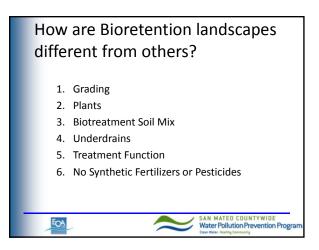
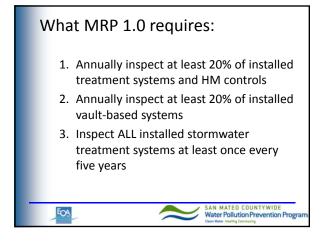




What are the Types of BMPs? 1. Vaults and Ponds a) Hydrodynamic Separators (e.g. CDS) b) Hi-Flow Rate Media Filters (Stormfilter) Tree Filter (Filterra) Sand Filter e) Detention Ponds 2. Bioretention (LID) a) Standard Bioretention Area (Rain Garden) Flow Through Planter Stormwater Curb Extension d) Stormwater Sidewalk Planter Tree Filter (Underground bioretention) Green Roofs SAN MATEO COUNTYWIDE Water Pollution Prevention Progra







Top 10 Items to Check:

- 1. Biotreatment Soil Condition and Trash
- 2. Plant Maintenance
- 3. Mulch, Rock and Netting
- 4. Flow Spreading
- 5. Standing Water Mosquitos
- 6. Inlets and Overflows
- 7. Irrigation System
- 8. Conveyances
- 9. Erosion
- 10. Signage and Maintenance Records





1. Biotreatment Soil Mix

- a) Remove trash
- b) Check compaction with soil probe
- c) Remove accumulated fine sediments
- d) If more soil mix is needed, order from a supplier on the program list:

http://flowstobay.org/newdevelopment



















2. Plant Maintenance

- a) Remove dead plants (replace with better choice if conditions have changed)
- b) Remove excess plants they fill in and often need thinning after 1 year
- c) Remove weeds and invasive plants do not use synthetic herbicides (check OMRI.org)
- d) Leave some plants near inlets to slow water and filter trash
- e) If needed, fertilize only with non-synthetic products like worm castings & compost (check for OMRI.org for product listing)





Plants:

- a) Right Plant, Right Place
- b) Use Appendix A (Plant List) in the C3 Tech. Guidance on the SMCWPPP Website: www.flowstobay.org/newdevelopment
- c) Consider irrigation needs/availability
- d) Choose to minimize pruning at maturity
- e) Perennials like: Rushes, Sedges, Fescues, Bunch Grasses and Sedums.
- f) No Turf: The Drought!
- g) Avoid the use of invasive species Check www.cal-ipc.org, the California Invasive Plant Council list.













Remove the turf and replace with rock mulch in the flow line with wood mulch and shade plants in the other areas.

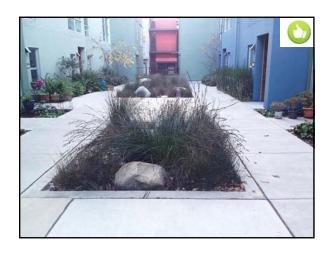




These trees, shrubs and vines have now matured and are blocking the light to the turf. So turf was not a good choice to begin with. Wood mulch is all that is necessary.



















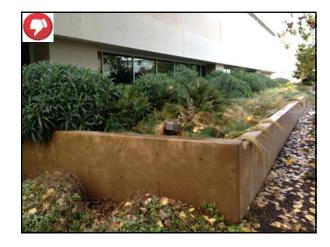
















3. Mulch (wood, rock or netting)

- a) Use 3" of composted arbor mulch, gravel, cobble or jute netting depending on design
- b) Needs to be replenished annually
- c) Cover all bare soil areas except within 12" of tree trunks
- d) May need a screen on the overflow look for "Bathtub ring"
- e) Remove weeds and then replenish mulch
- f) Mulch supplier spec/list being developed























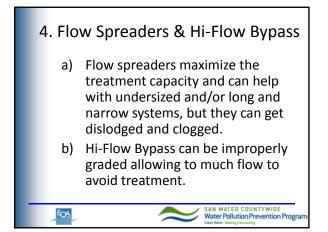
















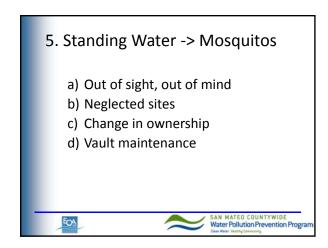




















a) Flow splitters can be installed incorrectly b) Weirs can be adjusted c) Pumps need maintenance d) Handover from construction to maintenance needs to be checked. e) Remove leaf blockages SAN MATEO COUNTYWIDE Water Pollution Program









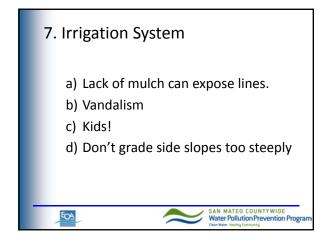














8. Conveyances

a) Curb Cut width
b) Trench Drain width and length
c) Valley gutters
d) Manhole sealing
e) Pipe blockages
f) Pumps need to be tested annually













9. Erosion a) Use splash blocks, rock, flow spreaders and mulch to prevent erosion b) Compacted soils c) Excessive Hardscape Features d) Large outlet pipes (recommend a maximum of 6") SAN MATEO COUNTYWIDE Water Pollution Program Caster Water Pollution Program







