

MARKER No. 08: HAMILTON FAMILY

EXISTING CONDITIONS

- The marble and sandstone monument is in good condition.
- The marble portion is experiencing minor biological growth and staining. There has been a slight loss of detail and inscription due to minor surface erosion. The ornamental stone finial is missing.
- Sandstone base is in good condition with slight biological growth and staining.
- The monument has been displaced from the ground and is no longer set at its proper depth.



Before (July 2008)



After (May 2009)

TREATMENT SUMMARY

A. Excavation/Fragment Recovery

- ▶ dismantled main monument (3 pieces) and lift base.
- ▶ excavated to proper depth (several small stone boulders and slabs were removed).
- ▶ excavate and lift four (4) adjacent small markers.

B. Cleaning

1. For removal of biological growth and general soiling, the marble monument and base 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.
 - ▶ the four (4) adjacent small markers and bases were also cleaned.

C. Reset and Level

1. Reset monument to proper depth on a base of compacted gravel. Monument shall be level and plumb.
 - ▶ sandstone base reset on a new foundation consisting of gravel, sand and a dry mix of lime and cement which was compacted and leveled.
 - ▶ marble plinth reset upon sandstone base with lime-based slurry (1:1:4 mix with fine silica sand).
 - ▶ marble shaft reset upon plinth with lime-based slurry and a single stainless steel threaded rod in grout.
 - ▶ small marker bases were raised and reset level on a bed of gravel and sand.
 - ▶ the small markers were reset on leveled bases with lime-based slurry (the existing metal pins were removed, cleaned, and re-installed with grout).

D. Re-attachment and Repair

- ▶ it is recommended that the missing urn/finial be reproduced and installed (new marble or cast stone).

E. Site Preparation and Repair

1. Place pea gravel around base.