

4591-2: Serenity Acres Lot 6
REQUIRED TOTAL DYNAMIC HEAD CALCULATION SHEET

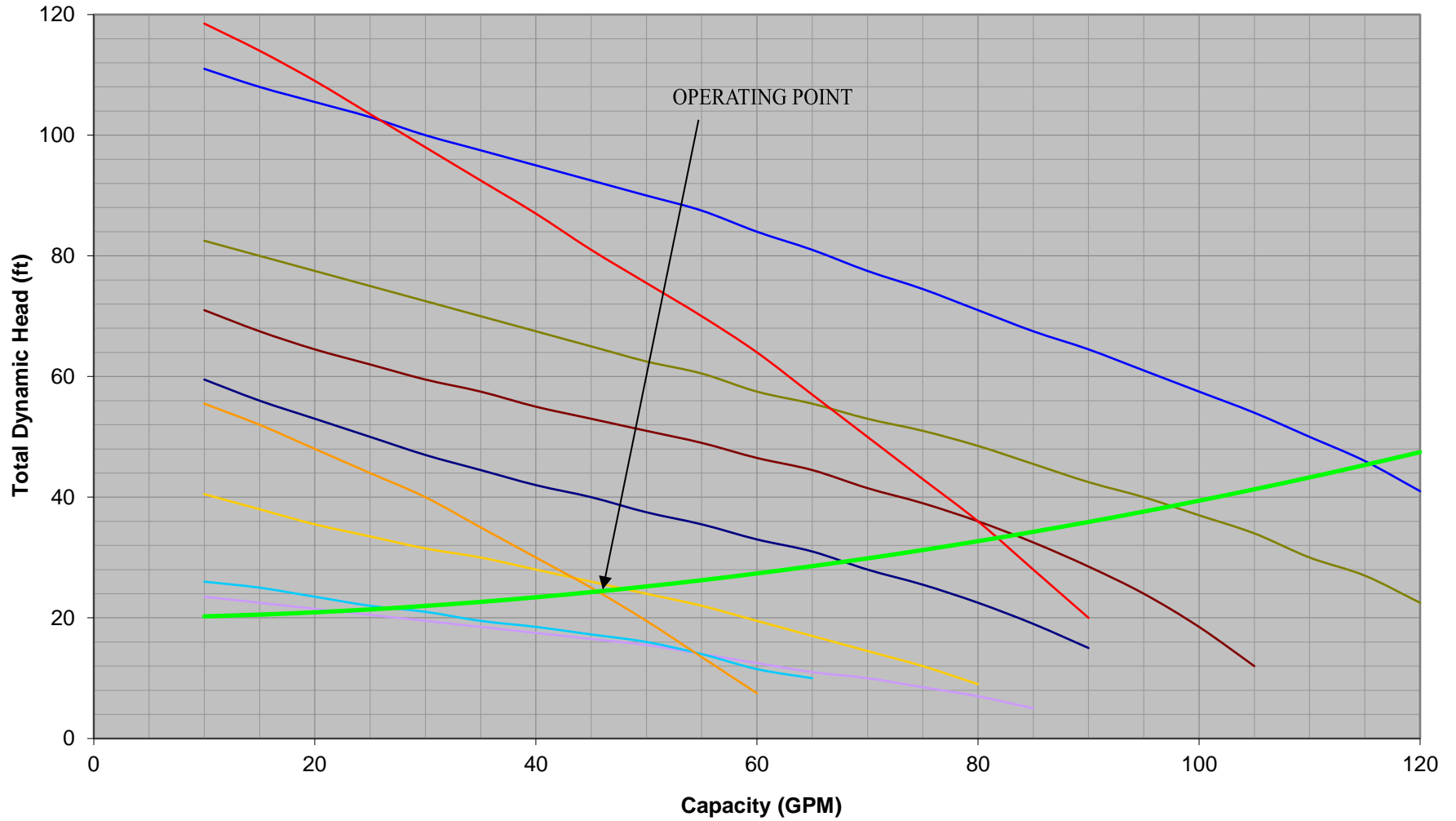
FM DIAMETER	2 IN.	0.2 FT.
FM LENGTH	165 FT.	
STATIC HEAD	20 FT.	
90 ELBOWS	5	
45 ELBOWS	8	
LF OF TRENCH	440 FT.	

DOSE VOLUME (GALLONS)
242.3514177

GPM	FT ³ /S	VELOCITY (FT/S)	S (FRICTION LOSS PER FOOT)	TOTAL FRICTION LOSS (FT)	PIPE BEND LOSS (FT)	TOTAL HEAD LOSS (FT)	TOTAL DYNAMIC HEAD REQUIRED (FT)
10	0.0223	0.7092	0.0011	0.18	0.06	0.25	20.25
15	0.0334	1.0638	0.0024	0.39	0.14	0.53	20.53
20	0.0446	1.4184	0.0040	0.66	0.26	0.92	20.92
25	0.0557	1.7730	0.0061	1.00	0.40	1.40	21.40
30	0.0668	2.1276	0.0085	1.40	0.58	1.98	21.98
35	0.0780	2.4822	0.0113	1.86	0.78	2.65	22.65
40	0.0891	2.8368	0.0145	2.39	1.02	3.41	23.41
45	0.1003	3.1914	0.0180	2.97	1.30	4.26	24.26
50	0.1114	3.5460	0.0219	3.61	1.60	5.21	25.21
55	0.1225	3.9006	0.0261	4.30	1.94	6.24	26.24
60	0.1337	4.2552	0.0306	5.05	2.31	7.36	27.36
65	0.1448	4.6098	0.0355	5.86	2.71	8.57	28.57
70	0.1560	4.9644	0.0408	6.72	3.14	9.86	29.86
75	0.1671	5.3190	0.0463	7.64	3.60	11.24	31.24
80	0.1782	5.6736	0.0522	8.61	4.10	12.71	32.71
85	0.1894	6.0282	0.0584	9.63	4.63	14.26	34.26
90	0.2005	6.3828	0.0649	10.71	5.19	15.90	35.90
95	0.2117	6.7374	0.0717	11.84	5.78	17.62	37.62
100	0.2228	7.0920	0.0789	13.02	6.40	19.42	39.42
105	0.2339	7.4466	0.0863	14.25	7.06	21.31	41.31
110	0.2451	7.8012	0.0941	15.53	7.75	23.28	43.28
115	0.2562	8.1558	0.1022	16.86	8.47	25.33	45.33
120	0.2674	8.5104	0.1106	18.24	9.22	27.47	47.47

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Goulds Effluent Pump Model 3885



WE03L WE03M WE05H WE05HH WE07H WE10H WE15H WE20H WE15HH Required TDH