

Drop Pipe Inlet Design Information Sheet

1. Watershed area	_____ ha	_____ ac
2. Average grade of watershed	_____ %	
3. Runoff curve number from Table 2.2 – 2.4	_____	
4. Peak flow from watershed for a 10-year storm from Table 2.5-M to 2.11-M (2.5-I to 2.11-I)	_____ m ³ /s	_____ ft ³ /s
5. Drop pipe fall (top elevation – bottom elevation)	_____ m	_____ ft
6. Horizontal distance to complete fall	_____ m	_____ ft
7. Type of drop pipe inlet – Section 4.3.2. Fill out applicable section below (A/B/C)		

A. Drop pipe structure

Number of units	_____	
Head of water over horizontal pipe	_____ m	_____ ft
Horizontal pipe diameter – Table 4.15-M (4.15-I)	_____ mm	_____ in.
Vertical pipe diameter – Table 4.16-M (4.16-I)	_____ mm	_____ in.
Berm height (min. 450 mm (18 in.) + freeboard 300 mm (12 in.))	_____ mm	_____ in.

B. Sloped pipe structure

Number of units	_____	
Slope of pipe (>2.5%) $\frac{\text{_____ m (_____ ft) fall}}{\text{_____ m (_____ ft) length}} \times 100 = \text{_____ \%}$	_____ %	
Diameter of sloped pipe – Table 4.17-M (4.17-I)	_____ mm	_____ in.
Berm height (pipe diameter + freeboard 300 mm (12 in.))	_____ mm	_____ in.

C. Small capacity riser pipe

Number of units	_____	
Slope of horizontal pipe	_____ %	
Diameter of horizontal pipe – Table 4.18-M (4.18-I)	_____ mm	_____ in.
Riser pipe diameter – Table 4.19-M to 4.20-M (4.19-I to 4.20-I)	_____ mm	_____ in.
Orifice plate required – Table 4.21-M to 4.22-M (4.21-I to 4.22-I)	<input type="checkbox"/> No <input type="checkbox"/> Yes	diameter _____ mm
Berm height (depth of water + freeboard (minimum 0.15 m (6 in.))	_____ mm	_____ in.

8. Anti-seepage collars required – Section 4.3.2	<input type="checkbox"/> No <input type="checkbox"/> Yes			
Number of collars	_____			
Diameter required	_____ mm		_____ in.	
Distance from drop pipe	1 st collar		2 nd collar	
	_____ m	_____ ft	_____ m	_____ ft
9. Inlet grate - spacing of bars on inlet grate (refer to Section 4.3.2)	_____ mm		_____ in.	
10. Horizontal or sloped pipe	_____ m		_____ ft	

11. Enter other dimensions on sketches (Figures 4.11 – 4.13).