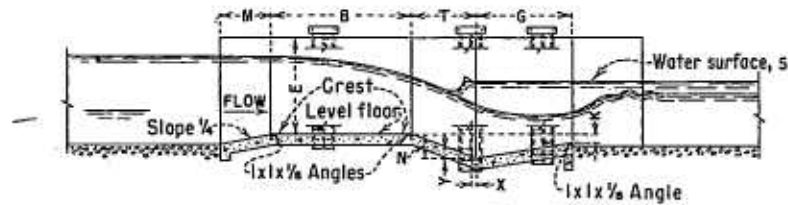


PLAN



SECTION L-L

Figure 19.—Parshall flume dimensions. (Sheet 1 of 2.) 103-D-870. (Courtesy U.S. Soil Conservation Service.)

W	A	S/A ²	B	C	D	E	T	G	H	K	M	N	P	R	X	Y	Z	FREE-FLOW CAPACITY		
																		MINIMUM	MAXIMUM	
0	1	2	0	9	1	2	0	3	0	8	0	8	0	1	0	1	0	0	.01	0.19
2	1	4	1	10	1	4	0	10	10	10	1	1	1	1	1	1	1	1	.02	.47
3	1	6	1	11	1	6	0	11	11	11	1	1	1	1	1	1	1	1	.03	1.13
0	6	2	1	4	2	0	1	3	1	3	2	0	1	0	0	4	2	1	.05	3.9
9	2	10	1	11	2	10	1	3	1	10	2	6	1	0	1	6	1	2	.09	8.9
1	0	4	6	3	0	4	4	2	0	2	9	3	0	2	0	3	0	2	.11	16.1
1	6	4	9	3	2	4	7	2	6	3	4	3	0	2	0	3	0	2	.15	24.6
2	0	5	0	3	4	4	10	3	0	3	11	3	3	0	2	0	3	0	.42	33.1
3	0	5	6	3	8	5	4	4	0	5	1	2	3	0	2	0	3	0	.61	50.4
4	0	6	0	4	0	5	10	5	0	6	4	3	0	2	0	3	0	2	1.3	67.9
5	0	6	6	4	4	6	4	1	6	0	7	6	3	0	2	0	3	0	1.6	85.6
6	0	7	0	4	8	6	10	7	0	8	9	3	0	2	0	3	0	2	2.6	103.5
7	0	7	6	5	0	7	4	8	0	9	11	3	2	0	2	3	0	2	3.0	121.4
8	0	8	0	5	4	7	10	9	0	11	12	3	0	2	0	3	0	2	3.5	139.5
10	0	-	6	0	14	0	15	7	4	0	3	0	6	0	-	0	6	-	6	200
12	0	-	6	8	16	0	14	8	18	4	5	0	3	0	8	0	-	1	0	350
15	0	-	7	8	25	0	18	4	25	0	6	0	4	0	10	0	-	1	0	600
20	0	-	9	4	25	0	24	0	30	0	7	0	6	0	12	0	-	1	0	1000
25	0	-	11	0	25	0	29	4	35	0	7	0	6	0	13	0	-	1	0	1500
30	0	-	12	8	26	0	34	8	40	4	7	0	6	0	14	0	-	1	0	2000
40	0	-	16	0	27	0	45	4	50	9	7	0	6	0	16	0	-	1	0	3000
50	0	-	19	4	27	0	56	8	60	9	7	0	6	0	20	0	-	1	0	3000

1/ Tolerance on throat width (w) ± 1/64 inch; tolerance on other dimensions ± 1/32 inch. Sidewalls of throat must be parallel and vertical.

2/ From Colorado State University Technical Bulletin No. 61.

3/ From U.S. Department of Agriculture Soil Conservation Circular No. 543.

4/ From Colorado State University Bulletin No. 426-A.

5/ For flumes 10 to 50 feet the position of head gage is computed by equation $2/31 \frac{W}{2} + 4$.

Figure 19.—Parshall flume dimensions. (Sheet 2 of 2.) 103-D-861.