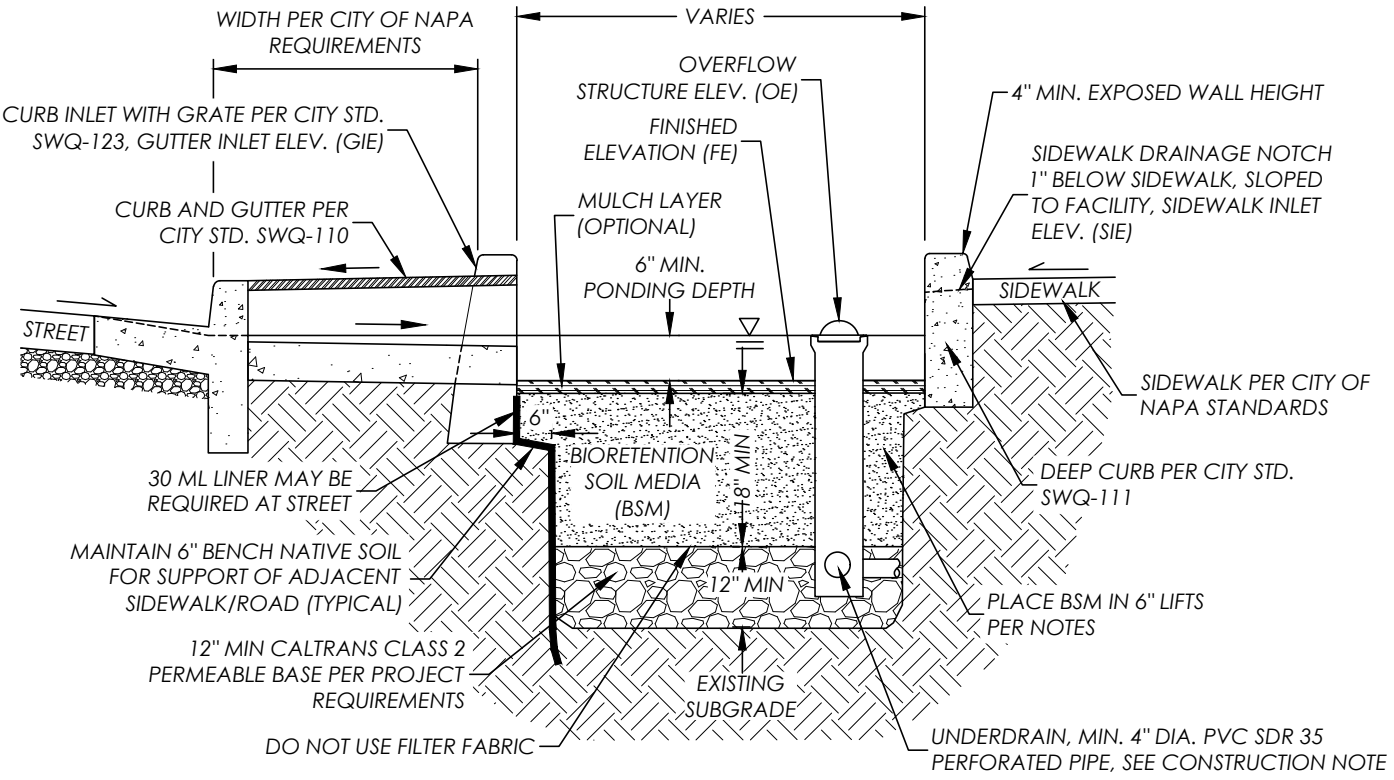

DESIGN NOTES

1. ADDITIONAL DESIGN GUIDANCE PROVIDED IN BIORETENTION FACILITY FIGURE 4.1 & 4.2 OF THE BASMAA POST-CONSTRUCTION MANUAL.
2. OVERFLOW STRUCTURE REQUIRED FOR IN-LINE SYSTEMS WITHOUT OVERFLOW BYPASS, CITY STD. SWQ-140.
3. PROVIDE SPOT ELEVATIONS AT INLETS ON CIVIL PLANS (FE, OE, GIE, SIE). SEE CITY STD. SWQ-120.
4. EDGE CONDITION WILL VARY FOR NEW AND RETROFIT PROJECTS. CURB, WALL, AND SIDEWALK DETAILS MAY BE MODIFIED FOR PROJECT BY CIVIL AND GEOTECHNICAL ENGINEERS.
5. IF CHECK DAMS ARE NEEDED, SEE CONCRETE CHECK DAM PER CITY STD. SWQ-131.
6. IF CALTRANS CLASS 2 PERMEABLE IS NOT AVAILABLE, SUBSTITUTE CLASS 3 PERMEABLE WITH AN OVERLYING 3" DEEP LAYER OF 3/4" (NO. 4) OPEN-GRADED AGGREGATE. (VERIFY WITH CITY OF NAPA CONSTRUCTION DIVISION)
7. BIORETENTION SOIL MEDIA (BSM) SPECIFICATION PER BASMAA POST-CONSTRUCTION MANUAL.
8. PLANTING DESIGN AND IRRIGATION PER BASMAA POST-CONSTRUCTION MANUAL APPENDIX F-PLANT MATRIX.
9. MULCH (OPTIONAL) PER BASMAA POST-CONSTRUCTION MANUAL APPENDIX F-PLANT MATRIX.
10. LOCATE ENERGY DISSIPATION COBBLE ONLY AS SPECIFIED IN INLET DETAILS-AVOID DECORATIVE USE.

CONSTRUCTION NOTES

1. SCARIFY SUBGRADE BEFORE INSTALLING BIORETENTION AREA AGGREGATE AND BSM.
2. FACILITY EXCAVATION TO ALLOW FOR SPECIFIED SOIL AND MULCH DEPTHS TO ACHIEVE FINISHED ELEVATIONS ON CIVIL PLANS.
3. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, ALLOW TO DRY OVERNIGHT BEFORE PLANTING.
4. DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
5. KEEP HEAVY MACHINERY OUTSIDE BIORETENTION AREA LIMITS.

CITY OF NAPA — PUBLIC WORKS DEPARTMENT

STREET BIORETENTION FACILITY

(FLAT/PLANTER, WITH ON-STREET PARKING, SIDEWALK, WITH UNDERDRAIN)

DRAWN BY:	LFM	CHECKED BY:	TCW
DATE:	06/2018	APPROVED BY:	JRL
SCALE:	NONE	DRAWING NO.	SWQ-201
FIELD NOTES:			

G:\Public\Sts\STORMWATER PROGRAM\E.12 Post Construction Stormwater Management Program\E.12.c-f_Site Design Measures\Post-Construction Standards\AutoCad Drawings\SWQ-201 - Street Bio Planter underdrain w park.dwg