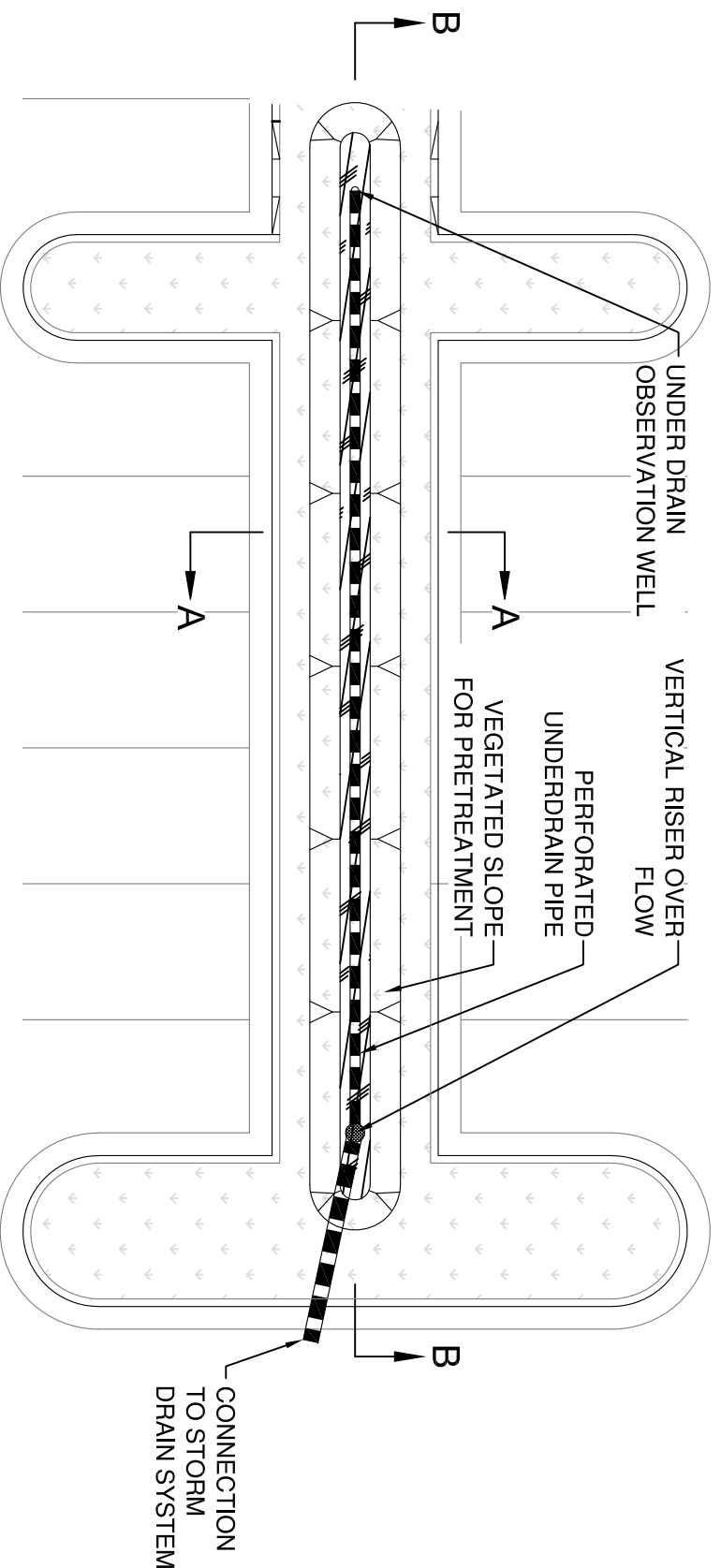


SECTION A-A
NTS

SECTION B-B
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. 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. IF BOTTOM WIDTH GREATER THAN 8 FT., CHANNEL DIVIDERS SHOULD BE INSTALLED TO PREVENT MEANDERING AND LOW-FLOW CHANNEL FORMATION.
- g. WATER QUALITY RETENTION VOLUME (P80) FLOW DEPTH SHOULD NOT EXCEED 2/3 THE HEIGHT OF THE VEGETATION. 100-YR FLOW DEPTH SHOULD BE FULLY CONTAINED WITHIN THE SWALE.
- h. LONGITUDINAL SWALE SLOPE SHOULD BE LIMITED TO BETWEEN 0.5% AND 6%. RECOMMENDED DESIGN SLOPE SHOULD BE BETWEEN 0.5% TO 2% (RECOMMENDED). SLOPES GREATER THAN 2% SHOULD INCORPORATE GRADE CONTROL TO STABILIZE AND MAINTAIN AN AVERAGE SLOPE OF 2.5% OR LESS. SLOPES FLATTER THAN 0.5% MAY RESULT IN POOR DRAINAGE AND STANDING WATER. TO LIMIT EROSION FLOW VELOCITY SHOULD NOT EXCEED 3 FT./S IN PROPOSED SWALES.
- i. CURB CUTS AND INLETS SHOULD BE ARMORED



PLAN VIEW - BIOSWALE

NTS



WASHINGTON COUNTY UTAH LOW IMPACT DEVELOPMENT MATRIX

APPROVED BY:

XXX

DATE:

6/15/2020

BIOSWALE

STANDARD DETAIL NO.

BR-3