



City of San Diego

Memorial Park Infiltration Pit Project

San Diego IRWMP Prop 50 Grant Program
December 5, 2012



Municipal Permit Requirements

Municipal Storm Water Permit Requires BMP's
(Effective March 24, 2008)

City initiated a Tiered and Phased Approach to BMP implementation:

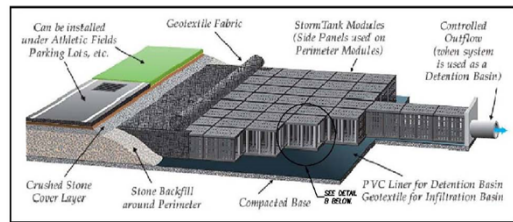
- Tier 1 – Education & Behavior Change
 - Radio Announcements & Targeted Street Sweeping
- ✓ ◦ Tier 2 – Source Control & Runoff Reduction BMP
 - Infiltration basins
- Tier 3 – Large Structural Treatment & Control BMP
 - Large Treatment & Control BMP



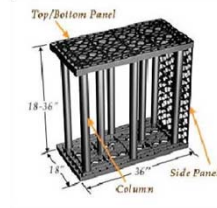
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Memorial Park Concept

- Infiltrates urban runoff from impervious areas
- Design reduces runoff volume during storms



OPTION 1: DETAIL A - STORM TANK
NOT TO SCALE



OPTION 1: DETAIL B - STORM TANK
NOT TO SCALE

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Memorial Park Budget

- Construction (Match) \$276,338
- Monitoring (Reimbursable) \$249,796
- Other Non-Grant Costs: \$388,771

- Total: \$914,904

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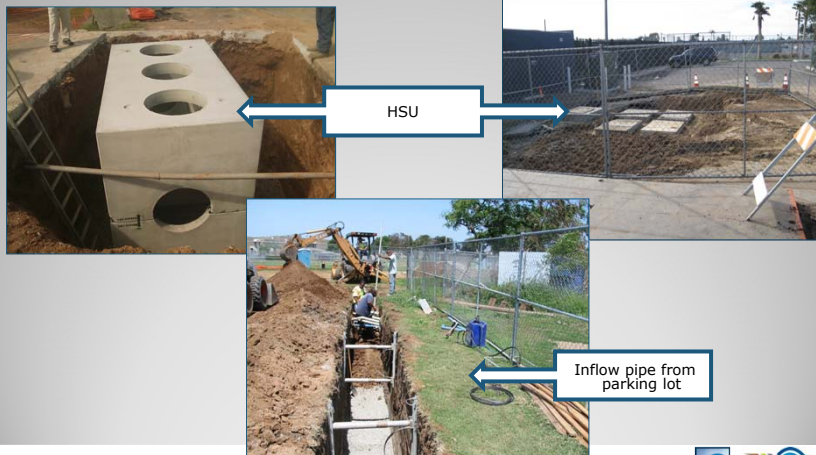
Memorial Schedule

- Concept Design began 2007
- Full Design Completed 10/2009
- Construction Began 07/2010
- Construction Completed 11/2010
- Monitoring Began 11/2010
- Report Completed 06/2012

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Construction



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Construction

Infiltration Pot with Geotextile liner



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Construction



HSU



Infiltration Vault Modules

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Construction




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Memorial Park Findings

- Effectiveness Monitoring Useful
 - Runoff reduction, but not as much as expected
 - Site condition variability may impact wider use
- Lessons learned
 - Site Conditions Critical
 - Consider Maintenance in Design

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Questions?

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