



**NOTES:**

**1. DIMENSIONS:**

- A. WIDTH OF PLANTER 18" MINIMUM.
- B. PONDING DEPTH (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION):  
SIMPLIFIED: 4"  
ENGINEERED: 12" MAXIMUM.
- C. SLOPE OF PLANTER: 0.5% OR LESS.

**2. OVERFLOW:**

- A. OVERFLOW REQUIRED PER STANDARD DETAIL NDP-8.
- B. INLET ELEVATION MUST ALLOW FOR 2" MIN. OF FREEBOARD, 4" MIN. FOR SIMPLIFIED.
- C. PROTECT FROM DEBRIS AND SEDIMENT WITH STRAINER OR GRATE, SEE D6-04 MATERIALS.

**3. PIPING:** SHALL BE CAST IRON, PVC SDR 35 MINIMUM, OR PVC SCHEDULE 40. 3" PIPE REQUIRED FOR UP TO 1,500 SQ FT OF CONTRIBUTING AREA, OTHERWISE 4" MIN. PIPING MUST HAVE 1% GRADE AND FOLLOW THE UNIFORM PLUMBING CODE IF WITHIN 3' OF A STRUCTURE.

**4. DRAIN ROCK:**

- A. SIZE PER NDP MATERIALS, CHAPTER D6-04.
- B. DEPTH OF SIMPLIFIED: 12".
- C. DEPTH OF ENGINEERED: 12"-48".

**5. SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM:** USE GRAVEL LENS (3/4 - 1/4 INCH WASHED, CRUSHED ROCK 2 TO 3 INCHES DEEP).

**6. GROWING MEDIUM:** BIORETENTION SOIL MIX PER NDP MATERIALS, CHAPTER D6-04.

**7. VEGETATION:**

- A. PLANT WITH ZONE 1 OR 2 TREES, SHRUBS, AND/OR GROUND COVER. SEE APPENDIX 3 IN THE **LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND** (2005 OR CURRENT) OR **RAIN GARDEN HANDBOOK FOR HOMEOWNERS** FOR A PLANT LIST.
- B. PLANTING SHALL CONSIST OF NATIVE SPECIES ABLE TO TOLERATE VARIABLE SOIL MOISTURE CONDITIONS, PONDING WATER FLUCTUATIONS AND VARIABLE SOIL MOISTURE CONTENT.

**8. PLANTER WALLS:**

- A. MATERIAL SHALL BE STONE, BRICK, CONCRETE, WOOD, OR OTHER DURABLE (NO CHEMICALLY TREATED WOOD).
- B. CONCRETE, BRICK, OR STONE WALLS SHALL BE INCLUDED ON FOUNDATION PLANS.

**9. WATERPROOF LINER:** SHALL BE 30 MIL PVC OR EQUIVALENT.

**10. INSTALL WASHED PEA GRAVEL OR 1"-4" STREAMBED COBBLES PER STANDARD SPECIFICATIONS 9-03.11(2) TO TRANSITION FROM INLET OR SPLASH PAD TO GROWING MEDIUM.**



City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

BIORETENTION PLANTER - FLOW-THROUGH