



MONUMENT CONSERVATION COLLABORATIVE LLC, NORFOLK, CT

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DOCUMENTATION OF STONE CONSERVATION TREATMENTS TO ASSINIPPI CEMETERY, HANOVER, MA June 2015

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. “Preservation implies stabilization”



Interested townspeople met with MCC at the cemetery to see restorations in progress and discuss preservation issues.. July 14, 2015

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.

MCC would like to thank the DPW cemetery crew especially John Olsen and Bruce Rodgers for their consistent and cheerful help.

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.



B.19.2 Robert Josslyn, Marble -before and after cleaning

Cleaning of marble markers was limited to those requiring structural adhesions or those extremely covered with lichens. 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.

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D.15.1 Maria Goodrich, Granite -before and after cleaning



D34.2 Deborah House, Sandstone -before and after cleaning

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 common cause of tilted markers are roots from nearby trees



*B. 57.1 Rueben Bates Before and after— severely tilted .
Early slates and marbles were often set as deeply in the ground as what
appeared above the ground.*

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



Original bases were raised to an appropriate level, aligned with adjacent markers and set plumb before resetting the markers.

Gravestones that required insertion into existing bases were set with a relatively weak cement/lime-based grout (3:2:9:1) 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.



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

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Old base aligned with adjacent markers and reset level.

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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 1 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



New foundations were cast when the original foundations were missing or failed.

G.50.2 George Corbin— New foundation

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 (3:2:9:1) with fine aggregates (000).

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



D20 Jacob Bailey reset onto existing base.



Over time the shifting of dry laid foundation stones due to frost heaves or tree roots can cause the larger monuments to tilt. These heavy monuments required mechanical assistance with hydraulic jacks or chain hoists and tripods to be reset.

They were typically reset level and stable with stone shims.



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. A thixotropic adhesive is a Vaseline-like consistency which does not drip or run, and only moves with pressure. The fragments were aligned, joined with clamps, and adequately braced during curing, which was typically a period of several days depending on the temperature. Excess epoxy is trimmed off with hand tools when partially cured, usually after a day.

Several factors, including weathering and previous repairs, can result in a loss of stone surface, which results in a poor 'fit' at the fracture. After curing, joints and any losses are filled with an appropriately colored cement/lime-based crack filler or restoration mortar (see "Cracks and Losses").



D.36.3 Seth Curtis— as found, requiring structural adhesion



Clamping and bracing in a vertical position allows gravity to help position fragments.



D.36.3 Seth Curtis— after, with losses filled

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 when necessary. 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.



#E94.6 Annie Chamberlin -before.



#E94.6 Annie Chamberlin with loss filled with Jahn M70 mortar



Jahn M70 mortar patch, with artificial weathering

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.

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 and surface biological growth, using D-2 biological solution with nylon brushes and plastic hand tools.

Open joints along the top were filled with a pigmented flexible industrial “crack filler” by Sto. Excess grout is immediately removed with damp sponging.



Filling top cavities with a pigmented crack filler by Sto. Material can be applied by trowel or injection. Excess material is immediately wiped off with damp sponging

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PRODUCTS/SUPPLIERS**D/2 Biological Solution**

<http://www.d2bio.com/buy-d2>

**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
<http://www.voidspan.com/grout/>

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Gilman Whiting
Death Date: 2/2/1892	Marker Type: Obelisk
Cond. of Inscription: Legible	Material: Zinc
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/22/2015	
1. Monument raised on one side with hydraulic jacks and loose stone rubble and failed concrete removed from setting area	
2. Monument lowered onto setting area, and raising operation repeated on opposite side as needed removing remaining failed concrete	
3. Monument leveled onto setting area, and foundation shimmed with flat stones on all sides	
4. Topsoil replaced around base.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **John Dwelley**
Death Date: 1/10/1907 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Reset into new below grade concrete base

TREATMENT	Treatment Dates
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	6/11-16/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Hosiah Dwelley
Death Date: 6/25/1866	Marker Type:Headstone/base
Cond. of InscriptionLegible/decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/12-29/2015	
<div>1. Setting area excavated for new below grade cast concrete base</div> <div>2. A new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone is cast. The finished top to be below grade. A form for a setting slot 1" wider than the marker is placed in the concrete.</div> <div>3. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>4. Lower fragment was reset plumb and level into slot using a cement/ lime grout (3/2/9) with 000 sand. Braced for min 3 days</div> <div>5. All mating edges of fragments cleaned with water</div> <div>6. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.</div> <div>7. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Emma Estes
Death Date: 6/25/1945	Marker Type: Marker
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 6/11/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Solomon Ewell

Death Date: 4/28/1858

Marker Type: Footstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tiled	Reset plumb

TREATMENT

Treatment Dates 6/11/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Henry Rose	
Death Date: 4/12/1854	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/11/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Ruth Whiting**
Death Date: 7/15/1895 Marker Type: Sm die/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned. .	6/11/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Betsey Damon**
Death Date: 1900 Marker Type: Sm die/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	6/11/2015

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Lemuel Jenkins

Death Date: 4/14/1823

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates 6/12/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Clarissa Jenkins
Death Date: 12/28/1859	Marker Type: Headstone
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Marker loose in slot	Reset base level Reset marker plumb into setting slot

TREATMENT	Treatment Dates 6/12/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

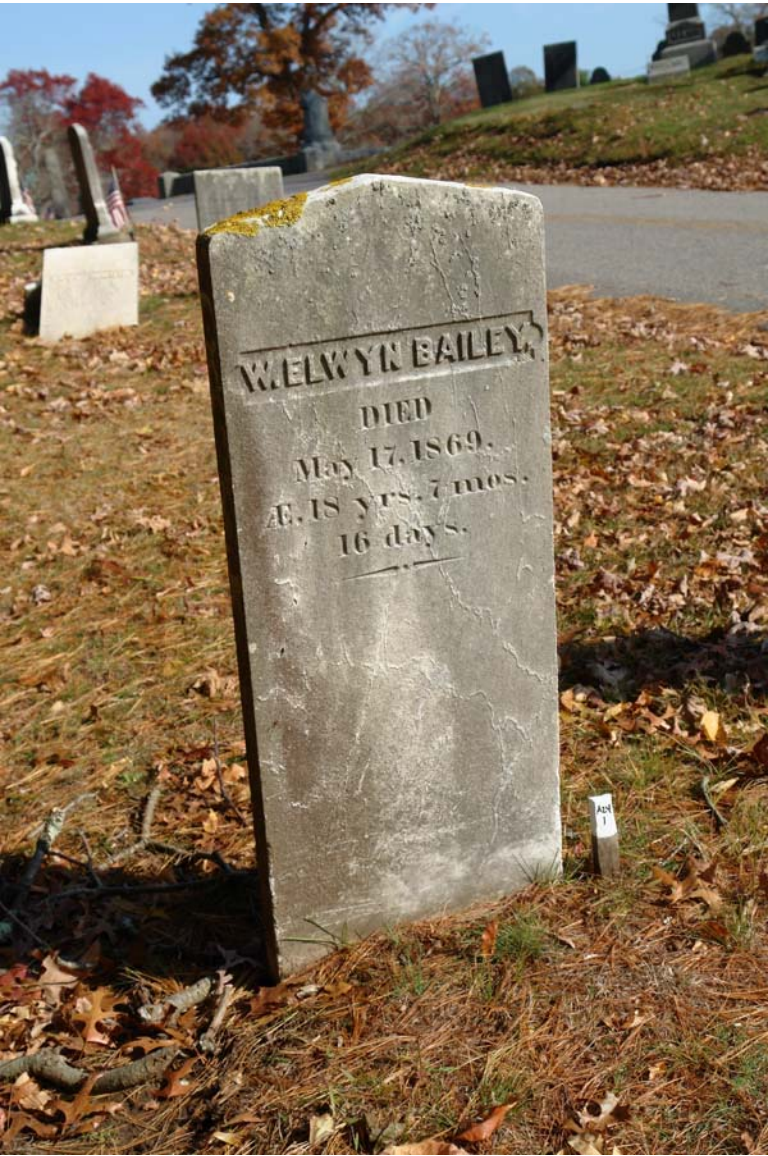
Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	W. Elwyn Bailey
Death Date: 5/17/1869	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Marker loose in slot	Reset base level Reset marker plumb into setting slot

TREATMENT	Treatment Dates 6/12/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER John Bailey	
Death Date: 1905	Marker Type: Headstone/pinned
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements
TREATMENT	
Treatment Dates 6/16/2015	
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Eva Bailey

Death Date: 1905

Marker Type: Headstone/pinned

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Newly Unstable	Reset elements

TREATMENT

Treatment Dates6/16/2015

1. Marker and base found to be in sound condition.

2. In ground base found to be level.

3. Failed mortar removed from setting area and bottom of marker

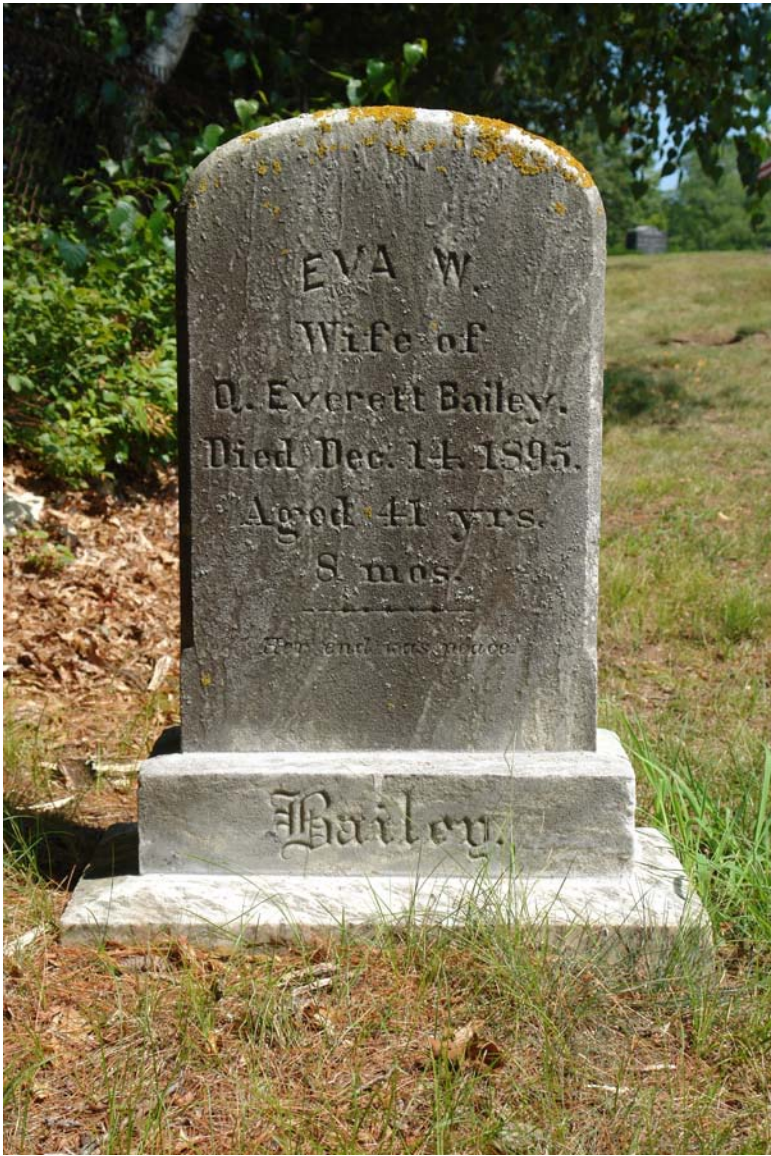
4. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins

5. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

6. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.

7. Excess grout removed and joint area cleaned.

Comments:



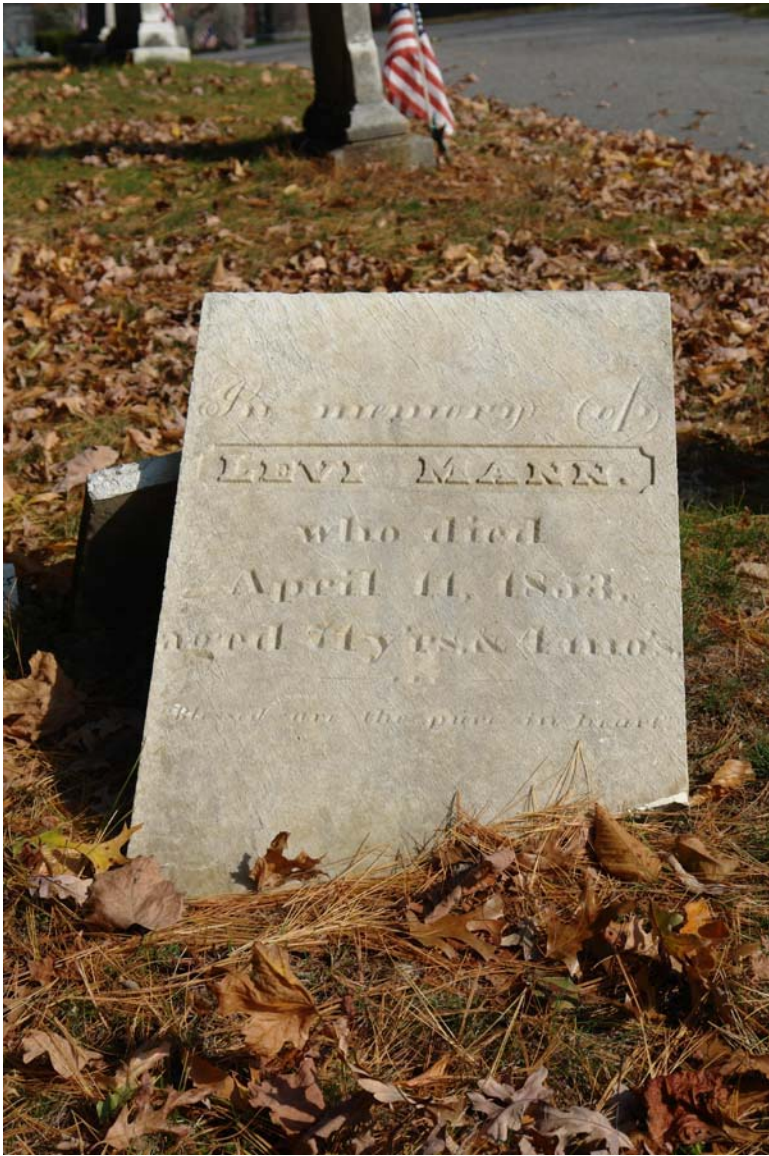
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Horace Mann
Death Date: n.a.	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/12/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	
.	

Comments:



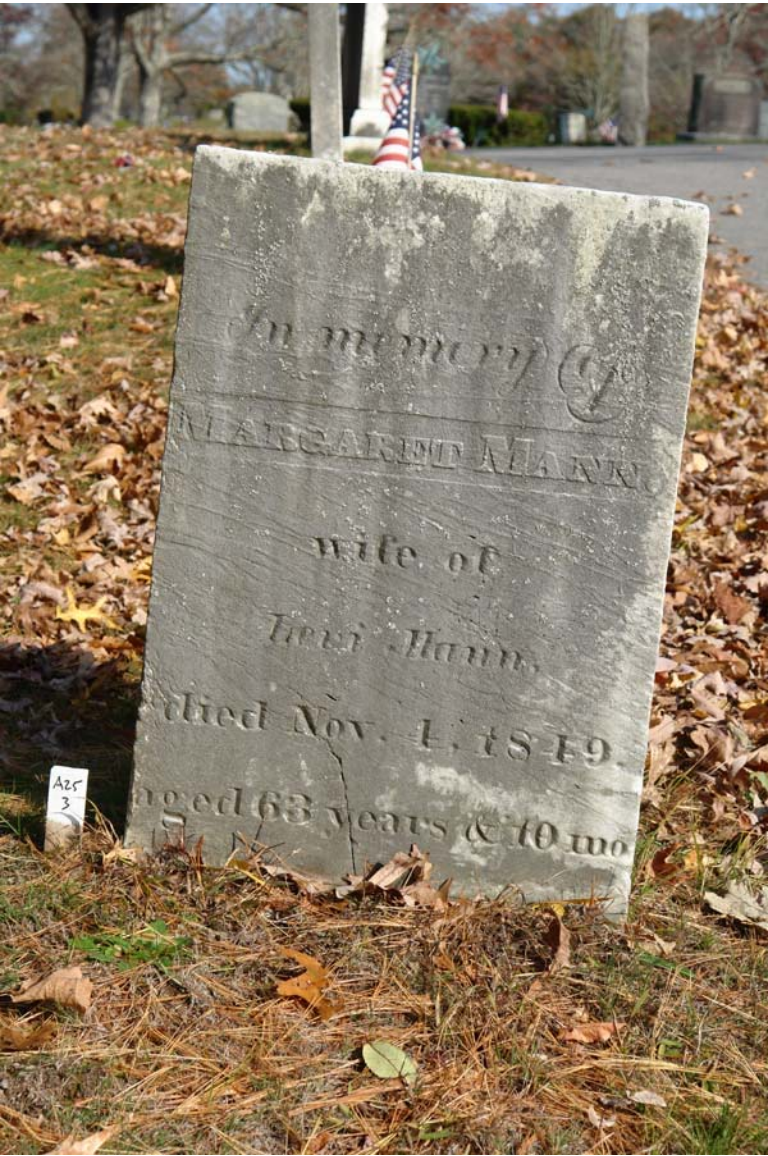
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	
Levi Mann	
Death Date: 4/11/1853	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable Fractured	Reset into new below grade base Attach fragments with structural adhesive
TREATMENT	
Treatment Dates 6/12-29/2015	
1. Area around lower fragment carefully excavated and inspected for soundness. Area probed for existing fragments. 2. Lower fragment re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers 3. Area backfilled around marker with tamped sand and gravel 4. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools 5. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Epoxy removed with hand chisels within 24 hours. 6. Cracks and losses filled with RepliCal products, misted with water and covered for 3 days min. 7. Filled surface areas treated with light acid wash rinsed thoroughly with water	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Margaret Mann
Death Date: 11/4/1849	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured at grade	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/12-18/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: 10/16/1872 Marker Type: Headstone/pinned

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT

Treatment Dates 7/30-8/3/2015

1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.

2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.

3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.

4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.

5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.

6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.

8. Excess mortar removed from joints and braced for a min 3 days

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

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary Stetson**
Death Date: 11/30/1864 Marker Type: Headstone/pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/15/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

William Stetson

Death Date: 9/18/1989

Marker Type: Headstone/pinned

Cond. of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
<div>Tilted</div> <div>Loose on base</div>	<div>Reset base level</div> <div>Reset elements</div>

TREATMENT

Treatment Dates 7/15/2015

1. Elements removed from setting bases and inspected for soundness.

2. Area excavated to an appropriate depth removing any roots or large stones.

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Failed mortar removed from setting area and bottom of marker

6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins

7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.

9. Excess grout removed and joint area cleaned.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Joseph Damon
Death Date: 8/9/1870	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 7/15/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Martin Lindsey
Death Date: 7/9/1871	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, fractured	Attach fragments with structural adhesive

TREATMENT	Treatment Dates 7/311/2015
<p>1. Marker and fragments excavated. When required, area probed for missing fragments.</p> <p>2. Mating surfaces were treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water. any failed adhesives or mortar removed with hand tools.</p> <p>3. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas.</p> <p>4. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels</p> <p>5. Cracks and voids filled with RepliCal products. Any large losses filled with Jahn cementitious mortar.</p> <p>6. Filled areas misted with water and covered for 3 days minimum</p> <p>7. Filled surface areas treated with light acid wash and rinsed thoroughly.</p>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Betsey Quindley

Death Date:

Marker Type: Headstone/base

Cond. of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Level base Reset to base

TREATMENT

Treatment Dates7/30/2015

1. Area excavated to an appropriate depth removing any roots or large stones.

2. Base inspected and found to be sound and re-useable

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.

6. When required, the lower setting edge was re-squared by power grinder with minimal loss.

7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.

8. Excess grout removed and joint area cleaned.

9. Marker braced for a minimum 3 days

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Elmer Turner
Death Date: 6/14/1865	Marker Type: Headstone
Cond. of Inscription: n.a.	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Appears to be deteriorated beyond repair	Evaluate Bury in place?

TREATMENT	Treatment Dates 7/14/2015
1. Area unsuccessfully probed for additional fragments . 2. Marker fragment found to be sugaring and is not restorable.	

Comments:



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Height - Width - Thickness - Marker# **B.8.1**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Ann Arelia John Francis Cary**
Death Date: 12/19/1849 Marker Type: Headstone
Cond. of Inscription: n.a. Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, Fractured	Adhesive repair Possible new base

TREATMENT	Treatment Dates
1. Marker and fragments excavated. When required, area probed for missing fragments. 2. Mating surfaces were treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water. any failed adhesives or mortar removed with hand tools. 3. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas. 4. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels 5. Cracks and voids filled with RepliCal products. Any large losses filled with Jahn cementitious mortar. 6. Filled areas misted with water and covered for 3 days minimum 7. Filled surface areas treated with light acid wash and rinsed thoroughly.	7/31/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Jane Tower**
Death Date: 8/25/1849 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	7/14/2015

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Beulah Estes
Death Date:	5/27/1835	Marker Type: Headstone/base
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted Marker loose in slot		Reset base level New base required
TREATMENT		
Treatment Dates		7/7-13/2015
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.		
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.		
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured		
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder		
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel		
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.		
7. Marker set plumb and level, and braced for minimum of 5 days.		
8. Disturbed areas backfilled with existing topsoil.		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Eleaser, Hannah Josselyn**
Death Date: 5/9/1868 Marker Type: Headstone/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
7/7/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Robert Josselyn
Death Date:	8/29/1889	Marker Type: Headstone/ Base
Cond. of Inscription:	Decipherable	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset plumb
TREATMENT		
		Treatment Dates 7/6-13/2015
1. Base found to be fragmented and sound. Failed mortar removed from setting slot with hand tools.		
2. In-ground base reset level.		
3. Base fragments attached with Voidspan PHLc grout, clamped and braced until cured.		
4. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.		
5. Excess grout removed and joint area cleaned.		
6. Marker braced for a minimum 3 days		

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

Height 31 Width 16.5 Thickness 3 Marker# B.19.2

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Sylvanus Bates

Death Date: 6/27/1878

Marker Type: Headstone/pinned

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT

Treatment Dates 7/29-8/3/2015

1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.

2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.

3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.

4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.

5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.

6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.

8. Excess mortar removed from joints and braced for a min 3 days

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

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Hannah, Elijah Randall**
Death Date: 8/15/1809 Marker Type: Headstone/conc. base
Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive

TREATMENT	Treatment Dates
1. Marker and fragments excavated. When required, area probed for missing fragments. 2. Mating surfaces were treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water. any failed adhesives or mortar removed with hand tools. 3. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas. 4. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels 5. Cracks and voids filled with RepliCal products. Any large losses filled with Jahn cementitious mortar. 6. Filled areas misted with water and covered for 3 days minimum 7. Filled surface areas treated with light acid wash and rinsed thoroughly.	7/29-8/17/2015

Comments:



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Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Nathaniel Stetson
Death Date:	7/19/1846
Marker Type:	Headstone/base
Cond. of Inscription:	Partially legible
Material:	Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

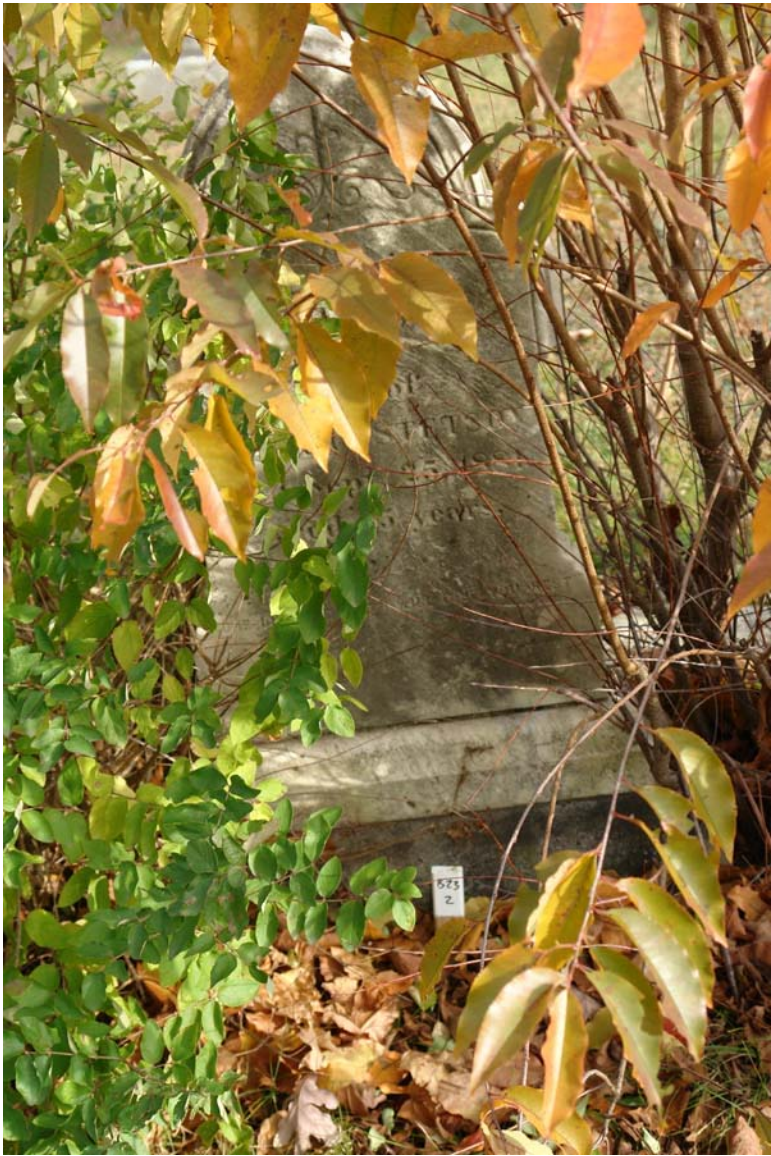
TREATMENT	Treatment Dates 7/20/2015
<div>1. Marker appears to be firmly set into base.</div> <div>2. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height.</div> <div>3. Cracks and losses filled with RepliCal Marble products, filled areas misted with water and covered for 3 days minimum</div> <div>4. Filled areas treated with light acid wash and rinsed thoroughly</div>	

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Betsy Stetson				
Death Date: 9/25/1881	Marker Type: Headstone/base				
Cond. of Inscription: Decipherable	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted base	Reset base with marker plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 7/20/2015</td></tr><tr><td colspan="2"><div>1. Shrubs and roots removed by DPW</div><div>2. Elements removed from setting bases and inspected for soundness.</div><div>3. Setting area excavated to an appropriate depth removing any roots or large stones.</div><div>4. Base is aligned with adjacent markers and re-set level.</div><div>5. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div><div>6. Failed mortar removed from setting area and bottom of marker</div><div>7. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div><div>8. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div><div>9. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div><div>10. Excess grout removed and joint area cleaned.</div></td></tr></table>		TREATMENT	Treatment Dates 7/20/2015	<div>1. Shrubs and roots removed by DPW</div> <div>2. Elements removed from setting bases and inspected for soundness.</div> <div>3. Setting area excavated to an appropriate depth removing any roots or large stones.</div> <div>4. Base is aligned with adjacent markers and re-set level.</div> <div>5. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>6. Failed mortar removed from setting area and bottom of marker</div> <div>7. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>8. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>9. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>10. Excess grout removed and joint area cleaned.</div>	
TREATMENT	Treatment Dates 7/20/2015				
<div>1. Shrubs and roots removed by DPW</div> <div>2. Elements removed from setting bases and inspected for soundness.</div> <div>3. Setting area excavated to an appropriate depth removing any roots or large stones.</div> <div>4. Base is aligned with adjacent markers and re-set level.</div> <div>5. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>6. Failed mortar removed from setting area and bottom of marker</div> <div>7. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>8. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>9. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>10. Excess grout removed and joint area cleaned.</div>					

Comments: **Shrubs to be removed**



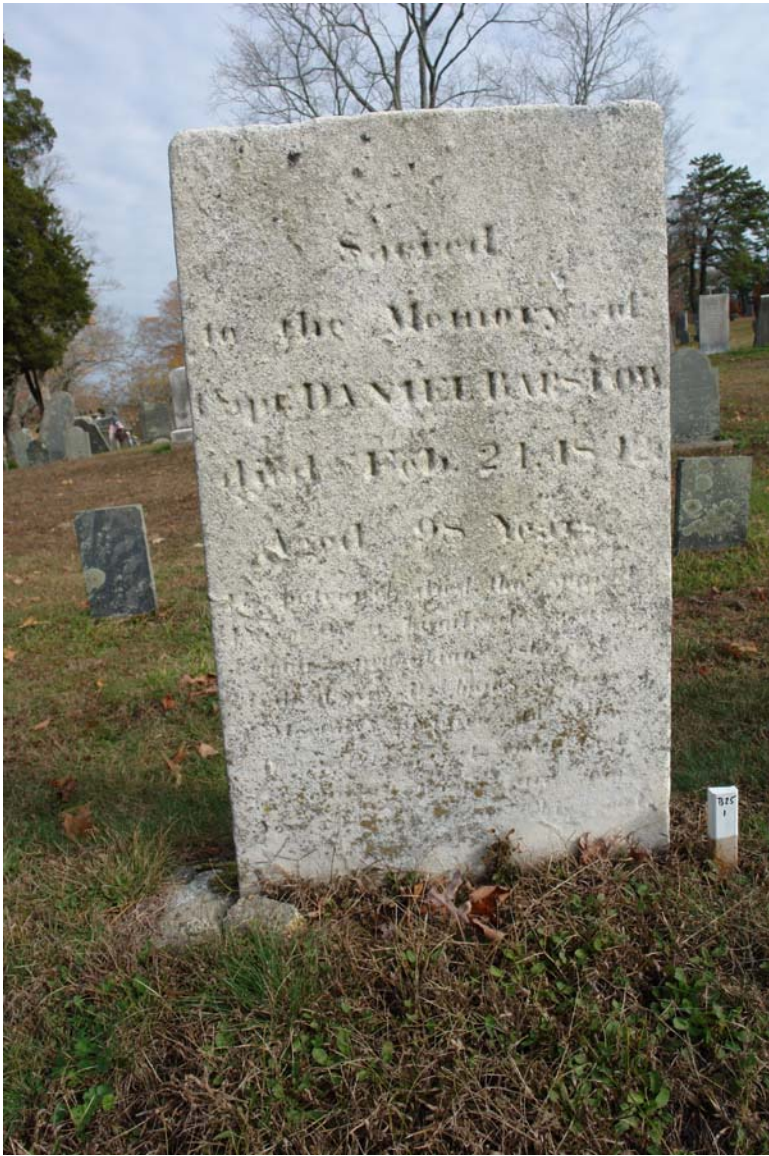
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Albert Stetson
Death Date: 3/27/1845	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 7/20-21/2015	
1. Shrubs and roots removed by DPW. Marker excavated and found to be sound.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Capt Daniel Barstow
Death Date:	2/24/1842	Marker Type: Headstone/base
Cond. of Inscription:	Decipherable	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Unstable		Evaluate resetting options Possible new below grade concrete base
TREATMENT		
Treatment Dates		7/21/2015
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	D.B. (Daniel Barstow)
Death Date:	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/15/2015	
1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. Failed concrete collar was removed from marker with hand tools.	
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.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Pyam Whiting

Death Date: 8/12/1845

Marker Type: Headstone

Cond. of Inscription:

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Severe deterioration	May be infeasible to repair

TREATMENT

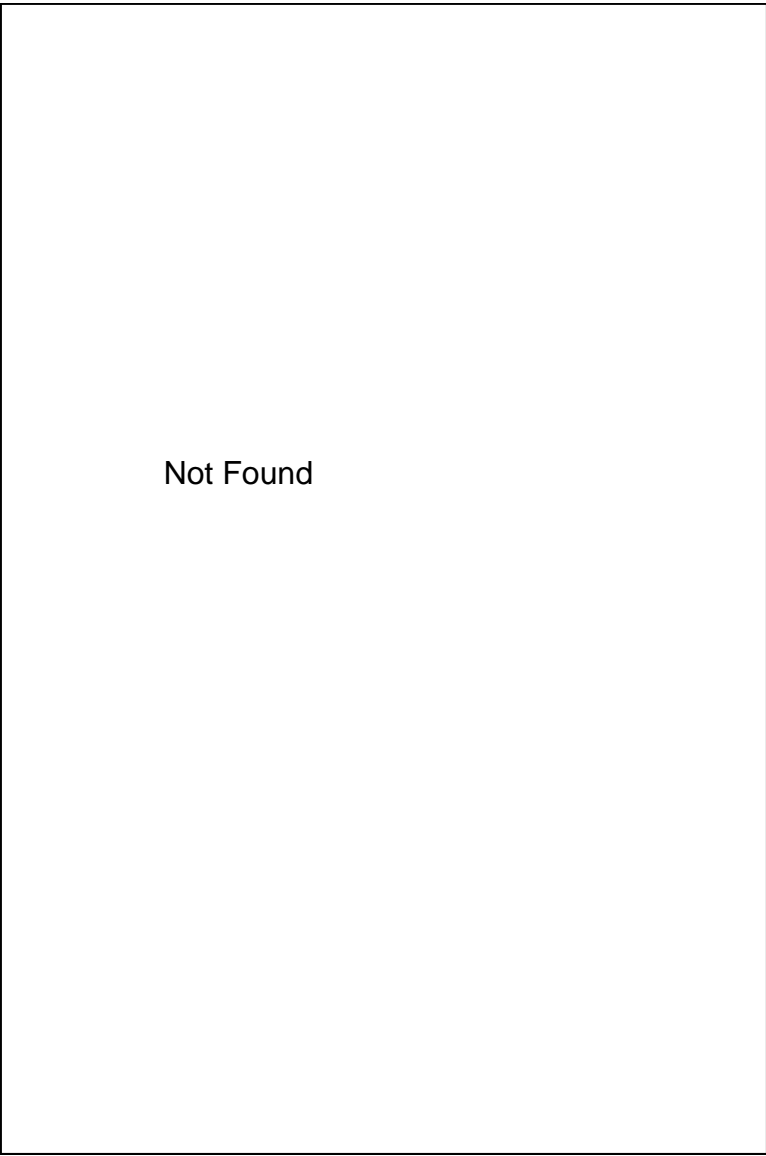
Treatment Dates7/22

Note: Marker nor fragments located on 11/4/2014

1. Area unsuccessfully probed for additional fragments .

2. Marker fragment found to be sugaring and is not restorable.

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Milton Dwelley				
Death Date: 7/9/1883	Marker Type: Obelsik				
Cond. of Inscription: Decipherable	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted	Reset plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 7/20/2015</td></tr><tr><td colspan="2"><div>1. Obelisk and base found to be in sound condition with monu- ment securely attached to base. 2. Soil removed around base unit and base raised up with hydrau- lic jacks to level. 3. Existing foundation stones exposed and built up to support base unit. 4. Base re-set plumb at appropriate height and level 5. Area beneath and around base backfilled with tamped sand and gravel 6. Disturbed areas re-graded with existing topsoil.</div></td></tr></table>		TREATMENT	Treatment Dates 7/20/2015	<div>1. Obelisk and base found to be in sound condition with monu- ment securely attached to base. 2. Soil removed around base unit and base raised up with hydrau- lic jacks to level. 3. Existing foundation stones exposed and built up to support base unit. 4. Base re-set plumb at appropriate height and level 5. Area beneath and around base backfilled with tamped sand and gravel 6. Disturbed areas re-graded with existing topsoil.</div>	
TREATMENT	Treatment Dates 7/20/2015				
<div>1. Obelisk and base found to be in sound condition with monu- ment securely attached to base. 2. Soil removed around base unit and base raised up with hydrau- lic jacks to level. 3. Existing foundation stones exposed and built up to support base unit. 4. Base re-set plumb at appropriate height and level 5. Area beneath and around base backfilled with tamped sand and gravel 6. Disturbed areas re-graded with existing topsoil.</div>					

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Flora Bass

Death Date: 11/10/1870

Marker Type: Headstone/pinned

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates	7/21/2015
<div>1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.</div> <div>2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.</div> <div>3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.</div> <div>4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.</div> <div>5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.</div> <div>6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.</div> <div>8. Excess mortar removed from joints and braced for a min 3 days</div> <div>9.. Surfaces treated with D/2 biological solution, scrubbed with nylon brushes, and fully rinsed with water.</div>		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Nathaniel Ellis
Death Date: 2/5/1817	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable	Evaluate resetting options Possible new below grade concrete base
TREATMENT	
Treatment Dates 7/21-22/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lucy Sylvester**
Death Date: 4/19/1885 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Shrubs removed by DPW 2. Marker carefully excavated old failed concrete collar removed with hand tools. 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.	7/21/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Elijah Sylvester**
Death Date: 12/28/1828 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Shrubs removed by DPW 2. Marker carefully excavated old failed concrete collar removed with hand tools. 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 brushes and rinsed with water	7/21/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary Sylvester**
Death Date: 6/27/1829 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Shrubs removed by DPW 2. Marker carefully excavated old failed concrete collar removed with hand tools. 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 brushes and rinsed with water	7/21/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Elijah Sylvester**
Death Date: 6/6/1852 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
8/14/2015 1. Shrubs removed by DPW 2. Marker carefully excavated old failed concrete collar removed with hand tools. 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 brushes and rinsed with water	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Rueben Foster**
Death Date: 9/20/1848 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	7/13-14/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lily Whiting**
Death Date: 7/8/1870 Marker Type: Headstone/pinned
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates
1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools. 2. In-ground base reset level. Replace setting pins with threaded stainless pins if required. 3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. 4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min. 5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water. 6. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand. 8. Excess mortar removed from joints and braced for a min 3 days 9.. Surfaces treated with D/2 biological solution, scrubbed with nylon brushes, and fully rinsed with water.	7/6-13/2015

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

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Irving Chamber
Death Date: 1916	Marker Type: Marker/ slanted
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 7/15/2015	
<div>1. Overgrowth removed by DPW</div> <div>2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments: **Shrubs to be removed**



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lydia Bates**
Death Date: 10/16/1837 Marker Type: Headstone/conc. base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
7/22-29/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	

Comments:

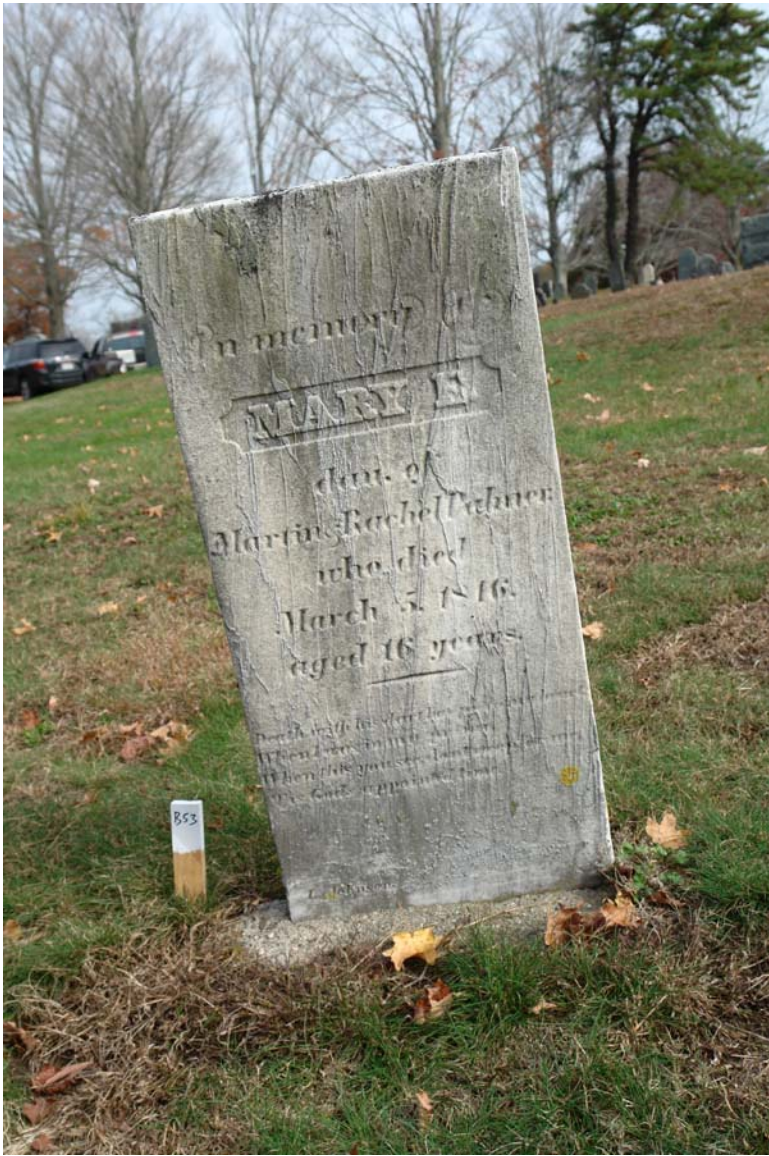


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary Palmer**
Death Date: 3/5/1846 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot

TREATMENT	Treatment Dates 7/22-29/2015
<div>1. Marker excavated and found to be sound. Old concrete collar removed with hand tools.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Rev. Abel Duncan
Death Date: 4/23/1871	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slo	Reset base level Reset marker plumb into setting slot t
TREATMENT	
Treatment Dates 7/30/2015	
1. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sally and Ezra Whiting**
Death Date: 9/10/1974 Marker Type: Headstone/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	7/8/2015

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

Height 28 Width 34 Thickness 4 Marker# **B.55.1**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Horatio Bailey
Death Date: 1860	Marker Type: Headstone/pinned
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb
TREATMENT	
Treatment Dates 7/8/2015	
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Reuben Bates
Death Date: 1/13/1829	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/13/2015	
<div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div> <div>2. Soling removed by light brushing with nylon brushes and water.</div> <div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div> <div>4. Area backfilled around marker with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil and sod.</div> <div>6. Surfaces treated with D/2, scrubbed with nylon brushes and rinsed with water</div>	

Comments:



Height 55 Width 22 Thickness 2 Marker# B.57.1

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Betsey Bates**
Death Date: 11/21/1825 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Reset into new below grade concrete base

TREATMENT	Treatment Dates
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	7/13-15/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Gamaliel Bates**
Death Date: 1/9/1823 Marker Type: Headstone/conc. base
Cond. of Inscription: Missing, legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured	Reset plumb Attach fragments with structural adhesive

TREATMENT	Treatment Dates
1. Area around lower fragment carefully excavated and inspected for soundness. Area probed for existing fragments. 2. Lower fragment re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers 3. Area backfilled around marker with tamped sand and gravel 4. Failed adhesives removed with hand tools 5. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Epoxy removed with hand chisels within 24 hours. 6. Cracks and losses filled with RepliCal products, misted with water and covered for 3 days min. 7. Surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water	7/13-15/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary Bates**
Death Date: 6/22/1836 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	New below base required

TREATMENT	Treatment Dates
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	7/13-15/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Eli Josselyn**
Death Date: 9/13/1903 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
	7/14/2015
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Eleanor Robbins**
Death Date: 1/29/1843 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Reset into new below grade concrete base

TREATMENT	Treatment Dates 7/14/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:

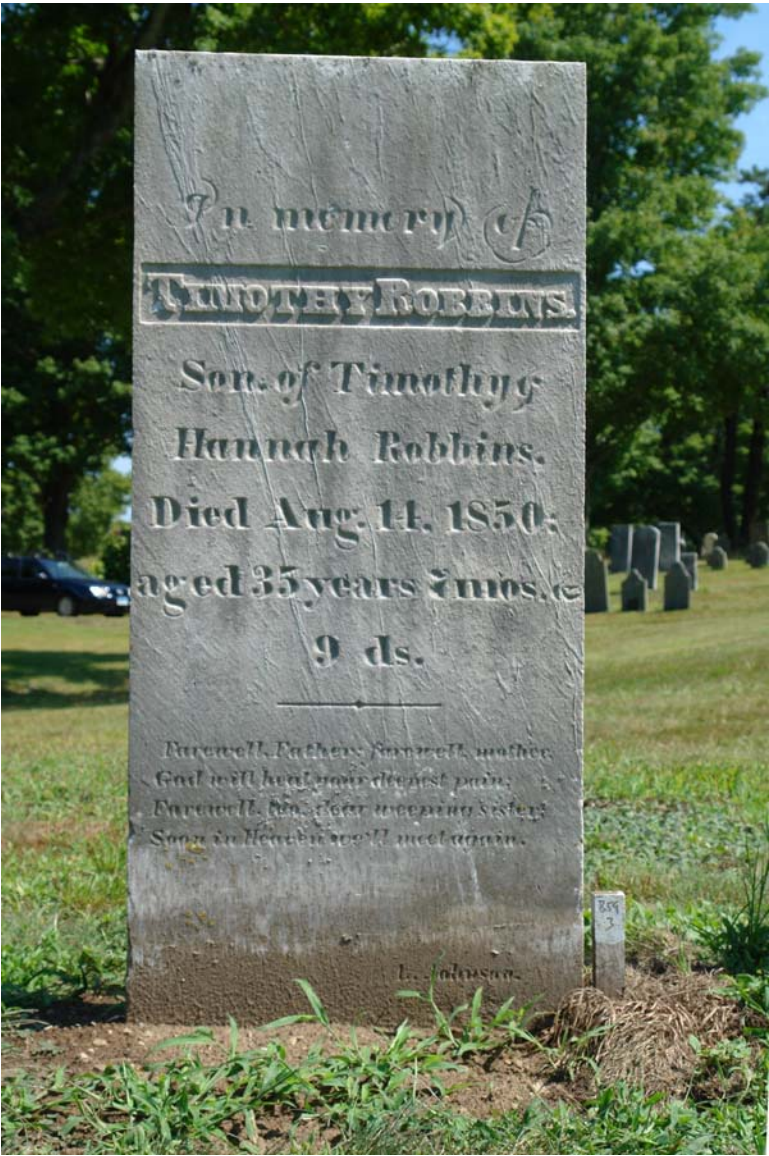
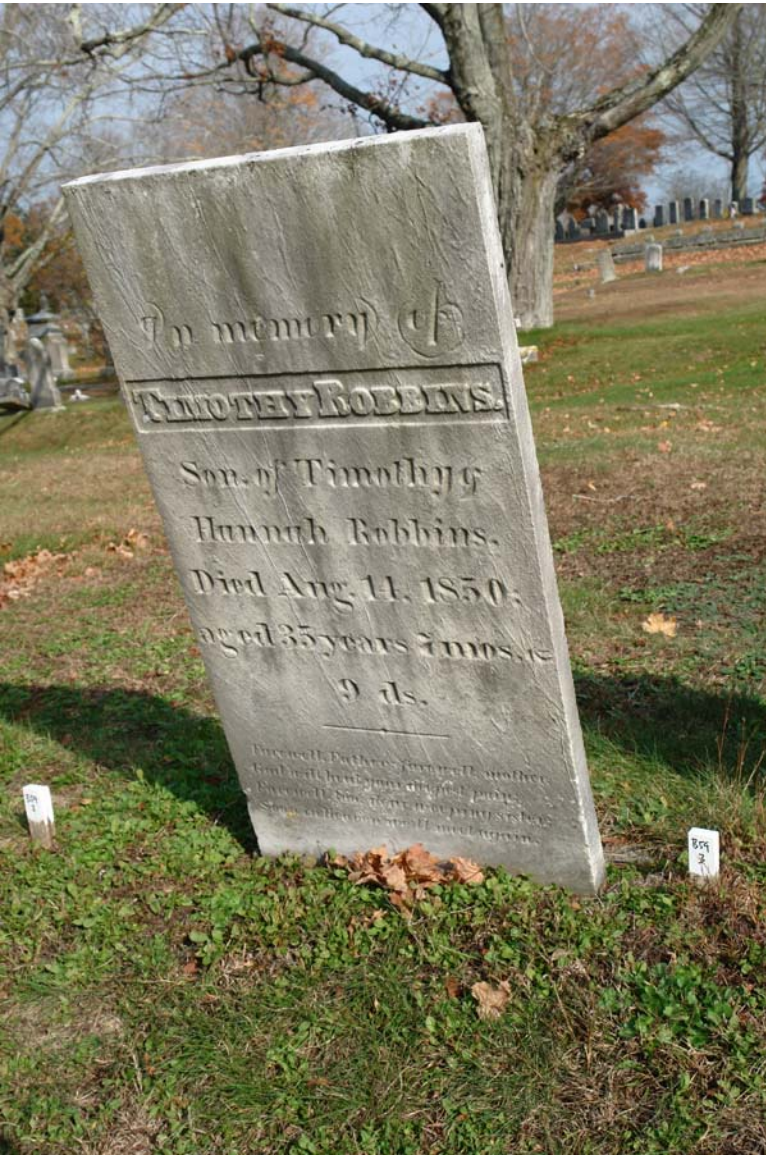


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Timothy Robbins**
Death Date: 8/14/1850 Marker Type:Headstone/conc. base
Cond. of InscriptionLegible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 7/14-15/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Timothy Robbins**
Death Date: 2/22/1856 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible/decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. Old concrete collar remove from marker with hand tools. . 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	7/22/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Henry Bates**
Death Date: 12/9/1839 Marker Type: Headstone/conc. base
Cond. of Inscription: Partially decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset into new below grade concrete base

TREATMENT	Treatment Dates 7/22/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Lucy Sylvester**

Death Date: 10/9/1780 Marker Type: Headstone

Cond. of Inscription: Partial Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT	Treatment Dates
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	7/8/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

n.a.

Death Date: n.a.

Marker Type: Headstone

Cond. of Inscription: n.a.

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT

Treatment Dates 7/8/2015

The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Gain Robinson**

Death Date: 4/7/1842 Marker Type: Headstone

Cond. of Inscription: Partial Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT	Treatment Dates	7/8/2015
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Noah Hidden
Death Date: 4/17/1822	Marker Type: Headstone
Cond. of Inscription: Partial	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate
TREATMENT	
Treatment Dates 7/8/2015	
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Benjamin Cushing
Death Date: n.a.	Marker Type: Headstone
Cond. of Inscription: Partial	Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT	Treatment Dates 7/8/2015
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Deborah Curtis
Death Date:	8/12/1738	Marker Type: Headstone
Cond. of Inscription:	Partial	Material: Slate
EXISTING CONDITIONS		CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago		Locate setting location Evaluate
TREATMENT		
Treatment Dates		7/8/2015
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER C.S.	
Death Date: n.a.	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT	Treatment Dates 7/8/2015
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER n.a.

Death Date: n.a. Marker Type: Headstone

Cond. of Inscription: Misssing Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
---------------------	-----------------------

Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago

Locate setting location
Evaluate

TREATMENT

Treatment Dates 7/8/2015

The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.

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

Height - Width Thickness Marker# **B.62.8**

Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Eleanor Damon
Death Date:	11/11/1876	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago		Locate setting location Evaluate
TREATMENT		
		Treatment Dates 7/8/2015
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mother (Susan Jacob)**
Death Date: 6/1/1865 Marker Type: Headstone
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT	Treatment Dates
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	7/8/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Horatio Cushing
Death Date: 6/21/1836	Marker Type: Headstone
Cond. of Inscription: Partial	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate
TREATMENT	
Treatment Dates 7/8/2015	
The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

George Sears

Death Date: 9/17/1856

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Part of a group of misc. stones, found by maintenance workers, grouped together, and set flat years ago	Locate setting location Evaluate

TREATMENT

Treatment Dates7/8/2015

The proper setting location for this group of unrelated markers and fragments is unknown. Until the approximate original setting location can be discovered MCC has suggested leaving this group of stones intact and “as is”.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	John Estes
Death Date: 8/11/1872	Marker Type: Headstone/base
Cond. of Inscription: Mostly decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot
TREATMENT	
Treatment Dates 6/23-24/2015	
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.	
2. Base inspected and found to be sound and re-useable	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.	
6. When required, the lower setting edge was re-squared by power grinder with minimal loss.	
7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
8. Excess grout removed and joint area cleaned.	
9. Marker braced for a minimum 3 days	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Charles Thomas
Death Date:	10/8/1848	Marker Type: Headstone
Cond. of Inscription: Mostly decipherable		Material: Marble
<hr/>		
EXISTING CONDITIONS		CONSERVATION STRATEGY
Fallen		Reset to new below grade base
<hr/>		
TREATMENT		
Treatment Dates		6/24-29/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Samuel Turner**
Death Date: 11/19/1887 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	6/23-24/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

William Bates

Death Date: n.a.

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates 6/23/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



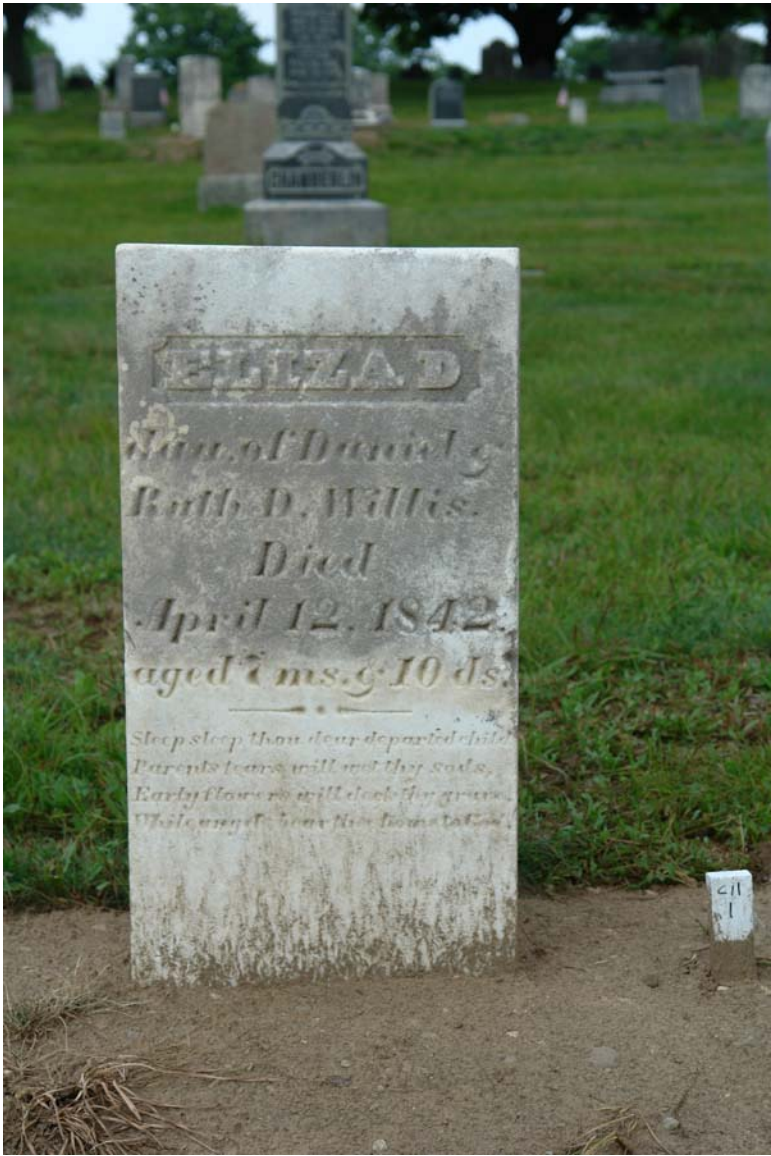
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	George Bates
Death Date: n.a.	Marker Type: Headstone
Cond. of Inscription: Partially decipherable Material: Marble	
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured at grade	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/23/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Eliza Willis
Death Date:	4/12/1842	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset to new base
TREATMENT		
		Treatment Dates 6/24-29/2015
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.		
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.		
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured		
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder		
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel		
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.		
7. Marker set plumb and level, and braced for minimum of 5 days.		
8. Disturbed areas backfilled with existing topsoil.		

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Ferrin Willis

Death Date: n.a.

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates6/23/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lucy Ellis**
Death Date: 6/7/1859 Marker Type: Headstone/conc base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	6/29/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Mary Iris	
Death Date: 5/2/1866	Marker Type: Headstone/ base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Unstable	Reset plumb

TREATMENT	Treatment Dates 7/31/2015
<div>1. Elements removed from setting bases and inspected for sound- ness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re- graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if neces- sary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: 9/21/1858

Cond. of Inscription: Legible

Marker Type: Headstone/base

Material: Marble

EXISTING CONDITIONS

Hazardous
Fractured base

CONSERVATION STRATEGY

Reset to base units
Structural adhesive

TREATMENT

Treatment Dates 8/12-13/2015

1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.

2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.

3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.

4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.

5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.

6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.

8. Excess mortar removed from joints and braced for a min 3 days

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

Height 41 Width 20 Thickness 2 Marker# **CX.12.3**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Martha B. French**
Death Date: 4/27/1859 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/7/2015

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

CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Martha P. French

Death Date: 4/7/1886

Marker Type: Headstone/pinned base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

**Tilted
Marker loose on base**

Check base for level
Reset marker plumb

TREATMENT

Treatment Dates 7/7/2015

1. Elements removed from setting bases and inspected for soundness.
2. Area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area cleaned.

Comments:



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Height 31 Width 18 Thickness 4 Marker# **C.21.2**

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

M.F.R.R. (Mary Ripley)

Death Date:

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates6/23/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:

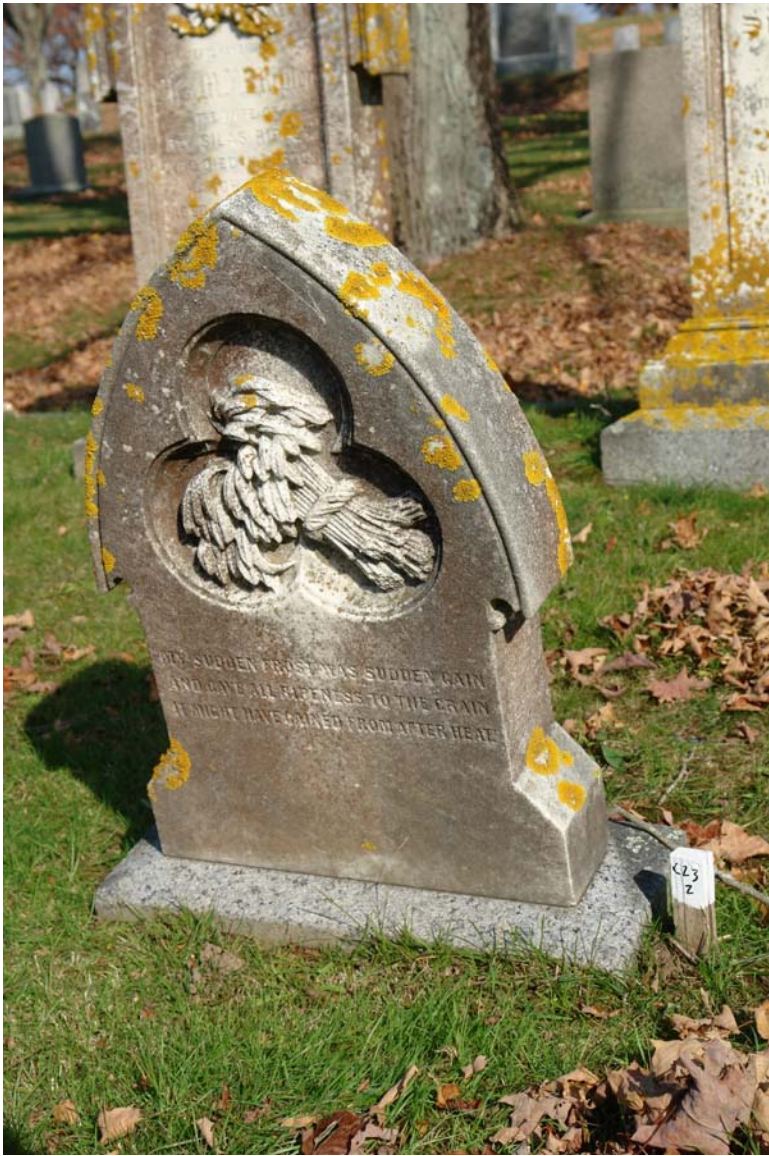


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Silas Ripley**
Death Date: 5/7/1868 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	6/23/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Gardner Cutler**
Death Date: 2/12/1869 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/7/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Frances Cutler**

Death Date: 6/28/1868 Marker Type: Headstone/pinned base

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
	7/6/2015
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lydia Cutler**
Death Date: 12/18/1858 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/6/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **HulDAH Bates**
Death Date: 1/4/1874 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Overgrowth removed by DPW 2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/13-14/2015

Comments: **Shrubs to be removed**



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Charles Crocker
Death Date:	4/23/1921	Marker Type: Obelisk
Cond. of Inscription:	Legible	Material: Granite
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset plumb
TREATMENT		
Treatment Dates		7/13/2015
1. Soil removed around base unit and base raised up with hydraulic jacks to level.		
2. Existing foundation stones exposed and built up to support base unit.		
3. Base re-set plumb at appropriate height and level		
4. Area beneath and around base backfilled with tamped sand and gravel		
5. Disturbed areas re-graded with existing topsoil.		

Comments:

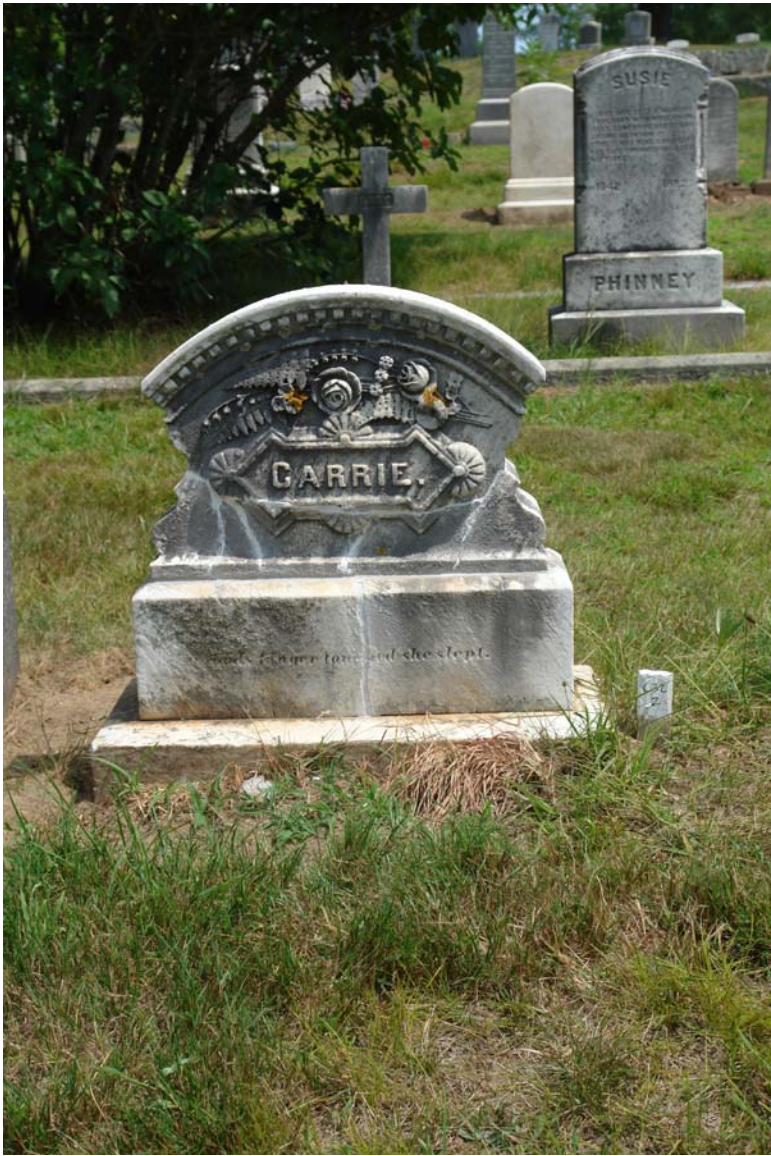


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Carrie (Crocker)**
Death Date: Marker Type: Sm. monument pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates
1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools. 2. In-ground base reset level. Replace setting pins with threaded stainless pins if required. 3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. 4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min. 5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water. 6. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand. 8. Excess mortar removed from joints and braced for a min 3 days 9.. Surfaces treated with D/2 biological solution, scrubbed with nylon brushes, and fully rinsed with water.	7/6-13/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Our Darling Freddie** “Fred Crocker”
Death Date: 10/11/1878 Marker Type: Sm monument pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates
1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools. 2. In-ground base reset level. Replace setting pins with threaded stainless pins if required. 3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. 4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min. 5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water. 6. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand. 8. Excess mortar removed from joints and braced for a min 3 days 9.. Surfaces treated with D/2 biological solution, scrubbed with nylon brushes, and fully rinsed with water.	76/6-14/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Baby (Phinney)
Death Date: n.a.	Marker Type: Cross
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb New base required
TREATMENT	
Treatment Dates 7/6/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,	
3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured	
4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..	
6. Marker set plumb and level, and braced for minimum of 3 days.	
7. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Abby Stetson
Death Date:	5/3/1858	Marker Type: Headstone
Cond. of Inscription:	Decipherable	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Fractures Loose on base		Attach fragments with structural adhesive Reset elements
TREATMENT		
Treatment Dates		7/13-30/2015
1. Area excavated to an appropriate depth removing any roots or large stones aligning base with adjacent markers and re-set level.		
2. Setting surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker		
3. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins		
4. Setting surfaces primed with Acryl 60 diluted 1:3 with water.		
5. Marker reset plumb and level onto base with cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days. Excess grout removed.		
6. Losses filled with Jahn restoration mortar.		

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Betsey Stetson

Death Date: 11/27/1901

Marker Type: Headstone

Cond. of Inscription: n.a.

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on ba	Reset base level Reset elements se

TREATMENT

Treatment Dates 7/13-14/2015

1. Overgrowth removed by DPW

2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Failed mortar removed from setting area and bottom of marker

6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins

7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.

9. Excess grout removed and joint area cleaned.

10. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Children Stetson
Death Date:	Marker Type: Sm. Marker/base
Cond. of Inscription: Partially decipherable Material: Marble	
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements
TREATMENT	
Treatment Dates 6/30-7/6/2015	
<div>1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.</div> <div>2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.</div> <div>3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.</div> <div>4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.</div> <div>5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.</div> <div>6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.</div> <div>8. Excess mortar removed from joints and braced for a min 3 days</div> <div>9.. Surfaces treated with D/2 biological solution, scrubbed with nylon brushes, and fully rinsed with water.</div>	
Comments:	



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Albert Barstow**
Death Date: 4/7/1863 Marker Type: Headstone/slot base
Cond. of Inscription: legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset into new below grade concrete base

TREATMENT	Treatment Dates
1. Base found to be fragmented and sound. Failed mortar removed from setting slot with hand tools. 2. In-ground base reset level. 3. Base fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. 4. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 5. Excess grout removed and joint area cleaned. 6. Marker braced for a minimum 3 days	7/13-14/2015

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		
Caroline Barstow		
Death Date: -		
Marker Type: Headstone/base		
Cond. of Inscription: Legible		
Material: Marble		
EXISTING CONDITIONS		CONSERVATION STRATEGY
Fallen		Reset into new below grade concrete base
TREATMENT		
		Treatment Dates 6/30-7/6/2015
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.		
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.		
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured		
4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel		
5. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.		
6. Marker set plumb and level, and braced for minimum of 5 days.		
7. Disturbed areas backfilled with existing topsoil.		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Albert Barstow**
Death Date: 9/22/1873 Marker Type: Headstone
Cond. of Inscription: Partially decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Reset into new below grade concrete base Fill losses

TREATMENT	Treatment Dates
1. Setting area excavated for new below grade cast concrete base 2. A new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone is cast. The finished top to be below grade. A form for a setting slot 1" wider than the marker is placed in the concrete. 3. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 4. Marker was reset plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days 5. Losses filled with Jahn restoration mortar 6. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water	7/6-7/2015

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Susan Bailey				
Death Date: 9/4/1880	Marker Type: Headstone/base				
Cond. of Inscription: Decipherable	Material: Granite				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted	Reset plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 6/30/2015</td></tr><tr><td colspan="2"><div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div><div>2. Soling removed by light brushing with nylon brushes and water.</div><div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div><div>4. Area backfilled around marker with tamped sand and gravel</div><div>5. Disturbed areas re-graded with existing topsoil and sod.</div><div>6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.</div></td></tr></table>		TREATMENT	Treatment Dates 6/30/2015	<div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div> <div>2. Soling removed by light brushing with nylon brushes and water.</div> <div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div> <div>4. Area backfilled around marker with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil and sod.</div> <div>6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.</div>	
TREATMENT	Treatment Dates 6/30/2015				
<div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div> <div>2. Soling removed by light brushing with nylon brushes and water.</div> <div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div> <div>4. Area backfilled around marker with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil and sod.</div> <div>6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.</div>					

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Elijah Sylvester
Death Date: 5/14/1864	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/30-7/6/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
5. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
6. Marker set plumb and level, and braced for minimum of 5 days.	
7. Disturbed areas backfilled with existing topsoil.	
8. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Elijah Sylvester
Death Date:	8/26/1906	Marker Type: Headstone/slot
Cond. of Inscription:	Decipherable	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted Marker loose in slot		Reset base level Reset marker plumb into setting slot
TREATMENT		
Treatment Dates		6/30/2015
1. Elements removed from setting bases and inspected for soundness.		
2. Area excavated to an appropriate depth removing any roots or large stones.		
3. Base is aligned with adjacent markers and re-set level.		
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil		
5. Failed mortar removed from setting area and bottom of marker		
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins		
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.		
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.		
9. Excess grout removed and joint area cleaned.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Mary Rumney
Death Date: 3/25/1866	Marker Type: Headstone/slot
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot
TREATMENT	
Treatment Dates 6/30/2015	
1. Area excavated to an appropriate depth removing any roots or large stones.	
2. Base inspected and found to be sound and re-useable	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.	
6. When required, the lower setting edge was re-squared by power grinder with minimal loss.	
7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
8. Excess grout removed and joint area cleaned.	
9. Marker braced for a minimum 3 days	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Etta Barstow**
Death Date: 10/6/1870 Marker Type: Sm. Marker/pinned
Cond. of Inscription: Partial Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose on post	Inspect base unit Reset into new below grade concrete base

TREATMENT	Treatment Dates
	7/6-7/2015
1. Elements removed from setting bases and inspected for soundness. Below grade base not discovered. 2. Area excavated to an appropriate depth removing any roots or large stones and a sonotube form was placed at the appropriate height and filled with concrete to act as a new base. 3. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 4. Failed mortar removed from setting area and bottom of marker 5. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 6. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 7. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. Excess grout removed and joint area cleaned. 8. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.	

Comments: “before” picture mislabeled



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary Rumney**
Death Date: - Marker Type: Sm. Marker/pinned
Cond. of Inscription: Partial Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose on base	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
	6/30/2015
1. Elements removed from setting bases and inspected for sound- ness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re- graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if neces- sary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. Excess grout removed and joint area cleaned 9. Surface treated with D/2 Biological solution, brushed and fully rinsed with water.	

Comments: “before” picture mislabeled



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Grace Barstow
Death Date:	Marker Type: Sm marker/pinned
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose on post	Inspect base unit Reset marker to post

TREATMENT	Treatment Dates 6/30/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. Excess grout removed and joint area cleaned</div> <div>9. Surface treated with D/2 Biological solution, brushed and fully rinsed with water.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mary (Barstow)**
Death Date: Marker Type: Sm marker/pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose on post	Inspect base unit Reset marker to post

TREATMENT	Treatment Dates
	6/30/2015
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. Excess grout removed and joint area cleaned 9. Surface treated with D/2 Biological solution, 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

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Ruth Turner**
Death Date: 7/18/1877 Marker Type: Headstone/slotted
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	6/23/2015

Comments:



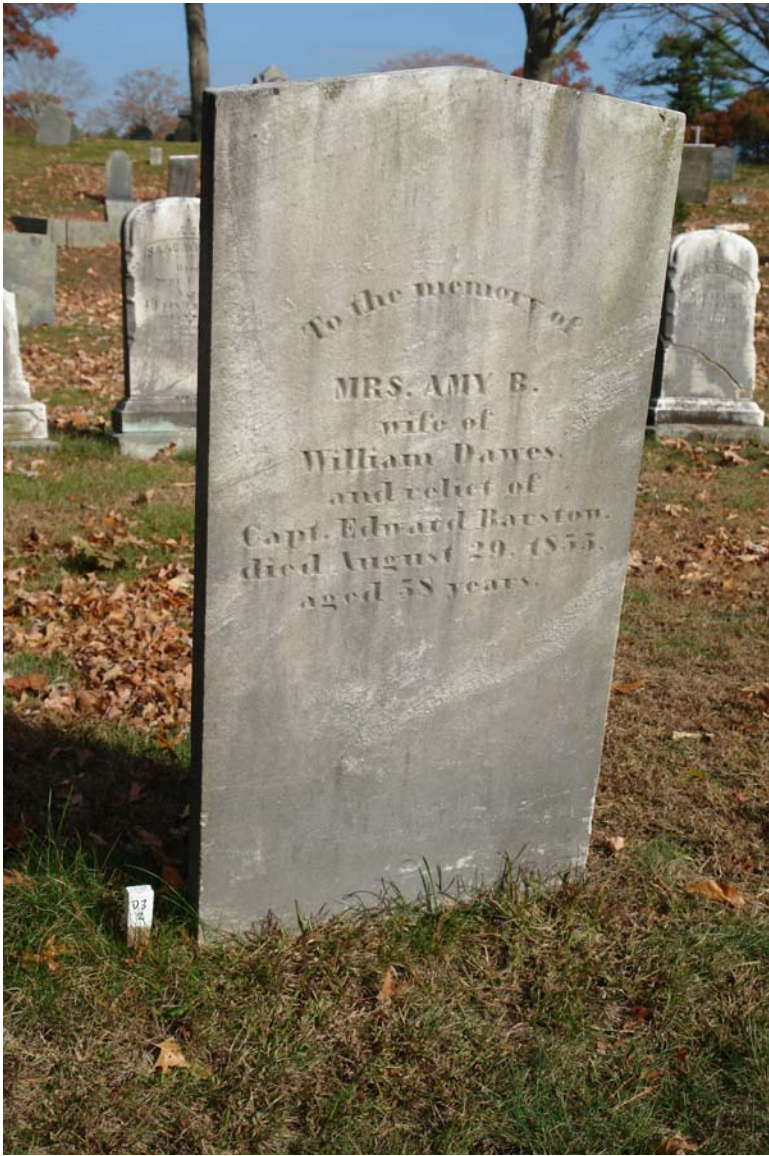
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	William Dawes
Death Date: 2/19/1867	Marker Type: Headstone/slotted
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 6/16/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Amy Dawes
Death Date:	8/29/1855	Marker Type: Headstone/slotted
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset plumb
TREATMENT		
Treatment Dates		6/16/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **George Tolman**
Death Date: 1887 Marker Type: Headstone/pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	6/17/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Sarah Wilder	
Death Date: 9/28/1836	Marker Type: Headstone/pinned
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose on base	Level base if required Reset elements
TREATMENT	
Treatment Dates 6/17/2015	
<div>1. Inspect marker for soundness , restore as necessary.</div> <div>2. If base is tilted, excavate area around in-ground base. Align base with adjacent markers and re-set level at appropriate height onto a gravel bed. Backfill with tamped gravel and re-grade area.</div> <div>3. Remove any failed mortar from setting surfaces w/ hand tools.</div> <div>4. If required, replace setting pins with threaded stainless pins.</div> <div>5. If necessary, treat setting surfaces with D/2 biological solution, scrub with nylon brushes, and fully rinse with water</div> <div>6. Prime setting surfaces with Acryl 60 diluted 1:3 with water.</div> <div>7. Re-set base elements and reset marker plumb onto base with 2:1:8 cementitious high cal lime mortar using fine (00 or 000) sand. Use lead shims if necessary to plumb marker.</div> <div>8. Remove excess mortar from joints.</div>	

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Lucinda Wilder				
Death Date: 8/2/1871	Marker Type: Sm mon./pinned				
Cond. of Inscription: Legible	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted base	Reset base with marker plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 6/17/2015</td></tr><tr><td colspan="2"><div>1. Elements removed from setting bases and inspected for soundness.</div><div>2. Area excavated to an appropriate depth removing any roots or large stones.</div><div>3. Base is aligned with adjacent markers and re-set level.</div><div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div><div>5. Failed mortar removed from setting area and bottom of marker</div><div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div><div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div><div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div><div>9. Excess grout removed and joint area cleaned.</div></td></tr></table>		TREATMENT	Treatment Dates 6/17/2015	<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	
TREATMENT	Treatment Dates 6/17/2015				
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>					

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Isaac Wilder**
Death Date: 7/1/1879 Marker Type: Headstone/pinned
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates
6/17/2015	
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Caleb Wilder
Death Date: 5/22/1818	Marker Type: Headstone/conc
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured at grade	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/12/2015	
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth..	
2. Base inspected and found to be sound and re-useable	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.	
6. When required, the lower setting edge was re-squared by power grinder with minimal loss.	
7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
8. Excess grout removed and joint area cleaned.	
9. Marker braced for a minimum 3 days	
10. Surface treated with D/2, scrubbed with soft brushes and rinsed with water.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Cordelia Stetson**
Death Date: 8/22/1860 Marker Type: Headstone/slotted
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	6/16/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Eliza Stetson

Death Date: 3/22/1864

Marker Type: Sm Obelisk/base

Cond. of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Marker off base Tilted	Reset base level Reset elements

TREATMENT

Treatment Dates6/12/2015

1. Soil removed around base unit and base jacked up to level.

2. Existing foundation stones exposed and built up to support base unit.

3. Base re-set plumb at appropriate height and level, aligned with adjacent markers

4. Area beneath and around base backfilled with tamped sand and gravel

5. Disturbed areas re-graded with existing topsoil.

6. Failed setting mortars removed from setting bed with hand chisels as necessary

7. Setting pins examined, if sound they were re-used, if rusted or failed and required, replaced with stainless steel threaded studs.

8. Setting bed area primed with Acryl 60 diluted 1:3 with water, marker reset with cement/lime mortar (3/2/9) with 000 sand.

9. Marker plumbed as necessary with lead shims.

10. Excess grout removed and joint area 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

Height 25 Width 8 Thickness 8 Marker# D.7.2

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Ida Whiting
Death Date: 8/9/1863	Marker Type: Headstone/conc
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/22/2015	
1. Marker and base found to be in sound condition with marker securely attached to base.	
2. Area excavated to an appropriate depth removing any roots or large stones.	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Mehitable Brooks
Death Date:	7/21/1889	Marker Type: Headstone/conc
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted base		Reset base with marker plumb
TREATMENT		
Treatment Dates		6/23-29/2015
<div>1. Marker appears to be firmly set into base.</div> <div>2. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height.</div> <div>3. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools</div> <div>4. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.</div> <div>5. Cracks and losses filled with RepliCal Marble products, filled areas misted with water and covered for 3 days minimum</div> <div>6. Filled areas treated with light acid wash and rinsed thoroughly</div>		

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Samuel Brooks
Death Date:	8/26/1858	Marker Type: Headstone/conc
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted base		Reset into new below grade concrete base
TREATMENT		
Treatment Dates		6/24-29/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>		

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Mehitable Hanson
Death Date:	6/25/1892	Marker Type: Monument/base
Cond. of Inscription:	Decipherable	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted Marker loose on base		Check base for level Reset marker plumb
TREATMENT		
Treatment Dates		6/23-29/2015
1. Elements removed from setting bases and inspected for soundness.		
2. Area excavated to an appropriate depth removing any roots or large stones.		
3. Base is aligned with adjacent markers and re-set level.		
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil		
5. Failed mortar removed from setting area and bottom of marker		
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins		
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.		
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.		
9. Excess grout removed and joint area cleaned.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Edwin B. (Dwelly)
Death Date: -	Marker Type: Sm marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates 6/23/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Maria Goodrich

Death Date: 1904

Marker Type: Marker, slanted

Cond. of Inscription: Legible

Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT

Treatment Dates 6/23/2015

1. Elements removed from setting bases and inspected for soundness.

2. Area excavated to an appropriate depth removing any roots or large stones.

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Failed mortar removed from setting area and bottom of marker

6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins

7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.

9. Excess grout removed and joint area cleaned.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	George Goodrich
Death Date: 7/28/1866	Marker Type: Headstone/base
Cond. of Inscription: Mostly decipherable Material: Marble	
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates 6/22-7/7/2015
<div>1. Area excavated to an appropriate depth removing any roots or large stones aligning base with adjacent markers and re-set level.</div> <div>2. Setting surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker</div> <div>3. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>4. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>5. Marker reset plumb and level onto base with cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days. Excess grout removed.</div> <div>6. Losses filled with Jahn restoration mortar.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Huldah Dwelly**
Death Date: 3/6/1883 Marker Type: Headstone/slotted base
Cond. of Inscription: Mostly decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates 6/23/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Amy Dwelly

Death Date: 4/5/1880

Marker Type: Headstone/pinned

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT

Treatment Dates 6/23-24/2015

1. Area excavated to an appropriate depth removing any roots or large stones aligning base with adjacent markers and re-set level.

2. Setting surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker

3. Fragments attached with structural adhesive, clamped and braced until cured. Epoxy removed with hand chisels within 24 hours.

4. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins

5. Setting surfaces primed with Acryl 60 diluted 1:3 with water.

6. Marker reset plumb and level onto base with cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days. Excess grout removed.

7. Cracks and losses filled with RepliCal Marble products or Jahn restoration mortar.

8. Filled areas misted with water and covered for 3 days minimum

9. Filled surface areas treated with light acid wash and rinsed thoroughly

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sylvanus Percival**
Death Date: n.a. Marker Type: Headstone
Cond. of Inscription: Legible/Buried Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Sunken	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	6/29/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Jacob Bailey**
Death Date: 1/21/1888 Marker Type: Headstone on base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Stone recently fallen	Level base Reset elements

TREATMENT	Treatment Dates 7/14/2015
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Betsey Bartsow
Death Date:	3/8/1871	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset plumb
TREATMENT		
Treatment Dates		6/30/2015
1. Marker and base found to be in sound condition with marker securely attached to base.		
2. Area excavated to an appropriate depth removing any roots or large stones.		
3. Base is aligned with adjacent markers and re-set level.		
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Herbert Reed	
Death Date: 5/12/1883	Marker Type: Sm. Mon/pinned
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements
TREATMENT	
Treatment Dates 7/6-7/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones aligning base with adjacent markers and re-set level.</div> <div>2. Setting surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker</div> <div>3. Fragments attached with structural adhesive, clamped and braced until cured. Epoxy removed with hand chisels within 24 hours.</div> <div>4. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>5. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>6. Marker reset plumb and level onto base with cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days. Excess grout removed.</div> <div>7. Cracks and losses filled with RepliCal Marble products or Jahn restoration mortar.</div> <div>8. Filled areas misted with water and covered for 3 days minimum</div> <div>9. Filled surface areas treated with light acid wash and rinsed thoroughly</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

William Curtis

Death Date: 1871

Marker Type: Marker, slanted

Cond. of Inscription: Legible

Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 6/30/2015
-----------	------------------------------

1. Marker carefully excavated. The soil around tilted markers 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.

6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Caleb Mann**
Death Date: 2/23/1840 Marker Type: Headstone/slotted base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	6/17/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Molly Mann**
Death Date: 9/23/1792 Marker Type: Headstone/concrete
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	6/17/2015

Comments:

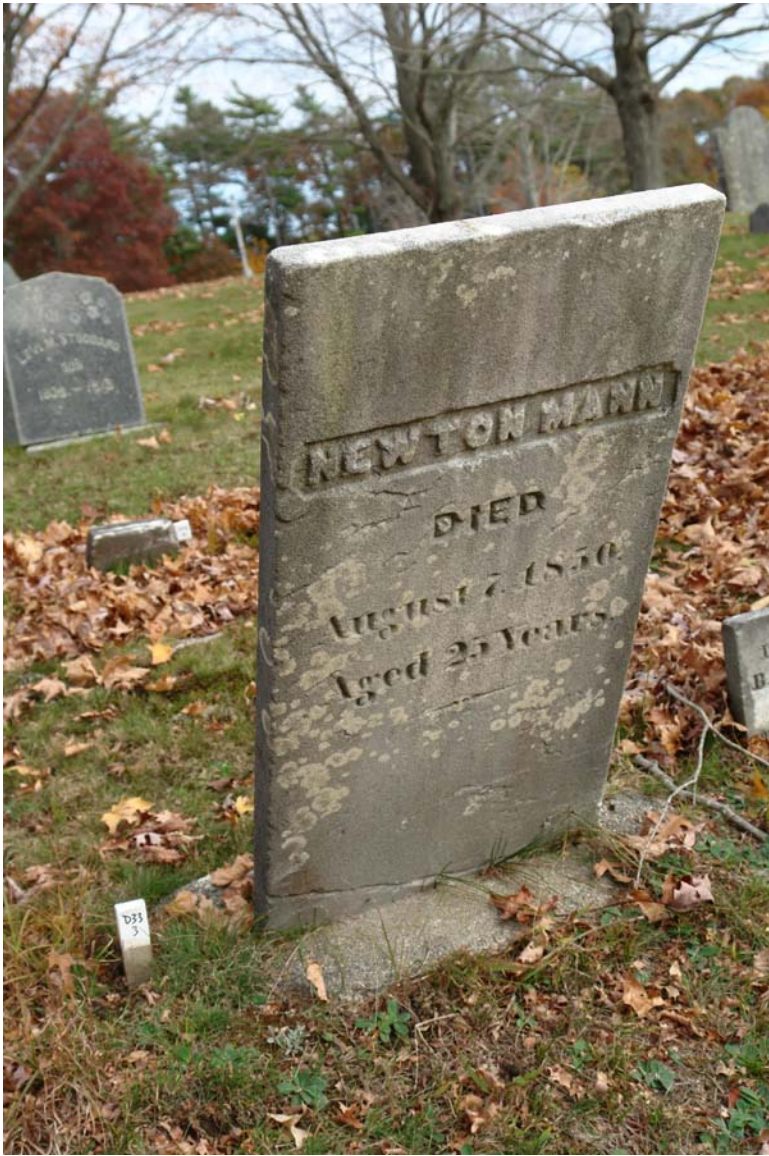


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Newton Mann**
Death Date: 8/7/1850 Marker Type: Headstone/conc base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Evaluate resetting options Reset into new below grade concrete base

TREATMENT	Treatment Dates
6/17-22/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	N.M. (Newton Mann)
Death Date:	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/17/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



CONDITION ASSESSMENT

Inspection Date: **11/4/2014**

Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

H.M. (Henrietta Mann)

Death Date:

Marker Type: Footstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Loose in base

Evaluate resetting options
Possible new below grade
concrete base

TREATMENT

Treatment Dates 6/17/2015

1. Marker carefully excavated. The soil around tilted markers 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.

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

Height -

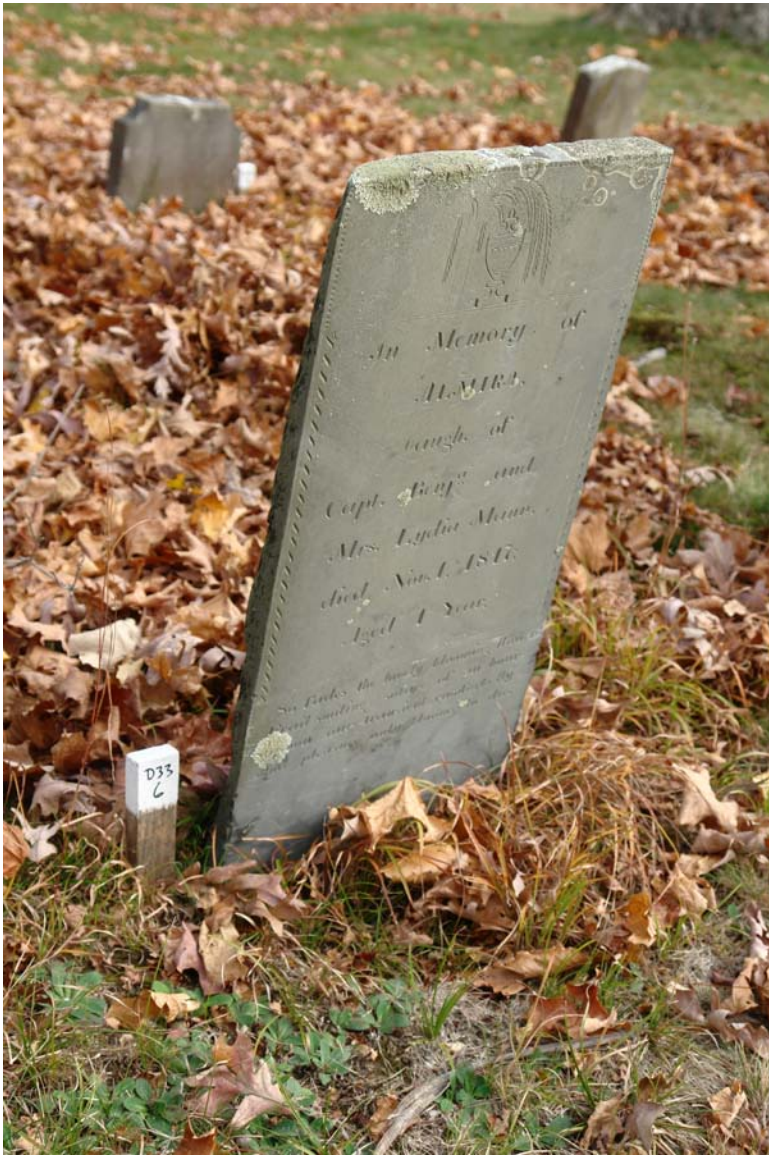
Width

Thickness

Marker# **D.33.5**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Almira Mann
Death Date: 11/1/1817	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 6/17/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

A.M. (Almira Mann)

Death Date:

Marker Type: Footstone

Cond. of Inscription: Legible

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates6/17/2105

1. Marker carefully excavated. The soil around tilted markers 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.

6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **L. M. (Lydia Mann)**
Death Date: 1834 Marker Type: Footstone
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates 6/17/2015
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Soling removed by light brushing with nylon brushes and water.</p> <p>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</p> <p>4. Area backfilled around marker with tamped sand and gravel</p> <p>5. Disturbed areas re-graded with existing topsoil and sod.</p> <p>6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.</p>	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

B. M. (Benjamin Mann)

Death Date:

Marker Type: Footstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Tilted

Reset plumb

TREATMENT

Treatment Dates 6/17/2015

1. Marker carefully excavated. The soil around tilted markers 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.
6. Surface treated with D/2 Biological solution, brushed with nylon brushes 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

Height - Width Thickness Marker# **D.33.9**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Albert Mann**
Death Date: 6/28/1865 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for sound- ness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re- graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if neces- sary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	6/17/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Philip Barstow**

Death Date: 12/28/1765 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilting Delaminating	Reset plumb Fill voids caused by delaminations

TREATMENT	Treatment Dates
1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound. 2. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level, aligned w/ adjacent markers 3. Area backfilled around marker with tamped sand and gravel and re-graded with existing topsoil and sod. 4. Delaminated areas and surface treated with D/2 Biological Solution, brushed into stone with nylon brushes and rinsed fully with water 5. Interior voids flushed with water and any lichens and/or debris removed with hand tools. 6. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter. 7. Excess crack filler immediately removed with repeated damp sponging.	6/17-18/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Deborah House
Death Date: 7/25/1762	Marker Type: Headstone
Cond. of Inscription: Decipherable	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilting Delaminating	Reset plumb Fill voids caused by delaminations
TREATMENT	
Treatment Dates 6/17-18/2015	
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level, aligned w/ adjacent markers</p> <p>3. Area backfilled around marker with tamped sand and gravel and re-graded with existing topsoil and sod.</p> <p>4. Delaminated areas treated with D/2 Biological Solution and brushed into stone with nylon brushes and rinsed fully with water</p> <p>5. Interior voids flushed with water and any lichens and/or debris removed with hand tools.</p> <p>6. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.</p> <p>7. Excess crack filler immediately removed with repeated damp sponge-</p>	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Samuel Barstow

Death Date: 10/23/1730

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Slate

EXISTING CONDITIONS

CONSERVATION STRATEGY

Delaminating

Cap voids caused by delaminations.

TREATMENT

Treatment Dates 6/17-18/2015

1. Delaminated areas treated with D/2 Biological Solution and brushed into stone with nylon brushes and rinsed fully with water
2. Interior voids flushed with water and any lichens and/or debris removed with hand tools.
3. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.
4. Excess crack filler immediately removed with repeated damp sponging.

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

Height 17 Width 19 Thickness 2 Marker# **D.34.3**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Mary Bryant
Death Date: n.a.	Marker Type: Headstone
Cond. of Inscription: Decipherable	Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

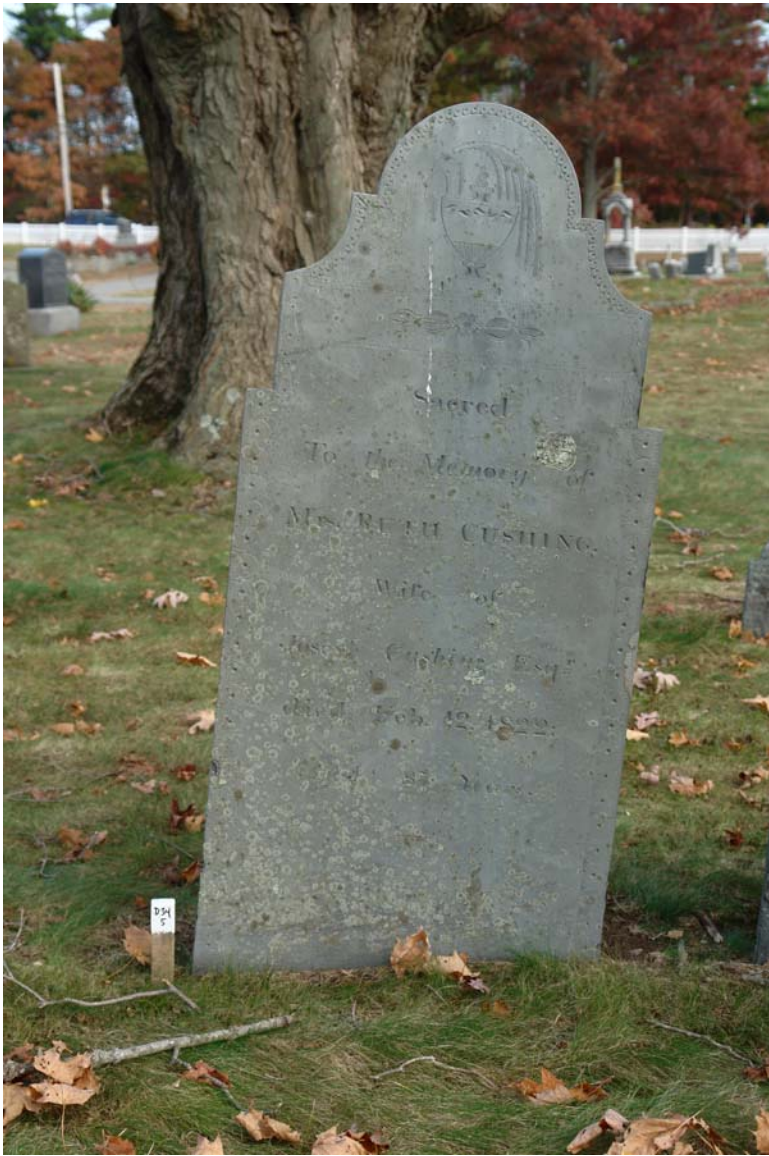
TREATMENT	Treatment Dates 7/14-30/2015
<p>1. Setting area excavated for new below grade cast concrete base</p> <p>2. A new concrete base sized min. 12" deep, 12" greater in thick-ness and 6" wider than the stone is cast. The finished top to be below grade. A form for a setting slot 1" wider than the marker is placed in the concrete.</p> <p>3. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</p> <p>4. Lower losses filled with pigmented Jahn restoration mortar. Af-ter 7 day cure marker was reset plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days</p> <p>5. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water</p>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Ruth Cushing
Death Date: 2/12/1822	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/14/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Ezra Mann**

Death Date: 11/26/1775 Marker Type: Headstone/conc base

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Voids caused by delaminating	Cap voids caused by delaminations.

TREATMENT	Treatment Dates 6/17-18/2015
<p>1. Delaminated areas treated with D/2 Biological Solution and brushed into stone with nylon brushes and rinsed fully with water</p> <p>2. Interior voids flushed with water and any lichens and/or debris removed with hand tools.</p> <p>3. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.</p> <p>4. Excess crack filler immediately removed with repeated damp sponging.</p>	

Comments:



Height 30 Width 24 Thickness 3 Marker# **D.36.1**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Abigail Mann
Death Date: 1785	Marker Type: Footstone
Cond. of Inscription: Decipherable	Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Complete delaminations, fragmented	Evaluate detachment, attach cementitious binder

TREATMENT	Treatment Dates 6/29-7/13/2105
<p>1. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water</p> <p>2. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas.</p> <p>3. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels</p> <p>4. Top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.</p> <p>5. Excess crack filler immediately removed with repeated damp sponging.</p>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Seth Curtis
Death Date: 6/4/1812	Marker Type: Headstone
Cond. of Inscription: Partially decipherable	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Multiple fractures	Attach fragments with structural adhesive Reset into new below grade concrete base
TREATMENT	
Treatment Dates 6/30-7/13/2015	
<div>1. Setting area excavated for new below grade cast concrete base. Missing fragments were not discovered</div> <div>2. A new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone was cast. The finished top to be below grade. A form for a setting slot 1" wider than the marker is placed in the concrete.</div> <div>3. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>4. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water</div> <div>5. When dry, fragments attached with structural adhesive and braced.</div> <div>6. After 7 day cure marker was reset plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand and braced.</div> <div>7. Losses filled with pigmented Jahn restoration mortar.</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

S. C. (Seth Curtis)

Death Date:Marker Type: Footstone

Cond. of Inscription: LegibleMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates

6/22/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Anna Mann**
Death Date: 3/14/1789 Marker Type: Headstone/ conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
1. Marker carefully excavated. The soil around tilted markers 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. 6. Surface treated with D/2 Biological solution, brushed with nylon brushes and fully rinsed with water.	6/18/2015

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Sarah Mann
Death Date:	12/2/1832	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Slate
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted		Reset into new below grade concrete base
TREATMENT		
Treatment Dates		6/18-22/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sarah Stoddard**
Death Date: 5/4/1844 Marker Type: Headstone/conc. base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured at grade	Reset into new below grade concrete base

TREATMENT	Treatment Dates
1. Setting area excavated for new below grade cast concrete base 2. A new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone is cast. The finished top to be below grade. A form for a setting slot 1" wider than the marker is placed in the concrete. 3. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 4. Lower fragment was reset plumb and level into slot using a cement/ lime grout (3/2/9) with 000 sand. Braced for min 3 days 5. All mating edges of fragments cleaned with water 6. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours. 7. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water	6/18-29/2015

Comments:

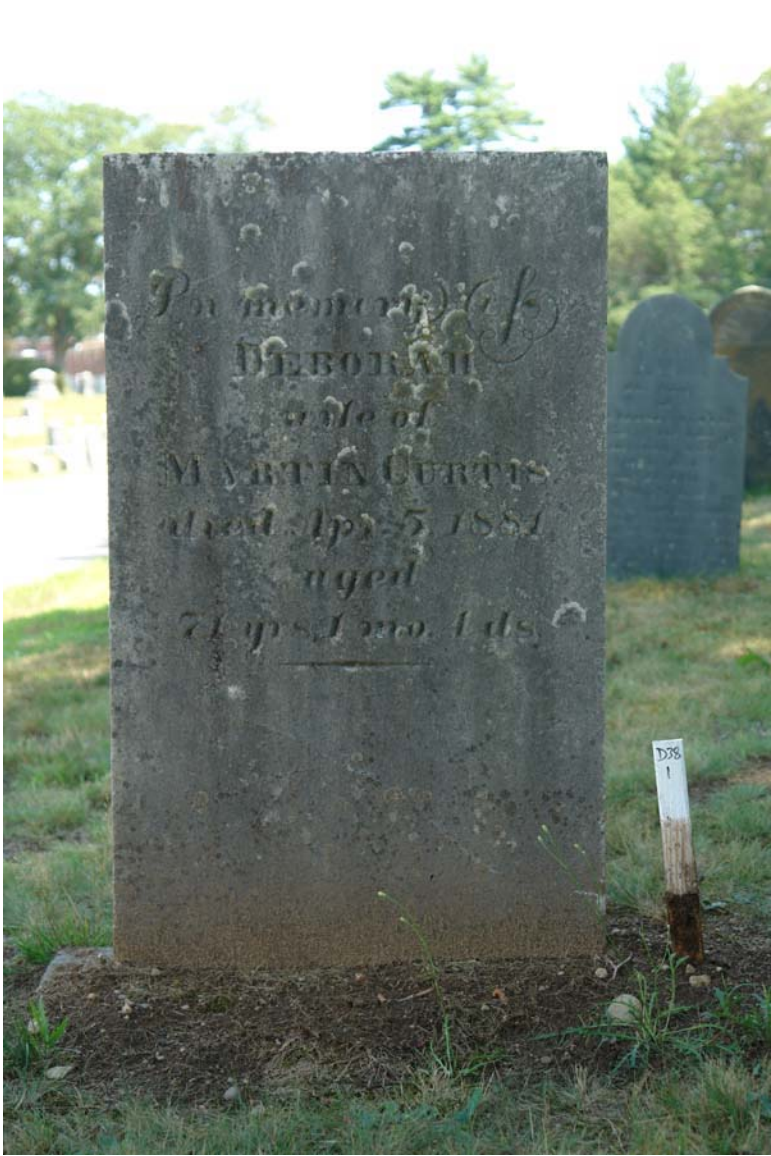


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Deborah Curtis**
Death Date: 4/5/1881 Marker Type: Headstone/conc. base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/14/2015

Comments:

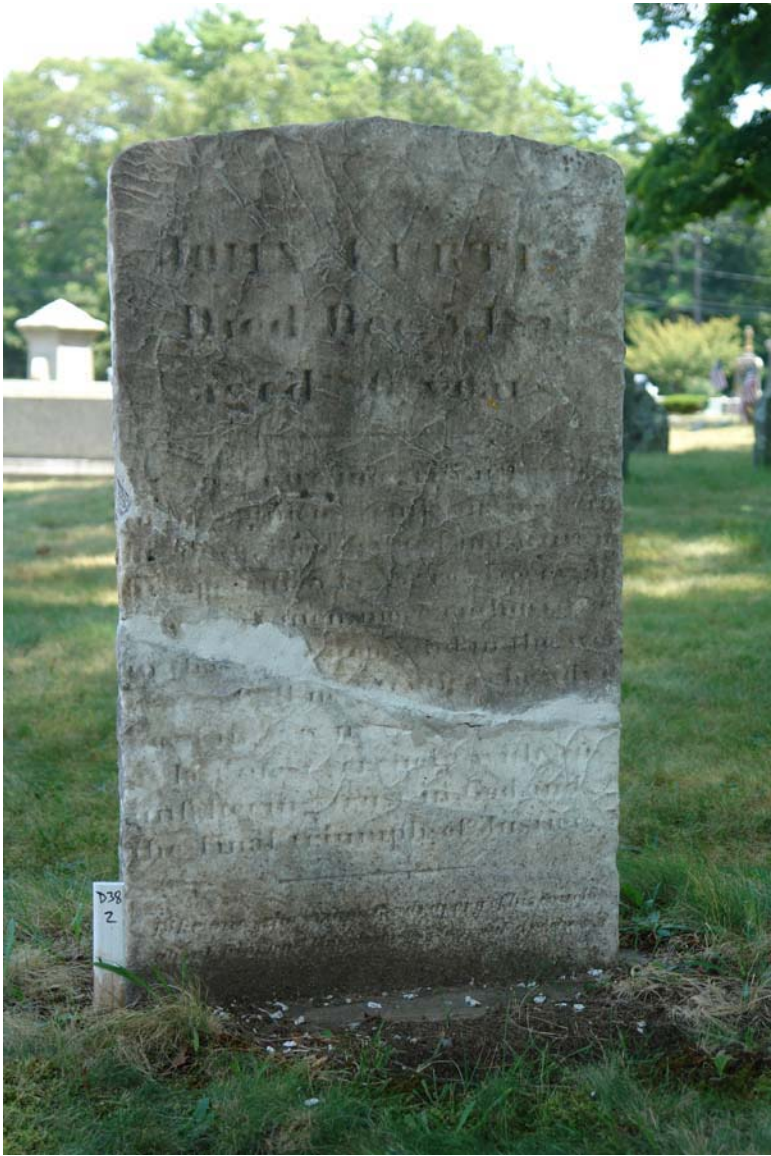


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **John Curtis**
Death Date: 12/5/1851 Marker Type: Headstone/conc.base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive

TREATMENT	Treatment Dates
1. Failed mortar found to be firmly attached to fragments and areas of fracture sugaring. Because of the condition of the marble, losses and amount of old mortar it was determined to leave the mortar and attach the fragments. 2. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas. 3. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels 4. Cracks and voids filled with Jahn cementitious mortar. 5. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water	7/7-13/2015

Comments: **Condition of the marker is fragile**



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

William Curtis

Death Date: 1/20/1779

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Voids caused by delaminating	Cap voids caused by delaminations.

TREATMENT

Treatment Dates 6/17-18/2015

1. Delaminated areas treated with D/2 Biological Solution and brushed into stone with nylon brushes and rinsed fully with water

2. Interior voids flushed with water and any lichens and/or debris removed with hand tools.

3. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.

4. Excess crack filler immediately removed with repeated damp sponging.

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Martha Curtis**
Death Date: 11/30/1786 Marker Type: Headstone/conc.base
Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Voids caused by delaminating	Cap voids caused by delaminations.

TREATMENT	Treatment Dates	n.a.
1. Fragments missing 2. Face delaminations are cracks and not large enough to treat.		

Comments:



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Height 22 Width 22 Thickness 1.5 Marker# **D.41.2**

Hanover Center Cemetery, Hanover MA

NAME ON MARKERJob Curtis

Death Date:Marker Type: Footstone

Cond. of Inscription: LegibleMaterial: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates6/22/2015

1. Marker carefully excavated. The soil around tilted markers 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 immediately behind headstone 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.

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Mary Josselyn**

Death Date: 8/2/1854 Marker Type: Headstone/conc.base

Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 6/17-18/2015
<div>1. Existing base located below grade and found to be sound.</div> <div>2. Area excavated to an appropriate depth and base was aligned with adjacent markers and re-set level and backfilled with tamped gravel.</div> <div>3. Setting slot cleaned of debris or failed mortar</div> <div>4. Lower fragment reset plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Braced for min 3 days</div> <div>5. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools</div> <div>6. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.</div> <div>7. Cracks and losses filled with RepliCal Marble products .</div> <div>8. Filled areas misted with water and covered for 3 days minimum</div> <div>9. Filled surface areas treated with light acid wash rinsed thoroughly</div> <div>10. When required, all surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Oren Josselyn**
Death Date: 6/23/1880 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 6/16/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:

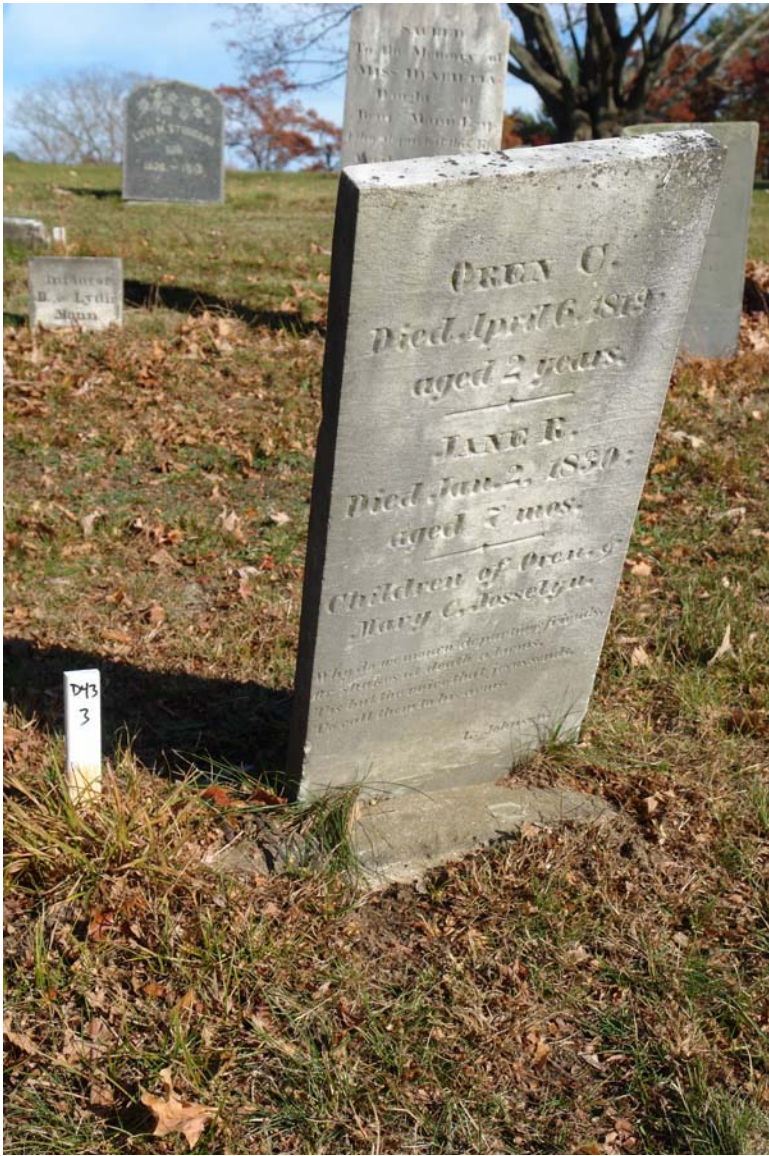


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Oren C. Josselyn**
Death Date: 4/6/1819 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Reset into new below grade concrete base

TREATMENT	Treatment Dates
1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound. 2. Failed concrete at base removed with hand tools. 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.	6/16/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Edmund Sylvester
Death Date: 9/22/1942	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset into new below grade concrete base
TREATMENT	
Treatment Dates /29/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from marker with hand tools.</div> <div>6. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Excess grout removed and joint area cleaned.</div> <div>8. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Luther Litchfield

Death Date: 11/4/1908

Marker Type: Headstone/base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates	7/22/2015
-----------	-----------------	-----------

1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.

2. Base inspected and found to be sound and re-useable

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.

6. When required, the lower setting edge was re-squared by power grinder with minimal loss.

7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.

8. Excess grout removed and joint area cleaned.

9. Marker braced for a minimum 3 days

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lucinda Litchfield**
Death Date: 8/21/1879 Marker Type: Headstone/slotted base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
	7/29-30/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: **IS & MJ**

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Marie Litchfield

Death Date: 11/22/1864

Marker Type: Headstone/slotted base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Tilted base

Reset base with marker plumb

TREATMENT

Treatment Dates 7/22/2015

1. Elements removed from setting bases and inspected for soundness.
2. Area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area cleaned.

Comments:



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Height 32 Width 15 Thickness 2.5 Marker# **E.6.3**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Charles Tower
Death Date: 1895	Marker Type: Obelisk
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/21-22/2015	
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Frances Smith
Death Date: n.a.	Marker Type: Small die
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/21-22/2015	
1. Elements removed from setting bases and inspected for soundness.	
2. Area excavated to an appropriate depth removing any roots or large stones.	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
5. Failed mortar removed from setting area and bottom of marker	
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins	
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.	
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.	
9. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Maria (Dyer)
Death Date:	Marker Type: Sm marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates 7/21-22/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Theodore (Dyer)	
Death Date:	Marker Type: Sm marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates 7/20/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	William Bonney
Death Date: 11/7/1917	Marker Type: Monument
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/20/2015	
1. Soil removed around base unit and base jacked up (or lowered) to level. 2. Existing foundation stones exposed and built up to support base unit. 3. Base re-set plumb at appropriate height and level, aligned with adjacent markers 4. Area beneath and around base backfilled with tamped sand and gravel. Disturbed areas re-graded with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	William Philips
Death Date: 5/15/1869	Marker Type: Headstone/pinned
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements
TREATMENT	
Treatment Dates 8/12-17/2015	
1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools. 2. In-ground base reset level. Replace setting pins with threaded stainless pins if required. 3. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 4. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand. 5. Excess mortar removed from joints and braced for a min 3 days 6. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min. 7. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Abraham Josselyn

Death Date: 4/27/1860

Marker Type: Headstone/conc.base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Tilted base

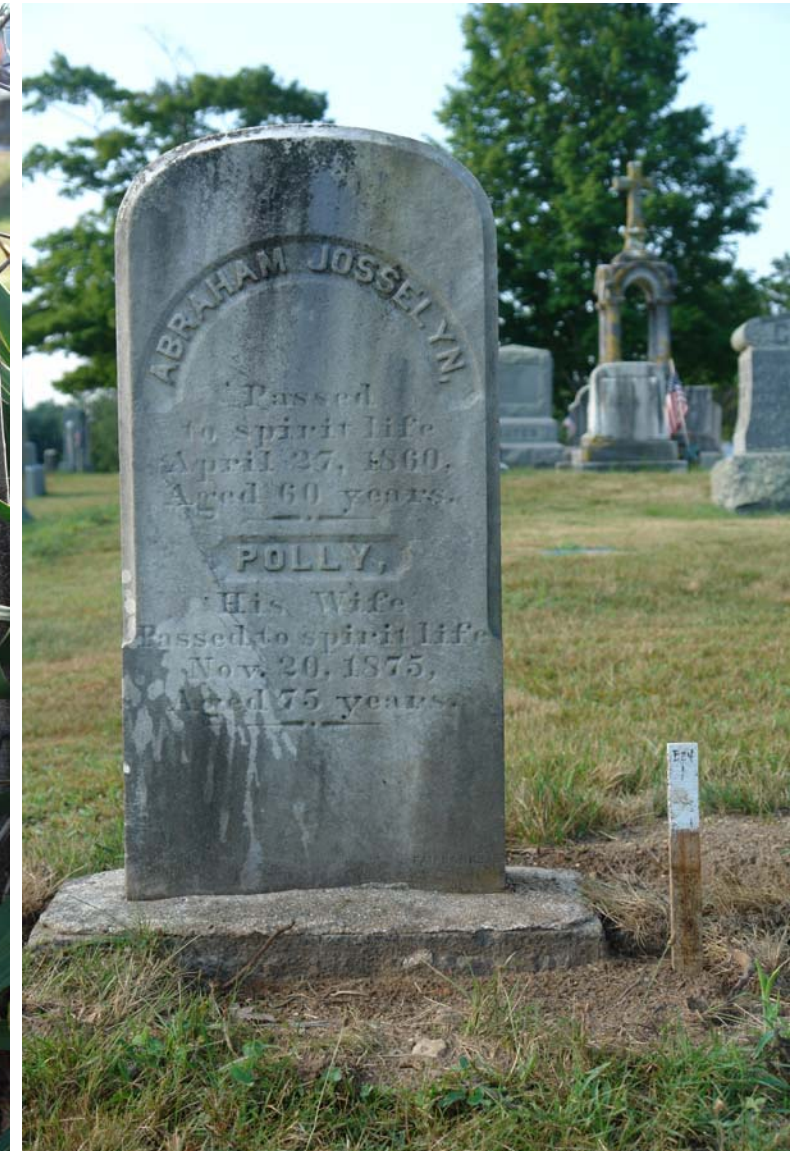
Reset base with marker plumb

TREATMENT

Treatment Dates 8/12/2015

1. Overgrowth removed by DPW
2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling.
9. Excess grout removed and joint area cleaned.

Comments: **Shrubs to be removed**



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Height 36 Width 18 Thickness 3 Marker# **E.24**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lemuel Waterman “ Father”**
Death Date: 1889 Marker Type: Sm mon/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/12-13/2015
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Alice Waterman**
Death Date: 1877 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling. 9. Excess grout removed and joint area cleaned.	8/12-13/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **John Savage**
Death Date: 1/16/1874 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	8/4/2015

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Elizabeth Savage**
Death Date: 6/28/1895 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
8/4/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



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Height 36 Width 21 Thickness 3 Marker# **E.29.2**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Silas Hollis**
Death Date: 11/7/1878 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	8/4/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Appleton Reed
Death Date: 1897	Marker Type: Marker/slanted
Cond. of Inscription: Decipherable	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/5/2015
<div>1. Soil removed around base unit and base jacked up to level.</div> <div>2. Existing foundation stones exposed and built up to support base unit.</div> <div>3. Base re-set plumb at appropriate height and level, aligned with adjacent markers</div> <div>4. Area beneath and around base backfilled with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Ruth Bartlett
Death Date: 8/20/1910	Marker Type: Cross
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/12-13/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,</div> <div>3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..</div> <div>6. Marker set plumb and level, and braced for minimum of 3 days.</div> <div>7. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	
Frank Reed	
Death Date: 1889	Marker Type: Marker, slanted
Cond. of Inscription: Decipherable	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/5/2015	
1. Soil removed around base unit and base jacked up to level. 2. Existing foundation stones exposed and built up to support base unit. 3. Base re-set plumb at appropriate height and level, aligned with adjacent markers 4. Area beneath and around base backfilled with tamped sand and gravel 5. Disturbed areas re-graded with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	George Studley				
Death Date: 2/13/1895	Marker Type: Headstone/base				
Cond. of Inscription: Legible	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted base	Reset base with marker plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 8/13/2015</td></tr><tr><td colspan="2"><div>1. Area excavated to an appropriate depth removing any roots or large stones.</div><div>2. Base inspected and found to be sound and re-useable</div><div>3. Base is aligned with adjacent markers and re-set level.</div><div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div><div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div><div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div><div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div><div>8. Excess grout removed and joint area cleaned.</div><div>9. Marker braced for a minimum 3 days</div></td></tr></table>		TREATMENT	Treatment Dates 8/13/2015	<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	
TREATMENT	Treatment Dates 8/13/2015				
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Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Elmer Keene**
Death Date: 2/24/1851 Marker Type:Headstone/pinned base
Cond. of InscriptionLegible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates 8/13-25/2015
<div>1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.</div> <div>2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.</div> <div>3. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.</div> <div>4. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.</div> <div>5. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>6. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.</div> <div>7. Excess mortar removed from joints and braced for a min 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: 3/6/1884

Cond. of Inscription: Partially decipherable

Marker Type: Headstone

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured at grade	Reset into new below grade concrete base

TREATMENT

Treatment Dates 8/12-25/2015

1. Area excavated and existed base located. Base is aligned with adj. markers and reset level at appropriate height.

2. Setting slot cleaned of debris or failed mortar and bottom fragment reset plumb and level into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. Excess grout removed and joint area cleaned.

3. Marker braced for a minimum 3 days

4. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools

5. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.

6. Cracks and losses filled with RepliCal Marble products, filled areas misted with water and covered for 3 days minimum

7. Filled areas treated with light acid wash and rinsed thoroughly.

Comments:

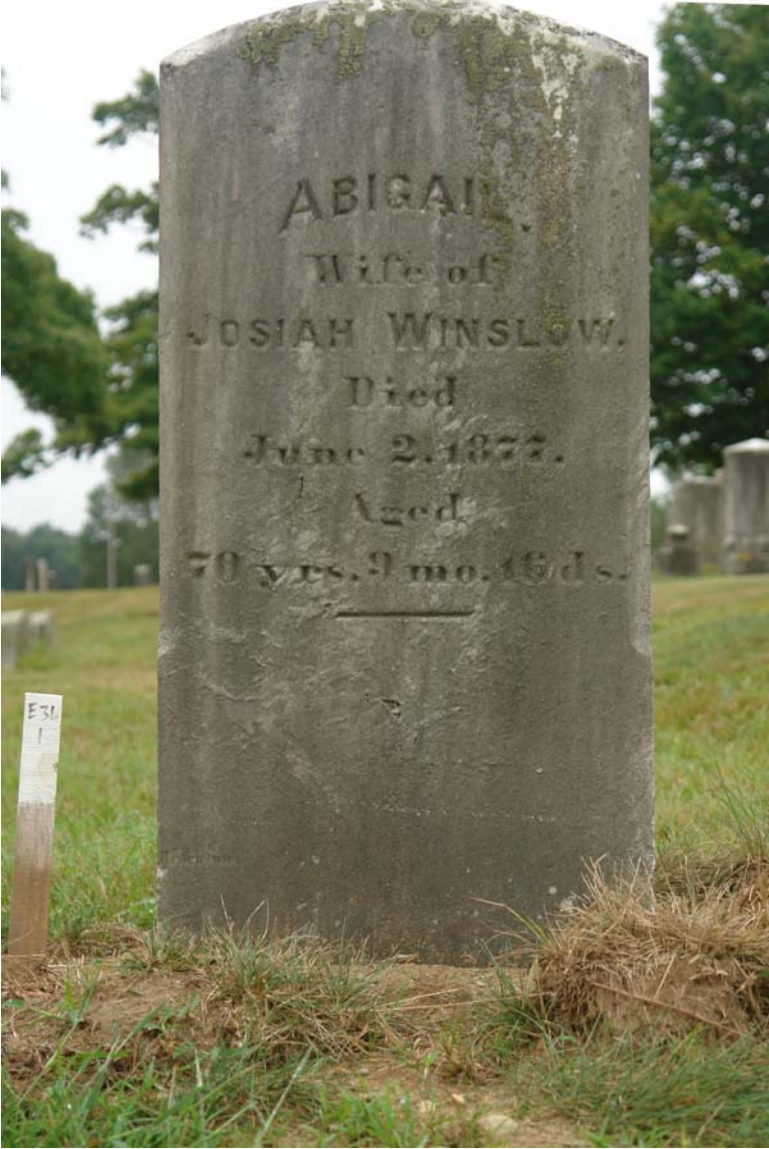


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Abigail Winslow**
Death Date: 6/2/1877 Marker Type: Headstone/slotted base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	8/5/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

George H. Green

Death Date: 11/14/1889

Marker Type: Sm. Mon/base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates 8/12/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **George Green**
Death Date: 8/12/1880 Marker Type: Double headstone/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on bas	Reset base level Reset elements e

TREATMENT	Treatment Dates 8/12/2015
<div>1. Elements removed from setting bases and inspected for sound- ness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re- graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if neces- sary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Sanford Hatch
Death Date:	4/24/1882	Marker Type: Headstone/base
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Fallen		Evaluate resetting options Possible new below grade concrete base
TREATMENT		
Treatment Dates		8/13-14/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Alice Hatch**
Death Date: 3/18/1878 Marker Type: Headstone/slotted base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water. 2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. 3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured 4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder 5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel 6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 7. Marker set plumb and level, and braced for minimum of 5 days. 8. Disturbed areas backfilled with existing topsoil.	8/26-31/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Ruth Stetson**

Death Date: 4/30/1882 Marker Type: Headstone/slotted base

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 8/13-14/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.</div> <div>3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder</div> <div>5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>7. Marker set plumb and level, and braced for minimum of 5 days.</div> <div>8. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Bathshua Thompson
Death Date: 2/20/1892	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/5/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Lyman Thompson				
Death Date: 3/2/1890	Marker Type: Headstone/base				
Cond. of Inscription: Legible	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot				
<table><tr><td>TREATMENT</td><td>Treatment Dates 7/23-8/5/2015</td></tr><tr><td colspan="2"><div>1. Area excavated to an appropriate depth removing any roots or large stones Base removed from ground. .</div><div>2. Base surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker</div><div>3. Base fragments attached with structural adhesive, clamped and braced until cured. Epoxy removed with hand chisels within 24 hours.</div><div>4. Base aligned with adjacent markers and re-set level. Area around base was backfilled with tamped gravel and re-graded with existing top-soil</div><div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div><div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div><div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div><div>8. Marker braced for a minimum 3 days</div></td></tr></table>		TREATMENT	Treatment Dates 7/23-8/5/2015	<div>1. Area excavated to an appropriate depth removing any roots or large stones Base removed from ground. .</div> <div>2. Base surfaces cleaned with water and any failed adhesives or mortar removed with hand tools from setting area and bottom of marker</div> <div>3. Base fragments attached with structural adhesive, clamped and braced until cured. Epoxy removed with hand chisels within 24 hours.</div> <div>4. Base aligned with adjacent markers and re-set level. Area around base was backfilled with tamped gravel and re-graded with existing top-soil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Marker braced for a minimum 3 days</div>	
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Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	George Starling
Death Date: 12/24/1791	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/12/2015	
Note: This fractured marker was restored by MCC in 2012	
<div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div> <div>2. Soling removed by light brushing with nylon brushes and water.</div> <div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div> <div>4. Area backfilled around marker with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil and sod.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	George Lovewell
Death Date: 4/2/1888	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/5/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **J. W. Chamberlain**
Death Date: n.a. Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/23/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sophia Chamberlain**
Death Date: 10/23/1881 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/4/2015
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **John Studley**
Death Date: 6/28/1867 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
	7/30-31/2015
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Silas Bates**

Death Date: 12/13/1879 Marker Type: Headstone/base

Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen Fractured	Reset base level Reset marker into setting slot. Attach fragments with structural adhesive

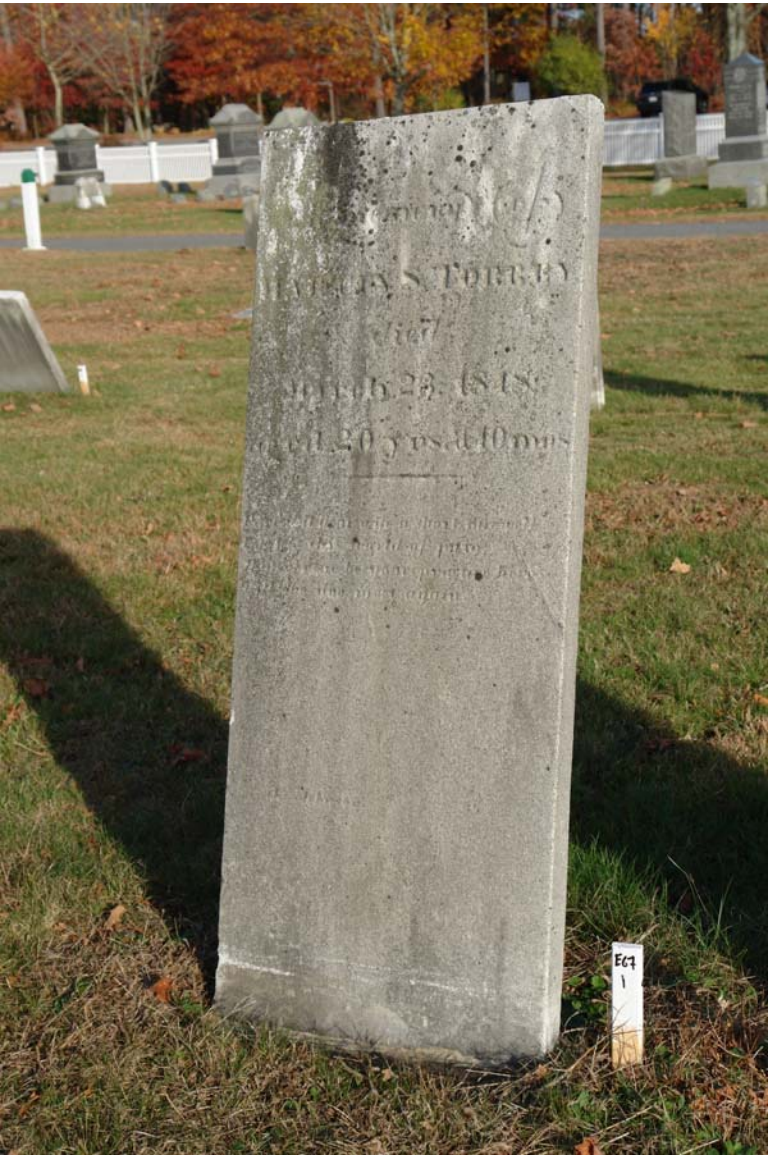
TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height. 2. Setting slot cleaned of debris or failed mortar and bottom fragment reset plumb and level into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. Excess grout removed and joint area cleaned. 3. Marker braced for a minimum 3 days 4. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools 5. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours. 6. Cracks and losses filled with RepliCal Marble products, filled areas misted with water and covered for 3 days minimum 7. Filled areas treated with light acid wash and rinsed thoroughly.	8/4-12/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Martin Torrey
Death Date: 3/23/1848	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/4/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	
Carrie Torrey	
Death Date:	10/20/1865
Marker Type:	Headstone/base
Cond. of Inscription:	Legible
Material:	Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/4/2015	
1. Elements removed from setting bases and inspected for soundness.	
2. Area excavated to an appropriate depth removing any roots or large stones.	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
5. Failed mortar removed from setting area and bottom of marker	
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins	
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.	
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.	
9. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Temperance Bates
Death Date: 7/8/1885	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/3/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Eunice Tubbs**
Death Date: 2/22/1879 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates 8/3/2015
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lucy Tubbs**
Death Date: 3/22/1866 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
8/4/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Diana Perry**

Death Date: 3/2/1881 Marker Type: Headstone/pinned base

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates 8/4/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div> <div>9. Remove excess mortar from joints.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Francis Josselyn**
Death Date: 9/7/1852 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/4/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Ira and Sarah Josselyn**
Death Date: 1900 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/3-4/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Gad and Thankful Bailey**
Death Date: 12/13/1862 Marker Type: Headstone/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/3-4/2015
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Rebecca Jones**
Death Date: 5/13/1853 Marker Type: Headstone/base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured	Reset plumb Attach fragments with structural adhesive

TREATMENT	Treatment Dates 7/31-8/31/2015
<p>1. Failed mortar found to be firmly attached to fragments and areas of fracture sugaring. Because of the condition of the marble, losses and amount of old mortar it was determined to leave the mortar and attach the fragments.</p> <p>2. Fractured elements were dry fitted to ascertain final soundness and to check for large losses at mating areas.</p> <p>3. Lower fragment in base reset level</p> <p>4. Partial removal of cement from surface of marker</p> <p>5. Dry fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed by hand chisels</p> <p>6. Cracks and voids filled with Jahn cementitious mortar.</p> <p>7. Cement on surface pigmented with Keim silicate paint</p> <p>8. Filled areas misted with water and covered for 3 days minimum</p>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Jane Briggs
Death Date: 9/26/1882	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/3/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Edmund Sylvester**
Death Date: 6/16/1757 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	7/23-30/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sarah Curtis**
Death Date: 3/15/1854 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
8/3/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Lucy Church
Death Date:	7/4/1812	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Fallen		Reset to new below grade base.
TREATMENT		
		Treatment Dates 9/1-2/2015
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.		
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.		
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured		
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder		
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel		
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.		
7. Marker set plumb and level, and braced for minimum of 5 days.		
8. Disturbed areas backfilled with existing topsoil.		

Comments:



Inspection Date: **9/1/2015**

Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: Marker Type: Headstone

Cond. of Inscription: Illegible	Material: Marble
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EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen

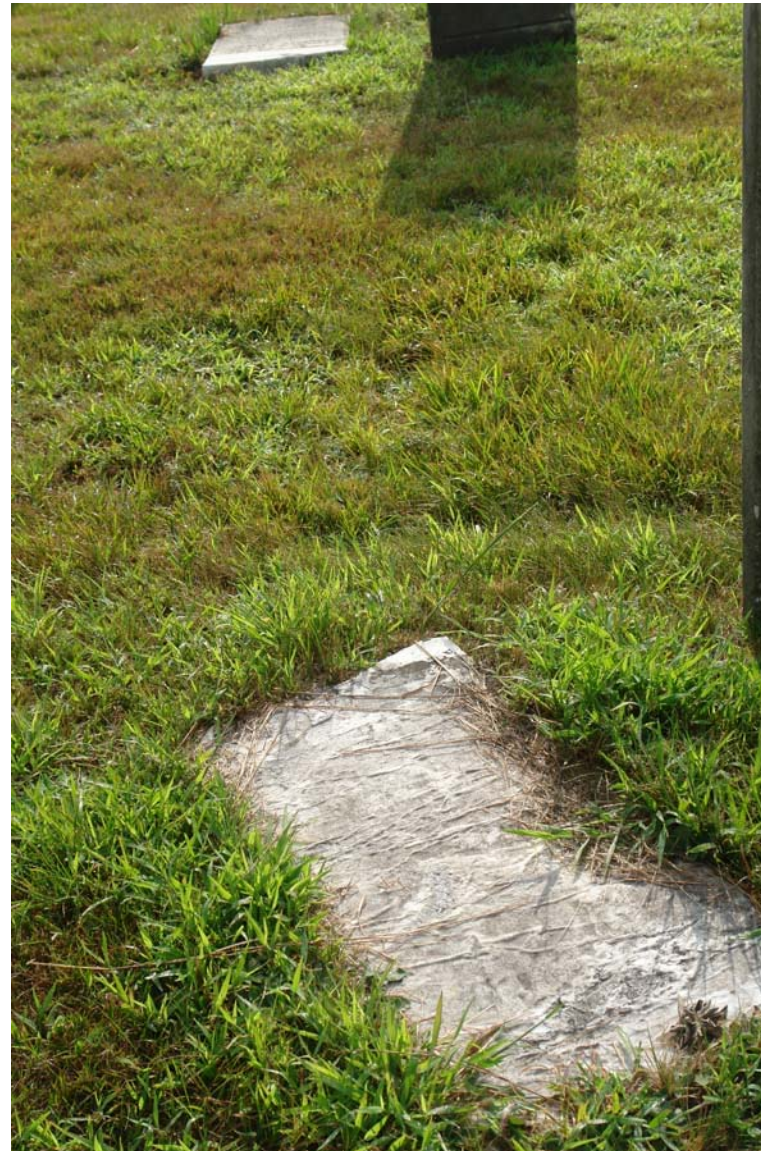
Reset to existing base

TREATMENT

Treatment Dates 9/1-2/2015

1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.
2. Base inspected and found to be sound and re-useable
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.
6. When required, the lower setting edge was re-squared by power grinder with minimal loss.
7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.
8. Excess grout removed and joint area cleaned.
9. Marker braced for a minimum 3 days

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

Marker# **EX75.3**

Inspection Date: **9/1/2015**

Inspected By: IS & MJ

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PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: Marker Type: Headstone

Cond. of Inscription:	Legible	Material:	Marble
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EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen tilted

Reset vertical base plumb
Reset sm marker

TREATMENT

Treatment Dates 9/2/2015

1. Area excavated to an appropriate depth removing any roots or large stones.
2. Base is aligned with adjacent markers and re-set level.
3. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
4. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
5. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area cleaned.

Comments:



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Marker# **EX 75.4**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Benjamin Hatch**
Death Date: 12/19/1853 Marker Type: Headstone/conc.base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
7/30-31/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Ann Hatch	
Death Date: 1927	Marker Type: Headstone
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/23/2015	
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Soling removed by light brushing with nylon brushes and water.</p> <p>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</p> <p>4. Area backfilled around marker with tamped sand and gravel</p> <p>5. Disturbed areas re-graded with existing topsoil and sod.</p>	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

John Stetson

Death Date: 11/9/1882

Marker Type: Headstone/pinned base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

**Tilted
Marker loose on base**

Check base for level
Reset marker plumb

TREATMENT

Treatment Dates 8/4/2015

1. Elements removed from setting bases and inspected for soundness.
2. Area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area 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

Height 27 Width 20.5 Thickness 6 Marker# **E.77**

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Abbie Gurney**
Death Date: 9/23/1870 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/30-31/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Sarah Studley**
Death Date: 7/9/1869 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height. 2. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools 3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours. 4. Setting surfaces cleaned of debris or failed mortar and base and market fragment reset plumb and level with a cement/lime grout (3/2/9) with 000 sand. Excess grout removed and joint area cleaned. 5. Marker braced for a minimum 3 days 6. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar. products, filled areas misted with water and covered for 3 days minimum..	7/30-9/1/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Hiram Studley
Death Date: 9/22/1849	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 7/30/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Preston Whiting
Death Date: 1919	Marker Type: Marker, slanted
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 7/23/2015	
1. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.	
2. Base is aligned with adjacent markers and re-set level.	
3. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	
4. Failed mortar removed from setting area and bottom of marker	
5. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins	
6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.	
7. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.	
8. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Hannah Baldwin

Death Date: 11/2/1789

Marker Type: Headstone

Cond. of Inscription: Decipherable

Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Voids caused by delaminating	Cap voids caused by delaminations.

TREATMENT

Treatment Dates 8/6-19/2015

1. Delaminated areas treated with D/2 Biological Solution and brushed into stone with nylon brushes and rinsed fully with water

2. Interior voids flushed with water and any lichens and/or debris removed with hand tools.

3. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.

4. Excess crack filler immediately removed with repeated damp sponging.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Benjamin Church**
Death Date: 12/22/1889 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/31/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Deacon Samuel Church**
Death Date: 5/7/1883 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen off base	Level base if required Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	7/23-30/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Asenath House**
Death Date: 2/23/1863 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Marker loose in slot	Reset base level Reset marker into setting slot. Attach fragments with structural adhesive

TREATMENT	Treatment Dates
1. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height. 2. Setting slot cleaned of debris or failed mortar and bottom fragment reset plumb and level into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. Excess grout removed and joint area cleaned. 3. Marker braced for a minimum 3 days 4. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools 5. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours. 6. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar. products, filled areas misted with water and covered for 3 days minimum..	8/4-5/2015

Comments: Recently fractured



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Benjamin Bass**
Death Date: 5/24/1856 Marker Type: Headstone/slot base
Cond. of Inscription: Legible Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset

TREATMENT	Treatment Dates
1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones. 2. Base inspected and found to be sound and re-useable 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments. 6. When required, the lower setting edge was re-squared by power grinder with minimal loss. 7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. 8. Excess grout removed and joint area cleaned. 9. Marker braced for a minimum 3 days	7/30/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Benjamin Bass
Death Date:	Marker Type:Footstone
Cond. of InscriptionLegible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset plumb

TREATMENT	Treatment Dates 7/23/2015
<div>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</div> <div>2. Soling removed by light brushing with nylon brushes and water.</div> <div>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</div> <div>4. Area backfilled around marker with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil and sod.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	
Elisha Bass	
Death Date: 1/14/1867	Marker Type: Headstone/conc
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 7/31/2015	
1. Marker carefully excavated old failed concrete collar removed with hand tools.	
2. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers	
3. Area backfilled around marker with tamped sand and gravel	
4. Disturbed areas re-graded with existing topsoil and sod.	
5. Surfaces treated with D/2, scrubbed with nylon brushes and rinsed with water	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	
Mary Bass	
Death Date: 5/1/1862	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Slate
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilting Delaminating	Reset plumb Fill voids caused by delaminations
TREATMENT	
Treatment Dates 8/6-19/2015	
1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.	
2. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level, aligned w/ adjacent markers	
3. Area backfilled around marker with tamped sand and gravel and re-graded with existing topsoil and sod.	
4. Delaminated areas and surface treated with D/2 Biological Solution, brushed into stone with nylon brushes and rinsed fully with water	
5. Interior voids flushed with water and any lichens and/or debris removed with hand tools.	
6. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along sides of monument typically left open to allow escape of any water which may enter.	
7. Excess crack filler immediately removed with repeated damp sponging.	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Abner Magoun**

Death Date: 11/19/1868 Marker Type: Large slanted mon.

Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1.Area around above ground base excavated to depth of base. 2. Loose stone foundation inspected and found to be stable. 3. Monument raised on one side with hydraulic jacks and loose stone rubble removed from setting area 4. Monument lowered onto setting area, and raising operation repeated on opposite side as needed. 5. Monument leveled onto setting area, shimmed tightly with flat stones on all sides 6. Area re-graded with existing topsoil	8/4/2015

Comments:



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Height 28 Width 29 Thickness 15 Marker# **E.88**

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

M.S. (Michael Stetson)

Death Date:Marker Type:Footstone

Cond. of InscriptionLegibleMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates7/23/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	D.J. (Dryden Judd)
Death Date:	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates
7/23/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Eliza Josselyn
Death Date: 2/24/1854	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose in slot	Reset base level Reset marker plumb into setting slot
TREATMENT	
Treatment Dates 8/3/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Seth Rose	
Death Date:	Marker Type: Small marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates 8/12-13/2015
<div>1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.</div> <div>2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.</div> <div>3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.</div> <div>4. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.</div> <div>5. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.</div> <div>6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>7. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.</div> <div>8. Excess mortar removed from joints and braced for a min 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Lucy D. (Lucy Rose)**
Death Date: Marker Type: Small marker/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates
1. Marker carefully excavated. The soil around tilted markers 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.	8/3/2015

Comments: Not prudent to remove old repair



Hanover Center Cemetery, Hanover MA					
NAME ON MARKER	Eliza (Eliza Rose)				
Death Date:	Marker Type: Sm marker/base				
Cond. of Inscription: Legible	Material: Marble				
EXISTING CONDITIONS	CONSERVATION STRATEGY				
Tilted base	Reset base with marker plumb				
<table><tr><td>TREATMENT</td><td>Treatment Dates 8/12-13/2015</td></tr><tr><td colspan="2"><div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div><div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,</div><div>3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured</div><div>4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div><div>5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..</div><div>6. Marker set plumb and level, and braced for minimum of 3 days.</div><div>7. Disturbed areas backfilled with existing topsoil.</div></td></tr></table>		TREATMENT	Treatment Dates 8/12-13/2015	<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,</div> <div>3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..</div> <div>6. Marker set plumb and level, and braced for minimum of 3 days.</div> <div>7. Disturbed areas backfilled with existing topsoil.</div>	
TREATMENT	Treatment Dates 8/12-13/2015				
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,</div> <div>3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..</div> <div>6. Marker set plumb and level, and braced for minimum of 3 days.</div> <div>7. Disturbed areas backfilled with existing topsoil.</div>					

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Charles (Charles Rose)**
Death Date: Marker Type: Sm marker/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/3-4/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Charles Edwin (Rose)
Death Date:	Marker Type: Sm marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/3/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Annie (Chamberlin)
Death Date:	Marker Type: Sm marker/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates 8/3/2015
<div>1. Elements disassembled and previous repair materials and failed mortar removed from setting surfaces with hand tools.</div> <div>2. In-ground base reset level. Replace setting pins with threaded stainless pins if required.</div> <div>3. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar, misted with water and covered for 3 days min.</div> <div>4. Filled surface areas treated w/ light acid wash, rinsed thoroughly with water.</div> <div>5. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>6. Elements reset with 2:1:9 cementitious high cal lime mortar using fine (00 or 000) sand.</div> <div>7. Excess mortar removed from joints and braced for a min 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Ann Rose**

Death Date: 3/1897 Marker Type: Marker, slanted

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Overgrowth removed by DPW 2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned. 10. All surfaces treated with D/2 Biological Solution, scrubbed with nylon brushes and water. Rinsed fully with water	8/3/2015

Comments: **Shrubs to be removed**



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Edwin Rose
Death Date:	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level
TREATMENT	
Treatment Dates 9/1/2015	
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Elizabeth Sylvester
Death Date: 7/16/1840	Marker Type: Headstone
Cond. of Inscription: Legible/missing	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, fractured	Reset into base Structural adhesion
TREATMENT	
Treatment Dates 9/1-2/2015	
<div>1. Existing base fractured. An appropriate sandstone base from the site was re-used.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER **Joel Sylvester**

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

Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level

TREATMENT	Treatment Dates
9/1/2015	
1. Overgrowth removed by DPW 2. Marker and base found to be in sound condition with marker securely attached to base. 3. Area excavated to an appropriate depth removing any roots or large stones. 4. Base is aligned with adjacent markers and re-set level. 5. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Eliza Salmond

Death Date:Marker Type: Marker

Cond. of Inscription:Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT

Treatment Dates8/3/2015

1.Area around above ground base excavated to depth of base.

2. Loose stone foundation inspected and found to be stable.

3. Monument raised on one side with hydraulic jacks and loose stone rubble removed from setting area

4. Monument lowered onto setting area, and raising operation repeated on opposite side as needed.

5. Monument leveled onto setting area, shimmed tightly with flat stones on all sides

6. Area re-graded with existing topsoil

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

Height 34 Width 15 Thickness 11 Marker# E.95.1

Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Nathaniel Crooker
Death Date:	1/20/1847	Marker Type: Headstone/base
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted base		Reset base with marker plumb
TREATMENT		
Treatment Dates		7/31/2015
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>		

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Perez Perry**
Death Date: 3/5/1855 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/4/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Perez E. Perry**
Death Date: 1905 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
	8.4/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Abigail Little
Death Date: 6/5/1850	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 8/12-13/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:

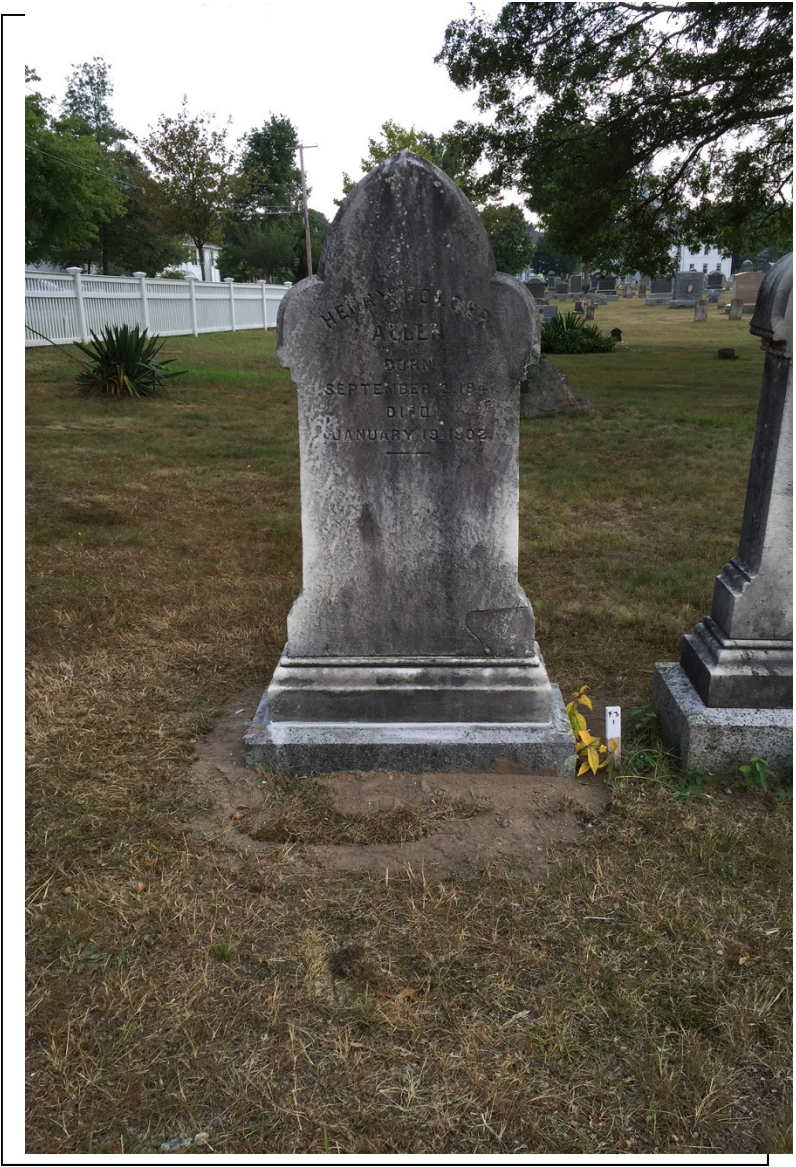


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Henry Allen**
Death Date: 1/19/1902 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	9/1/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Father (Horace Robbins)**
Death Date: Marker Type: Small marker
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
8/13/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	John Dame
Death Date: 12/4/1891	Marker Type: Monument
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/25/2015	
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Height 38 Width 12 Thickness 12 Marker# F.14

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Capt John Tribou
Death Date: 10/15/1848	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose in base	Evaluate resetting options Possible new below grade concrete base
TREATMENT	
Treatment Dates 8/17/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Height 34 Width 21.5 Thickness 2 Marker# F.15

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mother (Eunice Leavitt)**
Death Date: Marker Type: Sm marker/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. . Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/17/2015

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Elwin (James Thayer)**
Death Date: Marker Type: Sm marker/base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	8/13/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Benjamin Stetson
Death Date: 6/6/1866	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/13/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Height 33 Width 18 Thickness 3 Marker# **F.21.1**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Lucy Stetson
Death Date: 10/3/1875	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted, loose in base	Evaluate resetting options Possible new below grade concrete base
TREATMENT	
Treatment Dates 8/13-14/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		William Curtis
Death Date:	1884	Marker Type: Die
Cond. of Inscription:	Legible	Material: Granite
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted base		Reset base with marker plumb
TREATMENT		
Treatment Dates		9/1/2015
1. Die is secure onto base		
2. Soil removed around base unit and base raised up with hydraulic jacks to level.		
3. Existing foundation stones exposed and built up to support base unit.		
4. Base re-set plumb at appropriate height and level		
5. Area beneath and around base backfilled with tamped sand and gravel		
6. Disturbed areas re-graded with existing topsoil.		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Robert Studley
Death Date: 5/1/1885	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/13-14/2015	
1. Marker and base found to be in sound condition with marker securely attached to base.	
2. Area excavated to an appropriate depth removing any roots or large stones.	
3. Base is aligned with adjacent markers and re-set level.	
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Josiah Bonney	
Death Date: 5/8/1872	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base
TREATMENT	
Treatment Dates 8/27/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Josiah Bonney
Death Date:	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates	8/26/2015
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Soling removed by light brushing with nylon brushes and water.</p> <p>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</p> <p>4. Area backfilled around marker with tamped sand and gravel</p> <p>5. Disturbed areas re-graded with existing topsoil and sod.</p>		

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Marcy Bonney
Death Date:	Marker Type: Footstone
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Loose	Evaluate resetting options Possible new below grade concrete base

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

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Alvin Howland

Death Date: 9/26/1864

Marker Type: Headstone/base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT

Treatment Dates 8/14/2015

1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.

2. Base inspected and found to be sound and re-useable

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.

6. When required, the lower setting edge was re-squared by power grinder with minimal loss.

7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.

8. Excess grout removed and joint area cleaned.

9. Marker braced for a minimum 3 days

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Corp. Charles Howland
Death Date:	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 8/14/2015
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Soling removed by light brushing with nylon brushes and water.</p> <p>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</p> <p>4. Area backfilled around marker with tamped sand and gravel</p> <p>5. Disturbed areas re-graded with existing topsoil and sod.</p>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

B.F. (Finney)

Death Date:Marker Type: Footstone

Cond. of Inscription: LegibleMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates8/14/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments: **No headstone**



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Mother (Elisabeth Anderson)**
Death Date: 1904 Marker Type: Marker
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/25-26/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Joseph Brooks
Death Date: 9/13/1865	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb
TREATMENT	
Treatment Dates 8/17/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: IS & MJ

MONUMENT CONSERVATION COLLABORATIVE LLC
PO Box 541, Norfolk, CT 06058 860 307 6695 MCCLLC@gmail.com

Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Lyman Ramsdell

Death Date: 4/4/1871

Marker Type: Headstone/pinned base

Cond. of Inscription:

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Fractures

Loose on base

Attach fragments with structural adhesive
Reset elements

TREATMENT

Treatment Dates 8/31-9/2/2015

1. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height.
2. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools
3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.
4. Setting surfaces cleaned of debris or failed mortar and base and market fragment reset plumb and level with a cement/lime grout (3/2/9) with 000 sand. Excess grout removed and joint area cleaned.
5. Marker braced for a minimum 3 days
6. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar. products, filled areas misted with water and covered for 3 days minimum..

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

Height 40 Width 18 Thickness 4 Marker# **F.33.2**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	H. Perry
Death Date:	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level

TREATMENT	Treatment Dates 9/1/2015
<p>1. Marker carefully excavated. The soil around tilted markers was removed to an appropriate depth. When required, the marker was removed from the ground. Marker appears to be sound.</p> <p>2. Soling removed by light brushing with nylon brushes and water.</p> <p>3. Setting area excavated to sufficient depth and stone re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers</p> <p>4. Area backfilled around marker with tamped sand and gravel</p> <p>5. Disturbed areas re-graded with existing topsoil and sod.</p>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKERWilliam Stewart

Death Date:Marker Type: Headstone

Cond. of Inscription: LegibleMaterial: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level

TREATMENT

Treatment Dates9o/9/2015

1. Die is secure onto base

2. Soil removed around base unit and base raised up with hydraulic jacks to level.

3. Existing foundation stones exposed and built up to support base unit.

4. Base re-set plumb at appropriate height and level

5. Area beneath and around base backfilled with tamped sand and gravel

6. Disturbed areas re-graded with existing topsoil.

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Father

Death Date:

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level

TREATMENT

Treatment Dates 8/20/2015

1. Marker and base found to be in sound condition with marker securely attached to base.

2. Area excavated to an appropriate depth removing any roots or large stones.

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Mary Cooper

Death Date:

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset level

TREATMENT

Treatment Dates 9/1/2015

1. Marker and base found to be in sound condition with marker securely attached to base.

2. Area excavated to an appropriate depth removing any roots or large stones.

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date: 4/6/1850

Cond. of Inscription: Legible

Marker Type: Headstone

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates 8/17/2015

1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.

2. Base inspected and found to be sound and re-useable

3. Base is aligned with adjacent markers and re-set level.

4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil

5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.

6. When required, the lower setting edge was re-squared by power grinder with minimal loss.

7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.

8. Excess grout removed and joint area cleaned.

9. Marker braced for a minimum 3 days

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Husband (Charles Perry)**
Death Date: Marker Type: Marker, slanted
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
8/17/2015	
1. Marker carefully excavated. The soil around tilted markers 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.	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **O.W.H and J. W. H (House)**
Death Date: Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/24-25/2015

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date:

Cond. of Inscription: Legible

Marker Type: Small marker

Material: Granite

EXISTING CONDITIONS

Tilted base

CONSERVATION STRATEGY

Reset base with marker plumb

TREATMENT

Treatment Dates

8/24/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Francis Ellis**
Death Date: 11/2/1843 Marker Type: Headstone/conc.base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
	8/24/2015
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

B. Everett (Hall)

Death Date:

Marker Type: Small marker

Cond. of Inscription: Legible

Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT

Treatment Dates8/25/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Harrison Stetson**
Death Date: 6/4/1892 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
8/25/2015	
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Henry Bates	
Death Date: 8/30/1908	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Loose on base	Reset base level Reset elements

TREATMENT	Treatment Dates 8/17/2015
<div>1. Soil removed around base unit and base jacked up to level.</div> <div>2. Existing foundation stones exposed and built up to support base unit.</div> <div>3. Base re-set plumb at appropriate height and level, aligned with adjacent markers</div> <div>4. Area beneath and around base backfilled with tamped sand and gravel</div> <div>5. Disturbed areas re-graded with existing topsoil.</div> <div>6. Failed setting mortars removed from setting bed with hand chisels as necessary</div> <div>7. Setting pins examined, if sound they were re-used, if rusted or failed and required, replaced with stainless steel threaded studs.</div> <div>8. Setting bed area primed with Acryl 60 diluted 1:3 with water.</div> <div>9. Marker lifted with mechanical assistance and reset with cement/lime mortar (3/2/9) with 000 sand.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Angie Bates**
Death Date: 3/10/1885 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates 8/24-25/2015
<div>1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Andrew Gardner
Death Date: 1/10/1878	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/18/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Benjamin Pratt	
Death Date: 6/16/1875	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates 8/24-9/1/2015
<div>1. Overgrowth removed by DPW</div> <div>2. Area excavated to an appropriate depth. Base is aligned with adj. markers and reset level at appropriate height.</div> <div>3. All mating edges of fragments cleaned with water and any failed adhesives removed with hand tools</div> <div>4. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand chisels within 24 hours.</div> <div>5. Setting surfaces cleaned of debris or failed mortar and base and market fragment reset plumb and level with a cement/lime grout (3/2/9) with 000 sand. Excess grout removed and joint area cleaned.</div> <div>6. Marker braced for a minimum 3 days</div> <div>7. Cracks and losses filled with RepliCal Marble or Jahn restoration mortar. products, filled areas misted with water and covered for 3 days minimum..</div>	

Comments:



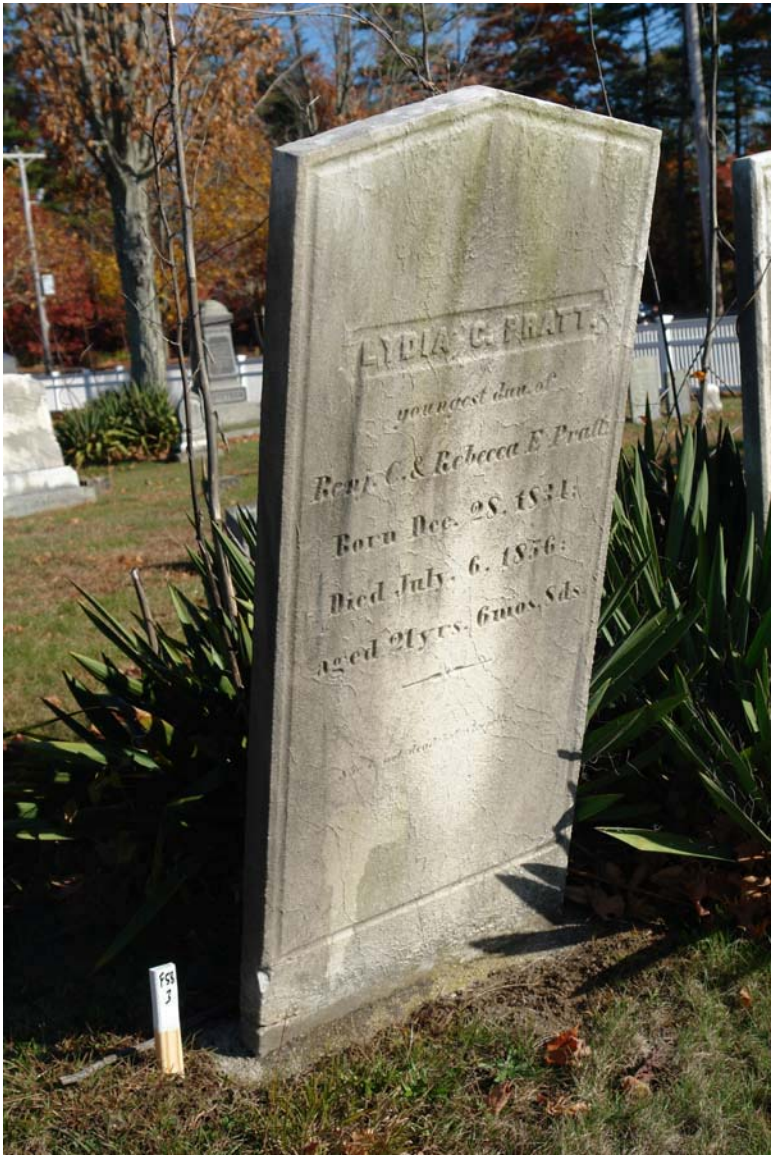
Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Rebecca Pratt
Death Date: 12/1/1844	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/24/2015	
1. Overgrowth removed by DPW	
2. Marker and base found to be in sound condition with marker securely attached to base.	
3. Area excavated to an appropriate depth removing any roots or large stones.	
4. Base is aligned with adjacent markers and re-set level.	
5. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	

Comments:



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Lydia Pratt
Death Date:	7/6/1856	Marker Type: Headstone/base
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted base		Reset base with marker plumb
TREATMENT		
Treatment Dates		8/24/2015
<div>1. Overgrowth removed by DPW</div> <div>2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>		

Comments: Shrubs to be removed



Height 48 Width 22 Thickness 2 Marker# F.58.3

Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Nathaniel and Elizabeth Cushing**
Death Date: 1864 Marker Type: Marker, slanted
Cond. of Inscription: Legible Material: Granite

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Soil removed around base unit and base raised up with hydraulic jacks to level. 2. Existing foundation stones exposed and built up to support base unit. 3. Base re-set plumb at appropriate height and level 4. Area beneath and around base backfilled with tamped sand and gravel 5. Disturbed areas re-graded with existing topsoil.	8/31/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Priscilla Eells
Death Date: 4/5/1910	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/17-19/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Eddie (Clark)
Death Date:	Marker Type: Sm marker
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/24-25/2015	
<div>1. Overgrowth removed by DPW</div> <div>2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments: **Shrubs to be removed**



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Waldo and Henry Clark**
Death Date: 10/13/1878 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractures Loose on base	Attach fragments with structural adhesive Reset elements

TREATMENT	Treatment Dates
1. Overgrowth removed by DPW 2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.	8/24/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER Henry Clark	
Death Date: 1/7/1885	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/26-31/2015
<div>1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.</div> <div>2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,</div> <div>3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured</div> <div>4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel</div> <div>5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..</div> <div>6. Marker set plumb and level, and braced for minimum of 3 days.</div> <div>7. Disturbed areas backfilled with existing topsoil.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **John Eells**
Death Date: 11/25/1883 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling. 9. Excess grout removed and joint area cleaned.	8/24/2015

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Luther Lapham**
Death Date: 5/5/1917 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	8/13/2015

Comments:



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Height 29 Width 22 Thickness 6 Marker# **F.64.2**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Father Mother (Thayer)
Death Date:	Marker Type: Large die
Cond. of Inscription: Legible	Material: Granite
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates 8/31/2015
<div>1. Die is secure onto base</div> <div>2. Soil removed around base unit and base raised up with hydraulic jacks to level.</div> <div>3. Existing foundation stones exposed and built up to support base unit.</div> <div>4. Base re-set plumb at appropriate height and level</div> <div>5. Area beneath and around base backfilled with tamped sand and gravel</div> <div>6. Disturbed areas re-graded with existing topsoil.</div>	

Comments:

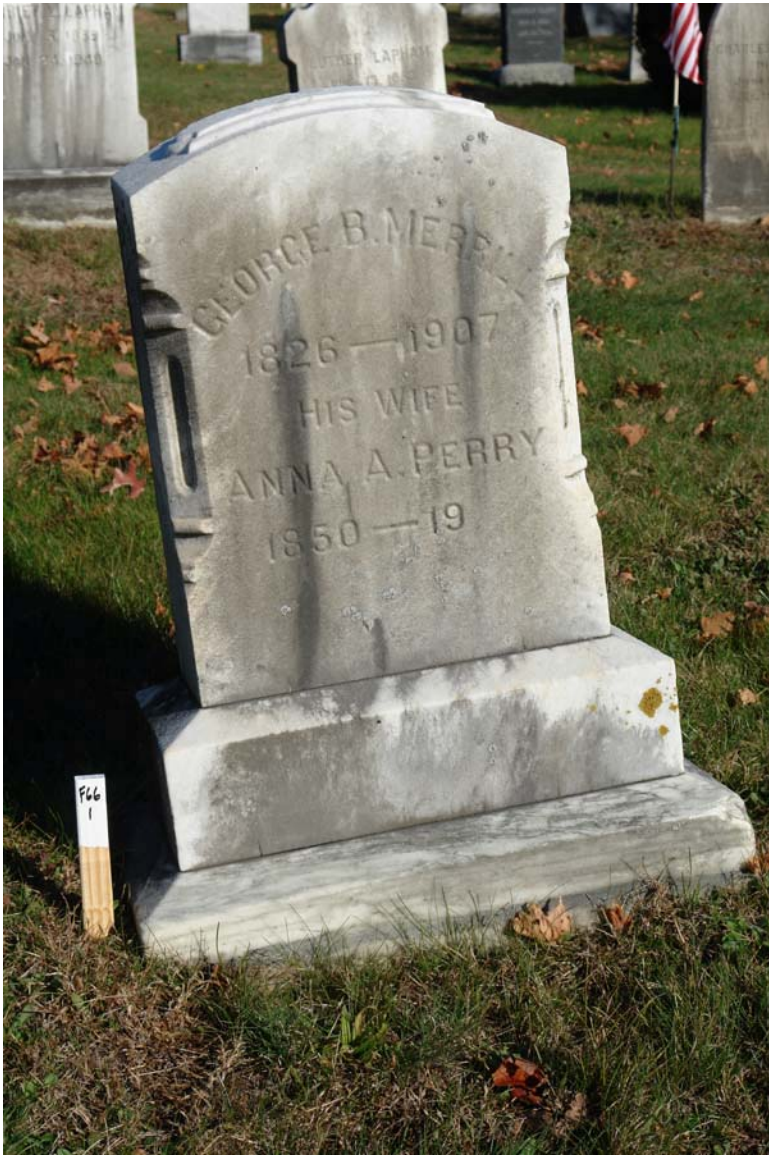


Hanover Center Cemetery, Hanover MA
NAME ON MARKER **George Merrill**
Death Date: 1907 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Marker and base found to be in sound condition with marker securely attached to base. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil	8/14/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Agnes Fraser
Death Date: 10/6/1863	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/13/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Agnes Fraser

Death Date:

Marker Type: Footstone

Cond. of Inscription: Decipherable

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates8/13/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Sylvanus Whiting
Death Date: 2/11/1859	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/13/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Mary Whiting
Death Date: 12/9/1846	Marker Type: Headstone
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset into new below grade concrete base
TREATMENT	
Treatment Dates 8/17-19/2015	
1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.	
2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone.	
3. Wooden forms and setting slot form stabilized and aligned with adjacent markers before concrete is poured	
4. When required, the lower edge of marker is re-squared with minimal loss using a power grinder	
5. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel	
6. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.	
7. Marker set plumb and level, and braced for minimum of 5 days.	
8. Disturbed areas backfilled with existing topsoil.	

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	R.M. Sturtevant
Death Date: 1/14/1919	Marker Type: Headstone
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT	Treatment Dates 8/24/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Caroline Church**
Death Date: 6/18/1883 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates 8/13-14/2015
<div>1. Elements removed from setting bases and inspected for sound- ness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re- graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if neces- sary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. When required, lead shims were used to facilitate leveling. 9. Excess grout removed and joint area cleaned.</div>	

Comments:



CONDITION ASSESSMENT

Inspection Date: **11/4/2014** Inspected By: **IS & MJ**

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Morris McLaughlin

Death Date:

Marker Type: Small marker/base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Tilted
Marker loose on base

Check base for level
Reset marker plumb

TREATMENT

Treatment Dates 8/13-14/2015

1. Overgrowth removed by DPW
2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area cleaned.

Comments: **Shrubs to be removed**



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Height 13 Width 7 Thickness 5 Marker# **F.72.2**

CONDITION ASSESSMENT Inspection Date: **11/4/2014** Inspected By: **IS & MJ**

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

George McLaughlin

Death Date: 9/5/1903

Marker Type: Headstone/pinned base

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Tilted
Marker loose on base

Check base for level
Reset marker plumb

TREATMENT

Treatment Dates 8/25/2015

1. Overgrowth removed by DPW
2. Elements removed from setting bases and area excavated to an appropriate depth removing any roots or large stones.
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins
7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.
9. Excess grout removed and joint area cleaned.

Comments: **Shrubs to be removed**



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Height 28 Width 16 Thickness 5 Marker# **F.72.3**

Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Keturah Studley
Death Date: 12/22/1880	Marker Type: Headstone/base
Cond. of Inscription: Legible	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base
TREATMENT	
Treatment Dates 8/13-14/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Robert Curtis**
Death Date: 4/1/1873 Marker Type: Headstone/slotted base
Cond. of Inscription: Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Evaluate resetting options Possible new below grade concrete base

TREATMENT	Treatment Dates
8/14/2015	
<div>1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

W.W. Halan

Death Date:

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb

TREATMENT

Treatment Dates8/20/2015

1. Marker carefully excavated. The soil around tilted markers 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.

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **Zenas Sturtevant**
Death Date: 3/15/1885 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/24/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Lester (Larkum)
Death Date:	Marker Type: Small marker
Cond. of Inscription: Legible	Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Marker loose on base	Check base for level Reset marker plumb

TREATMENT	Treatment Dates
	8/31-9/1/2015

1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.

2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,

3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured

4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel

5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..

6. Marker set plumb and level, and braced for minimum of 3 days.

7. Disturbed areas backfilled with existing topsoil.

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Annie Hardy
Death Date: 3/1/1883	Marker Type: Headstone/base
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb
TREATMENT	
Treatment Dates 8/24/2015	
<div>1. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>2. Base inspected and found to be sound and re-useable</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Debris removed from setting slot. When required, power grinders were used to facilitate removal of stone fragments.</div> <div>6. When required, the lower setting edge was re-squared by power grinder with minimal loss.</div> <div>7. Marker reset plumb and level into setting slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.</div> <div>8. Excess grout removed and joint area cleaned.</div> <div>9. Marker braced for a minimum 3 days</div>	

Comments:



Hanover Center Cemetery, Hanover MA
NAME ON MARKER **William Clark**
Death Date: 3/9/1903 Marker Type: Headstone/pinned base
Cond. of Inscription: Legible Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted base	Reset base with marker plumb

TREATMENT	Treatment Dates
1. Elements removed from setting bases and inspected for soundness. 2. Area excavated to an appropriate depth removing any roots or large stones. 3. Base is aligned with adjacent markers and re-set level. 4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil 5. Failed mortar removed from setting area and bottom of marker 6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins 7. Setting surfaces primed with Acryl 60 diluted 1:3 with water. 8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand. 9. Excess grout removed and joint area cleaned.	8/24/2015

Comments:



Hanover Center Cemetery, Hanover MA	
NAME ON MARKER	Francis Corbin
Death Date: 1906	Marker Type: Monument
Cond. of Inscription: Decipherable	Material: Marble
EXISTING CONDITIONS	CONSERVATION STRATEGY
Final fractured and fallen	Attach finial with structural adhesive
TREATMENT	
Treatment Dates 8/31-9/1/2015	
1. Soil removed around base unit and base raised up with hydraulic jacks to level.	
2. Existing foundation stones exposed and built up to support base unit.	
3. Base re-set plumb at appropriate height and level	
4. Area beneath and around base backfilled with tamped sand and gravel	
5. Disturbed areas re-graded with existing topsoil.	
6. Finial attached with structural adhesive	

Comments:



Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date:

Cond. of Inscription: Legible

Material: Marble

Marker Type: Small marker

EXISTING CONDITIONS

Loose on post

CONSERVATION STRATEGY

Inspect base unit
Reset marker to post

TREATMENT

Treatment Dates

8/25-26/2015

1. Marker excavated and found to be sound. Light soiling removed by brushing with nylon brushes and water.

2. Setting area excavated for new below grade cast concrete base sized minimum of 12 inches deep,

3. Wooden forms stabilized and aligned with adjacent markers before concrete is poured

4. Setting forms are removed after partial curing of the concrete and the base backfilled with tamped sand or gravel

5. Setting surfaces primed with acryl 60 diluted 1:3 and marker reset with a cement/lime grout (3/2/9) with 000 sand..

6. Marker set plumb and level, and braced for minimum of 3 days.

7. Disturbed areas backfilled with existing topsoil.

Comments:



CONDITION ASSESSMENT Inspection Date: 11/4/2014 Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date:

Cond. of Inscription: Legible

Marker Type: Large monument

Material: Granite

EXISTING CONDITIONS

CONSERVATION STRATEGY

Inspect monument

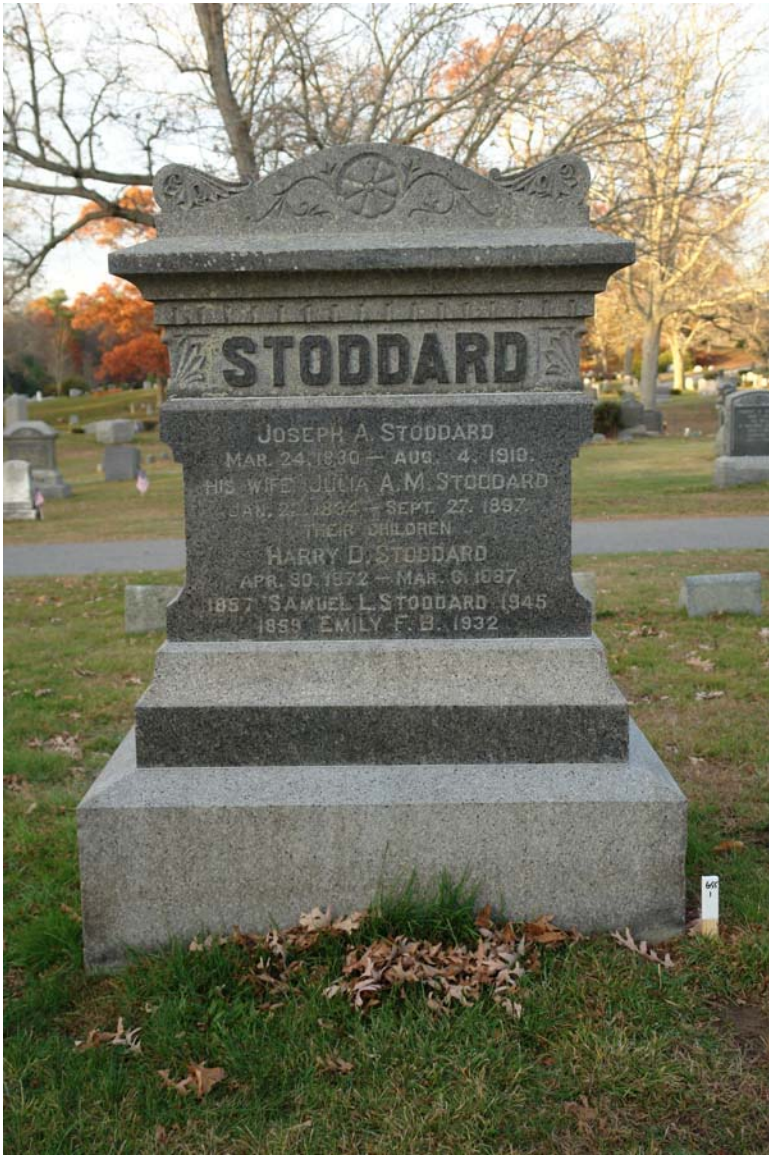
TREATMENT

Treatment Dates

8/14/2015

Inspect : No treatment required at this time

Comments:



Height 51 Width 42 Thickness 18 Marker# G.55

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Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		G.E. Smith
Death Date:	Marker Type: Headstone	
Cond. of Inscription: Legible	Material: Marble	
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted Fractured		Reset in ground fragment plumb Attach fragments with structural adhesive
TREATMENT		
		Treatment Dates 8/26-9/1/2015
1. Area excavated to an appropriate depth removing any roots or large stones aligning base and lower fragment with adjacent markers and re-set level.		
2. Mating edges cleaned with water and dried.		
3. Fragments attached with structural adhesive, clamped and braced until cured. Epoxy removed with hand chisels within 24 hours.		
4. Cracks and losses filled with RepliCal Marble products or Jahn restoration mortar.		
5. Filled areas misted with water and covered for 3 days minimum		
6. Filled surface areas treated with light acid wash and rinsed thoroughly		

Comments:



CONDITION ASSESSMENT Inspection Date: **9/1/2015**

Inspection Date: **9/1/2015**

Inspected By: IS & MJ

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Hanover Center Cemetery, Hanover MA

NAME ON MARKER

Death Date:

Marker Type: Headstone

Cond. of Inscription: Legible

Material: Marble

EXISTING CONDITIONS

CONSERVATION STRATEGY

Fallen

Reset plumb

TREATMENT

Treatment Dates 9/1/2015

1. Existing base located below grade while excavating for resetting. Area excavated to an appropriate depth removing any roots or large stones.
2. Base inspected and found to be sound and re-useable
3. Base is aligned with adjacent markers and re-set level.
4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil
5. Failed mortar removed from setting area and bottom of marker
6. Setting surfaces primed with Acryl 60 diluted 1:3 with water.
7. Marker reset plumb onto base with cement/lime mortar (3/2/9)
8. Excess grout removed and joint area cleaned.

Comments: **Alongside roadway**



Hanover Center Cemetery, Hanover MA		
NAME ON MARKER		Matilda Taylor
Death Date:	6/28/1893	Marker Type: Headstone
Cond. of Inscription:	Legible	Material: Marble
EXISTING CONDITIONS		CONSERVATION STRATEGY
Tilted, unstable		Reset plumb
TREATMENT		
Treatment Dates		9/9/2015
<div>1. Elements removed from setting bases and inspected for soundness.</div> <div>2. Area excavated to an appropriate depth removing any roots or large stones.</div> <div>3. Base is aligned with adjacent markers and re-set level.</div> <div>4. Area around base was backfilled with tamped gravel and re-graded with existing topsoil</div> <div>5. Failed mortar removed from setting area and bottom of marker</div> <div>6. When required, any existing pins were inspected, and if necessary, replaced with stainless steel threaded pins</div> <div>7. Setting surfaces primed with Acryl 60 diluted 1:3 with water.</div> <div>8. Marker reset plumb onto base with cement/lime mortar (3/2/9) with 000 sand.</div> <div>9. Excess grout removed and joint area cleaned.</div>		

Comments: **Located in area beyond section G**

