N I

190 381

Provide Pretreatment Per Bioretention Cell Area Perforated PVC Underdrain L&D Vol. 2, Sec. 1117.5.2 Rounded Centerline of ditch Item 601, Tied Concrete Block Mat, Type 1 Covering Earth Dike Earth Dike Observation Well / Cleanout See Detail this page PLAN VIEW LINEAR BIORETENTION CELL IN GRASS DITCH NOT TO SCALE - Maximum 12" Ponding Allowed Approx. 2" Thick -Item 611, Tied Concrete Block Mat, Type 1 Flowline of Ditch-Rounded 10" Earth Dike 6:1 Slope or Flatter Subsoil Perforated PVC Underdrain Coupler between Perforated and Non-perforated Conduit Outlet as Shown on the Plans Non-perforated PVC Underdrain Item 611 Type C Conduit PROFILE OF BIORETENTION CELL IN GRASS DITCH NOT TO SCALE

 \bigcirc

 \bigcirc

Excess 3" for Settling Ditch Centerline Final Grade 7/1 7/1 Bioretention Planting Soil (See Bioretention Cell Note on Sheet 18) Fine Aggregate per CMS 703.20 Coarse Aggreage, Size no. 78 per CMS 703.20 Minimum 3″ of no. 57 Aggregate under Perforated Underdrain Coarse Aggregate, Size no. 57 per CMS 703.20 Subsoil SECTION OF BIORETENTION CELL IN GRASS DITCH

NOT TO SCALE

BASIN MATERIALS: Provide basin dimensions, materials, and grate as specified. Do not use side inlet windows

EROSION CONTROL: For grassed bioretention, include temporary erosion control mat Type A, B, C, or E per CMS 671 over the surface of all bioretention planting soil.

NOTES

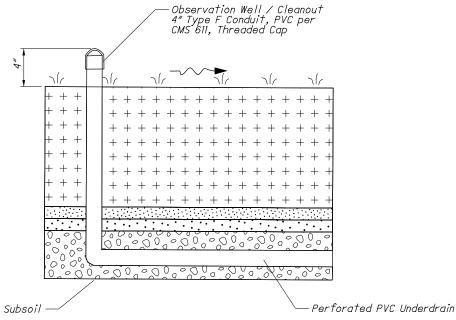
BIORETENTION PLANTING SOIL: See Plan Note (Bioretention Cells) on Sheet 18 for approved bioretention planting soil characteristics.

PLANTINGS: If not specified on the plans, seed the bioretention cell area per CMS 659. Do not apply fertilizer or lime to the bioretention cell area.

SUBSOIL: Scarify the subsoil 3" minimum before installation of aggregate into bioretention cell.

BIORETENTION SIDES: Construct bioretention cells with vertical sides unless otherwise specified.

PAYMENT: Bioretention cell will be paid for as Iem 601, Bioretention Cell cu yd and Item 601 Tied Concrete Mat sq yd. Excavation will be paid for as Item 203, Excavation as per plan cu yd. Perforated underdrains, observation wells, and associated fittings and couplers will be paid for as Item 605, 4" Deep Pipe Underdrains, As Per Plan. Non perforated underdrains will be paid for as Item 611, Outlet Pipe. Seeding and mulching for the bioretention cell will be paid for as Item 659, Seeding and Mulching sq yd. Erosion control mats will be paid for as Item 617, Erosion Control Mats sq yd.



OBSERVATION WELL / CLEANOUT

NOT TO SCALE