FLOW CONTROL MANHOLE SEE STD. DETAILS D8 & D9

DITCH INLET PER STD. DETAIL D6

3:1 MAX. GRADED SIDE SLOPE

SWALE BOTTOM (SEE STD. SWALE SECTION)

FLOW SPREADER - INSTALLED AT 50' INTERVAL

6' CHAIN LINK FENCE ON PROPERTY LINE PER STD. DETAIL (WHERE REQUIRED)

OVERFLOW BYPASS

GATE PER STD. DETAIL D26

5' MIN. WIDTH GRAVEL ACCES S RAMP @ 5:1 MAX.

CONCRETE BiosWALE SEDIMENTATION TRAP PER STD. DETAIL D11.5

EMERGENCY OVERFLOW

GRANITE ACCESS RAMP

2' MIN.

VARIES

1' FREEBOARD

TOP DIVIDER BERM

8" MIN.

SEE STD. SWALE SECTIONS

SWALE BOTTOM - LONGITUDINAL SLOPE 1-2.5% PROVIDE UNDERDRAINS FOR SLOPES < 1.5%

NOTE: SWALE DESIGN REQUIRES A MINIMUM OF 9 MINUTES OF RESIDENCE TIME (n=0.20)

SECTION A-A

SECTION B-B

MAX. WATER SURFACE ELEVATION

BIODIFILTRATION SWALE 2' MIN. BOTTOM WIDTH FOR MAINTENANCE PURPOSES

NOTES:

1. THE DESIGN OF THE STORMWATER FACILITIES SHALL MEET THE DESIGN STANDARD AS SET FORTH IN CCC 40.386 AND CCWSM.

2. THIS DETAIL IS AN EXAMPLE STORMWATER FACILITY FOR URBAN INFILL. EACH SWALE NEEDS TO BE ENGINEERED TO SITE SPECIFIC CONDITIONS AND ELEVATIONS.

3. SEE STANDARD SWALE SECTIONS, AND FLOW SPREADER DETAILS.

Department of Public Works
CLARK COUNTY WASHINGTON
proud past, promising future

EXAMPLE STORMWATER FACILITY
FOR URBAN INFILL DEVELOPMENT

APPROVED 01/07/16
COUNTY ENGINEER