

## MARKER No. 15: THOMAS W. CHASE (Child - d. 1860)

### EXISTING CONDITIONS

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



Before (July 2008)



After (May 2009)

### TREATMENT SUMMARY

- A. Excavation/Fragment Recovery
1. Remove headstone from ground.
  2. Search for base.
    - ▶ base not located.
- 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 successfully cleaned, however, slight staining and discoloration remain, which cannot be removed without harsh 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.
    - ▶ base fragments not found
- 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.
    - ▶ base not located.
  2. If sandstone base is not recovered, site-cast a new concrete base and attach marble headstone with stainless steel rods and a thin bed of mortar.
    - ▶ marble headstone was reset 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