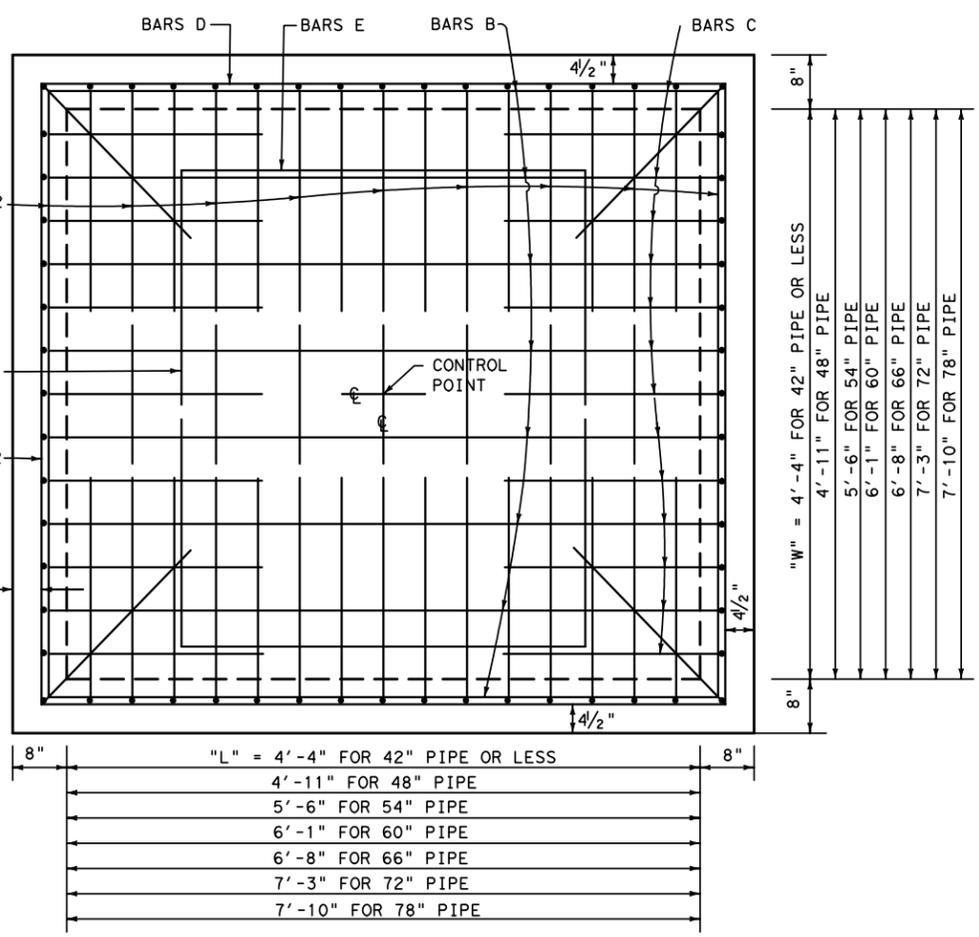


PIPE DIA.	CONC. REDUCTION ONE PIPE C. Y.
15	0.05
18	0.07
21	0.10
24	0.12
27	0.15
30	0.18
33	0.22
36	0.26
39	0.30
42	0.35
45	0.40
48	0.45
54	0.57
60	0.70
66	0.84
72	1.00
78	1.16

TABLE OF QUANTITIES WITH NO DEDUCTIONS FOR PIPES OR INLET OPENINGS																							
BILL OF #4 REINFORCING STEEL																							
MAX. PIPE DIA.	HEIGHT OF STR. "A"	LENGTH OF STR. "L"	WIDTH OF STR. "W"	STEPS # 6 ±		BARS A 12 ±		BARS A2 12 ±		BARS B 12 ±		BARS B2 12 ±		BARS C 6 ±		BARS D 12 ±		BARS D2 12 ±		BARS E ~	REINF. STEEL LB.	CLASS A CONC. * C. Y.	
				No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH				No.
42"	4'-9"	4'-4"	4'-4"	2	2'-10"	6	7'-4"	6	7'-4"	6	4'-10"	6	4'-10"	40	7'-1"	10	4'-11"	10	6'-7"	4	4'-10"	384	3.66
48"	5'-3"	4'-11"	"	3	"	"	7'-11"	7	"	"	5'-5"	"	"	42	7'-7"	"	5'-6"	"	"	"	"	430	4.21
54"	5'-9"	5'-6"	"	-	"	"	8'-6"	-	"	"	6'-0"	"	"	44	8'-1"	12	6'-1"	12	"	"	"	480	4.79
60"	6'-3"	6'-1"	"	4	"	"	9'-1"	8	"	"	6'-7"	"	"	46	8'-7"	"	6'-8"	"	"	"	"	528	5.40
66"	6'-9"	6'-8"	"	-	"	"	9'-8"	-	"	"	7'-2"	"	"	48	9'-1"	14	7'-3"	14	"	"	"	583	6.03
72"	7'-3"	7'-3"	"	5	"	"	10'-3"	9	"	"	7'-9"	"	"	50	9'-7"	"	7'-10"	"	"	"	"	640	6.70
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	52	10'-1"	16	8'-5"	16	"	"	"	695	7.39
48"	5'-3"	4'-11"	4'-11"	3	2'-10"	7	7'-11"	7	7'-11"	7	5'-5"	7	5'-5"	44	7'-7"	10	5'-6"	10	7'-2"	4	4'-10"	458	4.53
54"	5'-9"	5'-6"	"	-	"	"	8'-6"	-	"	"	6'-0"	"	"	46	8'-1"	12	6'-1"	12	"	"	"	506	5.14
60"	6'-3"	6'-1"	"	4	"	"	9'-1"	8	"	"	6'-7"	"	"	48	8'-7"	"	6'-8"	"	"	"	"	561	5.78
66"	6'-9"	6'-8"	"	-	"	"	9'-8"	-	"	"	7'-2"	"	"	50	9'-1"	14	7'-3"	14	"	"	"	618	6.45
72"	7'-3"	7'-3"	"	5	"	"	10'-3"	9	"	"	7'-9"	"	"	52	9'-7"	"	7'-10"	"	"	"	"	672	7.15
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	54	10'-1"	16	8'-5"	16	"	"	"	724	7.87
54"	5'-9"	5'-6"	5'-6"	3	2'-10"	7	8'-6"	7	8'-6"	7	6'-0"	7	6'-0"	48	8'-1"	12	6'-1"	12	7'-9"	4	4'-10"	532	5.50
60"	6'-3"	6'-1"	"	4	"	"	9'-1"	8	"	"	6'-7"	"	"	50	8'-7"	"	6'-8"	"	"	"	"	583	6.17
66"	6'-9"	6'-8"	"	-	"	"	9'-8"	-	"	"	7'-2"	"	"	52	9'-1"	14	7'-3"	14	"	"	"	642	6.87
72"	7'-3"	7'-3"	"	5	"	"	10'-3"	9	"	"	7'-9"	"	"	54	9'-7"	"	7'-10"	"	"	"	"	692	7.60
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	56	10'-1"	16	8'-5"	16	"	"	"	762	8.36
60"	6'-3"	6'-1"	6'-1"	4	2'-10"	8	9'-1"	8	9'-1"	8	6'-7"	8	6'-7"	52	8'-7"	12	6'-8"	12	8'-4"	4	4'-10"	616	6.55
66"	6'-9"	6'-8"	"	-	"	"	9'-8"	-	"	"	7'-2"	"	"	54	9'-1"	14	7'-3"	14	"	"	"	677	7.29
72"	7'-3"	7'-3"	"	5	"	"	10'-3"	9	"	"	7'-9"	"	"	56	9'-7"	"	7'-10"	"	"	"	"	734	8.05
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	58	10'-1"	16	8'-5"	16	"	"	"	801	8.84
66"	6'-9"	6'-8"	6'-8"	4	2'-10"	8	9'-8"	8	9'-8"	8	7'-2"	8	7'-2"	56	9'-1"	14	7'-3"	14	8'-11"	4	4'-10"	701	7.70
72"	7'-3"	7'-3"	"	5	"	"	10'-3"	9	"	"	7'-9"	"	"	58	9'-7"	"	7'-10"	"	"	"	"	760	8.50
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	60	10'-1"	16	8'-5"	16	"	"	"	827	9.32
72"	7'-3"	7'-3"	7'-3"	5	2'-10"	9	10'-3"	9	10'-3"	9	7'-9"	9	7'-9"	60	9'-7"	14	7'-10"	14	9'-6"	4	4'-10"	798	8.95
78"	7'-9"	7'-10"	"	-	"	"	10'-10"	-	"	"	8'-4"	"	"	62	10'-1"	16	8'-5"	16	"	"	"	868	9.80
78"	7'-9"	7'-10"	7'-10"	5	2'-10"	9	10'-10"	9	10'-10"	9	8'-4"	9	8'-4"	64	10'-1"	16	8'-5"	16	10'-1"	4	4'-10"	893	10.29



TYPICAL SECTION - LENGTH VIEW  
WIDTH VIEW SIMILAR



PLAN - TOP SLAB  
(BLOCK OUT NOT SHOWN)

NOTE:  
FOR 36" DIAMETER INLET OPENING DEDUCT 0.20 C.Y. CONCRETE.  
FOR 48" DIAMETER INLET OPENING DEDUCT 0.35 C.Y. CONCRETE.  
FOR 3' X 2' INLET OPENING DEDUCT 0.17 C.Y. CONCRETE.  
FOR 3' X 3' INLET OPENING DEDUCT 0.25 C.Y. CONCRETE.  
FOR 3'- 4" X 3' INLET OPENING DEDUCT 0.28 C.Y. CONCRETE.

- GENERAL NOTES:
1. ALL CONCRETE SHALL BE CLASS "A".
  2. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
  3. FIELD CUT AND BEND BARS AS REQUIRED TO ACCOMMODATE PIPES AND INLET EXTENSIONS.
  4. CONSTRUCTION JOINT AT FLOWLINE MAY BE RAISED A MAXIMUM OF 6" AT OPTION OF THE CONTRACTOR. ADJUST LENGTH OF VERTICAL STEEL AS REQUIRED WITH A 20 DIAMETER LAP.
  5. WHERE IT IS CONSIDERED NECESSARY, BARS CUT OUT TO PROVIDE OPENINGS FOR PIPE MAY BE BENT AND USED TO PROVIDE A BETTER TIE FOR EXTENSIONS AND PIPE AS DIRECTED BY THE ENGINEER.
  6. WHEN STRUCTURE IS COMBINED WITH UPPER STRUCTURE, THE STRUCTURE LOCATION SHOWN IN THE PLANS REFERS TO THE CONTROL POINT OF THE UPPER STRUCTURE. WHEN STRUCTURE IS NOT COMBINED WITH UPPER STRUCTURE, THE LOCATION SHOWN IN THE PLANS REFERS TO THE CONTROL POINT SHOWN ON THIS SHEET.
  7. WHEN USED WITH INLET OR MANHOLE, MEASURE AND PAY FOR JUNCTION BOX AND INLET OR MANHOLE SEPARATELY.

REVISIONS: 10/09-Added note to pay for inlet or manhole separately	Texas Department of Transportation FORT WORTH DISTRICT © 2002 by Texas Department of Transportation All Rights Reserved				
	JUNCTION BOX STRUCTURE TYPE 1 JB-1-02 (FW)				
ORIG DRAW DATE: 8/02	DESIGNER: CHECKED:	FED. REG. 6 TEXAS	STATE TEXAS	PROJ. NO.	HIGHWAY
	DRAWN: CHECKED:	DISTRICT FTW	COUNTY	CONTROL SECTION	JOB SHEET