**NOTES:**

1. **DIMENSIONS:**
   A. WIDTH OF PLANTER 18" MINIMUM.
   B. PONDER 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 - 3/4 inch washed, crushed rock 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, PONDERING 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.**

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**City of Bellevue**

**STORM AND SURFACE WATER UTILITY**

**TITLE**

BIORETENTION PLANTER — FLOW-THROUGH

**JANUARY 2014**

**NO. NDP-4**