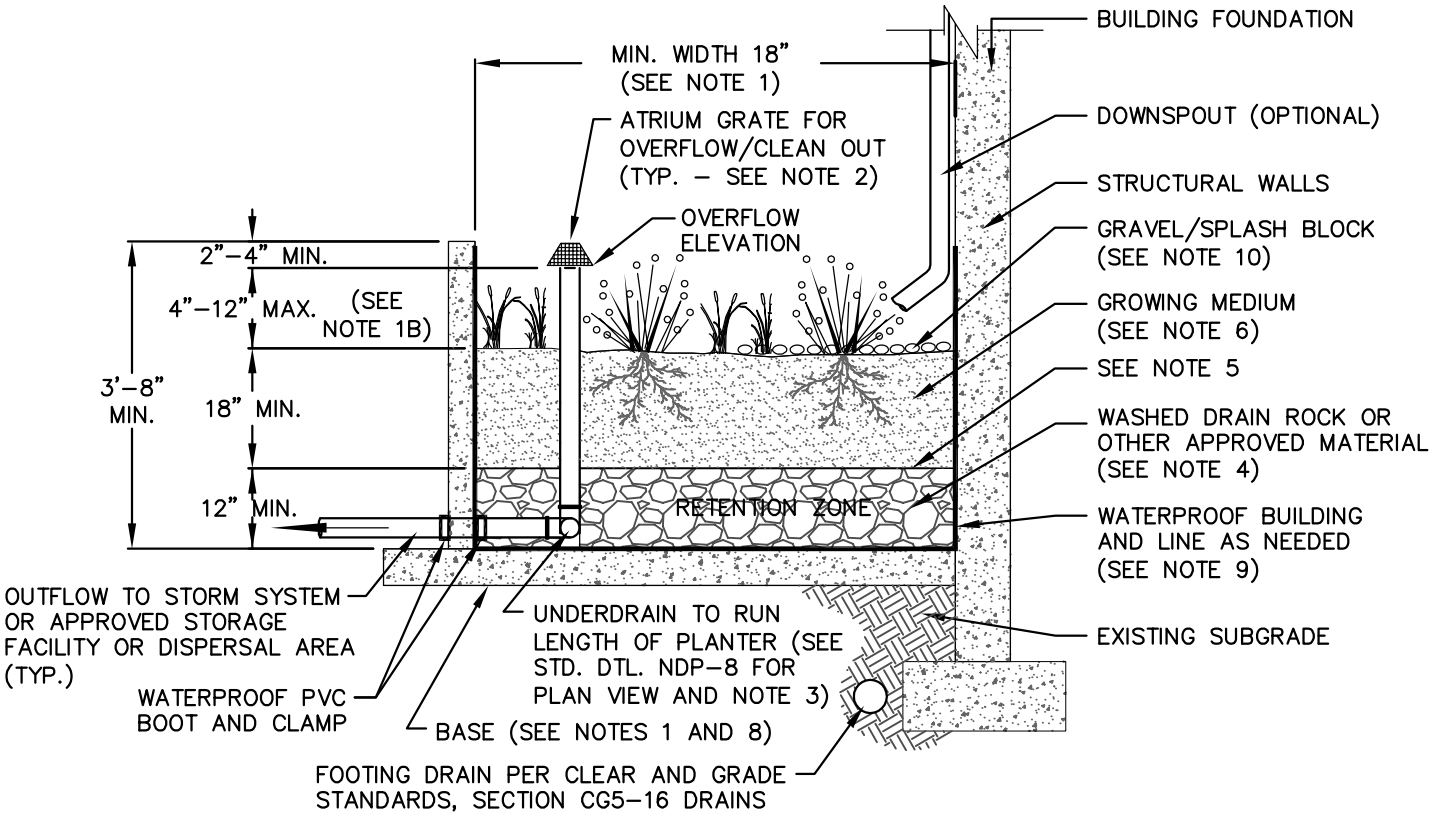

NOTES:

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 (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/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

NO. NDP–4

JANUARY 2013

NO SCALE