FIGURE NO. 014

CITY OF TACOMA
GREEN STORMWATER INFRASTRUCTURE
TYPICAL DETAILS

January 2016

NOTES:

1. Do not place plants that will restrict or concentrate the flow of water in the bottom of the swale.


3. Use impervious liner instead of geotextile fabric if you have observed flooding issues in your basement or near your building foundation.

CONVEYANCE SWALE

GUTTER
EXISTING DOWNSPOUT
DOWNSPOUT SPLASH BLOCK

MINIMUM 10'-0" SETBACK FROM BUILDING FOUNDATION TO TOP OF RAIN GARDEN PONDING SURFACE (SEE NOTE 3).

MIN SLOPE = 0.5%.
IF GREATER THAN 4% SLOPE, PROVIDE EROSION CONTROL OPTIONS SUCH AS A ROCK CHECK DAM.

VEGETATED CONVEYANCE SWALE

GUTTER
EXISTING DOWNSPOUT
DOWNSPOUT SPLASH BLOCK

PLANTS THAT TOLERATE PERIODIC INUNDATIONS OF WATER (SEE NOTES 1 AND 2)

EXISTING SOIL
3" COMPOSTED MATERIAL ROTOTILLED INTO EXISTING SOIL TO DEPTH OF 8" OR 6" OF RAIN GARDEN SOIL MIX OR PER BMP L613 (STD PLAN GSI-01) IF APPLICABLE

ROCK-LINED CONVEYANCE SWALE

GUTTER
EXISTING DOWNSPOUT
DOWNSPOUT SPLASH BLOCK

1"-3" WASHED GRAVEL OR STREAM BED COBBLE, 4" DEPTH

EXISTING SOIL
GEOTEXTILE FABRIC OR IMPERVIOUS LINER FOR SEPARATION (SEE NOTE 3)

RAIN GARDEN INLET SWALE

CONVEYANCE SWALE, SEE DETAILS ON THIS SHEET FOR OPTIONS

MIN SLOPE = 0.5%.
IF GREATER THAN 4% SLOPE, PROVIDE EROSION CONTROL OPTIONS SUCH AS A ROCK CHECK DAM.

RAIN GARDEN, SEE DETAIL GSI FIGURE 012

GUTTER
EXISTING DOWNSPOUT
DOWNSPOUT SPLASH BLOCK

OVERFLOW, SEE GSI FIGURES 015 AND 016 FOR OPTIONS

LEGEND:

1"-3" WASHED GRAVEL OR STREAM BED COBBLE
RAIN GARDEN SOIL MIX
EXISTING NATIVE SOIL