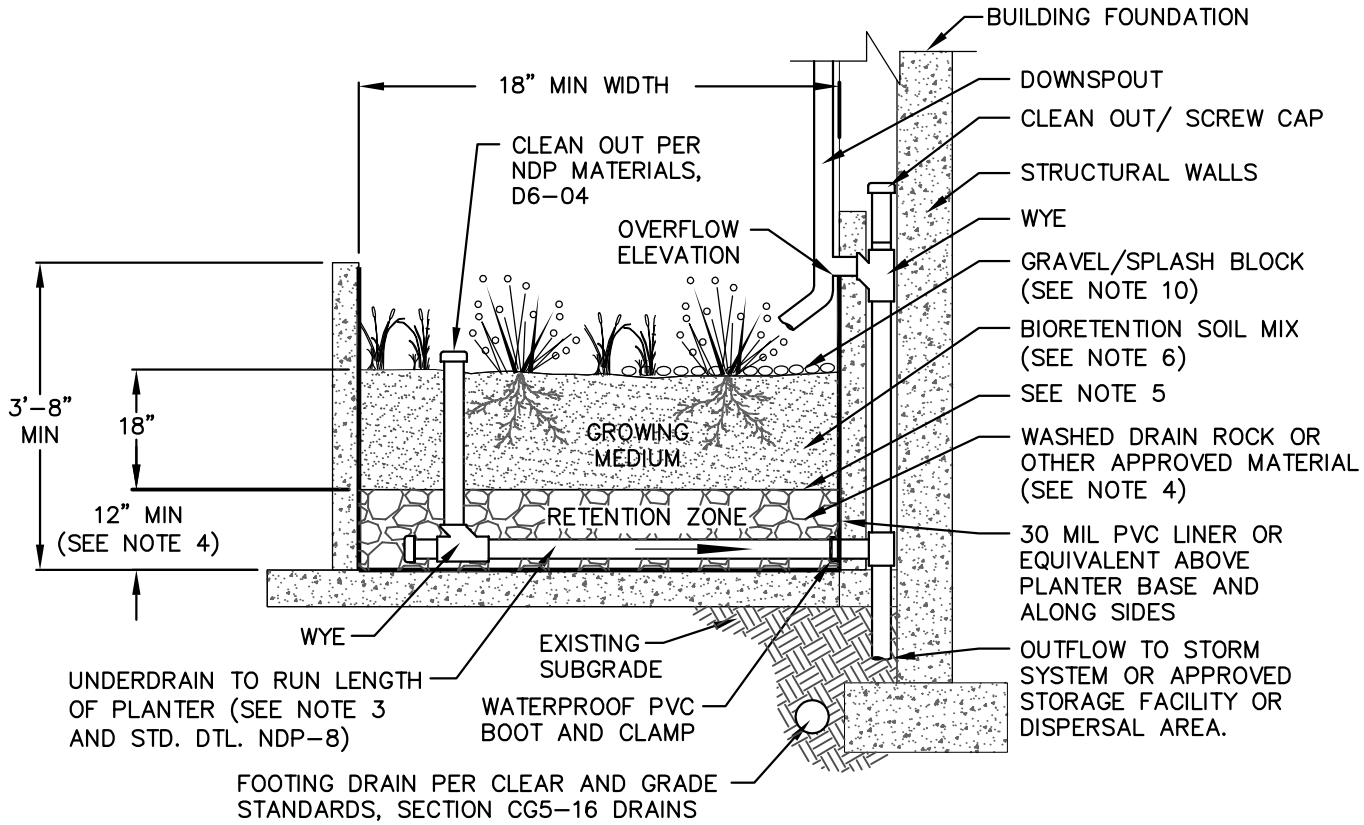

NOTES:

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, 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 BETWEEEN DRAIN ROCK AND GROWING MEDIUM: USE GRAVEL LENS (¾ – ¼ 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

JANUARY 2014

NO SCALE