

**MARKER No. 13: MARY AVERY (d. 1853) wife of WM. R.H. Avery**

**EXISTING CONDITIONS**

- The marble headstone is in good condition and the inscriptions are partially legible. The headstone is not currently set in a solid base and is leaning over.
- The headstone is experiencing biological growth and staining.
- Concrete berm at the base of the east face.
- Remnants of a sandstone base are present.



*Before (July 2008)*



*After (May 2009)*

**TREATMENT SUMMARY**

**A. Excavation/Fragment Recovery**

1. Remove concrete berms from marble headstone.
2. Remove headstone from ground.
3. Search for base.
  - ▶ miscellaneous sandstone fragments were found (possibly base fragments).

**B. Cleaning**

1. For removal of biological growth and general soiling, the marble headstone was 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.
    - ▶ stone was cleaned, however, biological staining and discoloration remain.
    - ▶ it is recommended that additional cleaning efforts be carried out (test different products and methods).

**C. Re-attachment and Repair**

1. If recovered, re-attach sandstone base fragments using two-part stone epoxy and stainless steel or nylon pins.
  - ▶ sandstone fragments were recovered, however, not enough to reconstruct a complete base. Because the recovered fragments were incomplete, and due to lack of physical evidence and documentation, the sandstone base was not reconstructed at this time. Sandstone fragments were retained on site.
  - ▶ It is recommended that the fragments be properly buried in a geotextile pocket next to marble headstone.

**D. Reset and Level**

1. If sandstone base is recovered and repaired, reset base at proper depth upon compacted gravel and set marble headstone into slotted sandstone base with a Type O mortar mix.
  - ▶ sandstone base not reconstructed at this time.
2. If sandstone base is not recovered, reset marble headstone in the ground, at proper depth, in a mixture of gravel, sand, cement, and hydrated lime.
  - ▶ pieces of stone were placed in the bottom of the hole for foundation.

**E. Site Preparation and Repair**

1. Place pea gravel around base