


TREE BOX FILTER

NTS

NOTES:

- a. LID BMPs MUST COMPLY WITH GUIDANCE AND LID MATRIX IN ADDITION TO LOCAL AND STATE CRITERIA. THESE TEMPLATES ARE INTENDED TO REPRESENT TYPICAL DETAILS. EACH DETAIL WILL REQUIRE REVISIONS TO MEET SPECIFIC SITE CONFIGURATIONS AND CONSTRAINTS BEFORE INCORPORATION INTO DESIGN PLANS.
- b. VERTICAL IMPERVIOUS LINERS MAY BE USED TO PREVENT LATERAL FLOW AND TO SEPARATE THE NATIVE SOIL, HOWEVER A HORIZONTAL LINER CAN BE OMITTED IF RECOMMENDED BY A GEOTECHNICAL ENGINEER. TO MINIMIZE SUBGRADE COMPACTION, SCARIFY OR RIP SUBGRADE TO A DEPTH OF 9-12".
- c. PLANT/TREE SELECTION SHALL CONSIDER THE MATURE ROOT SYSTEM RELATIVE TO THE PROPOSED FACILITY. HARDY NATIVE PLANT SPECIES THAT ARE NOT INVASIVE AND DO NOT REQUIRE CHEMICAL INPUTS ARE RECOMMENDED TO BE USED TO THE MAXIMUM EXTENT PRACTICABLE. PLANT MATERIALS MUST BE TOLERANT OF SUMMER DROUGHT, PONDING FLUCTUATIONS, AND SATURATED SOIL CONDITIONS FOR 10 TO 48 HOURS.
- d. SLOTTED OR PERFORATED UNDERDRAIN PIPE MUST BE MORE THAN 5 FEET FROM TREE LOCATIONS (IF SPACE ALLOWS). PLACE PERFORATIONS POINTED DOWN, IF POSSIBLE.
- e. SOIL MEDIA THICKNESSES, LAYERS, AND SPECIFICATIONS SHALL BE BASED ON DETAILED GEOTECHNICAL REPORT. DUE TO SITE VARIABILITY, TO ENSURE THE LONG-TERM STRUCTURAL STABILITY OF THE FACILITY AND ANY ADJACENT INFRASTRUCTURE CONSULT WITH A GEOTECHNICAL ENGINEER.
- f. PROVIDE A CLEAN-OUT/OBSERVATION PORT IN EACH FACILITY.
- g. BUILDING SETBACK SHALL BE BASED ON THE DIMENSIONS LISTED IN THE MATRIX AND OR SPECIFIED IN A SITE-SPECIFIC GEOTECHNICAL REPORT

 <p>Dixie Storm Water Coalition St. George, Washington, Ivins, Santa Clara</p>		<p>LOW IMPACT DEVELOPMENT - DESIGN TEMPLATE</p>	
<p>APPROVED BY: DSWC</p>		<p>TREE BOX FILTER</p>	
<p>DATE: 06/15/2020</p>		<p>STANDARD DETAIL NO. BR-5</p>	