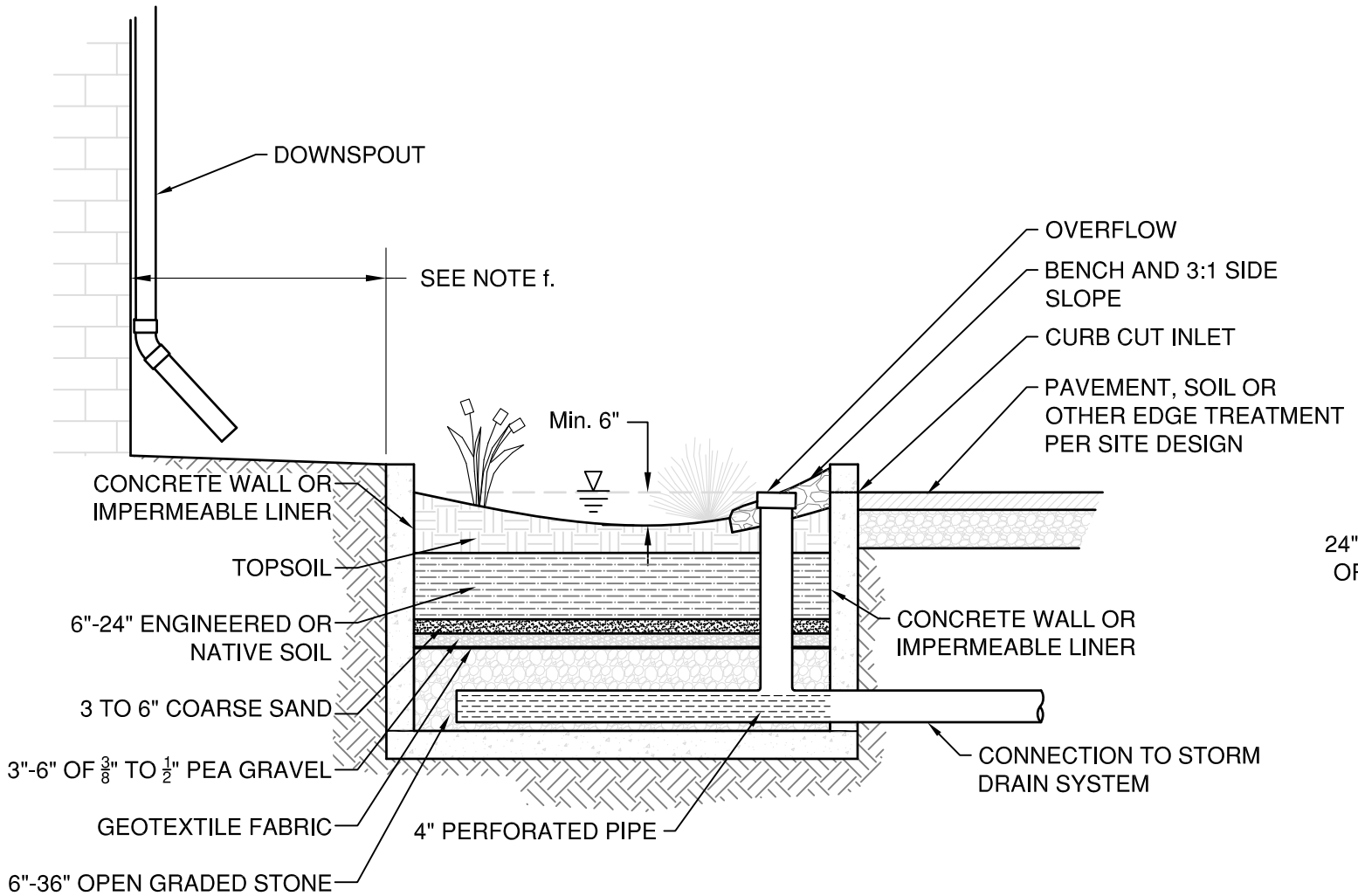
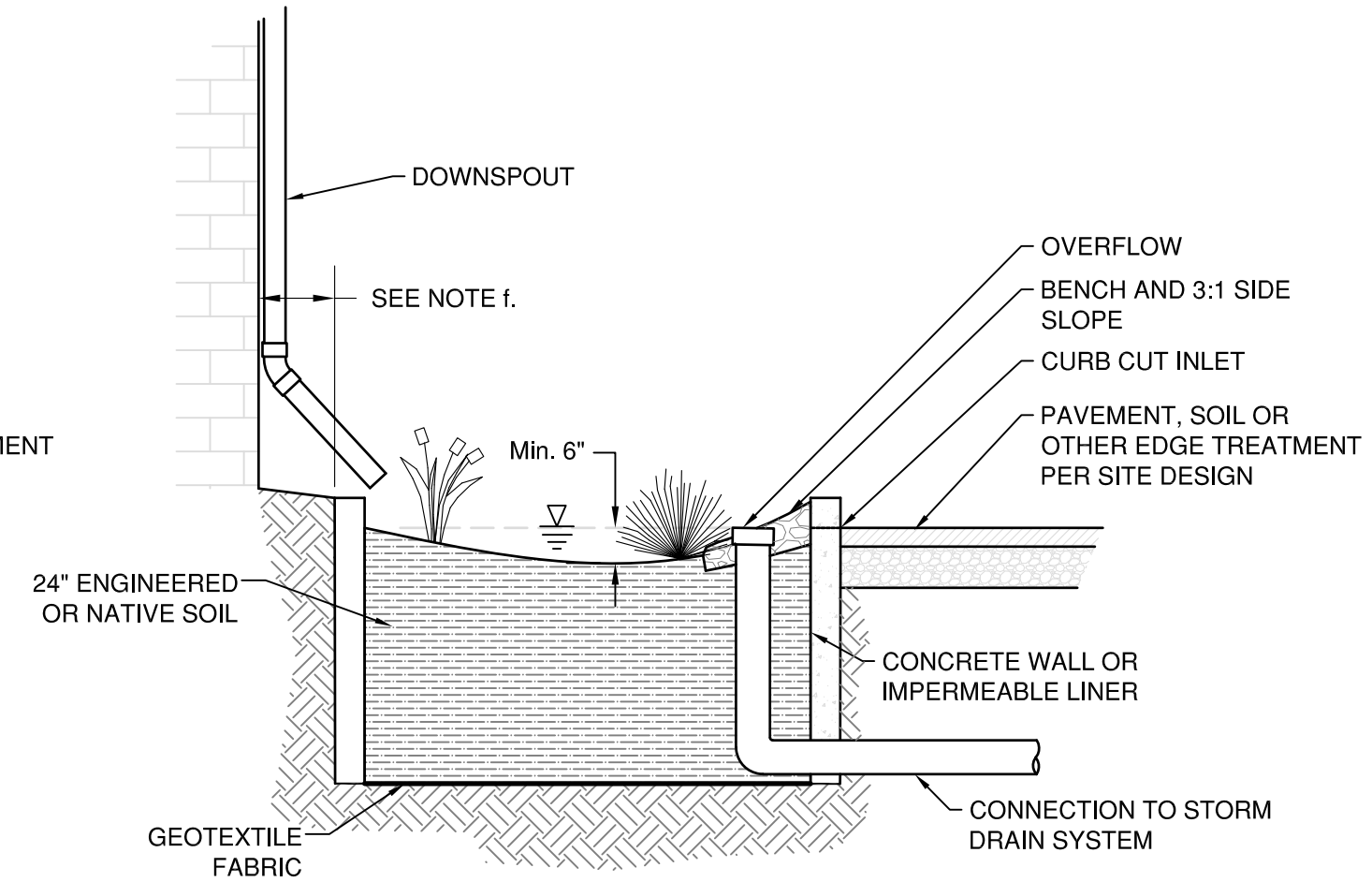



BIORETENTION CELL WITH UNDERDRAIN SYSTEM

NTS




BIORETENTION CELL IN NATIVE OR ENGINEERED SOILS

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. IF NO IMPERMEABLE LINER IS REQUIRED, ENSURE THAT SUBGRADE COMPACTION IS MINIMIZED DURING CONSTRUCTION. SCARIFY OR RIP SUBGRADE TO A DEPTH OF 9-12".

c. PLANTINGS WITHIN THE LID BMPs ARE NOT INTENDED TO BE DRIP IRRIGATED ALTHOUGH SUPPLEMENTAL WATER DURING ESTABLISHMENT IS EXPECTED. 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).

e. SOIL MEDIA THICKNESSES, LAYERS, AND SPECIFICATIONS SHALL BE BASED ON DETAILED GEOTECHNICAL REPORT.

f. BUILDING SETBACK SHALL BE BASED ON THE DIMENSIONS LISTED IN THE MATRIX AND OR SPECIFIED IN A SITE-SPECIFIC GEOTECHNICAL REPORT

FOR USE WITHIN WASHINGTON COUNTY UTAH

Dixie Storm Water Coalition
St. George, Washington, Ivins, Santa Clara

LOW IMPACT DEVELOPMENT - DESIGN TEMPLATE

| APPROVED BY: DSWC | BIORETENTION CELL | STANDARD DETAIL NO. BR-2 |
|---|---|---|
| DATE: 06/15/2020 | | |