

Condition Assessments and Conservation Recommendations for  
Old Center Cemetery, North Haven, CT April 2016

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**MONUMENT CONSERVATION COLLABORATIVE LLC**  
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## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

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### List of stones requiring treatments

3	M.B.	New Base	247	n.a.	Tilted- Poss new base
62	Fannah Griggs	Fracture	252	n.a.	Tilted- Poss new base
64A	Julia	Overgrown, Poss new base	266	n.a.	Tilted- Poss new base
67	n.a.	Fractured, reset to base	268	Thaddeus Todd	Tilted- Poss new base
75	n.a.	Investigate- part of 75A?	270	Bishop	Tilted- Poss new base
75A	n.a.	Investigate- part of 75?	291	n.a.	Tilted- Poss new base
85	Eleazer Cooper	New base	317	Samuel Jackett	Relocate
93	Infant Daughter Cooper	Tilted- Poss new base	338	n.a.	Tilted- Poss new base
94	Elias & Mary Cooper	Tilted- Poss new base	352	n.a.	Not restorable
97	Christopher Todd	Tilted- Poss new base	368	n.a.	Tilted- Poss new base
98	Hannah Todd	Tilted- Poss new base	370	n.a.	New base
125	Thomas Homeston	Reset plumb	374	Joel Mansfield	Fractured
131	Bede? Blakslee	Tilted- Poss new base, D/2	397	Mary Munson	Tilted- Poss new base
148	n.a.	Fallen, Poss new base	406	n.a.	Not restorable
149	n.a.	Fractured	421	Thomas Ives	Tilted- Poss new base
151	n.a.	reset to exist base	432A	Reverend Stiles TOMB	Repoint brick base
169	n.a.	Investigate	444	n.a.	Investigate
170	n.a.	Investigate	445	n.a.	Tilted- Poss new base
171	n.a.	Tilted- Poss new base	447	Munson?	Tilted- Poss new base
172	n.a.	Fractured, poss new base	450	Bassett	Tilted- Poss new base
175	Blakslee	Tilted and D/2	452	n.a.	Tilted- Poss new base
186A	Nathan Mansfield	Reset plumb	477A	n.a.	Tilted- Poss new base
192	n.a.	Tilted- Poss new base	478	n.a.	Tilted- Poss new base
196	n.a.	Tilted- Poss new base	495	n.a.	Fractured
221	n.a.	New base	504	Bassett	Investigate, Fragment
229	n.a.	New base	508	Bassett	New base
236	John Smith	Tilted- Poss new base	523	n.a.	Investigate
238	n.a.	Tilted- Poss new base	527	Bradley	Tilted- Poss new base
241	n.a.	Tilted, steel straps, poss new base	544	n.a.	Tilted- Poss new base
245	n.a.	Tilted, steel straps, poss new base			

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### ***Strategies: preservation and restoration***

The goal of the monument conservator is the preservation of both the physical substance and the historic/artistic meaning of each monument.

Because of the proximity of the visitor to the artifact, and the rather high level of scrutiny given to the inscriptions and decoration, cemetery conservation practices demand closer tolerances of color and texture than are typical in building preservation.

In recent years, most monument conservators have been moving toward a "conserve as found" approach, emphasizing preservation with materials and methods that are dedicated to retarding environmental decay.

### **Summary of conditions**

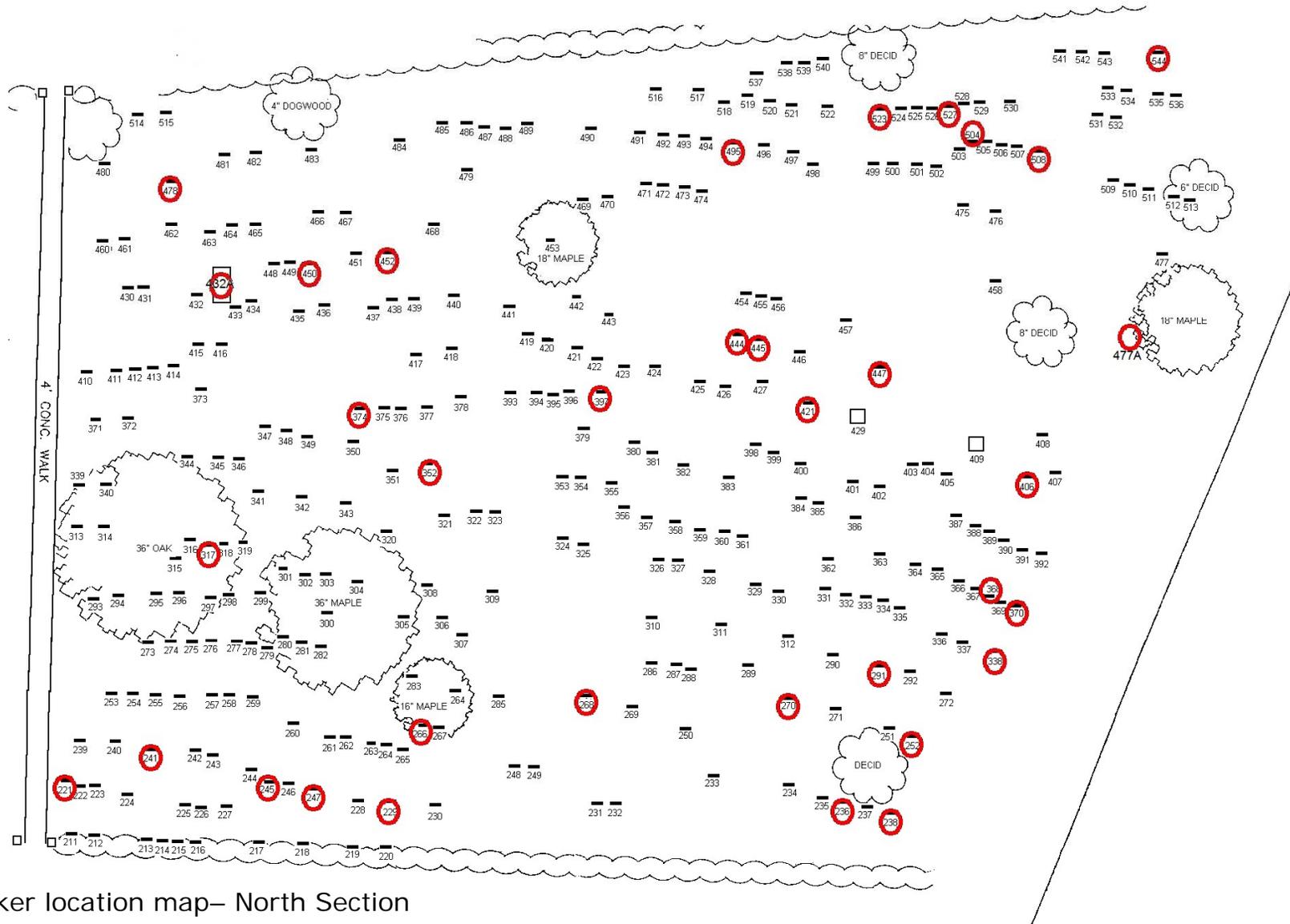
On March 29, 2016 Martin Johnson and Irving Slavid inspected the condition of all the markers in the Old Center Cemetery. We concentrated on hazardous, unstable, fallen and fractured markers. Markers which were slightly tilted, less than 15 degrees, were not included.

We did not discover any hazardous markers, the majority of the markers were tilted and require stabilization or resetting. All markers requiring treatments have an individual treatment recommendation included in this report and are identified on the enclosed maps by their map id numbers. Detailed recommendations of methods and materials are included in this report.

We found 59 markers requiring work, 34 on the North section of the cemetery and 25 on the South side. While many of the markers are not able to be easily identified (n.a.) we do not believe cleaning will help in identification.

Since all the present conditions have the same restoration priority work can be done in either one or two phases.

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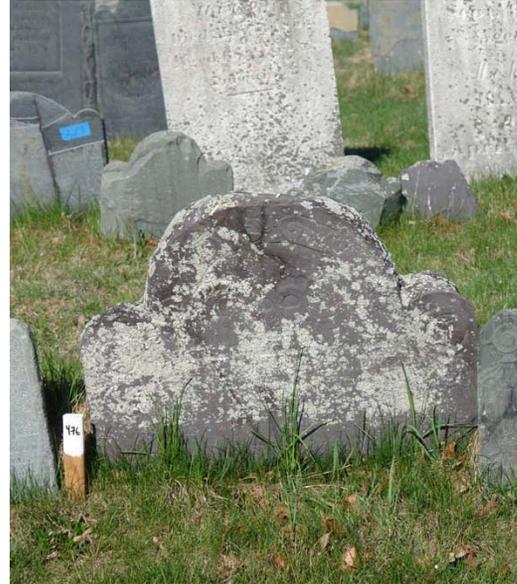
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### Cleaning

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 will be done prior to other treatments.

Cleaning of marble markers should be limited to those requiring structural adhesions. General cleaning of marbles would make the markers appear very white and the cemetery would appear historically inaccurate.

Other markers such as slate, schist and sandstone can be successfully cleaned without disturbing the overall aesthetics.



*Typical slate marker, benefitting from cleaning*



*The cleaning of one marble inappropriately stands out; and cleaning all the stones would be historically incorrect.*

When cleaning, both aesthetic and technical considerations should be considered.

Removal of biofilm is 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.

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

## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

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### 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 is 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. Replace disturbed areas 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.



*18th century markers often have as much below the ground as above. Only upon excavating this marker for resetting does the very massive below grade portion become apparent..*

## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

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### Resetting Tilted and Sunken Markers Cont'd

#### Resetting into existing bases

In many cases, markers have been set into below grade bases either originally or at a later date upon fracturing. When discovered, these bases can often be uncommonly deep, more than one foot.

Older bases should be carefully excavated, examined for soundness and reset level at a higher elevation and aligned with adjacent markers.



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



*Old base reset higher and aligned with adjacent markers*



*Old base removed and inspected for soundness*

Gravestones that required insertion into existing bases are to be 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 mix is poured into the base slot. Stones to be braced for a minimum of three days to limit movement during curing of the grout.

## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

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### Resetting Tilted and Sunken Markers Cont'd

#### Re-setting in new base

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

New below grade bases are made on site by casting in the ground with concrete. The casting is generally 9 to 12 inches deep, and 12 inches greater in thickness and 6 inches wider than the stone itself. The finished top surface of the base should be entirely below grade.

A form insert for a 1-inch deep setting slot, 1/2 inch wider and 1 inch thicker than the stone, is positioned in the concrete, in line with adjacent markers.



*Formwork for new base*



*Poured base with form insert for setting slot*

After the base has cured, the form is removed, and the area backfilled. The gravestone is reset into the slot using a cement/lime mortar (3:2:9) with 00 or 000 sand, made fluid with a high-range water reducer which ensures a complete fill.

After stones are set plumb and level, and braced for a minimum of three days, topsoil is added to re-grade the disturbed area..



*New base ready for resetting*

## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

### Resetting Tilted and Sunken Markers Cont'd

#### *Re-setting on/in existing base, cont.*

When the gravestone has (typically) broken just above an existing slotted base, stone fragments may have to be removed from the slot and the bottom of the gravestone re-squared. Even with power tools, this is a time-consuming and arduous task.



*Example of marker broken just above existing base*



*The original base for this marker may be discovered by probing, or a new below grade base may be required.*



*Removing slot fragments with power tools*

Stones are set with a mix of cement/lime/sand (3:2:9) with 00 or 000 sand made fluid with a high-range water reducer which ensures a complete fill.

Set plumb and level, and braced for a minimum of three days to limit movement during curing of the grout.



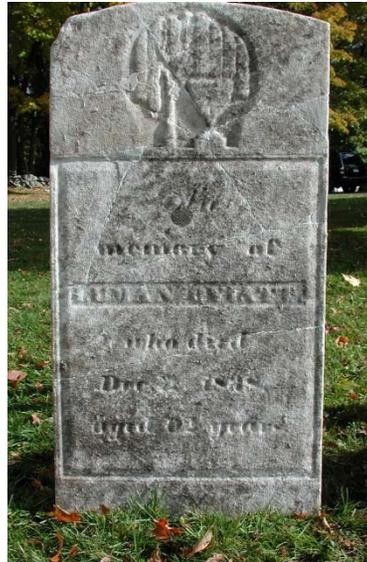
*Example of bracing after re-setting with mortar.*

## Condition Assessments and Conservation Recommendations for Old Center Cemetery, North Haven, CT April 2016

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### **Fractures-**

Most broken markers can be re-assembled with structural adhesives, without pinning. Bonding is dependent upon the soundness, cleanness and conformation of the fractured surfaces, factors often associated with the age of the break.



*Marble gravestone, before and after restoration*

### **Structural adhesion**

All bonding surfaces to be carefully cleaned and the fragments dry fitted. Aboweld 55-22 (Abatron, Inc.), a thixotropic, moisture-insensitive two-part epoxy, is thinly and evenly applied along both surfaces of the glue line, keeping slightly back from the edge of the break.

The properly-aligned fragments are joined with clamps, and braced during curing, which is typically a period of several days. Any extra epoxy flowing from clamped joints should be left to partially cure for 24 hrs before attempting removal, and carefully chipped off. The slight gap created is concealed with a crack filler.



Although the use of pins is not typically recommended for routine adhesion, complex breaks sometimes require drilling and structural pinning for safer re-assembly. (Larger voids can be spanned by these pins to provide an armature for restoration mortars.)

### *Example of bracing and clamping*

Where pinning is required, threaded stainless steel rods are recommended, the diameter not more than 1/3 the thickness of the stone, and the total depth of the pin equal to 8 to 10 times its diameter, set in a two-part epoxy.

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### ***Filling of cracks and losses***

Loss is the disappearance of material by fracturing, erosion, or flaking, or by the delamination of larger, distinct layers that have entirely detached (and fallen) from the monument.

The loss of significant parts of a marker can create complex structural and/or weathering problems. The restoration of the profiles, decoration and inscriptions, can require complicated aesthetic decisions.

Losses designated for treatment can be filled with a pigmented cement/lime mortar, using colored aggregates.

The mortar color and texture should be matched to that of the unsoiled stone. If the stone has not been cleaned, artificial "soiling" of the cured mortar surfaces can be done by a variety of means, including use of potassium silicate paint systems, such as Keim, or a diluted acrylic wash with alkali-stable pigments.



*Examples of cement-lime repair mortars*

Losses in sandstone are filled with a custom-colored cementitious restoration mortar, such as Jahn™ M-70 (Cathedral Stone Products, Inc.). For marble, losses are filled with Jahn™ M-70 Custom Limestone Maximum White or with RepliCal™ Marble, a marble-based repair composite designed to match the appearance of weathered surfaces. Most fine cracks can be filled with pigmented Voidspan PHLc, a pozzolanic hydraulic lime crack filler and grout.

All filled areas are misted with water and covered for a minimum of 3 days. After partial curing the filled areas are given a light acid washing and thoroughly rinsed with water to remove the paste from the surface and expose the aggregate.

Fills and patches are made to look weathered. Where lettering and inscriptions are lost, they are not replaced. In these areas the filled plane is kept slightly back from the stone surface to indicate that there is a loss. Areas where there are no inscriptions can be filled level with the original stone.



*Filling cracks in a sandstone with a pigmented crack filler*

Patching and crack filling should not be performed when the temperature of the air or of the stone surface is below 40 degrees Fahrenheit.

**Condition Assessments and Conservation Recommendations for  
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**PRODUCTS/SUPPLIERS**

**D/2 Biological Solution**

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

**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

**VoidSpan PHLc**

VoidSpan Technology  
34 Boardman St  
Salem MA 01970

Old Center Cemetery North Haven, CT

**MARKER NAME: M. B.**

Death Date: 1779 Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

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

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Inspect marker for soundness. Remove soiling by light brushing with nylon brushes and water. Locate setting area.</li> <li>2. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>3. If required, re-square the lower edge of marker with minimal loss</li> <li>4. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/9) with 000 sand</li> <li>5. Set marker plumb and level, brace for minimum of 5 days.</li> <li>6. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 3

Old Center Cemetery North Haven, CT

**MARKER NAME: FANNA GRIGGS**

Death Date: 10/18/1802 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Structural adhesive

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate marker and fragments. Brush clean and inspect for soundness.</li> <li>Clean mating surfaces and remove any failed adhesives or mortar</li> <li>Attach fragments with structural adhesive, brace and clamp until cured.</li> <li>When adhesive is partially cured, remove excess adhesive with hand tools</li> <li>Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products.</li> <li>Mist filled areas with water and cover for 3 days minimum</li> <li>Treat filled surface areas with light acid wash and rinse thoroughly</li> </ol>

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Marker# 62

Old Center Cemetery North Haven, CT

**MARKER NAME: JULIA**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, overgrown	Investigate Reset plumb into new below grade base

RECOMMENDED TREATMENT
<p>Carefully excavate marker and fragments. Brush clean and inspect for soundness and extreme sugaring. Probe area for additional fragments. Evaluate if marker is restorable. If not, reset as found.</p> <ol style="list-style-type: none"> <li>1. If marker is sound and adequate fragments are found a new below grade cast concrete base will be required. Sized minimum of 12 inches deep, 12 inches greater in thickness and 6 inches wider than the stone. Align the setting slot with adjacent markers.</li> <li>2. If required, re-square the lower edge of marker frag. with min. loss.</li> <li>3. After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>4. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 64A

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive Reset to existing base.

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Remove debris from setting slot. If required, the use of power grinders will facilitate removal of stone fragments</li> <li>2. If required, resquare lower edge of marker using power grinder with minimal loss.</li> <li>3. Reset lower fragment plumb and level into base slot with cement/lime grout (3/2/9) with 000 sand made fluid with a super plasticizer. Remove excess grout and clean joint area. Brace for 3 days min.</li> <li>4. Treat mating edges of marker with D/2 Biological Solution and rinse thoroughly with water</li> <li>5. Attach fragments with structural adhesive ( Abatraton 55-22), clamp and brace until cured. Remove excess epoxy with hand tools when adhesive has partially cured.</li> <li>6. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products.</li> <li>7. Mist filled areas with water and keep damp and covered for 3 days minimum</li> <li>8. Treat filled surface areas with light acid wash lightly scrub with nylon brushes and rinse fully with water</li> </ol>

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CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen, Fragmented	Investigate, may be part of # 75A Structural adhesion Possible new below base
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RECOMMENDED TREATMENT
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The measurement of this fragment match fragments found in # 75A.
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If this fragment does not belong with 75A, reset as found.
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If it does match, see 75A for recommendations
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Marker# 75

Old Center Cemetery North Haven, CT

**MARKER NAME:**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, Fragmented	Investigate, may be part of # 70 Structural adhesion Possible new below base

RECOMMENDED TREATMENT
Investigate #70, determine setting location and poss. exist below grade base
1. Excavate setting area for new below grade cast concrete base.
2. Cast a new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be below grade.
3. Align the setting slot (1/2" wider and 1/2" thicker than the marker) with adjacent markers.
4. When required, re-square the lower edge of marker with minimal loss using a power grinder
5. Reset lower fragment plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Brace for min 3 days
6. Clean all mating edges with water and remove any failed adhesives with hand tools
7. Attach fragments with structural adhesive (Abatron 55-22), clamp and brace until cured. Remove excess epoxy w/ hand tools when partially cured.
8. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products
9. Treat filled surface areas with light acid wash and rinse thoroughly
10. When required, treat all surfaces with D/2 Biological Solution, scrub with nylon brushes and water. Rinse fully with water

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Marker# 75A

Old Center Cemetery North Haven, CT

**MARKER NAME: ELEAZAR COOPER**

Death Date: 12/6/1780 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
<p><b>Fallen</b> <b>Fractured at grade</b></p>	<p><b>Reset plumb into new below grade base</b></p>

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground.</li> <li>A new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 85

Old Center Cemetery North Haven, CT

**MARKER NAME: Infant Daughter COOPER**

Death Date: 25th Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Delaminating	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Old Center Cemetery North Haven, CT

**MARKER NAME: ELIAS & MARY COOPER**

Death Date: 5/16/1773 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below grade base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Old Center Cemetery North Haven, CT

**MARKER NAME: CHRISTOPHER TODD**

Death Date: 1/13/1784 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below grade base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 97

Old Center Cemetery North Haven, CT

**MARKER NAME: HANNAH TODD**

Death Date: 3/8/1782 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below grade base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 98

Old Center Cemetery North Haven, CT

**MARKER NAME: THOMAS HOMESTON**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Reset plumb

RECOMMENDED TREATMENT
<ol style="list-style-type: none"><li>1. Determine setting position and excavate area to an appropriate depth.</li><li>2. Excavate marker and examine for soundness. Remove light soiling by brushing with nylon brushes and water.</li><li>3. Re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers</li><li>4. Backfill area around marker with existing tamped gravel and re-grade disturbed areas with existing topsoil.</li></ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME: BEDE (?) BLAKSLEE**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Bio-growth	Reset plumb Possible new below base Treat with D/2

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> <li>Treat surfaces with D/2, scrub w/ nylon brushes, rinse w/ water.</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate marker and fragments. Brush clean and inspect for soundness.</li> <li>Clean mating surfaces and remove any failed adhesives or mortar</li> <li>Attach fragments with structural adhesive, brace and clamp until cured.</li> <li>When adhesive is partially cured, remove excess adhesive with hand tools</li> <li>Fill small cracks and losses with pigmented Voidspan PHLC Fine Pointing Mortar. Fill large losses with pigmented Jahn products.</li> <li>Mist filled areas with water and cover for 3 days minimum</li> <li>Treat filled surface areas with light acid wash and rinse thoroughly</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb to exist base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground.</li> <li>Reset existing base level and plumb and aligned with adjacent markers.</li> <li>Remove any failed material from setting slot.</li> <li>If required, re-square the lower edge of marker with min. loss.</li> <li>Set marker plumb and level into slot using a plasticized cement/ lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 151

CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fractured	Investigate. May be part of #170
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RECOMMENDED TREATMENT
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These fragments may be part of fragments found in # 170
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If this fragment does not belong with #170, reset as found.
---

If it does match, see #170 for recommendations
--

Comments: **If not restorable reset as found.**

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Marker# 169

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Investigate. May be part of #169 Structural adhesion Possible new below base

RECOMMENDED TREATMENT
Investigate #169, determine setting location and poss. exist below grade base. If exist base is not found a new below grade base will be required.
1. Excavate setting area for new below grade cast concrete base.
2. Cast a new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be below grade.
3. Align the setting slot (1/2" wider and 1/2" thicker than the marker) with adjacent markers.
4. When required, re-square the lower edge of marker with minimal loss using a power grinder
5. Reset lower fragment plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Brace for min 3 days
6. Clean all mating edges with water and remove any failed adhesives with hand tools
7. Attach fragments with structural adhesive (Abatron 55-22), clamp and brace until cured. Remove excess epoxy w/ hand tools when partially cured.
8. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products
9. Treat filled surface areas with light acid wash and rinse thoroughly

Comments: **If not restorable reset as found.**



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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 171

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Investigate If restorable, attach fragments with structural adhesive and re-set into new below grade base

RECOMMENDED TREATMENT
<p>Investigate conditions, if marker fragments are sound, determine setting location and poss. exist below grade base. If exist base is not found cast a new below grade base.</p> <ol style="list-style-type: none"> <li>1. Excavate setting area for new below grade cast concrete base.</li> <li>2. Cast a new concrete base sized min. 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be below grade.</li> <li>3. Align the setting slot (1/2" wider and 1/2" thicker than the marker) with adjacent markers.</li> <li>4. When required, re-square the lower edge of marker with minimal loss using a power grinder</li> <li>5. Reset lower fragment plumb and level into slot using a cement/lime grout (3/2/9) with 000 sand. Brace for min 3 days</li> <li>6. Clean all mating edges with water and remove any failed adhesives with hand tools</li> <li>7. Attach fragments with structural adhesive (Abatron 55-22), clamp and brace until cured. Remove excess epoxy w/ hand tools when partially cured.</li> <li>8. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products</li> <li>9. Mist filled areas with water and keep damp and covered for 3 days min.</li> <li>10. Treat filled surface areas with light acid wash and rinse thoroughly</li> </ol>

Comments: **If not restorable reset as found.**



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Old Center Cemetery North Haven, CT

**MARKER NAME: BLAKSLEE**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Bio-growth	Reset plumb Possible new below base Treat with D/2

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> <li>Treat surfaces with D/2, scrub w/ nylon brushes, rinse w/ water.</li> </ol>

Comments:

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Marker# 175

CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME: NATHAN MANSFIELD**

Death Date: 12/1798 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen	Reset plumb
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**RECOMMENDED TREATMENT**

1. Determine setting position and excavate area to an appropriate depth.
2. Excavate marker and examine for soundness. Remove light soiling by brushing with nylon brushes and water.
3. Re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers
4. Backfill area around marker with existing tamped gravel and re-grade disturbed areas with existing topsoil.

Comments:

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Marker# 186A

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

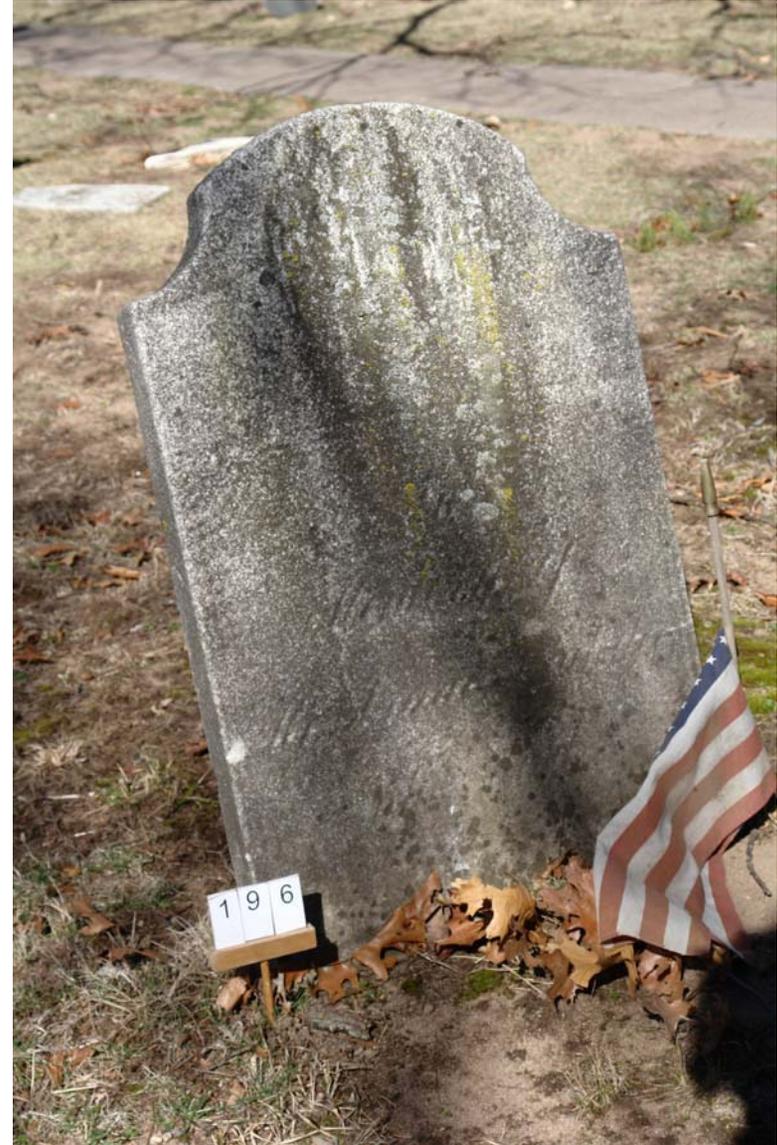
Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 196

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Inspect marker for soundness. Remove soiling by light brushing with nylon brushes and water. Locate setting area.</li> <li>2. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>3. If required, re-square the lower edge of marker with minimal loss</li> <li>4. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/8) with 000 sand</li> <li>5. Set marker plumb and level, brace for minimum of 5 days.</li> <li>6. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 221

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted  
Fractured at grade

Reset to new below base

**RECOMMENDED TREATMENT**

1. Inspect marker for soundness. Remove soiling by light brushing with nylon brushes and water. Locate setting area.
2. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.
3. If required, re-square the lower edge of marker with minimal loss
4. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/8) with 000 sand
5. Set marker plumb and level, brace for minimum of 5 days.
6. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.

Comments:

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Marker# 229

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 236

Old Center Cemetery North Haven, CT

**MARKER NAME: John Smith**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 238

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Metal straps	Remove straps, structural adhesive Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Remove metal straps and clean mating surfaces of fragments.</li> <li>2. Carefully excavate setting area and remove bottom fragment from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 below.</li> <li>3. If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset lower fragment plumb directly into setting area aligned with adjacent markers.</li> <li>4. If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>5. If required, re-square the lower edge of marker frag. with min. loss.</li> <li>6. After min 3 day cure, remove the setting forms and set bottom fragment plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>7. Attach fragments with structural adhesive (Abatron 55-22), clamp and brace until cured. Remove excess epoxy w/ hand tools when partially cured.</li> <li>8. Fill small cracks and losses with pigmented Voidspan PHLC Fine Pointing Mortar. Fill large losses with pigmented Jahn products</li> <li>9. Mist filled areas with water and keep damp and covered for 3 days min.</li> </ol>

Comments:

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Marker# 241

Old Center Cemetery North Haven, CT

MARKER NAME: n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted Fractured Metal straps	Remove straps, structural adhesive Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Remove metal straps and clean mating surfaces of fragments.</li> <li>2. Carefully excavate setting area and remove bottom fragment from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 below.</li> <li>3. If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset lower fragment plumb directly into setting area aligned with adjacent markers.</li> <li>4. If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>5. If required, re-square the lower edge of marker frag. with min. loss.</li> <li>6. After min 3 day cure, remove the setting forms and set bottom fragment plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>7. Attach fragments with structural adhesive (Abatron 55-22), clamp and brace until cured. Remove excess epoxy w/ hand tools when partially cured.</li> <li>8. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products</li> <li>9. Mist filled areas with water and keep damp and covered for 3 days min.</li> </ol>

Comments:

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Marker# 245

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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# 247

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 252

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 266

Old Center Cemetery North Haven, CT

**MARKER NAME: Thaddeus Todd**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME: BISHOP**

Death Date: 12/10 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 270

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 291

Old Center Cemetery North Haven, CT

**MARKER NAME: SAMUEL SACKITT**

Death Date: 1781 Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen	Locate setting position Reset plumb into new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Determine setting position and excavate area for a new below grade base.</li> <li>2. A new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>3. If required, re-square the lower edge of marker frag. with min. loss.</li> <li>4. After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 317

Old Center Cemetery North Haven, CT

MARKER NAME: n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fragmented Extremely weathered	Not restorable
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RECOMMENDED TREATMENT
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No treatments
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Comments:

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Marker# 352

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Inspect marker for soundness. Remove soiling by light brushing with nylon brushes and water. Locate setting area.</li> <li>2. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>3. If required, re-square the lower edge of marker with minimal loss</li> <li>4. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/9) with 000 sand</li> <li>5. Set marker plumb and level, brace for minimum of 5 days.</li> <li>6. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 370

Old Center Cemetery North Haven, CT

**MARKER NAME: Joel Mansfield**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate marker and fragments. Brush clean and inspect for soundness.</li> <li>Clean mating surfaces and remove any failed adhesives or mortar</li> <li>Attach fragments with structural adhesive, brace and clamp until cured.</li> <li>When adhesive is partially cured, remove excess adhesive with hand tools</li> <li>Fill small cracks and losses with pigmented Voidspan PHLC Fine Pointing Mortar. Fill large losses with pigmented Jahn products.</li> <li>Mist filled areas with water and cover for 3 days minimum</li> <li>Treat filled surface areas with light acid wash and rinse thoroughly</li> </ol>

Comments:

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Marker# 374

Old Center Cemetery North Haven, CT

**MARKER NAME: MARY MUNSON**

Death Date: 1/10/1839 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 397

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen, Fractured	Investigate If restorable reset into new below grade base

RECOMMENDED TREATMENT
Extremely weathered and sugary lower portion. Note: this marker was previously restored by MCC in 2005. If the previous restoration is stable the marker may be reset into a new base. If unstable, marker has become un-restorable. To reset into a new below grade base:
<ol style="list-style-type: none"> <li>1. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>2. If required, re-square the lower edge of marker with minimal loss</li> <li>3. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/9) with 000 sand</li> <li>4. Set marker plumb and level, brace for minimum of 3 days.</li> <li>5. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 406

Old Center Cemetery North Haven, CT

**MARKER NAME: THOMAS IVES**

Death Date: 12/12/1751 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 421

CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME: REVEREND STILES**

Marker Type: Tomb

Cond. of Inscription: Partially Decipherable Material: Sandstone/Brick

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Mortar losses of bricks	Repoint mortar joints as required.
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### RECOMMENDED TREATMENT

1. Failed joints raked out and repointed with PHLc Mortar binder (a pozzolan lime base) with local sand.

Comments:

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Marker# 432A

CONDITION ASSESSMENT Inspected by: IS+MJ 3/29/2016

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

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Overgrown	Investigate if restorable

### RECOMMENDED TREATMENT

Carefully excavate marker and fragments. Brush clean and inspect for soundness and extreme sugaring. Probe area for additional fragments. Evaluate if marker is restorable. If not, reset as found.

Comments:

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Marker# 444

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset Possible new below grade base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 445

Old Center Cemetery North Haven, CT

**MARKER NAME: MUNSON?**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 447

Old Center Cemetery North Haven, CT

**MARKER NAME: BASSETT ?**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 450

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 452

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 477A

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 478

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fractured	Attach fragments with structural adhesive

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate marker and fragments. Brush clean and inspect for soundness.</li> <li>Clean mating surfaces and remove any failed adhesives or mortar</li> <li>Attach fragments with structural adhesive, brace and clamp until cured.</li> <li>When adhesive is partially cured, remove excess adhesive with hand tools</li> <li>Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products.</li> <li>Mist filled areas with water and cover for 3 days minimum</li> <li>Treat filled surface areas with light acid wash and rinse thoroughly</li> </ol>

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Marker# 495

Old Center Cemetery North Haven, CT

**MARKER NAME: BASSETT**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fragment Fallen	Investigate If restorable— reset to new below grade base.

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate fragments and inspect for soundness. Probe area for additional fragments.</li> <li>Determine if marker is restorable, if not restorable set major fragment flat below grade.</li> <li>If marker fragments are restorable, proceed with possible new base and structural adhesion.</li> <li>Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>If required, re-square the lower edge of marker with minimal loss</li> <li>After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/8) with 000 sand</li> <li>Set marker plumb and level, brace for minimum of 5 days.</li> <li>Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 504

Old Center Cemetery North Haven, CT

**MARKER NAME: BASSETT**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Inspect marker for soundness. Remove soiling by light brushing with nylon brushes and water. Locate setting area.</li> <li>2. Excavate setting area 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. The finished top to be entirely below grade. Align the setting slot (1" deep, 1/2" wider and thicker than the marker) with adjacent markers.</li> <li>3. If required, re-square the lower edge of marker with minimal loss</li> <li>4. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/8) with 000 sand</li> <li>5. Set marker plumb and level, brace for minimum of 5 days.</li> <li>6. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 508

Old Center Cemetery North Haven, CT

**MARKER NAME: MARTHA YALE**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Sandstone

EXISTING CONDITIONS	CONSERVATION STRATEGY
Fallen Fractured	Probe area for fragments Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>1. Probe area for lower fragment/s and determine setting location</li> <li>2. If fragments are discovered attach with structural adhesive.</li> <li>3. If a new base is required, excavate setting area 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. The finished top to be entirely below grade.</li> <li>4. Align the setting slot (1/2" wider and 1/2" thicker than the marker) with adjacent markers.</li> <li>5. If required, re-square the lower edge of marker with minimal loss.</li> <li>6. After min 3 day cure, remove the setting form and reset stone into slot using a cement/lime grout (3/2/9) with 000 sand</li> <li>7. Set marker plumb and level, brace for minimum of 5 days.</li> <li>8. Disturbed areas to be backfilled with tamped sand and gravel, and re-graded with existing topsoil.</li> </ol>

Comments:

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Marker# 523

Old Center Cemetery North Haven, CT

**MARKER NAME: BRADLEY**

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand . Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

Comments:

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Marker# 527

Old Center Cemetery North Haven, CT

**MARKER NAME:** n.a.

Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

EXISTING CONDITIONS	CONSERVATION STRATEGY
Tilted	Reset plumb Possible new below base

RECOMMENDED TREATMENT
<ol style="list-style-type: none"> <li>Carefully excavate setting area and remove marker from ground. If an existing base is found intact reset base level and plumb. Remove any failed material from setting slot and reset as in #5 and #6 below.</li> <li>If there is no evidence of an existing base and adequate below grade height found for resetting (approx. 1/3 of overall height), reset marker plumb directly into setting area aligned with adjacent markers.</li> <li>If unsound material or inadequate height is found, a new below grade cast concrete base will be required. Sized minimum of 12" deep, 12" greater in thickness and 6" wider than the stone. The finished top to be entirely below grade. Align the 1" deep form for the setting slot with adjacent markers.</li> <li>If required, re-square the lower edge of marker frag. with min. loss.</li> <li>After min 3 day cure, remove the setting forms and set marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand. Brace for min. of 3 days.</li> <li>Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li> </ol>

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Marker# 544