GENERAL GUIDELINES FOR MINERAL AGGREGATE GRADATION	
SIEVE SIZE	PERCENT PASSING
3/8"	100
#4	95–100
#10	75–90
#40	25–40
#100	4–10
#200	2–5

COMPOST TO AGGREGATE RATIO: 60–65 PERCENT MINERAL AGGREGATE, 35–40 PERCENT COMPOST BY VOLUME.

ORGANIC MATTER CONTENT: 5–8 PERCENT BY WEIGHT.

CATION EXCHANGE CAPACITY (CEC) MUST BE GREATER THAN OR EQUAL TO 5 MILLIEQUIVALENTS/100g DRY SOIL. NOTE: SOIL MIXES MEETING THE ABOVE SPECIFICATIONS DO NOT HAVE TO BE TESTED FOR CEC. THEY WILL READILY MEET THE MINIMUM CEC.

COMPOST SHALL MEET THE REQUIREMENTS OF SECTION 7.4 BEST MANAGEMENT PRACTICES (BMPs) FOR INFILTRATION AND BIORETENTION TREATMENT, BMP T7.30: BIORETENTION CELLS, SWALES AND PLANTER BOXES, OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.

TYPE 26 MINERAL AGGREGATE

UNDER–DRAIN AGGREGATE FILTER AND BEDDING LAYER GRADATION	
SIEVE SIZE	PERCENT PASSING
3/4"	100
1/4"	30–60
#8	20–50
#50	3–12
#200	0–1

N.T.S.

BIORETENTION SOIL MIX

STANDARD DETAIL

CITY OF BATTLE GROUND
APPROVED

Mark Hennes 06/11/2018

CITY ENGINEER DATE

REVISIONS:	DATE:	DRAWN:	DESIGNED:
1	12/29/16	KDU	KDU
2	02/15/17	CAS	KDU

ST–11.03