

MARKER No. 19: ???

EXISTING CONDITIONS

- The upper crowned portion of the marble marker is in poor condition. It is experiencing severe biological growth and staining and surface erosion (dissolution). The design is somewhat disfigured and the inscriptions are not legible.
- The upper portion is displaced on its marble plinth and is overhanging on two sides (appears to be no pins or mortar).
 - ▶ the upper portion of the marker is bound to the plinth with epoxy (old repair attempt).
- The marble plinth and sandstone base are in good condition and are experiencing biological growth and staining.



Before (July 2009)



After (September 2009)

TREATMENT SUMMARY

A. Excavation/Fragment Recovery

B. Cleaning

1. For removal of biological growth and general soiling, clean the marble monument and sandstone base with D/2 Architectural Antimicrobial.
 - a. May require additional stone cleaning products (neutral) and multiple applications.
 - b. Clean water at low pressure (max 400 psi) and hand-pump sprayer.
 - c. Natural and nylon bristle brushes (varying stiffness and size).
 - d. Avoid dissolution or erosion of the stone.

C. Re-attachment and Repair

- ~~1. ALT M19-1: It may be prudent to explore the possibility of consolidating the upper portion of the marble marker (with a natural lime based solution) and/or the application of a water repellent (this treatment is not included in base scope of work).~~
 - ▶ because the upper portion of the marker is bound to the plinth with epoxy, and remedial attempts to remove it in the field could cause damage, the marker was not treated at this time. *It is recommended that a monument company remove the marker to their shop and cut it apart using large specialized masonry saws.*

D. Reset and Level

- ~~1. Reset upper portion of marker level and plumb upon existing marble plinth.~~
 - ~~a. Reset in a bed of lime & cement slurry with a threaded stainless steel pin.~~
 - ▶ because the upper portion of the marker is bound to the plinth with epoxy, and remedial attempts to remove it in the field could cause damage, the marker was not treated at this time. *It is recommended that a monument company remove the marker to their shop and cut it apart using large specialized masonry saws.*

E. Site Preparation and Repair

- ~~1. Place pea gravel around base~~