SOIL MANAGEMENT PLAN FOR KING COUNTY SOIL IMPROVEMENT CODE

(For use with *Achieving the Post-Construction Soil Standard* brochure)

PROJECT INFORMATION

Site Address	
DDES Permit Number:	
Applicant:	Phone:
Mailing Address:	
Plan Prepared By:	

ATTACHMENTS REQUIRED

___ To-scale site plan showing planting beds and turf areas and which soil management options will be applied, with the square foot area for each. Also show areas where soil will be left undisturbed and protected during construction.
___ Soil test results (required if proposing custom amendment rates).

AMENDMENT AND TOPSOIL CALCULATIONS

TURF AREAS (As labeled on plan)			**TOTAL AREA**: ___,000 square feet
TREATMENT SELECTED:	___ Pre-approved Amendment 1.75 inches	___ Custom Amendment ___ inches (attach tests and calculations)	___ Topsoil Import ___ inches (8" default)
AMENDMENT OR TOPSOIL	____inches compost / topsoil to be applied (from above box) X 3.1 _____= cu. yards / 1,000 sq. ft. X___ ,000s sq.ft. ____ = cubic yards amendment		PRODUCT:_____ QUANTITY:_____CU. YDS.

PLANTING BEDS (As labeled on plan)			**TOTAL AREA**: ___,000 square feet
TREATMENT SELECTED:	___ Pre-approved Amendment 3.0 inches	___ Custom Amendment Rate ___ inches (attach tests and calculations)	___ Topsoil Import ___ inches (8" default)
AMENDMENT OR TOPSOIL	____inches compost / topsoil to be applied (from above box) X 3.1 _____= cubic yards / 1,000 sq. ft. X____ ,000s sq.ft. ____ = cubic yards amendment		PRODUCT:_____ QUANTITY:_____CU. YDS.
MULCH	___ inches mulch to be applied (minimum 2" recommended) X 3.1 _____= cubic yards / 1,000 sq. ft. X____ ,000s sq.ft. ____ = cubic yards amendment		PRODUCT:_____ QUANTITY:_____CU. YDS.

TOTAL AMENDMENT / TOPSOIL / MULCH FOR ALL AREAS

Product #1 Name _____ ☐ **Topsoil** ☐ **Compost** ☐ **Mulch**	**Quantity: _____cu. yds.** ☐ **Test Results Supplied**
Product #2 Name: _____ ☐ **Topsoil** ☐ **Compost** ☐ **Mulch**	**Quantity: _____cu. yds.** ☐ **Test Results Supplied**
Product #3 Name: _____ ☐ **Topsoil** ☐ **Compost** ☐ **Mulch**	**Quantity: _____cu. yds.** ☐ **Test Results Supplied**

Date:	**Inspector:**	**Approved:**	**Revisions Required:**
Comments:			

SOIL MANAGEMENT PLAN FOR KING COUNTY SOIL IMPROVEMENT CODE

(For use with *Achieving the Post-Construction Soil Standard* brochure)

HOW TO DETERMINE SOIL AMENDMENT, TOPSOIL AND MULCH NEEDS

STEP 1. Review site conditions, landscape and grading plans.
Determine if subsoil can be easily amended or if compaction will require subsoil plowing or topsoil import. Identify areas that can be left undisturbed, and where soil can be stockpiled, amended and reapplied after grading. It is recommended that compacted subsoils be scarified before applying amendments or topsoil.

STEP 2. Select a soil management option and suitable pH for each planting area.
Choose soil management options and suitable pH's from the chart below for each landscape area within your proposed area of disturbance.

STEP 3. Calculate compost and/or topsoil volumes for each area.
Use the formulas on the back of this page or the online compost calculator at http://your.kingcounty.gov/solidwaste/compost_to calculate the cubic yards of compost, topsoil and mulch needed.

STEP 4. Identify compost and/or topsoils to be applied and retain records.
Compost used as amendment or in topsoil mixes must be **weed-free** and supplied by a permitted composting facility (see list of compost facilities at http://www.ecy.wa.gov/programs/swfa/compost/). Include name of product and supplier in **"Total Amendment/Topsoil/Mulch for All Areas"** section on back of this page.

STEP 5. Turn in completed DDES soil Management form to DDES staff for review and approval.

Soil Management Options and pH	**Soil Management Options**		
	Using pre-approved amendment rates		**Using Custom Amendment rates***
	Turf	**Planting Beds**	**Turf or planting beds**
Option 1 Leave native soil undisturbed, protect from compaction	Not applicable - Undisturbed areas do not require soil amendment	Not applicable - Undisturbed areas do not require soil amendment	Not applicable - Undisturbed areas do not require soil amendment
Soils that have been cleared and graded, and not covered by impervious surfaces or developed as a storm water structure, must be restored to 8 inches deep, using one of the following three options:			
Option 2 Amend soil in place	Mix 1.75 inches of compost 8 inches deep	Mix 3 inches of compost 8 inches deep	Use online calculator*
Option 3 Import topsoil containing adequate organic amendment	Import 8 inches of soil mix containing approx. 75-80% sandy loam and 20-25% compost	Import 8 inches of soil mix containing approx. 60-65% sandy loam, 35-40% compost	Not applicable
Option 4 Stockpile site soil, reapply, amend in place	Reapply stockpiled soil and amend in place with 1.75 inches of compost, for a combined minimum depth of 8 inches of soil and compost.	Reapply stockpiled soil and amend in place with 3 inches of compost, for a combined minimum depth of 8 inches of soil and compost.	Use online calculator to determine amendment rate*. Reapply stockpiled soil and amend in place with a combined minimum depth of 8 inches of soil and compost.
Soil pH (acidity) – test and adjust if needed, based on plant types	Washington State University recommends a soil pH of 5.5-6.5 for lawns.	Should be compatible with plant needs.	Washington State University recommends a soil pH of 5.5-6.5 for lawns. For planting beds, the pH should be compatible with specific plant needs.

***Custom amendment rates** may be approved based on soil and amendment tests and calculations using the Soil Amendment Calculator at (http://your.kingcounty.gov/solidwaste/compost_calculator.htm).