

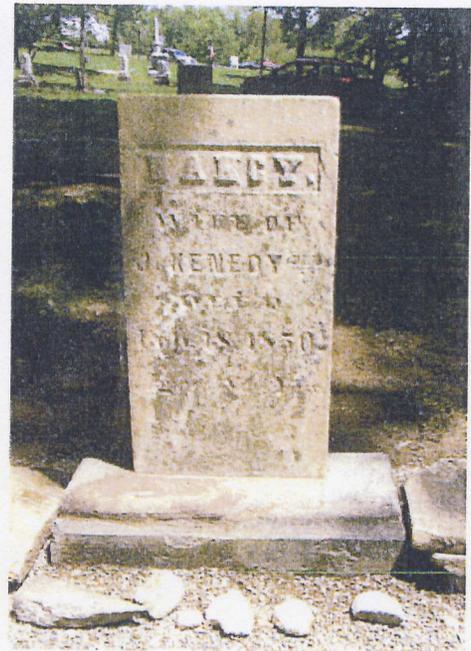
## MARKER No. 05: NANCY KENNEDY (d. 1850) wife of John Kennedy

### EXISTING CONDITIONS

- The marble headstone is in poor condition, broken into fragments (3-4). The headstone's tenon still remains in the slotted base and the other fragments are partially buried.
- What appears to be a small marble footstone is lying next to the sandstone base.
- The sandstone base is in fair condition with a portion of the top fractured/spalled off and is experiencing biological growth and slight staining.



Before (July 2008)



After (May 2009)

### TREATMENT SUMMARY

#### A. Excavation/Fragment Recovery

1. Carefully excavate and recover marble headstone and sandstone base fragments (3-4 fragments).
  - ▶ foreign marble headstone fragments and what appears to be a footstone were found; one sandstone base fragment was found.
2. Attempt to remove marble tenon from slotted base.
  - ▶ tenon was removed, but it was in poor condition and very soft
3. Excavate sandstone base for leveling and resetting.

#### B. Cleaning

1. For removal of biological growth and general soiling, the marble headstone fragments and sandstone 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 (or varying stiffness and sizes).
  - c. Avoid dissolution or erosion of the stone.
  - ▶ stones were successfully cleaned, however, biological staining and discoloration remain, which cannot be removed without harsh methods.

#### C. Re-attachment and Repair

1. Re-attach marble headstone fragments using two-part stone epoxy and stainless steel or nylon pins.
  - ▶ because the tenon fragment was in poor condition and the fracture area of the headstone was also soft, a sound re-attachment was unlikely; therefore, the tenon was buried and the headstone was cut back square to sound material (approximately 2").
  - ▶ base fragment re-attached and the remaining area of loss was patched with a custom-mixed Type N mortar.

#### D. Reset and Level

1. Reset and level sandstone base upon compacted gravel.
2. Reset and plumb marble headstone into slotted sandstone base with a Type O mortar mix and point.

#### E. Site Preparation and Repair

1. Backfill and grade areas that were disturbed during fragment excavation.
2. Place pea gravel around base.