## CMGT 235 – Electrical and Mechanical Systems

Department of Construction Management ® California State University, Chico

Homework #16
Points: 20
Due: 10/18/2022
Name:
<ol> <li>Determine the number of roof drains required for ideal drainage for a roof area that has a width of 240 fee and a length of 570 feet located in Little Rock, Arkansas. Round drain number up to the next whole number A. Use the handout Roof Drain to Roof Area Sizing Schedule         Calculate the Roof Area     </li> </ol>
Rainfall =
Calculate the number of 5" Roof Drains
Calculate the Number of 8" Roof Drains
B. Use <b>2016 CPC Appendix D – Table D 101.1 and Table 1101.12</b>
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?

4.	Using the We	b site www	usclimatedata.cor	n complete the	following:
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City	Portland
State	Oregon
Total Annual Rainfall (inches)	
Average per month (inches)	
Highest Month (inches)	

If rainfall is collected from a 12,500 square foot roof determine the following: Average Volume of Runoff that can be Captured

Highest Month Volume of Runoff that can be captured