

**PLUMBING & DRAINAGE INSTITUTE
UNIFORM
INTERCEPTOR SIZING WORKSHEET ©**

PIPE DIAMETER & SLOPE METHOD ¹:

*When Fixture Capacity is Not Known

DATE : _____

JOB NAME: _____ ; DRAFTER: _____ .

PIPE DIAMETER	SLOPE (Inches drop per foot of run)	GPM	PDI INTERCEPTOR RATING	NOM. GRAVITY INTERCEPTOR VOLUME **
2.0	.120	13.75	15 GPM	400 GAL.
	.240	19.44	20 GPM	600 GAL.
3.0	.120	41.49	50 GPM	1,250 GAL.
	.240	58.67	75 GPM	1,750 GAL.
4.0	.120	88.93	100 GPM	2,750 GAL.
	.240	125.77 *		3,750 GAL.
5.0	.120	162.46 *		5,000 GAL.
	.240	229.75 *		7,000 GAL.
6.0	.120	265.50 *		8,000 GAL.
	.240	375.47 *		11,000 GAL.

* High Velocity Combined Flows And Long Runs Will Result In Mechanical Emulsification Of FOG, Preventing Efficient Separation.

** GPM Multiplied by 30 Mins. Retention Time

¹ Based Upon Full Pipe Flow; Mannings formula with friction factor N=.012 as published by Cast Iron Soil Pipe Institute (CISPI)