**BMP L602.b - Roof Downspout Drywell Sizing for Minimum Requirement #5 – The List Approach**

# The minimum rock volume and dry well rock layer height are based upon the soil type in the location of the drywell. The soils report will provide the USDA Soil Type. The table below provides the volume of washed rock and height of washed rock required. Roof downspout dry wells shall be designed in accordance with the SWMM and Green Stormwater Infrastructure Typical Detail Figure 002 – Downspout Infiltration Drywell. Drywells shall be 48” in diameter minimum.

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| --- | --- | --- |
| USDA Soil Type | Volume of Washed Rock (ft3) | Drywell Rock Layer Height |
| “Coarse Sand” (more than 50% of sand fraction remains on #4 sieve) | 60 | 4’9” |
| “Medium Sand” (more than 50% of sand fraction remains on #40 sieve) | 90 | 7’2” |

# Roof Area Requiring Mitigation (ft2): Click here to enter text.

# USDA Soil Type per Soils Report: Click here to enter text.

# Volume of Washed Rock Required: Click here to enter text.

# Rock Layer Height Required: Click here to enter text.