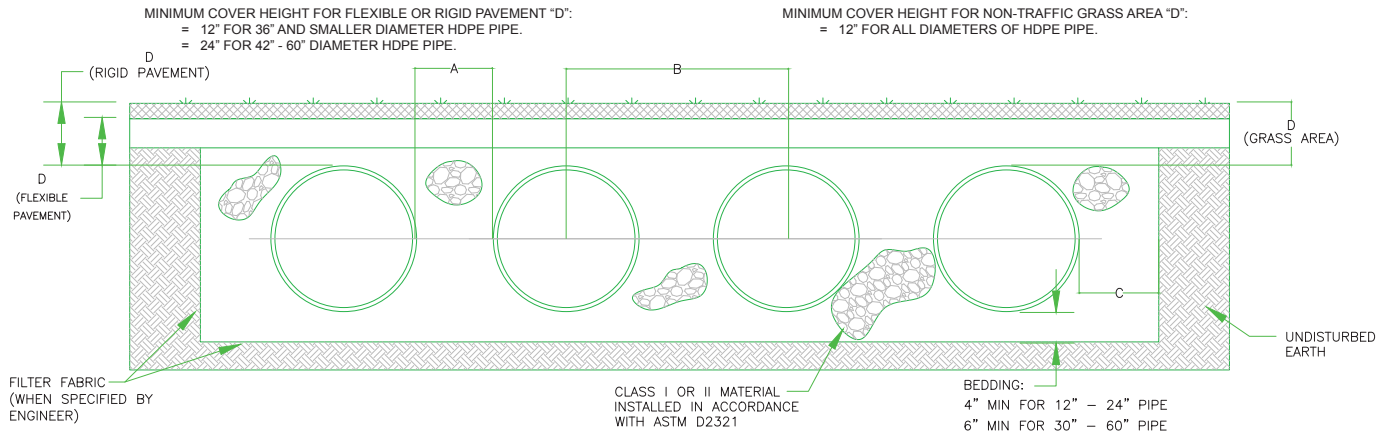


TYPICAL RETENTION/DETENTION CROSS SECTION



*PLEASE CONTACT A REPRESENTATIVE FOR INSTALLATION CONSIDERATIONS WHEN FILL HEIGHTS EXCEED THE MAXIMUM 8' OF COVER OVER FITTINGS.

*FOR 60" DIAMETER APPLICATIONS, CLASS 1 BACKFILL IS REQUIRED AROUND FITTINGS.

STORAGE CAPACITIES OF MAXFLO

Nominal Inside Diameter	Average Outside Diameter	"A" Spacing ^A	"B" Spacing ^A	"C" Spacing	Pipe Volume ^B	Stone Void Volume ^C	Total Retention Storage	Retention Surface Area Required	Detention Surface Area Required
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	ft ³ /ft (m ³ /m)	ft ³ /ft (m ³ /m)	ft ³ /ft (m ³ /m)	ft ² /ft ³ (m ² /m ³)	ft ² /ft ³ (m ² /m ³)
12 (300)	14.5 (368)	10.9 (280)	25.4 (650)	8 (210)	0.81 (0.07)	0.84 (0.08)	1.65 (0.15)	1.3 (4.2)	2.7 (8.6)
15 (375)	18 (457)	10.9 (280)	28.9 (750)	8 (210)	1.2 (0.11)	1.1 (0.10)	2.3 (0.21)	1.1 (3.5)	1.97 (6.4)
18 (450)	21 (533)	13 (330)	35.3 (900)	9 (230)	1.8 (0.16)	1.4 (0.13)	3.2 (0.29)	0.93 (3.0)	1.6 (5.4)
24 (600)	28 (711)	13.4 (340)	41.4 (1050)	10 (260)	3.1 (0.29)	2.0 (0.18)	5.1 (0.47)	0.68 (2.2)	1.1 (3.6)
30 (750)	36 (914)	18.5 (470)	53.1 (1350)	18 (460)	4.9 (0.46)	3.1 (0.28)	8.0 (0.74)	0.55 (1.8)	0.90 (3.0)
36 (900)	42 (1067)	21 (530)	63.0 (1600)	18 (460)	7.1 (0.66)	4.2 (0.39)	11.3 (1.05)	0.47 (1.5)	0.74 (2.4)
42 (1050)	48 (1219)	24 (610)	72 (1830)	18 (460)	9.2 (0.87)	5.8 (0.53)	15.0 (1.40)	0.40 (1.3)	0.65 (2.1)
48 (1200)	54 (1372)	28 (711.2)	78.5 (2000)	18 (460)	12.4 (1.15)	6.7 (0.62)	19.1 (1.77)	0.34 (1.1)	0.53 (1.7)
60 (1500)	67 (1702)	40 (1016)	107 (2718)	18 (460)	19.3 (1.79)	8.5 (0.78)	27.8 (2.57)	0.27 (0.89)	0.39 (1.3)

Typical cross section used in volume calculations. Bedding depth assumed 4" for 12"-24" pipe and 6" for 30"-60" pipe.

Stone Porosity assumed 40%.

Stone height above pipe crown not included in void volume calculations.

Calculation is based on the average outside diameter of the pipe.

For Perforated Systems Follow Engineers Recommendation for Aggregate Size.