**BMP L603.a - Downspout Dispersion Trench Sizing for Minimum Requirement #5 – The List Approach**

# Roof downspout dispersion trenches shall be designed in accordance with the SWMM and Green Stormwater Infrastructure Typical Detail Figure 003 – Dispersion Trench or Typical Detail Figure 004 – Dispersion Trench with Notched Grade Board. Trenches serving up to 700 ft2 roof area may use a Simple Dispersion Trench as shown in Typical Detail Figure 003 – Dispersion Trench. For roof areas larger than 700 ft2 dispersion trenches with notched grade boards may be used with a total length not to exceed 50 feet.

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

# Roof Area Discharging to Trench: Click here to enter text.

# Number of Simple Dispersion Trenches Proposed: Click here to enter text.

# $$Notched Grade Board Trench Length \left(ft\right)= \frac{\left(10 ft\right)\*(roof area to trench \left(sf\right))}{700 (sf)}$$

# Notched Grade Board Trench Length Required: Click here to enter text.

# \*If the length required is greater than 50 feet needed more than one trench will be required.

# Number of Notched Grade Board Trenches Required: Click here to enter text.

# Length of each Notched Grade Board Trenches: Click here to enter text.