

*Benefits of using Best Management Practices for Stormwater Management*

A. Site Highlights

1. Five paving materials
2. No curb and gutter
3. Unconventional sidewalk design for onsite stormwater detention
4. Detain 25-year storm event on-site
5. Stormwater pipes designed for 2-year storm event
6. Medians are depressed and capture stormwater
7. Stormwater treatment for phosphorus and total suspended solids
8. Perforated pipes in storm drain system
9. Minimal cracking of pervious concrete is acceptable
10. Eliminate design concern of maintaining 2% slope of pervious concrete
11. Surface flow of offsite stormwater (replaces 10 ft x 10 ft box culvert to creek)

B. Site Benefits

1. Groundwater recharge
2. Watershed perspective
3. Decrease nuisance water
4. Water quality improvements
5. No ponding

C. Site Design Elements: On/offsite stormwater flows

1. Swales
2. Roof drains
3. Storm drain to channel/pond