

Discussion No. 16 – Storm Drainage Systems

Example Questions

1. Determine the number of roof drains required for ideal drainage for a roof area that is 200 ft x 1500 ft located in Reno, Nevada. Round drain number up to the next whole number.

A. Use the handout **Roof Drain to Roof Area Sizing Schedule**

Calculate the Roof Area

Rainfall = _____

Calculate the number of 5" Roof Drains

Calculate the Number of 8" Roof Drains

B. Use **2016 CPC Appendix D – Table D 101.1 and Table 1101.12**

Rainfall = _____

Calculate the number of 5" Roof Drains

Calculate the Number of 8" Roof Drains

2. For the BMP shown below answer the following:



What is the BMP called? _____

What BMP objectives does it address?

What is the Standard Symbol used on site drawings? _____

3. For the BMP shown below answer the following:



What is the BMP called? _____

What BMP objectives does it address?

What is the Standard Symbol used on site drawings? _____

4. Using the Web site www.usclimatedata.com complete the following:

City	Happy Camp
State	California
Total Annual Rainfall (inches)	
Average per month (inches)	
Highest Month (inches)	

If rainfall is collected from a 5500 square foot roof in your city determine the following:
Average Volume of Runoff that can be Captured

Highest Month Volume of Runoff that can be captured