This Detail Drawing may not be altered or changed in any manner except by the City Engineer. It is the responsibility of the user to acquire the most current version. PLANTER WALL (NOTE 10) -30 MIL LINER OR EQUAL (NOTE 11) HOODED OVERFLOW -DOWNSPOUT OVERFLOW ELEVATION 4" (NOTE 4) BUILDING WALLS 30" MAX 12" (NOTE 2) (NOTE 3) RIVER ROCK/SPLASH BLOCK (NOTE 13) GROWING MEDIUM 18" MIN (NOTE 8) SEPARATION LAYER (NOTE 7) WASHED DRAIN ROCK (NOTE 6) **FXISTING** GROUND 12" MIN (NOTE 6) SEE DETAIL ST-6105 FOR LINER (IF REQUIRED, NOTE 11) **OUTFLOW PIPE** 18" MIN (NOTE 2) PLANTER FOUNDATION FLOW CONTROL UNDERDRAIN PIPE TO RUN (IF REQUIRED, NOTE 10) STRUCTURE LONGITUDINALLY THROUGH WATERTIGHT PVC **EXISTING** (NOTE 12) LENGTH OF FACILITY **BOOT AND CLAMP** SUBGRADE (NOTE 14) OVERFLOW

PROVIDE PROTECTION FROM ALL VEHICLE TRAFFIC, EQUIPMENT STAGING, AND FOOT TRAFFIC IN PROPOSED INFILTRATION AREAS PRIOR TO, DURING AND AFTER CONSTRUCTION. WRAP UNDER-DRAIN IN FILTER FABRIC TO REDUCE TRANSPORT OF FINES.

-WIDTH: 18" MINIMUM

-DEPTH OF PLANTER (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION): 12"

-SLOPE OF PLANTER: 0.5% OR LESS

# HEIGHT/SETBACK

-PLANTERS SHALL BE LESS THAN 30" IN HEIGHT ABOVE SURROUNDING AREA

-PLANTERS SHALL BE MINIMUM OF 5 FEET FROM PROPERTY LINE

# **OVERFLOW:**

-INLET ELEVATION SHALL ALLOW FOR 4" OF FREEBOARD, MINIMUM

-PROTECT FROM DEBRIS AND SEDIMENT WITH STRAINER OR GRATE

## PIPING:

-PERFORATED UNDER-DRAIN PIPING: SHALL RUN LONGITUDINALLY THROUGH LENGTH OF FACILITY, SHALL BE ABS SCH. 40, CAST IRON, OR PVC SCH.40, 6" MINIMUM DIAMETER. PIPING SHALL HAVE 1% GRADE AND FOLLOW THE UNIFORM PLUMBING CODE. PVC NOT ALLOWED ABOVE GROUND. WRAP UNDER-DRAIN IN FILTER FABRIC TO REDUCE TRANSPORT OF FINES

-OVERFLOW PIPING: SHALL BE ABS SCH.40, CAST IRON, OR PVC SCH.40 AND SHALL NOT BE PERFORATED. MINIMUM DIAMETER IS 6". PIPING SHALL HAVE 1% GRADE AND FOLLOW THE UNIFORM PLUMBING CODE. PVC NOT ALLOWED ABOVE GROUND.

### DRAIN ROCK:

-SIZE FOR FLOW-THROUGH PLANTER: 1 1/2" - 3/4" WASHED

-DEPTH: 12" MINIMUM

SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM: SHALL BE A 3" LAYER OF 3/4" - 1/4" OPEN GRADED AGGREGATE.

PIPE

### **GROWING MEDIUM:**

-DEPTH: 18" MINIMUM

-SEE APPENDIX A FOR SPECIFICATION OR USE SAND/LOAM/COMPOST 3-WAY MIX.

-FACILITY SURFACE AREA MAY BE REDUCED BY 25% WHEN GROWING MEDIA DEPTH IS INCREASED TO 30" OR MORE.

VEGETATION: FOLLOW LANDSCAPE PLANS OR REFER TO PLANTING REQUIREMENTS IN APPENDIX A.

# PLANTER FOUNDATION AND WALLS:

-MATERIALS SHALL BE 4" REINFORCED CONCRETE, STONE, BRICK, OR OTHER DURABLE MATERIAL.

-CONCRETE, BRICK, OR STONE WALLS SHALL BE INCLUDED ON FOUNDATION PLANS.

-INSTALL INVERTED CURB AS NEEDED BETWEEN PLANTER AND ROAD SUBGRADE.

-SUBMIT RETAINING WALL DESIGN IN ACCORDANCE WITH APPLICABLE STRUCTURAL CODES FOR REVIEW AND APPROVAL.

#### WATERPROOF LINER (IF REQUIRED):

-LINER SHALL BE 30 MIL PVC OR EQUIVALENT, FOR FLOW THROUGH FACILITIES.

-A WATERPROOF LINER IS NOT REQUIRED IF THE FOUNDATION OR WALL MATERIAL IS WATERPROOF REINFORCED CONCRETE OR APPROVED EQUAL.

12. FLOW CONTROL STRUCTURE, SEE DETAIL ST-6105.

INSTALL RIVER ROCK SPLASH PAD OVER A NON WOVEN GEO TEXTILE FABRIC TO TRANSITION FROM INLETS TO GROWING MEDIUM. SIZE OF ROCK SHALL BE 1" - 3", 4 SQUARE FEET, 6" DEEP.

# SEASONAL HIGH GROUNDWATER SEPARATION:

-SEPARATION DISTANCE AS REQUIRED BY THE CITY.

Stormwater Planter - Filtration			CITY OF	
DRAWING NUMBER: ST-6005	DRAWN BY: SR	SCALE: N.T.S.	WILSONVILLE	
FILE NAME: ST-6005.DWG	APPROVED BY: NK	DATE: 4/16/18	PUBLIC WORKS STANDARDS	