

MARKER No. 08: LYMAN HOLMES (d. 1856)

EXISTING CONDITIONS

- The marble headstone is in fair condition and is experiencing staining, biological growth, and slight surface erosion.
- The marble headstone is not currently set in a proper base and is leaning over.
- Severe vegetation encroachment.
- There are remnants of marble fragments (may be a footstone) and non-original concrete berms at the base
- No evidence of an original proper base.



Before (July 2009)



After (September 2009)

TREATMENT SUMMARY

A. Excavation/Fragment Recovery

1. Carefully remove concrete berms and marble fragments from base of marker.
2. Carefully excavate marble headstone.
3. Cut back vegetation.
4. Search for original base.
 - ▶ sandstone base fragments were located.
 - ▶ a marble footstone was located (inscription: *P. H.*- Holmes, Hickox, Hatch?), but does not belong to this headstone.

B. Cleaning

1. For removal of biological growth and general soiling, the marble headstone and fragments are to be cleaned with D/2 Architectural Antimicrobial.
 - a. Clean water at low pressure (max 400 psi) and hand-pump sprayer.
 - b. Natural or nylon bristle brushes.
 - c. Avoid dissolution or erosion of the stone.

C. Re-attachment and Repair

- ▶ re-attached sandstone base fragment using threaded stainless steel rod set in grout and a thin layer of lime-based slurry.
- ▶ the missing area of the sandstone base was patched with a custom-mixed Type-O mortar.
- ▶ the concrete encasement was removed from the marble footstone with small hand chisels (some minor losses and spalls occurred during removal).

D. Reset and Level

1. If original sandstone base is recovered, it shall be reset level upon a bed of compacted gravel and the marble headstone attached plumb and square with lime-based grout and stainless steel pins.
- ~~2. If original sandstone base is not found, the marble headstone will be reset in the ground in a mix of gravel, sand, cement, and hydrated lime.
 - a. Place brick or pieces of stone in hole for additional support.~~
3. If a marble footstone is found, its original location shall be determined and it should be reset as described in D-2.
 - a. If original location of the footstone is not determined, it should be set in the pea gravel behind the headstone; buried in geo-textile adjacent to headstone; or archived off site.
 - ▶ the original location of the footstone was not determined, therefore, it was leaned against the front of the marker (possible *Permellia Hatch*, but there are currently no similar footstones in the Hatch Family Group).

E. Site Preparation and Repair

- ~~1. Place pea gravel around base~~
 - ▶ the area around the base was raked and graded.