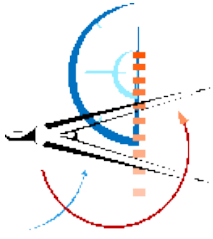


Appendix P

Fire Flow Results



VILLAGE OF COLD SPRING

WATER MAIN CLEANING/CEMENT LINING PROJECT

COMPARISON OF FIRE FLOW TEST RESULTS

Ronald J. Gainer, PE, PLLC

Test No.	Residual Hydrant Location	March 2012 Fire Flow (FF) Test Results				October/November 2013 Fire Flow (FF) Test Results				%age improvement in FF delivery at 20 psi
		static pressure, psi	residual (flowing) pressure, psi	Flow during test (gpm)	Flow available at 20 psi (gpm)	static pressure, psi	residual (flowing) pressure, psi	Flow during test (gpm)	Flow available at 20 psi (gpm)	
1	NYS Route 301, at Fishkill Road	68	40	940	1260	68	55	1070	2170	172%
2	NYS Route 301, at Peekskill Road	58	28	620	710	60	40	1000	1460	206%
3	NYS Route 301, at Cedar Street	58	28	740	850	52	27	1030	1180	139%
4	NYS Route 301, at Route 9D	93	37	910	1060	96	65	1010	1640	155%
5	Main Street at MN Railroad Tracks	130	70	570	800	94	88	650	2530	316%
6	Chestnut Street, at former Hospital parking lot entrance	70	5	690	600	83	22	860	880	147%
7	Pine Street, at Paulding Street	67	21	460	470	74	49	520	790	168%
8	Fair Street, at Northern Avenue	116	8	510	480	83	37	920	1100	229%