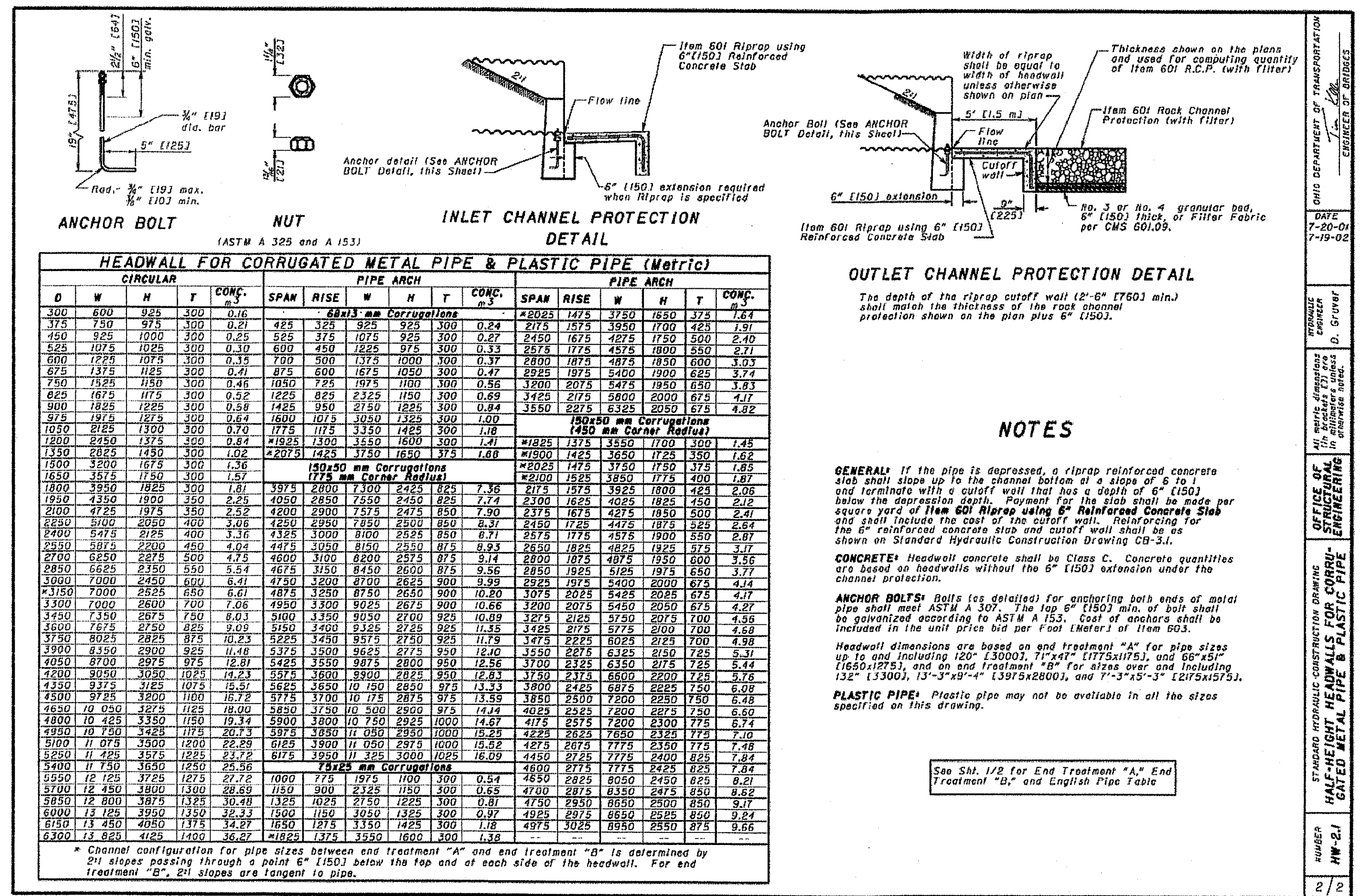


HEADWALL FOR CORRUGATED METAL PIPE & PLASTIC PIPE (English)

CIRCULAR				PIPE ARCH				PIPE ARCH				PIPE ARCH				
D	W	H	T	CONC. cu. yds.	SPAN	RISE	W	H	T	CONC. cu. yds.	SPAN	RISE	W	H	T	CONC. cu. yds.
12"	2'-0"	3'-0"	12"	0.21	17'	13'	3'-0"	3'-0"	12"	0.31	87'	63'	13'-0"	13'-0"	17'	2.50
15"	2'-6"	3'-2"	12"	0.27	17'	13'	3'-0"	3'-0"	12"	0.35	92'	67'	13'-0"	13'-0"	17'	2.50
18"	3'-0"	3'-4"	12"	0.33	17'	13'	3'-0"	3'-0"	12"	0.41	103'	71'	13'-0"	13'-0"	17'	2.50
21"	3'-6"	3'-6"	12"	0.39	17'	13'	3'-0"	3'-0"	12"	0.47	114'	75'	13'-0"	13'-0"	17'	2.50
24"	4'-0"	3'-8"	12"	0.46	17'	13'	3'-0"	3'-0"	12"	0.53	125'	79'	13'-0"	13'-0"	17'	2.50
27"	4'-6"	3'-8"	12"	0.53	17'	13'	3'-0"	3'-0"	12"	0.60	136'	83'	13'-0"	13'-0"	17'	2.50
30"	5'-0"	3'-9"	12"	0.60	17'	13'	3'-0"	3'-0"	12"	0.67	147'	87'	13'-0"	13'-0"	17'	2.50
33"	5'-6"	3'-10"	12"	0.68	17'	13'	3'-0"	3'-0"	12"	0.74	158'	91'	13'-0"	13'-0"	17'	2.50
36"	6'-0"	4'-0"	12"	0.76	17'	13'	3'-0"	3'-0"	12"	0.81	169'	95'	13'-0"	13'-0"	17'	2.50
39"	6'-6"	4'-0"	12"	0.84	17'	13'	3'-0"	3'-0"	12"	0.88	180'	99'	13'-0"	13'-0"	17'	2.50
42"	7'-0"	4'-3"	12"	0.92	17'	13'	3'-0"	3'-0"	12"	0.95	191'	103'	13'-0"	13'-0"	17'	2.50
48"	8'-0"	4'-6"	12"	1.10	17'	13'	3'-0"	3'-0"	12"	1.17	212'	111'	13'-0"	13'-0"	17'	2.50
54"	9'-3"	4'-9"	12"	1.33	17'	13'	3'-0"	3'-0"	12"	1.40	233'	119'	13'-0"	13'-0"	17'	2.50
60"	10'-6"	5'-6"	12"	1.58	17'	13'	3'-0"	3'-0"	12"	1.67	254'	127'	13'-0"	13'-0"	17'	2.50
66"	11'-9"	5'-9"	12"	2.06	17'	13'	3'-0"	3'-0"	12"	2.16	275'	135'	13'-0"	13'-0"	17'	2.50
72"	13'-0"	6'-0"	12"	2.37	17'	13'	3'-0"	3'-0"	12"	2.46	296'	143'	13'-0"	13'-0"	17'	2.50
78"	14'-3"	6'-3"	12"	2.84	17'	13'	3'-0"	3'-0"	12"	2.94	317'	151'	13'-0"	13'-0"	17'	2.50
84"	15'-6"	6'-6"	12"	3.30	17'	13'	3'-0"	3'-0"	12"	3.40	338'	159'	13'-0"	13'-0"	17'	2.50
90"	16'-9"	6'-9"	12"	4.00	17'	13'	3'-0"	3'-0"	12"	4.10	359'	167'	13'-0"	13'-0"	17'	2.50
96"	18'-0"	7'-0"	12"	4.40	17'	13'	3'-0"	3'-0"	12"	4.50	380'	175'	13'-0"	13'-0"	17'	2.50
102"	19'-3"	7'-3"	12"	5.28	17'	13'	3'-0"	3'-0"	12"	5.38	401'	183'	13'-0"	13'-0"	17'	2.50
108"	20'-6"	7'-6"	12"	6.21	17'	13'	3'-0"	3'-0"	12"	6.31	422'	191'	13'-0"	13'-0"	17'	2.50
114"	21'-9"	7'-9"	12"	7.29	17'	13'	3'-0"	3'-0"	12"	7.39	443'	199'	13'-0"	13'-0"	17'	2.50
120"	23'-0"	8'-0"	12"	8.40	17'	13'	3'-0"	3'-0"	12"	8.50	464'	207'	13'-0"	13'-0"	17'	2.50
126"	24'-3"	8'-3"	12"	9.64	17'	13'	3'-0"	3'-0"	12"	9.74	485'	215'	13'-0"	13'-0"	17'	2.50
132"	25'-6"	8'-6"	12"	11.00	17'	13'	3'-0"	3'-0"	12"	11.14	506'	223'	13'-0"	13'-0"	17'	2.50
138"	26'-9"	8'-9"	12"	12.48	17'	13'	3'-0"	3'-0"	12"	12.62	527'	231'	13'-0"	13'-0"	17'	2.50
144"	28'-0"	9'-0"	12"	14.00	17'	13'	3'-0"	3'-0"	12"	14.20	548'	239'	13'-0"	13'-0"	17'	2.50
150"	29'-3"	9'-3"	12"	15.68	17'	13'	3'-0"	3'-0"	12"	15.88	569'	247'	13'-0"	13'-0"	17'	2.50
156"	30'-6"	9'-6"	12"	17.40	17'	13'	3'-0"	3'-0"	12"	17.60	590'	255'	13'-0"	13'-0"	17'	2.50
162"	31'-9"	9'-9"	12"	19.26	17'	13'	3'-0"	3'-0"	12"	19.46	611'	263'	13'-0"	13'-0"	17'	2.50
168"	33'-0"	10'-0"	12"	21.24	17'	13'	3'-0"	3'-0"	12"	21.36	632'	271'	13'-0"	13'-0"	17'	2.50
174"	34'-3"	10'-3"	12"	23.34	17'	13'	3'-0"	3'-0"	12"	23.54	653'	279'	13'-0"	13'-0"	17'	2.50
180"	35'-6"	10'-6"	12"	25.56	17'	13'	3'-0"	3'-0"	12"	25.80	674'	287'	13'-0"	13'-0"	17'	2.50
186"	36'-9"	10'-9"	12"	27.90	17'	13'	3'-0"	3'-0"	12"	28.14	695'	295'	13'-0"	13'-0"	17'	2.50
192"	38'-0"	11'-0"	12"	30.36	17'	13'	3'-0"	3'-0"	12"	30.60	716'	303'	13'-0"	13'-0"	17'	2.50
198"	39'-3"	11'-3"	12"	32.94	17'	13'	3'-0"	3'-0"	12"	33.18	737'	311'	13'-0"	13'-0"	17'	2.50
204"	40'-6"	11'-6"	12"	35.64	17'	13'	3'-0"	3'-0"	12"	35.88	758'	319'	13'-0"	13'-0"	17'	2.50
210"	41'-9"	11'-9"	12"	38.46	17'	13'	3'-0"	3'-0"	12"	38.70	779'	327'	13'-0"	13'-0"	17'	2.50
216"	43'-0"	12'-0"	12"	41.40	17'	13'	3'-0"	3'-0"	12"	41.74	800'	335'	13'-0"	13'-0"	17'	2.50
222"	44'-3"	12'-3"	12"	44.56	17'	13'	3'-0"	3'-0"	12"	44.98	821'	343'	13'-0"	13'-0"	17'	2.50
228"	45'-6"	12'-6"	12"	47.84	17'	13'	3'-0"	3'-0"	12"	48.36	842'	351'	13'-0"	13'-0"	17'	2.50
234"	46'-9"	12'-9"	12"	51.24	17'	13'	3'-0"	3'-0"	12"	51.84	863'	359'	13'-0"	13'-0"	17'	2.50
240"	48'-0"	13'-0"	12"	54.76	17'	13'	3'-0"	3'-0"	12"	55.44	884'	367'	13'-0"	13'-0"	17'	2.50
246"	49'-3"	13'-3"	12"	58.40	17'	13'	3'-0"	3'-0"	12"	59.10	905'	375'	13'-0"	13'-0"	17'	2.50
252"	50'-6"	13'-6"	12"	62.16	17'	13'	3'-0"	3'-0"	12"	62.88	926'	383'	13'-0"	13'-0"	17'	2.50

* Channel configuration for pipe sizes between end treatment "A" and end treatment "B" is determined by 2:1 slopes passing through a point 6" [150] below the top and at each side of the headwall. For end treatment "B", 2:1 slopes are tangent to pipe.



HEADWALL FOR CORRUGATED METAL PIPE & PLASTIC PIPE (Metric)

CIRCULAR				PIPE ARCH				PIPE ARCH				PIPE ARCH				
D	W	H	T	CONC. m ³	SPAN	RISE	W	H	T	CONC. m ³	SPAN	RISE	W	H	T	CONC. m ³
300	600	925	300	0.16	5.18	3.96	0.91	0.91	0.31	0.24	26.52	18.29	3.30	3.30	0.74	1.64
375	750	975	300	0.21	4.25	3.25	0.92	0.92	0.30	0.24	27.75	19.50	3.30	3.30	0.74	1.91
450	900	1025	300	0.25	3.25	3.75	0.92	0.92	0.30	0.27	24.50	16.75	3.30	3.30	0.74	2.40
525	1075	1025	300	0.30	4.50	4.50	0.92	0.92	0.30	0.33	25.75	17.25	3.30	3.30	0.74	2.71
600	1225	1075	300	0.35	7.00	5.00	0.92	0.92	0.30	0.37	28.00	18.75	3.30	3.30	0.74	3.03
675	1375	1125	300	0.41	8.75	6.00	0.92	0.92	0.30	0.47	29.25	19.75	3.30	3.30	0.74	3.34
750	1525	1150	300	0.46	10.50	7.25	0.92	0.92	0.30	0.56	30.50	20.75	3.30	3.30	0.74	3.67
825	1675	1175	300	0.52	12.25	8.25	0.92	0.92	0.30	0.69	31.75	21.75	3.30	3.30	0.74	4.01
900	1825	1225	300	0.58	14.25	9.50	0.92	0.92	0.30	0.84	33.00	22.75	3.30	3.30	0.74	4.32
975	1975	1275	300	0.64	16.00	10.75	0.92	0.92	0.30	1.00	34.25	23.75	3.30	3.30	0.74	4.67
1050	2125	1300	300	0.70	17.75	12.00	0.92	0.92	0.30	1.16	35.50	24.75	3.30	3.30	0.74	5.01
1125	2275	1325	300	0.76	19.50	13.25	0.92	0.92	0.30	1.31	36.75	25.75	3.30	3.30	0.74	5.34
1200	2425	1375	300	0.84	21.25	14.50	0.92	0.92	0.30	1.47	38.00	26.75	3.30	3.30	0.74	5.67
1275	2575	1400	300	0.90	23.00	15.75	0.92	0.92	0.30	1.63	39.25	27.75	3.30	3.30	0.74	6.01
1350	2725	1425	300	0.96	24.75	17.00	0.92	0.92	0.30	1.79	40.50	28.75	3.30	3.30	0.74	6.34
1425	2875	1450	300	1.02	26.50	18.25	0.92	0.92	0.30	1.95	41.75	29.75	3.30	3.30	0.74	6.67
1500	3025	1475	300	1.08	28.25	19.50	0.92	0.92	0.30	2.11	43.00	30.75	3.30	3.30	0.74	7.01
1575	3175	1500	300	1.14	30.00	20.75	0.92	0.92	0.30	2.27	44.25	31.75	3.30	3.30	0.74	7.34
1650	3325	1525	300	1.20	31.75	22.00	0.92	0.92	0.30	2.43	45.50	32.75	3.30	3.30	0.74	7.67
1725	3475	1550	300	1.26	33.50	23.25	0.92	0.92	0.30	2.59	46.75	33.75	3.30	3.30	0.74	8.01
1800	3625	1575	300	1.32	35.25	24.50	0.92	0.92	0.30	2.75	48.00	34.75	3.30	3.30	0.74	8.34
1875	3775	1600	300	1.38	37.00	25.75	0.92	0.92	0.30	2.91	49.25	35.75	3.30	3.30	0.74	8.67
1950	3925	1625	300	1.44	38.75	27.00	0.92	0.92	0.30	3.07	5					