DRG. 51 B

TABLE

Showing number of 2 and 3 way fire hydrants to open in order to produce a velocity of 6 feet per second in different sized mains at various pressures. The following pressures must show with the hydrants open wide.

Size Main	G.P.M.	10 lbs.		20 lbs.		30 lbs.		40 lbs.		50 lbs.		60 lbs.		70 lbs.		80 lbs.		90 lbs.		100 lbs.	
		2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W	2 W	3 W
4	234	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps	1-$\frac{3}{4}$"	Taps
6	528	1		1																	
8	938		1			1		1		1		1		1		1					
10	1472	2			1		1		1									1		1	
12	2115			2		2					1		1		1		1		1		1
14	2860	3	2					2		2		2		2		2		2		2	
16	3750	4		3		3															
18	4745	5	3	4	2			3	2	3	2	3		3		3		3		3	
20	5860	7		5		4	2														
22	7115	8	4	6	3	5		4		4	2	4	2	4	2	4	2	4	2	4	2
24	7920	9		7				5													
26	9940	11	5	8	4	6	3			5		5		5		5		5		5	
28	11480	12	6	9		7		6	3	6	3										
30	13180	14		10	5	8	4	7		7		6	3	6	3	6	3	6	3	6	3
32	15040	16	7	12		9		8	4		4	7									
2	60	4-$\frac{3}{4}$" taps		3-$\frac{3}{4}$" taps		3-$\frac{3}{4}$" taps		3-$\frac{3}{4}$" taps		3-$\frac{3}{4}$" taps		3-$\frac{3}{4}$" taps		2-$\frac{3}{4}$" taps		2-$\frac{3}{4}$" taps		2-$\frac{3}{4}$" taps		2-$\frac{3}{4}$" taps	

2 Way Hydrants = 2-2$\frac{1}{2}$" openings @ 4.9 sq. in. Total = 9.8 sq. in. 3 Way Hydrant = 2-2$\frac{1}{2}$" Openings and 1-4" opening @ 12.5 sq. in. Total = 22.3 sq. in.

Trim here for Plat Books

MICROFILMED FEB 1 1963

DATE Nov. 3, 1915

SCALE

DRAWING NUMBER 51 B

CITY OF SAN DIEGO--OPERATING DEPARTMENT

TABLE OF HYDRANT STREAMS FOR FLUSHING MAINS.

DRAWN BY E.A. TEALE

CHECKED BY "

FIELD BOOKS "

Eugene Sumner CITY ENGINEER

J. L. Bacon MGR. OF OPERATION