



Flow Comparisons

Comparison between a new pipe and a rehabilitated pipe

Diameter		Hazen Williams Coefficient (C)	Flow for new pipe (m ³ /s)	Thickness of Liner (mm)	Resulting internal diameter (m)	Hazen Williams coefficient (C)	Flow for rehabilitated pipe (m ³ /s)	% Loss
(m)	(in)							
0.15	6	140	0.27	2	0.146	140	0.25	-6.86
0.20	8	140	0.57	2	0.196	140	0.54	-5.17
0.30	10	140	1.02	2	0.246	140	0.98	-4.15
0.40	12	140	1.65	2.5	0.295	140	1.57	-4.32

Comparison between old pipe and a rehabilitated pipe

Old Pipe Diameter		Hazen Williams Coefficient (C)	Flow for old pipe (m ³ /s)	Thickness of Liner (mm)	Old Pipe diameter (m)	Hazen Williams coefficient (C)	Flow for rehabilitated pipe (m ³ /s)	% Increase
(m)	(in)							
0.13	6	60	0.08	2	0.146	140	0.25	216.63
0.18	8	60	0.18	2	0.196	140	0.54	191.91
0.23	10	60	0.35	2	0.246	140	0.98	178.48
0.27	12	60	0.53	2.5	0.295	140	1.57	194.52