PWEagle

TECHNICAL BULLETIN

DESIGN **TB-D7**

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Burial-Depth Charts for PVC Stormdrain Pipe Series 14 and 28

These burial-depth charts were developed using standard industry practices for predicting diametric deflection. The burial depths provided are based on the industry recommendation for the maximum deflection of gravity-flow PVC sewer pipe of 7½%. These charts do not apply for other values of deflection. The burial depths in these charts assume proper installation procedures.

Further information on this topic can be found in the following resources:

- PWEagle Technical Bulletin "Depth of Burial for PVC Pipe"
- PWEagle Technical Bulletin "PVC Pipe Trench Construction"
- PWEagle "Installation Guide: PVC Sewer Pipe"
- Uni-Bell "Handbook of PVC Pipe"

Applicability

PVC Series 14 and 28 Stormdrain Pipes

- Series 14 pipe is SDR 51 PIP pipe - Series 28 pipe is SDR 41 PIP pipe

SERIES 14

Soil Class[1]:	Compaction (% Proctor):	E' Value (psi)[2]:	Maximum Burial (ft)[3]:	Minimum Burial (ft)[4]:
I	>95%	3,000	50+[5]	1
	85%-95%	3,000	50+[5]	1
	<85%	3,000	50+[5]	1
	Loose	1,000	50+[5]	1
II	>95%	3,000	50+[5]	1
	85%-95%	2,000	50+[5]	1
	<85%	1,000	50+[5]	1
	Loose	200	13	2
III	>95%	2,000	50+[5]	1
	85%-95%	1,000	50+[5]	1
	<85%	400	24	1
	Loose	100	7	3
IV	>95%	1,000	50+[5]	1
	85%-95%	400	24	1
	<85%	200	13	2
	Loose	50	NOT RECOMMENDED	
V	NOT RECOMMENDED			

SERIES 28

Soil Class[1]:	Compaction (% Proctor):	E' Value (psi)[2]:	Maximum Burial (ft)[3]:	Minimum Burial (ft)[4]:
I	>95%	3,000	50+[5]	1
	85%-95%	3,000	50+[5]	1
	<85%	3,000	50+[5]	1
	Loose	1,000	50+[5]	1
II	>95%	3,000	50+[5]	1
	85%-95%	2,000	50+[5]	1
	<85%	1,000	50+[5]	1
	Loose	200	15	2
III	>95%	2,000	50+[5]	1
	85%-95%	1,000	50+[5]	1
	<85%	400	26	1
	Loose	100	9	2
IV	>95%	1,000	50+[5]	1
	85%-95%	400	26	1
	<85%	200	15	2
	Loose	50	NOT RECOMMENDED	
V	NOT RECOMMENDED			