



GENERAL NOTES:

1. BIORETENTION SOIL SHALL BE 40% CONSTRUCTION SAND, 20-30% TOPSOIL WITH LESS THAN 15% MAXIMUM CLAY CONTENT, AND 20-30% ORGANIC LEAF COMPOST. PH SHALL BE BETWEEN 5.5 AND 6.5.
2. PLANTING SHALL CONSIST OF NATIVE SPECIES ABLE TO TOLERATE VARIABLE SOIL MOISTURE CONDITIONS, PONDING WATER FLUCTUATIONS AND VARIABLE SOIL MOISTURE CONTENT.
3. AT LEAST 18 INCHES OF BIORETENTION SOIL MIX IS REQUIRED BELOW THE DESIGN WATER ELEVATION. BEYOND THIS ELEVATION AT LEAST 6 INCHES OF BIORETENTION SOIL MIX IS REQUIRED. COMPACTED SUBSOILS MUST BE SCARIFIED AT 4 INCHES BELOW THE AMENDED LAYER.
4. UNDER DRAINS ARE REQUIRED IN SOILS WITH INFILTRATION RATES INADEQUATE TO MEET MAXIMUM POOL AND SYSTEM DEWATER RATES.
5. SEE DETAIL 5-11(4-4L.6) FOR CURB INLETS.
6. ZONE 1 PLANTINGS SHALL BE USED BELOW THE DESIGN WATER ELEVATION.
7. THE MINIMUM DEPTH OF THE SOIL MIX SHALL BE 3'.
8. THE DESIGN WATER LEVEL SHALL BE BETWEEN 6" TO 8".
9. THE OVERFLOW OR GRATE HEIGHT SHALL BE BETWEEN 9" TO 12".

GENERAL REQUIREMENTS:

1. THE SLOPE FOR THE RAIN GARDEN SHALL START AT THE 10' EASEMENT LINE AND SHALL NOT ENCRUCH ON THE UTILITY EASEMENT.
2. WHEN CONSIDERING RAIN GARDENS THE DESIGN SHALL NOT BE IN CONFLICT WITH THE NATURAL PATH OF THE DRY UTILITIES. THE STANDARD WIDTH OF THE JOINT UTILITY TRENCH IS 10' AND MAXIMUM DEPTH SHALL BE 4'.
3. STATIONS AND OFFSETS SHALL BE REQUIRED AT ALL RADII FOR TOP OF SLOPE OR BOTTOM OF SLOPE WITH ELEVATIONS.
4. WHEN NO UTILITY EASEMENT IS REQUIRED THE SLOPE FOR THE RAIN GARDENS SHALL BEGIN 2' FROM THE BACK OF THE RIGHT-OF-WAY.

CITY OF TUMWATER, WASHINGTON
DEPT. OF PUBLIC WORKS

**RAIN GARDEN
SETBACK**

APPROVED		DWG. NO.	
CITY ENGINEER		SD-7	
DES. PW	DWG. BY PW	CK'D BY KMC	DATE JAN. 2012
		NOT TO SCALE	