

MARKER No. 04: FRIZZELL MONUMENT – L. Frizzell:1885; Harriet:1878; Henry G:1862; Sylvia: 18*7

EXISTING CONDITIONS

- The marble obelisk is in good/fair condition.
- The marble obelisk is experiencing minor surface erosion, biological growth and staining, and some minor chips and losses at edges. There is a fine vertical crack in the shaft which appears to be the result of inherent geological properties and weathering.
- The marble finial is missing and there are remnants of previous epoxy repairs between marble base and plinth.
- The sandstone base is in good condition and is experiencing biological growth and staining.
- The entire monument is settling (sinking) and leaning to the east. The monument is leaning at an extreme that is producing the potential for toppling over.



Before (July 2009)



After (September 2009)

TREATMENT SUMMARY

A. Excavation/Fragment Recovery

- ~~1. Attempt to carefully dismantle monument prior to leveling and resetting (if dismantling is not possible, the obelisk will be “shrink wrapped” or encased prior to attempting to move).~~
2. Excavate for leveling.

B. Cleaning

1. For removal of biological growth and general soiling, the marble obelisk and sandstone base 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

- ~~1. ALT M4 1: Attempt to mechanically remove the old exposed epoxy from surface of marble using detailing rotary tools.~~
2. Inject vertical crack in marble shaft with *milk of lime*.

D. Reset and Level

1. Reset monument level and plumb.
 - ▶ the foundation was excavated to let down west side of base and the monument was maneuvered into level and plumb with levers and a hydraulic jack.
 - ▶ the foundation was restored with compacted rocks, sand and a dry mix of lime, cement and sand.
 - ▶ an additional *Sylvia Frizzell* marker was found at the northwest area of the cemetery and was placed adjacent to the *Sylvia* side of the Frizzell monument.

E. Site Preparation and Repair

1. The soil was replaced around the base.