Markers and Tombs circled in red require conservation treatments.

Alpha and numeric cross reference identification. Decimal point after the cross reference indicates a specific marker within that grid. (e.g H7.3).
| C5.3 | Hollingworth William and Elianor 1.5 | Fracture |
| C7.2 | Willard Josiah 1.5 | Fragment Investigate |
| D4.1 | n.a. 1.5 | Fragment Investigate |
| D6.1 | Turner 1 Tomb | Secure top Consolidate |
| D6.3 | Beadle Thomas 1 | Reset off pathway |
| E2.1 | Brown John 1.5 | Tilt |
| E7.2 | Grafton Jehoadan 1.5 | Tilt Fracture |
| F1.1 | Fisk 1 Tomb | Secure top Consolidate |
| F2.2 | Derby 1 Tomb | Secure top Repoint (2) |
| F5.1 | Chatwel (?) Nicholas 1.5 | Fractured Metal |
| G4.1 | Gedney 1 Tomb | Stucco Failure Consolidate |
| G4.2 | Bartlett 1 Tomb | Stucco Failure |
| G7.1 | Lynde 1 Tomb | Top Failure Missing plaques |
| H1.1 | Millet Elizabeth 1.5 | Fractured |
| H7.2 | n.a. 1.5 | Fragment Investigate |
| H7.4 | Seldon Capt. Robert 1 | Fractured |
| I5.2 | Wainwright 1 Tomb | Secure top stucco failure |
| I5.3 | Higginson Mary 1.5 | Tilt |
| I6.1 | Bradstreet Simon 1 Tomb | Secure top stucco failure |
| J10.1 | n.a. 1.5 | Fractured Restorable? |
| J3.1 | Beckett 1.5 | Fractured New base |
| J8.1 | Barnard Samuel 1.5 | Tilt |
| J8.2 | Clover Susanah 1.5 | Fracture Metal |

The initial assessment identified 23 priority 1 and 1.5 markers to be conserved and are listed in the table to the left. Upon excavating markers C7.2 and J10.1 their condition was found to be un-restorable.

The following additional markers were added to this list and conserved.

| C5.1 | NF Nabby Frye | Tilted Fractured |
| D4.1A | W.E.B (adjacent to D4.1) | Tilted |
| G6.4 | Jayne Priscilla | Tilted |
| H7.3 | Hart Mary | Tilted |
| I5.4 | Smith Stephen | Tilted |
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”.

The goal of treatments and cleaning is not to return the monument to a “like new” appearance, but to remove particulate soil- ing, staining and biological growth that may interfere with successful restoration.

Documentation

Prior to starting any work, all gravestones, tombs and other monuments to be restored were digitally recorded. A condition assessment form was prepared in April of 2016 for each monument requiring conservation, describing existing conditions and recommended treatments.

Documentation was made of all conservation treatments performed, and a completed set of these documents is enclosed. Before images are included from the original condition assessment. All “after” digital images are recorded on the enclosed DVD and are identified with the markers ID number.
DESCRIPTION OF TREATMENTS
Resetting Tilted and Sunken Markers

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) is introduced to establish a stable base.

The stone is made plumb and level, and set in plane with the adjacent markers. Backfilling to be done with sand and gravel, wetted and compacted. Disturbed areas replaced with the existing topsoil and turf.

Since the existing conditions of these marker are typically not discovered until excavating, there can be a number of restoration variables.

Breaks at, or just below grade are very common. Most of these markers will require new bases, since the success of below and near grade repair with structural adhesives is limited.

Fabrication of a base may also be necessary to re-erect the upper fragment of earlier gravestones that now do not have adequate height for proper re-setting, i.e., for positioning to permit the viewing of inscription and decoration.

A new below-grade base is also fabricated when an original base cannot be located, or an existing base is damaged beyond repair.

E.2.1 John Brown
18th century markers often have as much below the ground as above. Only upon excavating this marker for resetting does the below grade portion becomes apparent.
DESCRIPTION OF TREATMENTS
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, ½ inch wider and ½ 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.

Concrete poured, with form for setting slot in place
Form for new below grade concrete
H.7.4 Capt Robert Seldon
Form removed, ready for resetting marker
DESCRIPTION OF TREATMENTS

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”).

Failed adhesives, mortars and pins are carefully removed before proceeding with new conservation treatments. Mechanical removal was done with hand tools and, when required, smaller power tools.

Clamping and bracing in a vertical position allows gravity to help position fragments.
DESCRIPTION OF TREATMENTS
Cracks and Losses

The color and texture of all composites used to fill cracks and losses was matched to that of adjacent unsoiled stone. If necessary, composites are surface colored to match the existing surrounding areas. With this procedure, at any future time the stone might be cleaned, and all areas, patched and original, would appear similar.

Fine cracks were filled with an integrally colored cement/lime-based formulation (RepliCal™ Crack Filler, a cementitious repair composite designed to match weathered surfaces). For marbles, Replical contains specially sized and graded marble aggregates. Larger areas of loss were filled with either Jahn™ M-70 Restoration Mortar. When appropriate, a pigmented, fluid, pourable pozzolanic hydraulic lime grout is used to fill large voids. (PHLc manufactured by VoidSpan)

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.

For small cracks in slates a pigmented flexible industrial “crack filler” by Sto was used (see Delaminations).

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.
DESCRIPTION OF TREATMENTS

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.
DESCRIPTION OF TREATMENTS
Table Tombs– Resetting

Loose table tops have been moved by inquisitive visitors, and they also can become a hazard. Tops which are set on solid bases where there is little or no likelihood of ever having to remove the top in the future, were secured in their proper orientation using a structural adhesive (Abatron 55-22).

F1.1  Fisk Tomb  This loose top can be secured to the solid granite base with a structural adhesive. There is little reason for it to ever be removed.

If it if likely that the tomb will be taken apart sometime in the future a pigmented pozzolanic hydraulic lime mortar (typically #600 PHLc70 by Voidspan) was used to set the ledger top.

F2.2  Derby Tomb  This loose top was secured to the granite block base with a soft mortar. If the granite blocks have to be reset in the future the top will be more easily detached.
DESCRIPTION OF TREATMENTS
Table Tombs– Failing stucco

There are a number of tombs exhibiting typical conditions of deteriorating stucco. All existing loose, failing or spalling stucco was to be removed and a bonding agent applied to all surfaces. Applications of stucco (1:1:6 with masonry sand) are applied and repeated when required.

The Charter Street Cemetery retains a historical atmosphere and general cleaning of the markers is not required. Initially whitewashing the stucco box tombs was considered, but this was ruled out as they would appear too “new” and unfortunately invite graffiti.
DESCRIPTION OF TREATMENTS
Table Tombs– Failing stone and brickwork

G7.1 Lynde Tomb
Failing stucco. Missing brickwork.
Note fallen granite stone on ground to left

Fallen granite stone reset and missing bricks replaced

Stucco mix applied to missing plaque area.

All mortar joints in the granite blocks were cleaned of loose material and re-pointed with a 1:1:6 mix with masonry sand,
DESCRIPTION OF TREATMENTS

Table Tombs– Fractured ledger top

G7.1 Lynde Tomb  (Before) Ledger top with multiple fractures and old repairs. Ledger fragments were firmly attached and set askew

Ledger fragments were detached from the base, leveled and securely attached with structural adhesive.

Open joints were filled with a flowable PHLc Voidspan grout.

When cured, joints were filled with a pigmented Jahn restoration mortar.

G7.1 Lynde Tomb  (After) Ledger top level and secure
DESCRIPTION OF TREATMENTS

Consolidation

Consolidation replaces the natural cementing materials that have been lost or damaged by weathering, improving cohesive properties. It is intended to retard the effects of aging phenomena, increasing the service life of historic materials.

Consolidation must be accomplished in depth to avoid the creation of a hardened "skin" that is likely to detach in a few years. The condition of each stone will determine whether consolidation treatment should be done; and its sequential relationship to other treatments to be undertaken.

Before consolidating all loose material is removed with brushes, small trowels and low air pressure. This material would not benefit from consolidation and would prevent the treatment from reaching the more sound areas of the stone. It would also inhibit the attachment of fills or patching materials.

Sandstones: The consolidation product used is a catalyzed ethyl silicate formulation (Conservare OH100, by ProSoCo, Inc.), following all manufacturer’s instructions and safety precautions. Because of the thin delaminations, most sandstone markers do not require the recommended 3 full “cycles”; one full cycle is usually sufficient.

Marbles: Marbles requiring consolidation should first be treated with HCT, a hydroxilating conversion treatment (Prosoco Inc) which protects and strengthens weathered surfaces. Three saturating applications were applied where required. If necessary, marbles can be additionally consolidated with one cycle of OH100.

Application of OH100
STONE CONSERVATION TREATMENTS
Charter Street Cemetery, Salem MA

October, 2016

Page 15

PRODUCTS/SUPPLIERS

D/2 Biological Solution
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
www.stocorp.com/

PRODUCTS/SUPPLIERS

VoidSpan PHLc
VoidSpan Technology
34 Boardman St
Salem MA 01970
www.voidspan.com/grout/

OH100
HCT
Prosoco Inc
3741 Greenway Circle
Lawrence Kansas, 66046
www.prosoco.com
**CONDITION ASSESSMENT**

**Cemetery:** Charter Street Cemetery  
**Name on Marker:** n.a.  
**Death Date:** n.a.  
**Marker Type:** Footstone  
**Material:** Slate  
**Condition of Inscription:** Legible

**EXISTING CONDITIONS**  
Fragment, Tilted  
Delaminating

**CONSERVATION STRATEGY**  
Investigate condition and determine if feasible to restore or reset.  
Reset plumb, poss. new base  
Fill voids caused by delaminations

**CONSERVATION PRIORITY**  
1

**TREATMENT**  
**Date(s) of treatment:** 6/7/2016

1. Area around lower fragment carefully excavated and inspected for soundness. Area probed and buried or overgrown fragments carefully excavated and inspected for soundness.  
2. Lower fragment re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers. Area backfilled around marker with tamped existing sand and gravel.  
3. All mating edges of fragments cleaned with water and failed adhesives removed with hand tools.  
4. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.

**Comments:**

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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: William & Elianor Hollingworth
Death Date: 11/7/1688
Marker Type: Headstone
Condition of Inscription: Legible
Material: Slate

EXISTING CONDITIONS
- Fractured
- Tilted

CONSERVATION STRATEGY
- Attach fragments with structural adhesive
- Reset plumb
- Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action
2) Unstable - asap
3) Ongoing deterioration, treat 2-5 years
4) Stable
A) Artistic
H) Historical
P) Visually prominent
M) Monitor

TREATMENT
Date(s) of treatment: 6/24-9/6/2016
1. Marker fragments excavated and 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.
2. Mating surfaces cleaned and fragments attached with structural adhesive, brace and clamp until cured.
3. When required, the lower edge of marker is re-squared with minimal loss using a power grinder
4. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.
5. Disturbed areas backfilled with existing topsoil.
6. Cracks and losses filled with pigmented cementitious Jahn products.

Comments: Adhesive repair and reset in 1993

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**CONDITION ASSESSMENT**

**Cemetery:** Charter Street Cemetery  
**NAME ON MARKER**  
Dea. Josiah Willard  
**Death Date:**  
**Marker Type:** Footstone?  
**Condition of Inscription:** Missing, illegible  
**Material:** Slate

### EXISTING CONDITIONS
- **Fallen**
- **Fragment**

### CONSERVATION STRATEGY
- **Investigate—restorable?**
- **Reset plumb**
- **Possible new below base**

### CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action  
2) Unstable—asap  
3) Ongoing deterioration, treat 2-5 years  
4) Stable  
A) Artistic  
H) Historical  
P) Visually prominent  
M) Monitor

### TREATMENT
- **Area probed and no additional fragments discovered.**
- **Fragment found to be not restorable**

**Date(s) of treatment**
- In 1998 listed to be reset into new base

**Comments:**
- Not restorable

**Width**  
**Thickness**  
**Height**

**Marker#** C7.2

---

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Cemetery: Charter Street Cemetery

NAME ON MARKER: n.a.

Death Date: Marker Type: Footstone

Condition of Inscription: Illegible Material: Marble

EXISTING CONDITIONS
- Fallen
- Fragment

CONSERVATION STRATEGY
- Investigate– restorable?
- Reset plumb
- Possible new below base

CONSERVATION PRIORITY: 1.5

TREATMENT

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset 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.

Width: 7
Thickness: 1
Height: 7

Marker #: D4.1

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condition assessment monument conservation collaborative llc

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

Cemetery: Charter Street Cemetery
NAME ON MARKER: W.E.B. (?)
Death Date: Marker Type: Footstone
Condition of Inscription: Partially Decipherable
Material: Marble

EXISTING CONDITIONS
Tilted

CONSERVATION STRATEGY
Reset plumb
Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action  2) Unstable – asap
3) Ongoing deterioration, treat 2-5 years  4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT
Date(s) of treatment 6/6/2016
1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset 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.

Comments:
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Width 7 Thickness 1 Height 7 Marker# D4.1 adj.
Charter Street Cemetery

**NAME ON MARKER**

**Turner Tomb**

**Death Date:**

**Marker Type:** Tomb

**Condition of Inscription:** Decipherable

**Material:** Marble/Granite

### EXISTING CONDITIONS

<table>
<thead>
<tr>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top loose and out of plane with base</td>
</tr>
<tr>
<td>Weathered ledger</td>
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</tbody>
</table>

### CONSERVATION STRATEGY

<table>
<thead>
<tr>
<th>Strategy</th>
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</thead>
<tbody>
<tr>
<td>Secure top with structural adhesive.</td>
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<tr>
<td>Treat top with HCT</td>
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</table>

### CONSERVATION PRIORITY 1

### TREATMENT

<table>
<thead>
<tr>
<th>Date(s) of treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/6-6/27/2016</td>
</tr>
</tbody>
</table>

1. Top positioned in line with granite base and attached with structural adhesive placed around edge. (Abatron 55-22)
2. Top treated with 3 saturating applications of HCT, (Prosoco) a hydroxylating conversion treatment to consolidate the surface

### COMMENTS

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Cemetery: Charter Street Cemetery

NAME ON MARKER: Thomas Beadle

Death Date: 
Marker Type: 
Footstone?

Condition of Inscription: Partially Decipherable
Material: Slate

EXISTING CONDITIONS

Tilted
In pathway

CONSERVATION STRATEGY

Reset plumb– off pathway
Possible new below base

CONSERVATION PRIORITY 1

TREATMENT
Date(s) of treatment: 6/6/2016

Note: Existing location in pathway is hazardous. New setting location agreed by Town Staff Planner and Landscape Architect.

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset plumb at appropriate height and level onto gravel bed, aligned with adjacent markers.
3. Area backfilled around marker with tamped sand and gravel

Comments:
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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: John Brown
Death Date: 12/23/1783 Marker Type: Headstone
Condition of Inscription: Legible Material: Slate

EXISTING CONDITIONS
Tilted

CONSERVATION STRATEGY
Reset plumb Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action 2) Unstable – asap
3) Ongoing deterioration, treat 2-5 years 4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT
Date(s) of treatment 6/6/2016
1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset 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.

Comments:
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**CONDITION ASSESSMENT**

**Cemetery:** Charter Street Cemetery  
**Name on Marker:** Jehoadan Grafton  
**Death Date:** 12/5/1707  
**Marker Type:** Headstone  
**Condition of Inscription:** Legible  
**Material:** Slate

---

**EXISTING CONDITIONS**

- Tilted
- Fractured

**CONSERVATION STRATEGY**

- Structural adhesion
- Reset plumb
- Possible new below base

**CONSERVATION PRIORITY**  
**1.5**

---

**TREATMENT**

Date(s) of treatment: 6/28-9/6/2016

1. Fragments carefully excavated and inspected for soundness. Area probed and buried or overgrown fragments carefully excavated and inspected for soundness.
2. All mating edges of fragments cleaned with water and failed adhesives removed with hand tools.
3. Fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured. After partial cure excess epoxy removed with hand tools.
4. After curing, marker re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers. Area backfilled around marker with tamped existing sand and gravel.

**Comments:**

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**Width:** 18  
**Thickness:** 1  
**Height:** 15  
**Marker #:** E7.2
Cemetery: Charter Street Cemetery

NAME ON MARKER: Fisk Tomb

Death Date: 3/31/2016

Marker Type: Tomb

Condition of Inscription: Illegible

Material: Marble/Granite

EXISTING CONDITIONS
Top loose and out of plane with base
Weathered ledger
Missing fragment

CONSERVATION STRATEGY
Secure top with structural adhesive.
Treat top with HCT

CONSERVATION PRIORITY 1

TREATMENT
1. Top positioned in line with granite base and attached with structural adhesive placed around edge. (Abatron 55-22)
2. Top treated with 3 saturating applications of HCT, (Prosoco) a hydroxylating conversion treatment to consolidate the surface
3. Perimeter was tuck-filled with Voidspan mortar binder and clean sand.

Note:
Corner fragment is missing. Unless it is found no replacement work to be done

Date(s) of treatment: 6/6/-6/27/2016

Comments:
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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER       Derby Tomb
Death Date:           Marker Type: Tomb
Condition of Inscription: Partially Decipherable
Material: Marble/Granite

EXISTING CONDITIONS
Top loose from base
Mortar joints failing
Lower granite block out of plane

CONSERVATION STRATEGY
Secure top to base
Repoint failed joints
Investigate lower block

CONSERVATION PRIORITY  1

TREATMENT
Date(s) of treatment 6/6/-6/27/2016
1. Top positioned in line with granite base and attached with structural adhesive placed around edge. (Abatron 55-22)
2. Top treated with 3 saturating applications of HCT, (Prosoco) a hydroxylating conversion treatment to consolidate the surface
3. Perimeter was tuck-filled with Voidspan mortar binder and clean sand

Note: Monitor dislocated lower block to determine if condition is stable or continuing.

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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER Nicholas Chatwel (?)
Death Date: 10/30/1700 Marker Type: Headstone
Condition of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS
- Metal strap
  - Fractured

CONSERVATION STRATEGY
- Remove metal strap
- Attach fragments with structural adhesive

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action 2) Unstable – asap 3) Ongoing deterioration, treat 2-5 years 4) Stable A) Artistic H) Historical P) Visually prominent M) Monitor

TREATMENT
Date(s) of treatment 6/27-6/29/2016
1. Metal braces removed
2. Area around lower fragment carefully excavated and inspected for soundness. Area probed, buried or overgrown fragments carefully excavated and inspected for soundness.
3. Lower fragment re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers. Area backfilled around marker with tamped existing sand and gravel
4. All mating edges of fragments cleaned with water and 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 tools when partially cured.
6. Voids and cracks filled with pigmented Sto crack filler.

Comments:
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<td>2</td>
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Marker# F5.1
CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: Gedney Tomb
Death Date: Marker Type: Tomb
Condition of Inscription: Decipherable Material: Sandstone/Stucco

EXISTING CONDITIONS
- Sandstone delaminating
- Stucco failing

CONSERVATION STRATEGY
- Consolidate sandstone ledger and fill losses.
- Patch existing stucco
- Whitewash all stucco surfaces.

CONSERVATION PRIORITY 1

TREATMENT
Date(s) of treatment: 6/27-10/3/2016
1. Sandstone top consolidated with Consolidant OH 100 (Prosoco) 3 cycles of 3 applications.
2. Any loose, failing, or spalling stucco removed with hand tools
3. A bonding agent was applied to existing surfaces which needed patching
4. Missing areas patched with stucco (mortar mix-cement/lime/sand)

Comments:

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Cemetery: Charter Street Cemetery
NAME ON MARKER: Bartlett Tomb
Death Date:  
Marker Type: Tomb
Condition of inscription: Partially Decipherable
Material: Sandstone/stucco

EXISTING CONDITIONS
- Old repair to ledger
- Stucco failing

CONSERVATION STRATEGY
- Investigate old repair to ledger
- Establish if top is secure to base, mortar if required
- Patch existing stucco
- Whitewash all stucco surfaces.

CONSERVATION PRIORITY 1

TREATMENT
Date(s) of treatment: 10/3/2016
1. Any loose, failing, or spalling stucco removed with hand tools
2. A bonding agent was applied to existing surfaces which needed patching
3. Missing areas patched with stucco (mortar mix-cement/lime/sand)

Comments:
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CONDITION ASSESSMENT

Charter Street Cemetery

NAME ON MARKER: Priscilla Jayne

Death Date: 7/18/1810  Marker Type: Headstone

Condition of Inscription: Legible  Material: Slate

EXISTING CONDITIONS

Tilted

CONSERVATION STRATEGY

Reset plumb
Possible new below base

CONSERVATION PRIORITY 2

TREATMENT

Date(s) of treatment: 6/29/2016

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
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.

Comments: Mower damage

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**CONDITION ASSESSMENT**

**Cemetery:** Charter Street Cemetery  
**NAME ON MARKER:** Lynde Tomb  
**Death Date:**  
**Marker Type:** Tomb  
**Condition of Inscription:** Illegible  
**Material:** Marble/Granite  

## EXISTING CONDITIONS

- Top ledger fractured  
- Missing bronze plaques  
- Loose granite block and open joints  

## CONSERVATION STRATEGY

- Attach ledger with structural adhesive and reset to base.  
- Replace loose block and repoint.  
- Fill plaque areas with stucco  
- Repoint mortar joints  

## CONSERVATION PRIORITY 1

1. Hazardous, immediate action   
2) Unstable – asap   
3) Ongoing deterioration, treat 2-5 years  
4) Stable  

## TREATMENT

1. Fragmented marble ledger dismantled and fragments attached with structural adhesive (Abatron 55-22), clamped and braced until cured.  
2. Voids filled with pigmented Voidspan PHLc injection grout, keep damp for min 3 days. When cured, larger areas filled with pigmented Jahn mortar.  
3. Top was tuck pointed around perimeter  
4. Loose granite block reset and all mortar joints repointed  
5. Loose bricks stabilized and bricks added where missing.  
6. Plaque areas on both sides were stuccoed with masonry mortar mix.  

## Comments:

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**Date of treatment:** 9/20-10/3/2016

**Marker #:** G7.1
Cemetery: Charter Street Cemetery
NAME ON MARKER: Elizabeth Millet
Death Date: Aug 8(?) 1798  Marker Type: Headstone
Condition of Inscription: Partially Decipherable  Material: Slate

EXISTING CONDITIONS
- Fractured
- Failed backing

CONSERVATION STRATEGY
- Attach fragments with structural adhesive
- Determine if backing is required.

CONSERVATION PRIORITY 1.5

TREATMENT
Date(s) of treatment: 6/7-10/2/2016
1. Failed adhesive removed from fragments with hand tools
2. Area around loose fragment excavated and fragment attached to larger fragment and backing stone with structural adhesive (Abatron 55-22), clamped and braced until cured. Excess epoxy removed with hand tools when partially cured.
3. Voids and cracks filled with pigmented Sto crack filler, larger losses filled with Jahn restoration mortar.

Comments: Adhesive repair and reset in 1995

Width: 19.5  Thickness: 2  Height: 25
Marker#: H1.1
CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER n.a.
Death Date: Marker Type: Headstone
Condition of Inscription: Illegible Material: Marble

EXISTING CONDITIONS
Tilted Fragmented

CONSERVATION STRATEGY
Investigate
Attach fragments
Reset plumb
Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action 2) Unstable – asap
3) Ongoing deterioration, treat 2-5 years 4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT
Date(s) of treatment 6/27-6/29/2016
1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
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.

Comments:
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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery

NAME ON MARKER: Mary Hart

Death Date: 2/15/1800

Marker Type: Headstone

Condition of Inscription: Legible

Material: Slate

EXISTING CONDITIONS

Tilted

CONSERVATION STRATEGY

Reset plumb
Possible new below base

CONSERVATION PRIORITY 2

1) Hazardous, immediate action 2) Unstable – asap
3) Ongoing deterioration, treat 2-5 years 4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT

Date(s) of treatment: 6/29/2016

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset 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.

Comments: Reset in 1993

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Width 16.5 Thickness 1.5 Height 25
CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER Capt. Robert Seldon
Death Date: 9/4/1797  Marker Type: Headstone
Condition of Inscription: Legible  Material: Slate

EXISTING CONDITIONS
- Tilted
- Fractured

CONSERVATION STRATEGY
- Reset plumb
- Attach fragments with structural adhesive
- Possible new below base

CONSERVATION PRIORITY 1

TREATMENT
Date(s) of treatment 6/27–9/20/2016
1. Marker and fragment carefully excavated and inspected for soundness. Area probed for buried or overgrown fragments.
2. All mating edges of fragments cleaned with water and 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 tools when partially cured.
4. After full cure, marker re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers. Area backfilled around marker with tamped existing sand and gravel.
5. Voids and cracks filled with pigmented Sto crack filler.

Comments: Adhesive repair and reset in 1995

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## CONDITION ASSESSMENT

**Cemetery:** Charter Street Cemetery  
**Name on Marker:** Wainwright Tomb  
**Death Date:**  
**Marker Type:** Tomb  
**Condition of Inscription:** Decipherable  
**Material:** Sandstone/stucco

### EXISTING CONDITIONS

- Old repair to ledger
- Stucco failing

### CONSERVATION STRATEGY

- Investigate old repair to ledger
- Establish if top is secure to base, mortar if required
- Patch existing stucco
- Whitewash all stucco surfaces

### CONSERVATION PRIORITY

**1**

### TREATMENT

<table>
<thead>
<tr>
<th>Date(s) of treatment</th>
<th>10/2-10/3/2016</th>
</tr>
</thead>
</table>

1. Top found to be securely attached to the base unit  
2. Any loose, failing, or spalling stucco removed with hand tools  
3. A bonding agent was applied to existing surfaces  
4. All surfaces patched with stucco (mortar mix-cement/lime/sand)

### Comments:

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<th>Height</th>
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Marker# 15.2
### Condition Assessment

**Cemetery:** Charter Street Cemetery  
**Name on Marker:** Mary Higginson  
**Death Date:** 3/9/1708/9  
**Marker Type:** Headstone  
**Condition of Inscription:** Legible  
**Material:** Slate  

#### Existing Conditions

- **Tilted**

#### Conservation Strategy

- Reset plumb  
- Possible new below base

#### Conservation Priority

1. Hazardous, immediate action
2. Unstable – asap
3. Ongoing deterioration, treat 2-5 years
4. Stable

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<td>21</td>
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#### Treatment

- **Date(s) of treatment:** 6/27/2016

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.  
2. Setting area excavated to sufficient depth and stone reset 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.

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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: Stephen Smith
Death Date: 3/9/1708/9  Marker Type: Headstone
Condition of Inscription: Legible  Material: Slate

EXISTING CONDITIONS

<table>
<thead>
<tr>
<th>Tilted</th>
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</thead>
</table>

CONSERVATION STRATEGY

| Reset plumb |
| Possible new below base |

CONSERVATION PRIORITY 1.5

| 1) Hazardous, immediate action  2) Unstable– asap  3) Ongoing deterioration, treat 2-5 years  4) Stable  A) Artistic  H) Historical  P) Visually prominent  M) Monitor |
| Width  16  Thickness  1.5  Height  25 |

TREATMENT

Date(s) of treatment: 6/28-6/29/2016

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
2. Setting area excavated to sufficient depth and stone reset 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.

Comments:

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**CONDITION ASSESSMENT**

<table>
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<th>Charter Street Cemetery</th>
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<tr>
<td>NAME ON MARKER</td>
<td>Simon Bradstreet Tomb</td>
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<tr>
<td>Death Date:</td>
<td></td>
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<tr>
<td>Marker Type:</td>
<td>Tomb</td>
</tr>
</tbody>
</table>

**Condition of Inscription:** Illegible

**Material:** Sandstone/stucco

**Death Date:** 3/31/2016

**EXISTING CONDITIONS**
- Failing stucco

**CONSERVATION STRATEGY**
- Investigate if top is secure to base
- Patch failed stucco
- Whitewash all stucco surfaces

**CONSERVATION PRIORITY**

1. Hazardous, immediate action
2. Unstable – asap
3. Ongoing deterioration, treat 2-5 years
4. Stable

**Comments:**

1. Top found to be securely attached to the base unit
2. Any loose, failing, or spalling stucco removed with hand tools
3. A bonding agent was applied to existing surfaces
4. All surfaces patched with stucco (mortar mix-cement/lime/sand)

**TREATMENT**

Date(s) of treatment: 10/2-10/3/2016

- Whitewash stucco surfaces.

**Width** | **Thickness** | **Height**
--- | --- | ---

**Marker#** 16.1
Cemetery: Charter Street Cemetery

Name on Marker: Beckett

Death Date: 6/1774

Marker Type: Headstone

Condition of Inscription: Partially Decipherable

Material: Slate

EXISTING CONDITIONS

Fractured
Tilted

CONSERVATION STRATEGY

Attach fragments with structural adhesive
Reset plumb
Possible new below base

CONSERVATION PRIORITY 1.5

1) Hazardous, immediate action  2) Unstable - asap
3) Ongoing deterioration, treat 2-5 years  4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT

Date(s) of treatment: 6/7-10/2/2016

1. Marker fragments excavated and 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.
2. Fragments found to be securely attached.
3. When required, the lower edge of marker is re-squared with minimal loss using a power grinder
4. Marker reset into setting slot with a cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer.
5. Disturbed areas backfilled with existing topsoil.
6. Cracks and losses filled with pigmented cementitious Jahn products.

MARKER CONTENT:

Marker# J3.1

Width 18  Thickness 4  Height 15
CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: Samuel Barnard
Death Date: 11/21/1769 Marker Type: Headstone
Condition of Inscription: Legible Material: Slate

EXISTING CONDITIONS
Tilted

CONSERVATION STRATEGY
Reset plumb
Possible new below base

CONSERVATION PRIORITY 1.5

1) Hazardous, immediate action 2) Unstable– asap
3) Ongoing deterioration, treat 2-5 years 4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT
Date(s) of treatment: 6/27/2016

1. Marker carefully excavated removing the soil around tilted markers to an appropriate depth. Marker appears to be sound.
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.

Comments:

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CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: Susanah Clover
Death Date: 12/16/1761
Marker Type: Headstone
Condition of Inscription: Legible
Material: Slate

EXISTING CONDITIONS
- Fragmented
- Tilted
- Metal supports

CONSERVATION STRATEGY
- Remove metal supports
- Structural adhesion
- Reset plumb
- Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action
2) Unstable – asap
3) Ongoing deterioration, treat 2-5 years
4) Stable
A) Artistic
H) Historical
P) Visually prominent
M) Monitor

TREATMENT
1. Metal braces removed
2. Fragments carefully excavated and inspected for soundness. Area probed for buried or overgrown fragments.
3. All mating edges of fragments cleaned with water and failed adhesives removed with hand tools.
5. When fully cured, marker re-set plumb at appropriate height and level onto gravel bed, aligned with adjacent markers. Area backfilled around marker with tamped existing sand and gravel.
6. Voids and cracks filled with pigmented Sto crack filler.

Comments:
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Inspection Date: 3/31/2016
Inspected By: IS & MJ

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

Width 21.5
Thickness 1
Height 21
Marker# J8.2
CONDITION ASSESSMENT

Cemetery: Charter Street Cemetery
NAME ON MARKER: n.a.
Death Date: Marker Type: Headstone
Condition of Inscription: Illegible
Material: Marble

EXISTING CONDITIONS
Fragmented

CONSERVATION STRATEGY
Investigate– Restorable?
Reset plumb
Attach fragments with structural adhesive
Possible new below base

CONSERVATION PRIORITY 1.5
1) Hazardous, immediate action  2) Unstable– asap
3) Ongoing deterioration, treat 2-5 years  4) Stable
A) Artistic  H) Historical  P) Visually prominent  M) Monitor

TREATMENT
Date(s) of treatment
Not restorable

MARKER NUMBER: J10.1

Comments:
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