

## **MARKER No. 06: George G ( Child – d. ?) son of Sarah**

### **EXISTING CONDITIONS**

- Marble headstone is in fair condition and is displaced from its base, lying canted on the ground.
- The headstone contains biological growth and slight staining, and is experiencing slight surface erosion. Inscriptions are partially legible.
- Slotted sandstone base is broken into fragments and is in poor condition. Concrete berms from a previous repair remain atop the sandstone base.



*Before (July 2008)*



*After (May 2009)*

### **TREATMENT SUMMARY**

#### **A. Excavation/Fragment Recovery**

1. Excavate and recover sandstone base fragments (3-4 fragments).
  - ▶ no matching fragments recovered.
2. Remove concrete berm from sandstone base.

#### **B. Cleaning**

1. For removal of biological growth and general soiling, the marble headstone and sandstone base fragments were cleaned with D/2 Architectural Antimicrobial.
  - a. Clean water at low pressure (max 300 psi) and hand-pump sprayer.
  - b. Natural or nylon bristle brushes (varying stiffness and sizes).
  - c. Avoid dissolution or erosion of the stone.
    - ▶ stones were successfully cleaned, however, slight biological staining and discoloration remain, which cannot be removed without harsh methods.

#### **C. Re-attachment and Repair**

1. Re-attach sandstone base fragments using two-part stone epoxy and stainless steel or nylon pins.
  - ▶ no matching fragments recovered.
2. Patch and infill losses in sandstone base with custom mixed Type N mortar to match sandstone.
  - ▶ two stainless steel threaded pins inserted into base for keying in patch.
  - ▶ the entire loss was not patched due to extent of material required and concerns with performance.

#### **D. Reset and Level**

1. Reset and level sandstone base upon compacted gravel.
2. Reset and plumb marble headstone into slotted sandstone base with a Type O mortar mix.
  - ▶ Two stainless steel threaded rods were inserted in bottom of headstone with grout to mechanically attach to base.

#### **E. Site Preparation and Repair**

1. Place pea gravel around base