



FILTER FABRIC PER
CALTRANS STD 88-1.03

GRAVEL LAYER CALTRANS 25MM
COARSE AGGREGATE PER 90-3.02

BIO-SWALE PER RCFC&WCD DRAWINGS
WITH A 5% MAX AND 0.5% MIN.
LONGITUDINAL SLOPE

2/3 CALTRANS FINE AGGREGATE (SAND) PER 90-3.03
1/3 PEAT OR WELL ROTTED COMPOST MIX

6" DIA. PERFORATED PIPES UNDER DRAIN CONNECTED TO
OUTLET DRAIN. ADDITIONAL PIPES REQ'D. WHEN WIDTH
EXCEEDS 6 FT. CLEAN-OUT WYES REQ'D. AT UP AND DOWN
STREAM ENDS AND AT 50 FT. MAX. SPACING

NOTES:

1. REFER TO VALLEY-WIDE PLAN ZONE PLANT PALLETTE FOR RECOMMENDED PLANT SPECIES.
2. ALL TREES MUST BE LOCATED AT LEAST 36" OUTSIDE OF TOE OF BIO-SWALE.
3. ALL PLANT MATERIAL SHALL COMPLY WITH THE MSHCP PLANT LIST OF AVOIDABLE INVASIVE SPECIES.
4. ALL BIO-SWALES SHALL BE IRRIGATED WITH POINT-TO-POINT LOW VOLUME IRRIGATION PER BIO-SWALE IRRIGATION DETAIL. NO OVER-HEAD CONVENTIONAL SPRAY IRRIGATION WILL BE ALLOWED.
5. PLANTING SHALL NOT OCCUR WHEN MOISTURE LEVELS EXCEED NORMAL PLANTING CONDITIONS. AND INTERIM DRAIN LINE CAN BE INSTALLED TO REMOVE EXCESSIVE WATER CONTENT IF NEEDED DURING THE FIRST PLANTING SEASON ONLY. ALL MEANS OF WATER REMOVAL MUST COMPLY THE GOVERNING WATER BOARD REGULATIONS.
6. ALL BIO-SWALE GRADES AND DRAINAGE MUST BE APPROVED IN WRITTING BY VALLEY-WIDE RECREATION AND PARK DISTRICT PRIOR TO ANY IRRIGATION OR PLANTING.
7. DUE TO THE DENSITY OF PLANTING AND WATER FLOW, ZONES 2 AND 3 WILL NOT REQUIRE BARK MULCH. 4" DEEP BARK MULCH WILL BE REQUIRED FOR ALL OTHER ZONES.
8. STORM WATER SHALL NOT BE DIRECTED TO SWALE UNTIL ALL UPSTREAM AREA HAS BEEN COMPLETELY STABILIZED FOR EROSION AND SILTATION CONTROL AND VEGETATION HAS BEEN ESTABLISHED. IF A BIOFILTRATION SWALE IS PUT INTO OPERATION BEFORE ALL CONSTRUCTION IN THE DRAINAGE AREA OF THE SWALE IS COMPLETE, THE SWALE MUST BE CLEANED OF SEDIMENT PRIOR TO ACCEPTANCE. FINANCIAL GUARANTEES WILL NOT BE RELEASED IF SWALES ARE NOT RESTORED AND VIGOROUS PLANT GROWTH IS ESTABLISHED.

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VALLEY-WIDE RECREATION & PARK DISTRICT

PARKWAY PLANTING SECTION VIEW

WQ-01
REV. 2012