



**NOTES:**

1. DIMENSIONS:
  - A. WIDTH OF FLOW-THROUGH PLANTER: 18" MINIMUM.
  - B. DEPTH OF PLANTER (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION): SIMPLIFIED: 4" ENGINEERED: 4"-12" MAXIMUM.
  - C. SLOPE OF PLANTER: 0.5% OR LESS.
2. OVERFLOW:
  - A. OVERFLOW REQUIRED.
  - B. INLET ELEVATION MUST ALLOW FOR 2" MIN. OF FREEBOARD, 4" MIN. FOR SIMPLIFIED.
  - C. PROTECT FROM DEBRIS AND SEDIMENT WITH STRAINER OR GRATE.
3. PIPING: SHALL BE CAST IRON 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 ( $\frac{3}{4}$  -  $\frac{1}{4}$  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 GROUND COVER. SEE APPENDIX 3 IN THE **LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND** (JANUARY 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 FOR FLOW-THROUGH FACILITIES.
10. INSTALL WASHED PEA GRAVEL OR 1-4" STREAM BED COBBLE 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 WITH OVERFLOW CONNECTED TO STORM SYSTEM No. NDP-5