



Post-Construction Soil Management

HTE #	_____
Permit #	_____

Benefits of Healthy Soils

- Reduced need for irrigation, fertilizers, and pesticides
- Decreased stormwater runoff
- Decreased erosion
- Improved plant health
- Marketable buildings and landscapes



Before



After

5 Step Implementation Process

Step 1 – Retain and protect native vegetation and soil

Identify areas of the site that will not be disturbed during construction (cleared, graded, or driven on). Fence those areas to prevent impacts during construction. If neither soils nor vegetation are disturbed, these areas do not require amendment.

Step 2 – Loosen compacted subsoil, if needed

In disturbed areas (compacted by construction traffic):

- Scarify the top 4 inches of subsoil
- Rip in the first lift of topsoil
- Rip site soils 12 inches deep before tilling compost in to an 8-inch depth

Step 3 – Restore soils that are disturbed during construction

Three options to restore disturbed soils include:

<input type="checkbox"/>	• Option 1: Till compost (1.75 inches for turf areas; 3 inches for planting beds) into existing soil, or
<input type="checkbox"/>	• Option 2: Stockpile and reuse existing topsoil (amend if needed to meet 5% organic matter content for turf areas; 10% organic matter content for planting beds), onsite soil test (bulk density & organic matter) required for this option, or
<input type="checkbox"/>	• Option 3: Import 8 inches of topsoil (with 5 to 10% organic content, soil portion must be sandy) and scarify or till into existing soil in two 3-inch lifts



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5 Step Implementation Process (cont.)



Compost options require tilling to a depth of 8"

Step 4 – Add mulch to planting beds

Spread mulch (coarse bark or wood chips) in the spring or fall (after planting) to control weeds, reduce the need for irrigation, and prevent erosion. Apply 2 inches of mulch on planting beds and around shallow-rooted annuals. Apply 2 to 4 inches of mulch around trees and woody perennials, but make sure to keep mulch 1 inch away from tree trunks.

Step 5 – Protect restored soils from erosion and re-compaction

Prevent runoff from roads or open slopes onto amended soil areas. Compost blankets are an approved erosion control BMP that can be used during construction and then tilled into the existing soil at the end of the construction process prior to planting. Once soils have been amended, vehicle traffic should be prohibited to prevent re-compaction from occurring. In turf areas seed or lay sod to stabilize soils.

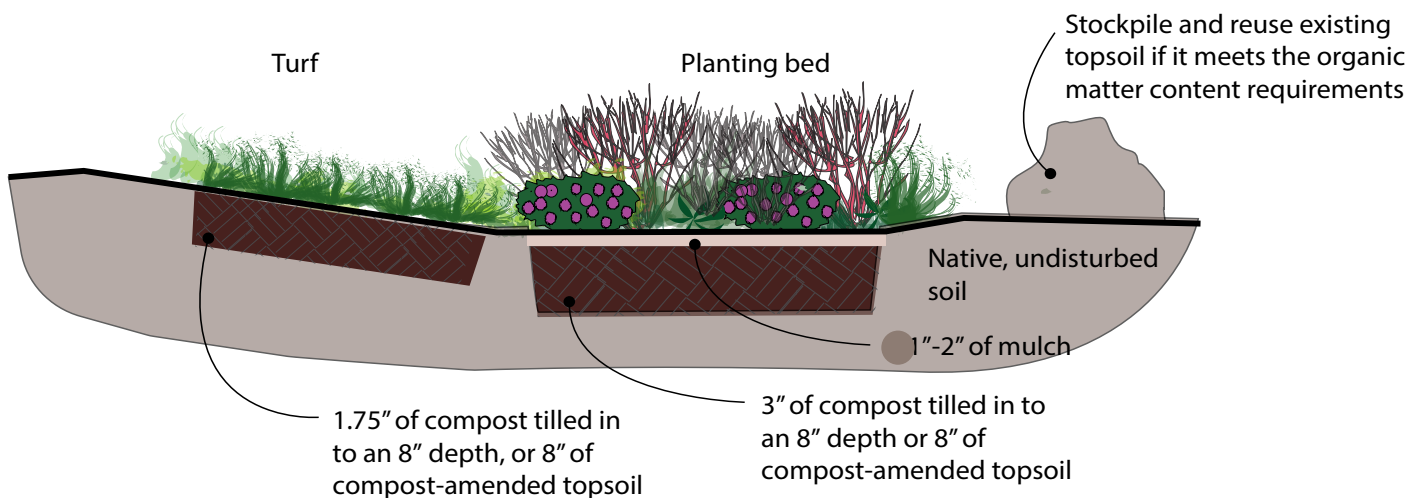
Exemptions

The following portions of the project area are exempt from soil amendment requirements:

- Areas covered by an impervious surface, or
- Areas incorporated into a drainage facility, or
- Structural fill or engineered slopes
- On till slopes greater than 33%



After soil amendment





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Worksheet

Project Information

Page # ____ of ____ pages

Calculate the quantities needed for the entire site based on all of the areas identified on the Site Plan and the calculations on the following page(s)

Owner / Project Name: _____
Contractor Name: _____
Property Tax Account Number(s): _____
Site Address: _____

Attachments Required *(Check off required items that are attached)*

<input type="checkbox"/> Site Plan showing, to scale: <ul style="list-style-type: none"> <input type="checkbox"/> Areas of undisturbed native vegetation (no amendment required) <input type="checkbox"/> New planting beds (amendment required) <input type="checkbox"/> New turf areas (amendment required) <input type="checkbox"/> Other disturbed areas (amendment required) <input type="checkbox"/> Type of soil improvement proposed for each area
<input type="checkbox"/> Soil test results (required if reusing existing top soil or proposing custom amendment rates)
<input type="checkbox"/> Product test results for proposed amendments

Total Amendment / Topsoil / Mulch for All Areas

(Calculate the quantities needed for the entire site based on all of the areas identified on the Site Plan and the calculations on the following page(s))

Product	Total Quantity (CY)	Test Results
Product #1: Garden Glory Compost (Port Angeles Landfill Facility [PALF])	_____ CY	_____ % organic matter _____ C:N ratio "Stable"? <input type="checkbox"/> yes <input type="checkbox"/> no
Product #2: _____	_____ CY	_____ % organic matter _____ C:N ratio "Stable"? <input type="checkbox"/> yes <input type="checkbox"/> no
Product #3: _____	_____ CY	_____ % organic matter _____ C:N ratio "Stable"? <input type="checkbox"/> yes <input type="checkbox"/> no

