

STONE CONSERVATION TREATMENTS

Hanover Center Cemetery, Hanover, MA

July, 2012



Documentation of Restorations to Center Cemetery

MONUMENT CONSERVATION COLLABORATIVE LLC, NORFOLK, CT

P O BOX 541, NORFOLK, CT 06058

Standards of Practice

The goal of the cemetery conservator is to preserve both the substance and significance of funerary monuments. Because of the physical proximity of the visitor to the artifacts, cemetery conservation procedures demand closer tolerances of color and texture than are generally enforced in the related field of architectural historic preservation. They require the collaboration of the conservator and the historian/curator on ethical, technical and aesthetic considerations, especially with regard to issues of the restoration of inscriptions and decoration.

In general, cemetery conservators have in the recent years, been moving toward a “conserve as found” approach, emphasizing the preservation of monuments via materials and methods that are dedicated to retarding environmental processes of decay.

Documentation

Prior to starting any work, all gravestones, tombs and other monuments to be restored were digitally recorded. A condition assessment form was prepared for each monument, describing existing conditions and recommended treatments.

Documentation was made of all conservation treatments performed, and a completed set of these documents is enclosed. All digital images are recorded on the enclosed DVD and are identified with the markers ID number.

Restoration work was also digitally documented with the ID number followed by a decimal number.

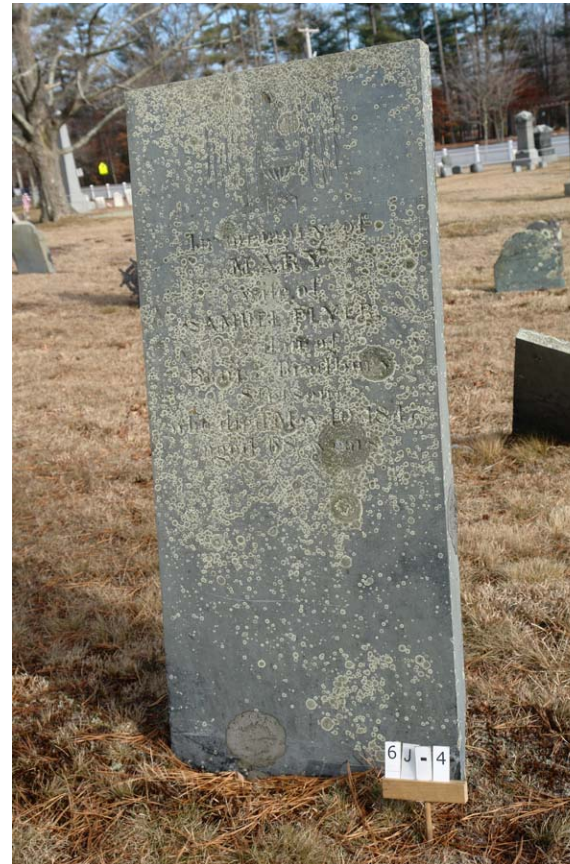
Cleaning

The goal of cleaning is not to return the monument to a "like new" appearance, but to remove particulate soiling, staining and biological growth that may interfere with successful restoration. In most situations, cleaning was done prior to other treatments.

Removal of biofilm was with D/2 Biological Solution. It is an aqueous antibacterial solution that also aids in the removal of algae, fungi and other organisms. After application and scrubbing with soft brushes, surfaces are fully rinsed with water. Stubborn, well-attached growths will slowly release their grip in a short amount of time and the stone will appear cleaner.

Cleaning of marble markers was limited to those requiring structural adhesions. General cleaning of marbles would make the markers appear very white and not historically accurate.

Failed adhesives, mortars and pins were carefully removed before proceeding with new conservation treatment. Mechanical removal was done with hand tools and smaller power tools.

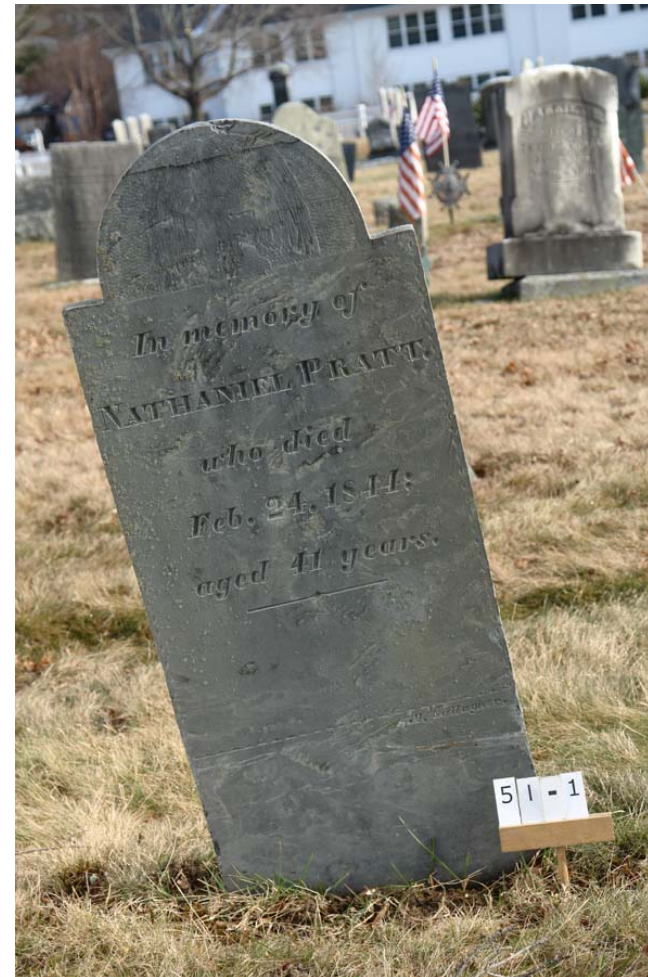


6J.04 Mary Plyer, before and after treatment with D/2

Resetting Tilted

Earlier gravestones are typically long panels of stone that were set directly into the ground. After determination of the correct location and orientation of the stone, soil was removed to an appropriate depth. Gravel (or broken stone) was introduced to establish a stable base. The stone was made plumb and level, and set in plane with the adjacent markers. Backfilling was done with sand and gravel, wetted and compacted. Every effort was to replace disturbed areas with existing topsoil and turf, however additional topsoil was required at a number of sites.

A number of markers were found to have large concrete and rubble “foundations”, probably done about 50 years ago. In most cases these foundations were removed and replaced when necessary.



Before and after— severely tilted 51.01 Nathaniel Pratt

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Resetting into existing bases

In many cases, fallen markers had been originally set into below grade sandstone bases. When discovered, these bases were often uncommonly deep, more than one foot. Bases were excavated, examined for soundness and reset level at a higher elevation and aligned with adjacent markers.



When excavating for resetting often original, or old bases are discovered



Old base aligned with adjacent markers and reset level.

Resetting into existing bases cont'd

Gravestones that required insertion into existing bases were set with a relatively weak cement/ lime-based grout (3:2:8:1) with fine aggregates (000), made fluid with a high-range water reducer which ensures a complete fill. This was poured or injected into the base slot. Stones were braced for a minimum of three days to limit movement during curing of the grout.



Example of marker reset into slot and braced



Lower fragment reset into slot and braced. Top fragment will be attached with structural adhesive after grout has sufficiently cured.

Resetting into New Bases

A new below-grade base was fabricated when an original base could not be located, or the existing base was damaged beyond repair. Fabrication of a base was also necessary to re-erect the upper fragment(s) of earlier gravestones that did not have adequate length for conventional re-setting. These stones were usually fractured at or near the ground level and their lower elements are missing.

Bases were made on site by casting in place with concrete. The casting is generally 9 to 12 inches deep, and 6 inches greater in both thickness and width than the stone itself. The finished top surface of the base should be entirely below grade. A form for a 2 inch deep setting slot, $\frac{1}{2}$ inch wider and $\frac{1}{2}$ thicker than the stone, was positioned in the concrete. After the base cured, the gravestone was reset into the slot with a cement/lime-based grout as previously described. The top of the new base was covered with topsoil.



Form for new below grade concrete base



Concrete poured, with form for setting slot in place



Form removed, ready for resetting marker

Resetting onto existing Bases

When required, existing bases were leveled and aligned with adjacent markers.

For resetting onto existing bases or ledgers, setting surfaces were first primed with Acryl 60 diluted with water 1:3, and markers were reset with a cement/lime-based grout (3:2:8:1) with fine aggregates (000).

When necessary, stones were braced for a minimum of three days to limit movement during curing of the grout.



5J.04 Harriet Vinall reset onto existing base.

Structural Adhesion

All fragments were carefully cleaned and dry fitted. A thixotropic, thermosetting structural resin (A-5522, by Abatron, Kenosha, WI or equivalent) was thinly and evenly applied along the bond line only. The fragments were aligned, joined with clamps, and adequately braced during curing, which was typically a period of several days.

Several factors, including weathering, can result in a loss of stone surface, which results in a poor 'fit' at the fracture. In this instance, a structural fill (mix of structural resin and fine aggregates) was required in addition to the structural adhesive. The fill was tucked into any voids of the fracture, but was kept well back from the surface of the stone. After curing, the structural fill was concealed by installation of an appropriately colored cement/lime-based crack filler or restoration mortar (see "Cracks and Losses").

Work in this section was not performed when the temperature of the air or of the stone surface was below 50 degrees Fahrenheit.



#10J.02 Nancy Curtis, as found



Clamping and bracing in a vertical position allows gravity to help position fragments. Often marble becomes "bowed" or curved with time.

Structural Adhesion cont'd

Early slate markers appear smooth, however the surfaces may not be in the same plane, thus adhesions are usually done in place with gravity as a guide for a proper fit.



11K.01 Betsey Curtis— as found



After careful excavating, four fragments were found



11K.01 Betsey Curtis— completed

Cracks and Losses

The color and texture of all composites used to fill cracks and losses was matched to that of adjacent unsoiled stone. Fine cracks were filled with an integrally colored cement/lime-based formulation (RepliCal™ Crack Filler. Larger areas of loss were filled with either Jahn™ M-70 Restoration Mortar or with RepliCal™ a cementitious repair composite designed to match weathered surfaces. For marbles, Replical contains specially sized and graded marble aggregates.

After partial curing, the fills were treated with a light acid washing with 5% acetic acid. This final treatment removes any cement or lime from the surface of the filled area and exposes the aggregates of the mix. All treated areas were thoroughly rinsed with water.

Fills and patches are made to look weathered. Where lettering and inscriptions are lost, they are not replaced.

In these areas the filled plane is kept slightly back from the stone surface to indicate that there is a loss. Areas where there are no inscriptions can be filled level with the original stone.



4H.04 Joseph Studly. As found. Additional fragments were not found after extensive probing.



After structural adhesion, losses were filled with Jahn M-70 pigmented mortar.

Delaminations

The treatment of delaminations is designed to prevent further detachment of stone, by re-establishing cohesion between layers, and preventing the penetration of water.

Because slates have such extreme temperature variations, their continual expansion and contraction will eventually loosen any solid fills or grouts. Thus, most solid fills will fail within a short period of time. What appears to be a simple treatment is actually quite challenging. Recent successful treatments have been with industrial flexible fillers. Depending on the circumstances, we used three different products, sometimes in combination.

All voids caused by delaminating are usually filled along the top side of the marker only. The sides are kept open to allow the escape of any water that may enter the interior.

Best practice begins with the careful removal of loose debris in the voids, using hand tools and the cautious use of compressed air.

A pigmented pozzolanic hydraulic lime manufactured by VoidSpan (PHLc) was used as a flowable grout to fill large cavities.

Open joints along the top were filled with a pigmented flexible industrial “crack filler” by Sto.



Filling voids with a pigmented flowable grout (VoidSpan PHLc)



Filling top cavities with a pigmented crack filler by Sto. Excess material will be immediately wiped off with damp sponging

After removal of loose material, the interior surfaces are saturated with a wetting solution, such as isopropanol/ water.

When necessary, a low strength cement/lime (3:2:8) grout, with fine aggregates and pigmented to match the stone was used to fill wider voids. Excess grout is immediately removed with damp sponging.

The filled areas and surrounding surfaces are lightly misted with water and kept covered for a minimum of 3 days. After a partial cure the covering is removed and the filled areas and adjoining surfaces of the stone are treated with a weak acetic acid wash applied with a soft brush to remove excess grout and fully rinsed with water.

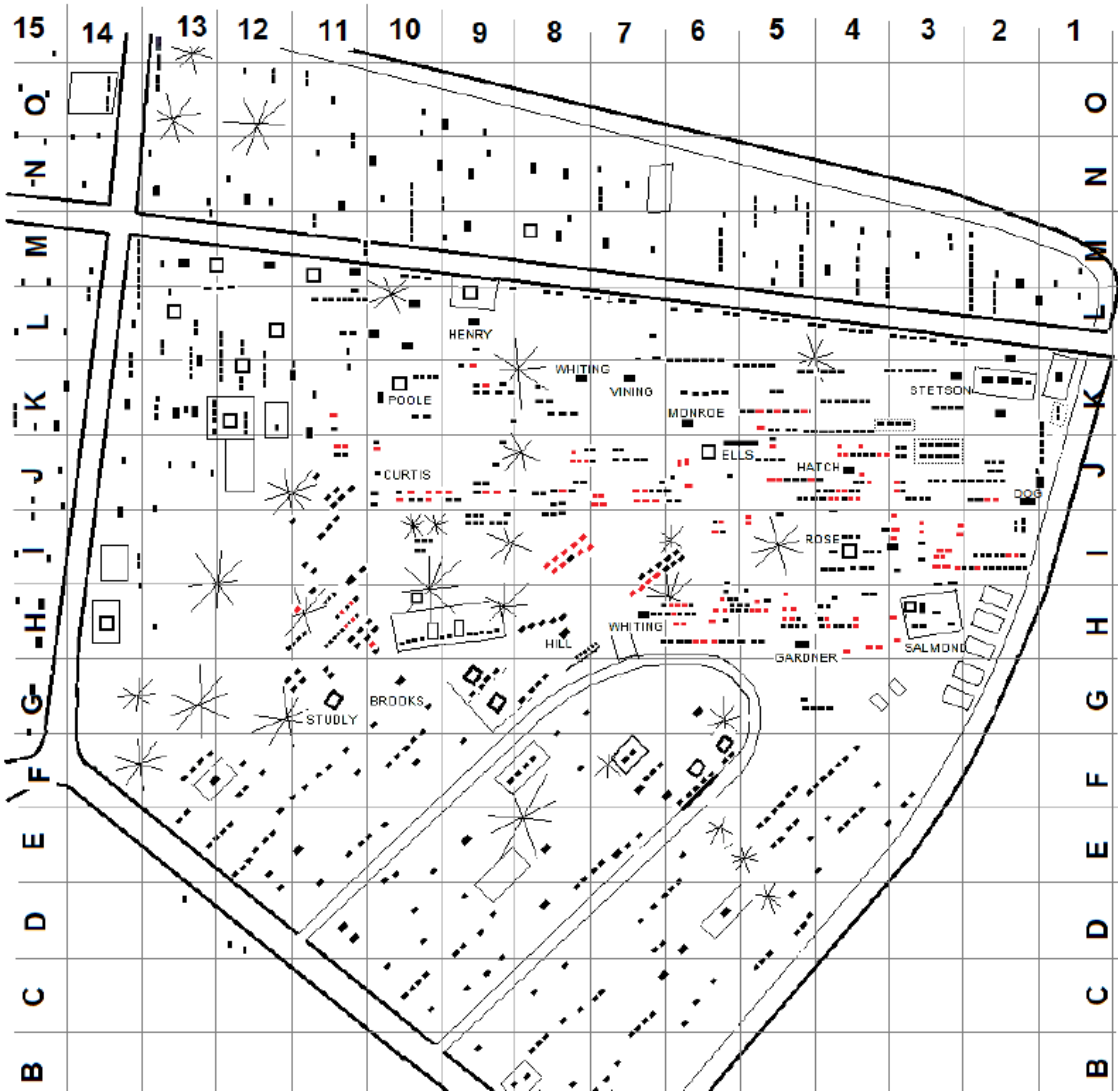


3l.10 Sarah White, before and after filling of voids



Location Map
All locations approximate.

Each marker within a grid box is given an identifying number.



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PRODUCTS/SUPPLIERS

D/2 Biological Solution

Granite City Tool
11 Blackwell Street Barre, VT 05641
802) 476-3137

**RepliCal™
Jahn™ Restoration Mortars**

Cathedral Stone Products Inc.
7266 Park Circle Drive
Hanover, MD 21076 USA
800 684 0901 fax 800 684 0904

**Adhesives
Aboweld 55-22**

Abatron Inc
5501 95th Avenue
Kenosha, WI 53144
414 653 2000 fax 414 653 2019

Sto Flexible Crack Filler

<http://www.stocorp.com/>

PRODUCTS/SUPPLIERS

VoidSpan PHLc

VoidSpan Technology
34 Boardman St
Salem MA 01970

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Abel H. Whiting

Death Date: 10/9/1842

Marker Type: Footstone

Condition of Inscription: Traces

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured Tilted	Reset Adhesive repair

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
2. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.
3. Any failed adhesives or mortar removed.
4. Mating surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water



Comments:

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Location: 2/I.01

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Albert Whiting**

Death Date: **10/12/1859** Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERLewis Whiting

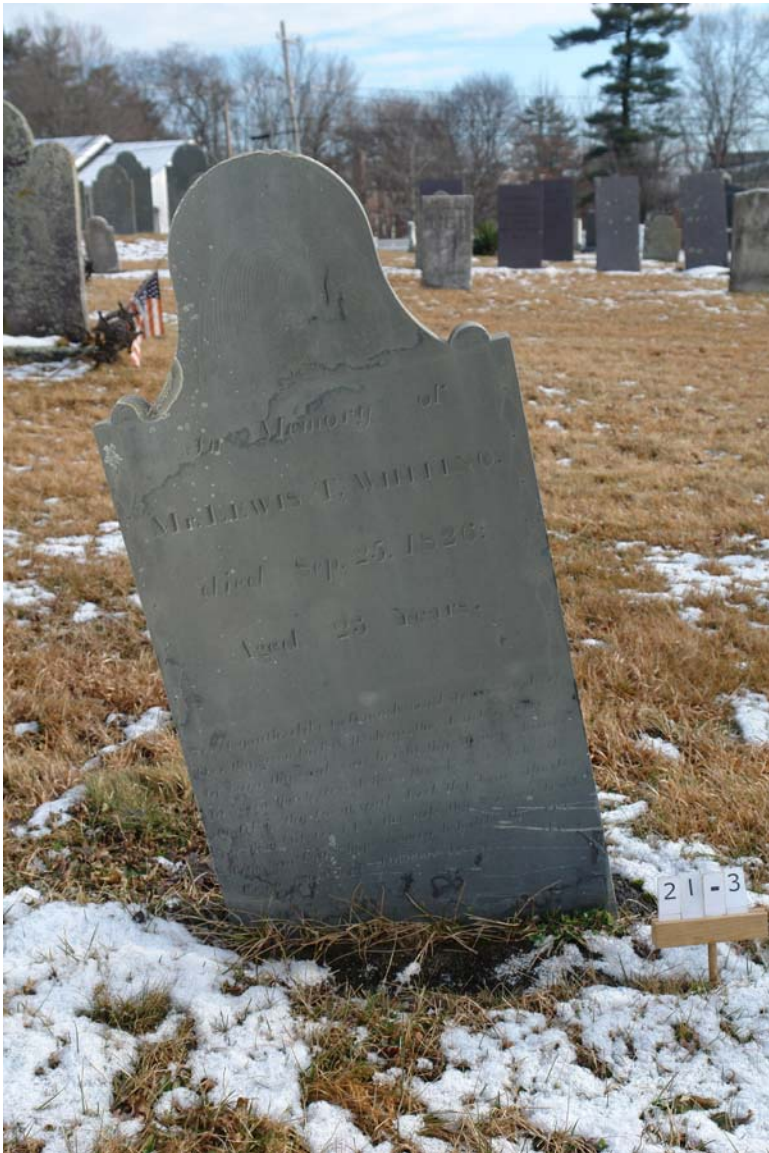
Death Date: 9/26/1826Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER**Capt. Joseph Chaddock**

Death Date: 6/1812

Marker Type: Headstone

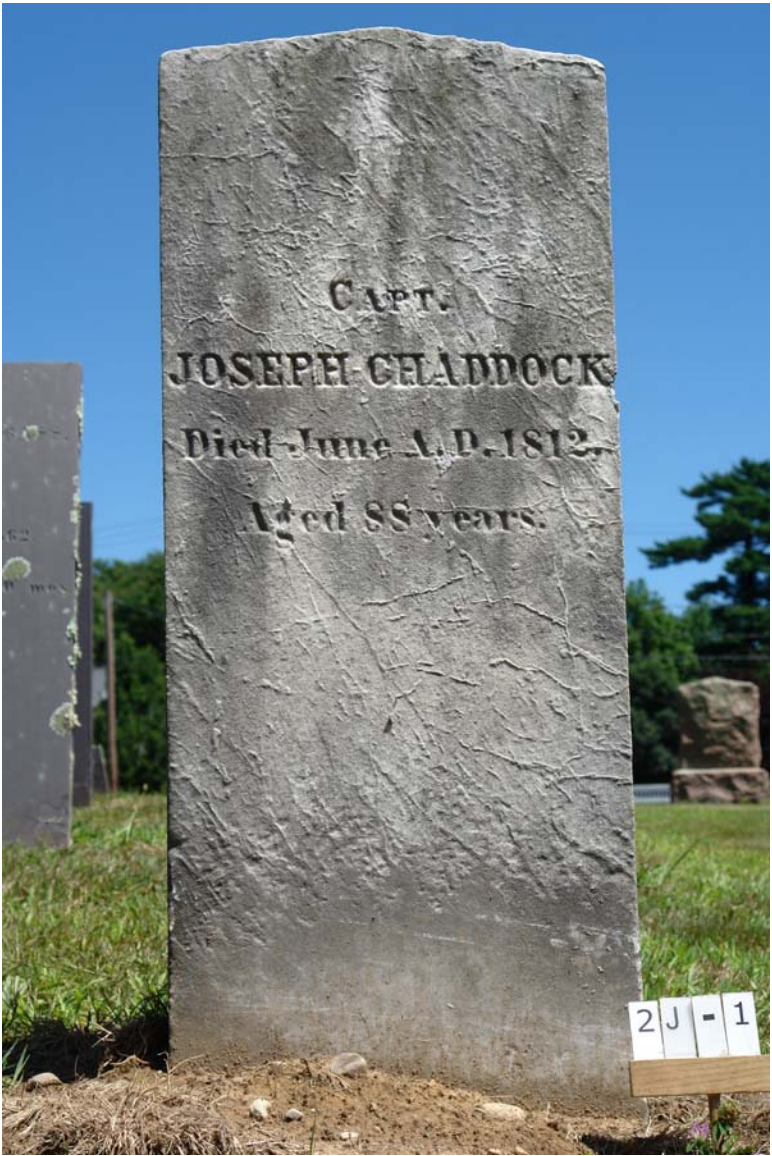
Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable	Reset to base

TREATMENT

1. Setting area excavated, original base found to be fractured.
2. A new below grade concrete base was cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERAvice Dwelly

Death Date: 3/19/1831Marker Type: Headstone

Condition of Inscription: Partially DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen- Overgrown	Reset in new base

TREATMENT

1. Setting area excavated, no additional fragments or base discovered.
2. A new below grade concrete base cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJob, Lydia Tilden

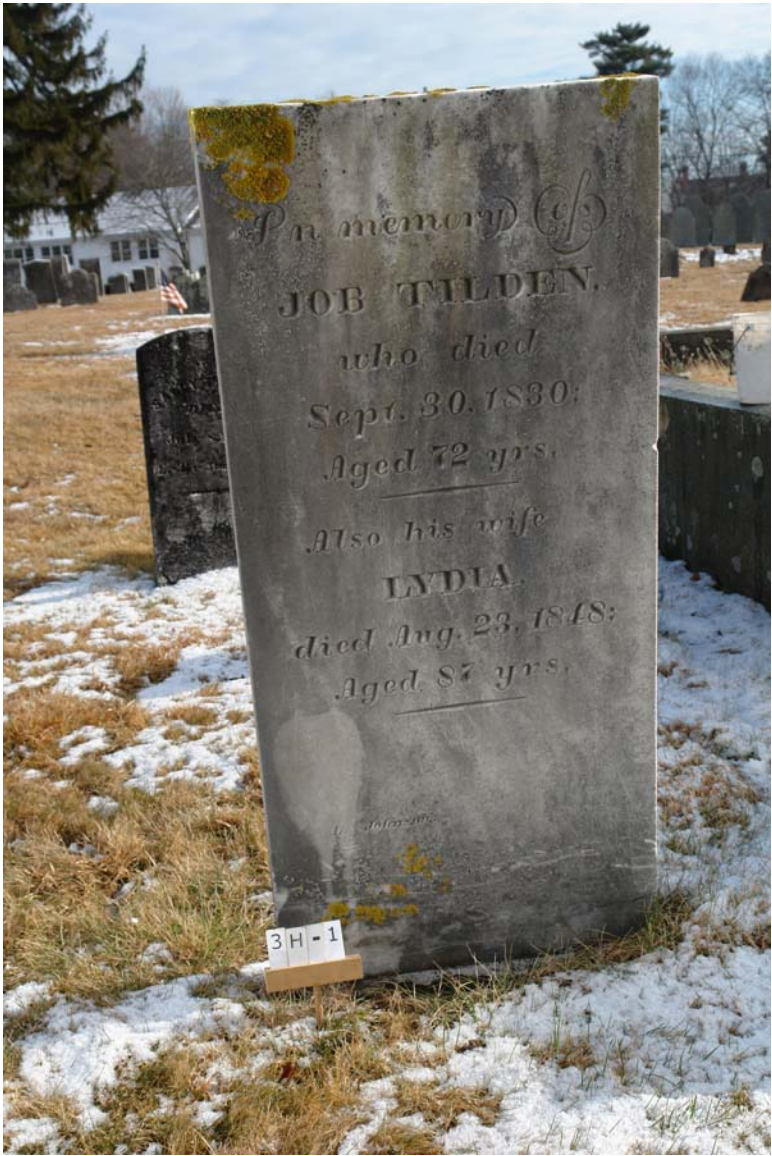
Death Date: 9/30/1830Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sally Tilden

Death Date: 7/8/1880

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERPolley Bailey

Death Date: 1788

Marker Type: Headstone

Condition of Inscription: Missing, traces

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Missing fragments	Reset Probe for fragments– inquire

TREATMENT

1. Area probed for missing fragment(s). None found.
2. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
3. When required, marker is removed from the ground.
4. Surface soiling removed by light brushing with nylon brushes and water.
5. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
6. Area backfilled around marker with tamped sand and gravel.
7. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERPolley Bailey

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Silvester Bailey

Death Date: 6/27/1788 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Comments:

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Location: 3/1.03

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sylvia B. Bailey

Death Date: 5/17/1792 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sylvia Bailey

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. Small voids at top filled with pigmented RepliCal crack fill, a cementitious hi-cal lime, misted and wrapped for min. 3 days.
8. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERDr. Peter Hubbard

Death Date: 10/20/1793Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset to base

TREATMENT

1. Marker removed from setting slot.
2. Failed mortar and debris removed from setting slot.
3. Marker reset plumb into setting slot with flowable 000 grout
4. Excess grout removed and marker braced for 3 days.
5. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



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Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER**Dr. Peter Hubbard**

Death Date:

Marker Type: **Footstone**

Condition of Inscription: **Missing, partial traces**

Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Losses	Reset Adhesive repair Fill losses

TREATMENT

Marker excavated, surrounding area unsuccessfully probed for fragments.
Not restorable



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoel Sylvester

Death Date: 10/3/1836Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERL. Sylvester

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Footstone out of ground	Excavate Reset footstone behind headstone

TREATMENT

1. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with back of headstone.

2. Area backfilled around footstone with tamped sand and gravel.

3. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sarah White

Death Date: 8/26/1790 Marker Type: Headstone

Condition of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Reset
Tilted	Cap
Loss	Fill loss area

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surface treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. Interior voids filled with pigmented pourable VoidSpan, misted and wrapped for min. 3 days.
8. Open delaminated areas filled with pigmented Sto crack filler
Excess material immediately removed with a damp sponge.
Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sarah White

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Losses	Reset Adhesive repair Fill losses

TREATMENT

Note: This marker has been recently fractured (after 1/10/2012)

1. Fragment(s) excavated and area probed for missing pieces.

2. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.

3. All surfaces treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.

4. Fragment(s) attached with structural adhesive, and braced until cured.

5. Cracks and losses filled with RepliCal and Sto crack fill, misted and wrapped min. 3 days.

6. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMartin Whiting

Death Date: 10/18/1793Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **David and Miriam Torrey**

Death Date: **7/5/1785** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured	Reset Structural adhesive

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
2. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.
3. Any failed adhesives or mortar removed.
4. Mating surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



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Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **David and Miriam Torrey**

Death Date: Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Adhesive repair

TREATMENT

1. Delaminated fragment(s) excavated and area probed for possible missing pieces.
2. Any failed adhesives or mortar was removed.
3. Mating surfaces of fragment(s) were treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
4. Fragment(s) attached with structural adhesive, and clamped until cured.
5. Cracks and losses filled with RepliCal misted and wrapped min. 3 days.
6. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.
7. Setting area was excavated to sufficient depth and stone re-set plumb and level onto gravel bed, aligned with adjacent markers.
8. Area backfilled around marker with tamped sand and gravel.
9. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERAmos Sylvester

Death Date: 10/12/1753Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERAmos Sylvester

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERSarah Baily

Death Date: 10/8/1740Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sarah Ramsdell

Death Date: 8/4/1773

Marker Type: Headstone

Condition of Inscription: Missing

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Evaluate

TREATMENT

Not restorable, very fragmented with large losses.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sarah Ramsdell

Death Date: Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating Fractured	Marker fractured since 1/10/2012

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces, if any.
2. Mating surfaces of fragment(s) cleaned and any failed adhesives or mortar removed.
3. Fragment(s) attached with structural adhesive (Abatron 55-22), and braced until cured.
4. Cracks and small losses filled with RepliCal crack fill, a cementitious hi-cal lime. Large losses filled with Jahn restoration mortar. Misted and wrapped min. 3 days.
5. After partial cure, excess fill material on adjacent surfaces was treated with acetic acid, brushed, and fully rinsed with water.
6. Marker reset plumb at appropriate height.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Studly

Death Date: 6/16/1766Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fragmented	Excavate Remove stump Reset bottom fragment Adhesive repair

TREATMENT

1. Marker carefully excavated and area probed for missing fragments
2. Small tree stump removed.
3. Lower fragment reset plumb and aligned with adjacent markers.
4. Any failed adhesives or mortar removed.
5. Surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
6. Fragment(s) attached with structural adhesive, and braced until cured.
7. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
8. After partial cure, any excess fill material on adjacent surfaces was treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Studly

Death Date:Marker Type:Footstone

Condition of Inscription:n.a.Material:Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Excavate area behind headstone Reset

TREATMENT

1. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
2. Area backfilled around marker with tamped sand and gravel.
3. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERElizabeth Tilden

Death Date: 3/2/1799Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Sunken Below grade fracture Old conc. base	Reset into new below grade base Clean

TREATMENT

1. Setting area excavated, no additional fragments or base discovered.
2. A new below grade concrete base cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERSarah Tilden

Death Date: 4/8/1757Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Bathshua Hatch

Death Date: 11/20/1824 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 4/J.01

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERBethia Hatch

Death Date: 11/7/1782Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

1. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
2. Small voids at top filled with pigmented Sto crack fill.
3. Excess material immediately removed with a damp sponge.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Ezekiel and Hannah Hatch**

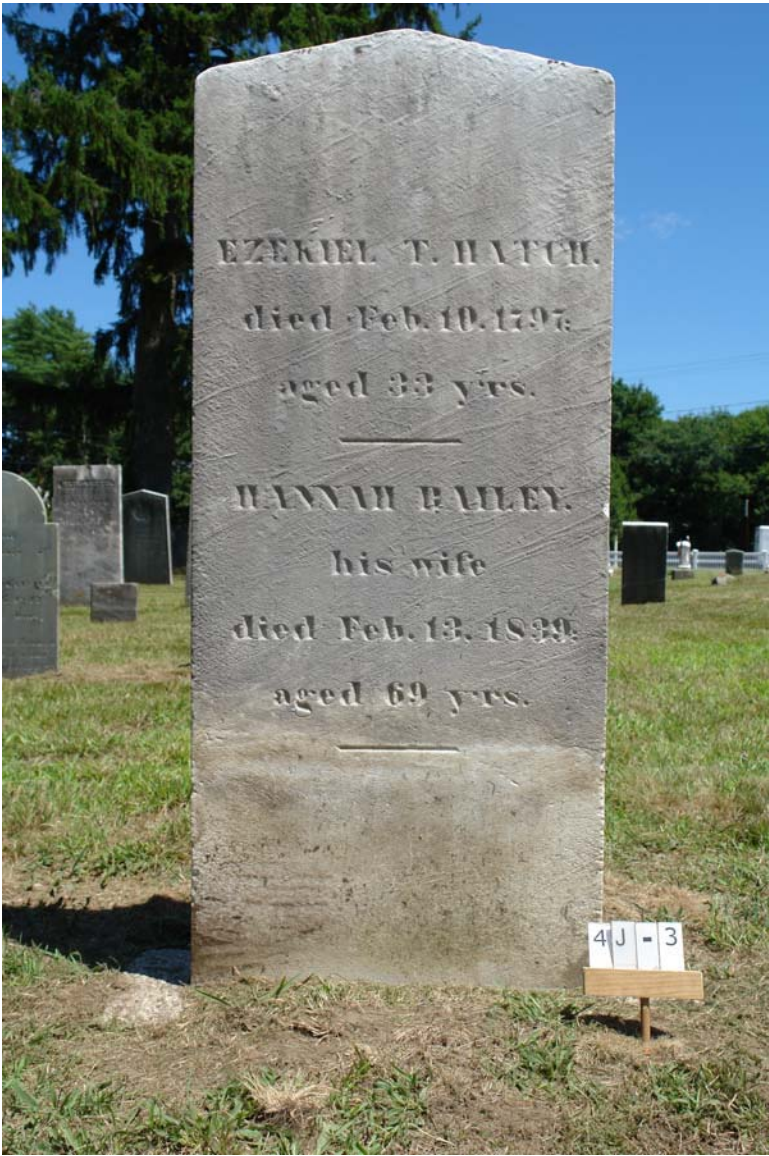
Death Date: **2/10/1797** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Below grade fracture Old conc. base	Reset into new below grade base

TREATMENT

1. Setting area excavated. During excavation footstone (4J.03.1) was discovered and fractured concrete base.
2. A new below grade concrete base was cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Ezekiel and Hannah Hatch**

Death Date: **2/10/1797** Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Discovered when excavating headstone 4J.03	Reset immediately behind head-stone

TREATMENT

1. Footstone carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with headstone.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Gamaliel Hatch

Death Date: 4/3/1767 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERIsrael Hatch

Death Date: 12/1781Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured Tilted	Reset bottom fragment Structural adhesion

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces
2. Any failed adhesives or mortar removed.
2. Surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
4. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Susanna Hatch

Death Date: 8/24/1782 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERT(homas) Hatch

Death Date:

Marker Type: Headstone

Condition of Inscription: Missing

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Face delaminated Tilted	Reset Attach face fragment (buried in front of marker)

TREATMENT

Face fragment was not found.

- 1.Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERHinchman Sylvester

Death Date: 4/23/1758Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJuletta Sylvester

Death Date: 12/27/1842Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Lt. Michael Sylvester

Death Date: 4/3/1802

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured Tilted	Reset lower fragment Adhesive repair

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces. Top fragment was not found.
2. Any failed adhesives or mortar removed.
3. Mating surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
4. Bottom fragemnt reset plumb at appropriate height, aligned with adjacent markers
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.
- .



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lucy Sylvester

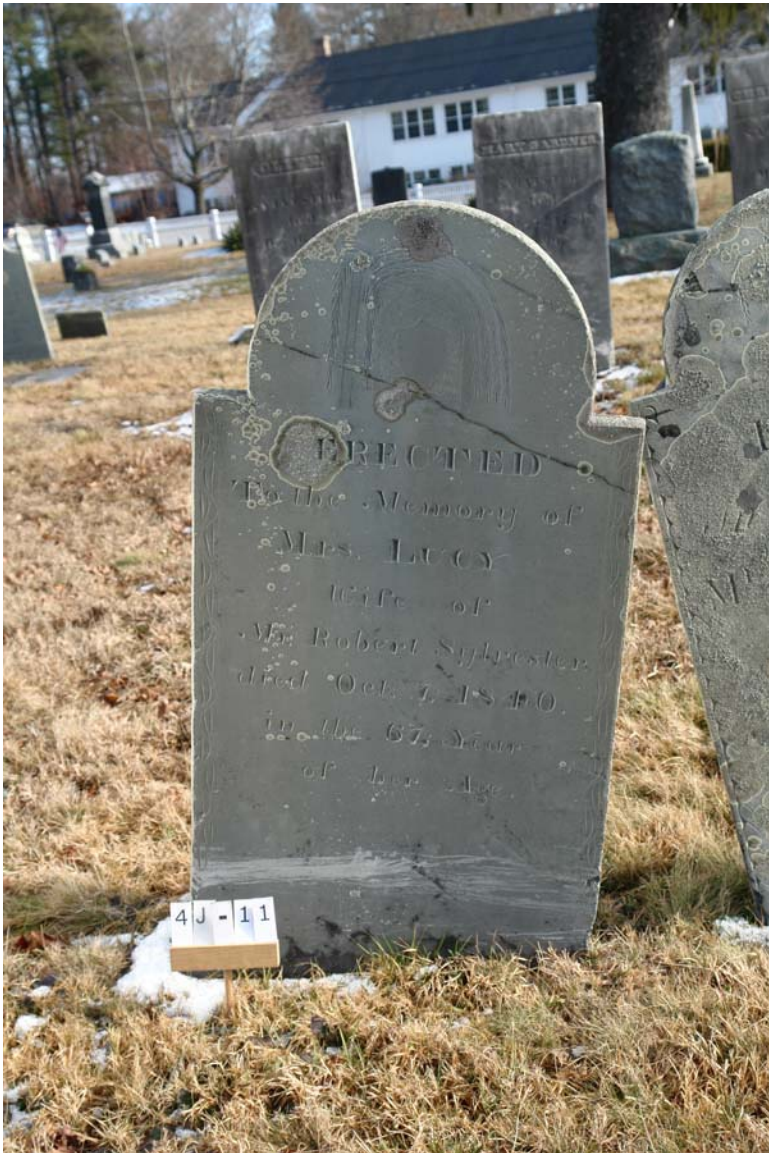
Death Date: 10/7/1840 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lucy Sylvester

Death Date: 1840

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERRobert Sylvester

Death Date: 8/17/1807Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminated into two pieces	Clean Attach delaminations Reset

TREATMENT

1. Two halves of marker carefully excavated and removed from the ground.
2. Mating surfaces cleaned by light brushing with nylon brushes and water.
3. Fragment(s) attached with structural adhesive (Abatron 55-22), and braced until cured.
4. Setting area excavated to sufficient depth and marker re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Seth H. Vinall

Death Date: 8/1/1902 Marker Type: Sm. monument

Condition of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen Loose on base	Reset base units and marker

TREATMENT

1. Area around bottom base excavated and unit set level.
2. Existing failed mortar and setting materials removed with hand tools.
3. Base reset onto bottom base using a cement/lime grout, joint areas cleaned.
4. When required, existing pins replaced with 4" stainless steel threaded pins set into mortar.
5. Marker reset onto base using a cement/lime grout, joint areas cleaned.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Elizabeth Ramsdell

Death Date: 6/19/1786 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, in made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 5/H.01

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Elizabeth Ramsdell

Death Date: 10/20/1811 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Hannah Ramsdell

Death Date: 8/11/1807 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Hannah Ramsdell

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary Ramsdell

Death Date: 6/1/1754Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Mary Ramsdell

Death Date: 6/1/1754

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset facing East Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
8. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERThomas Ramsdell

Death Date: 3/13/1757Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Anne Whiting

Death Date: 7/24/1789 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERHomer Whiting

Death Date: 10/11/1793Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Tabitha Curtis

Death Date: 1/25/1789

Marker Type: Footstone

Condition of Inscription:

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken Delaminating	Excavate Clean Poss new base Cap

TREATMENT



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERNathaniel Pratt

Death Date: 2/24/1844Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERNathaniel Pratt

Death Date: 2/24/1844Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Timothy Church

Death Date: 3/2/1766 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Timothy Church

Death Date: 3/2/1776

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Hannah B. Vinal

Death Date: 2/24/1881 Marker Type: Headstone/Base

Condition of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Area around bottom base excavated and unit set level.
2. Existing failed mortar and setting materials removed with hand tools.
3. Base reset onto bottom base using a cement/lime grout, joint areas cleaned.
4. When required, existing pins replaced with 4” stainless steel threaded pins set into mortar.
5. Marker reset onto base using a cement/lime grout, joint areas cleaned.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 5/J.03

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERHarriet L. Vinall

Death Date: 11/15/1890Marker Type: Headstone/Base

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset onto base

TREATMENT

1. Area around bottom base excavated and unit set level.
2. Existing failed mortar and setting materials removed with hand tools.
3. Base reset onto bottom base using a cement/lime grout, joint areas cleaned.
4. When required, existing pins replaced with 4" stainless steel threaded pins set into mortar.
5. Marker reset onto base using a cement/lime grout, joint areas cleaned.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Hannah Hart

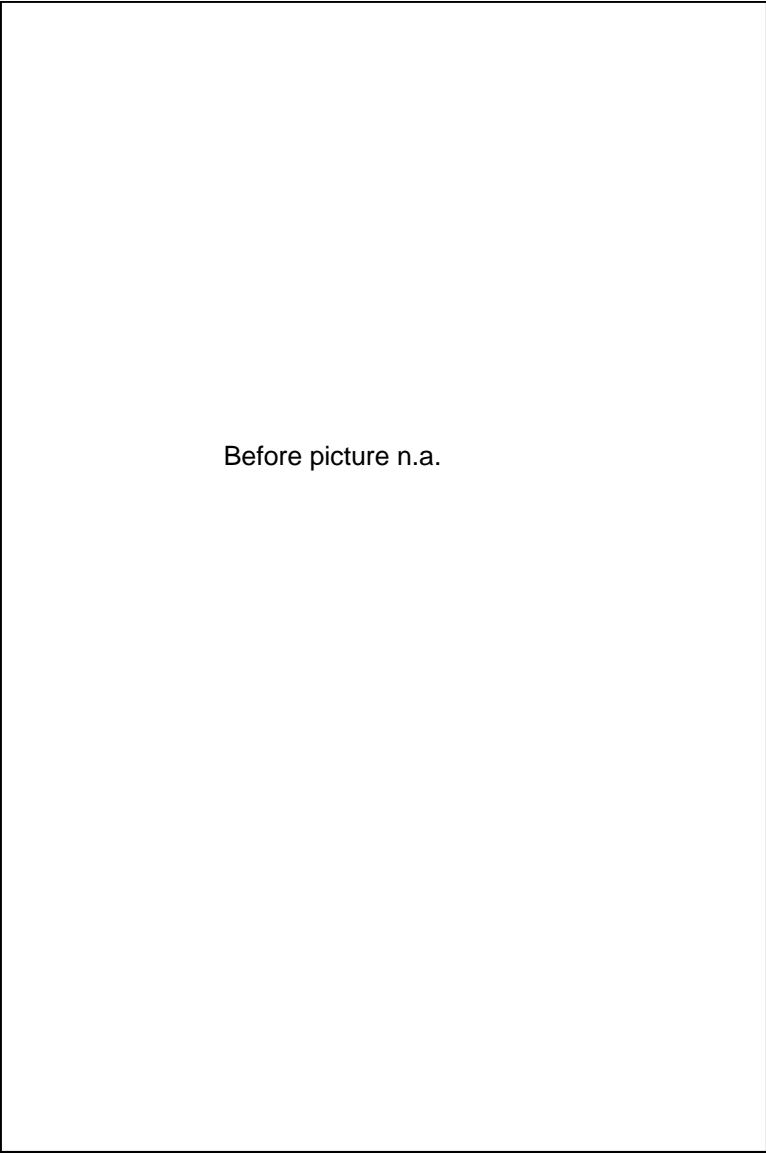
Death Date: 9/5/1874 Marker Type: Headstone

Condition of Inscription: Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Area around bottom base excavated and unit set level.
2. Existing failed mortar and setting materials removed with hand tools.
3. Base reset onto bottom base using a cement/lime grout, joint areas cleaned.
4. When required, existing pins replaced with 4” stainless steel threaded pins set into mortar.
5. Marker reset onto base using a cement/lime grout, joint areas cleaned.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Bathshua Curtis

Death Date: 10/28/1794 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary R. Curtis

Death Date:

Marker Type: Headstone

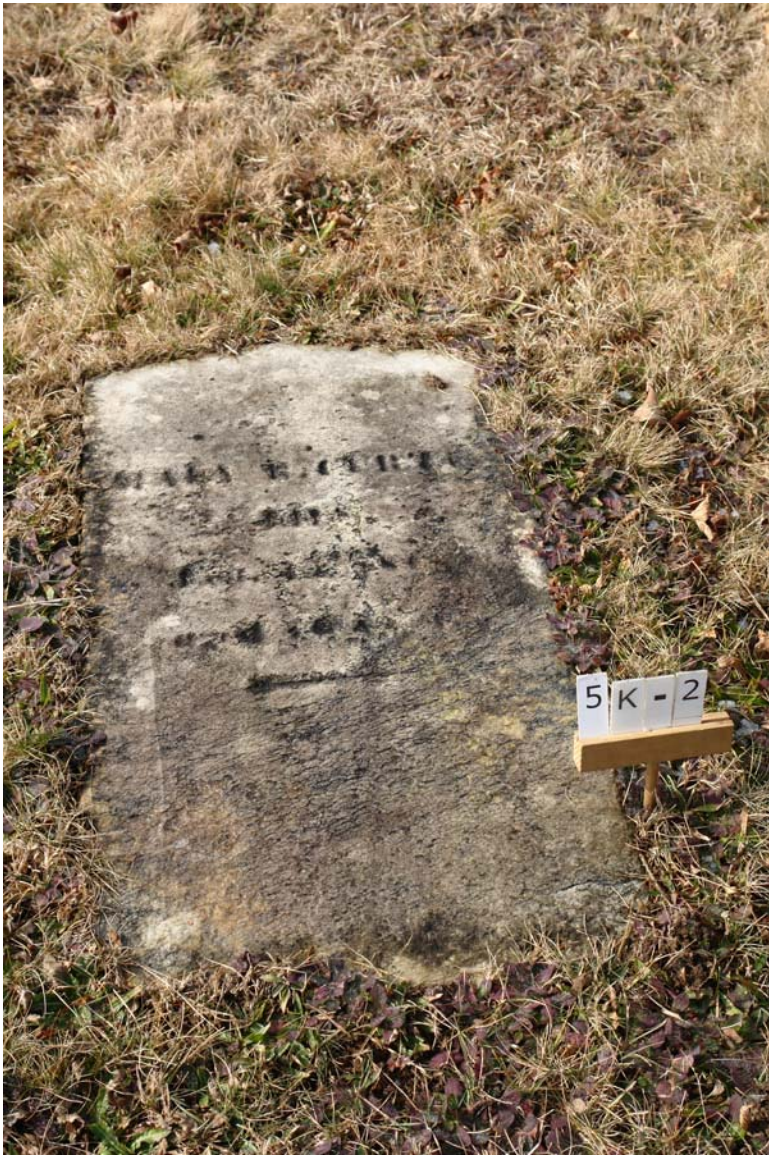
Condition of Inscription: Partially decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen– overgrown	Reset to new base

TREATMENT

1. Existing base located below grade while excavating for resetting.
2. Base excavated and determined sound and base reset level at appropriate height.
3. Failed setting mortar and/or stone fragments removed from slot, with power tools when required.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERReuben Curtis

Death Date: 2/20/1818Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

1. Treat surfaces with D/2 biological solution. Loosen any lichens with plastic or wood hand trowels. Brush or spray D/2 and scrub with nylon brushes. Rinse fully with water. Repeat as necessary
2. No evidence of delaminating.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERReuben Curtis

Death Date:Marker Type: Footstone

Condition of Inscription: n.a. Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Joseph and Andrew Eells

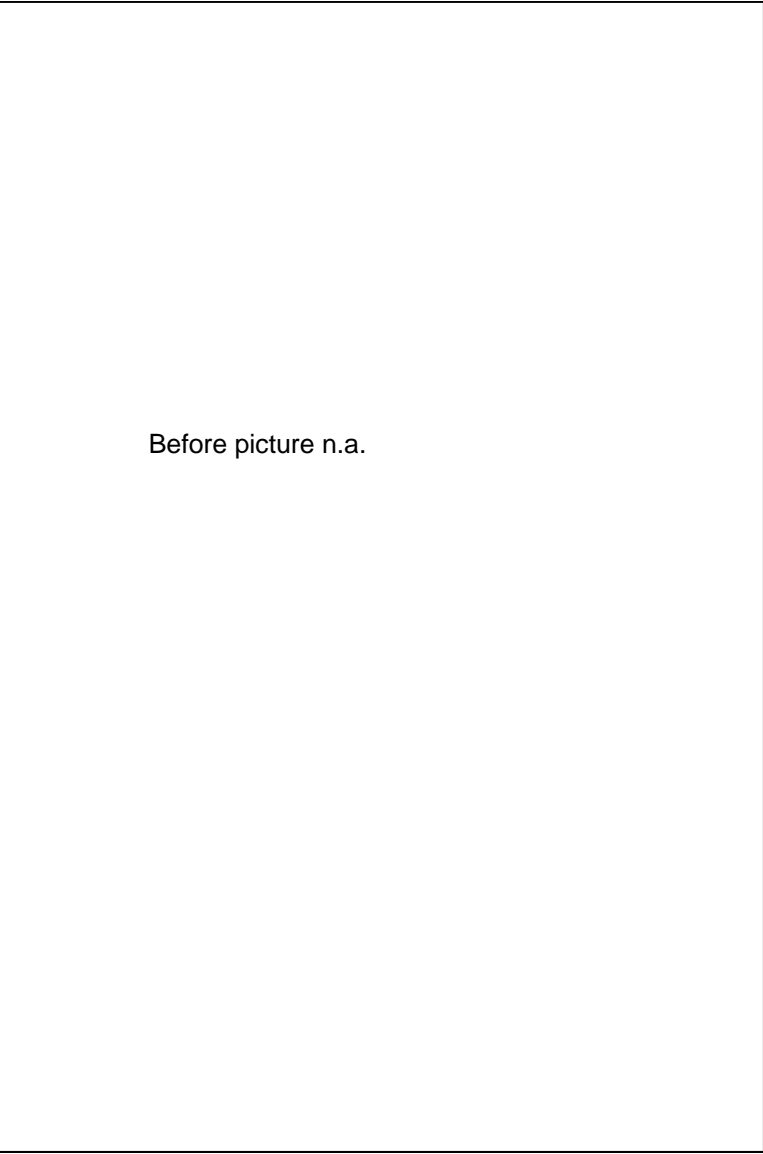
Death Date: **9/29/1834** Marker Type: **Headstone**

Condition of Inscription: Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. The soil around the tilted marker was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers
4. Area backfilled around marker with tamped sand and gravel
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Elisha Barker

Death Date: 10/18/1781 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Faces West	Excavate Reset facing East

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers and facing East.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Ruth Ellis

Death Date: 1/10/1772 Marker Type: Headstone

Condition of Inscription: Partially decipherable, missing Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Losses	Reset Adhesive repair Fill losses

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
2. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.
3. Any failed adhesives or mortar removed.
4. Surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, excess fill material on adjacent surfaces was treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERSarah Merritt

Death Date: 4/11/1835Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary E. Turner

Death Date: 10/31/1832Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset Discard old concrete

TREATMENT

1. Carefully excavate marker; large, extremely tilted headstones can be hazardous. Inspect marker for soundness.
2. Remove soil around stone to an appropriate depth, if required, remove stone from ground.
3. Excavate setting area to sufficient depth and re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers
4. Backfill area around marker with tamped sand and gravel
5. Re-grade disturbed areas with existing topsoil.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERAbel Whiting

Death Date: 1/24/1822Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Caleb Whiting

Death Date: 9/29/1792 Marker Type: Footstone

Condition of Inscription: Partially decipherable, missing Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
8. When excavating, edge fragment found. Fragment cleaned and attached with structural adhesive, then braced until cured.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Caleb Whiting

Death Date: 5/20/1848

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERHomer Whiting

Death Date: 2/5/1854

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Excavate area behind headstone Reset

TREATMENT

1. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with headstone.
2. Area backfilled around footstone with tamped sand and gravel.
3. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lucy Whiting

Death Date: 6/15/1840 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERPriscilla Whiting

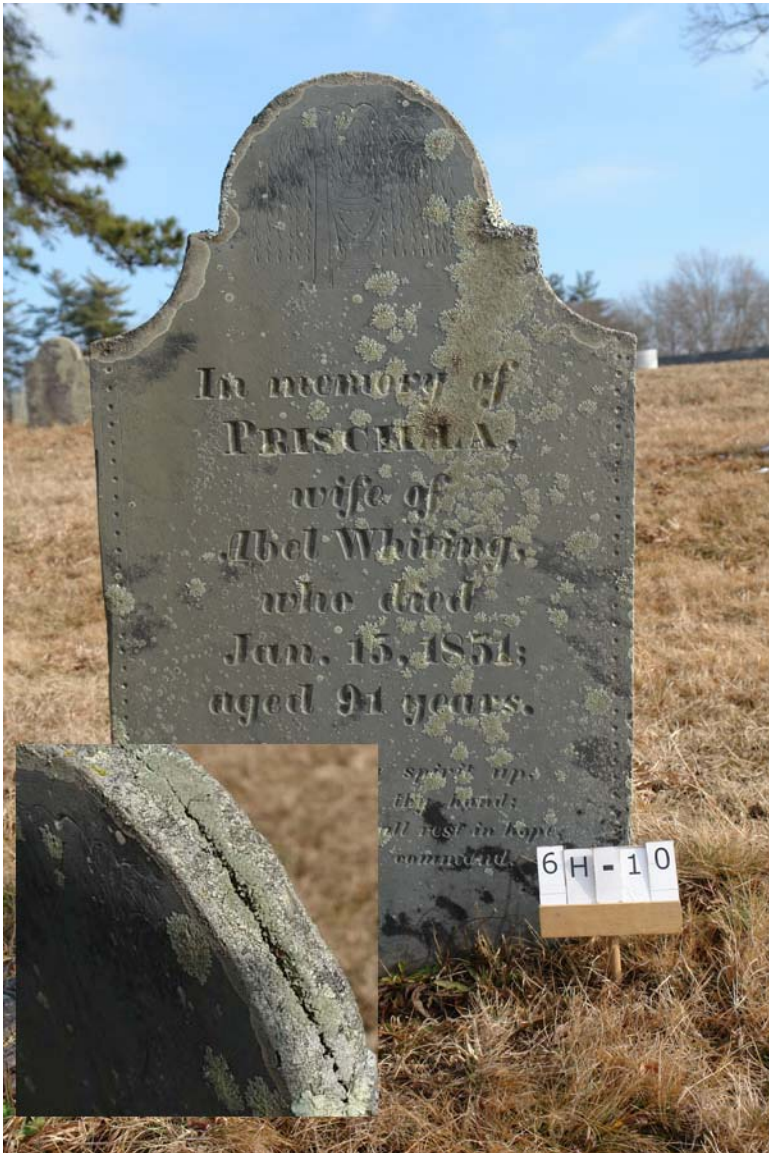
Death Date: 1/15/1851Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

1. Treat surfaces with D/2 biological solution. Loosen any lichens with plastic or wood hand trowels. Brush or spray D/2 and scrub with nylon brushes. Rinse fully with water. Repeat as necessary
2. Flush interior voids with water and remove any loose debris within voids with hand tools.
3. Flush interior of voids with denatured alcohol to aid in drying.
4. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sageman Whiting

Death Date: 10/11/1793 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Susan G. Whiting**

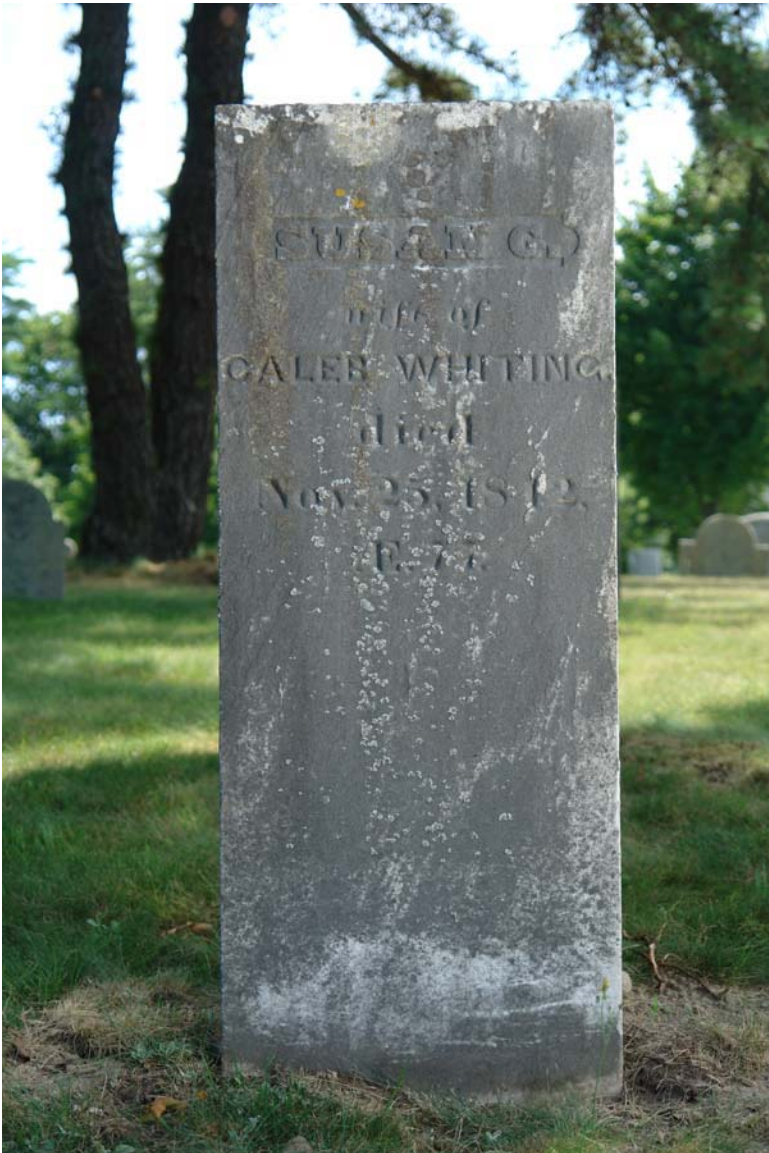
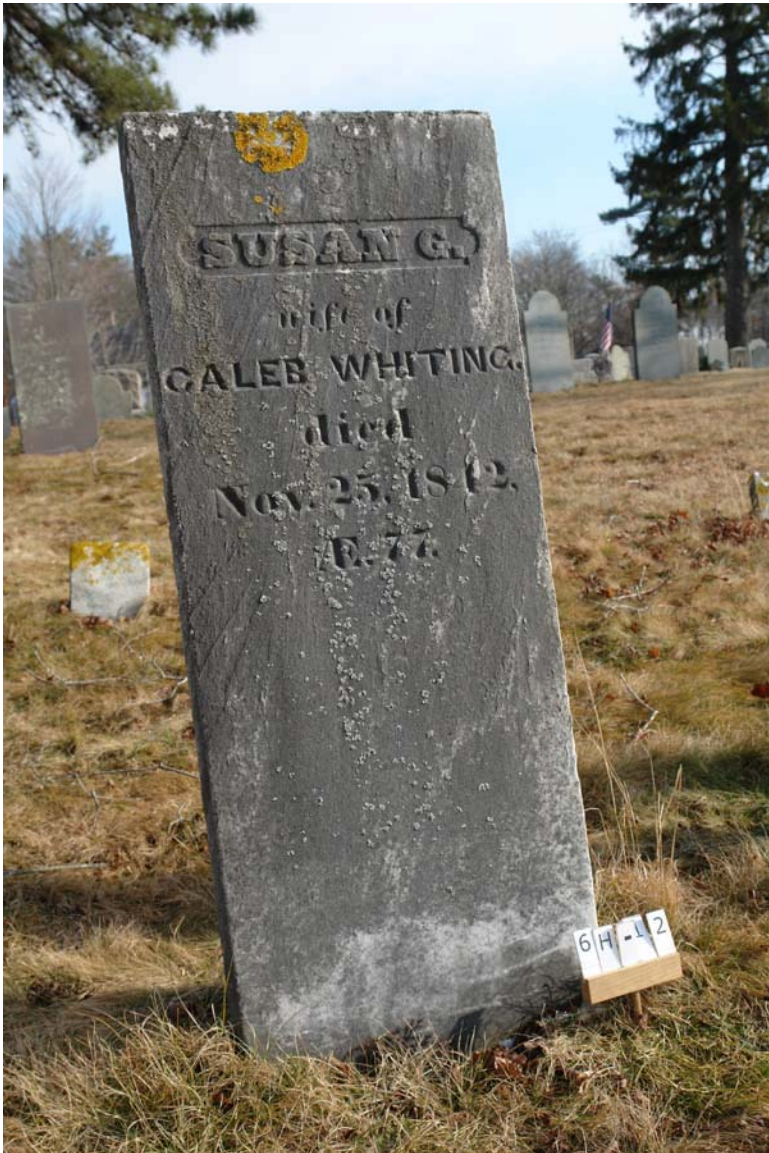
Death Date: **11/25/1842** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Susan G. Whiting

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Caleb Rogers

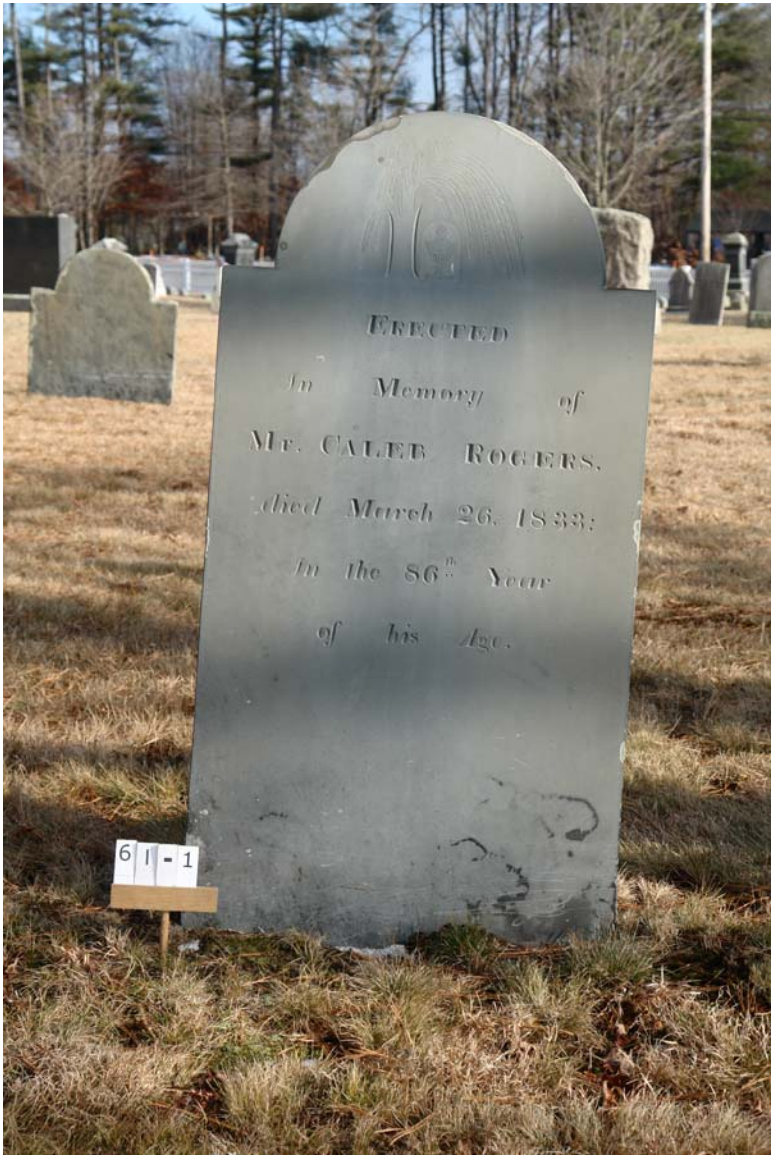
Death Date: **3/26/1833** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Comments:

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Location: **6/I.01**

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Hannah Rogers

Death Date: 5/12/1807 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lydia Chamberlin

Death Date: 9/13/1821 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Possible new base

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERHannah North Eells

Death Date: 9/2/1737

Marker Type: Headstone

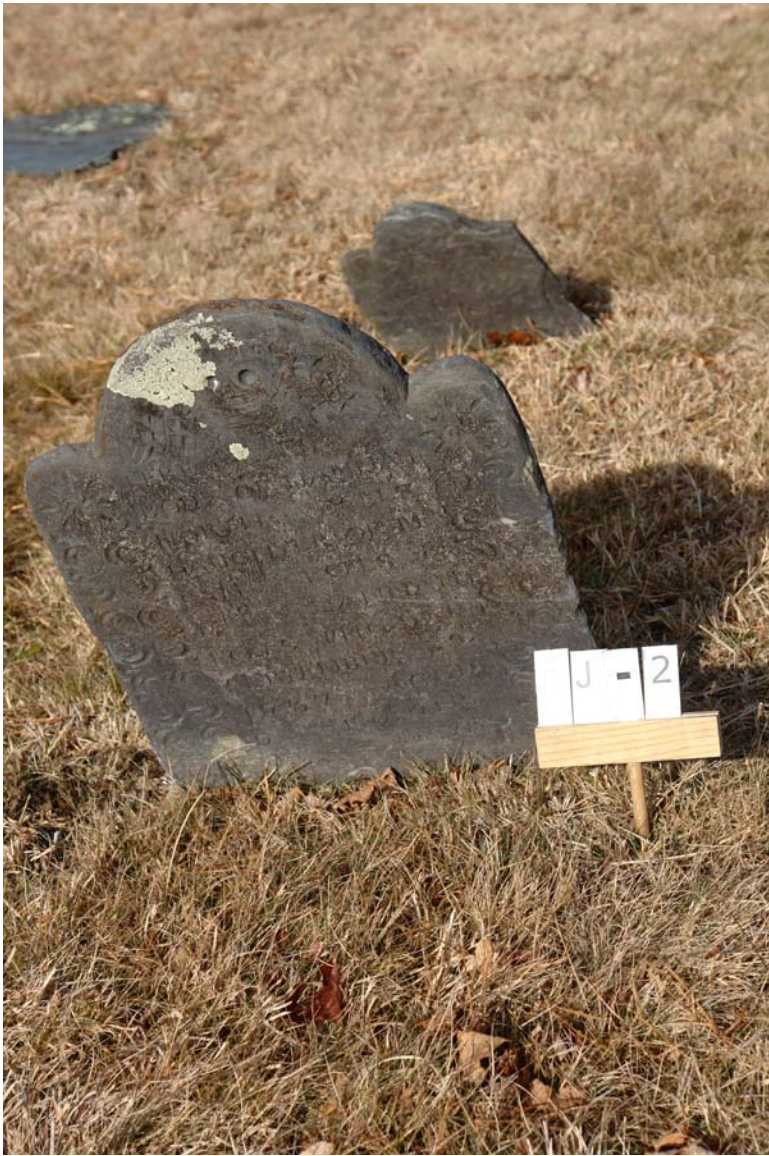
Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Hannah North Eells

Death Date: Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Mary Plyer

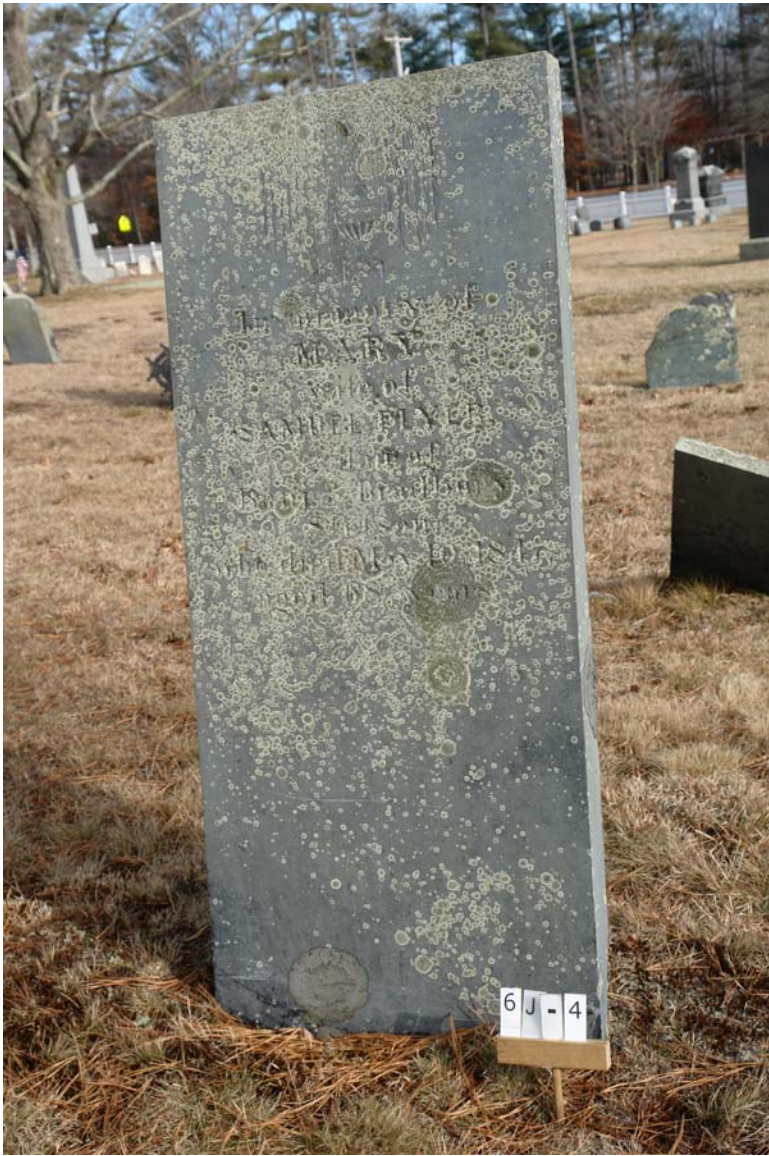
Death Date: **6/J.04** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary Plyer

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Faces West	Excavate Reset facing East

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers and facing East.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER William and Sarah Witherel

Death Date: 3/30/1750 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured below grade	New below grade base Clean

TREATMENT

1. Setting area excavated, no additional fragments or base discovered.
2. A new below grade concrete base cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJohn Robbins

Death Date: 9/8/1838Marker Type: Headstone

Condition of Inscription: Decipherable, missingMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fragmented Tilted	Probe for missing fragments Evaluate treatment

TREATMENT

1. Marker carefully excavated and area probed for missing fragments. None found.
2. Lower fragment reset plumb and aligned with adjacent markers. Backfill with tamped gravel or sand.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Sarah Robbins

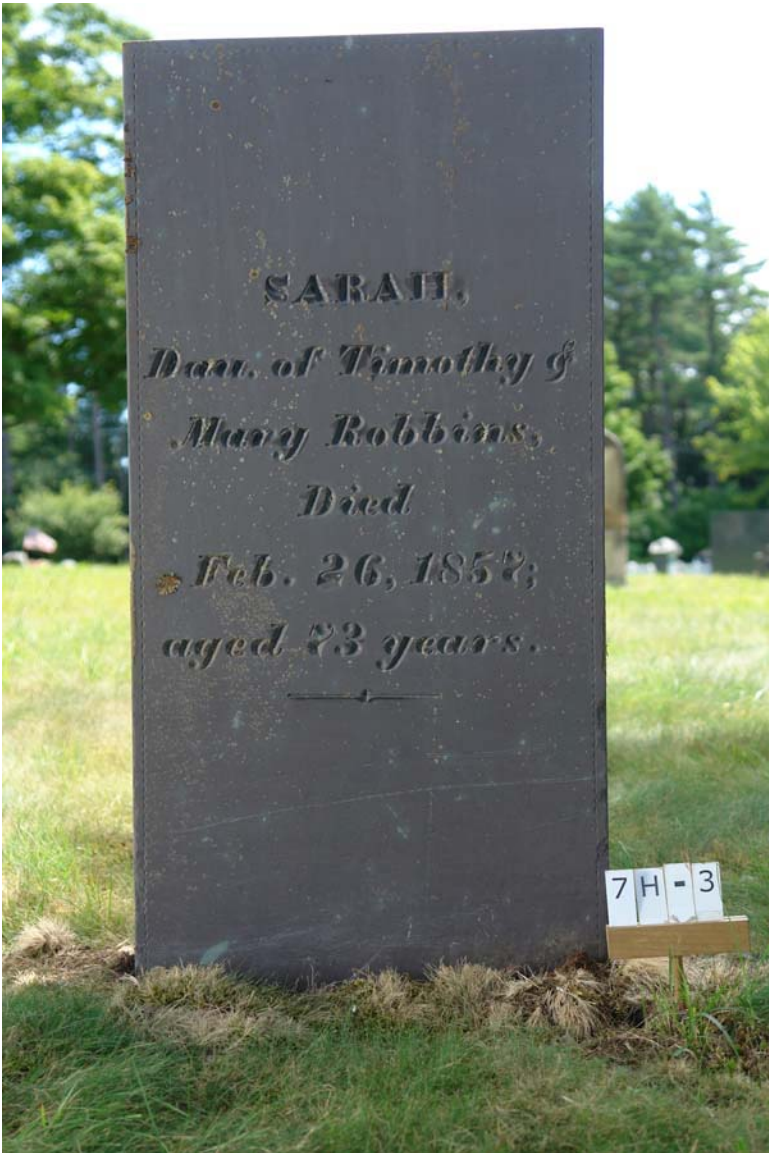
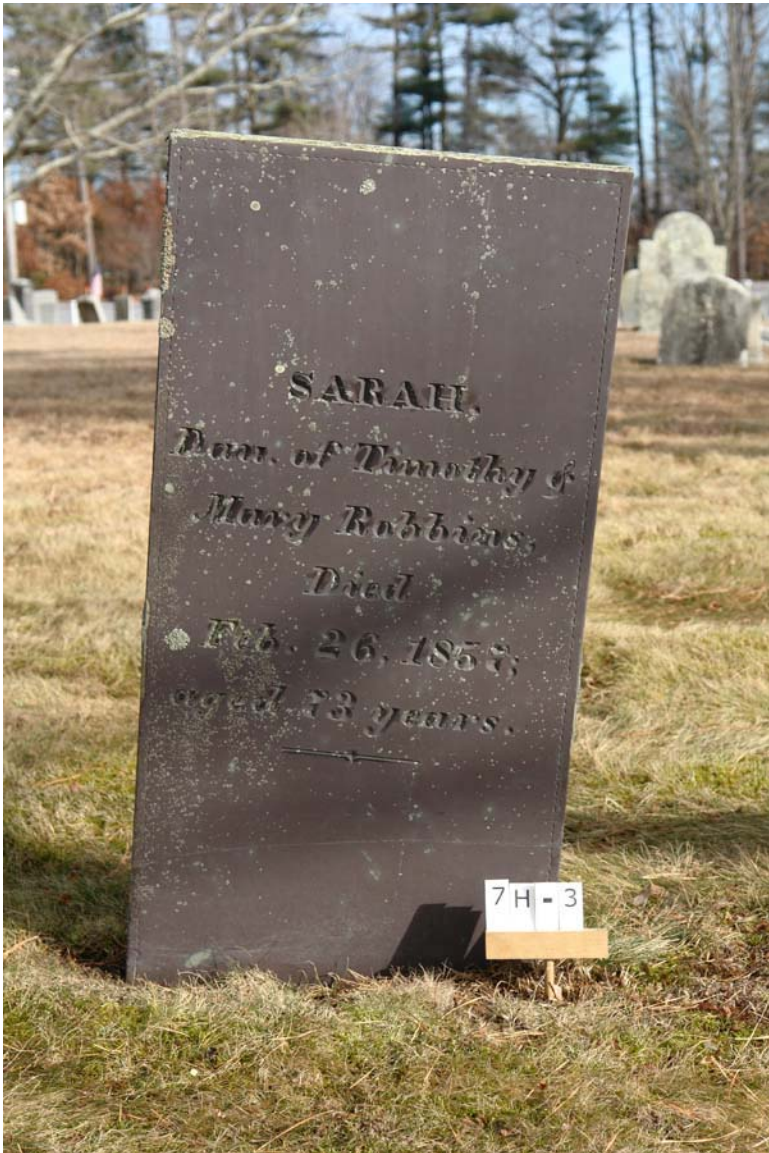
Death Date: 2/26/1857 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERBethiah Robbins

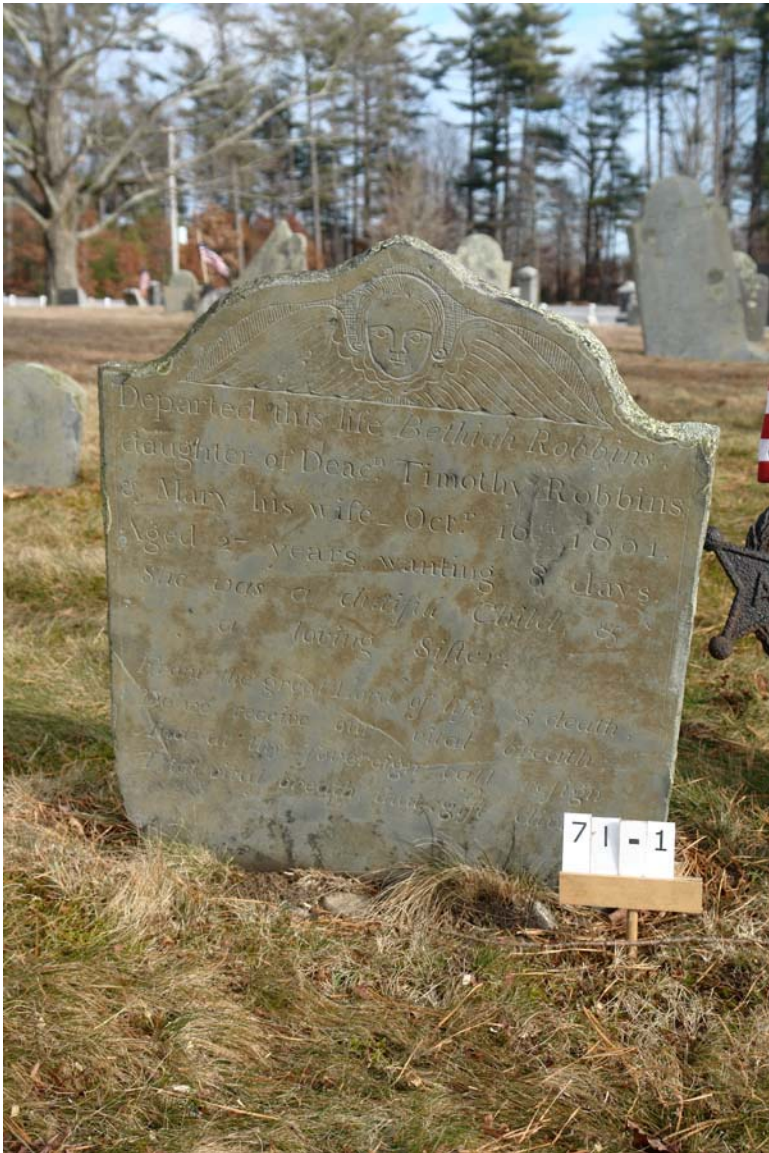
Death Date: 10/16/1801Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER**Capt. Thomas Robbins**

Death Date: 4/14/1790

Marker Type: Headstone

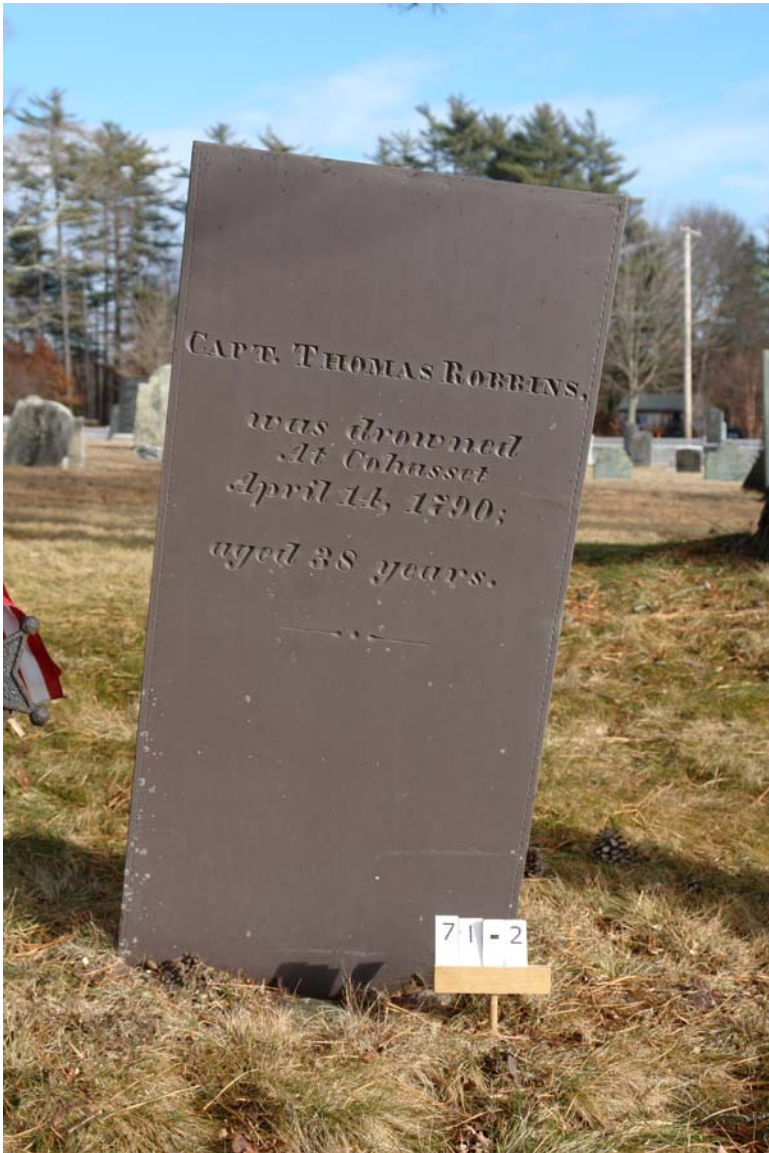
Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Ezra Briggs

Death Date: 11/2/1815 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted– set too high Fractured	Reset lower Structural adhesive

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
2. Lower fragment in base reset plumb at appropriate height, aligned with adjacent markers.
3. Any failed adhesives or mortar removed.
4. Mating surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Ezra Briggs

Death Date: Marker Type: Footstone

Condition of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lydia Briggs

Death Date: 5/4/1840

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Poss new base

TREATMENT

1. Marker carefully excavated. The soil around the tilted marker was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers
4. Area backfilled around marker with tamped sand and gravel
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Lydia Briggs

Death Date: 5/4/1840

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERBetsey Gates

Death Date: 10/1851Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured Tilted	Reset Structural adhesive

TREATMENT

1. Area around base excavated and base set level.
2. Mating surfaces cleaned and failed adhesives or mortar removed.
3. Fragment(s) attached with structural adhesive (Abatron 55-22), and braced until cured.
4. Old repairs and fills were not removed as it was determined that it would be detrimental to the sugared marker surface



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERBetsey Gates

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoshua Gates

Death Date: 8/28/1870Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Structural adhesion

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
1. Area around base excavated and base set level.
2. Mating surfaces cleaned and failed adhesives or mortar removed.
3. Fragment(s) attached with structural adhesive, and braced until cured.
4. Cracks and small losses filled with RepliCal crack fill. Large losses filled with Jahn restoration mortar. Misted and wrapped min. 3 days.
5. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoshua Gates

Death Date: 8/28/1870

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER

Bemjamin Stetson

Death Date: 4/8/1819

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERExspprence Curtis

Death Date: 6/25/1739Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERExsprrence Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Curtis

Death Date: 12/1/1753Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary Curtis

Death Date: 4/9/1750Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured below grade	Reset into new base Clean

TREATMENT

1. Marker carefully excavated. The soil around the tilted marker was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound and with sufficient height for re-setting.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers
4. Area backfilled around marker with tamped sand and gravel
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERMary Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Raised	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERRichard Curtis

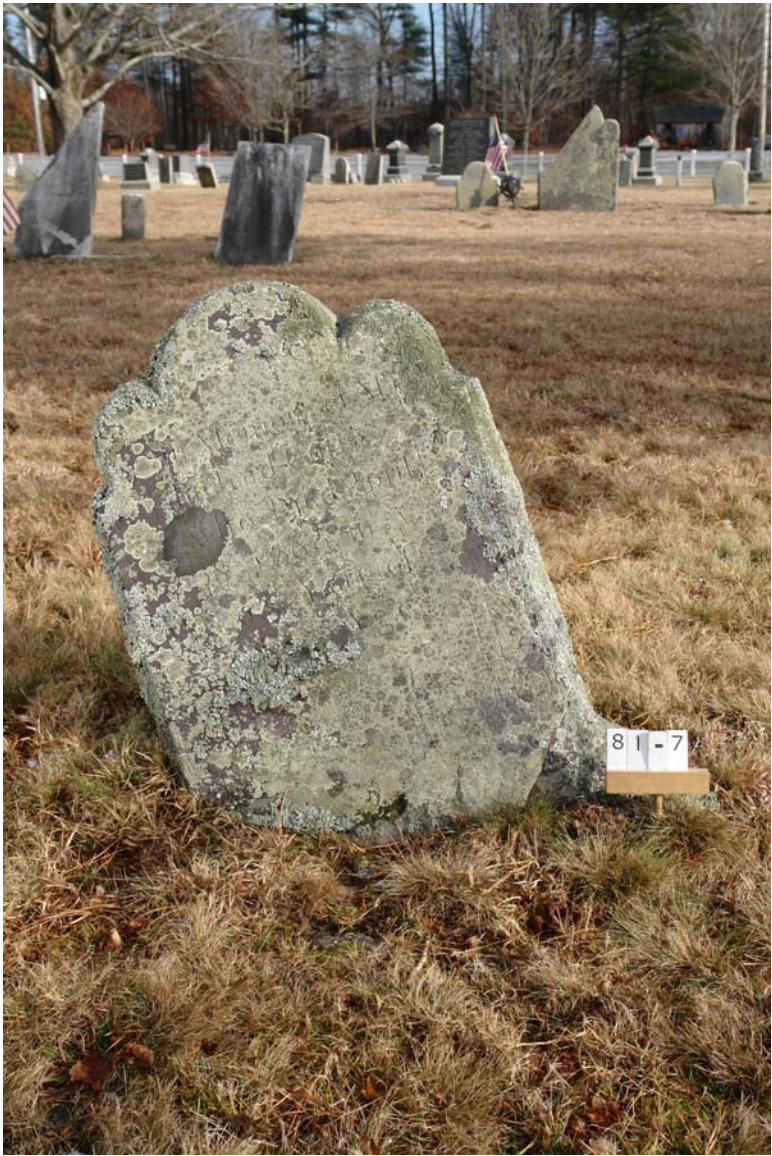
Death Date: 4/28/1766Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 8/1.07

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERStephen Curtis

Death Date: 5/14/1739Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERStephen Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminated into two pieces	Clean Attach delaminations Reset

TREATMENT

1. Two halves of marker carefully excavated and removed from the ground.
2. Mating surfaces cleaned by light brushing with nylon brushes and water.
3. Fragment(s) attached with structural adhesive (Abatron 55-22), and braced until cured.
4. Setting area excavated to sufficient depth and marker re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Treat surfaces with D/2 biological solution. Loosen any lichens with plastic or wood hand trowels. Brush or spray D/2 and scrub with nylon brushes.
8. Voids caused by splitting or delaminations at top edge of marker filled with a pigmented flowable Voidsplan grout.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Lieut. William Curtis**

Death Date: **6/21/1793** Marker Type: **Headstone**

Condition of Inscription: **Decipherable, missing** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured Missing elements	Probe area for missing fragments If found, attach with structural adhesive Clean

TREATMENT

1. No fragments were found after extensive probing and searching in cemetery.
2. Surface treated with D/2 biological solution. Lichens were removed with plastic or wood hand trowels. Application of D/2 was repeated as necessary and scrubbed with nylon brushes. Fully rinsed with water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERLieut. William Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 8/J.02

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Rufus Curtis

Death Date: 6/2/1791

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Below grade fracture	Reset to new base

TREATMENT

1. Setting area excavated, no additional fragments or base discovered.
2. A new below grade concrete base was cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERWilliam Curtis

Death Date: 6/25/1795Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERWilliam Curtis

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

No delaminations discovered

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.

2. When required, marker is removed from the ground.

3. Surface soiling removed by light brushing with nylon brushes and water.

4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.

5. Area backfilled around marker with tamped sand and gravel.

6. Disturbed areas re-graded with existing topsoil and sod.

7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERZilpha Curtis

Death Date: 9/12/1776

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured	Reset Structural adhesive

TREATMENT

1. Fragment(s) excavated and area probed for missing pieces.
2. Lower fragment reset plumb at appropriate height, aligned with adjacent markers.
3. Any failed adhesives or mortar removed.
4. Mating surfaces of fragment(s) treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
5. Fragment(s) attached with structural adhesive, and braced until cured.
6. Cracks and surface losses filled with pigmented Sto crack fill, excess material immediately removed with a damp sponge



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERDeborah House

Death Date: 7/3/1769Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERAbigail Stetson

Death Date: 2/3/175?Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKEROlive Curtis

Death Date: 7/8/1798

Marker Type: Headstone

Condition of Inscription:

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Col. John and Ruth Baily**

Death Date: **10/25/1810** Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Marble**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Footstone out of ground	Excavate area behind headstone Reset

TREATMENT

1. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with headstone.
2. Area backfilled around marker with tamped sand and gravel.
3. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **George Starling**

Death Date: **12/24/1791** Marker Type: **Headstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured	Reset Structural adhesive

TREATMENT

1. Fragment(s) excavated and area probed for any missing elements
2. Mating surfaces of fragment(s) cleaned and failed adhesives or mortar removed.
3. All surfaces treated with D/2 biological solution and scrubbed with nylon brushes, then rinsed with water.
4. Fragment(s) attached with structural adhesive (Abatron 55-22), and braced until cured.
5. Cracks and losses filled with pigmented RepliCal and Jahn products, misted and wrapped for min 3 days.
6. Any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJohn Baily

Death Date: 6/ 1769

Marker Type: Footstone

Condition of Inscription:

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER (son) Curtis

Death Date: 9/12/1776

Marker Type: Headstone

Condition of Inscription:

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Reset Delaminating	Excavate Clean Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
8. Small voids at top filled with pigmented porable Void span grout, misted and wrapped for min. 3 days.
9. After partial cure, any excess fill material on adjacent surfaces treated with acetic acid, brushed, and fully rinsed with water.



Comments:

All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto. © MONUMENT CONSERVATION COLLABORATIVE LLC

Location: 9K.05

Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER (son) Curtis

Death Date: 9/12/1776

Marker Type: Footstone

Condition of Inscription:

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Sunken	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Betty Macomber

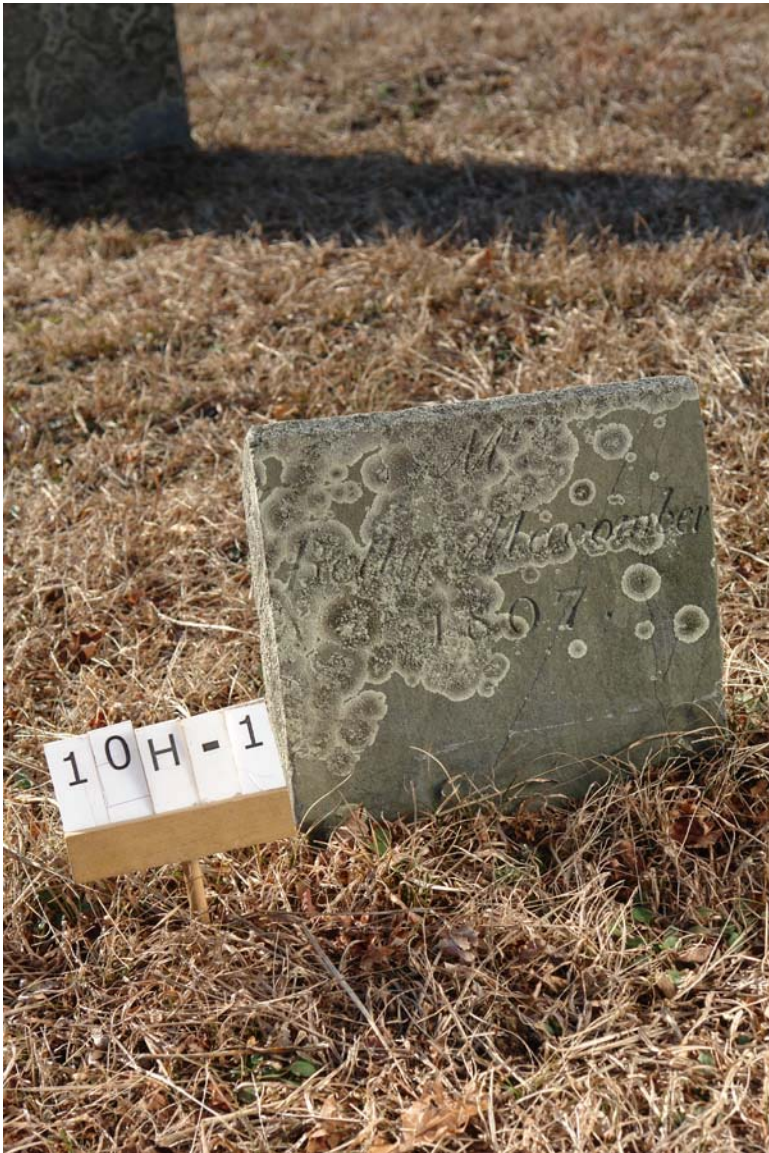
Death Date: 7/22/1807 Marker Type: Footstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER
Lemuel Curtis

Death Date: 1/9/1842

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Evaulate Reset with mortar

TREATMENT

Material found to be extensively weathered, sugaring and fragile with limited conservation procedures available.

1. Fragment attached with structural adhesive.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Nancy Curtis

Death Date: 10/24/ Marker Type: Headstone

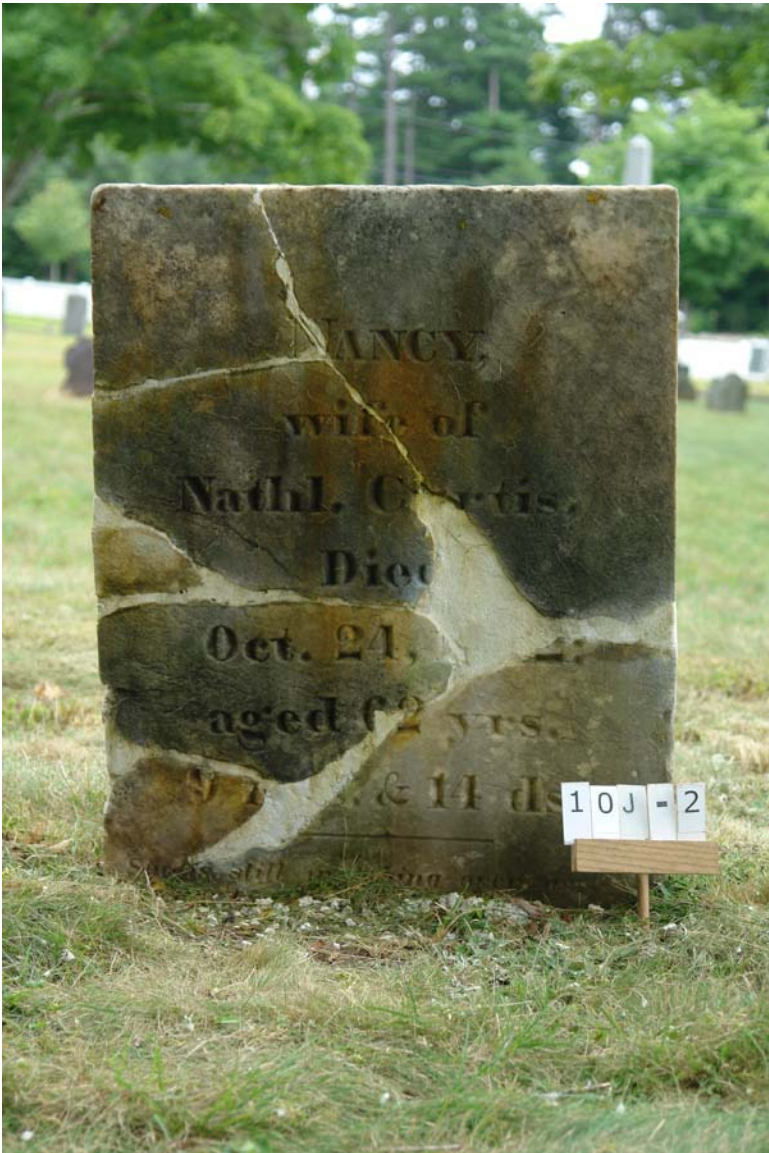
Condition of Inscription: Decipherable, missing Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Multiple fractures	Structural adhesion

TREATMENT

Carefully excavate marker and fragments. Brush clean and inspect for soundness and extreme sugaring. Probe area for additional fragments.
Evaluate if marker is restorable. Marker is fragile

1. Clean mating surfaces and remove any failed adhesives or mortar
2. Attach fragments with structural adhesive, brace and clamp until cured.
3. Fill cracks and losses with RepliCal and Jahn products.
4. Mist filled areas with water and cover for 3 days minimum
5. Treat filled surface areas with light acid wash and rinse thoroughly
6. Stone treated with D/2 biological solution. All surfaces rinsed fully with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Bathsheba House**

Death Date: **5/15/1773** Marker Type: **Headstone**

Condition of Inscription: **Decipherable, missing** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Probe for fragments Fill losses and cap

TREATMENT

1. Probe area for missing fragments. Carefully remove soil around stone to an appropriate depth, if required, remove stone from ground.
2. Re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers. Backfill area with tamped sand and gravel.
3. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Remove thick growth with wood or plastic trowels. Repeat as necessary. Rinse with water.
4. Flush interior voids with denatured alcohol to aid in drying and remove any loose debris within voids with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker to be filled with a pigmented gray latex caulk (AlexPlus by Dap, Baltimore, MD) using trowels. Voids along sides of monument left open to allow escape of any water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER

Seth House

Death Date: 3/19/1777

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured near grade	Reset into new concrete base Clean

TREATMENT

1. Setting area excavated, no additional fragments or base discovered.
2. A new below grade concrete base cast in place. After partial curing, setting forms were removed and the base backfilled with tamped sand or gravel.
3. When required, lower edge of marker re-squared with minimal loss using a power grinder.
4. Marker reset plumb and level into slot using a cement/lime grout. Braced for min. 5 days.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2, scrubbed with nylon bristles and fully rinsed with water



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Seth House**

Death Date: **3/19/1777** Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Polly Macomber

Death Date: 1/6/1796 Marker Type: Headstone

Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Samuel and Hannah Curtis**

Death Date: **2/23/1794** Marker Type: **Footstone**

Condition of Inscription: Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Clean Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.
7. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Cushing

Death Date: 8/11/1837Marker Type: Headstone

Condition of Inscription: DecipherableMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Reset– New base Structural adhesion

TREATMENT

1. Upon excavation of in ground fragment, old sandstone base lo-
cated.
2. Base excavated and determined sound, slot cleaned, and base
reset level at a higher elevation.
3. Lower fragment reset plumb and level into slot using a cement/
lime grout. Braced for min. 5 days.
4. Mating surfaces of fragment(s) cleaned and any failed adhesives
or mortar removed.
5. Fragment(s) attached with structural adhesive, and braced until
cured.
6. Cracks and losses filled with RepliCal and Jahn products, misted
and wrapped min. 3 days.
7. After partial cure, any excess fill material on adjacent surfaces
treated with acetic acid, brushed, and fully rinsed with water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERJoseph Cushing

Death Date:

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER Ruth Josselyn

Death Date: 1/15/1742

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset Cap

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. When required, marker is removed from the ground. Marker appears to be sound.
2. Soling removed by light brushing with nylon brushes and water.
3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
4. Area backfilled around marker with tamped sand and gravel.
5. Disturbed areas re-graded with existing topsoil and sod.
6. Surfaces treated with D/2 biological solution, scrubbed with nylon bristles and fully rinsed with water.
7. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERCol Amos and Betsey Turner

Death Date: 3/14/1822Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Facing West	Excavate Reset facing East

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers, facing East.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERCol Ezekiel Turner

Death Date: 1773

Marker Type: Headstone

Condition of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Delaminating	Clean Cap

TREATMENT

1. Treat surfaces with D/2 biological solution. Loosen any lichens with plastic or wood hand trowels. Brush or spray D/2 and scrub with nylon brushes. Rinse fully with water. Repeat as necessary
2. Interior voids flushed with water and any loose debris within voids removed with hand tools.
3. All voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto crack fill. Excess material immediately removed with a damp sponge.
- Voids along sides of monument left open to allow escape of any accumulation of water.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERExperience Curtis

Death Date: 1/14/1842

Marker Type: Footstone

Condition of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Excavate Reset

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKERPrince Curtis

Death Date: 10/30/1815Marker Type: Footstone

Condition of Inscription: DecipherableMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Facing West	Excavate Reset facing East

TREATMENT

1. Marker carefully excavated. Soil around tilted marker removed to an appropriate depth. Marker appears to be sound.
2. When required, marker is removed from the ground.
3. Surface soiling removed by light brushing with nylon brushes and water.
4. When setting area is excavated to sufficient depth stone is re-set plumb and level onto gravel bed, aligned with adjacent markers, facing East.
5. Area backfilled around marker with tamped sand and gravel.
6. Disturbed areas re-graded with existing topsoil and sod.



Cemetery: Hanover Center Cemetery, Hanover, MA

NAME ON MARKER **Betsey Curtis**

Death Date: **12/9/1840** Marker Type: **Footstone**

Condition of Inscription: **Decipherable** Material: **Slate**

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Excavate Clean Poss new base Cap

TREATMENT

1. Foliated fragments excavated.
2. Failed adhesive removed with hand chisel.
3. Surfaces cleaned with brush and water, small loose foliated surfaces removed.
4. Fragments attached with structural adhesive.
5. When cured, marker reset plumb and aligned with adjacent markers.

