



***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.

## Prioritization

Phased scheduling of work depends on a number of factors, including the severity of deterioration, the nature and complexity of the required treatments, and the relative historic/artistic “value” of the individual monuments.

The primary consideration, however, is safety. A monument that is structurally unsound may pose an immediate danger to the visitor, to itself, or to other monuments nearby.

Non-technical prioritization also involves:

- \* artistic quality;
- \* historic significance (national or local);
- \* visual contribution or location to the overall appearance of the site.

For Charter Street Cemetery markers can be prioritized into four technical categories:

**1.0 Hazardous**--requires immediate action; included are tombs with loose tops and those which are excessively deteriorating.

**1.5 Unstable deterioration**—requires treatment as soon as possible; included are excessively tilted, fractured and unstable, fragments vulnerable to theft and trip hazards

**2.0 Combinations of conditions with ongoing deterioration**— requires treatment within 2 years

**2.5 Tilted markers**, (> 15° from vertical) susceptible to falling and physical damage from the use of grounds maintenance equipment. treatment within 3 years

**3.0 Delaminating markers**, treat within 3-5 years



*G7.1 Lynde Tomb. An example of priority “1”. Highly visible, deteriorating tomb with loose top fragments*



*I5.3 Higginson, extremely tilted, along-side path*



*H7.2 Loose fragments are vulnerable to theft, alongside path*



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 or with respect to the infringement of any patent.

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## CONSERVATION PRIORITIES

**Priority 1**– Hazardous or unsafe, prominent conditions.

**1.5-** Unsafe conditions including excessively tilted and fragments at risk.

Conservation treatments should be done as soon as possible.

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

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**Priority 2–** Unsafe conditions including excessively tilted, tilted and delaminated and fragments at risk. Some located in prominent locations

Conservation treatments should be done within 2 years

C6.1		Sarah	2	Fragment	Delamination	reset higher
D8.2		Joseph	2	Overgrown	Fragment	Investigate
E8.1	n.a	"36th yr of her age"	2	Overgrown	Fragment	Investigate
H9.1	Nourse	John	2	Overgrown	Fragment	Investigate
C6.2	Bowditch	Elizabeth	2	Tilt	Delamination	
H3.1	Babbidge	Susannah	2	Tilt	Delamination	
I11.1	n.a.		2	Tilt	Delamination	
I4.1	Phippen	Mary	2	Tilt	Delamination	
G6.3	R ?	Huldah	2	Tilt	Fragment	Investigate
H4.2		"Children of Bethiah"	2	Tilt	Fragment	
E2.2	Woodbridge	Dudley	2	Tilt		
E7.1	(3 markers)	Grafton	2	Tilt		
E8.3	Sluman	Franklin	2	Tilt		
F9.1	Rose	Eliza	2	Tilt		
G6.2	Ramsdall	Allen & George	2	Tilt		
G6.4	Jayne	Priseilla	2	Tilt		
H1.2	P.	M.	2	Tilt		
H7.1	n.a.		2	Tilt		
H7.3	Hart	Mary	2	Tilt		
K8.1	Jefferds	Samuel	2	Tilt		
F2.1		Mason	2	Tomb	Repoint	Consolidate
I7.1	H.	M.	2		Delamination	Investigate
J9.1	n.a.		2		Fallen	Investigate
D5.1	Hunt	William	2		Fractured, metal	Investigate
I4.4	Pitman	Simmons	2		Fragment	Locate

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**Priority 2.5–** Tilted markers more than 15 degrees and/or fragmented markers  
Conservation treatments should be done within 3 years

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C5.1	n.a		2.5	Fragment	Delamination	Investigate
C7.1	Willard	Jane	2.5	Tilt		
C7.3	Willard	Jane	2.5	Tilt		
D6.2	Bowditch	Josiah	2.5	Tilt		
D7.1	Buttolph	John	2.5	Tilt		
D8.1	Ward	Benjamin	2.5	Tilt		
E5.1	Rodgers	John	2.5	Tilt		
E6.1	Felt	Abigail	2.5	Tilt		
F5.2	Patterson	Capt. William	2.5	Tilt		
G1.1	Brown	Thomas	2.5	Tilt		
G6.1	Parkman	Susannah	2.5	Tilt		Reset higher
G6.5	Hodges	George	2.5	Tilt		
G7.2	R. (ramsdall)	W. (William)	2.5	Tilt		
H10.1	n.a.		2.5	Tilt		
H7.5	Muckford	George & Eben	2.5	Tilt		
I4.2	Adams	Mary	2.5	Tilt		
I4.3	Hilliard	Margaret	2.5	Tilt		
I7.2	Pitman	Tho's	2.5	Tilt		
I8.1	Beckett	Mary & Hannah	2.5	Tilt		
I8.2	Ward	Sarah	2.5	Tilt		
I8.3	Ward	Hannah	2.5	Tilt		Clean
I8.3	Ward	Deac Myers	2.5	Tilt		
I9.1		SG, MG, MG	2.5	Tilt		
I9.2		Betsy	2.5	Tilt		
J7.1	Rodgers	George	2.5	Tilt		Restorable?
E1.1		George	2.5		Fragment	Investigate
J3.2	Bethell	Hannah	2.5		Fragment	reset higher

**Priority 3– Delamination (only)**

The complete detachment of sedimentary stones; slates, sandstones and less frequently marbles, caused by delamination is a relatively slow process.

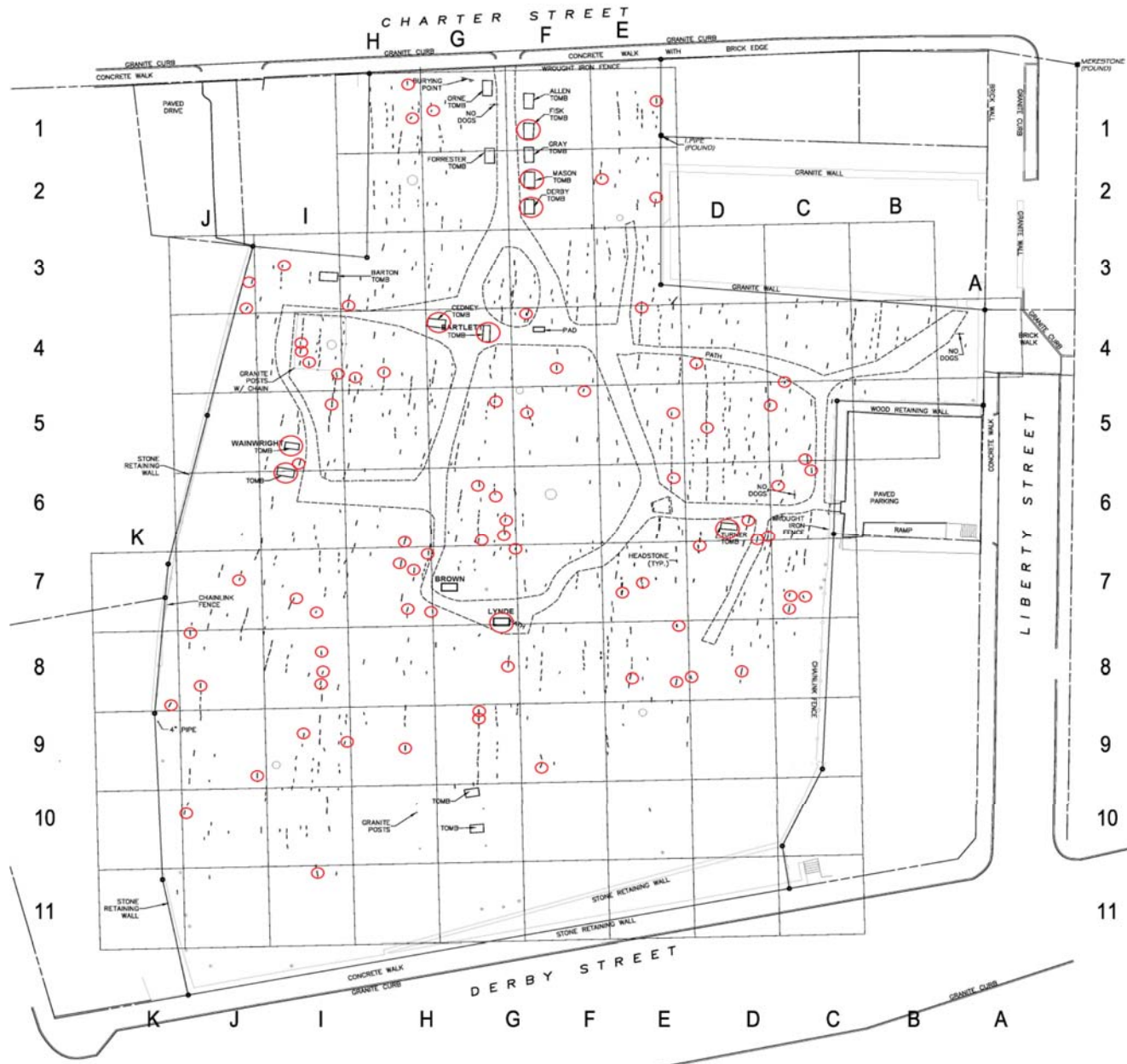
Conservation treatments can be applied within 3 to 5 years.

C5.2	King	Katherine	3	Delamination	
D6.4	S.B & Capt. T.B.		3	Delamination	Loss
E4.1	Hathorne	Sarah	3	Delamination	
E4.2	Hathorne	John	3	Delamination	
E8.2	n.a.		3	Delamination	Clean
F4.1	Symonds	Elizabeth	3	Delamination	
F4.2	Higginson	Sarah	3	Delamination	
G5.1	Millet	Sally	3	Delamination	
G8.1	Herbert	Elisabeth	3	Delamination	
G9.1	Mansfield	Joseph	3	Delamination	
G9.2	Brown	Timothy	3	Delamination	
H4.1	Turner	Isaac	3	Delamination	
H6.1	Seldon	Capt. Richard	3	Delamination	
I3.1	Swinnerton	John	3	Delamination	
I5.1	Barnard	Rachel	3	Delamination	



Markers and Tombs circled in red require conservation treatments. Alpha and numeric cross reference identification. Decimal point after the cross reference indicates a specific marker within that grid. (e.g H7.3).

See enclosed large format location map for precise Locations.



### 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.



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



*Typical slate marker, benefitting from cleaning*



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.

### 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..*

## **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.



*Old base removed and inspected for soundness*



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



*Old base reset higher and aligned with adjacent markers*

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

## 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.



*Formwork for new base*

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.



*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 (3:2:8) 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*

## Table Tombs– Resetting

For larger markers and table tombs, which can weigh many hundreds of pounds, lifting and resetting can be the most difficult and expensive portion of the operation. This work requires the careful use of hoisting equipment.

Restoration mortars used are typically color matched to the monuments.



*Example of re-setting a large ledger top with mortar onto tomb base with the aid of scaffolding and chain hoists*



*When necessary, the tomb is taken apart and re-constructed.*



### **Table Tombs– Resetting Continued**

If the tops of table tombs are loose they present a hazard to inquisitive passerby's and should be made secure. If it is likely that the tomb will be taken apart sometime in the future a pigmented pozzolanic hydraulic lime (typically #600 PHLc70 by Voidspan) is used to set the ledger top.

If there is little or no likelihood of removing the top in the future, the top can be set using a structural adhesive (Abatron 55-22)



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



*F2.2 Derby Tomb. This top will be reset with a pozzolanic hydraulic lime (typically #600 PHLc70 by Voidspan). The mortar can be removed if the tomb has to be dismantled in the future*

## Table Tombs—Repointing

Open and failed joints in the granite block bases should be cleaned of loose material and sand re-pointed with a 1:1:6 mix with masonry sand, or with #200 Mortar Binder (Voidspan) with masonry sand



*F2.1 Mason Tomb with open joints*



*Old mortar and caulk*



*Joints cleaned with hand tools*



*Example showing  
repointing with 1:1:6  
with masonry sand*

### **Table Tombs - Deteriorating Stucco**

There are a number of tombs exhibiting typical conditions of deteriorating stucco.

All existing loose, failing or spalling stucco is to be removed and a bonding agent applied to all surfaces. Applications of stucco (1:1:6 with masonry sand) are applied and repeated when required.

If only stucco patching is necessary, entire base to be white-washed.



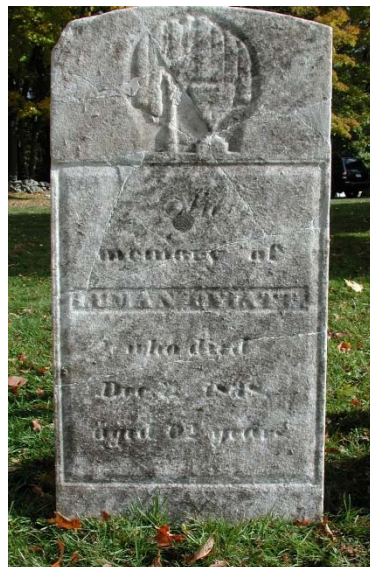
*16.1 Bradstreet Tomb . Deteriorating stucco and loose top*



*Before and after, New stucco applied to base (top restored)*

**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.



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.

**Example of bracing and clamping**

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)

**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 Silin (Cathedral Stone Products, Inc.), 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 a marble-based repair composite designed to match the appearance of weathered surfaces. Most fine cracks can be filled with pigmented #400 PHLc Crack Filler (Voidspan), 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



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

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.

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

**Consolidation**

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

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

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

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

**Marbles:** Marbles requiring consolidation should first be treated with HCT, a hydroxylating conversion treatment (Prosoco Inc) which protects and strengthens weathered surfaces. If required, marbles can be additionally consolidated with one cycle of OH100.



*G4.1 Gedney Tomb. The top should be consolidated and after sufficient curing, losses and cracks filled with the appropriate materials.*

### **Delaminations– Slate**

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

Because slates have such extreme temperature variations, their continual expansion and contraction will eventually loosen any solid fills or grouts. Thus, many solid fills will fail within a short period of time. What appears to be a simple treatment is actually quite challenging. Recent successful treatments have been with industrial flexible fillers.

Depending on the individual circumstances, materials and recommendations for stabilization can vary widely.

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

In “capping” a marker with delaminations, the voids are usually filled along the top side of the marker only. The sides are kept open to allow the escape of any water that may enter the interior. A pigmented flexible crack filler by STO can be used to fill openings up to 1/8” wide.

For larger voids, a pigmented PHLc Grout ( a pozolanic hydraulic lime manufactured by VoidSpan) can be used as a flowable grout.



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



*A pigmented Sto Crack Filler being tooled into an open face crack*



*Filling voids with a pigmented flowable grout (VoidSpan PHLc)*



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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

**Sto Flexible Crack Filler**

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

**VoidSpan PHLc**

VoidSpan Technology  
34 Boardman St  
Salem MA 01970

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: n.a. Material: Slate

**EXISTING CONDITIONS**

Fragment, Tilted  
Delaminating

**CONSERVATION STRATEGY**

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

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are found a new below grade cast concrete base may 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.
2. If required, re-square the lower edge of marker frag. with min. loss.
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.
4. Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.

Comments:

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Marker# **C5.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Katherine King**

Death Date: 12/15/1718 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Delaminating	Clean all voids Fill voids and cracks caused by delaminations
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Conservation Priority: 3

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **C5.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **William & Elianor Hollingworth**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fractured Tilted	Attach fragments with structural adhesive Reset plumb Possible new below base
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Conservation Priority: 1.5
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**RECOMMENDED TREATMENT**

1. Carefully excavate setting area and remove marker fragments from ground. If an existing base is found intact reset base level and plumb.
2. Attach fragments with structural adhesive, clamp and brace until cured. Fill cracks with pigmented PHLc Crack Filler (Voidspan)
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 marker plumb directly into setting area aligned with adjacent markers.
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. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Adhesive repair and reset in 1993**

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Marker# **C5.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Sarah**

Death Date: Marker Type: Headstone ?

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Tilted Delaminating	Investigate— Reset higher Reset plumb Possible new below base Fill voids caused by delaminations
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Conservation Priority: 2.0

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.
7. Large voids filled with a pigmented PHLc flowable grout

Comments:

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Marker# **C6.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Elizabeth Bowditch**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted  
Delaminating**

**Reset plumb  
Possible new below base  
Fill voids caused by delamina-  
tions**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.
7. Large voids filled with a pigmented PHLc flowable grout

Comments: **Reset in 1993**

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Marker# **C6.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Jane Willard**

Death Date: 4/25/1726 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Sandstone

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted** **Reset plumb**  
**Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Inscription has been recarved**

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Marker# **C7.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Dea. Josiah Willard**

Death Date: Marker Type: Footstone?

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen Fragment	Investigate– restorable? Reset plumb Possible new below base
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Conservation Priority: 1.5

### RECOMMENDED TREATMENT

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments: In 1998 listed to be reset into new base

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Marker# **C7.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Jane Willard**

Death Date: Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **C7.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Fallen Fragment	Investigate– restorable? Reset plumb Possible new below base
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Conservation Priority: 1.5

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with PHLc Crack Filler (Voidspan), fill larger losses with max white Jahn M70 (Cathedral Stone)

Comments:

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Marker# **D4.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **William Hunt**

Death Date: 9/19/1780 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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<b>Metal strap Fragmented</b>	<b>If marker is stable leave as is. If unstable: Remove metal strap Attach fragments with structural adhesive</b>
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<b>Conservation Priority: 2</b>
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**RECOMMENDED TREATMENT**

Establish if marker fragments and metal brace are stable.

If not stable:

1. Carefully excavate area around smaller fragment and remove marker fragment from ground.
2. Remove metal straps and bolts
3. Clean mating edges and attach fragments with structural adhesive, clamp and brace until cured.
4. Remove excess epoxy with hand chisels within 24 hours
5. Fill cracks and losses with pigmented PHLc Crack Filler (Voidspan).
6. Mist filled areas with water and keep covered for 3 days minimum

Comments:

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Marker# **D5.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER

**Turner Tomb**

Death Date:

Marker Type: Tomb

Cond. of Inscription: Decipherable

Material: Marble/Granite

**EXISTING CONDITIONS**

**CONSERVATION STRATEGY**

Top loose and out of plane  
with base  
Weathered ledger

Secure top with structural adhesive.  
Treat top with HCT

Conservation Priority: 1

**RECOMMENDED TREATMENT**

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

Comments:

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Marker# **D6.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Josiah Bowditch(?)**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **D6.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Thomas Beadle**

Death Date: Marker Type: Footstone?

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted  
In pathway

Reset plumb— off pathway  
Possible new below base

Conservation Priority: 1

**RECOMMENDED TREATMENT**

Note: Existing location in pathway is hazardous. Setting location to be determined

1. 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.
2. 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.
3. 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
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade

Comments:

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Marker# **D6.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **S.B. & Capt. T.B.**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
<b>Delaminating Loss</b>	<b>Clean all voids Fill voids and cracks caused by delaminations Fill loss</b>
<b>Conservation Priority: 3</b>	

### RECOMMENDED TREATMENT

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, loss filled with Jahn pigmented M70, mist with water and cover for 3 days min.

Comments:

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Marker# **D6.4**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER

**John Buttolph**

Death Date:

Marker Type: Headstone

Cond. of Inscription: Decipherable

Material: Slate

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

Tilted

Reset plumb  
Possible new below base  
Reset Higher

Conservation Priority: 2.5

<h3>RECOMMENDED TREATMENT</h3> <ol style="list-style-type: none"><li>1. 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>2. 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>3. 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>4. If required, re-square the lower edge of marker frag. with min. loss.</li><li>5. 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>6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.</li></ol>
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Comments:

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Marker# D7.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Benjamin Ward**

Death Date: 8/11/1806 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted

Reset plumb  
Possible new below base

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **D8.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER

**Joseph**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

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

Fallen, overgrown

Investigate if restorable  
Reset plumb  
Possible new below base

Conservation Priority: 2

RECOMMENDED TREATMENT
-----------------------

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

1. If marker is sound and adequate fragments are found a new below grade cast concrete base may 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.
2. If required, re-square the lower edge of marker frag. with min. loss.
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.
4. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# D8.2

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **George**

Death Date: Jan. Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Fractured  
Out of ground**

**Investigate  
Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments:

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Marker# **E1.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **John Brown**

Death Date: 12/23/1783 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted** **Reset plumb**  
**Possible new below base**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **E2.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Dudley Woodbridge**

Death Date: 1771 Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Reset in 1995**

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Marker# **E2.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Sarah Hathorne**

Death Date: 1/14/1829 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **E4.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **John Hathorne**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Delaminating	Clean all voids Fill voids and cracks caused by delaminations
--------------	--

Conservation Priority: 3

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments: **Listed to cap in 1998**

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Marker# **E4.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER

**John Rodgers**

Death Date: 11/1715 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Reset in 1993**

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Marker# **E5.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Abigail Felt**

Death Date: 11/12/1748 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted

Reset plumb  
Possible new below base  
Reset higher

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **E6.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Grafton (3 markers)**

Death Date: Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted– 3 adjacent markers      Three markers:  
Reset plumb  
Possible new below base

Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **E7.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Jehoadan Grafton**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Tilted  
Fractured**

**Structural adhesion  
Reset plumb  
Possible new below base**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. Carefully excavate setting area and remove marker fragments from ground. If an existing base is found intact reset base level and plumb.
2. Attach fragments with structural adhesive, clamp and brace until cured. Fill cracks with pigmented PHLc Crack Filler (Voidspan)
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 marker plumb directly into setting area aligned with adjacent markers.
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. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **E7.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER "36th year of her age"

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

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

Fallen, overgrown	Investigate if restorable Reset plumb Possible new below base
-------------------	---

Conservation Priority: 2

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are found a new below grade cast concrete base may 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.
2. If required, re-square the lower edge of marker frag. with min. loss.
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.
4. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# E8.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
Biological growth Delaminating	Clean all voids Fill voids and cracks caused by delaminations
Conservation Priority: 3	

#### RECOMMENDED TREATMENT

1. Treat all surfaces and open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout

Comments:

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Marker# **E8.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Franklin Sluman**

Death Date: 10/18/1925 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **E8.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Fisk Tomb**

Death Date:

Marker Type: Tomb

Cond. of Inscription: Illegible

Material: Marble/Granite

**EXISTING CONDITIONS**

**CONSERVATION STRATEGY**

Top loose and out of plane  
with base

Weathered ledger

Missing fragment

Conservation Priority: 1

Secure top with structural adhesive.

Treat top with HCT

**RECOMMENDED TREATMENT**

1. Position top in line with granite base and attach with structural adhesive placed around edge. (Abatron 55-22)
2. Treat top with 3 saturating applications of HCT, (Prosoco) a hydroxylating conversion treatment to consolidate the surface
3. Fragment appears to be missing. Unless it is found no replacement work to be done

Comments:

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Marker# **F1.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER

**Mason Tomb**

Death Date:

Marker Type: Tomb

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

#### EXISTING CONDITIONS

#### CONSERVATION STRATEGY

Open mortar joint  
Sandstone delaminating

Repoint granite masonry  
Consolidate sandstone ledger  
and fill losses.

Conservation Priority: 2

#### RECOMMENDED TREATMENT

1. Treat sandstone with Consolidant OH 100 (Prosoco) 3 cycles of 3 applications.
2. After min 45 day cure fill losses with cementitious restoration mortar, pigmented Jahn M70 (Cathedral Stone)
3. Granite blocks to be repointed with PHLc Mortar binder (a pozzolan lime base binder by Voidspan) and local sand.

Comments:

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Marker# **F2.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Derby Tomb**

Death Date:

Marker Type: Tomb

Cond. of Inscription: Partially Decipherable Material: Marble/Granite

#### EXISTING CONDITIONS

Top loose from base  
Mortar joints failing  
Lower granite block out of  
plane  
Conservation Priority: 1

#### CONSERVATION STRATEGY

Secure top to base  
Repoint failed joints  
Investigate lower block

#### RECOMMENDED TREATMENT

1. Set marble top to granite blocks with PHLc Mortar binder (a pozzolan lime base binder by Voidspan) and local sand.
2. Clean joints and re-point granite blocks with PHLcMortar
3. Investigate out of plane lower block.

Note: It is not known if the dislocation is stable or continuing.

If it is determined that the alignment of the block would necessitate the complete dismantling of the tomb take measurements and monitor block for additional movement every 3– 5 years.

Comments:

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Marker# **F2.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Elizabeth Symonds**

Death Date: 10/15/1814 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Delaminating	Clean all voids Fill voids and cracks caused by delaminations
--------------	--

Conservation Priority: 3

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **F4.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Sarah Higginson**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Delaminating	Clean all voids Fill voids and cracks caused by delaminations
--------------	--

Conservation Priority: 3

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **F4.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Nicholas Chatwel (?)**

Death Date: 10/1700 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Metal strap  
Fractured**

**Remove metal strap  
Attach fragments with structural  
adhesive**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. Remove metal strap
2. Clean mating edges and attach fragments with structural adhesive, clamp and brace until cured.
3. Remove excess epoxy with hand chisels within 24 hours
4. Fill cracks and losses with pigmented PHLc Crack Filler (Voidspan).
5. Mist filled areas with water and keep covered for 3 days minimum

Comments:

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Marker# **F5.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Capt. William Patterson**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: In 1998 listed to be reset

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Marker# **F5.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Eliza Rose**

Death Date: 9/19/1801 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: In 1998 listed to be reset

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Marker# **F9.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Thomas Brown**

Death Date: 1793 Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Reset into new base 1995**

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Marker# **G1.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER

**Gedney Tomb**

Death Date: Marker Type: Tomb

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

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

Sandstone delaminating  
Stucco failing

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

Conservation Priority: 1

**RECOMMENDED TREATMENT**

1. Treat sandstone with Consolidant OH 100 (Prosoco) 3 cycles of 3 applications.
2. After min 45 day cure fill losses with cementitious restoration mortar, pigmented Jahn M70 (Cathedral Stone)
3. Clean stucco surfaces and remove any loose, failing, or spalling stucco.
4. Apply bonding agent to existing surfaces.
5. Patch existing stucco (cement/lime/sand)
6. Apply whitewash to stucco surfaces. (Voidspan white-wash)

Comments:

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Marker# **G4.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER

**Bartlett Tomb**

Death Date:

Marker Type: Tomb

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

#### EXISTING CONDITIONS

Old repair to ledger  
Stucco failing

Conservation Priority: 1

#### CONSERVATION STRATEGY

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

#### RECOMMENDED TREATMENT

1. If top is loose secure to base with mortar.
2. Investigate old fracture on ledger top, re-attach if required with structural adhesive. Fill cracks with pigmented Void Span crack filler.
3. Clean stucco surfaces and remove any loose, failing, or spalling stucco.
4. Apply bonding agent to existing surfaces.
5. Patch existing stucco (cement/lime/sand)
6. Apply whitewash to stucco surfaces. (Voidspan white-wash)

Comments:

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Marker# **G4.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Sally Millet**

Death Date: 2/23/1830 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments: **Listed in 1998 to be capped and reset**

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Marker# **G5.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Susannah Parkman**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base Reset higher
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **G6.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Allen & George Ramsdall**

Death Date: 5/25/1800 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **G6.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Huldah Ramsdall(?)**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Tilted Fragmented	Investigate Probe for fragments Reset plumb Possible new below base
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Conservation Priority: 2.0

**RECOMMENDED TREATMENT**

1. Carefully excavate marker. Brush clean and inspect for soundness. Probe area for additional fragments. Evaluate restoration procedures if fragments are not found.
2. If fragments are found attach with structural adhesive.
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 marker plumb directly into setting area aligned with adjacent markers.
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.
5. If required, re-square the lower edge of marker frag. with min. loss.
6. 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.
7. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **This marker was noted "ad rep" in 1998 report.  
Apparently fragments were available at that time.**

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Marker# **G6.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Priseilla Jayne**

Death Date: Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Mower damage**

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Marker# **G6.4**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **George Hodges**

Death Date: Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Tilted	Reset plumb Possible new below base Clean
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
7. Treat surfaces with D/2, scrub w/ nylon brushes, rinse w/ water

Comments:

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Marker# **G6.5**

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Lynde Tomb**

Death Date:

Marker Type: Tomb

Cond. of Inscription: Illegible

Material: Marble/Granite

**EXISTING CONDITIONS**

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

Conservation Priority: 1

**CONSERVATION STRATEGY**

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

**RECOMMENDED TREATMENT**

1. Dismantle fragmented top and attach pieces with structural adhesive (Abatron 55-22), clamp and brace until cured, remove excess epoxy with hand chisels within 24 hours
2. Fill small cracks and losses with pigmented Voidspan PHLc Fine Pointing Mortar. Fill large losses with pigmented Jahn products.
3. Level top of granite base and reset top level onto new mortar
4. Reset loose granite block and repoint all mortar joints
5. Stabilize loose bricks and stucco in rectangular plaque area, replace as necessary
6. Stucco plaque areas on both sides, inset the face of the stucco from the granite .

Comments:

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Marker# **G7.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **W. (William) R. (Ramsdall)**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **G7.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Elisabeth Herbert**

Death Date: 10/23/1772 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

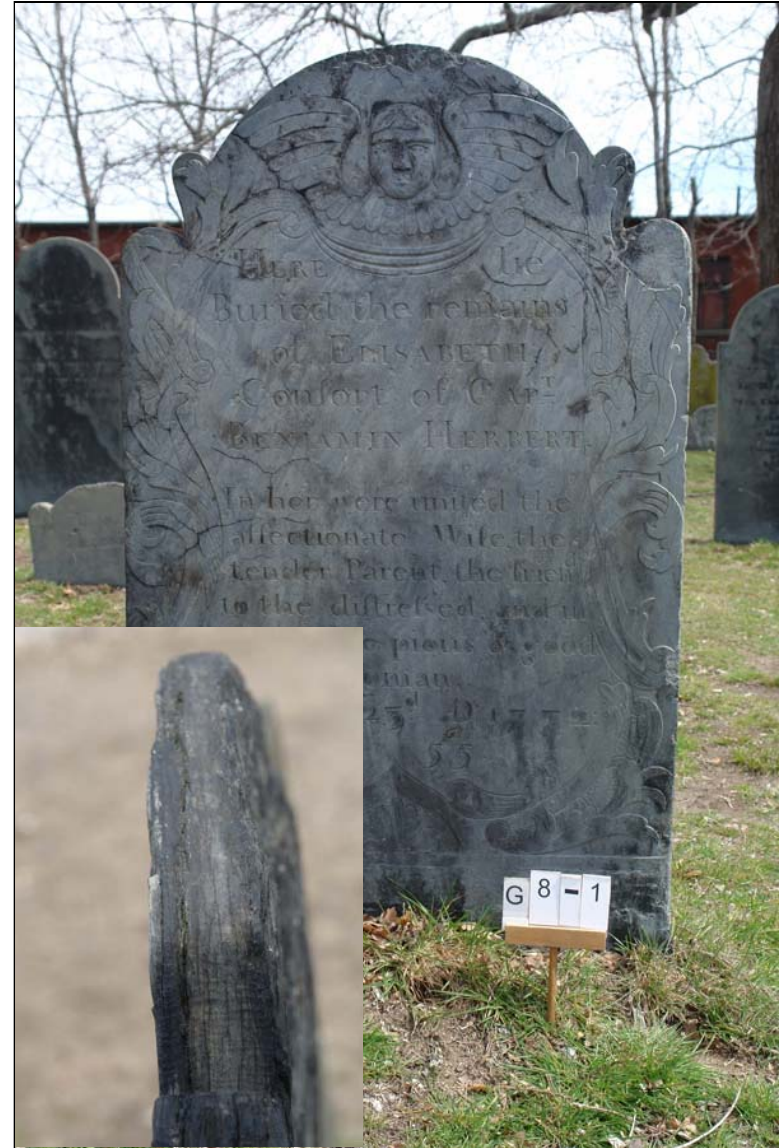
**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **G8.1**

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Joseph Mansfield**

Death Date: 2/16/1820 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **G9.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Timothy Brown**

Death Date: 3/11/1808 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **G9.2**

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Elizabeth Millet**

Death Date: May 1773 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Fractured  
Failed backing**

**Attach fragments with structural  
adhesive  
Determine if backing is required.**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. Carefully excavate marker. Brush clean and inspect for soundness. Probe area for additional fragments.
2. Remove later slate backing. Clean all surfaces and attach fragments with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs. determine if backing is required. If so, attach with structural adhesive.
3. If a new below grade cast concrete base is 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
7. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments: **Adhesive repair and reset in 1995**

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Marker# **H1.1**

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**M. P.**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **H1.2**

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Susannah Babbidge**

Death Date: 6/2/1804 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted  
Delaminating**

**Reset plumb  
Possible new below base  
Fill voids caused by delamina-  
tions**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.
7. Large voids filled with a pigmented PHLc flowable grout

Comments: **Cleaned and "capped" in 1994**

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Marker# **H3.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Isaac Turner**

Death Date: 8/17/1754 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

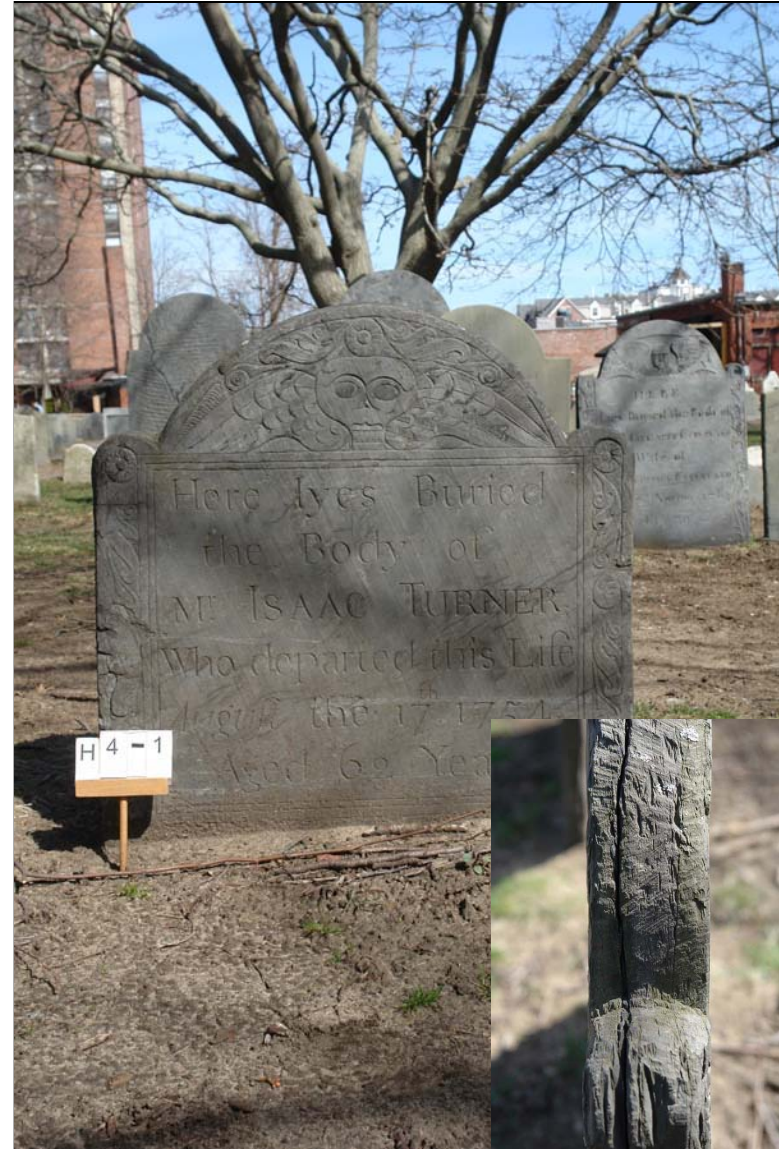
**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **H4.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER "Children of Bethiah"

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

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

Tilted Losses	Reset plumb Possible new below base Patch losses
------------------	--

Conservation Priority: 2.0

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. If unsound material or inadequate height is found, a new below grade cast concrete base will be required
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Remove debris and clean areas of loss, after full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler
7. Excess crack filler immediately removed with damp sponging.
8. Large voids and losses filled with a pigmented Jahn M70 mortar.

Comments:

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Marker# H4.2

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Capt. Richard Seldon**

Death Date: 1/29/1801 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **H6.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Almost illegible Material: Marble

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **H7.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Illegible Material: Marble

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

Tilted Fragmented	Investigate Attach fragments Reset plumb Possible new below base
----------------------	---

Conservation Priority: 1.5

### RECOMMENDED TREATMENT

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with PHLc Crack Filler (Voidspan), fill larger losses with max white Jahn M70 (Cathedral Stone)

Comments:

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Marker# **H7.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Mary Hart**

Death Date: 2/15/1800 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **Reset in 1993**

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Marker# **H7.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Capt. Robert Seldon**

Death Date: 9/4/1797 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

EXISTING CONDITIONS	CONSERVATION STRATEGY
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Tilted Fractured	Reset plumb Attach fragments with structural adhesive Possible new below base
---------------------	--

Conservation Priority: 1

**RECOMMENDED TREATMENT**

1. Carefully excavate marker fragments. Brush clean and inspect for soundness. Probe area for additional fragments.
2. Clean all surfaces and attach fragments with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
3. If a new below grade cast concrete base is 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
7. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments: **Adhesive repair and reset in 1995**

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Marker# **H7.4**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **George & Eben Peel Muckford**

Death Date: 9/2/1801 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **In 1998 listed to be capped and reset**

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Marker# **H7.5**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **John Nourse**

Death Date: Marker Type: Footstone?

Cond. of Inscription: Partially Decipherable Material: Sandstone

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

Tilted Fragmented	Investigate Reset plumb Possible new below base
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Conservation Priority: 2

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments: In 1998 listed to be reset into new base

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Marker# H9.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Footstone

Cond. of Inscription: Illegible Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **H0.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **John Swinnerton**

Death Date: 1/6/1690 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **I3.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Mary Phippen**

Death Date: 3/19/1722/3 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted  
Delaminating**

**Reset plumb  
Possible new below base  
Fill voids caused by delamina-  
tions**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.
7. Large voids filled with a pigmented PHLc flowable grout

Comments:

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Marker# **14.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Mary Adams**

Death Date: Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 14.2

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Margaret Hilliard**

Death Date: 5/4/1826 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **14.3**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Simmons Pitman**

Death Date: Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Fragmented  
Out of ground**

**Investigate  
Attach fragments with structural  
adhesive  
Possible new below base**

**Conservation Priority: 2**

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments:

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Marker# **14.4**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Rachel Barnard**

Death Date: 8/30/1743 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Delaminating**

**Clean all voids  
Fill voids and cracks caused by  
delaminations**

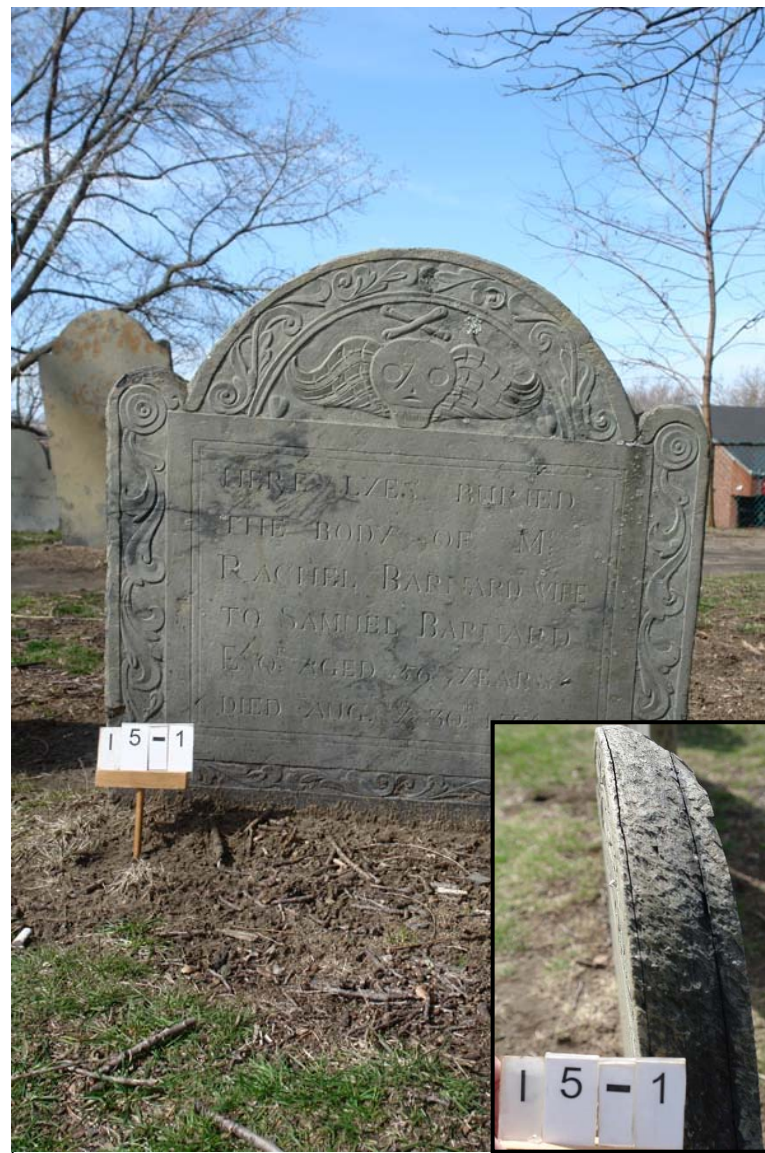
**Conservation Priority: 3**

**RECOMMENDED TREATMENT**

1. Treat all open voids with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water. Flush interior voids with water and remove any lichens and/or debris with hand tools.
2. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower sides of monument typically left open to allow escape of any water which may enter.
3. Excess crack filler immediately removed with damp sponging.
4. Large voids filled with a pigmented PHLc flowable grout, mist with water and cover for 3 days min.

Comments:

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Marker# **15.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Wainwright Tomb**

Death Date:

Marker Type: Tomb

Cond. of Inscription: Decipherable

Material: Sandstone/stucco

**EXISTING CONDITIONS**

Old repair to ledger  
Stucco failing

Conservation Priority: 1

**CONSERVATION STRATEGY**

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

**RECOMMENDED TREATMENT**

1. If top is loose secure to base with mortar.
2. Investigate old fracture on ledger top, re-attach if required with structural adhesive. Fill cracks with pigmented Void Span crack filler.
3. Clean stucco surfaces and remove any loose, failing, or spalling stucco.
4. Apply bonding agent to existing surfaces.
5. Patch existing stucco (cement/lime/sand)
6. Apply whitewash to stucco surfaces. (Voidspan white-wash)

Comments:

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Marker# 15.2

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Mary Higginson**

Death Date: 3/9/1708/9 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted

Reset plumb  
Possible new below base

Conservation Priority: 1.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 15.3

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Simon Bradstreet Tomb**

Death Date: Marker Type: Tomb

Cond. of Inscription: Illegible Material: Sandstone/stucco

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

Failing stucco

Investigate if top is secure to base  
Patch failed stucco  
Whitewash all stucco surfaces.

Conservation Priority: 1

RECOMMENDED TREATMENT
-----------------------

1. If top is loose secure to base with mortar.
2. Clean stucco surfaces and remove any loose, failing, or spalling stucco.
3. Apply bonding agent to existing surfaces.
4. Patch existing stucco (cement/lime/sand)
5. Apply whitewash to stucco surfaces. (Voidspan white-wash)

Comments:

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Marker# 16.1

Charter Street Cemetery Salem, MA

NAME ON MARKER **M. H.**

Death Date: Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS**

Fragment leaning against  
marker  
Delaminating

Conservation Priority: 2

**CONSERVATION STRATEGY**

Investigate marker and fragment.  
Clean all voids  
Reset as necessary  
Fill voids and cracks caused by  
delaminations

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with D/2 biological solution and scrub with nylon brushes. Repeat as necessary. Rinse with water . Flush interior voids with water and remove any lichens and/or debris with hand tools.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a pigmented Sto Crack Filler using injection syringes and/or trowels. Voids along the lower edges of monument typ. left open to allow escape of any water which may enter.
6. Excess crack filler immediately removed with damp sponging.
7. Large voids filled with a pigmented PHLc flowable grout

Comments:

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Marker# 17.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Tho's Pitman**

Death Date: 1/17/1792 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted**

**Reset plumb  
Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **In 1998 listed to be reset**

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Marker# **17.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Mary & Hannah Beckett**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 18.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Sarah Ward**

Death Date: Marker Type: Footstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Tilted**  
**Reset plumb**  
**Possible new below base**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments: **In 1998 listed to be capped and reset**

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Marker# **18.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Hannah Ward**

Death Date: 12/30/1795 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted—2 markers	Both markers Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 18.3

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Deac. Myers Ward**

Death Date: Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted—2 markers

Both markers  
Reset plumb  
Possible new below base  
Clean

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
7. Treat surfaces with D/2, scrub w/ nylon brushes, rinse w/ water

Comments:

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Marker# 18.3

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **S.G., M.G., M.G.**

Death Date: Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 19.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Betsy**

Death Date: 5/20/1795 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
--------	--

Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# 19.2

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n..a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Marble

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

Tilted Delaminating	Reset plumb Possible new below base Fill voids caused by delaminations
------------------------	--

Conservation Priority: 2

**RECOMMENDED TREATMENT**

1. Excavate area around marker to an appropriate depth and remove stone from ground. If possible, re-set stone plumb at appropriate height and level onto gravel bed, and align with adjacent markers.
2. If a new below grade base is necessary for adequate resetting align forms with adjacent markers. If required, re-square the lower edge and reset marker plumb and level into slot using a plasticized cement/lime grout (3/2/9) with 000 sand .
3. Backfill area around marker (or new base) with existing tamped gravel and re-grade disturbed areas with existing topsoil.
4. Treat all surfaces with HCT (Prosoco) 3 applications.
5. After full drying, all voids caused by splitting or delaminations at top edge of marker filled with a Voidspona PHLc crack filler.
6. Excess crack filler immediately removed with damp sponging.
7. Mist filled areas with water and keep covered for 3 days minimum

Comments:

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Marker# **111.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER

**Beckett**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

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

Fractured Tilted	Attach fragments with structural adhesive Reset plumb Possible new below base
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Conservation Priority: 1.5

**RECOMMENDED TREATMENT**

1. Carefully excavate marker fragments. Brush clean and inspect for soundness. Probe area for additional fragments.
2. Clean all surfaces and attach fragments with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
3. If a new below grade cast concrete base is 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
7. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments:

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Marker# **J3.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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Charter Street Cemetery Salem, MA

NAME ON MARKER **Hannah Bethell**

Death Date: 12/22/1783 Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted  
Losses**

**Reset plumb  
Possible new below base  
Fill losses**

**Conservation Priority: 2.5**

**RECOMMENDED TREATMENT**

Carefully excavate marker. Brush clean and inspect for soundness.  
Probe area for additional fragments

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with pigmented PHLc Crack Filler (Voidspan), fill larger losses with pigmented Jahn M70 (Cathedral Stone)

Comments: **Reset and capped in 1995**

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Marker# **J3.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **George Rodgers**

Death Date: 1756 Marker Type: Footstone

Cond. of Inscription: Decipherable Material: Slate

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

Tilted	Reset plumb Possible new below base
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Conservation Priority: 2.5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **J7.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Samuel Barnard**

Death Date: 11/21/1769 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

**Tilted** **Reset plumb**  
**Possible new below base**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **J8.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **Susanah Clover**

Death Date: Marker Type: Headstone

Cond. of Inscription: Partially Decipherable Material: Slate

**EXISTING CONDITIONS      CONSERVATION STRATEGY**

**Fragmented  
Tilted  
Metal supports**

**Remove metal supports  
Structural adhesion  
Reset plumb  
Possible new below base**

**Conservation Priority: 1.5**

**RECOMMENDED TREATMENT**

1. Carefully excavate setting area and remove marker fragments from ground. If an existing base is found intact reset base level and plumb.
2. Attach fragments with structural adhesive, clamp and brace until cured. Fill cracks with pigmented PHLc Crack Filler (Voidspan)
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 marker plumb directly into setting area aligned with adjacent markers.
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. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **J8.2**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Fragment

Cond. of Inscription: Illegible Material: Marble

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

Fallen Fragment	Investigate if restorable Reset plumb Possible new below base
--------------------	---

Conservation Priority: 2

**RECOMMENDED TREATMENT**

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

1. If marker is sound and adequate fragments are found a new below grade cast concrete base may 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.
2. If required, re-square the lower edge of marker frag. with min. loss.
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.
4. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **J9.1**

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

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

Charter Street Cemetery Salem, MA

NAME ON MARKER **n.a.**

Death Date: Marker Type: Headstone

Cond. of Inscription: Illegible Material: Marble

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

Fragmented

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

Conservation Priority: 1.5

RECOMMENDED TREATMENT
-----------------------

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

1. If marker is sound and adequate fragments are discovered clean all surfaces and attach with structural adhesive, clamp and brace until cured. Remove excess adhesive with hand tools within 24 hrs.
2. If a new below grade cast concrete base is 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.
3. If required, re-square the lower edge of marker frag. with min. loss.
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.
5. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.
6. Fill cracks with PHLc Crack Filler (Voidspan), fill larger losses with max white Jahn M70 (Cathedral Stone)

Comments:

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Marker# J10.1

CONDITION ASSESSMENT Inspected by: IS+MJ 3/31/2016

Charter Street Cemetery Salem, MA

NAME ON MARKER **Samuel Jefferds**

Death Date: 2/15/1805 Marker Type: Headstone

Cond. of Inscription: Decipherable Material: Slate

**EXISTING CONDITIONS CONSERVATION STRATEGY**

Tilted  
Reset plumb  
Possible new below base

Conservation Priority: 2,5

**RECOMMENDED TREATMENT**

1. 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.
2. 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.
3. 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.
4. If required, re-square the lower edge of marker frag. with min. loss.
5. 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.
6. Backfill disturbed areas with tamped sand and gravel, re-grade with existing top soil.

Comments:

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Marker# **K8.1**