## SOIL QUALITY GUIDLINES

- SOIL RETENTION. RETAIN, IN A UNDISTURBED STATE THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCK-PILE THE THE DUFF LAYER AND TOPSOIL, IF ANY, ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SIT WHERE FEASIBLE.
- SOIL QUALITY, ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION. DEMONSTRATE THE FOLLOWING:
  - 1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 5-10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A Ph FROM 6.0 TO 8.0 OR MATCHING THE ph OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
- 2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
- 3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
- A. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN ONLY BE MET USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION WITH THE EXCEPTION THAT THE COMPOST MUST HAVE AN ORGANIC MATTER CONTENT OF 40 PERCENT TO 65 PERCENT. AND A CARBON TO NITROGEN RATIO BETWEEN 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTING COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
- B. CALCULATED AMENDMENT RATES MAY BE ME THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE, OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220

#### SOIL AMENDMENT OPTIONS

IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ON THIS SHEET CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:

OPTION 1: LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.

OPTION 2: AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.

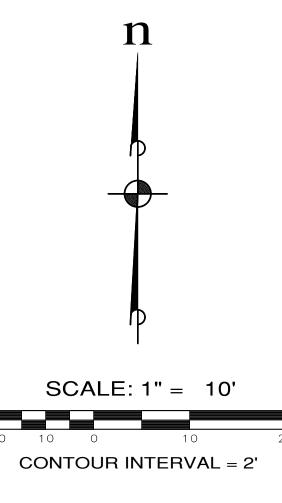
OPTION 3: STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.

OPTION 4: IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

#### POST CONSTRUCTION SOIL INSPECTION

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.



CITY COMMENTS AUGUST 1, 2019 CITY COMMENTS SEPTEMBER 23, 2019

CITY COMMENTS JANRUARY 14, 2020

ADDED BACK PATIO

NSPECTOR 01/14/2014

MAY 14, 2020

REVISED PER

CONSULTING E 33400 8th Ave S, Suite 2

MZ

JOB NO.: 1954-003-0

WG. NAME

RAWN BY:

**BEFORE YOU DIG** 

ESIGNED BY:

HECKED BY:

### SITE DATA

PARCEL NUMBER: 545230-2145

2215 80TH AVE SE SITE ADDRESS: MERCER ISLAND, WA 98040

SITE AREA: 8,800 SF (RECORDED) 8,810 SF (SURVEYED)

ZONING: R - 8.5REQUIRED SETBACKS:

FRONT/GARAGE: 20 FT

25 FT BACK: INTERIOR: 10 FT EA (15 FT TOTAL)

## **ON-SITE IMPERVIOUS**

NEW PLUS REPLACED

TRIBUTARY TO DETENTION TANK

2,495 SF (0.057 AC TO PUMP) SINGLE FAMILY ROOFTOP CONCRETE DRIVE

233 SF

2,932 SF (0.067 AC)

EXPOSED WALKWAYS

PROJECT IMPACTS

EXISTING (ALL TO BE REMOVE	<u>:D)</u>
SINGLE FAMILY ROOFTOP	3,629 SF
SIDEWALK	0 SF
BACK PATIO	112 SF
DECK	317 SF
SITE DRIVEWAY	<u>850 SF</u>
TOTAL	4,908 SF
REPLACED	
SINGLE FAMILY ROOFTOP	2,495 SF
SIDEWALK	233 SF
DECK	<u>49 SF</u>
TOTAL REPLACED	2,777 SF
NEW	
DRIVEWAY	<u>437 SF</u>
TOTAL NEW	437 SF
NEW + REPLACED	3,214 SF

## **EARTHWORK QUANTITIES**

80 CY (FILL)

EARTHWORK VOLUMES SHOWN ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY VOLUMES AS NEEDED.

## FOOTING DRAIN NOTE

THE EXISTING FOOTING DRAIN WILL NOT BE ALTERED AND REMAIN IN PLACE. NO NEW CONNECTION FROM ANY SOURCES TO THE EXISTING FOOTING DRAIN ARE ALLOWED. IF THERE ARE ALTERATIONS OR CONNECTIONS TO THE EXISTING FOOTING DRAIN ARE NEEDED DURING THE CONSTRUCTION, THEN A NEW DESIGN FOR THE FOOTING DRAIN MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.

# LEGAL DESCRIPTION

INFORMATION.

PER STATUTORY WARRANTY DEED RECORDING# 20180116001125 LOTS 3 AND 4, BLOCK 21, MERCER PARK, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLATS, PAGE 27, RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

SEE THE TOPOGRAPHY MAP PREPARED BY TERRANE LAND SURVEYING FOR THIS PROJECT FOR FURTHER PROJECT DESCRIPTION, CONTROL, AND EXISTING TOPOGRAPHY

