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**PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION**

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**DEVELOPMENT ENGINEERING  
DESIGN BULLETIN**

**CATEGORY: 3 Improvement Plans, Storm Drain**  
**TITLE: 3.4.1 Quality and Quantity Facilities**

**DATE: June 1, 2008**

PUBLIC STORM WATER QUALITY AND QUANTITY MITIGATION SYSTEMS MUST BE DESIGNED IN A MANNER THAT WILL ALLOW THE CITY TO OPERATE AND MAINTAIN THE FACILITIES. USE THE FOLLOWING GUIDELINES IN THE DESIGN AND SPECIFICATION OF THE STORM WATER FACILITIES:

1. Location of the system shall be readily manageable with an all weather paved or concrete surface and accessible by large (jet vactor) equipment.
2. Access points or manholes should be situated reasonably close (8') to the all weather surface.
3. There shall be minimal roadway obstructions next to facility maintenance points. Vegetation or trees shall be planted in locations where growth will not obstruct future access.
4. The vactor nozzle used for maintenance is 12" in diameter and is rigid for 15'. Design of weirs, chambers, manifolds, and access points shall accommodate nozzle size. Consideration to depth versus diameter of access is required.
5. Where feasible, structure's bottoms will be slightly sloped to the center of the structure.
6. Where grouting is specified/performed, the installer shall thoroughly eliminate all spilled grout promptly before hardening.

Designers are reminded to provide all information and notes necessary to operate and maintain storm water quality treatment and quantity facilities on improvement plans. These plans become the primary source of information for maintenance personnel and must be as informative as possible. They should include descriptions of how the facility is designed to operate, descriptions of maintenance procedures and intervals, and sources of required materials.