final report

WARRENSVILLE WEST CEMETERY

HISTORIC PRESERVATION MASTER PLAN

COMPLETED 03-14-2022

SHAKER HEIGHTS

Mannik Smith GROUP

EXECUTIVE SUMMARY

Surrounded by the sights and sounds of modern urban life, the Warrensville West Cemetery is a quiet oasis in the center of the City of Shaker Heights. The history of the Cemetery is closely associated with the early settlement of Warrensville Township, the short life of the North Union Colony of Shakers, and the twentieth-century development of Shaker Heights. Within its grounds are the physical remains of people whose lives helped shape the character and fabric of today's community. For its historical significance, the Cemetery was locally designated a Shaker Heights Landmark in 1976 and was listed as a contributing resource in the Shaker Village National Register Historic District in 1984.

The purpose of this Master Plan is to provide a framework for improving the landscape and amenities at the Cemetery, enhancing its placemaking potential, and preserving the historic features and character of the site. Development of the Plan was guided by several contributing partners, including City representatives and local stakeholders who represented a variety of community interests and subject experts. Working with the Planning Team, The Mannik & Smith Group, Inc. (MSG) was contracted to gather site data, document conditions, develop a landscape plan, and provide guidance for repair, maintenance, and development of the site.

At the project outset, MSG conducted ground penetrating radar (GPR) to identify the location of human remains or grave sites on the Cemetery grounds. The GPR survey located 134 burial sites, which were geolocated using the Global Positioning System (GPS), providing base maps for subsequent site planning. At the same time, MSG completed a comprehensive inventory of 170 gravestones in the Cemetery. The inventory includes a photograph, condition assessment, and recommendations for rehabilitation and maintenance of each monument. Priority levels are assigned to each monument, based on the urgency of attention needed.

Two workshops were held to provide guidance to community members and City Public Works employees on the care of the gravestones at Warrensville West Cemetery. Attendees were taught important skills for resetting, cleaning, and preserving the gravestones in a historically appropriate way (according to National Park Service standards).

Based on stakeholder input and the results of the GPR survey, a site/landscape plan for the Cemetery was developed by MSG. The goal of the plan is to preserve the historic site while providing a safe, park-like environment for community members to experience nature and learn about local history. The plan involves the creation of new entrances for better access to the site and the removal of overgrown and invasive vegetation to provide better visibility, preserve the gravestones, and build awareness of the space. Lawn care maintenance recommendations involve letting the existing turf grass grow and wildflowers to appear, creating a low-maintenance meadow which reflects the character of other historic rural cemeteries, as this one originally began. Benches can be placed throughout the cemetery, providing a place for visitors to enjoy the space. Interpretive signage and small posts with quick response codes can also be unobtrusively installed to provide information about the Cemetery and its inhabitants, as well as upcoming events.

Finally, suggestions for a comprehensive branding program – drawing from historical, spiritual, and natural aspects of the site – are also included in the Master Plan to enhance awareness of the Cemetery and encourage community engagement at the site.

PROJECT TEAM

CITY OF SHAKER HEIGHTS

TEAM MEMBERS	ROLE	DEPARTMENT
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Cameron Roberts AICP	Planner	Planning Department *

STAKEHOLDERS

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John Barber	Citizen Scientist Local Resident		
Kelly Coffman PLA, ASLA, LEED AP	Landscape Architect	✓	
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Crystal Montgomery	Historic Preservation Consultant Landmark Commission	✓	Northrup Grumman at NASA Glenn Research Center
Nancy Moore	Member: City Council, Tree Advisory Board, Landmark Commission	✓	City of Shaker Heights
David Tschantz	Property Manager	✓	Kingsbury Building Alpha Property Group
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MANNIK SMITH GROUP CONSULTANT TEAM

TEAM MEMBERS	ROLE	COMPANY
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* Project Client Group

SHAKER HEIGHTS

The Shaker Historical Society

SHAKER LIBRARY

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1.0 INTRODUCTION

1.1 Warrensville West Framework

The City of Shaker Heights (Shaker Heights), in partnership with the Shaker Historical Society and the Shaker Heights Public Library (Client Group), received a Certified Local Government (CLG) Grant from the Ohio History Connection in 2021 to develop a Historic Preservation Master Plan for Warrensville West Cemetery. The Request for Proposal (RFP) stated: *"The Plan for the cemetery will identify existing resources and create a framework to preserve, protect, and maintain the burial grounds' historical, archaeological, architectural, and cultural value, will increase the site's attractiveness, and will assure that maintenance and security are properly guided."*

The CLG application identified Warrensville West Cemetery as a local priority for preserving and promoting the history of Shaker Heights.

> "*This Plan is essential to provide historic research, documentation and survey (where possible) that clarify the site's history and importance, address needed repairs and maintenance, and provide preservation guidance. Once completed, the Plan will be available through the City's website, Shaker Heights Public Library, and the Shaker Historical Society. The Plan will also serve as a much-needed model for similar burial sites in Ohio as there is currently none.*
>
> *The City's Landmark Commission is committed to educating the community about burial site preservation and will review proposed changes to these sites, which hold a special value to the community and contribute to Shaker Heights' character. A Historic Preservation Master Plan for these burial sites will assure a comprehensive understanding and ensure their proper care, which will set a strong example of the city's commitment to historic preservation."*

A multidisciplinary team from The Mannik & Smith Group, Inc. (MSG) was selected through a competitive bidding and interview process to develop the Master Plan for Shaker Heights.

The project kicked off in September 2021 with a series of stakeholder meetings and fieldwork. Fieldwork included a Ground Penetrating Radar (GPR) survey of the cemetery (see Section 2.0) and a comprehensive inventory of monuments, headstones, footstones, and corner markers (see Section 3.0). All markers were catalogued, photographed, and mapped using the Global Positioning System (GPS). Initial findings and recommendations were presented to the Planning Team on September 22 and 23, 2021.

A second series of meetings were held on October 22 and 23, 2021 with Shaker Heights staff, stakeholders, Department of Public Works employees, and volunteers. This included two hands-on workshops, where participants were taught the proper methods and materials for stone cleaning (according to the *Secretary of the Interior's Standards for Treatment of Historic Properties*). Workshop participants cleaned fifteen stones and reset eight stones in the Warrensville West Cemetery.

The third and final meeting was held on December 8, 2021. This meeting was held via Zoom, and was part of the Landmark Commission's monthly meeting; the meeting was open to the public and recorded. An overview of the project was presented, along with recommendations for next steps and priorities.

1.2 Cemetery Goals

Goals for the Warrensville West Cemetery Historic Preservation Master Plan were developed to provide the following:

- Greater visibility
- Increased use of the Cemetery
- Improved access, including ADA
- Preservation and conservation of historic resources
- Branding / Historic interpretation
- Landscape enhancements

1.3 Background

The Warrensville West Cemetery is located on Lee Road near Van Aken Boulevard in Shaker Heights, Ohio. It is the second oldest burial ground in Cuyahoga County, and the oldest designated Landmark in Shaker Heights. It is just over one acre in size and surrounded by tall, dense vegetation, retaining walls, and fences. The history of the cemetery is closely associated with the early settlement of Warrensville Township, the short life of the North Union Shaker Community, and the twentieth-century development of Shaker Heights.

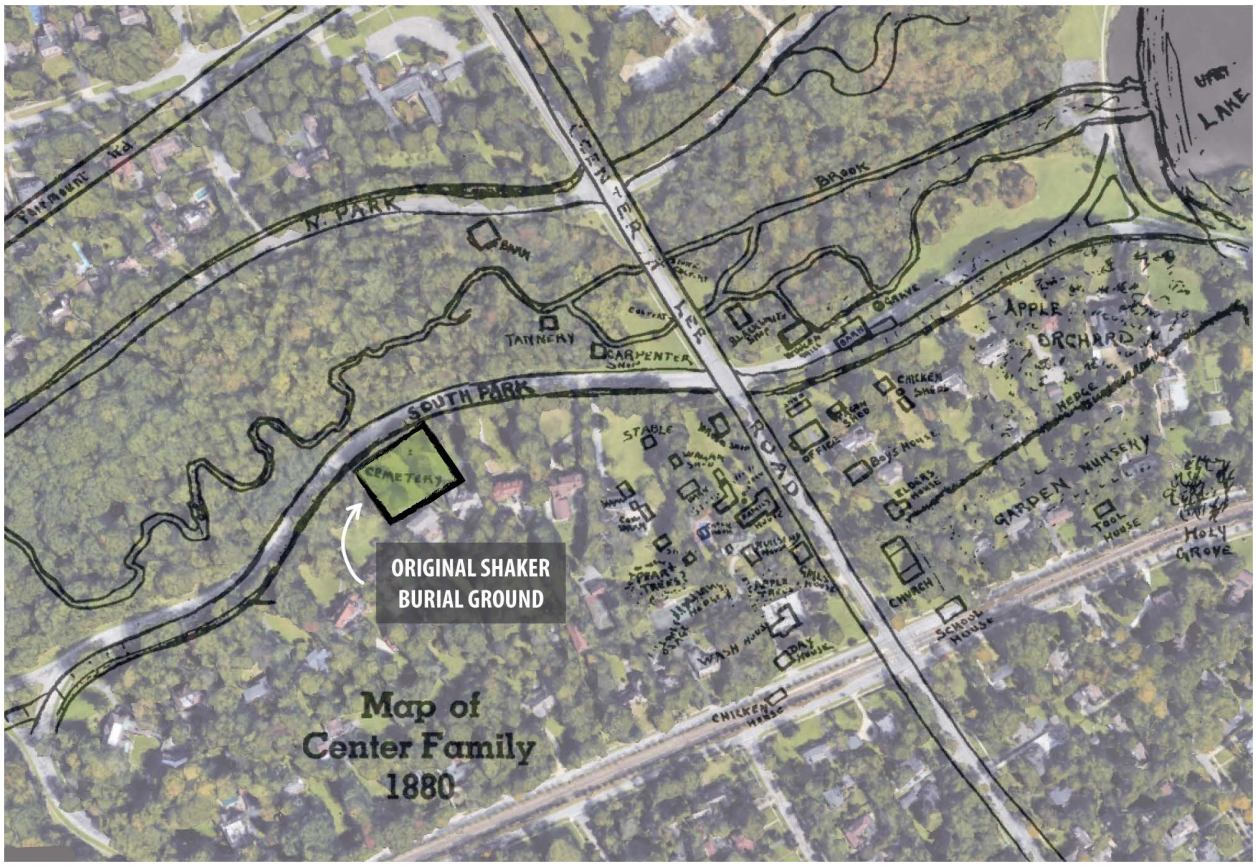
Shaker Burial Marker, Warrensville West Cemetery, and Detail

The first permanent non-indigenous settler in the township was Daniel Warren, who came to the Western Reserve with his wife Margaret (Prentiss) and their infant son, from Acworth, New Hampshire in 1808. The Warrens settled first in Lake County, then in Newburgh Township, and finally moved in 1810 to present-day Warrensville Township – their namesake – where they built a log cabin and cleared land for crops. In 1811, the couple's two-year-old daughter, Lovisa, died and was buried on a ridge at the edge of their property, the site of present-day Warrensville West Cemetery.[1]

Warren sold the burial site in 1812 to Asa Stiles, and the property was subsequently transferred to Warrensville Township for use as a community cemetery. Located on the east side of Lee Road, which is one of the earliest public roads on the west side of the Township, the burial ground was a community focal point and continued to be used by the Warren family, as well as other early, non-indigenous Township settlers and their descendants. As Warrensville's farming community flourished – especially after the opening of the Erie Canal in 1825 – new European settlers continued to arrive. In 1827, seventy families from the Isle of Man settled in the Warrensville area. Primarily farmers, they were also engaged in weaving, tanning, and other skilled trades, and became an integral part of the Warrensville community (and the greater Cleveland area). By the early 1900s, over half of the burials in the Warrensville West Cemetery were Manx descendants.

In 1822, the North Union Shaker Community had established a 1,400-acre farm on the site of present-day Shaker Heights (and surrounding area). The Shaker Community dissolved in 1889, and the farm land was later acquired by Oris and Mantis Van Sweringen in 1905. Recognizing the opportunity created by rapid industrial growth in nearby Cleveland, the Van Sweringen brothers planned to develop a garden city suburb on the former Shaker farm. The sale of lots began in 1905 and the construction of homes began in 1906.

[1] Warrensville East Cemetery is located at the corner of Halburton and Green Roads in Beachwood. Known today as the Beachwood Cemetery, the oldest burial there was in 1813. The land was deeded to the township by William Warren in 1853.



Hand drawn map of Center Family overlaid onto Google Earth capture
Original source: "Shaker Heights Then and Now" 1938, Shaker Heights Board of Education via chhistory.org

As part of their development plan, the Van Sweringens relocated the remains of North Union Shakers from the original Shaker Burial Ground on South Park Boulevard (shown above). The remains of 89 individuals were located and re-interred within a common grave at the Warrensville West Cemetery in 1909. A marker was placed on the site of the Shaker burials – mounted on a granite boulder that was taken from the original Shaker farm – by the Shaker Historical Society in 1949. The Shaker Historical Society later installed a freestanding marker that recognized the pioneer families, Manx settlers, veterans, and Shakers that are buried in the cemetery. The marker was dedicated on Memorial Day, 1959 (see cover page).

The cemetery was designated a local Landmark in 1976, and is a contributing resource in the Shaker Village National Register Historic District (listed in 1984).

1919 Photo, looking south on Lee Road

1935 Photo, looking northeast on Lee Road

1.4 Existing Conditions

Warrensville West Cemetery is located on the east side of Lee Road, north of Chagrin Boulevard. It can be accessed from the parking lot of Heinen's Grocery, 16611 Chagrin Boulevard. The cemetery is publicly owned and managed by the City of Shaker Heights. It is just over one acre in size.

The cemetery is surrounded by concrete and stone retaining walls on the west, south, and east sides, and by the Kingsbury Building – one of the early commercial/apartment buildings in Shaker Heights – on the north. It is assumed that the retaining walls are owned by the City. Dense vegetation lines the west and south sides, blocking all views into the cemetery. In fact, many locals are unaware of the cemetery's presence. In addition to the natural barriers, there is no formal access to the cemetery. Hopping off a retaining wall is required in most situations. Americans with Disabilities (ADA) access is nonexistent. Additionally, some of the retaining walls are leaning, and they should be inspected by a structural engineer.

There are 170 monuments and markers that were inventoried by the Consultant Group at the beginning of the work. There may be additional markers that will be discovered as existing, overgrown vegetation is removed. Particular attention should be paid when removing vegetation along the Lee Road and south property line frontages. To start, selectively remove plants and low tree branches with loppers and saws to expose ground conditions for closer observation. If monuments are not immediately evident, remove long grasses and debris, and cut the shrub or tree flush with the ground. Then carefully probe the ground with hand tools to minimize damage to unseen markers. If found, newly revealed markers should be carefully documented. All large tree removal or earth-disturbing work should be observed by a qualified archaeologist or historian who will know how and where to document new discoveries.

Based on historic photos, it appears that some markers are missing. Site observation revealed many monuments to be leaning and/or broken, and older limestone and sandstone markers in need of cleaning. Refer to Section 3.0 for more detail concerning materials and procedures for maintenance and repair.

There are only a few trees within the cemetery, including a combination of native and non-native species. In the interior portions of the cemetery, there are several clusters of overgrown roses and shrubs that may be concealing markers. Removal of shrubs should be done utilizing hand tools and a qualified observer, such as an archaeologist or historian. Replacement species should be native to northeast Ohio and selected for their hardiness and appropriateness to the design concept.

Warrensville West Cemetery, looking west

Warrensville West Cemetery, looking north

Markers in need of resetting

Markers concealed by vegetation

Retaining wall, west side (Lee Road)

Retaining wall, south side

Retaining wall, east side

2.0 GROUND PENETRATING RADAR

The purpose of the Ground Penetrating Radar (GPR) survey was to identify potential buried human remains within the Warrensville West Cemetery. Since buried human remains are not always marked with a monument or aligned with their respective monument, GPR was chosen as the preferred method of identifying buried human remains on this site. The GPR Survey Area is illustrated on the attached *GPR Survey Results Map*; the full GPR report can be found in ***Appendix A***. The GPR survey was conducted within the marked boundaries of the Warrensville West Cemetery, bounded by a building structure and metal fence to the north, a concrete retaining wall to the east, and shrubs and a concrete retaining wall to the south and west.

2.1 Ground Penetrating Radar Procedures

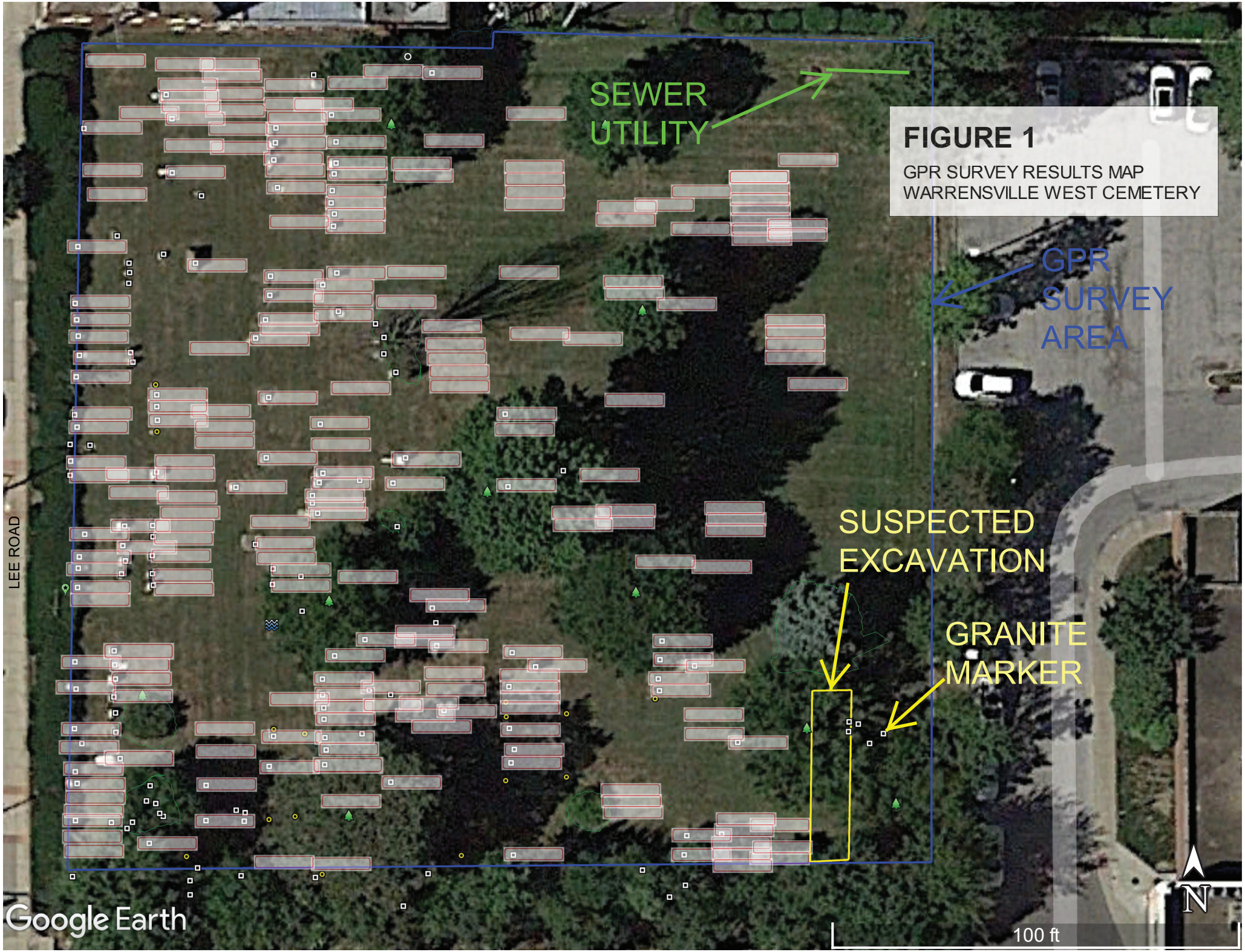
GPR operates by transmitting electromagnetic impulses (radio waves) into the subsurface and measuring the time for a reflected signal to return to the receiving antenna. A two-dimensional cross-section representing the subsurface response is generated in real-time as the GPR broadband dipole antenna is moved across the ground surface. Electromagnetic waves transmitted from the GPR propagate downward through the subsurface, reflect off subsurface boundaries, and return to the receiver antenna. GPR signals reflect back toward the ground surface depending on the contrast in the electrical properties of subsurface materials.

Important limitations to GPR performance are detecting small or deeply buried targets, as well as penetrating dense or conductive materials (i.e. moist clay, silty clay, weathered shale, slag, concrete, foundry sand, etc.), which cause signal attenuation (absorption). The recommended survey methodologies and equipment were selected to meet the project objectives; however, data interpretation is subjective and constrained by instrument limitations and site conditions, and therefore, is not guaranteed to be 100% accurate. Horizontal accuracy of the location of subsurface anomalies is approximately +/- 1 foot and the vertical accuracy is +/- 0.25 feet per foot of burial depth.

MSG conducted a GPR survey at the Site using a Geophysical Survey Systems, Inc. 4-wheel GPR system, from September 28 through September 30, 2021. The GPR system included a 400 megahertz (MHz) antenna and was used in conjunction with a SIR-3000 field computer for locating subsurface anomalies within the GPR survey area. A majority of the burials at the Site are oriented east-west in accordance with traditional Christian burial methods, thus the GPR survey grid was oriented approximately in the east-west and north-south directions, which are approximately perpendicular and parallel to the alignment of these burials. A two-foot survey grid was established over the 210 foot by 206 foot GPR survey area and the GPR was operated in a series of parallel lines (x,y-grid) over the GPR survey area, except for sections of the GPR survey area where additional detail was necessary and a one-foot survey grid was used. Portions of the cemetery were blocked by surface obstructions (trees, shrubs, burial monuments, fences, etc.) and GPR was not performed in these obstructed areas. GPR survey areas, detected anomalies, and reference surface features were surveyed with a Trimble Geo7X centimeter edition Global Navigation Survey System (GNSS) unit including a Zephy3 antenna. The survey grid was established using a measuring tape and distance recorded along the survey lines with the GPR odometer (+/- 0.1 feet). The GPR antenna was moved over the ground surface using the 4-wheel cart GPR system that acquired data at approximately 18 traces per foot. The depth of measurement was estimated using an approximate dielectric constant for clay soil (8.0). The interpretable depth of the GPR signal (signal floor) was limited to approximately six feet due to signal attenuation within the soils at the Site.

2.2 Ground Penetrating Radar Results and Conclusions

GPR is an effective means of characterizing the subsurface and the detection of buried anomalies and can provide a significant amount of detail about what is underground. GPR identification of burials at cemeteries typically involves the detection of the top of buried coffins or vaults, however over time, graves deteriorate and become difficult to detect. Additional GPR anomalies that are used in detection of burials are soil disturbances, including burial shafts and excavation areas. Other observable physical evidence is also considered along with the GPR data in the detection of burials, including surface disturbances and ground subsidence. However, GPR data can contain many additional unwanted components in the data, called noise, which originate from the use of the GPR, soil conditions, or additional subsurface materials (tree roots, rocks, and other forms excavation, not related to burials).


SEWER UTILITY
FIGURE 1
GPR SURVEY RESULTS MAP
WARRENSVILLE WEST CEMETERY
GPR SURVEY AREA
SUSPECTED EXCAVATION
GRANITE MARKER
LEE ROAD
Google Earth
N
100 ft

3.0 GRAVESTONES

3.1 Gravestone Inventory + Assessment

The monuments documented in Warrensville West Cemetery by the Consultant Group include a mix of tablets, dies (consisting of a base stone sitting flat on the ground and a 'die' with the inscription set on top), and a selection of larger multi-piece monuments, including an obelisk and two tree stump monuments. Only one footstone – which belongs to Mary Brogden – was identified. A large foundation stone was also identified in the middle of the cemetery; it is believed that a large monument once sat upon it, but has since been removed.

Most monuments are made from marble or granite, but there are several silt stone tablets and one zinc marker in the cemetery. The monuments in the front row facing Lee Road are being impacted by a row of overgrown shrubs, toppling some markers and obscuring others. Several small clumps of vegetation in the cemetery have grave markers hidden within them, and some are displaced from their original locations. Previous repair attempts over the years have left many markers with concrete and/or latex caulk on them.

L-R, siltstone, zinc, marble

L-R, granite, marble, granite boulder

The gravestone condition assessment occurred September 22-23, 2021, with two days in the field for data collection. Each marker was photographed with the name, if readable, and style and material were recorded. A GPS number was assigned for each marker (or marker fragment) for identification (see *GPS Locations Site Map* in Appendix B). A total of 170 markers/fragments were identified and their condition assessed. Each stone was checked for stability and

condition; notations on whether it was leaning, tilted, broken or fallen, or previously repaired, and what materials were used for the repair were also made in the field and recorded. For each stone, individual conservation forms were generated which also include the inscription, death date, and a photo of current conditions (see below). The complete condition assessment of all markers identified in the Warrensville West Cemetery can be found in ***Appendix C***.

CONSERVATION INVENTORY FORM

Sample of collected data

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
163	133	RUSSELL	LYDIA	MARBLE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height	2 needs attention
164	134	SHAKER SOCIETY		BRONZE	BOULDER	Ambient dirt, biological growth, good condition, plaque is missing two screws	Clean, treat biological growth, replace missing screws	3 monitor
61	135	GILL	JOHN	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height	1 urgent
132	101A	BROGAN	MARY	SILT STONE	FOOT STONE	Ambient dirt, biological growth, fallen	Clean, treat biological growth, reset plumb at correct height	workshop
142	121A	ADAMS	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped edges	Clean, treat biological growth, reset plumb at correct height	workshop
143	121B	ADAMS	MOTHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped edges, missing material	Clean, treat biological growth, reset plumb at correct height	workshop
145	122A	WARREN	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention

The current field data was combined with previous survey data and archival information that was compiled by the Shaker Heights Public Library and Shaker Historical Society to create a spreadsheet with the GPS identification number, name of deceased, style of monument, material, condition of marker, priority, and recommended treatments (see ***Appendix B***). These documents can guide the preservation process with priorities, approved materials, and treatments.

Grave markers are assessed and prioritized as:

1. Urgent - The monument is considered a public hazard or at risk of further damage. Large monuments can become unstable or may be leaning more than 20° and pose a hazard to visitors of the grounds. Fallen or broken markers are at risk of further damage or loss and require immediate action to preserve them.
2. Needs attention - The marker is beginning to have a problem, such as a slight lean or erosion issues, which if addressed soon can prevent further issues. Fallen or sunken markers can quickly be covered by vegetation and lost below ground, but simple intervention will preserve the marker before further damage can occur.
3. Monitor - The marker is not at risk, however the issue may change. Bases which are missing the inscription stone should remain in their location and the area should be investigated for a fallen marker below ground (gently probing with a metal rod or hand tool) during future preservation projects.
4. No action - These markers are in good condition and require no action to be taken. Some of the markers listed as no action may be cleaned and treated for biological growth during future preservation projects.

GRAVESTONE CONSERVATION

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	20
Lot #	21
Name	Collister, Thomas & Ann
Date of Death	1891 & 1884
Material	granite
Marker Type	pedestal
Inscription	THOMAS COLLISTER/1807-1891/ANN/HIS WIFE/1822-1884/JANE COLLISTER/1786-1862
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, caulk, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar

Conservation Form

3.2 Gravestone Care

Cleaning Gravestones

Cleaning gravestones is generally not recommended unless performing repairs. Biological soiling will degrade stone surfaces over a long time. The effects of this degradation needs to be weighed against the degrading effects of cleaning. Depending on the method of cleaning, this can be beneficial or detrimental.

If cleaning is necessary, the stone surfaces should be rinsed with a generous amount of water and brushed with a natural bristle brush, repeating the process as needed. If a stone has biological growth, it should be treated with an anti-biological solution. D2 Biological Solution (Limeworks, Inc.) is the recommended product for this application. D2 is a water soluble, non-toxic, anti-biological solution which does not react with the stone or leave soluble salts.

Removal of Failed Repairs

Repairs are considered as having failed if they are no longer functional, are unsightly, or are a hazard. Failed adhesives, mortars, and pins require careful removal before proceeding with conservation treatment. Some temporary stabilization may be necessary as poorly attached fragments are disassembled.

Removal of degraded structural resins may be particularly difficult and time-consuming. Mechanical removal is generally done with small hand tools. The cutting of pins and fasteners may require power tools. Ferrous metal pins are most often locked in place by corrosion expansion. Their removal is best done by careful drilling, by an experienced professional, with a properly sized coring bit.

Resetting Headstones + Monuments

Eighteenth and early nineteenth century gravestones are typically stone tablets that were set directly in the ground. By the first half of the nineteenth century many headstones began to use bases. Stones were either mortared into slots or pinned to the base. In some cases, older tablets were cut and reset with a base.

Larger monuments are often made of several elements and can be both large and heavy. Specialized hoisting equipment is often required. Operation and structural engineering considerations by experienced professionals are required when performing this work.

Resetting In Ground

Tilted stones set directly in the ground can be made plumb by careful excavation of the soil with hand tools, to permit re-setting in the proper position and drainage. When excavating, all large stones should be removed, as ice heaves can cause an underground stone to push on the gravestone. A typical tablet will have approximately 1/3 of its length buried in the ground. If there is not an adequate length of below-grade material to support the marker, a new cast concrete below-grade base will be required. Once the stone is carefully placed into the vertical position and at the proper depth, the stone is made plumb and level, and aligned with adjacent markers. Backfill with a mixture of course sand, loam, and pea gravel wetted and compacted. Disturbed areas of the ground are re-graded with topsoil and seeded as required.

Resetting On/In Existing Base

Unsecured stones in existing bases require re-setting. Generally the base should be reset level and aligned with adjacent stones. Pins should be removed if present. The stone can then be reset level and plumb in the existing slot.

Reset stone on a full bed of modified lime (or hydraulic lime) mortar. Historically, ratios of one (1) part cement, four (4) parts lime, and eight (8) parts fine sand have been used with reasonable results. This mix is generally considered to be a soft mortar. Some conservation recommendations have specified ratios as high as three (3) parts cement, two (2) parts lime, and eight (8) parts sand. The increased cement and reduced lime content has the effect of increasing the strength and adhesion of the mortar. In theory, this would tend to make the mortar last longer than the traditional mix. The negative aspect is that the higher cement ratio produces a harder joint which induces a compression stress on the stone as the stone swells under varying weather conditions.

HGS recommends using two (2) parts cement, four (4) parts lime, and eight (8) parts fine sand, which increases the strength somewhat while still retaining some of the softer properties that help reduce stress on the stone.

Resetting into New Cast Concrete Base

There are several situations where a new cast base will be required. Usually tablets which are broken near grade level or have been cut years earlier and set into bases that have failed are typical examples of when a new base is needed. Bases can be set above grade or below depending on the stone, aesthetics, or other factors. Bases can be cast on-site or pre-cast and set in place on a level bed of gravel, loam, and sand.

Cast concrete bases are typically made with a slot that is ½" wider and thicker than the stone and is recessed 3"-4". Depending on the size of the stone the base is usually 8"-12" deep, 8"-12" greater thickness and 6"-8" wider than the stone. This method is fine when resetting stones with a square bottom. If casting with a recessed slot, drainage holes must be provided.

Some conservation specifications recommend squaring the bottom of the stone by cutting the stone with a saw. This is not recommended as the use of power tools on old stones can cause damage to the stone. In addition, valuable history including inscriptions may be lost. If the bottom of the stone is not square, a base with the same dimensions as above should be made but the slot should go completely through the base. This allows the excess stone to extend under the base level if needed and provides for better support. This also allows broken fragments, belonging to the stone, to be attached to, or buried beneath, the stone.

Structural Reattachments

Broken stones that are to be bonded should be carefully cleaned and dry fitted to ensure proper fit. The area around the stone should be probed for any missing pieces which may belong to the stone. The traditional method of two-part epoxy (Aboweld 55-22, Abatron) is the common way of bonding stones that require structural integrity. Epoxy is very strong, although it also is moisture insensitive. This has the effect of creating a moisture barrier at the repair joint. There is still debate on the effects of epoxy on various stones. For marble and slate stones, this can cause stone degradation over time due to the inability of moisture to wick away from the area. Field observations have shown that failures usually occur adjacent to the repair joint which has been attributed to the epoxy being stronger than the marble. Closer observations have shown that the stone at the new break is usually degraded. Epoxy should be reserved for conditions where high shear forces are acting on the stone. Several factors such as angle of break, thickness of the stone, weight, and bonding surface area need to be considered when deciding to use epoxy.

For most bonding applications, a non-polymer, cement based restoration mortar (Jahn Restoration Mortars, Cathedral Stone) should be used. Bonding should be performed by a certified Jahn Products Technician and the method used should conform to the manufacturer's specifications for the stone. Bonding with restoration mortars is preferable since the mortars are permeable to moisture and allow the stones to breathe. Over time, this method allows the stone integrity to be maintained and should last longer than epoxy. Restoration mortars should be tinted to match the stone color and texture after cleaning. Tinting can be achieved through appropriate pigments (alkali stable oxides) which are available through Cathedral Stone or mason supply. All structural reattachments and stone repair should be done by an experienced gravestone conservationist.

Reinforcement

The routine use of pins has been the traditional way of reinforcing broken stones. This method is in debate and controversial. The use of pins should be avoided except in extreme situations where it is unavoidable. Generally, the use of pins provides extra support to keep two pieces together. If the stone begins to lean and the adhesion joint fails between the stones, the pins are then carrying the full weight of the stone. The pin extends the moment arm which can cause a large blow out on the face of the stone next to the pin.

If pins are required, stainless steel threaded rods ranging from 3/8"-3/4" diameter should be used and never exceed 1/3 of the thickness of the stone. Stones should be drilled by an experienced professional using a wet coring drill and at a slow speed. Pins are then secured using an epoxy structural adhesive.

Repair Mortars/Crack Fillers

Areas of missing stone can be filled using commercially available restoration mortars (Jahn Restoration Mortars, Cathedral Stone) tinted to match the stone. Tinting can be accomplished in the same way as described above in bonding mortars. Large cracks can also be filled using the same mortars. Mortar repairs should not be performed if there is a risk of freezing temperatures within two weeks after performing work.

Filling of Delaminating Stones

Delamination occurs in many stones, typically slate and sandstone. Repair of delaminated stones is designed to adhere the separated layers and prevent water penetration. The first step is to thoroughly clean the interior surfaces of the crack to remove debris. Depending on the nature of the crack, hand tools can be used to clean out the area. Interior surfaces should then be wetted with water or a solution of water and isopropanol. For cracks larger than 1/8", commercially available M40 flowable grout (Cathedral Stone) can be used. For smaller cracks, M32 can also be used. Grouts should be tinted to match the stone after cleaning. Flowable grouts should be applied using manufacturers recommendations.

Reattachment of Small Fragments

Small stone fragments or friable areas are typically reattached with a solution of Acryloid B-72 in solution of acetone. This method is mainly for non-structural applications where a zero thickness bonding joint is desired. Care should be taken as the B-72 forms moisture impermeable layers at the joint, similar to epoxy. Depending on the geometry of the break it is possible to create a moisture trap which can cause deterioration over time.

Consolidation of Friable Stone

Stones showing signs of sugaring or delamination should be consolidated to maintain the granular integrity of the stone. Consolidation should be performed before further treatment is done. Consolidation should be performed using Conservaire OH100 (Prosoco) following manufacturers specifications for proper application. OH100 should be applied a minimum of six (6) applications to promote deep penetration. Failure to perform this task can cause a hard skin to form and cause the layer to delaminate. OH100 binds the grains of the stone without filling the voids between the grains. This allows the stone to continue to breath and expel water from the interior of the stone.

4.0 WORKSHOPS

4.1 Gravestone Maintenance + Preservation Workshop – Department of Public Works

Two gravestone maintenance workshops were held in October 2021. The first workshop was held with City employees from the Department of Public Works and the Planning Department. Attendance and support of the cemetery planning initiative was strong and positive. The following information was reviewed:

- **Collect information** from workers regarding vegetation, missing stones or structures
- Overview of the cemetery, grave markers, and landscape
- Attention to mower damage, moving stones
- **Procedures** for maintaining the grounds and frequency of maintenance
- **Guidelines** for maintenance
- Maintenance should begin with **trimming** BEFORE mowing. String trimmers should use the BLUE string, which is a light weight string. Never use an orange or black string which are heavy weight
- Once the trimming is complete, **mowing** the rows will be easier and prevent mower damage to the grave markers
- Care should be taken to move any stone out of the way of mowers and always placed back at original location if moved

If future damage/deterioration is detected by Public Works maintenance staff or formerly missing/hidden stones are discovered, Public Works will coordinate with the Planning Department to determine the best practice to address preservation/maintenance. If missing gravestones are discovered off-site, they should be accepted, no questions asked, and information should be logged and the gravestone should be stored, repaired, or returned to the cemetery.

4.2 Gravestone Maintenance + Preservation Workshop – Volunteers

The second workshop was for volunteers and held on October 23, 2021, for four hours. Many volunteers stayed an extra hour to finish the exciting work of cleaning and repairing headstones. The workshop was open to the public and stakeholders and attended by approximately 19 people. The session began with a classroom overview, followed by field demonstration and hands-on cleaning and minor repairs. The conservation workbook and PowerPoint presentation utilized during this workshop are available in ***Appendix D***.

The following information was reviewed:

- Classroom Presentation: safety, history of cemeteries and burial practices, grave markers, and landscape
- Demonstrations: cleaning, small marker resetting, large marker resetting with tripod
- Documenting, photo techniques, and cleaning a stone in-situ

- Resetting a tablet stone (Historic Gravestone reset Mary Brogden head and foot stones)
- Volunteers will work hands-on to document, clean and reset small pre-selected stones.

The Volunteers' Workshop resulted in the cleaning of fifteen stones and the resetting of eight stones. The head and footstones of Mary Brogden were cleaned and reset by Ta Mara Conde as part of the workshop demonstration. Ta Mara made use of a tripod to do the work. This type of work should only be performed by a trained specialist.

Volunteer Workshop

Reset Headstone

The misuse of caulks, epoxies, concrete, and pins was pointed out. Only **approved caulk** should be used in stone repair, never waterproof materials. Again, this type of repair should only be undertaken by a trained specialist. The detailed assessment gives recommendations for appropriate and approved materials.

A summary of the cleaned and reset stones appears below.

BASIC CONSERVATION WORKSHOP

HISTORIC GRAVESTONE SERVICES

New Salem, MA

www.historicgravestone.com

GRAVE	GRAVESTONE	ACTION TAKEN	VOLUNTEERS
William D. Meyne	Mother	Reset & cleaned	Jessie, Jon, David
John E. Adams	Mother	Reset & cleaned	Sonia, Colin
John E. Adams	Father	Reset & cleaned	Sonia, Colin
James Prentiss	James Prentiss	Cleaned	Brianna, Meghan
Earl Kenneth Jones	Earl Kenneth Jones	Cleaned	Brianna, Meghan
AC & Della Kaiser	3 infants of AC & Della Kaiser	Unearthed from below ground, reset, & cleaned	Kelsey, Nancy
Jno Cowan	Jno Cowan	Reset & cleaned	Ta Mara
Unknown	Unknown	Reset & cleaned	Judi, Ta Mara
Anniebelle	AP	Reset & cleaned	Unknown
Saxton	Saxton	Cleaned	Brianna, Meghan
Prentiss	LRP	Cleaned	Brianna, Meghan
Moore Bell	Moore Bell	Cleaned	Brianna, Meghan
Annis Bell	Annis Bell	Cleaned	Brianna, Meghan
Stiles	Stiles	Cleaned	Kelsey
Mary Brogden	Mary Brogden	Reset	Ta Mara
Shaker Graves		Cleaned	Brianna, Meghan



Volunteers, Cleaning and Resetting Markers




Cleaning and Resetting Mary Brogden Head and Foot Stones

4.3 Landscape Maintenance Guidelines

The cemetery is composed of many different features, all important to the landscape of historic cemeteries and requiring special care. The grave markers are the most prominent feature, but the shape of the land, plantings and wildflowers should be maintained, as well as the stones, to preserve the historic landscape according to the Secretary of the Interior's Standards.

Features, sometimes called structures, can include grave markers, monuments, tombs, fencing, curbing, benches and walkways, as well as trees and special plantings. Other features of the cemetery are the gate or entrance area and special features like wildflowers, streams, and wildlife. Each of these present their own needs which will require maintenance.

Graves may be marked with several different styles of monuments which present different issues. Early markers were a simple tablet shaped stone with one-third of the total stone length beneath ground, holding the stone erect. Over time many tablets may begin to lean or tilt to one side. A leaning stone is at risk and may lead to injury to the public or cemetery workers. Leaning stones are also an obstacle for the mowing equipment and are in danger of falling over or breaking.

Most grave markers are considered above ground monuments, like the die and base style of modern monuments. Modern granite monuments are not pinned together but sit on a lead shim or setting putty and can easily topple over once they begin to lean. Larger monuments of multiple pieces with obelisks or statuary on top are usually assembled in the same manner as the dies with base.

Maintenance should include quarterly inspection of the grounds with attention to the grave markers and any special features, noting any changes in the maintenance records or alerting supervisors to potential problems. Identifying and monitoring issues will lead to good maintenance and the ability to meet the need before the issue becomes a problem.

The City should develop a form and reporting process for this inspection. We suggest that the Shaker Historical Society work with the Public Works Department for formalize the procedure. The volunteer group can reset a simple stone or clean stones. If a larger stone needs assessment and repair, a professional should be hired. If stone damage is related to vandalism, the police should be called and the repair done by professional.

Compressed soil or the use of weed-killer will lead to grass loss, erosion, and leaning and damaged stones. It is recommended to keep mowing equipment at least twelve inches away from the all monuments and to completely restrict the use of herbicides; no chemicals should be used. Wildflowers and grasses should be allowed to grow naturally, helping to reduce soil retention and prevent monuments from becoming unstable. Cemeteries can be hidden treasures of endangered plants.

The grounds can be easily maintained by *first* string trimming around each monument using a .065/blue string only. Extra strength, orange, green or black strings (.075 or higher) *should not* be used near historic grave markers or features. Once the grounds have been trimmed, mowing is quick and easy with most tight areas already trimmed of vegetation.

Older burial grounds may have footstones or tightly packed rows leaving little room for a large mower deck. A small walk behind mower can be used to reach these areas. The use of riding or zero-turn mowers can compress the soil through repeated use leaving ruts. Mowing decks should be set higher than usual use and the frequency of mowing can be reduced to achieve the desired look of the historic burial ground.

5.0 LANDSCAPE CONCEPT AND AMENITIES PLAN

Several conceptual landscape and amenities plans were developed and reviewed by the Client Group and stakeholders. The attached plan represents the consensus of those involved and the direction for moving forward.

Recommendations include the following:

A. Restore leaning and unsafe stones, as outlined in the Assessment Sheets, ***Appendix C***. This should be done prior to promoting increased use of the cemetery.
B. Have retaining walls reviewed by a structural engineer. Document and perform needed repairs.
C. Remove existing, overgrown vegetation and non-native tree species. All earth disturbing activities should be observed by an archaeologist or qualified historian who is charged with documenting newly discovered stones or other artifacts.
D. Create a well-defined, ADA accessible entrance on the southeast corner of the cemetery. Investigate removal of parking on the east side of the cemetery, freeing space for the entrance, views, seating and interpretive and identity signage. Consider a second entrance off of Lee Road, near the northwest corner of the cemetery. Final site selection shall balance the need for an ADA access point, presence of known and unknown burials (refer to GPR results) and the ability to provide steps and/or a ramp from Lee Road into the cemetery. The change in grade is approximately three feet.
E. Provide ornamental fencing on west, east and south sides of the cemetery, and minimally where the retaining walls are thirty inches or higher. See sample fence in Section 8.0.
F. Restore views to/from Lee Road (west). Noise will increase, as will visibility.
G. Screen views to/from the Heinen's parking lot (south) and service area (east), with native vegetation. Coordinate with Heinen's.
H. Screen views to parking at the Kingsbury building, soften views of brick wall (north) as permitted by GPR results.
I. Work with the Lee Road Action Plan planning project, currently in progress, to determine feasibility of removal of three to five parking spaces on Lee Road, allowing for improved access to the cemetery (see D), and the planting of street trees to mitigate noise and soften views to the road.
J. Allow existing turf grass in the cemetery to grow, mowing once per year. This will allow wildflowers to appear again, cut down on maintenance, and provide a character more similar to a historic cemetery. The designated pedestrian path should be mowed as needed throughout the growing season to encourage foot traffic.
K. Develop a wildflower meadow and pollinator garden in areas of the cemetery that do not have monuments. The selection of species should be native to northeast Ohio, and include grasses and wildflowers for pollinators. The wildflower and native grass mix can be diverse and plants can be tall. Once established, mowing need occur only once per year. Refer to the conceptual site plan for locations.
L. Tell the interpretive story of Warrensville West Cemetery through the use of large format, interpretive signs and smaller sign posts with quick response (QR) codes. Each opportunity is shown in Section 6.0. Interpretive signs are more expensive to produce, and less likely to be updated once installed, but do provide immediate information for those without cell phones and those stopping by for a quick visit. QR codes on smaller sign posts can easily be installed or updated as new information becomes available. The QR code should take the reader to a web page, hosted by the City, Shaker Historical Society, or Shaker Heights Public Library, where they will find a narrative, photos, and references. Refer to Section 6.0 for sample biographies.
M. Provide seating for visitors. Feedback from stakeholders told us that workers from the adjacent commercial area use this location as a quiet lunch spot or occasional break area. Currently, visitors sit on the retaining walls.

LANDSCAPE CONCEPT AND AMENITIES PLAN

Legend

- Mown Lawn
- Native Wildflower Prairie
- Non Mown Grass
- Existing Fence
- Proposed Fence
- Proposed Trees
- Existing Trees
- Proposed Evergreen Screen
- Proposed Shrubs
- Proposed Benches
- Proposed Signs
- Proposed QR Posts
- Existing Burial Monuments

0 10 20 40 Feet
1:20

Tree Species Key

1- Blue Spruce
2- Austrian Pine
3- Oak
4- Kentucky Coffee Tree
5- Cherry
6- Pear
7- Honey Locust
8- Elm
9- Yews
10- Shaker Monument

Notes:
All plantings shall use native plants
Existing fence to have panels replaced as needed

0 10 20 N

FUTURE LANDSCAPE ENHANCEMENTS-ALTERNATE

Legend

- Mown Lawn
- Native Wildflower Prairie
- Non Mown Grass
- Existing Fence
- Proposed Fence
- Proposed Trees
- Existing Trees
- Proposed Evergreen Screen
- Proposed Shrubs
- Proposed Benches
- Proposed Signs
- Proposed QR Posts
- Existing Burial Monuments

0 10 20 40 Feet
1:20

Key

1- Blue Spruce
2- Austrian Pine
3- Oak
4- Kentucky Coffee Tree
5- Cherry
6- Pear
7- Honey Locust
8- Elm
9- Yews (to remain)
10- Shaker Monument

Notes:
All plantings shall use native plants
Existing fence to have panels replaced as needed

0 10 20 N

6.0 INTERPRETIVE STORY

The history of the Warrensville West Cemetery has only begun to be told and documented. Below are different examples of interpretive signs along with three biographies, written by MSG cultural specialists by referencing research that had been previously completed by the Shaker Historical Society.

Warrensville West Cemetery

The story of Warrensville West can be told through the use of large format, color, interpretive signs, strategically located at the cemetery. The interpretive signs are a combination of photos, graphics, infographics, and text. The image below is an example of how the interpretive story may be conveyed.

Possible locations for large format interpretive signs are cemetery entrances, the Shaker burial site which contains evidence of an unmarked, mass grave, and the possible second mass grave in the northeast corner of the cemetery. All of the stories of those buried in Warrensville West Cemetery can be told again, relying on research performed by the Shaker Heights Public Library, the Shaker Historical Society and diligent researchers from the future Friends of Warrensville West, a group foreseen as a possible outcome of this plan. It is important that all stories are based on research and sources are documented. As new information is discovered, the stories can be added to and/or edited for accuracy.

"PULSE DESIGN NATURE SERIES" Interpretive Trail Sign #030-2436-09A-9817, Size 24"x36", ©2018 Pulse Design, Inc. To Order: Call 708-385-1308 or Visit: www.pulsedesign.com

Quick Response (QR) codes can be used in a walking tour around Warrensville West Cemetery to guide visitors on a journey through the City's early history.

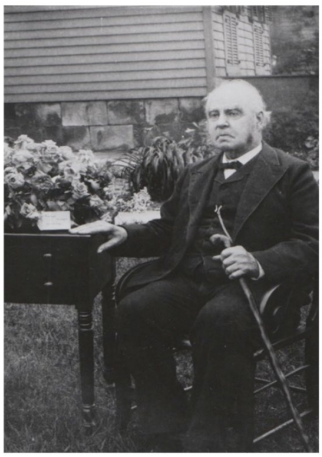
The QR codes can be linked to the website that hosts the Warrensville West Cemetery information and database, along with the histories of each family. Visitors can easily scan the codes using their smart phones, enabling them to explore the historic cemetery in a new way.

These codes can also be used to provide quick updates to information as it becomes available and events in the area that pertain to the Shakers and their influence.

The example to the left is inspired by Shaker-designed fence posts and is a low impact solution for providing these codes throughout the cemetery grounds.

The Warren Family

The Warrens were the first European settlers in the area now known as Warrensville Township. Daniel Warren moved to the area from Acworth, New Hampshire in 1810. Upon hearing of cheap, high-quality farm land, Daniel's father and brother, Moses Sr. and Jr., soon followed with the rest of the family. The 600 mile trip took seven weeks on a horse-drawn wagon[2]. Moses Sr. served as a soldier in the Revolutionary War. Upon arrival, he and his sons built a house on what is now Chagrin Boulevard. Known as the Moses Warren House, this building was placed on the National Register of Historic Places in 1974, and became a Shaker Heights Local Landmark in 1977[3] [4]. Moses Sr. served as an officer in Warrensville's town government in the 1830s through the 1840s. His son, Daniel, for whom Warrensville Township was named, was both a farmer and brick maker. In 1817, he was elected chairman in the first township election and later served as trustee in 1827 and 1828[5]. His brother, Moses Jr., a real estate developer, moved from the farm to No. 942 Doan Street, Cleveland until his death in 1898[6].



Moses Warren Jr. 1893
Image: Shaker Historical Society
(Rotman 2011)

The Warren family members interred at this cemetery include Moses Warren Sr. (b. 1760 – d. 1851; age 91), his wife Priscilla (b. 1764 – d. 1842; age 78) and their son William Warren (b. 1812 – d. 1825; age 13). Moses Warren Jr. (b. 1803 – d. 1898; age 95), his wife Sara N. (b. 1805 – d. 1861; age 56), and unknown relative Milan H. Warren (b. 1828 – d. 1848; age 20). William M. Warren (b. 1832 – d. 1902; age 70), his wife Harriet B. (b. 1836 – d. 1919; age 83), and their child Addie L. (b. 1866 – d. 1883; age 17).

The Corlett (Corlette) Family

Buried in Warrensville West Cemetery are members of the Corlett family. The Corletts were one of the first families to emigrate from the Isle of Man and settle in Cleveland, on the land that was then known as the Connecticut Western Reserve.

Upon their arrival in the early 19th century, the first generation of Corletts leased 50 acres of farm land from the Connecticut Land Company in the area now known as Newburgh Township[7]. Their success at farming encouraged their kin and fellow Manxmen to follow suit. Cleveland quickly became the center of Manx immigration by the mid-19th century[8]. As farmers, church leaders, and tradesmen, the Corlett family helped create the community that would eventually develop into Warrensville Township. Hands are a common symbol used on gravestones. Clasped hands, on the same level, with the same sleeve cuffs, can symbolize a farewell to the early life and welcome to eternal life.

The first generation of Corlett family members interred at this cemetery include Father Robert Corlett (b. 1799 – d. 1861; age 62), his wife Elizabeth (b. 1795 – d. Dec. 7, 1851; age 56), and unknown relative William H. Corlett (b. Jan. 29, 1792 - d. Feb. 7, 1815; age 23).

The second generation of Corlett family members interred in this cemetery include Edward Corlett (b. Nov. 24, 1824 – d. Mar. 12, 1903; age 79), his wife Mary A. Conley (b. Nov. 20, 1826 – d. Aug. 4, 1900; age 74), and their children Mary Ann (b. Feb 28, 1848 – d. Feb. 10, 1864; age 16), Ellen Jane (b. Dec. 7, 1849 – d. Sep. 1850; 10 months), Margaret Catherine (b. Dec. 27, 1858 – d. Nov 18, 1872; age 14), and Edward John (b. Jun. 11, 1851 – d. Feb. 6, 1925; age 74).

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[2] Rotman, Michael. "Moses Warren Home." *Cleveland Historical*. 2011. https://clevelandhistorical.org/items/show/364
[3] Early Settler's Association of Cuyahoga County (ESACC). "Annals of the Early Settler's Association of Cuyahoga County." *J.B. Savage Print: Cleveland. Reynolds Historical Genealogy Collection*. 1899. https://archive.org/stream/annalsofearlyset41earl/annalsofearlyset41earl_djvu.txt
[4] Rotman. 2011
[5] Case Western Reserve University (CWRU). "Warren, Daniel." *Encyclopedia of Cleveland History*. 2021. https://case.edu/ech/articles/w/warren-daniel
[6] ESACC. 1899
[7] Orth, S.P. & S.J. Clarke. "A History of Cleveland, Ohio." *S.P. Orth & S.J Clarke Publishing Company: Chicago*. 1910. https://play.google.com/books/reader?id=w5U6AQAAIAAJ&pg=GBS.PA4&hl=en
[8] Kelley, Darlene E. "Know your Ohio: Manx Settlers of Ohio – Article 12." *Ohio Statewide Files – OHGenWeb*. 2002. http://files.usgwarchives.net/oh/newspapers/manx/manx01.txt

The Kelly (Kelley) Family

Not unlike the Corletts, the Kellys were early 19th century Manx immigrants who purchased farmland in the Newburgh area. The family settled near E. 93rd Street and Miles Avenue[9].

Edward T. Kelly was a Corporal of the 7th Regiment of the Ohio Volunteer Infantry, Company A. This infantry regiment formed in northeastern Ohio for service in the Union Army during the American Civil War. Edward's role in the infantry is remembered by his actions at the August 1861 Battle of Kessler's Cross Lanes in Nicholas County, West Virginia. Edward, along with Corporal Llewellyn R. Davis, captured the flag of the opposing infantry and sent it home as a war trophy[10]. Edward also fought at the March 1862 Battle of Kernstown in Winchester, Virginia where he was fatally wounded.

The Kelly family members interred in this cemetery include patriarch John Kelly (b. 1791 – d. 1879; age 88), his first wife Ann (b. Apr. 13, 1791 – d. May 8, 1846; age 55), and their children Edward T. (b. 1837 - d. April 1, 1862; age 25), Catherine (b. 1825 – d. Feb. 15, 1843), and Almira E. (b. 1834 – d. Jun. 19, 1848; age 14). Also interred is Ann Kelly (b. 1813 – d. Nov. 25, 1883; age 70) who was the second wife of John. They married on November 7, 1848. Ann's maiden name was Corkie.

It should be noted that the Kelly monument is leaning excessively, and should be reset by an experienced professional before the public is encouraged to visit the cemetery.

[9] Kelley. 2002
[10] Masters, Dan. "The Bloody Seventh Ohio at Cross Lanes." *Dan Masters' Civil War Chronicles.* 2020. https://dan-masters-civil-war.blogspot.com/2020/09/the-bloody-seventh-ohio-at-cross-lanes.html

7.0 BRANDING

In creating the branding for the Warrensville West Cemetery, it was important to focus the design on elements found within the cemetery walls that also represented the Shakers and their beliefs. The concept chosen for this space was an evergreen tree, a symbol of everlasting life after death – something that the Shakers, as Christians, believed strongly. The colors chosen represent the cyclical, transitionary phases of nature - reflecting the seasons of human life. The information below was reviewed, discussed, and chosen by the stakeholder committee.

7.1 Color Story

- Relate the colors to the area
- Identify elements that are meaningful (trees, water, buildings)
- Use colors that draw in emotions (blue = calming/serene, green = nature/harmony/social, red = excitement, intensity, passion, orange = creativity/optimism, brown = grounding/peaceful/stability)

7.2 Style/Form

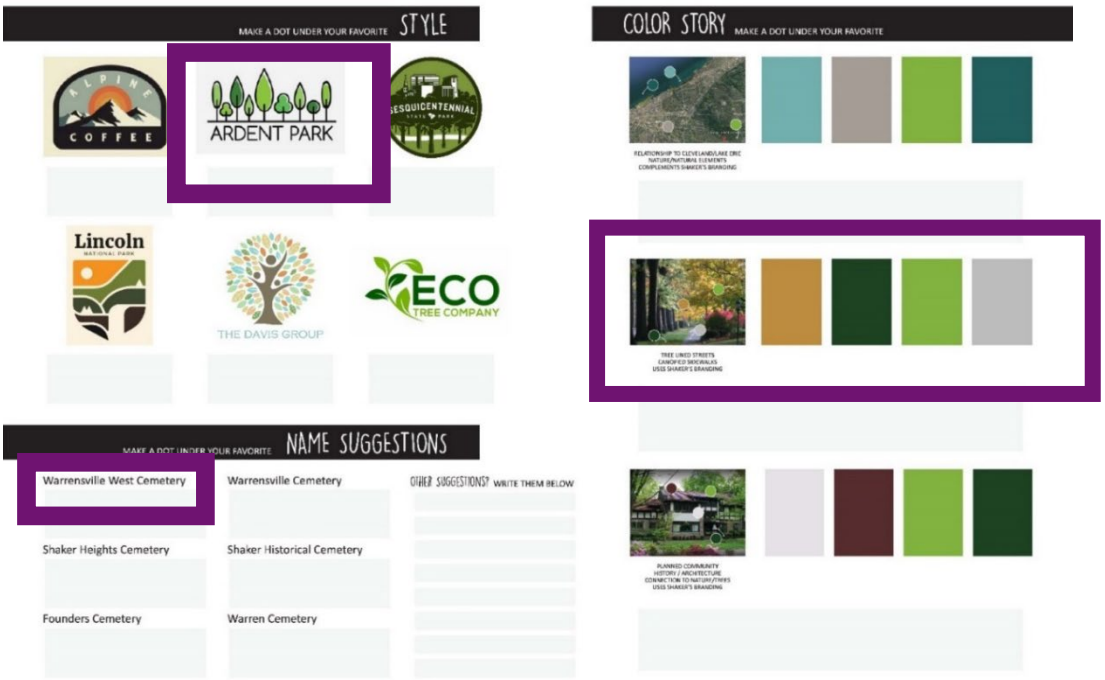
- Shapes, lines, movement
- Simple vs. complex
- Focus on words or graphic (or both)

7.3 Name Suggestions

- Do you have a connection with the name Warrensville West?
- Any ideas for what might be a better option?

7.4 What You Told Us

The Client Group and the stakeholders reviewed the materials below, and overwhelmingly agreed on the style of logo to be created for the cemetery, as well as the colors to use. Although many local residents do not know the location of the cemetery and found the name confusing or lacking in specificity, they ultimately chose to retain the original historic name.



Four sets of logos were designed for consideration, drawing on the style, colors, and name chosen in the first stakeholder meeting. The final choice is pictured below.

Flowers and trees are often used in funerary symbolism. The pine was chosen to inspire the logo for these reasons:

- The tree is a symbol of eternal life, immortality, and protection.
- Pines are especially indicative of immortality due to their long life and evergreen status, growing year round.
- White pine, pitch pine, and Virginia pine are all native to Ohio. These are all possible plants for use in Warrensville West Cemetery.

Logo usage should read in color, black and white, and white on black. Few words should be used, and the address added only in special circumstances.

WARRENSVILLE
WEST CEMETERY

SHAKER HEIGHTS, OH

WARRENSVILLE
WEST CEMETERY
SHAKER HEIGHTS, OH

WARRENSVILLE
WEST CEMETERY
SHAKER HEIGHTS, OH

WARRENSVILLE
WEST CEMETERY
3451 LEE ROAD
SHAKER HEIGHTS, OH

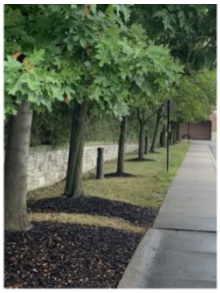
8.0 PHASING

1. Reset leaning monuments based on Priority as dictated in the Conservation Inventory in ***Appendix B***
2. Install fence for safety, as required by code, behind retaining walls. Maintain a gate for mower access on the north
3. Cease mowing in lawn areas, allowing native species to return, augment with native grasses (seed) as required
4. Allow grass in the cemetery to grow throughout the summer, trimming and mowing only as required for monument visibility and pedestrian circulation
5. Prune trees
6. Seed pollinator garden in the northwest where no monuments exist


Native Prairie Garden


Wildflower Pollinator Garden




7. Remove the No Parking sign and wire fence from the hedgerow.
8. Remove Invasive species. This includes trees and shrubs, some of which may fall into other projects.
9. Remove south and east hedgerows for visibility. Coordinate with a monument specialist and an archaeologist.




10. Provide ADA accessible entry to the cemetery, include seating using City standard benches.
11. Develop a program of interpretive signs and QR (quick response) codes for additional information as suggested in Section 6.0.
12. Install new plantings over time. Utilize native plant species throughout.

9.0 FRIENDS OF WARRENSVILLE WEST

A Friends of Warrensville West group (the Friends) may be created by the Shaker Historical Society, the Shaker Heights Public Library, or the City of Shaker Heights. The Friends is a way to maintain interest in, and upkeep of, the cemetery. The following section provides a guide for establishing a Friends group and recommendations for activities.

9.1 Mission Statement

Create a Mission Statement to summarize the purpose of the Friends group. The statement should be clear and concise, providing an explanation of the group's values and overall goal.

Establishing core values can help members make certain that their principles align with those of the organization. These may reflect such topics as:

- Environmental stewardship
- Cultural appreciation
- Historic preservation
- Community engagement

9.2 Generate Community Interest

Announce an event with the assistance of the Friends and their established community following. This event will have the purpose of providing community awareness of the Cemetery and the mission of the Friends.

Social media platforms, local news and radio, businesses in the area, scouting groups, schools, and other clubs or organizations may be of use in spreading the message to a variety of people who may be interested in membership and/or volunteer opportunities.

Provide a walking tour of the cemetery grounds to familiarize interested community members with the space. Demonstrate the importance of forming this group and what the community gains from preserving and maintaining this community asset.

9.3 Organizational Structure

Non-Profit Organization

Establishment of a formal non-profit organization may be appealing to larger benefactors as this will allow contributions to be filed as a tax deduction. Should the Friends decide to establish the group as a 501(c)(3) organization, the following steps must be taken:

- Select a name for the Friends group.
  - Perform a thorough search for availability as an Ohio business name, domain name, federal trademark, and across the web and social media. Ensure the name is available across all platforms to protect the integrity of the organization and to claim control of these sources of information.
  - Ohio does not require a non-profit corporation to include the use of 'company,' 'incorporated,' 'limited partnership,' or other equivalent identifiers.
- Establish a Statutory agent responsible for sending/receiving important documents on behalf of the Friends.
- Select staff who will be assigned designated roles within the organization. Directors, officers, and employees within the non-profit are entitled to reasonable wages for services provided, although financial compensation is not required. Other essential members are typically volunteers who are unpaid. All responsibilities for assigned roles should be made clear to ensure the effectiveness of the operations of the board of directors and volunteers. At minimum, the organization must include three (3) unrelated directors: President, Secretary, and Treasurer. Related directors may not make up more than 50% of voting members on a board of directors.
- A mission statement, bylaws, and a conflict of interest policy are required.
- Establish what assets will be used for and what will happen to the assets if the organization is dissolved.

- File articles of incorporation and obtain an Employer Identification Number (EIN) with the State of Ohio. State filing fee is $99. https://bsportal.ohiosos.gov/
- File Form-1023 with the IRS for tax-exempt status. Note: An organization that has gross receipts of less than $5,000 is not required to file Form-1023. https://www.irs.gov/instructions/i1023ez .
- It is advisable to hire an attorney to answer questions and file the initial paperwork.

Informal Friends Group

The Friends of Warrensville West may be informally organized under the Shaker Heights Public Library or the Shaker Historical Society. A fund associated with the designated sponsor may be established specifically for the Friends that will contribute toward activities related to the cemetery.

While the Friends group may be informal, it is recommended that the group establish responsible agents with clearly designated roles to ensure the operational effectiveness of the Friends group; these roles may include a President, a Secretary, and a Treasurer.

Formal Meetings

The Secretary should record meeting minutes for all meetings and town hall events with community members. Minutes should detail important rulings, organizational issues to be addressed, decisions that have been made, and assignments for staff and members. These minutes will serve not only as reminders of important work to be done, but also as evidence as to how the Friends have fulfilled their fiduciary duties.

9.4 Funding Opportunities

Grant Funding

Refer to Section 10.0.

Membership Dues

Varying levels of membership may be made available to provide a regular source of funding for the Friends. Contributions from these memberships may go toward cemetery support activities such as event planning and operational costs.

- Individual – for individual community member annual membership
- Bronze/Silver/Gold/Platinum – group/business annual membership
- Lifetime – one time, lump sum for lifetime membership

Individual Donations

Some donors may not want to become regular members of the Friends; there should be a way to make one-time contributions to the group in support of cemetery activities.

9.5 Staff/Member Activities

There is no way to predict that the Friends group will provide enough direct funding for its own staffing within the first 5-10 years, however volunteers within the community or professionals employed by the sponsor organization may be assigned periodic activities or responsibilities such as those below.

Historic Preservation + Cemetery Beautification

- Cleaning up litter
- Cleaning and caring for monuments, as outlined in the Master Plan
- Planting flags for Memorial Day, setting wreaths for winter holidays

Research Activities

- Genealogical mapping
- Shaker family biography writing
- Creation of a timeline of historical events

Event Planning

It may be beneficial for the Friends to organize community events. Events may attract residents and community members in the greater Cleveland area by highlighting past Shaker Heights residents as well as those who are active in the community today. Activities may include:

- Host presentations by local historians about those interred at Warrensville West Cemetery.
- Provide guided tours of the cemetery and surrounding area.
- Encourage small business participation.

Website Presence

A webpage dedicated to the Friends of Warrensville West can be hosted on an existing Sponsor's website. Suggestions for pages to highlight on this webpage are as follows:

- **About** (main page): include a brief history of the Friends of Warrensville West, the mission statement, and the group's core values.
- **History**: this section may include the Warrensville West Cemetery history and/or a timeline of the Shakers, the monument inventory provided by MSG, and links to family biographies linked to the QR codes in the cemetery can be included here.
- **Events**: provide a calendar with schedule of community events and meetings.
- **Membership**: include an explanation of what is included in membership and provide a form to sign up.
- **Donate**: this page can provide a space to donate to the Friends without becoming a member.
- **Opportunities**: include volunteer opportunities available and a way to sign up.

10.0 GRANTS

Grant possibilities are listed below. It is always important to continue to research possible grants from local foundations, philanthropists, and state and national preservation agencies. Focus and availability is constantly changing.

- Cuyahoga SWCD Conservation Action Grant & Scholarship
  $1000 grants for conservation education. *"The board's goal is to provide at least 75 grants or scholarships by Cuyahoga SWCD's 75th anniversary in 2024."* Successful project applications are those related to Cuyahoga SWCD's mission to implement programs and practices that protect and restore healthy soil and water resources, with a special emphasis on engaging underserved populations or those with financial barriers to project implementation.

  This grant could help with establishment of the wildflower and pollinator garden. It could also be helpful in the reestablishment of a native species meadow.
  Cuyahoga SWCD Conservation Action Grant & Scholarship Application Form (google.com)

- Certified Local Government Grants (CLG) from the Ohio History Connection, SHPO
  State funding priorities vary by year, but in general, successful applications must:
  - Strengthen Local Preservation
  - Protect and Preserve Cultural Resources
  - Promote Economic Development

  Certified Local Government Grants | Ohio History Connection

- Local Arts Council
- Community Foundation
- The future Friends of Warrensville West Cemetery, if formed, founded as a 501 (C)(3), can hold fund raising events and accept donations.
- National Trust for Historic Preservation Fund
- Ohio Historical Center Marker Program
- Ohio History Connection Fund

APPENDIX A

GROUND PENETRATING RADAR REPORT

November 16, 2021

Ms. Kara O'Donnell
City of Shaker Heights, Ohio
15600 Chagrin Boulevard
Shaker Heights, Ohio 44120

Re: Ground Penetrating Radar Survey Report – Warrensville West Cemetery, Shaker Heights, Ohio

Dear Ms. O'Donnell:

The Mannik & Smith Group, Inc. (MSG) was retained by the City of Shaker Heights to perform a Ground Penetrating Radar (GPR) investigation for the Warrensville West Cemetery located in Shaker Heights, Ohio (Site). This project is part of the Historic Preservation Master Plan project for the Warrensville West Cemetery.

The Warrensville West Cemetery is located on the east side of Lee Road, approximately 250 feet north of the intersection of Lee Road and Chagrin Boulevard, Shaker Heights, Ohio. The purpose of the investigation described herein was to provide GPR services focused on the identification of potential buried human remains located within the Warrensville West Cemetery. Since buried human remains are not always marked with a monument or aligned with their respective monument, GPR was chosen as the preferred method of determining buried human remains on the Site. The GPR Survey Area is illustrated on the attached *Figure 1, GPR Survey Results Map*. The GPR survey was conducted within the marked boundaries of the Warrensville West Cemetery, bounded by a building structure and metal fence to the north, a concrete retaining wall to the east, and shrubs and a concrete retaining wall to the south and west.

PROCEDURES

GPR operates by transmitting electromagnetic impulses (radio waves) into the subsurface and measuring the time for a reflected signal to return to the receiving antenna. A two-dimensional cross-section representing the subsurface response is generated in real-time as the GPR broadband dipole antenna is moved across the ground surface. Electromagnetic waves transmitted from the GPR propagate downward through the subsurface, reflect off subsurface boundaries and return to the receiver antenna. GPR signals reflect back toward the ground surface depending on the contrast in the electrical properties of subsurface materials.

Important limitations to GPR performance are detecting small or deeply buried targets, as well as penetrating dense or conductive materials (i.e. moist clay, silty clay, weathered shale, slag, concrete, foundry sand, etc.), which cause signal attenuation (absorption). The recommended survey methodologies and equipment were selected to meet the project objectives; however, data interpretation is subjective and constrained by instrument limitations and site conditions, and therefore, is not guaranteed to be 100% accurate. Horizontal accuracy of the location of subsurface anomalies is approximately +/- 1 feet and the vertical accuracy is +/- 0.25 feet per foot of burial depth.

MSG conducted a GPR survey at the Site using a Geophysical Survey Systems, Inc. 4-wheel GPR system, from September 28 through September 30, 2021. The GPR system included a 400 megahertz (MHz) antenna was used in conjunction with a SIR-3000 field computer for locating subsurface anomalies within the GPR survey area. Since a majority of the burials at the Site are oriented east-west in accordance with traditional Christian burial methods, the GPR survey grid was oriented approximately in the east-west and north-south directions, which are approximately

2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131 www.MannikSmithGroup.com

perpendicular and parallel to the alignment of these burials. A two-foot survey grid was established over the 210 foot by 206 foot GPR survey area and the GPR was operated in a series of parallel lines (x,y-grid) over the GPR survey area, except for sections of the GPR survey area where additional detail was necessary and a one-foot survey grid was used. Portions of the cemetery were blocked by surface obstructions (trees, shrubs, burial monuments, fences, etc.) and GPR was not performed in these obstructed areas. GPR survey areas, detected anomalies and reference surface features were surveyed with a Trimble Geo7X centimeter edition Global Navigation Survey System (GNSS) unit including a Zephy3 antenna. The survey grid was established using a measuring tape and distance recorded along the survey lines with the GPR odometer (+/- 0.1 feet). The GPR antenna was moved over the ground surface using the 4-wheel cart GPR system that acquired data at approximately 18 traces per foot. The depth of measurement was estimated using an approximate dielectric constant for clay soil (8.0). The interpretable depth of the GPR signal (signal floor) was limited to approximately six feet due to signal attenuation within the soils at the Site.

RESULTS AND CONCLUSIONS

GPR is an effective means of characterizing the subsurface and the detection of buried anomalies and can provide a significant amount of detail about what is underground. GPR identification of burials at cemeteries typically involves the detection of the top of buried coffins or vaults, however over time, graves deteriorate and become difficult to detect. Additional GPR anomalies that are used in detection of burials are soil disturbances, including burial shafts and excavation areas. Other observable physical evidence is also considered along with the GPR data in the detection of burials, including surface disturbances and ground subsidence. However, GPR data can contain many additional unwanted components in the data, or noise, which originate from the use of the GPR, soil conditions or additional subsurface materials (tree roots, rocks, and other forms excavation, not related to burials).

Based on the GPR survey data, all significant detected anomalies, including burials located at the Warrensville West Cemetery, are depicted on *Figure 1, GPR Survey Results Map.* Photos of field activities are located in Figure 2 through Figure 4. Multiple select examples of noise and anomalies detected during the GPR survey at the Warrensville West Cemetery are depicted in Figure 5 through Figure 15, including:

1. Figure 5 illustrates an example of a typical GPR radiogram collected during the GPR survey at the Site, which is representative of the clayey till soils and soil layers present across the Site.
2. Figure 6 illustrates multiple linear anomalies detected indicative of suspected tree roots and are an example of one of the sources of noise detected at the Site.
3. Figure 7 illustrates the hyperbolic response of a linear anomaly indicative of a subsurface utility located in the northeast portion of the cemetery leading to the east towards the east cemetery boundary as indicated on *Figure 1*. A GPR radiogram from a profile collected across the linear GPR anomaly indicative of the suspected utility is illustrated in *Figure 4* below.
4. Figure 8 illustrates a GPR radiogram of typical noise encountered of suspected fill material from previous excavation activities at the Site, not directly related to burials. Noise from fill material was encountered along the east cemetery retaining wall and north drainage area within the cemetery.
5. Figure 9 illustrates a GPR radiogram of a linear anomaly indicative of a suspected burial vault located within the Warrensville West Cemetery. The wider hyperbolic response of a suspected burial vault illustrated in Figure 9 is different than that of the hyperbolic response of a cylindrical utility structure illustrated in Figure 7.
6. Figure 10 illustrates a GPR radiogram of a linear anomaly indicative of a suspected burial vault located within the Warrensville West Cemetery. Note how the longer "flat topped" response of a suspected burial vault across the length of the vault is different than that of the hyperbolic response across the width of a burial illustrated in Figure 9.
7. Figure 11 illustrates a GPR radiogram of a linear "flat topped" anomaly indicative of a suspected burial coffin located within the Warrensville West Cemetery. This burial is characteristic of multiple other

burials detected within the northeastern portion of Warrensville West Cemetery, which were without burial markers or monuments.

8. Figure 12 illustrates a GPR radiogram of a linear anomaly indicative of a burial shaft located within the Warrensville West Cemetery.
9. Figure 13 illustrates a GPR radiogram of multiple linear anomalies indicative of burials located within the Warrensville West Cemetery. These particular burials had markers or monuments located adjacent at the surface.
10. Figure 14 illustrates a GPR radiogram of two linear anomalies detected indicative of suspected burial vaults and an anomaly indicative of a suspected excavation. This excavation lies adjacent to the granite marker and memorial plaque indicating the final resting place of the Shakers of the North Union Society located within the Warrensville West Cemetery.
11. Figure 15 illustrates a GPR radiogram of an anomaly indicative of a suspected excavation, which is sloped from approximately one to five feet below ground surface. This excavation lies adjacent to the granite marker and memorial plaque indicating the final resting place of the Shakers of the North Union Society located within the Warrensville West Cemetery.

The conclusions in this report are based on MSG's interpretation of the field data obtained during the geophysical investigation, our understanding of the project and our experience during previous work with similar sites and subsurface conditions.

MSG appreciates the opportunity to provide GPR services to the City of Shaker Heights. If you have any questions concerning this GPR survey report, please feel free to contact the undersigned at 734-397-3100.

Sincerely,

Michael J. Friedhoff, CPG
Senior Geophysicist / Project Manager

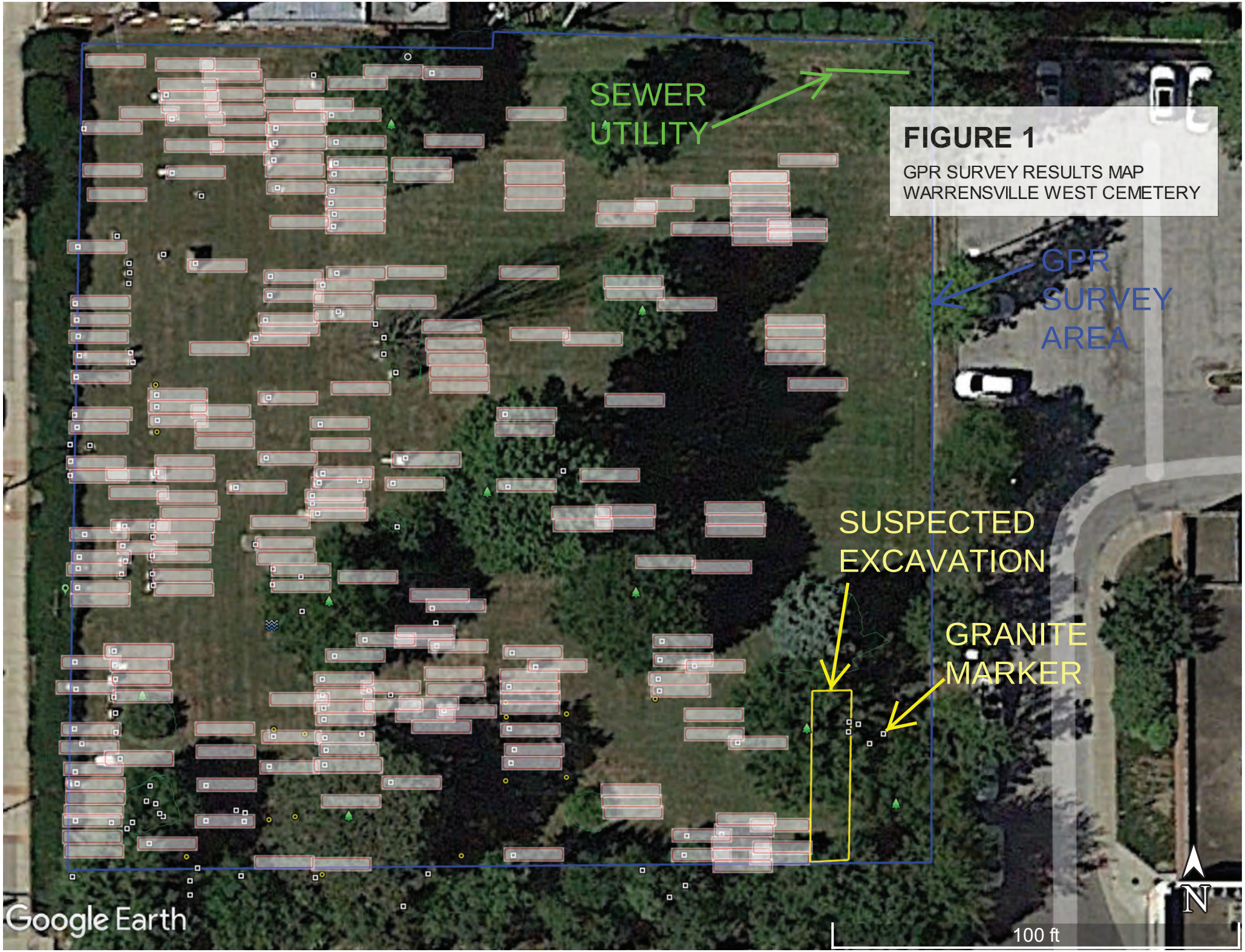

SEWER UTILITY
FIGURE 1
GPR SURVEY RESULTS MAP
WARRENSVILLE WEST CEMETERY
GPR SURVEY AREA
SUSPECTED EXCAVATION
GRANITE MARKER
Google Earth
N
100 ft

Figure 2 (left): View of the GPR survey grid flagging at the Warrensville West Cemetery, facing southwest.

Figure 3 (right): View of the GPR survey activities at the Warrensville West Cemetery, facing southeast.

Figure 4 (left): View of burial marker and GPR anomaly field marking of suspected burial (marked in pink) at the Warrensville West Cemetery, facing south.

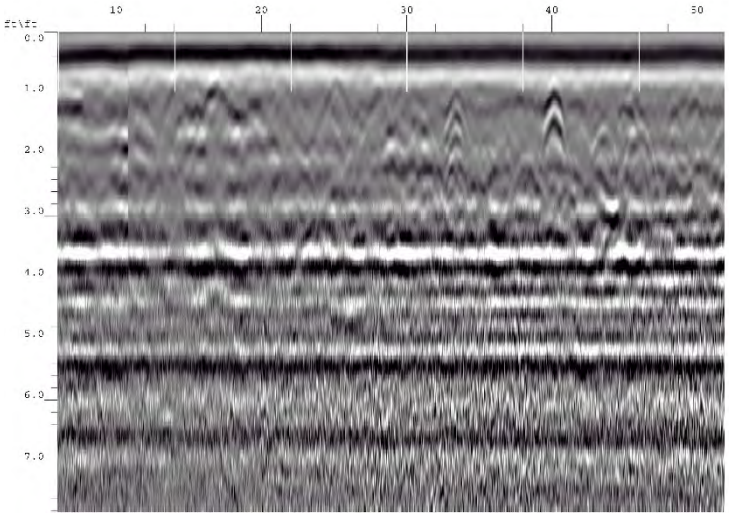


Figure 5 (left): GPR radiogram illustrating the representative signature of the clayey till soils and soil layers present across the Warrensville West Cemetery.

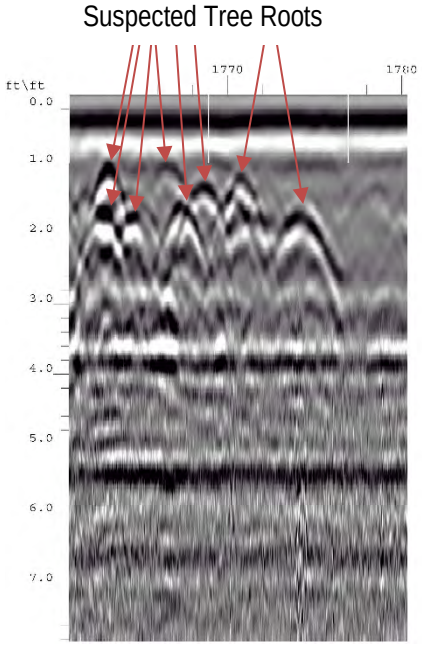


Figure 6 (right): GPR radiogram illustrating the hyperbolic response of multiple linear anomalies indicative of suspected tree roots encountered at the Warrensville west Cemetery..

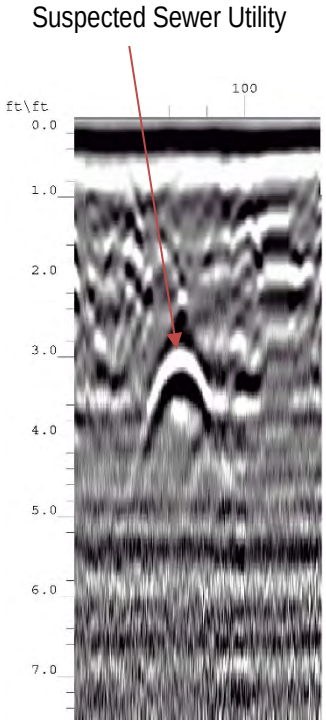
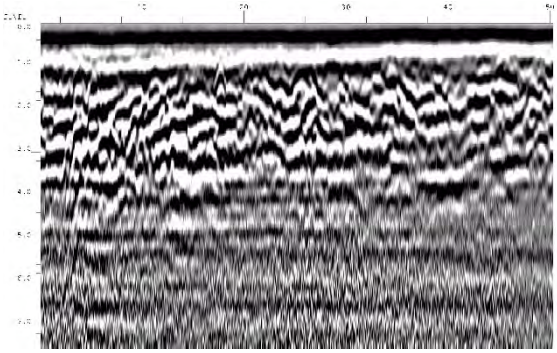


Figure 7 (left): GPR radiogram illustrating the hyperbolic response of a linear anomaly indicative of a subsurface utility that was detected from the sewer catch basin located in the northeast portion of the cemetery leading to the east towards the east cemetery boundary.

Figure 8 (below): GPR radiogram of suspected fill material from previous excavation activities at the Site located along the east retaining wall and north drainage area within the cemetery. While fill material can be a source of interference to detection of burials during a GPR survey, only a small portion of the cemetery appears to contain fill material that interferes with burial detection.



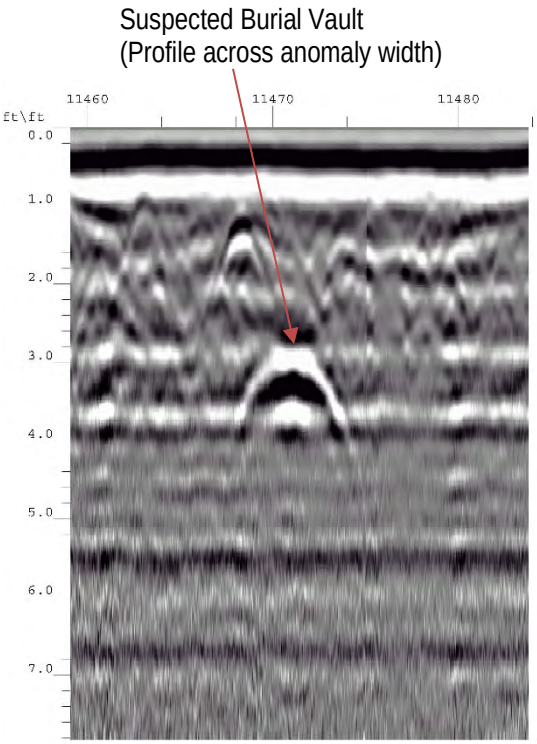


Figure 9 (left): GPR radiogram of a linear anomaly indicative of a suspected burial vault located within the Warrensville West Cemetery. Note how the wider hyperbolic response of a suspected burial vault (across the width of the vault) is different than that of the hyperbolic response of a cylindrical utility structure in Figure 7.

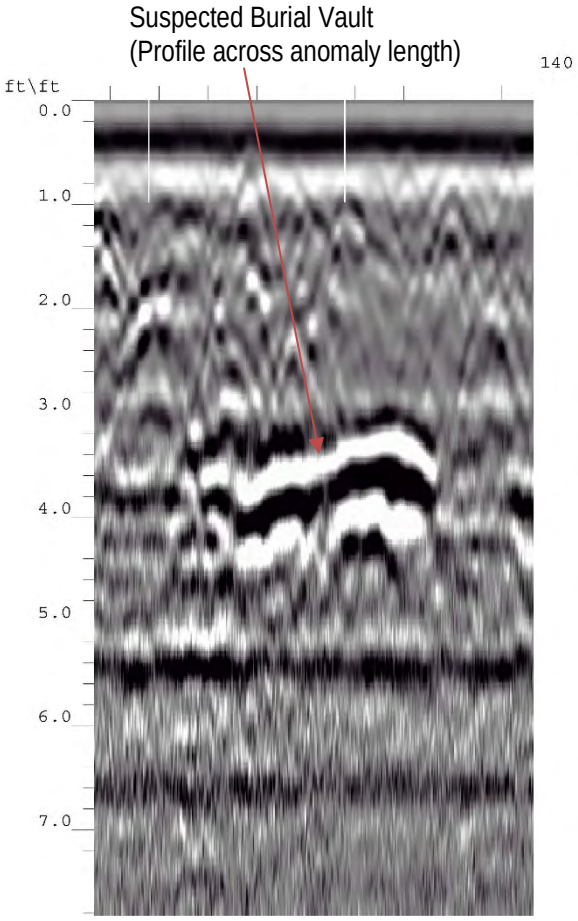


Figure 10 (right): GPR radiogram of a linear anomaly indicative of a suspected burial vault located within the Warrensville West Cemetery. Note how the longer "flat topped" response of a suspected burial vault (across the length of the vault) is different than that of the hyperbolic response across the width of a burial in Figure 9.

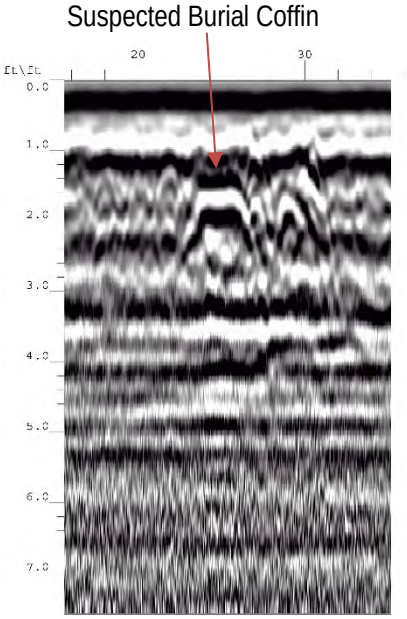


Figure 11 (left): GPR radiogram of a linear "flat topped" anomaly indicative of a suspected burial coffin located within the Warrensville West Cemetery. This burial is characteristic of multiple other burials detected within the northeastern portion of Warrensville West Cemetery, which were without burial markers or monuments.

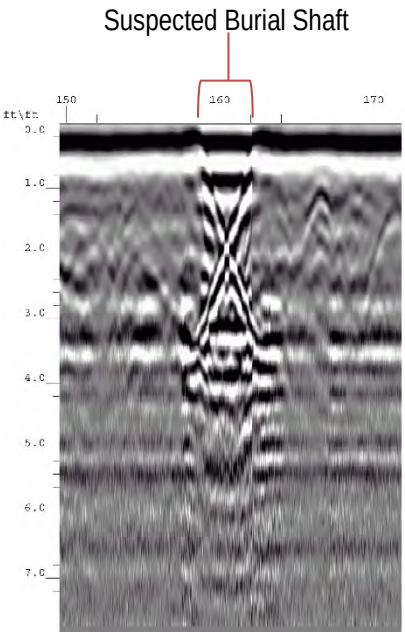


Figure 12 (left): GPR radiogram of a linear anomaly indicative of a burial shaft located within the Warrensville West Cemetery.

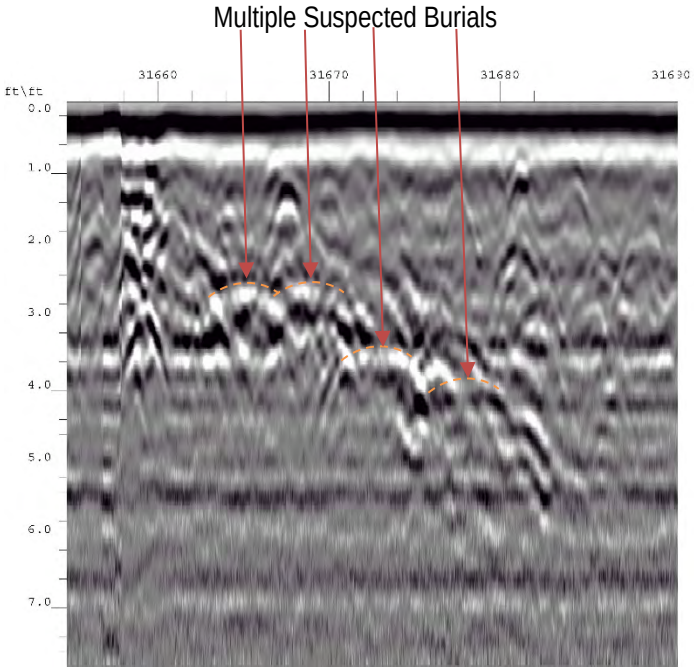


Figure 13 (right): GPR radiogram of multiple linear anomalies indicative of burials located within the Warrensville West Cemetery. These particular burials had burial markers or monuments located adjacent at the surface.

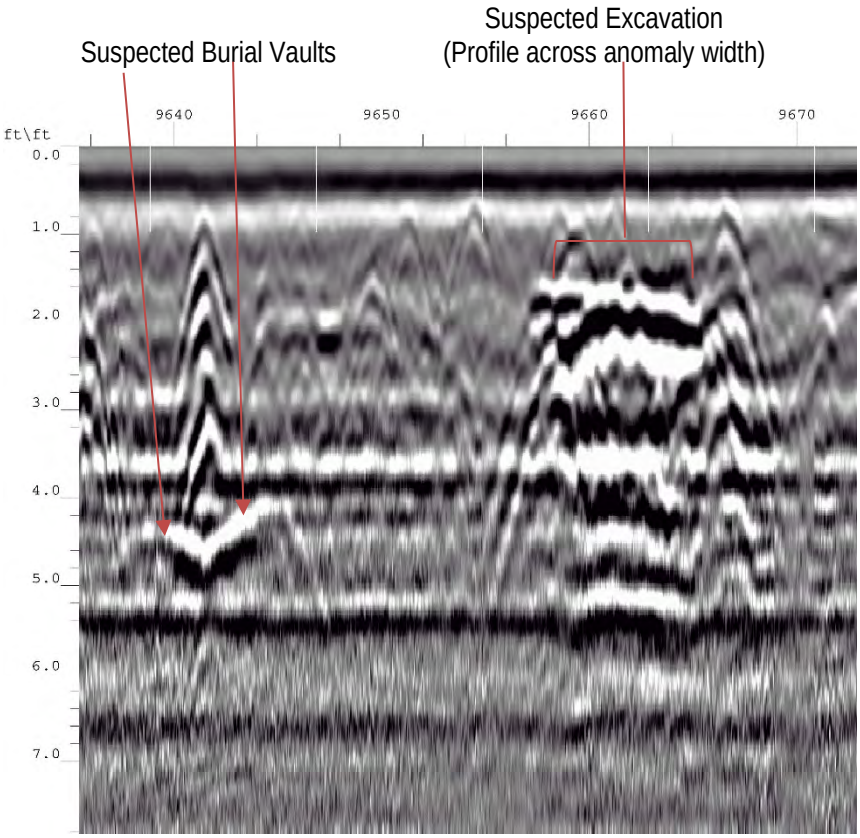


Figure 14 (left): GPR radiogram of two linear anomalies indicative of suspected burial vaults and an anomaly indicative of a suspected excavation. This excavation lies adjacent to the granite marker and memorial plaque indicating the final resting place of the Shakers of the North Union Society located within the Warrensville West Cemetery.

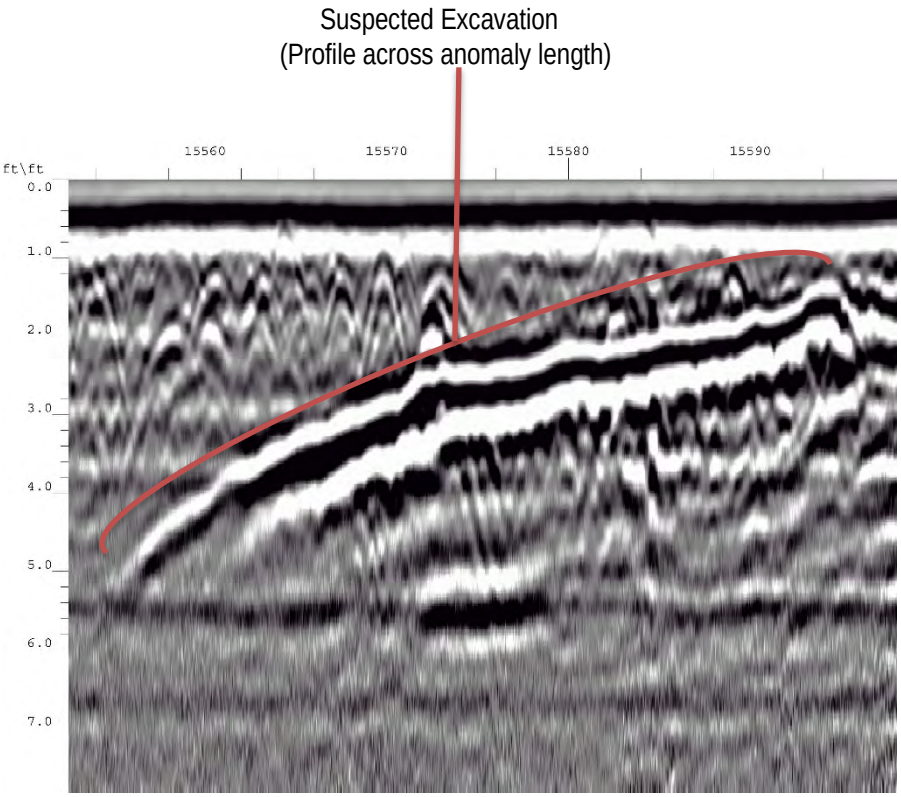


Figure 15 (left): GPR radiogram of an anomaly indicative of a suspected excavation, which is sloped from approximately one to five feet below ground surface. This excavation lies adjacent to the granite marker and memorial plaque indicating the final resting place of the Shakers of the North Union Society located within the Warrensville West Cemetery.

APPENDIX B

CONSERVATION INVENTORY

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
1	1	DUNSHEE	LAURA T.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
2	2	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bushes, may be broken below grade	Clean, treat biological growth, remove bushes, reset plumb at correct height,may need base	1 urgent
3	3	KENT	GEORGE T.	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, impacted by bushes, sunken base, missing mortar	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar	1 urgent
4	4	KENT	HARRIETT M.	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar	1 urgent
5	5	MC CULLOCH	ORPHAH	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, 2 fragments, missing or sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar	1 urgent
6	6	MC CULLOCH	MIRANDA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar	1 urgent
7	7	MC CULLOCH	DAVID	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, 2 fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
8	8	BALL	ORPHAH	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, fragment in base, missing fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar	1 urgent
9	9	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
10	10	KENT	E.A.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, tilted, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
11	11	CODDINGTON	AMERILA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, 3 fragments, sunken base, concrete, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar	1 urgent
12	12	KENT	MARYETTA	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, caulk, pins, impacted by bushes	Clean, treat biological growth, remove bushes, remove caulk, remove pins, reset plumb, reset die with lime mortar	1 urgent
13	13	BALL	SAMANTHA	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, fragment in base, missing fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar	1 urgent
15	14	KNEALE	THOMAS	MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen with base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
16	15	KNEALE	ELEANORE	MARBLE		Ambient dirt, biological growth, leaning, impacted by bushes, concrete	Clean, treat biological growth, remove bushes, remove concrete, reset plumb at correct height	1 urgent
17	16	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen with base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
18	17	HONNISETT	ELENOR	MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen, broken base, pins, impacted by bushes	Clean, treat biological growth, remove bushes, reattach base with restoration mortar, reset base plumb, reset tablet with lime mortar	1 urgent
19	18	SAYLE	REV. JOHN	GRANITE	TABLET	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
20	19	CALLOW	WILLIAM	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing mortar, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar	1 urgent
21	20	COLLISTER	THOMAS & ANN	GRANITE	PEDESTAL	Ambient dirt, biological growth, leaning, caulk, set on rubble, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar	1 urgent
22	21	COLLISTER	JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, 3 fragments, concrete, sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
23	23	KEWISH	WM. & ANN	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing urn, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar	1 urgent
24	24	CAINE	WILLIAM	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, pins, base leaning, impacted by bushes	Clean, treat biological growth, remove bushes, remove pins, reset base plumb, reset die with lime mortar	1 urgent
14	24	KEWISH	W.T.	MARBLE	MARKER	Ambient dirt, biological growth, sunken, check location	Clean, treat biological growth, remove bushes, reset plumb at correct height & location	2 needs attention
25	25	DUFF	WILLIE	GRANITE	MARKER	Ambient dirt, biological growth, leaning, sunken, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
43	26	BOYD	JAMES	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, set on rubble, caulk	Clean, treat biological growth, remove rubble & caulk	3 monitor
42	27	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, concrete, surface cracks	Clean, treat biological growth, reset base plumb, remove concrete, reset tablet with lime mortar, fill cracks	1 urgent
41	28	STEVENSON	JANE LORD	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, caulk, impacted by bushes	Clean, treat biological growth, remove or trim bush, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
40	29	STEVENSON	THOMAS	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, loose in base, caulk, concrete	Clean, treat biological growth, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention
39	30	STEVENSON	UNKNOWN	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, loose in base, caulk, concrete	Clean, treat biological growth, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention
38	31	LORD	THOMAS	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, caulk, chipped base	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar	2 needs attention
37	32	LORD	ISABELLA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken 2 fragments, base broken	Clean, treat biological growth, reattach base fragments with restoration mortar, reset plumb, reattach fragments	1 urgent
36	33	STEVENSON	WILLIAM	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, caulk, sunken base	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar	2 needs attention
35	34	DUDGEON	ISABELLA CALEY	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, caulk, concrete, mower damage	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
34	35	CALEY	THOMAS	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
33	36	CALEY	PATRICK	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
32	37	CALEY	JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, caulk, missing mortar	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
31	38	HOLISTER	LUTHER	MARBLE	TABLET	Ambient dirt, biological growth, leaning, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height	1 urgent
30	39	HOLISTER	APPLETON	MARBLE	TABLET	Ambient dirt, biological growth, leaning, tilted	Clean, treat biological growth, reset tablet plumb at correct height	1 urgent
29	40	UNKNOWN		CONCRETE	TAB/BASE	Concrete with fragment encased, missing stone	Locate stone	3 monitor
28	41	CONKEY	SYLVIA M.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height	2 needs attention
27	42	CONKEY	LAURA	MARBLE	TABLET	Ambient dirt, biological growth, leaning, sunken, caulk, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
26	43	UNKOWN	BASE	CONCRETE	TAB/BASE	base with stone fragment, missing stone	Locate stone	3 monitor
44	44	BEACH	ELECTA	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken 2 fragments, caulk, sugaring of fragment	Clean, treat biological growth, remove caulk, reset tablet plumb at correct height, reattach fragment	1 urgent
45	45	UNKNOWN		FIELD STONE	TABLET	Ambient dirt, biological growth, leaning, surface cracks	Clean, treat biological growth, reset tablet plumb at correct height, fill cracks	1 urgent
46	46	UPSON	LYDIA	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken 2 fragments, laid flat in concrete	Clean, treat biological growth, reset tablet at correct height to prevent flooding	1 urgent
47	47	BURCHARD	EMMA J.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, broken - old repair, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height, fill cracks	2 needs attention
52	49	MILLER	JOSEPH & MARTHA	MARBLE	DIE/BASE	Ambient dirt, biological growth, caulk residue	Clean, treat biological growth, remove caulk	2 needs attention
53	50		ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning & loose, broken base, concrete,	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
54	51	CALLOW	WILLIAM	MARBLE	TAB/BASE	Base with stone fragment, missing stone	Locate stone	3 monitor
55	52	CALLOW	MARGARET	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
56	53	REINHART	EUNICE CALLOW	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
57	54	CALLOW	JAMES	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
60	55	GILL	ISABELLA	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height	1 urgent
66	57	CAINE	JOHN	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, concrete residue, failed repair	Clean, treat biological growth, reset base plumb, remove concrete, reset die with lime mortar, reattach fragments	1 urgent
65	58	BASE		SAND STONE	DIE/BASE	Missing die, cracks in plinth	Locate stone	3 monitor

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
64	59	BLISH	PHILENA	GRANITE	DIE/BASE	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
63	60	UNKNOWN		MARBLE	TABLET	Ambient dirt, biological growth, set flat into concrete	Clean, treat biological growth, reset tablet at correct height to prevent flooding	2 needs attention
70	61	COWEN	JNO	MARBLE	VET TABLET	Ambient dirt, biological growth, leaning, concrete rubble, surface cracks	Clean, treat biological growth, remove rubble, reset plumb at correct height	workshop
	62	BASE		GRANITE	BASE ONLY	Missing die/monument	Locate stone	3 monitor
71	63	RADCLIFFE	FRANCES	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, base broken, pins	Clean, treat biological growth, reset base plumb, reset die with lime mortar	1 urgent
72	64	CAINE	WILLIAM	MARBLE	DIE/BASE	Ambient dirt, biological growth, concrete, old repair, sugaring, caulk	Clean, treat biological growth, remove concrete & caulk, reset base plumb, reset die with lime mortar	2 needs attention
73	65	KENT	TRUMAN CATHARINE EMMA	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, tilted, impacted by bushes	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
88	66	KELLEY	E.T.	MARBLE	VET TABLET	Ambient dirt, biological growth, leaning, sunken	Clean, treat biological growth, reset plumb at correct height	1 urgent
87	67	KELLY	JOHN, ANN, EDWARD, CATHERINE, ALMIRA	GRANITE	OBELISK	Ambient dirt, biological growth, leaning more that 35°, tilted	Clean, treat biological growth, reset base plumb, reassemble with lime mortar	1 urgent
98	68	PRENTISS	L.R.	MARBLE	OBELISK	Ambient dirt, biological growth, leaning, missing mortar	Clean, treat biological growth, reset base plumb, reassemble with lime mortar	1 urgent
83	69	MEYNE	ROSINA M.	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, sunken base	Clean, treat biological growth, reset base plumb, reset die with lime mortar	2 needs attention
82	70	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, 2 fragments, concrete, caulk, failed epoxy repair	Clean, treat biological growth, remove concrete & epoxy residue, reset base plumb, reattach fragments	1 urgent
81	71		HENRY	MARBLE	TABLET	Ambient dirt, biological growth, set flat into concrete	Clean, treat biological growth, reset tablet at correct height to prevent flooding	2 needs attention
80	72	ADAMS	LYDIA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, leaning more than 50°	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
79	73	CHURCH	SARAH M.	SILT STONE	TABLET	Ambient dirt, biological growth, leaning, tilted, delaminating	Clean, treat biological growth, reset base & tablet plumb	1 urgent
78	74	ADAMS	JOHN	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, 2 fragments	Clean, treat biological growth, reset base plumb, reattach fragments	1 urgent
77	75	ADDISON	WILLIAM	MARBLE	TABLET	Ambient dirt, biological growth, set flat into concrete	Clean, treat biological growth, reset tablet at correct height to prevent flooding	3 monitor
76	76	CORLETT	WILLIAM H.	MARBLE	TAB/BASE	Ambient dirt, biological growth, tilted	Clean, treat biological growth, reset base & tablet plumb	2 needs attention
75	77	CORLETT	ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, tilted, base corners chipped	Clean, treat biological growth, reset base & tablet plumb	2 needs attention
74	78	CORLETT	ROBERT	GRANITE	MARKER	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
89	79	EASTWOOD	ALFRED	GRANITE	DIE/BASE	Ambient dirt, biological growth, fallen, base leaning	Clean, treat biological growth, reset base plumb, reset die with lime mortar	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
99	80	CARRAN	ROBERT	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, base sunken	Clean, treat biological growth, reset base plumb, reset die with lime mortar	2 needs attention
100	81	CARRAN	ANN	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, tilted, caulk, base corners chipped	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar	2 needs attention
101	82	CARRAN	WILLIAM W.	MARBLE	TAB/BASE	Ambient dirt, biological growth, caulk, missing mortar	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar	2 needs attention
102	83	CARRAN	GEORGE W.	MARBLE	TAB/BASE	Ambient dirt, biological growth, caulk, missing mortar, base corners chipped	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar	2 needs attention
103	84	CARRAN	ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, concrete	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar	2 needs attention
104	85	CARRAN	MARY	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, base sunken	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar	1 urgent
105	86	CARRAN	ELLEN JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, base sunken	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
106	87	CARRAN	MRS. ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar	2 needs attention
107	88	RADCLIFFE	THOMAS	SILT STONE	TABLET	Ambient dirt, biological growth, tilted, leaning, set too high, chipped edges	Clean, treat biological growth, reset plumb at correct height	1 urgent
108	89	RADCLIFFE	THOMAS (29 YR.)	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, sunken, missing base	Clean, treat biological growth, locate base, reset tablet with lime mortar	1 urgent
109	90	KNEALE	JOHN	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height	1 urgent
91	91	BASE		SAND STONE	BASE ONLY	Ambient dirt, biological growth, base cracked, missing stone	Locate stone	3 monitor
92	92	BELL	MOORE	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, sunken base	Clean, treat biological growth, reset base plumb, reset die with lime mortar	1 urgent
93	93	BELL	MOOR, ANNIS, CLARISSA, SAMANTHA	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, tilted, caulk, missing mortar	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
94	94	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, sunken base	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar	2 needs attention
95	95	UNKNOWN			BASE ONLY	Ambient dirt, biological growth, sunken base, missing stone	Locate stone	3 monitor
96	96		JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 3 fragments, sunken & leaning base, failed concrete repair	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar, reattach fragments	1 urgent
	97	SETTLERS	FIRST	CONCRETE FORM	BRONZE PLAQUE	Ambient dirt, biological growth, good condition, small crack in concrete base	Clean, treat biological growth	3 monitor
110	98	WADE		GRANITE	DIE/BASE	Ambient dirt, biological growth, good condition	Clean, treat biological growth	3 monitor
118	99	SCHUMACHER	HAZEL	GRANITE	CYLINDER	Ambient dirt, biological growth, leaning, sunken base, caulk, chipped edges	Clean, treat biological growth, remove caulk, reset base plumb, reset die with lime mortar	2 needs attention
122	100	RADCLIFFE	JOHN	MARBLE	TREE	Ambient dirt, biological growth, leaning, moved off center, caulk, sunken base	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
121	101	BROGDEN	MARY	SILT STONE	TABLET	Ambient dirt, biological growth, fallen, delaminating on face	Clean, treat biological growth, reset plumb at correct height	workshop
120	102	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, sunken base	Clean, treat biological growth, reset base plumb, reset die with lime mortar	1 urgent
119	103	KAISE	MARY, EMORY, EVA	ZINC	MARKER	Ambient dirt, biological growth, sunken, overgrown	Clean, treat biological growth, reset plumb at correct height	workshop
123	104A	STILES	ASA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, sunken, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
	104B	STILES	UNKNOWN	SAND STONE	BASE ONLY	Ambient dirt, biological growth, sunken, impacted by bush/tree, missing stone, may be associated with #104A	Clean, treat biological growth, trim or remove bushes, locate stone, reset tablet with lime mortar	1 urgent
124	104	STILES	REBECCA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar	1 urgent
125	105	STILES	48 YRS	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
	105A	STILES	UNKNOWN	MARBLE	BASE ONLY	Ambient dirt, biological growth, sunken, impacted by bush/tree, missing stone, may be associated with #105	Clean, treat biological growth, trim or remove bushes, locate stone, reset tablet with lime mortar	1 urgent
126	106	STILES	BETSEY	MARBLE	TABLET	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar	1 urgent
127	107	FISH	CALVIN	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height	2 needs attention
128	108	STILES	HIRAM, MARTHA, CHLOE, MANDANA	MARBLE	OBELISK	Ambient dirt, biological growth, broken, 2 fragments, leaning, missing mortar	Clean, treat biological growth, reset base plumb, reassemble with lime mortar, reattach fragments	1 urgent
129	109	UNKNOWN		MARBLE	TABLET	Ambient dirt, biological growth, fallen, sunken	Clean, treat biological growth, reset plumb at correct height	1 urgent
131	110	EDWARDS	SAXTON	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base	Clean, treat biological growth, locate base, reset tablet with lime mortar	1 urgent
133	111	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, broken, many fragments	Clean, treat biological growth, reset plumb at correct height, reattach fragments	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
134	112	KENT	ANDREW & ALMIRA	GRANITE	DIE/BASE	Ambient dirt, biological growth, tilted, leaning, impacted by bushes	Clean, treat biological growth, trim or remove bushes, reset base plumb, reassemble with lime mortar	1 urgent
140	113	JONES	EARL KENNETH	GRANITE	FLAT	Ambient dirt, biological growth, good condition	Clean, treat biological growth	workshop
139	114	GIBBS	SAMUEL, MYRA	GRANITE	DIE/BASE	Ambient dirt, biological growth, fallen, chipped corners	Clean, treat biological growth, reset base plumb, reset die with lime mortar	2 needs attention
138	115	WARREN	MOSES & SARAH	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, tilted, caulk	Clean, treat biological growth, remove caulk, reset base plumb, reset die with lime mortar	2 needs attention
137	116	UNKNOWN	AGED 91 YR 1 M 5 DYS	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, many fragments, missing material	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar	2 needs attention
136	117	UNKNOWN	I.SHERMAN	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, many fragments, missing material	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar	2 needs attention
135	118	UNKNOWN	AGED 78 YR	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, missing material	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar, reattach fragments	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
	119	UNKNOWN		MARBLE	BASE ONLY	Ambient dirt, biological growth, sunken foundation stone, broken plinth, missing die	Clean, treat biological growth, locate die, reset base plumb, reassemble plinth with restoration mortar, reset die with lime mortar	2 needs attention
	120	UNKNOWN	THER	MARBLE	TABLET	Ambient dirt, biological growth, sunken, corner broken, missing material, impacted by tree	Clean, treat biological growth, remove from roots, reset plumb	2 needs attention
148	121	ADAMS	JOHN E. & BELINDA	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, tilted	Clean, treat biological growth, reset plumb at correct height	2 needs attention
144	122	WARREN, WOODWARD	WILLIAM & GEORGE	GRANITE	DIE/BASE	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
146	123	WARREN	ADDIE L.	GRANITE	CYLINDER	Ambient dirt, biological growth, leaning, caulk, base chipped	Clean, treat biological growth, remove caulk, reset base plumb, reset die with lime mortar	2 needs attention
147	124	PRENTISS	JAMES & BETSEY	GRANITE	MARKER	Ambient dirt, biological growth, leaning more than 45°, chipped edges	Clean, treat biological growth, reset plumb at correct height	1 urgent
149	125	KNITTEL	SYLVESTER, KATHARINA	MARBLE	WOW TREE	Ambient dirt, biological growth, leaning, chipped around bottom edge	Clean, treat biological growth, reset plumb at correct height	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
155	126	MEYNE, EIDAM	WM. D., PETER	GRANITE	DIE/BASE	Ambient dirt, biological growth, fallen, sunken & leaning base	Clean, treat biological growth, reset base plumb at correct height, reset die with lime mortar	2 needs attention
150	127	CORLETT	EDWARD & MARY	GRANITE	OBELISK	Ambient dirt, biological growth, leaning, set on rubble, impacted by bushes	Clean, treat biological growth, remove rubble & bushes, reset base plumb,reassemble with lime mortar	1 urgent
160	128	HENWOOD	WILLIAM B.	GRANITE	FLAT	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
162	129	KOEHLER	ALBERT E.	GRANITE	MARKER	Ambient dirt, biological growth, leaning, sunken, chipped top edge, missing material	Clean, treat biological growth, reset plumb at correct height	2 needs attention
163	130	M.	J.	SILT STONE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height	2 needs attention
163	131	WARR…		MARBLE	TABLET	Ambient dirt, biological growth, sunken, chipped	Clean, treat biological growth, reset plumb at correct height	2 needs attention
163	132	J.	E.	SILT STONE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
163	133	RUSSELL	LYDIA	MARBLE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height	2 needs attention
164	134	SHAKER SOCIETY		BRONZE	BOULDER	Ambient dirt, biological growth, good condition, plaque is missing two screws	Clean, treat biological growth, replace missing screws	3 monitor
61	135	GILL	JOHN	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height	1 urgent
132	101A	BROGAN	MARY	SILT STONE	FOOT STONE	Ambient dirt, biological growth, fallen	Clean, treat biological growth, reset plumb at correct height	workshop
142	121A	ADAMS	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped edges	Clean, treat biological growth, reset plumb at correct height	workshop
143	121B	ADAMS	MOTHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped edges, missing material	Clean, treat biological growth, reset plumb at correct height	workshop
145	122A	WARREN	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
151	126A	EIDAM	MOTHER	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	workshop
152	126B	EIDAM	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, sunken, leaning	Clean, treat biological growth, reset plumb at correct height	2 needs attention
153	126C	EIDAM	PETER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped corners	Clean, treat biological growth, reset plumb at correct height	2 needs attention
154	126D	MEYNE	WILLIE	GRANITE	MARKER	Ambient dirt, biological growth, leaning, chipped corners	Clean, treat biological growth, reset plumb at correct height	2 needs attention
159	127A	CORLETT	MOTHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
158	127B	CORLETT	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent
157	127C	CORLETT	EDWARD	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
156	127D	CORLETT	CORA	GRANITE	MARKER	Ambient dirt, biological growth, fallen off concrete foundation, impacted by bushes	Clean, treat biological growth, remove bushes and concrete, reset plumb at correct height	1 urgent
23A	22	KEWISH	ANN	MARBLE	TABLET	Ambient dirt, biological growth, broken fragment, missing fragments, impacted by bushes	Clean, treat biological growth, remove bushes, locate fragments, reset plumb at correct location, reattach fragments with restoration mortar	2 Needs attention
62	26A	BOYD	MOTHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by bush/trees	Clean, treat biological growth, remove or trim bushes, reset plumb at correct height	1 urgent
	26B	BOYD	FATHER	GRANITE	MARKER	Ambient dirt, biological growth, leaning, sunken, impacted by bush/trees	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height	1 urgent
59	26C	BOYD	ANN	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by bush/trees	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height	1 urgent
58	26D	BOYD	CATHERINE	GRANITE	MARKER	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height	1 urgent
	26E	BOYD	BERTHA	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, pins, missing base, impacted by trees	Clean, treat biological growth, trim or remove bushes, remove pins, locate & reset base plumb, reset die with lime mortar	1 urgent

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
49	48A	CORLETT	MARGARET	GRANITE	MARKER	Ambient dirt, biological growth, sunken corner	Clean, treat biological growth, reset tablet plumb at correct height	2 needs attention
50	48B	CORLETT	ELLEN JANE	GRANITE	MARKER	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
51	48C	CORLETT	MARY ANN	GRANITE	MARKER	Ambient dirt, biological growth, good condition	Clean, treat biological growth	4 no action
67	56A		MOTHER	GRANITE	CYLINDER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention
68	56B		EMMA	GRANITE	CYLINDER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention
69	56C		FATHER	GRANITE	CYLINDER	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar	2 needs attention
86	67A	KELLY	MOTHER	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, sunken, concrete	Clean, treat biological growth, remove concrete, reset die with lime mortar	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
85	68A	PRENTISS	L.R.	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, tilted, pins, missing mortar	Clean, treat biological growth, remove concrete, reset die with lime mortar	2 needs attention
84	68B	PRENTISS	ABIGAIL	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen base, stone may be under grass	Clean, treat biological growth, reset base plumb, reset die with lime mortar	2 needs attention
111	98A	WADE	DAVID	GRANITE	MARKER	Ambient dirt, biological growth, tilted, sunken	Clean, treat biological growth, reset plumb at correct height	2 needs attention
112	98B	WADE	THOMAS (1868)	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention
113	98C	WADE	MARIA	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention
114	98D	WADE	ELLEN	GRANITE	MARKER	Ambient dirt, biological growth, leaning	Clean, treat biological growth, reset plumb at correct height	2 needs attention
115	98E	WADE	THOMAS (1858)	GRANITE	MARKER	Ambient dirt, biological growth, leaning, tilted	Clean, treat biological growth, reset plumb at correct height	2 needs attention

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT	PRIORITY
116	98F	WADE	EDWARD	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention
117	98G	WADE	HENRY	GRANITE	MARKER	Ambient dirt, biological growth, tilted, set too high	Clean, treat biological growth, reset plumb at correct height	2 needs attention

APPENDIX C

CONSERVATION CONDITION ASSESSMENT

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	1
Lot #	1
Name	Dunshee, Laura T.
Date of Death	
Material	marble
Marker Type	tablet
Inscription	unreadable
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	2
Lot #	2
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet
Inscription	unreadable
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	3
Lot #	3
Name	Kent, George T.
Date of Death	April 30, 1884
Material	marble
Marker Type	die with base
Inscription	GEORGE T. KENT/Born/in Washington, Mass./MAY 5, 1799/Died/in Warrensville/Apr 30, 1884
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes, sunken base, missing mortar
Recommendations	Clean, treat biological growth, remove bushes, reset base plumb at correct height, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	4
Lot #	4
Name	Kent, Harriet M.
Date of Death	
Material	marble
Marker Type	die with base
Inscription	HARRIET M./Wife of/GEORGE KENT/…/…/DEPARTED THIS LIFE/…/…
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes, concrete
Recommendations	Clean, treat biological growth, remove bushes, reset base plumb at correct height, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	5
Lot #	5
Name	McCulloch, Orphah
Date of Death	Nov. 27, 1836
Material	marble
Marker Type	tablet with base
Inscription	In/Memory of/[Orphah] McCulloch/DIED/Nov. 27, 1836/Aged 30 years
Stone Condition	Ambient dirt, biological growth, fallen, missing base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, create below grade base, reset tablet into base with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	6
Lot #	6
Name	McCulloch, Miranda
Date of Death	Oct. 1, 1856
Material	marble
Marker Type	tablet with base
Inscription	In Memory of/Our Beloved Mother/MRS. MIRANDA McCULLOCH/DEPARTED THIS LIFE/Oct. 1, 1856/Aged 76 Years/4 Mns & 10 days
Stone Condition	Ambient dirt, biological growth, fallen, broken at base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, create below grade base, reset tablet into base with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	7
Lot #	7
Name	McCulloch, David
Date of Death	Dec.24, 1842
Material	marble
Marker Type	tablet with base
Inscription	In/Memory of/DAVID McCULLOCH/DIED/Dec. 24, 1842/Aged 70 Years
Stone Condition	Ambient dirt, biological growth, fallen, broken at base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, create below grade base, reset tablet into base with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	8
Lot #	8
Name	Ball, Orphah
Date of Death	Aug. 30, 1860
Material	marble
Marker Type	tablet with base
Inscription	ORPHAH/Wife of/CHARLES H. BALL/Eldest Daughter of/GEO. & HARRIET KENT/Departed this Life/Aug.30,1860/Aged 26 Yrs. 8 M.
Stone Condition	Ambient dirt, biological growth, , impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, create below grade base, reset tablet into base with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	9
Lot #	9
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	unreadable
Stone Condition	Ambient dirt, biological growth, fallen, broken at base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height, re-point with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	10
Lot #	10
Name	Kent, E. A.
Date of Death	
Material	marble
Marker Type	tablet (veteran)
Inscription	E. A. KENT/CO.A./124TH OHIO INF.
Stone Condition	Ambient dirt, biological growth, leaning, tilted, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	11
Lot #	11
Name	Coddington, Amerilla
Date of Death	Feb. 12, 1842
Material	marble
Marker Type	tablet with base
Inscription	AMERILA/Wife of/J.H. CODDINGTON/DIED/Feb. 12, 1842
Stone Condition	Ambient dirt, biological growth, fallen, 3 fragments, laid flat in concrete, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height to prevent flooding

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	12
Lot #	12
Name	Kent, Maryetta
Date of Death	July 27, 1859
Material	marble
Marker Type	die with base
Inscription	MARYETTA/Wife of/EDWINA. KENT/Departed this life/July 27, 1859/IN THE/ 28th Year of her age/ALSO/GEORGE H./Infant Son of/E.A. & M. KENT/Aged 1 mo. 12 ds. /MARBLE, BEDFORD
Stone Condition	Ambient dirt, biological growth, fallen, sunken base, caulk, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove caulk, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	13
Lot #	13
Name	Ball, Samantha
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	SAMANTHA
Stone Condition	Ambient dirt, biological growth, loose in wrong base, sunken base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, locate correct base, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	14
Lot #	15
Name	Kneale, Thomas
Date of Death	May 5, 1864
Material	marble
Marker Type	die with base
Inscription	THOMAS KNEALE/DIED May 5, 1864/AGED 80 YEARS
Stone Condition	Ambient dirt, biological growth, fallen, pins, concrete, sunken base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove pins & concrete, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	15
Lot #	16
Name	Kneale, Eleanore
Date of Death	March 8, 1852
Material	marble
Marker Type	die with base
Inscription	ELEANORE/WIFE OF/THOMAS KNEALE/DIED Mar. 8, 1852/AGED 78 YEARS, 6 M.
Stone Condition	Ambient dirt, biological growth, leaning, concrete, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove concrete, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	16
Lot #	17
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	
Stone Condition	
	Ambient dirt, biological growth, leaning, concrete, impacted by bushes
Recommendations	
	Clean, treat biological growth, remove bushes, remove concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	17
Lot #	18
Name	Honnisett, Elenor
Date of Death	Jan. 6, 1880
Material	marble
Marker Type	tablet with base
Inscription	ELENOR/Wife of/WILLIAM HONNISETT/And only Daughter of/WM. & E.R. COWLEY/Died Jan. 6, 1880/Aged 4 (7) Yrs. (4) M. 18 D.
Stone Condition	Ambient dirt, biological growth, fallen, broken base, pins, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove pins, reattach base fragments, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	18
Lot #	19
Name	Sayle, Rev. John & Catherine
Date of Death	1827 & 1858
Material	granite
Marker Type	tablet
Inscription	REV. JOHN SAYLE/1766-1827/CATHERINE/HIS WIFE/1770-1858
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	19
Lot #	20
Name	Callow, William & Isabella
Date of Death	May 15, 1881 & March 29, 1891
Material	marble
Marker Type	pedestal
Inscription	WILLIAM CALLOW/died/May 15, 1881/Aged/71 Years/ISABELLA/HIS WIFE/DIED MAR. 29, 1891/AGED 79 YEARS
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing mortar, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	20
Lot #	21
Name	Collister, Thomas & Ann
Date of Death	1891 & 1884
Material	granite
Marker Type	pedestal
Inscription	THOMAS COLLISTER/1807-1891/ANN/HIS WIFE/1822-1884/JANE COLLISTER/1786-1862
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, caulk, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	21
Lot #	22
Name	Collister, Jane
Date of Death	Feb. 6, 1862
Material	marble
Marker Type	tablet with base
Inscription	In memory of/JANE COLLISTER/who died/Feb. 6, 1862/Aged 76 Years
Stone Condition	Ambient dirt, biological growth, fallen, broken, 3 fragments, concrete, sunken base, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	22
Lot #	23A
Name	Kewish, Ann
Date of Death	Oct. 21, 1835
Material	marble
Marker Type	tablet fragment
Inscription	Oct. 21,
Stone Condition	Ambient dirt, biological growth, fallen, broken, many fragments, missing fragments, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, locate fragments, reset plumb at correct location, reattach fragments with restoration mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	23
Lot #	23
Name	Kewish, William & Ann
Date of Death	Oct. (21, 1849) & Oct. 21, 1835
Material	marble
Marker Type	pedestal
Inscription	WM. F. KEWISH/DIED/Oct. (21, 1849)/AGED/41 Years & 6 Ms./ANN KEWISH/DIED/Oct. 21, 1835/Aged 35 years//JANE KEWISH/DIED/Aug. 20, 1872/Aged 76 Years/JOHN J. KEWISH/DIED/Feb. 3, 1889/Aged 56 Yrs.
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing urn, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	24
Lot #	24
Name	Caine, William
Date of Death	Dec. 11, 1866
Material	marble
Marker Type	die with base
Inscription	WILLIAM CAINE/DIED DEC. 11, 1866/AGED 60 YRS. -MS. 20 D
Stone Condition	Ambient dirt, biological growth, fallen, pins, base leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, remove pins, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	24
Lot #	14
Name	Kewish, W.T.
Date of Death	Dec. 11, 1866
Material	marble
Marker Type	marker
Inscription	W.T.K.
Stone Condition	Ambient dirt, biological growth, sunken, check location
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height & location

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	25
Lot #	25
Name	Duff, Willie
Date of Death	
Material	granite
Marker Type	marker
Inscription	WILLIE/
Stone Condition	Ambient dirt, biological growth, leaning, sunken, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26
Lot #	43
Name	Boyd, James & Eleanor
Date of Death	1900 & 1902
Material	granite
Marker Type	die with base
Inscription	JAMES BOYD/1821-1900/ELEANOR QUIGGIN HIS WIFE/1836-1902/CATHERINE CORLETT BOYD/1819-1859/ANN MYLREA BOYD/1822-1862
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, caulk
Recommendations	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26A
Lot #	62
Name	Boyd, Mother
Date of Death	
Material	granite
Marker Type	marker
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bush/trees
Recommendations	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26B
Lot #	63
Name	Boyd, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bush/trees
Recommendations	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

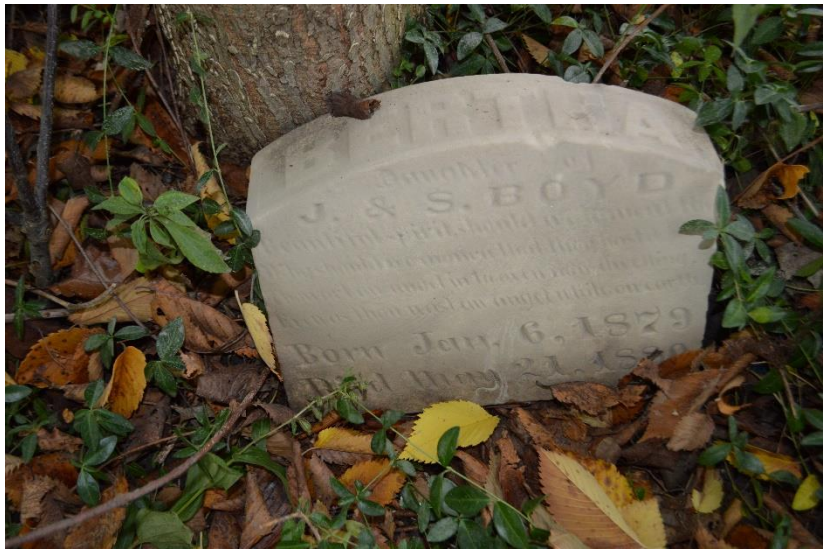
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26C
Lot #	59
Name	Boyd, Ann
Date of Death	
Material	granite
Marker Type	marker
Inscription	
	ANN
Stone Condition	
	Ambient dirt, biological growth, leaning, impacted by bush/trees
Recommendations	
	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26D
Lot #	58
Name	Boyd, Catherine
Date of Death	
Material	granite
Marker Type	marker
Inscription	CATHERINE
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bush/trees
Recommendations	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	26E
Lot #	
Name	Boyd, Bertha
Date of Death	
Material	marble
Marker Type	die with base
Inscription	BERTHA/daughter of/J. &S. BOYD//verse//Born Jan. 6, 1879/Died May 21, 1880
Stone Condition	Ambient dirt, biological growth, fallen, pins, missing base, impacted by trees
Recommendations	Clean, treat biological growth, trim or remove bushes, remove pins, locate & reset base plumb, reset die with lime mortar



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

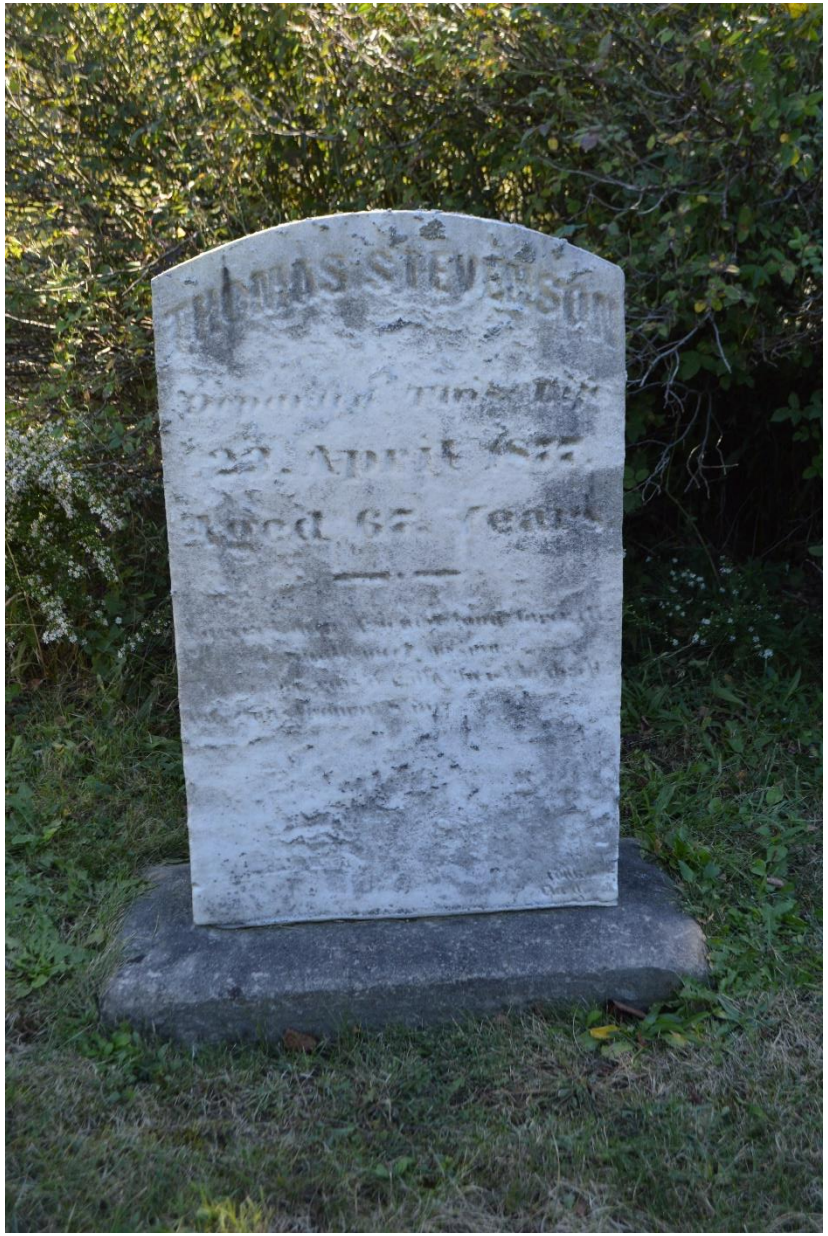
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	2
Lot #	42
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	Unreadable
Stone Condition	Ambient dirt, biological growth, fallen, concrete, surface cracks
Recommendations	Clean, treat biological growth, reset base plumb, remove concrete, reset tablet with lime mortar, fill cracks

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	28
Lot #	41
Name	Stevenson, Jane Lord
Date of Death	Feb. 21, 1884
Material	granite
Marker Type	die with base
Inscription	STEVENSON/JANE LORD/WIFE OF/THOMAS STEVENSON/BORN MAY 5, 1812/DIED FEB. 21, 1884/AT REST/EDWARD STEVENSON/1844-1883
Stone Condition	Ambient dirt, biological growth, leaning, caulk, impacted by bushes
Recommendations	Clean, treat biological growth, remove or trim bush, reset base plumb, remove caulk, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	29
Lot #	40
Name	Stevenson, Thomas
Date of Death	April 23, 1877
Material	marble
Marker Type	tablet with base
Inscription	THOMAS STEVENSON/Departed This Life/23, April 1877/Aged 67 Years//verse//
Stone Condition	Ambient dirt, biological growth, leaning, loose in base, caulk, concrete
Recommendations	Clean, treat biological growth, reset base plumb, remove caulk, reset die with lime mortar

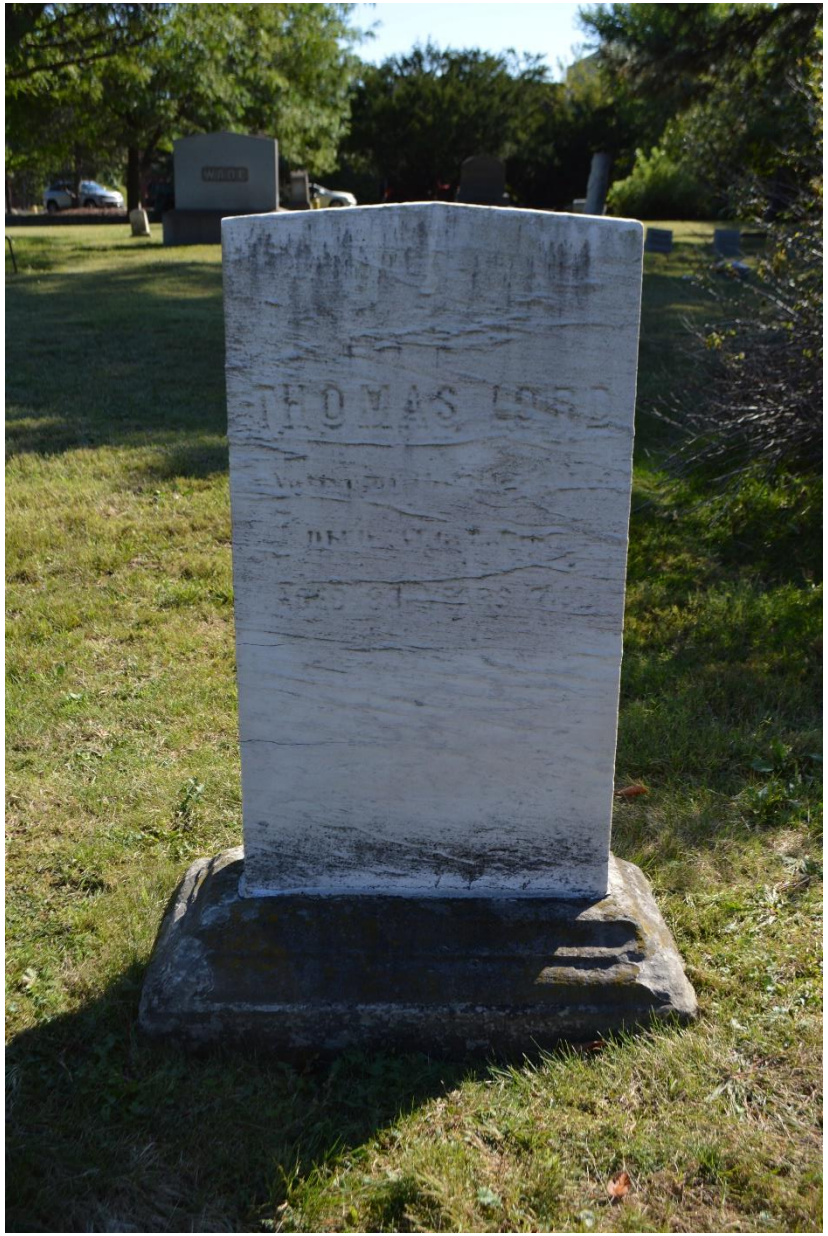


HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	30
Lot #	39
Name	Stevenson, Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	Unreadable
Stone Condition	Ambient dirt, biological growth, leaning, loose in base, caulk, concrete
Recommendations	Clean, treat biological growth, reset base plumb, remove caulk, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	31
Lot #	38
Name	Lord, Thomas
Date of Death	Aug. 7, 1864
Material	marble
Marker Type	tablet with base
Inscription	Unreadable
Stone Condition	Ambient dirt, biological growth, leaning, caulk, chipped base
Recommendations	Clean, treat biological growth, reset base plumb, remove caulk, reset die with lime mortar



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	32
Lot #	37
Name	Lord, Isabella
Date of Death	Feb. 23, 1853
Material	marble
Marker Type	tablet with base
Inscription	ISABELLA/WIFE OF/THO. LORD/Died Feb. 23, 1853/75 YEARS
Stone Condition	Ambient dirt, biological growth, fallen, broken, 2 fragments, base broken
Recommendations	Clean, treat biological growth, reattach base fragments with restoration mortar, reset plumb, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	33
Lot #	36
Name	Stevenson, William
Date of Death	Oct. 8, 1879
Material	marble
Marker Type	die with base
Inscription	W. STEVENSON/Born Sep. 20, 1828/Died Oct. 8, 1879
Stone Condition	Ambient dirt, biological growth, leaning, caulk, sunken base
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	34
Lot #	35
Name	Dudgeon, Isabella Caley
Date of Death	May 18, 1864
Material	marble
Marker Type	die with base
Inscription	ISABELLA CALEY/WIFE OF/GEORGE DUDGEON/DIED/May 18, 1864/Aged 33 Yrs.
Stone Condition	Ambient dirt, biological growth, leaning, caulk, concrete, mower damage
Recommendations	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	35
Lot #	34
Name	Caley, Thomas
Date of Death	July 6, 1867
Material	marble
Marker Type	tablet with base
Inscription	
	THOMAS CALEY/DIED/July 6, 1867/Aged 66 Yrs. 3 Ms.
Stone Condition	
	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	
	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	36
Lot #	33
Name	Caley, Patrick
Date of Death	Dec. 6, 1867
Material	marble
Marker Type	tablet with base
Inscription	PATRICK CALEY/DIED/Dec. 6, 1867/Aged 66 Yrs. 3 Ms.//verse//
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	37
Lot #	32
Name	Caley, Jane
Date of Death	April 14, 1883
Material	marble
Marker Type	tablet with base
Inscription	JANE CALEY/Wife of/PATRICK CALEY/DIED/APR. 14, 1883/Aged 82 YEARS//verse//
Stone Condition	Ambient dirt, biological growth, caulk, missing mortar
Recommendations	Clean, treat biological growth, remove caulk, re-point tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	38
Lot #	31
Name	Hollister, Luther T.
Date of Death	March 18, 1840
Material	marble
Marker Type	tablet
Inscription	LUTHER T./son of/A & A Hollister/Died/March 18, 1840/Aged/21 Years
Stone Condition	Ambient dirt, biological growth, leaning, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

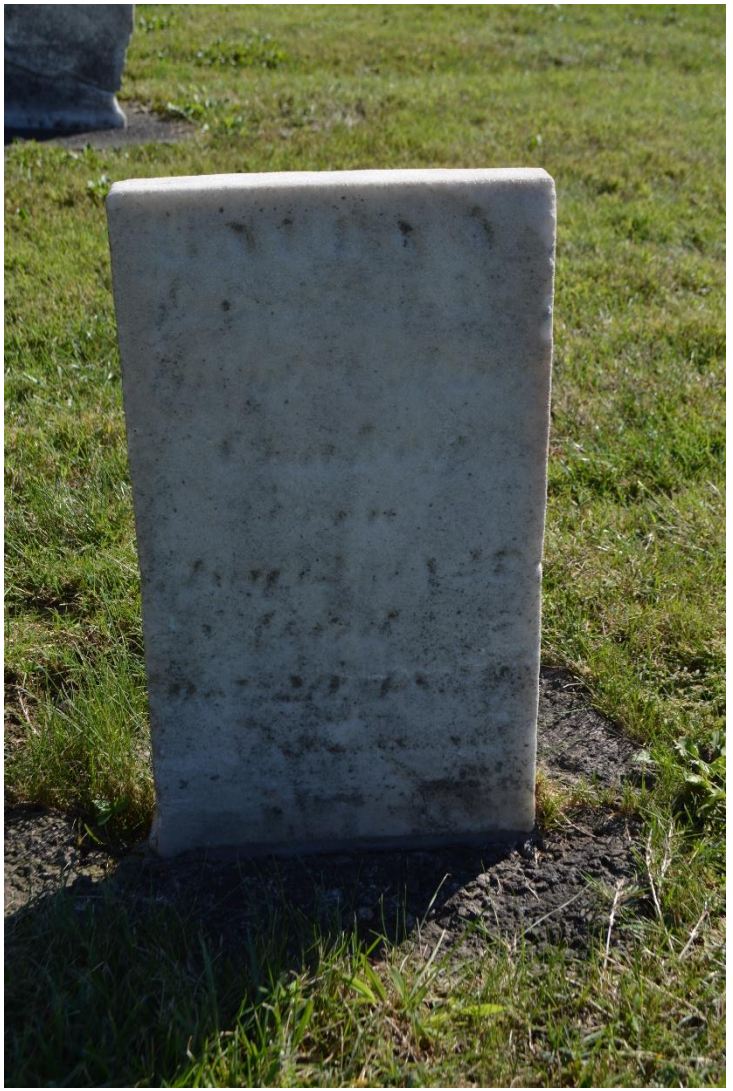
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	39
Lot #	30
Name	Hollister, Appleton
Date of Death	Dec. 15, 1831
Material	marble
Marker Type	tablet
Inscription	APPLETON HOLLISTER/Died/Dec.15,1831/AGED/ 69 Years 2 M
Stone Condition	Ambient dirt, biological growth, leaning, tilted
Recommendations	Clean, treat biological growth, reset tablet plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	40
Lot #	29
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	
Stone Condition	Concrete with fragment encased, missing stone
Recommendations	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	41
Lot #	28
Name	Conkey, Sylvia M.
Date of Death	Jan. 28, 1835
Material	marble
Marker Type	tablet
Inscription	SYLVIA M./Daughter of/A & J Conkey/Born—1834/Died Jan. 28, 1835
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	42
Lot #	27
Name	Conkey, Laura
Date of Death	Oct. 29, 1834
Material	marble
Marker Type	tablet
Inscription	LAURA/Daughter of/Jacob & Ama/ Conkey/Born Aug. 12, 1827/Died/Oct. 29, 1834
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	43
Lot #	26
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet
Inscription	
Stone Condition	Concrete with stone fragment, missing stone
Recommendations	Locate Stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	44
Lot #	44
Name	Beach, Electa
Date of Death	Jan. 21, 1841
Material	marble
Marker Type	tablet with base
Inscription	ELECTA/WIFE OF/S.P.BEACH/DIED/Jan. 21, 1841
Stone Condition	Ambient dirt, biological growth, fallen, broken, 2 fragments, caulk, sugaring of fragment
Recommendations	Clean, treat biological growth, remove caulk, reset tablet plumb at correct height, reattach fragment

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	45
Lot #	45
Name	Unknown
Date of Death	
Material	field stone
Marker Type	tablet
Inscription	

Stone Condition

Ambient dirt, biological growth, leaning, surface cracks

Recommendations

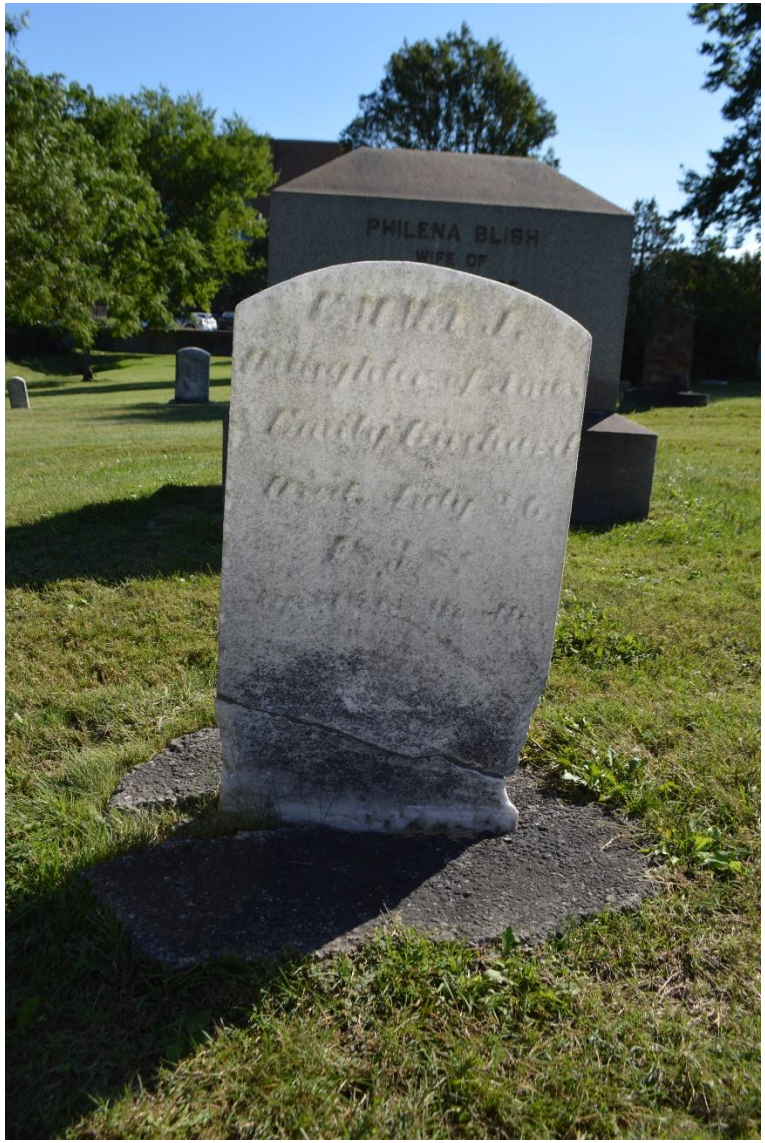
Clean, treat biological growth, reset tablet plumb at correct height, fill cracks

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	46
Lot #	46
Name	Upson, Lydia
Date of Death	Jan. 21, 1841
Material	marble
Marker Type	tablet with base
Inscription	LYDIA/Daughter of/Asa and Chloe/Upson/Born Sep.10,/1833/Died Nov.17,/1838
Stone Condition	Ambient dirt, biological growth, fallen, broken, 2 fragments, laid flat in concrete
Recommendations	Clean, treat biological growth, reset tablet at correct height to prevent flooding

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	47
Lot #	47
Name	Burchard, Emma J.
Date of Death	July 26, 1838
Material	marble
Marker Type	tablet
Inscription	EMMA J./Daughter of Amos/& Emily Burchard/Died July 26/1838/Aged 6 month
Stone Condition	Ambient dirt, biological growth, leaning, broken - old repair, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height, fill cracks



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	48A
Lot #	49
Name	Corlett, Margaret
Date of Death	
Material	granite
Marker Type	marker
Inscription	MARGARET
Stone Condition	Ambient dirt, biological growth, sunken corner
Recommendations	Clean, treat biological growth, reset tablet plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	48B
Lot #	50
Name	Corlett, Ellen Jane
Date of Death	
Material	granite
Marker Type	marker
Inscription	ELLEN JANE
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	48C
Lot #	51
Name	Corlett, Mary Ann
Date of Death	
Material	granite
Marker Type	marker
Inscription	MARY ANN
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	49
Lot #	52
Name	Miller, Joseph & Martha
Date of Death	
Material	marble
Marker Type	die with base
Inscription	IN MEMORY OF/JOSEPH & MARTHA MILLER/Friends/Aged over 60 Yrs.
Stone Condition	Ambient dirt, biological growth, caulk residue
Recommendations	Clean, treat biological growth, remove caulk

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	50
Lot #	53
Name	Elizabeth
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	
	ELIZABETH
Stone Condition	
	Ambient dirt, biological growth, leaning & loose, broken base, concrete
Recommendations	
	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	51
Lot #	54
Name	Callow, William
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	
Stone Condition	Base with stone fragment, missing stone
Recommendations	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	52
Lot #	55
Name	Callow, Margaret
Date of Death	Oct. 26, 1868
Material	marble
Marker Type	tablet with base
Inscription	MARGARET/WIFE/OF/WILLIAM CALLOW/of the Isle of Man/Died Oct. 26,1868/Aged 86 Yrs.
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	53
Lot #	56
Name	Reinhart, Eunice Callow
Date of Death	Oct. 2, 1873
Material	marble
Marker Type	tablet with base
Inscription	EUNICE/WIFE OF/J.F. REINHART/daughter of/WM. & ISABELLA/CALLOW/Died Oct. 2, 1873/Aged 22 Yrs. 9 Ms. 2 d.
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	54
Lot #	57
Name	Callow, James
Date of Death	Sept. 29, 1877
Material	marble
Marker Type	tablet with base
Inscription	JAMES CALLOW/Died Sept. 29, 1877/Aged 28 Years
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete
Recommendations	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	55
Lot #	60
Name	Gill, Isabella
Date of Death	Oct. 8, 18--
Material	marble
Marker Type	tablet
Inscription	ISABELLA/Wife of/JOHN GILL/died/Oct. 8. 18--/Æ. 83 years
Stone Condition	Ambient dirt, biological growth, leaning, impacted by trees
Recommendations	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	56A
Lot #	67
Name	Mother
Date of Death	
Material	granite
Marker Type	cylinder
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	56B
Lot #	68
Name	Emma
Date of Death	
Material	granite
Marker Type	cylinder
Inscription	EMMA
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	56C
Lot #	69
Name	Father
Date of Death	
Material	granite
Marker Type	cylinder
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove or trim trees, reset base plumb, remove caulk, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

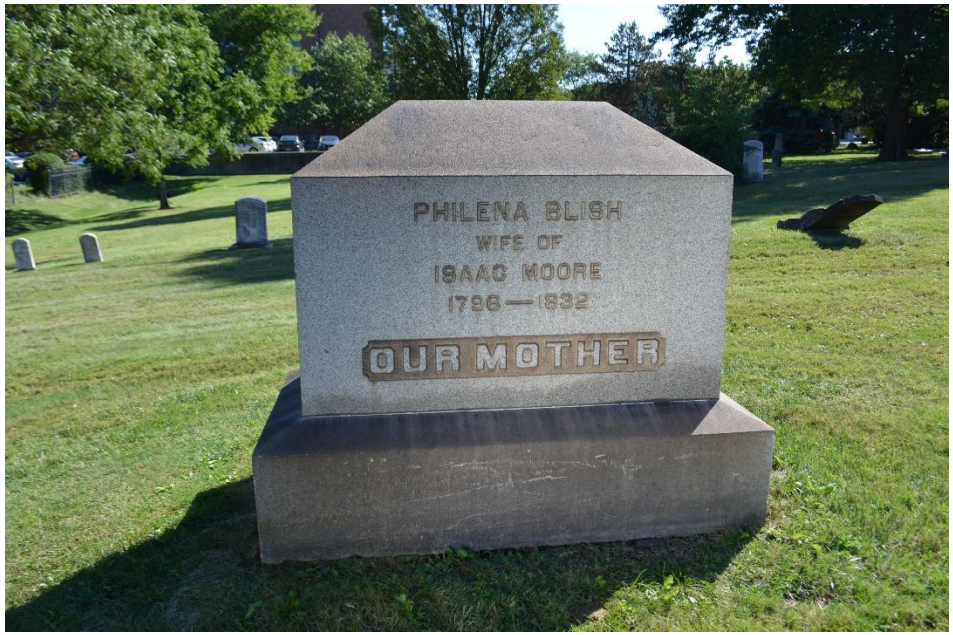
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	57
Lot #	66
Name	Caine, John
Date of Death	Aug. 16, 1852
Material	marble
Marker Type	die with base
Inscription	IN MEMORY OF/JOHN CAINE/SON OF/W & F CAINE/Died/Aug. 16, 1852/Aged 25 Yrs. 9 Ms.
Stone Condition	Ambient dirt, biological growth, fallen, broken, 2 fragments, concrete residue, failed repair
Recommendations	Clean, treat biological growth, reset base plumb, remove concrete, reset die with lime mortar, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	58
Lot #	65
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
Stone Condition	
	Missing die, cracks in plinth
Recommendations	
	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	59
Lot #	64
Name	Blish, Philena
Date of Death	1932
Material	granite
Marker Type	die with base
Inscription	PHILENA BLISH/WIFE OF/ISAAC MOORE/1796-1832/OUR MOTHER
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	60
Lot #	63
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet
Inscription	
Stone Condition	Ambient dirt, biological growth, set flat into concrete
Recommendations	Clean, treat biological growth, reset tablet at correct height to prevent flooding

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	61
Lot #	70
Name	Cowen, Jno
Date of Death	
Material	marble
Marker Type	veteran tablet
Inscription	JNO. COWEN/CO.E./29TH OHIO INF.
Stone Condition	Ambient dirt, biological growth, leaning, concrete rubble, surface cracks
Recommendations	Clean, treat biological growth, remove rubble, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	62
Lot #	
Name	Unknown
Date of Death	
Material	granite
Marker Type	foundation stone
Inscription	
Stone Condition	
	Missing die/monument
Recommendations	
	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	63
Lot #	71
Name	Radcliff, Frances
Date of Death	Sept. 5, 1884
Material	marble
Marker Type	die with base
Inscription	IN MEMORY OF/FRANCES RADCLIFFE/WIFE OF/WILLIAM G. CAINE/DIED/SEP.5, 1884/AGED/86 Years
Stone Condition	Ambient dirt, biological growth, fallen, base broken, pins
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	64
Lot #	72
Name	Caine, William
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
	IN MEMORY OF//
Stone Condition	
	Ambient dirt, biological growth, concrete, old repair, sugaring, caulk
Recommendations	
	Clean, treat biological growth, remove concrete & caulk, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	65
Lot #	73
Name	Kent, Truman & Catherine
Date of Death	Sept. 13, 1899 & March 21, 1901
Material	granite
Marker Type	die with base
Inscription	KENT/TRUMAN G. KENT/MAY 7, 1812 – SEPT. 13, 1899/CATHARINE McCULLOCH/HIS WIFE/DEC. 19, 1819 – MAR. 21, 1901/WE HAVE LOVED ON EARTH MAY WE LOVE IN HEAVEN//EMMA J. KENT/1845-1910
Stone Condition	Ambient dirt, biological growth, leaning, tilted, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	66
Lot #	88
Name	Kelley, E.T.
Date of Death	
Material	marble
Marker Type	veteran tablet
Inscription	CORP'L/E.T. KELLEY/CO.A./7TH OHIO INF.
Stone Condition	Ambient dirt, biological growth, leaning, sunken
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	67
Lot #	87
Name	Kelly, John & Ann
Date of Death	June 24, 1879 & May 8, 1846
Material	granite
Marker Type	obelisk
Inscription	JOHN KELLY/DIED/JUNE 24, 1879/AGED 88 YRS/ANN/HIS WIFE/DIED MAY 8, 1846/AGED 55 YRS.25 D./EDWARD T./SON OF/J&A KELLY/MEMBER CO.A.7TH REGT OVI/WOUNDED AT BATTLE OF/ WINCHESTER MAR. 23/DIED APRIL 1, 1862/AT UNION HOSPITAL/WINCHESTER VA/AGED 25 YRS, 3MOS, 17 D/ANN/WIFE OF JOHN KELLY/DIED NOV 25, 1883/AGED 70YRS/CATHARINE/DAUGHTER OF/J&A KELLY/DIED FEB 5, 1843/AGED 18 YRS, 5 MOS, 25 D
Stone Condition	Ambient dirt, biological growth, leaning 35°, tilted
Recommendations	Clean, treat biological growth, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	67A
Lot #	86
Name	Mother
Date of Death	
Material	marble
Marker Type	die with base
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, leaning, sunken, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	68
Lot #	98
Name	Prentiss, L.R. & Abigail
Date of Death	July 20, 1897
Material	marble
Marker Type	obelisk
Inscription	PRENTISS/L.R. PRENTISS/BORN ACKWORTH, NH/JULY 20, 1803/DIED/NOV. 24, 1897//ABIGAIL
Stone Condition	Ambient dirt, biological growth, leaning, missing mortar
Recommendations	Clean, treat biological growth, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	68A
Lot #	85
Name	Prentiss, L.R.
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
	L.R.P.
Stone Condition	
	Ambient dirt, biological growth, leaning, tilted, pins, missing mortar
Recommendations	
	Clean, treat biological growth, remove concrete, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	68B
Lot #	84
Name	Prentiss, Abigail
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
Stone Condition	
	Ambient dirt, biological growth, fallen base, stone may be under grass
Recommendations	
	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	69
Lot #	83
Name	Meyne, Rosina M
Date of Death	July 18, 1876
Material	granite
Marker Type	die with base
Inscription	ROSINA M. MEYNE/NEE EIDAM/BORN JULY 9, 1857/DIED JULY 18. 1876
Stone Condition	Ambient dirt, biological growth, leaning, sunken base
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	70
Lot #	82
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	Unreadable
Stone Condition	Ambient dirt, biological growth, fallen, 2 fragments, concrete, caulk, failed epoxy repair
Recommendations	Clean, treat biological growth, remove concrete & epoxy residue, reset base plumb, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	71
Lot #	81
Name	Henry
Date of Death	
Material	marble
Marker Type	tablet
Inscription	HENRY//
Stone Condition	Ambient dirt, biological growth, set flat into concrete
Recommendations	Clean, treat biological growth, reset tablet at correct height to prevent flooding

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	72
Lot #	80
Name	Adams, Lydia
Date of Death	June 2, 1827
Material	siltstone
Marker Type	tablet with base
Inscription	In/memory of/Lydia Adams/who died/June 2nd 1827/aged 69/years
Stone Condition	Ambient dirt, biological growth, leaning more than 50°
Recommendations	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	73
Lot #	79
Name	Church, Sarah M.
Date of Death	Sept. 25, 1828
Material	siltstone
Marker Type	tablet with base
Inscription	Sarah M./wife of/Henry Church/died/Sept. 25th, 1828/aged 24/years
Stone Condition	Ambient dirt, biological growth, leaning, tilted, delaminating
Recommendations	Clean, treat biological growth, reset base & tablet plumb

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

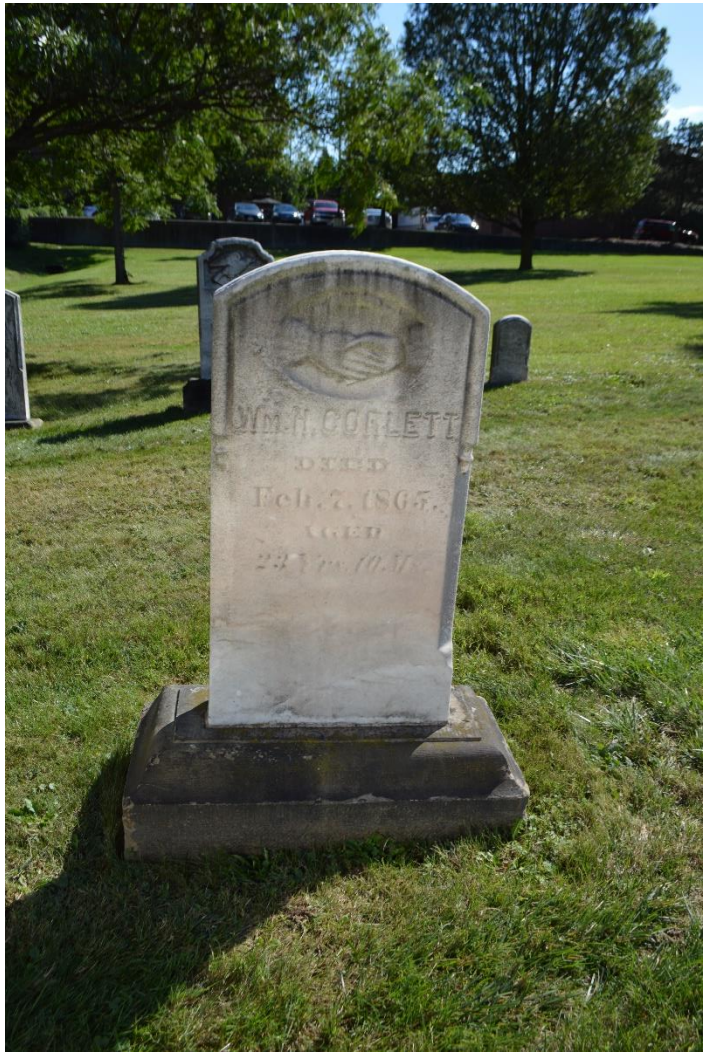
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	74
Lot #	78
Name	Adams, John
Date of Death	Oct. 21, 1835
Material	siltstone
Marker Type	tablet with base
Inscription	John E. Adams/died/Oct.21st 1835/aged 48/Years/Sarah M./wife of
Stone Condition	Ambient dirt, biological growth, fallen, 2 fragments
Recommendations	Clean, treat biological growth, reset base plumb, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	75
Lot #	77
Name	Addison, William
Date of Death	
Material	marble
Marker Type	tablet
Inscription	Wm Addison/BORN July//
Stone Condition	Ambient dirt, biological growth, set flat into concrete
Recommendations	Clean, treat biological growth, reset tablet at correct height to prevent flooding

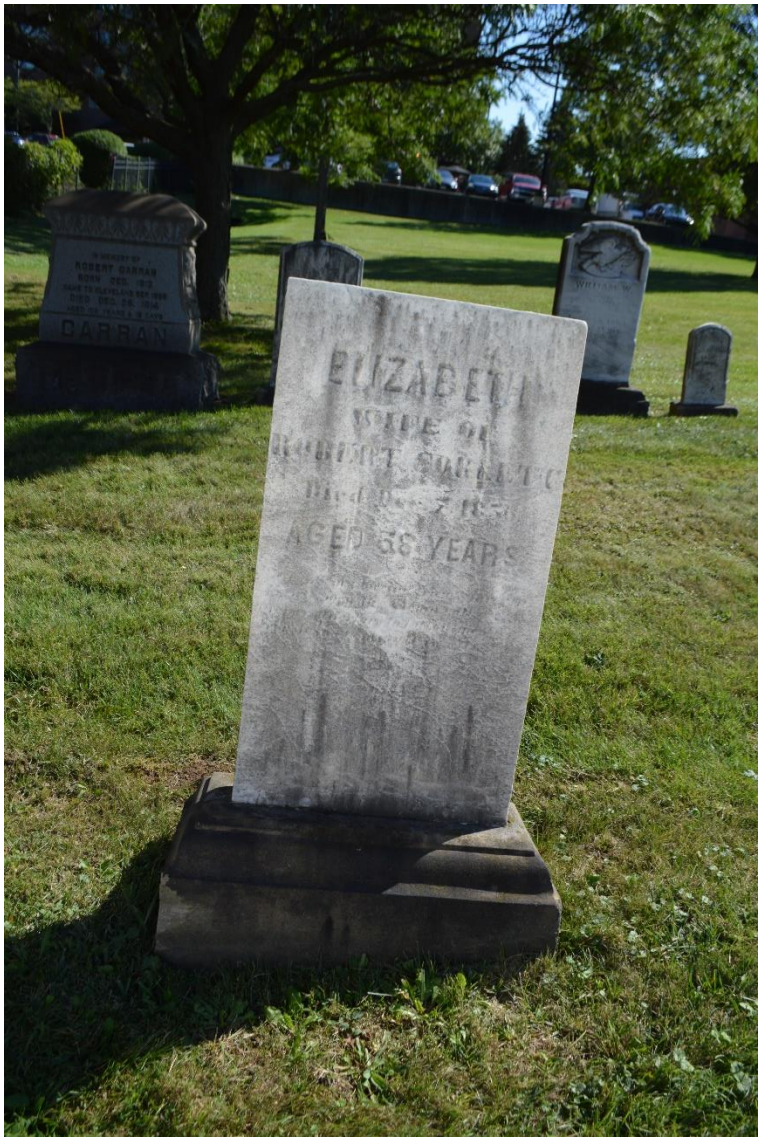
HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	76
Lot #	76
Name	Corlett, William
Date of Death	Feb. 7, 1865
Material	marble
Marker Type	die with base
Inscription	Wm H. CORLETT/DIED/Feb.7,1865/AGED/23 Yrs. 10 Ms.
Stone Condition	Ambient dirt, biological growth, tilted
Recommendations	Clean, treat biological growth, reset base & tablet plumb



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	77
Lot #	75
Name	Corlett, Elizabeth
Date of Death	Dec. 7, 1836
Material	marble
Marker Type	tablet with base
Inscription	ELIZABETH/WIFE OF/ROBERT CORLETT/Died Dec. 7, 1836/AGED 58 YEARS
Stone Condition	Ambient dirt, biological growth, tilted, base corners chipped
Recommendations	Clean, treat biological growth, reset base & tablet plumb



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	78
Lot #	74
Name	Corlett, Robert
Date of Death	1861
Material	granite
Marker Type	marker
Inscription	FATHER/ROBERT CORLETT/1799-1861
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	79
Lot #	89
Name	Eastwood, Alfred
Date of Death	1910
Material	granite
Marker Type	die with base
Inscription	EASTWOOD/ALFRED/1826-1910/SARAH/1829-1877/ALFRED/1856-1861/HENRY/1858-1861
Stone Condition	Ambient dirt, biological growth, fallen, base leaning
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

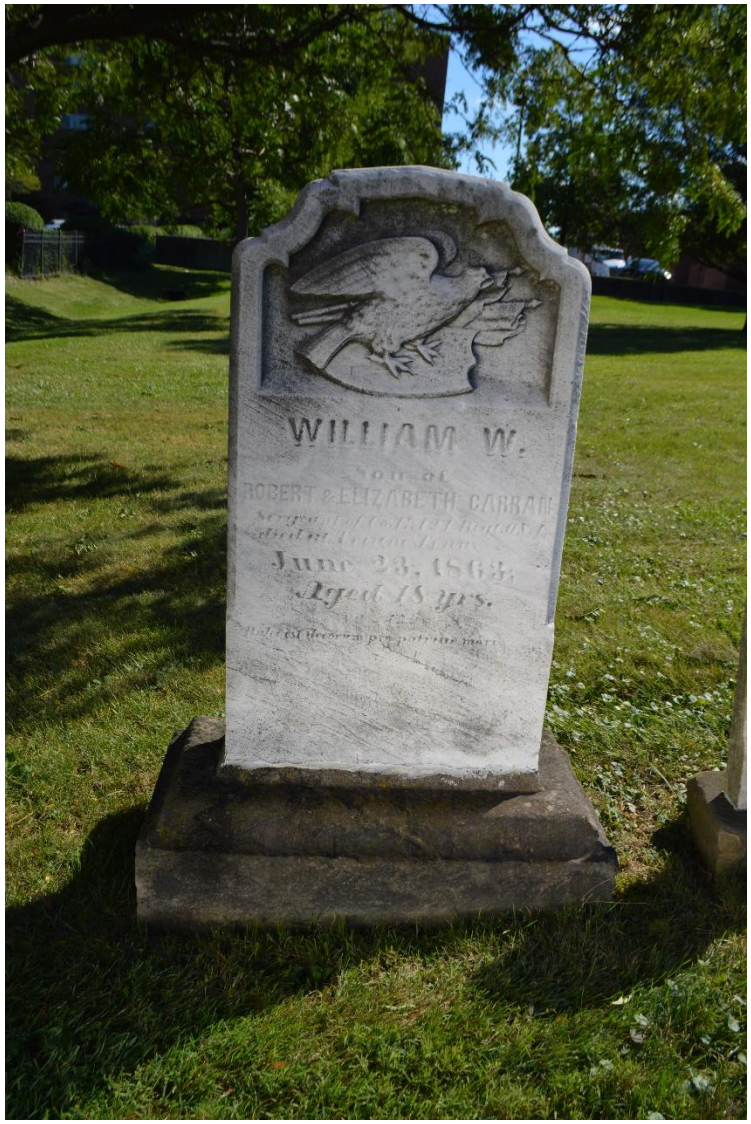
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	80
Lot #	99
Name	Carran, Robert
Date of Death	Dec. 26, 1914
Material	granite
Marker Type	die with base
Inscription	IN MEMORY OF/ROBERT CARRAN/BORN DEC. 1812/CAME TO CLEVELAND SEP.1836/DIED DEC. 26, 1914/AGED 102 YEARS & 15 DAYS/CARRAN
Stone Condition	Ambient dirt, biological growth, leaning, base sunken
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	81
Lot #	100
Name	Carran, Ann
Date of Death	Feb. 8, 1872
Material	marble
Marker Type	tablet with base
Inscription	ANN/WIFE OF/ROBERT CARRAN/Died Feb. 8, 1872/AGED 42 YEARS
Stone Condition	Ambient dirt, biological growth, leaning, tilted, caulk, base corners chipped
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	82
Lot #	101
Name	Carran, William W.
Date of Death	June 23, 1863
Material	marble
Marker Type	tablet with base
Inscription	WILLIAM W./Son of/ROBERT & ELIZABETH CARRAN/Sergeant of Co. E 121 Regt. OVI/died at Triune Tenn./June 23, 1863/Aged 18 Yrs./Dulce est decorum pro patriae mori
Stone Condition	Ambient dirt, biological growth, caulk, missing mortar
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	83
Lot #	102
Name	Carran, George W.
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
	GEORGE W./Son of/ROBERT & ANN CARRAN//
Stone Condition	
	Ambient dirt, biological growth, caulk, missing mortar, base corners chipped
Recommendations	
	Clean, treat biological growth, remove caulk, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	84
Lot #	103
Name	Carran, Elizabeth
Date of Death	Aug.
Material	marble
Marker Type	die with base
Inscription	
	ELIZABETH ANN/Daughter of/ROBERT & ELIZABETH/CARRAN/Died Aug.//AGED//
Stone Condition	
	Ambient dirt, biological growth, leaning, sunken base, concrete
Recommendations	
	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	85
Lot #	104
Name	Carran, Mary
Date of Death	Oct. 11, 1853
Material	marble
Marker Type	tablet with base
Inscription	MARY/Daughter of/ROBERT & ANN/CARRAN/Died Oct. 11, 1853/AGED/2 Years -- months
Stone Condition	Ambient dirt, biological growth, fallen, base sunken
Recommendations	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	86
Lot #	105
Name	Carran, Ellen Jane
Date of Death	Sept. 23, 1852
Material	marble
Marker Type	tablet with base
Inscription	ELLEN JANE/Daughter of/ROBERT & ANN/CARRAN/Died Sept. 23, 1852/AGED/2 Years -- months
Stone Condition	Ambient dirt, biological growth, fallen, base sunken
Recommendations	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	87
Lot #	106
Name	Carran, Mrs. Elizabeth
Date of Death	Sept. 30, 1852
Material	marble
Marker Type	tablet with base
Inscription	ELIZABETH/WIFE OF/ROBERT CARRAN/Died Sept. 30, 1852/AGED 34 YEARS
Stone Condition	Ambient dirt, biological growth, leaning, sunken base
Recommendations	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	88
Lot #	107
Name	Radcliffe, Thomas
Date of Death	Nov. 23, 1834
Material	siltstone
Marker Type	tablet
Inscription	In memory of/Thomas Radcliffe/who died Nov. 23,/1834/Aged 62 Years//J.C.
Stone Condition	Ambient dirt, biological growth, tilted, leaning, set too high, chipped edges
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	89
Lot #	108
Name	Radcliffe, Thomas
Date of Death	April 29, 1841
Material	siltstone
Marker Type	tablet with base
Inscription	In/memory of/THOMAS RADCLIFFE/who died/April 29, 1841/Aged 29 Years/Beloved and honored in life/Lamented in death
Stone Condition	Ambient dirt, biological growth, fallen, sunken, missing base
Recommendations	Clean, treat biological growth, locate base, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	90
Lot #	109
Name	Kneale, John
Date of Death	Dec. 27, 1880
Material	marble
Marker Type	die with base
Inscription	JOHN KNEALE/DIED/Dec. 27, 1880/Age 89 Yrs.
Stone Condition	Ambient dirt, biological growth, fallen, concrete
Recommendations	Clean, treat biological growth, remove concrete, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	91
Lot #	91
Name	Unknown
Date of Death	
Material	
Marker Type	die with base
Inscription	
Stone Condition	Ambient dirt, biological growth, base cracked, missing stone
Recommendations	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	92
Lot #	92
Name	Bell, Moore
Date of Death	Dec. 27, 1875
Material	marble
Marker Type	die with base
Inscription	MOORE BELL/DIED DEC. 27, 1875/AGED 83 YEARS
Stone Condition	Ambient dirt, biological growth, fallen, sunken base
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	93
Lot #	93
Name	Bell, Moor & Annis
Date of Death	Dec. 27, 1875
Material	marble
Marker Type	pedestal
Inscription	CLARRISSA BELL//SAMANTHA BELL//MOOR BELL/Born Mar. 5, 1786/DIED/Dec. 27, 1874/AGED 88 yrs. 9 Ms. 21 D./ANNIS BELL/Born Mar. 26, 1790/DIED/Sept. 20, 1881/AGED 90 yrs. 5 M. 24 D.
Stone Condition	Ambient dirt, biological growth, leaning, tilted, caulk, missing mortar
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	94
Lot #	94
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
Stone Condition	
	Ambient dirt, biological growth, fallen, sunken base
Recommendations	
	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	95
Lot #	95
Name	Unknown
Date of Death	
Material	
Marker Type	die with base
Inscription	
Stone Condition	Ambient dirt, biological growth, sunken base, missing stone
Recommendations	Locate stone

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	96
Lot #	96
Name	Jane
Date of Death	Aug. 23, 18--
Material	
Marker Type	tablet with base
Inscription	JANE/Wife of//DIED/Aug.23,18//
Stone Condition	Ambient dirt, biological growth, fallen, broken, 3 fragments, sunken & leaning base, failed concrete repair
Recommendations	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	97
Lot #	
Name	First Settlers Stone
Date of Death	
Material	
Marker Type	concrete with bronze plaque
Inscription	IN MEMORY OF THE/FIRST SETTLERS/WHO REST HERE//PLANTED BY THE/MORELAND GARDEN CLUB/AD 1934
Stone Condition	Ambient dirt, biological growth, good condition, small crack in concrete base
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98
Lot #	110
Name	Wade
Date of Death	
Material	granite
Marker Type	die with base
Inscription	
	WADE
Stone Condition	
	Ambient dirt, biological growth, good condition
Recommendations	
	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98A
Lot #	111
Name	Wade, David
Date of Death	
Material	granite
Marker Type	marker
Inscription	DAVID/1844-1902
Stone Condition	Ambient dirt, biological growth, tilted, sunken
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98B
Lot #	112
Name	Wade, Thomas
Date of Death	1868
Material	granite
Marker Type	marker
Inscription	THOMAS/1797 - 1868
Stone Condition	Ambient dirt, biological growth, tilted, set too high
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98C
Lot #	113
Name	Wade, Maria
Date of Death	1850
Material	granite
Marker Type	marker
Inscription	MARIA/1847 - 1850
Stone Condition	Ambient dirt, biological growth, tilted, set too high
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

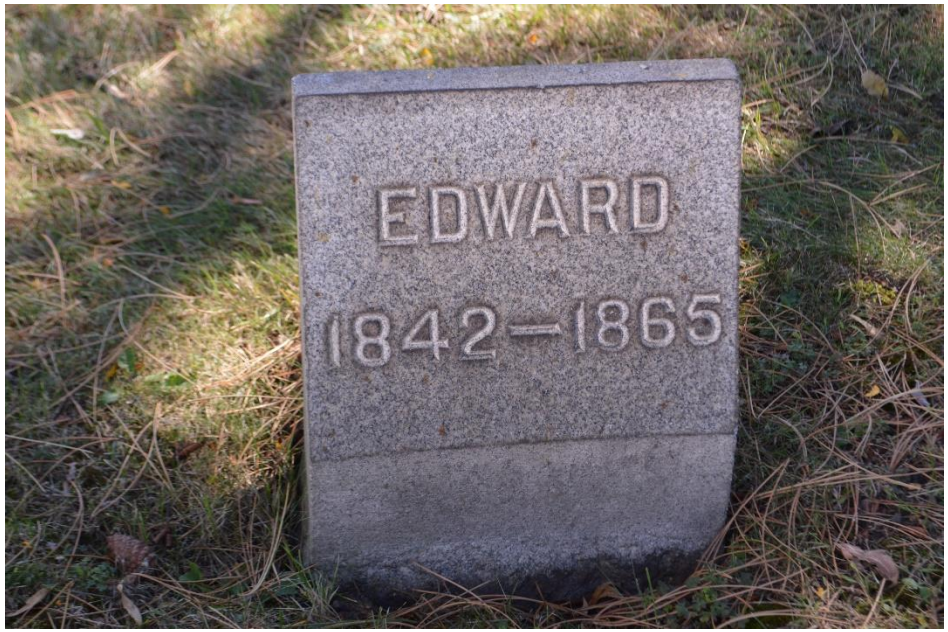
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98D
Lot #	114
Name	Wade, Ellen
Date of Death	1854
Material	granite
Marker Type	marker
Inscription	ELLEN/1803 - 1854
Stone Condition	Ambient dirt, biological growth, leaning
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98E
Lot #	115
Name	Wade, Thomas
Date of Death	1858
Material	granite
Marker Type	marker
Inscription	THOMAS/1831 - 1858
Stone Condition	Ambient dirt, biological growth, leaning, tilted
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98F
Lot #	116
Name	Wade, Edward
Date of Death	1865
Material	granite
Marker Type	marker
Inscription	EDWARD/1842 - 1865
Stone Condition	Ambient dirt, biological growth, leaning, tilted
Recommendations	Clean, treat biological growth, reset plumb at correct height



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	98G
Lot #	117
Name	Wade, Henry
Date of Death	1865
Material	granite
Marker Type	marker
Inscription	HENRY/1840 - 1865
Stone Condition	Ambient dirt, biological growth, tilted, set too high
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	99
Lot #	118
Name	Schumacher, Hazel
Date of Death	1912
Material	granite
Marker Type	cylinder
Inscription	HAZEL SCHUMACHER/1908-1912/TRUMAN E. BULL/1877-1941
Stone Condition	Ambient dirt, biological growth, leaning, sunken base, caulk, chipped edges
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	100
Lot #	122
Name	Radcliffe, John
Date of Death	
Material	marble
Marker Type	Tree
Inscription	JOHN RADCLIFFE//
Stone Condition	Ambient dirt, biological growth, leaning, moved off center, caulk, sunken base
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	101
Lot #	121
Name	Brogden, Mary
Date of Death	March 16, 1843
Material	siltstone
Marker Type	tablet
Inscription	In/memory of/MARY wife of/JAMES BROGDEN/who died/March 16, 1843/aged 55 Years/friends as you pass by, as/you are now so once was I/as I am now so you must be/prepare for Death and follow me
Stone Condition	Ambient dirt, biological growth, fallen, delaminating on face
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	101A
Lot #	132
Name	Brogden, Mary
Date of Death	March 16, 1843
Material	siltstone
Marker Type	footstone
Inscription	No Text
Stone Condition	Ambient dirt, biological growth, fallen
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	102
Lot #	120
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	Unreadable
Stone Condition	Ambient dirt, biological growth, leaning, sunken base
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	103
Lot #	119
Name	Kaise, Mary, Emory, Eva
Date of Death	
Material	zinc
Marker Type	marker
Inscription	MARY H. AGED 3 MONTHS/EMORY A. AGED 2 MONTHS/EVA AGED 7 DAYS/CHILDREN OF/A.C. AND DELLA KAISER
Stone Condition	Ambient dirt, biological growth, sunken, overgrown
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	104
Lot #	124
Name	Stiles, Rebecca
Date of Death	May 25, 1824
Material	siltstone
Marker Type	tablet with base
Inscription	In/memory of/Rebecca Stiles who/died May 25th 1824/in the 53rd year/of her age/wife of Asa Stiles//verse
Stone Condition	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree
Recommendations	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	104A
Lot #	123
Name	Stiles, Asa
Date of Death	March 12, 1834
Material	siltstone
Marker Type	tablet with base
Inscription	In Memory of/Asa Stiles/who died/March 12, 1834
Stone Condition	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree
Recommendations	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	104B
Lot #	
Name	Stiles
Date of Death	
Material	sandstone
Marker Type	base
Inscription	

Stone Condition

Ambient dirt, biological growth, sunken, impacted by bush/tree, missing stone, may be associated with #104A

Recommendations

Clean, treat biological growth, trim or remove bushes, locate stone, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	105
Lot #	125
Name	Stiles, 48 Years
Date of Death	Nov. 10, 1846
Material	marble
Marker Type	tablet with base
Inscription	DIED/Nov. 10, 1846/AGED/48 YEARS 5 M 20 D
Stone Condition	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree
Recommendations	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	105A
Lot #	
Name	Stiles
Date of Death	
Material	marble
Marker Type	base
Inscription	

Stone Condition

Ambient dirt, biological growth, sunken, impacted by bush/tree, missing stone, may be associated with #105

Recommendations

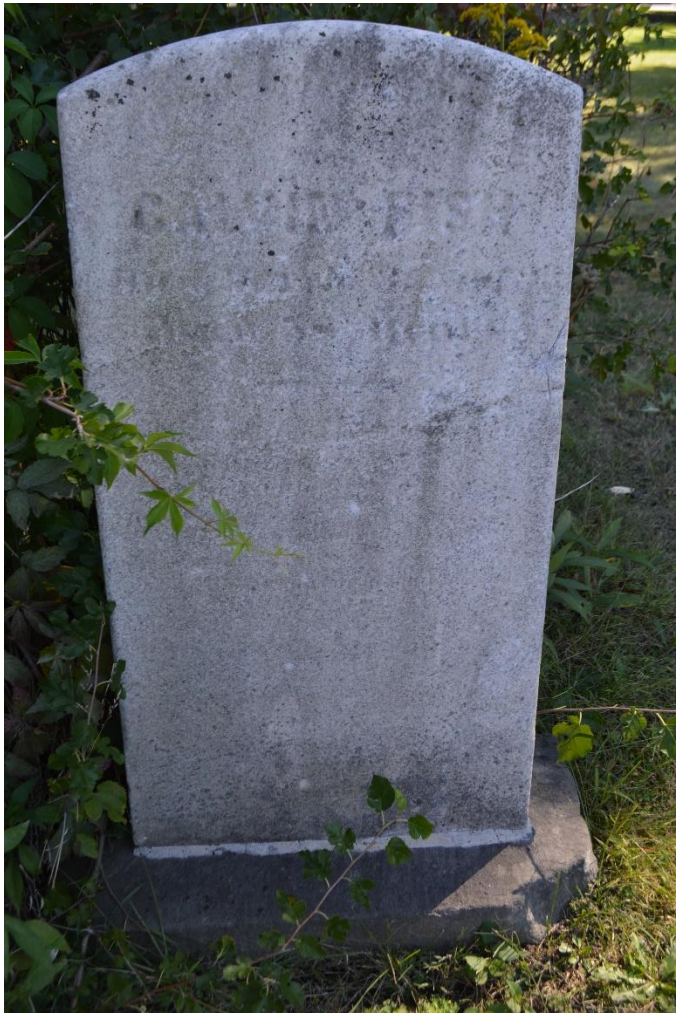
Clean, treat biological growth, trim or remove bushes, locate stone, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	106
Lot #	126
Name	Stiles, Betsey
Date of Death	Dec. 9, 1861
Material	marble
Marker Type	tablet with base
Inscription	BETSEY STILES/DIED DEC 9, 1861/AGED 67 YEARS//verse
Stone Condition	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree
Recommendations	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	107
Lot #	127
Name	Fish, Calvin
Date of Death	March 31, 1873
Material	marble
Marker Type	tablet with base
Inscription	In memory of my husband/CALVIN FISH/Died March 31, 1873/Aged 58 Years
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bush/tree
Recommendations	Clean, treat biological growth, trim or remove bushes, reset plumb at correct height



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	108
Lot #	128
Name	Stiles, Hiram & Martha
Date of Death	May 29, 1865 & July 16, 1855
Material	marble
Marker Type	obelisk
Inscription	HIRAM STILES/DIED/May 29, 1865/AGED//MARTHA STILES/Died/July 16, 1855/AGED/19Yrs. 11 Ms. 21 Ds./CHLOE STILES/Died/Aug 15, 1865/AGED/16 Yrs. 16 Ds/MANDANA STILES
Stone Condition	Ambient dirt, biological growth, broken, 2 fragments, leaning, missing mortar
Recommendations	Clean, treat biological growth, reset base plumb, reassemble with lime mortar, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	109
Lot #	129
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet
Inscription	
Stone Condition	Ambient dirt, biological growth, fallen, sunken
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	110
Lot #	131
Name	Edwards, Saxton
Date of Death	Dec. 7, 1830
Material	marble
Marker Type	tablet with base
Inscription	SAXTON/Eldest Son of/STARKS & HANNAH/EDWARDS/Born Dec. 7, 1830/Died May 17,1849
Stone Condition	Ambient dirt, biological growth, fallen, missing base
Recommendations	Clean, treat biological growth, locate base, reset tablet with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	111
Lot #	133
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
Stone Condition	Ambient dirt, biological growth, broken, many fragments
Recommendations	Clean, treat biological growth, reset plumb at correct height, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	112
Lot #	134
Name	Kent, Andrew & Almira
Date of Death	1902 & 1912
Material	granite
Marker Type	die with base
Inscription	KENT/ANDREW D./1832-1902/ALMIRA B./1842-1912
Stone Condition	Ambient dirt, biological growth, tilted, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, trim or remove bushes, reset base plumb, reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

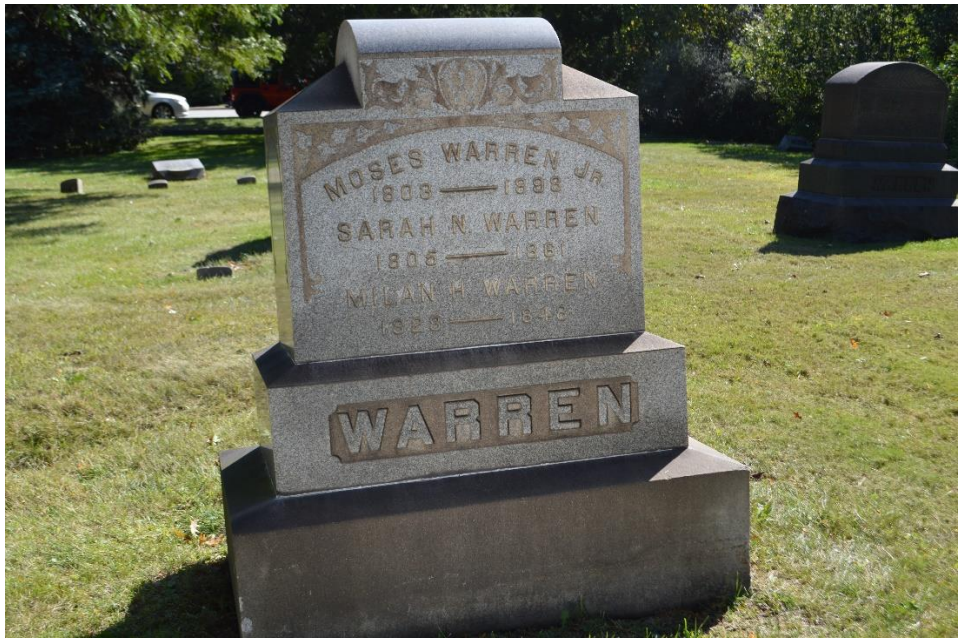
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	113
Lot #	140
Name	Jones, Earl Kenneth
Date of Death	May 29, 1955
Material	granite
Marker Type	marker
Inscription	EARL KENNETH JONES/OHIO/MM3 USNR/WORLD WAR II/JUNE 30 1911 MAY 29 1955
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	114
Lot #	139
Name	Gibbs, Samuel & Myra
Date of Death	1955 & 1964
Material	granite
Marker Type	die with base
Inscription	GIBBS/SAMUEL J. 1872 1955/MYRA L. 1871 1964
Stone Condition	Ambient dirt, biological growth, fallen, chipped corners
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	115
Lot #	138
Name	Warren, Moses & Sarah
Date of Death	1888 & 1861
Material	granite
Marker Type	die with base
Inscription	MOSES WARREN JR./1803-1888/SARAH N. WARREN/1805-1861/MILAN H. WARREN/1828-1848/MOSES WARREN SR./1760-1851/PRISCILLA WARREN/1764-1842/WILLIAM WARREN/1812-1825/WARREN
Stone Condition	Ambient dirt, biological growth, fallen, chipped corners
Recommendations	Clean, treat biological growth, reset base plumb, reset die with lime mortar

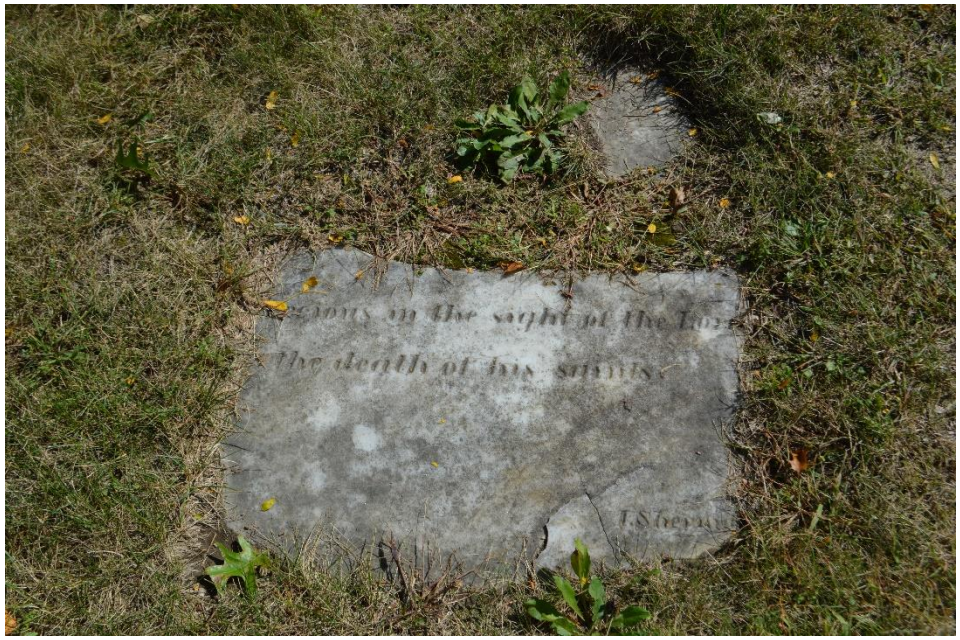


HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	116
Lot #	137
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	//AGED 91 Yrs. 1 Mo. 5 D/Memento to a beloved Parent and/Revolutionary Soldier
Stone Condition	Ambient dirt, biological growth, fallen, broken, many fragments, missing material
Recommendations	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	117
Lot #	136
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	//Precious in the sight of the Lord/is the death of his saints//I. Sherman
Stone Condition	Ambient dirt, biological growth, fallen, broken, many fragments, missing material
Recommendations	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	118
Lot #	135
Name	Unknown
Date of Death	
Material	marble
Marker Type	tablet with base
Inscription	
Stone Condition	
	Ambient dirt, biological growth, fallen, broken, 2 fragments, missing material
Recommendations	
	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar, reattach fragments

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

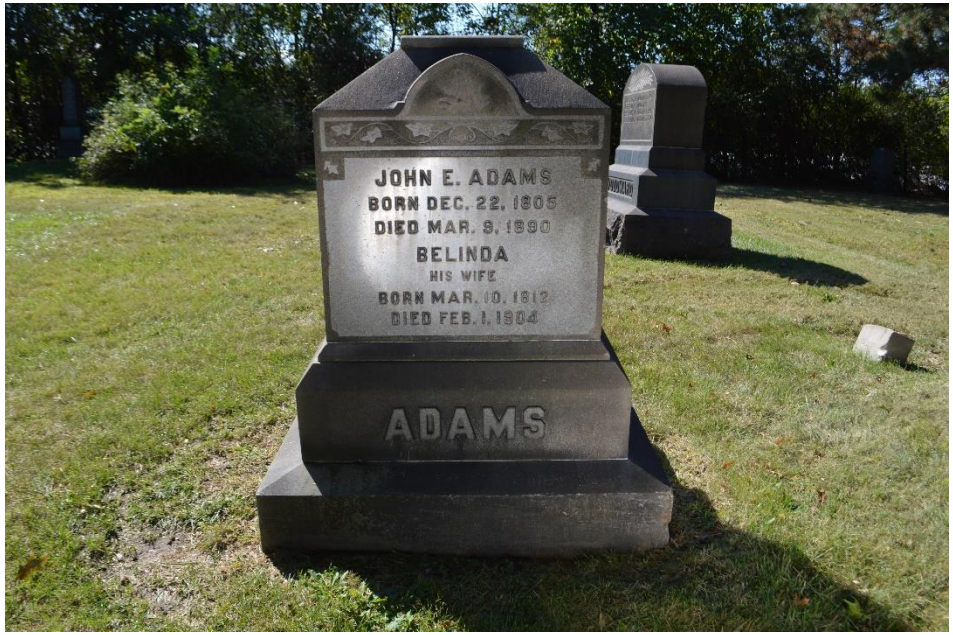
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	119
Lot #	
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	
Stone Condition	Ambient dirt, biological growth, sunken foundation stone, broken plinth, missing die
Recommendations	Clean, treat biological growth, locate die, reset base plumb, reassemble plinth with restoration mortar, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	120
Lot #	
Name	Unknown
Date of Death	
Material	marble
Marker Type	die with base
Inscription	--THER
Stone Condition	Ambient dirt, biological growth, sunken, corner broken, missing material, impacted by tree
Recommendations	Clean, treat biological growth, remove from roots, reset plumb

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	121
Lot #	148
Name	Adams, John E. & Belinda
Date of Death	March 9, 1890 & Feb. 1, 1904
Material	granite
Marker Type	die with base
Inscription	JOHN E. ADAMS/BORN DEC. 22, 1805/DIED MAR. 9, 1890/ BELINDA/HIS WIFE/BORN MAR. 10, 1812/DIEDFEB. 1, 1904
Stone Condition	Ambient dirt, biological growth, leaning, tilted
Recommendations	Clean, treat biological growth, reset plumb at correct height



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	121A
Lot #	142
Name	Adams, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, leaning, chipped edges
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	121B
Lot #	143
Name	Adams, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, leaning, chipped edges, missing material
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	122
Lot #	144
Name	Warren, Wm & Woodward, George
Date of Death	1902 & 1907
Material	granite
Marker Type	die with base
Inscription	1832 WILLIAM M. WARREN 1902/1836 HARRIET B. WARREN 1919/1866 ADDIE L. WARREN 1883// 1823 GEORGE WOODWARD 1907/ 1830 LEORA H. WOODWARD / 1865 ARLETTA L. WOODWARD 1866/1873 LAURENCE L. WOODWARD 1874
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	122A
Lot #	145
Name	Warren, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, tilted, set too high
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	123
Lot #	146
Name	Warren, Addie L.
Date of Death	1883
Material	granite
Marker Type	cylinder
Inscription	1832 WILLIAM M. WARREN 1902/1836 HARRIET B. WARREN 1919/1866 ADDIE L. WARREN 1883// 1823 GEORGE WOODWARD 1907/ 1830 LEORA H. WOODWARD / 1865 ARLETTA L. WOODWARD 1866/1873 LAURENCE L. WOODWARD 1874
Stone Condition	Ambient dirt, biological growth, leaning, caulk, base chipped
Recommendations	Clean, treat biological growth, remove caulk, reset base plumb, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	124
Lot #	147
Name	Prentiss, James & Betsey
Date of Death	1817 & 1812
Material	granite
Marker Type	marker
Inscription	JAMES PRENTISS/1755 – 1817/"A REVOLUTIONARY SOLDIER"/BETSEY/HIS DAUGHTER/1790 - 1812
Stone Condition	Ambient dirt, biological growth, leaning more than 45°, chipped edges
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	125
Lot #	149
Name	Knittel, Sylvester & Katharina
Date of Death	1901
Material	limestone
Marker Type	tree
Inscription	SYLVESTER/KNITTEL/1824 – 1901/KATHARINA/WIFE OF/SYLVESTER KNITTEL/1822 – 1885/ KNITTEL
Stone Condition	Ambient dirt, biological growth, leaning, chipped around bottom edge
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	126
Lot #	155
Name	Meyne, William & Eidam, John
Date of Death	1899 & 1829
Material	granite
Marker Type	die with base
Inscription	JOHN H. EIDAM/BORN FEB. 8, 1829/DIED JUNE 26, 1909/ANNA BARBARA EIDAM/BORN MARCH 7, 1827/DIED APRIL 25, 1903/In memory's golden chain regard Her as a link//WILLIAM D. MEYNE/BORN FEB. 18, 1875/DIED MARCH 23, 1899/PETER EIDAM/BORN FEB. 22, 1868/DIED JAN. 24, 1910
Stone Condition	Ambient dirt, biological growth, fallen, sunken & leaning base
Recommendations	Clean, treat biological growth, reset base plumb at correct height, reset die with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	126A
Lot #	151
Name	Eidam, Mother
Date of Death	
Material	granite
Marker Type	marker
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, tilted, set too high
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	126B
Lot #	152
Name	Eidam, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, sunken, leaning
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	126C
Lot #	153
Name	Eidam, Peter
Date of Death	
Material	granite
Marker Type	marker
Inscription	PETER
Stone Condition	Ambient dirt, biological growth, leaning, chipped corners
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	126D
Lot #	154
Name	Meyne, Willie
Date of Death	
Material	granite
Marker Type	marker
Inscription	WILLIE
Stone Condition	Ambient dirt, biological growth, leaning, chipped corners, missing material
Recommendations	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	127
Lot #	150
Name	Corlett, Edward & Mary
Date of Death	March 12, 1903 & Aug 4, 1900
Material	granite
Marker Type	obelisk
Inscription	EDWARD CORLETT/NOV 24, 1824/MAR 12, 1903/MARY A. COWLEY/HIS WIFE/NOV 20, 1826/AUG 4, 1900/NATIVES OF THE/ISLES OF MAN//EDWARD JOHN/CORLETT/JUNE 11, 1851/FEB 6, 1925/CORA MATILDA/CORLETT/SEPT 1, 1874/JAN 25, 1940//MARY ANN/FEB 28, 1848/FEB 10, 1864/ELLEN JANE/
Stone Condition	Ambient dirt, biological growth, leaning, set on rubble, impacted by bushes
Recommendations	Clean, treat biological growth, remove rubble & bushes, reset base plumb,reassemble with lime mortar

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	127A
Lot #	159
Name	Corlett, Mother
Date of Death	
Material	granite
Marker Type	marker
Inscription	MOTHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	127B
Lot #	158
Name	Corlett, Father
Date of Death	
Material	granite
Marker Type	marker
Inscription	FATHER
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	127C
Lot #	157
Name	Corlett, Edward
Date of Death	
Material	granite
Marker Type	marker
Inscription	EDWARD
Stone Condition	Ambient dirt, biological growth, leaning, impacted by bushes
Recommendations	Clean, treat biological growth, remove bushes, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

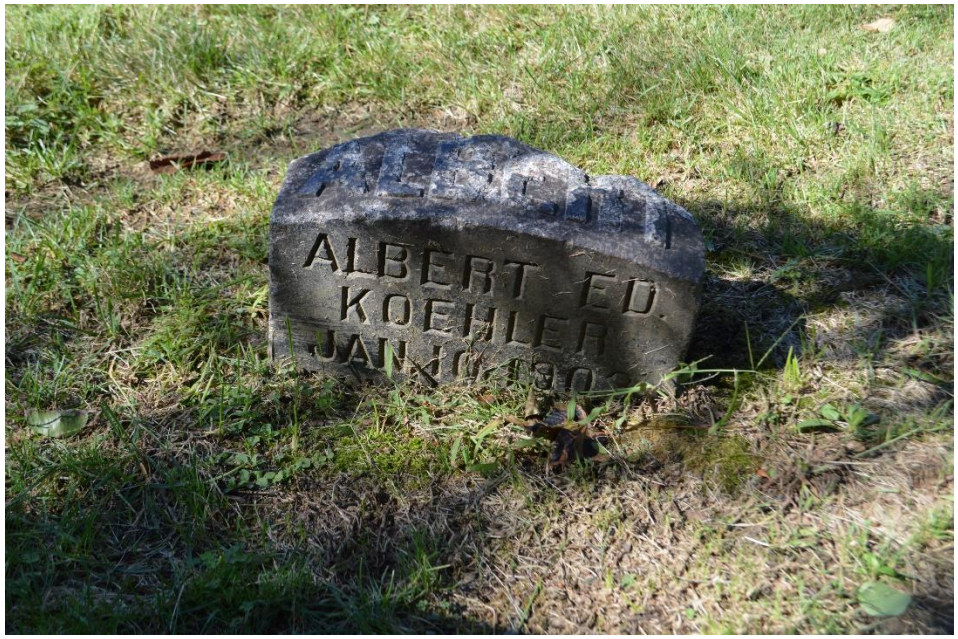
Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	127D
Lot #	156
Name	Corlett, Cora
Date of Death	
Material	granite
Marker Type	marker
Inscription	
	CORA
Stone Condition	
	Ambient dirt, biological growth, fallen off concrete foundation, impacted by bushes
Recommendations	
	Clean, treat biological growth, remove bushes and concrete, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	128
Lot #	160
Name	Henwood, William B.
Date of Death	1943
Material	granite
Marker Type	marker
Inscription	WILLIAM B. HENWOOD/1885 - 1943
Stone Condition	Ambient dirt, biological growth, good condition
Recommendations	Clean, treat biological growth

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	129
Lot #	162
Name	Koehler, Albert E.
Date of Death	March 31, 1910
Material	granite
Marker Type	marker
Inscription	ALBERT//ALBERT ED/KOEHLER/JAN 10, 1903/MAR 31, 1910
Stone Condition	Ambient dirt, biological growth, leaning, sunken, chipped top edge, missing material
Recommendations	Clean, treat biological growth, reset plumb at correct height



HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	130
Lot #	163
Name	M., J.
Date of Death	
Material	siltstone
Marker Type	tablet
Inscription	
	J. M.
Stone Condition	
	Ambient dirt, biological growth, set flat in concrete
Recommendations	
	Clean, treat biological growth, remove concrete, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	131
Lot #	163
Name	Warr
Date of Death	
Material	marble
Marker Type	marker
Inscription	
	WARR
Stone Condition	
	Ambient dirt, biological growth, sunken, chipped
Recommendations	
	Clean, treat biological growth, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	132
Lot #	163
Name	J., E.
Date of Death	
Material	siltstone
Marker Type	tablet
Inscription	E. J.
Stone Condition	Ambient dirt, biological growth, set flat in concrete
Recommendations	Clean, treat biological growth, remove concrete, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	133
Lot #	163
Name	Russell, Lydia
Date of Death	June 29, 1839
Material	marble
Marker Type	tablet
Inscription	OUR MOTHER/LYDIA RUSSELL/CONSORT OF..RUSSELL/DIED JUNE 29, 1839/AGED/63 YRS. 10 MS. 28 DS.
Stone Condition	Ambient dirt, biological growth, set flat in concrete
Recommendations	Clean, treat biological growth, remove concrete, reset plumb at correct height

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	134
Lot #	164
Name	Shaker Society Plaque
Date of Death	
Material	bronze
Marker Type	boulder
Inscription	THIS TABLET MARKS THE/FINAL RESTING PLACE/OF THE SHAKERS OF THE/NORTH UNION SOCIETY./THEIR REMAINS WERE/REMOVED FROM THE SHAKER/BURIAL GROUND ON SOUTH/PARK BOULEVARD TO THIS/CEMETERY IN 1909./"DO ALL YOUR WORK AS THOUGH/YOU HAD A THOUSAND YEARS TO LIVE,/AND AS YOU WOULD IF YOU KNEW/YOU MUST DIE TOMORROW."/ANN LEE/SHAKER HISTORICAL SOCIETY/SEPTEMBER 20,1949
Stone Condition	Ambient dirt, biological growth, good condition, plaque is missing two screws
Recommendations	Clean, treat biological growth, replace missing screws

HISTORIC GRAVESTONE SERVICES
***Conservation Form* TLC* 2021**

Cemetery	Warrensville West Cemetery
Location	Lee Rd., Shaker Heights, Ohio
GPS#	135
Lot #	61
Name	Gill, John
Date of Death	Jan. 24, 185-
Material	marble
Marker Type	tablet
Inscription	JOHN GILL//died Jan. 24, 185-/AGED 79 YEARS
Stone Condition	Ambient dirt, biological growth, leaning, impacted by trees
Recommendations	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height

APPENDIX D

CONSERVATION WORKSHOP WORKBOOK

BASIC CONSERVATION WORKSHOP

HISTORIC GRAVESTONE SERVICES

New Salem, MA

www.historicgravestone.com

Basic Conservation

What is the difference between a rock and a stone?

We clear the *rocks* from our fields and stack them along the edges to form *stone* walls, we use a *rock* in the middle of the stream as a stepping *stone* to cross to the other side, or we find a *rock* at the side of the lake which is flat and smooth suddenly it becomes a skipping *stone*…… we change it automatically. As soon as we assign a purpose to *rock*, it becomes *stone* and gravestones serve a very important purpose.

What is a gravestone?

Marker, Monument or Artifact - A gravestone serves to mark the location of a burial, or as a memorial to those whom may or not be buried there and after time become artifacts from another era. They command respect and deserve preservation.

Types of markers – fieldstone, tablet, die and base, obelisk, pedestal with base, box tomb, cairn, table tomb, monument with cribbing, ledger or wolf stone, mausoleum,

Carvers - just a few words about carvers and signatures…….always look for signatures and carver's marks. Record this information on the conservation form

Types of stones Sedimentary, Metamorphic, and Igneous

Sedimentary	accumulation and consolidation of sediment usually in layered deposits like sandstone, limestone and shale
Metamorphic	alterations to the minerals, texture and composition of a rock caused by exposure to heat, pressure and chemical actions. Shale to slate, limestone to marble and sandstone to schist
Igneous	crystallization of magma or lava into rocks like granite, basalt or gabbros

Who does the gravestone belong to?

When a stone is purchased and placed at a sight, it is the property of the family which owns the plot. The grounds are maintained by the company or town which oversees the cemetery, but the stone remains the property of the family and the descendents. Ancient burial grounds, pioneer and family cemeteries, churchyards and abandoned cemeteries can fall under the care of Historical Societies or Commissions. Historical & Friends groups will work to preserve the entire cemetery including the gravestones and structures which are viewed as historical artifacts.

Who should repair gravestones?

An individual should first have the proper training and permission. The stones still belong to the desendants and family members should be notified of any decisions regarding their stones. Cleaning and simple resets of family stones or as part of a conservation project can be performed by physically able and knowledgeable volunteers, however public safety is **priority**. Many repairs require a conservator to be done properly. Be sure to interview all potential conservators and check references!

Why should gravestones be cleaned?

Biological growth and ambient soiling will obscure important details and are detrimental to the stones longevity. Biological growths like algae, moss and lichen can consume the rock and cause a loss of material on the surface as well as conceal other problems; i.e. missing mortar, pests, water damage. Removal of biological growth and a gentle cleaning can be helpful in extending the life of the monument and improve its appearance.

Be aware that stones which have been exposed to the elements for years will likely have soiling and stains which are difficult to remove, if not impossible. Some stones are old and fragile and unable to withstand a more aggressive cleaning. It is okay if they are not fully restored to their former glory, but that they are maintained and appreciated.

Where do I start?

Once a project has been initiated and proper permission has been secured, the first step is to create a project plan. Work should **not** begin until there is a clear plan. Beginning with a stone by stone assessment, document the names, dates, inscriptions, and condition. Documenting forms should contain the location of cemetery, lot numbers, type of stone, monument style, inscription, condition and date of assessment. Document the stones with *before and after* photos. The plan will develop quickly and a priority list will emerge. The project can then easily move forward once there is a plan and a priority list.

What is wrong with this stone?

Assessing the stone properly will determine which treatment is correct. A stone which is ***leaning*** front to back is at more risk than a stone which is ***tilted*** side to side and therefore should be prioritized as such. A larger stone which has a 20% lean is at more danger than a small stone which has a 40% lean. A stone which has broken and is on the ground – is at risk of further damage and may be a high priority. A priority list should be generated from the assessments using the following criteria:

Priority List

#1 Public Safety	Can the stone fall on someone or trip them? Is it near a walkway or drive?
#2 Stone Safety	Is the stone in danger of falling or suffering further damage?
#3 Historical Value	Is the stone for an early settler in the town or important figure in history? Is the stone unusual or hand-carved, maybe from another era?

Cemetery
Location
Record Date
Name
Date of Death
Lot #

Material
Marker Type
Base
Orientation
Dimensions
No. Commemorated
Carved Surfaces
Stone Carver
Motif
Border
Carving Condition

Inscription

Previous Work

Stone Condition

Treatment

TOOLS

Cleaning

WATER, WATER, WATER
Buckets
Soft natural or nylon scrub brushes
Craft sticks
Plastic wrap/garbage bags
D-2 or Bio-wash
Elbow Grease

Resetting a Tablet Stone

Shovel
Wheelbarrow
Plastic Garden Trowel
Milk Crate
Tarps
Tape Measure
Level
Sand and Gravel
Pry Bar
Tamper
Wood for support, tamping and bracing
Water for compacting sand & gravel

Resetting Tablet in a Base

Mason Trowels
Pointing tool (flexible blade)
Mixing Bucket
NHL (naturally hydrated lime)
Masonry Sand
Portland cement
Water

Recommendations for cleaning old gravestones in-situ

When preparing to clean a stone ensure that it is stable. Visual observation comes first. Then **GENTLE** hands-on to test and confirm observations. Always stand or kneel to the side of the stone while applying solutions and scrubbing. Do not lean on the stone while cleaning. Should the stone prove to be unstable despite earlier precautions, potential personal injury will be avoided. Safety should be a priority.

#1 Cover all neighboring gravestones with plastic bags to protect them against splashing while cleaning.

#2 For all types of stones, dry brush the entire stone with a soft bristle brush to remove loose material such as moss, lichens or grass clippings before wetting.

#3 Always start to wet the stone with water at the bottom first and work your way up. Wet the stone **thoroughly with water** then begin scrubbing at the bottom of the stone; this will prevent streaks from the dirty water. Rinse with water *frequently* until the water runs clean from the stone.

#4 For slate, limestone, marble and granite – For biological growths, such as lichens or moss, use an agent like D-2 or Bio-wash designed specifically for biological growths on stone. Follow the manufacturer's directions. Wet the stone with this solution (starting at the bottom), scrub, and rinse with clean water. The solution will produce suds, but it is **NOT SOAP**.

#5 For slate, limestone, marble and granite – mix one-half cup of household ammonia into one gallon of water. Wet the stone with this solution (starting at the bottom), scrub, and rinse with clean water. Ammonia is non-hazardous to the stone or the environment. **BLEACH SHOULD NEVER BE USED**.

#6 Some lichen, black in particular, is very resistant to the above procedures. If necessary, the affected area can be treated with a poultice made from powdered clay (kaolin) mixed to a paste using equal parts of water and glycerin. Apply to moist stone and wrap with plastic to keep moist and leave for a day or two. Remove poultice and rinse well with clean water. This should remove most all lichens.

PROCEDURES FOR RESETTING A STONE

Resetting a Tablet Stone

#1 Remove sod from around the tablet stone carefully and place at side on tarp. Slowly and carefully remove soil from around the stone, using the plastic trowel. Support the gravestone while clearing the soil to expose the bottom of stone. Clear all soil around the gravestone before attempting to remove the stone. Lift the gravestone from the location, using lifting equipment if necessary and gently place horizontal on several pieces of wood for support before cleaning.

#2 Excavate the area for the stone to more than 1/3 the total height of the stone, removing all large rocks. Sift all soil through a screener and place on tarp. Check the center of site is in line with the row of gravestones. Begin to fill the hole with a few inches of gravel & sand mixed with soil and tamp down.

#3 Place some loose mix in the bottom of the hole and place in gravestone. Placement should be in line with the row and surrounding stones, facing in proper direction and only 1/3 of the total height of stone should be below grade. Continue to check placement of gravestone in row, depth of stone and that stone is level. Begin to place more loose gravel & sand mixed with soil around stone and tamp with a tamper until area is 4" from grade level. Keep checking the gravestone with the level and alignment of the stone. Pour water around stone to help compact the mix. After the water has drained, fill remaining area with soil and replace sod. Check gravestone again with level.

Resetting Tablet in a Base

#1 Excavate area and remove gravestone as described above. Place gravestone on wood for support and finish excavating site to proper depth. Bases should be just two to three inches below grade unless replacing an exposed base. Prepare area for the base with a foundation of gravel/sand/soil mix tamped down level. Set base with slot opening centered and in line with gravestones close by. Check base is level in all directions before filling around base. Tamp gravel/sand/soil mix around base to secure, leaving a few inches for top soil. Clean the gravestone as described above.

#2 Dry fit stone in base. Prepare work area with tools, braces, level before mixing mortar. Prepare a mortar mix of 4 parts sand, 2 parts hydrated lime and 1 part Portland cement. Be careful to keep the mortar stiff and not too wet.

#3 Place some of the mortar mix into the bottom of the base slot and place stone in the base. Check gravestone with a level and support placement with wood wedges. Fill in around the stone with mortar compacting it fully in the joint. Check again with the level and make any adjustments if necessary. Brace with wood to hold in place while setting up. Trowel mortar for final finish and clean excess mortar from surrounding area. Replace dirt and grass around base.

CONSERVATION METHODOLOGY

CLEANING

Cleaning gravestones is generally not recommended unless performing repairs. Biological soiling will degrade stone surfaces over a long time. The affects of this degradation needs to be weighed against the degrading affects of cleaning. Depending on the method of cleaning this can be beneficial or detrimental.
If cleaning is necessary the stone surfaces should be rinsed with a generous amount of water and brushed with a natural bristle brush. Repeat as necessary. If a stone has biological growth, it can be treated with an anti-biological solution. D2 Biological Solution (Cathedral Stone Products) is the recommended product for this application. D2 is a water soluble, non toxic, anti-biological solution which does not react with the stone or leave soluble salts.

Removal of failed repairs

Repairs are considered as having failed if they are no longer functional, are unsightly, or are a hazard. Failed adhesives, mortars and pins require careful removal before proceeding with conservation treatment. Some temporary stabilization may be necessary as poorly attached fragments are disassembled.
Removal of degraded structural resins may be particularly difficult and time-consuming. Mechanical removal is generally done with small hand tools. The cutting of pins and fasteners may require power tools. Ferrous metal pins are most often locked in place by corrosion expansion. Their removal is best done by careful drilling with a properly sized coring bit.

RESETTING

Eighteenth and early nineteenth century New England gravestones are typically stone tablets that were set directly in the ground. By the first half of the 19th century many headstones began to use bases. Stones were either mortared into slots or pined to the base. In some cases older tablets were cut and reset with a base. Larger monuments are often made of several elements and can be both large and heavy. Specialized hoisting equipment is often required. Competent operation and structural engineering considerations are required when performing this work.

Resetting in ground

Tilted stones set directly in the ground can be made plumb by careful excavation of the soil with hand tools, to permit re-setting in the proper position and drainage. When excavating, all large stones should be removed as ice heaves can cause an underground stone to push on the gravestone. If there is not an adequate length of below grade material to support the marker a new cast concrete below grade base will be required. Once the stone is carefully placed into the vertical position and at the proper depth, the stone is made plumb and level, and aligned with adjacent markers. Backfill with a mixture of course sand and pea gravel wetted and compacted. Disturbed areas of the ground are re-graded with topsoil and seeded as required.

Resetting on/in existing base

Unsecured stones in existing bases require re-setting. Generally the base should be reset level and aligned with adjacent stones. Pins should be removed if present. The stone can then be re-set level and plumb in the existing slot.
Re-set stone on a full bed of modified lime (or hydraulic lime) mortar. Historically ratios of 1 part cement, 4 parts lime and 8 parts fine sand have been used with good results. This mix is generally considered to be a soft mortar. Some conservation recommendations have specified ratios as high as 3 parts cement, 2 parts lime and 8 parts sand. The increased cement and reduced lime content has the effect of increasing the strength and adhesion of the mortar. In theory this would tend to make the mortar last longer than the traditional mix. The negative aspect is that the higher cement ratio produces a harder joint which induces a compression stress on the stone as the stone swells with varying weather conditions.
Our recommendation is to use 2 parts cement, 4 parts lime and 8 parts fine sand which, increases the strength somewhat while still retaining some of the softer properties to help reduce stress on the stone.

Resetting into new cast concrete base

There are several situations where a new cast base will be required. Usually tablets which are broken near grade level or have been cut years earlier and set into bases that have failed are typical examples of when a new base is needed. Bases can be set above grade or below depending on the stone, aesthetics or other factors. Bases can be cast on site or pre-cast and set in place on a level bed of gravel and sand.
Traditional cast concrete bases are typically made with a slot that is ½" wider and thicker than the stone and is recessed 3"-4". Depending on the size of the stone the base is usually 8"-12" deep, 8"-12" greater thickness and 6"-8" wider than the stone. This method is fine when resetting stones with a square bottom although the low moisture permeability of concrete will have a long term affect on the mortar joint. This is due to the slot not being continuous and moisture that collects cannot escape. A slot through the base where moisture can propagate out solves this problem.

Some conservation specifications recommend squaring the bottom of the stone by cutting the stone with a saw. This is not recommended as the use of power tools on old stones can cause damage to the stone. In addition valuable history including inscriptions may be lost. If the bottom of the stone is not square a base with the same

dimensions as above should be made but the slot should go completely through the base. This allows the excess stone to extend under the base level if needed and provides for better support.
To make the slot it is recommended that you use several pieces of Styrofoam insulation. An example would be if you had a stone that was 12” wide by 2” thick you would make a slot opening 13”wide and 3” thick. This would be accomplished by using 3 pieces of 1” insulation stacked together. The center piece should be made in sections which will facilitate the removal of the form after the concrete dries. Rapping the Styrofoam pieces in duct tape will hold all the pieces together while casting the concrete. Use of WD40 on the form also helps in releasing the concrete from the forms.

Restoration mortar repair

Repairs to gravestones, generally involves reassembly of broken pieces and fragments of stone, filling open joints, cracks and delaminating. Depending on the stone and type of break will determine which method of reattachment.

STRUCTURAL REATTACHMENTS

Broken stones to be bonded should be carefully cleaned and dry fitted to insure proper fit. The area around the stone should be probe for any missing pieces which may belong to the stone. Traditional method of two part epoxy (Aboweld 55-22, Abatron) is the common way of bonding stones that require structural integrity. Epoxy is very strong although it also is moisture insensitive. This has the effect of creating a moisture barrier at the repair joint. For marble and slate stones this can cause stone degradation over time due to the inability of the moisture to wick away from the area. Field observations have shown that failures usually occur adjacent to the repair joint which has been attributed to the strength of the epoxy being stronger than the marble. Closer observations have shown that the stone at the new break is usually degraded. Epoxy should be reserved for conditions where high shear forces are acting on the stone. Several factors such as angle of break, thickness of the stone, weight and bonding surface area need to be considered when deciding to use epoxy.
For most bonding applications, a non polymer, cement based restoration mortar (Jahn Restoration Mortars, Cathedral Stone) should be used. The specific bonding method should conform to the manufacturer’s specifications for the specific stone and should be performed by a certified Jahn Products Technician. Bonding with restoration mortars is preferable since the mortars are permeable to moisture and allow the stones to breath. Over time the stone integrity is maintained and should last longer than the epoxy. Restoration mortars should be tinted to match the stone color and texture after cleaning. Tinting can be achieved through appropriate pigments (alkali stable oxides) which are available through Cathedral Stone or mason supply.

Reinforcement

The routine use of pins has been the traditional way of reinforcing broken stones. This method is in debate and controversial. The use of pins should be avoided except in some very extreme situations where it is unavoidable. Generally, the use of pins is to provide extra support to keep two pieces together. If the stone begins to lean and the adhesion joint fails between the stones, then the pins are carrying the full weight of the stone. The pin extends the moment arm which can cause a large blow out on the face of the stone next to the pin. Whenever pins are found they should be removed either by cutting the excess pin off or if the stone is not fragile can be core drilled out. Core drilling should be avoided since more damage can be caused to the stone in the process.

If pins are required then stainless steel threaded rods ranging from 3/8”-3/4” diameter should be used and should never exceed 1/3 of the thickness of the stone. Stones should be drilled using a wet coring drill and at a slow speed. Pins are then secured using an epoxy structural adhesive.

Repair mortars/ crack fillers

Areas of missing stone can be filled using commercially available restoration mortars (Jahn Restoration Mortars, Cathedral Stone) tinted to match the stone. Tinting can be accomplished by adding masonry pigments to the mortar. Large cracks can also be filled using the same mortars. Mortar repairs should not be performed if there is a risk of freezing temperatures within two weeks after performing work.

Filling of delaminating stones

De-lamination occurs in many stones typically slate and sandstone. Repair of delaminated stones is designed to adhere the separated layers and prevent water penetration. The first step is to thoroughly clean the interior surfaces of the crack to remove debris. Depending on the nature of the crack, hand tools and compressed are can be used to clean out the area. Interior surfaces should then be wetted with water or a solution of water and isopropanol. For cracks larger than a 1/8” commercially available M40 flowable grout (Cathedral Stone) can be used. For smaller cracks M32 can also be used. Grouts should be tinted to match the stone after cleaning. Flowable grouts should be applied using manufacturers recommendations.

Reattachment of small fragments

Small stone fragments or friable areas are typically reattached with a solution of Acryloid B-72 in solution of acetone. This method is mainly for non structural applications where a zero thickness bonding joint is desired. Care should be taken as the B-72 forms moisture impermeable layers at the joint similar to epoxy. Depending on the geometry of the break it is possible to create a moisture trap which can cause deterioration over time.

Consolidation of friable stone

Stones showing signs of sugaring or de-lamination should be consolidated to maintain the granular integrity of the stone. Consolidation should be performed before further treatment is done. Consolidation should be performed using Conservaire OH100 (Prosoco) following manufacturers specifications for proper application. OH100 should be applied a minimum of 6 applications to promote deep penetration. Failure to perform this task can cause a hard skin to form and cause the layer to de-laminate. OH100 binds the grains of the stone without filling the voids between the grains. This allows the stone to continue to breath and expel water from the interior of the stone.

Products/Suppliers

Jahn™ Restoration Mortars - M120, M160 BL, M70

M40 & M32 Flowable Grouts

From: Cathedral Stone Products Inc.

7266 Park Circle Drive

Hanover, MD 21076

800 684-0901 fax 800 684-0904

Aboweld

From: Abatron, Inc.

5501 95th Avenue

Kenosha, WI 66046

262 653-2000 fax 262 653-2019

Conservare OH100

From: Prosoco, Inc.

3741 Greenway Circle

Lawrence, KS 66046

800 255-4255 fax 800 877-2700

D2 Biocide

From: LimeWorks, Inc

PO Box 151

Milford Square, PA

(215)536-6706

Additional information/websites

Association for Gravestone Studies
101 Munson Street
Suite 108
Greenfield, MA 01301
www.gravestonestudies.org

NCPTT
National Center for
Preservation Technology & Training
645 University Parkway
Natchitoches, LA 71457
www.ncptt.nps.gov

THE RECORDING OF A CEMETERY

By Thelma Greene Reagan

Today we walked where others walked
On a lonely, windswept hill;
Today we talked where others cried
For loved ones whose lives are stilled.

Today our hearts were touched
By graves of tiny babies;
Snatched from the arms of loving kin,
In the heartbreak of the ages.

Today we saw where the grandparents lay
In the last sleep of their time;
Lying under the trees and clouds
Their beds kissed by the sun and wind.

Today we wondered about an unmarked spot;
Who lies beneath this hallowed ground?
Was it a babe, child, young or old?
No indication could be found.

Today we saw where Mom and Dad lay.
We had been here once before
On a day we'd all like to forget,
But will remember forever more.

Today we recorded for kith and kin
The graves of ancestors past;
To be preserved for generation hence,
A record we hope will last.

Cherish it, my friend; preserve it, my friend,
For stones sometimes crumble to dust
And generations of folks yet to come
Will be grateful for your trust.

Historic Gravestone Services

New Salem, MA

Ta Mara Conde

Why should we care about these stones?

The first Polly stone

- Here lies y^e body
- of POLLY STONE, Dau.
- of Mr. SETH & Mrs. MARY STONE, who
- died June 27, 1778
- Aged 14 months

The second Polly stone

- Here lies y^e Body of
- POLLY STONE, Dau^tr of
- M^r. SETH and M^rs. MARY STONE, who died
- April y^e 20^th 1782. Aged
- 3 Years & 4 Months

What is gravestone conservation?

Art Conservation

- Preserve, Conserve, Restore
- Secretary of the Interior Standards

Rules of Conservation

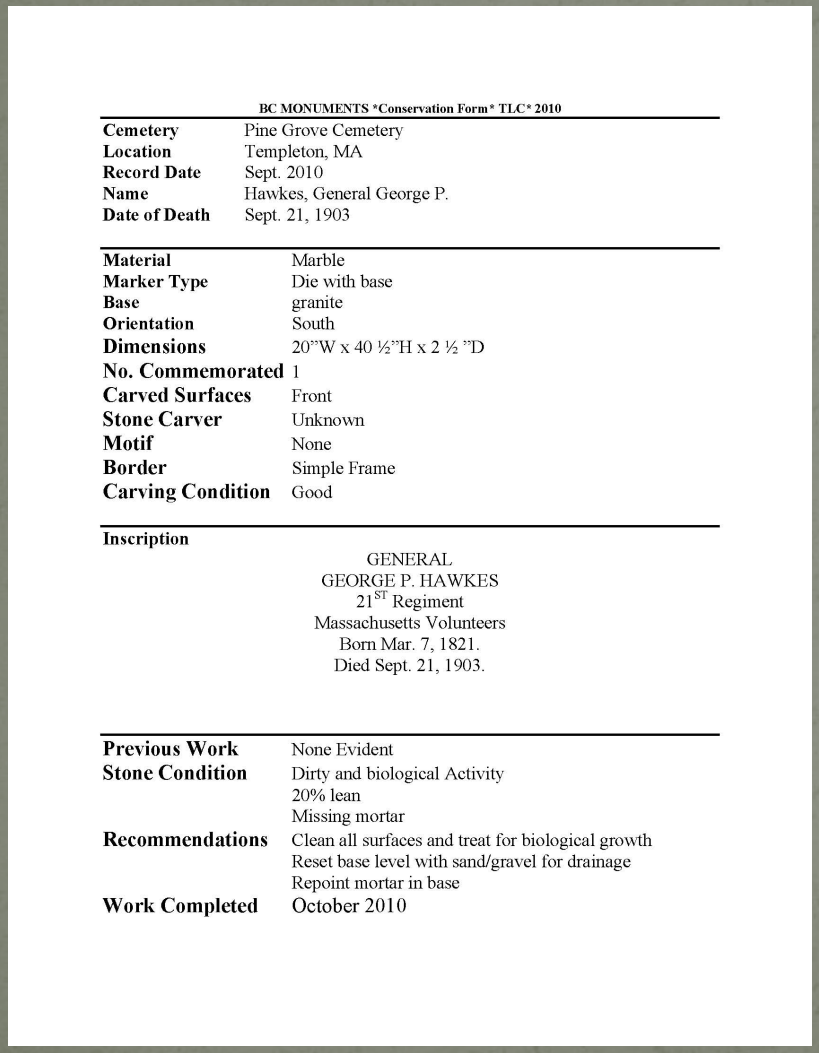
- 1. Do No Harm
- 2. Document all procedures
- 3. Reversible/Removable
- 4. Use approved methods & materials
- 5. Restored areas should be clearly evident
- 6. Remove *nothing* from the historic site

PHOTOGRAPHY

BEFORE

AFTER

DOCUMENTATION



BC MONUMENTS *Conservation Form* TLC* 2010

Cemetery	Pine Grove Cemetery
Location	Templeton, MA
Record Date	Sept. 2010
Name	Hawkes, General George P.
Date of Death	Sept. 21, 1903

Material	Marble
Marker Type	Die with base
Base	granite
Orientation	South
Dimensions	20"W x 40 ½"H x 2 ½ "D
No. Commemorated	1
Carved Surfaces	Front
Stone Carver	Unknown
Motif	None
Border	Simple Frame
Carving Condition	Good

Inscription

GENERAL
GEORGE P. HAWKES
21ST Regiment
Massachusetts Volunteers
Born Mar. 7, 1821.
Died Sept. 21, 1903.

Previous Work	None Evident
Stone Condition	Dirty and biological Activity 20% lean Missing mortar
Recommendations	Clean all surfaces and treat for biological growth Reset base level with sand/gravel for drainage Repoint mortar in base
Work Completed	October 2010

- Cemetery
- Location
- Date
- Name on stone
- Date of death
- Material
- Type of marker
- Dimensions
- Motif
- Inscription
- Condition
- Recommendations
- Work completed

Stones and Styles

Tablet

Die with base

Tablet with base

Obelisk and Multi-piece Monuments

Sandstone

Slate

White Bronze

Conservation treatments

- Clean and treat the biological growths
- Reset leaning stones
- Reset fallen stones
- Create new below grade bases to reset stone
- Reattach delaminating fragments
- Repair broken stones
- Fill missing material

Cleaning the stone

- The stone is treated for biological growths with D2
- Kills lichens and moss
- Environmentally safe
- Continues to fight biological growths

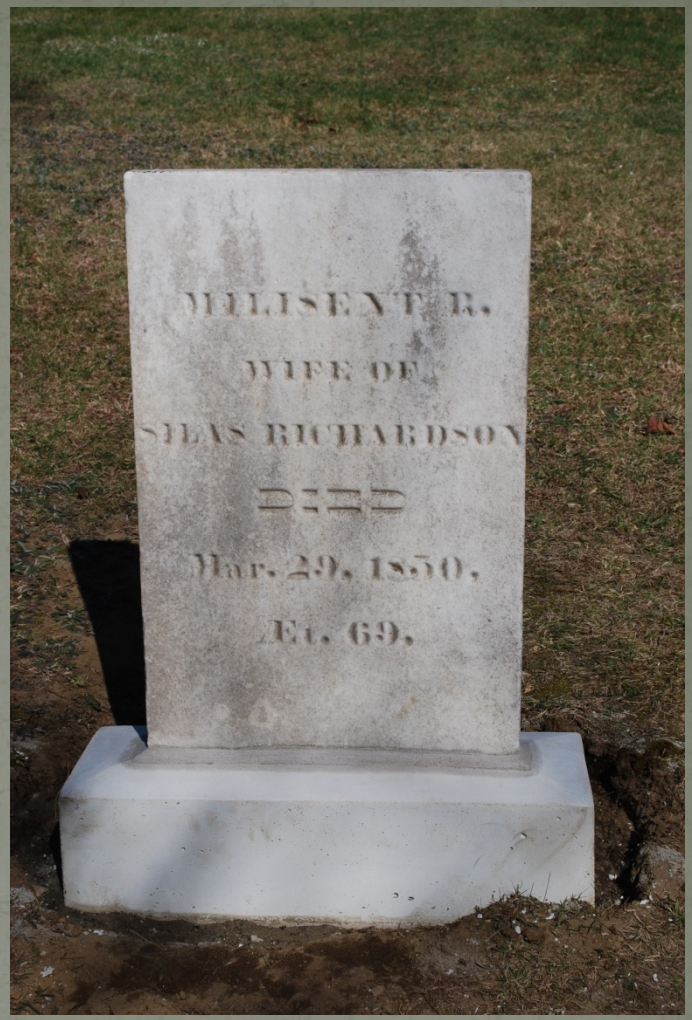
Resetting a leaning stone


HANNAH SAVIL
NOV. 15, 1726
74 YRS.
HERCULES


HANNAH SAVIL
NOV. 15, 1726
74 YRS.


HANNAH SAVIL
NOV. 15, 1726
74 YRS.
51

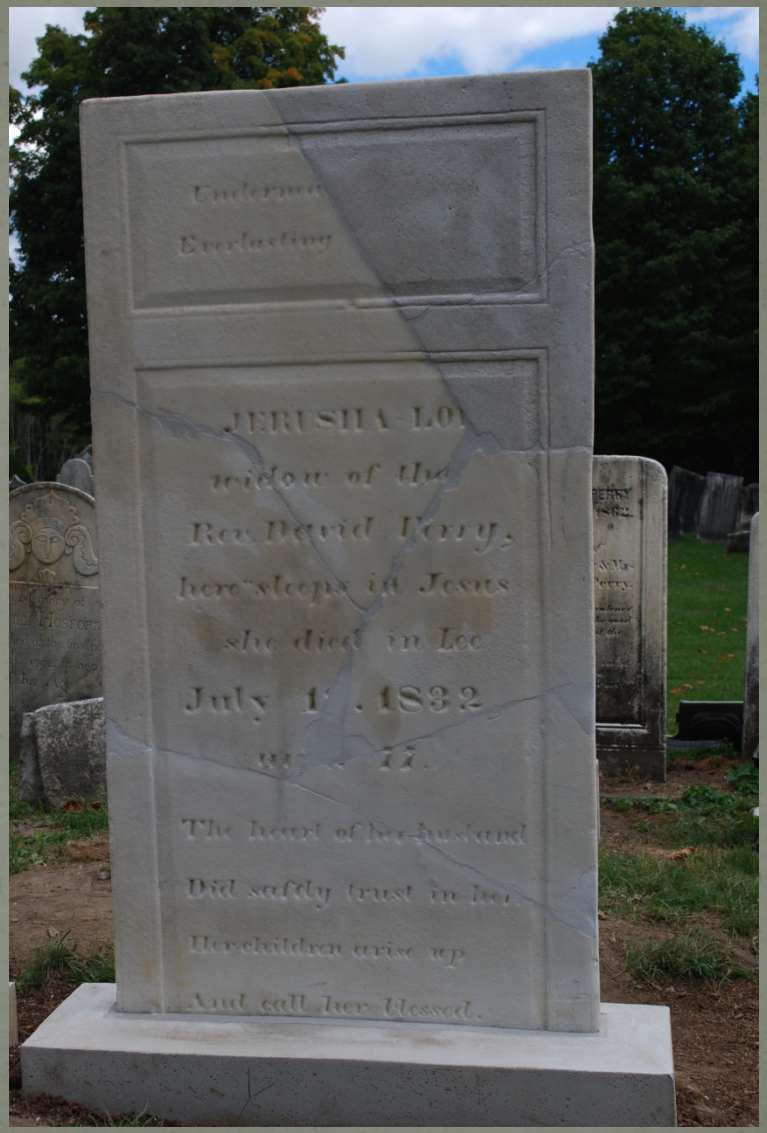
Needs New Below Grade Base


WIFE OF
SILAS RICHARDSON
DIED
Mar. 29, 1850.
Æt. 69.

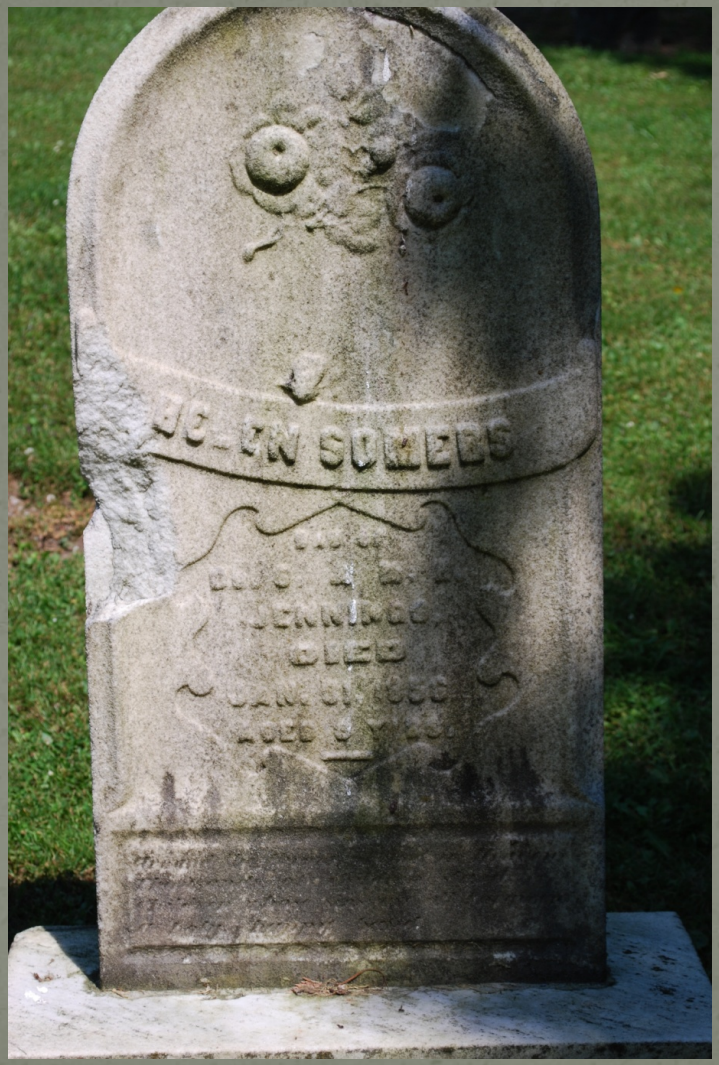
Delaminating stone

Broken Stones

- Reassembled with Jahn restoration Mortar



Fill Missing Material




JONATHAN
417

Thank You

Historic Gravestone Services

New Salem, MA

Ta Mara Conde

APPENDIX E

OPINION OF PROBABLE COST

Warrensville West Cemetery

Conceptual Cost Opinion

1/19/2022

Note: Estimate is preliminary and includes a 20% contingency.

Estimate does not include Escalation, Design and Engineering, Permits or Archaeological oversight

Item No.	Item of Work	Estimated Qty.	Unit	Unit Price	Line Price
	Lee Road Improvement				
1	Shrub Removal	0.1	acre	$15,000.00	$1,500.00
2	New Shrubs	22	ea	$100.00	$2,200.00
3	New Fence	220	lf	$100.00	$22,000.00
4	Mulch	11	cy	$55.00	$605.00
				Subtotal	$26,305.00
	Southern Property Line Improvement				
1	Tree Removal	1	ls	$15,000.00	$15,000.00
2	New Shrubs	10	ea	$100.00	$1,000.00
3	New Fence	210	lf	$100.00	$21,000.00
4	Mulch	7	cy	$55.00	$385.00
				Subtotal	$37,385.00
	Eastern Property Line Improvement				
1	New Fence	175	lf	$100.00	$17,500.00
				Subtotal	$17,500.00
	Southeastern Entry Improvement				
1	Earth Excavation	12	cy	$15.00	$180.00
2	6" Aggregate Base	6	cy	$23.00	$138.00
3	Concrete Walk	300	sf	$5.40	$1,620.00
4	Signs	1	ea	$2,000.00	$2,000.00
5	Benches- 6' VS RB-12	1	ea	$2,400.00	$2,400.00
6	Erosion Control- Silt Fence	100	lf	$2.50	$250.00
				Subtotal	$6,588.00
	Northwestern Entry Improvement				
1	Retaining Wall Removal	1	ls	$5,000.00	$5,000.00
2	Earth Excavation	67	cy	$15.00	$1,005.00
3	12" Aggregate Base	21	cy	$23.00	$483.00
4	Underdrain 4"	37	lf	$14.00	$518.00
5	Concrete Stairs	6	cy	$108.00	$648.00
6	Retaining Wall	4	cy	$108.00	$432.00
7	Hand Railing	2	ea	$2,000.00	$4,000.00
8	Erosion Control- Silt Fence	42	lf	$2.50	$105.00
9	Erosion Control- Inlet Protection	2	ea	$100.00	$200.00
				Subtotal	$12,391.00
	New Trees				
1	Kentucky Coffee Tree- 2.5" Cal	3	ea	$400.00	$1,200.00
2	Pin Oak- 2.5" Cal	4	ea	$560.00	$2,240.00
3	Thornless Honeylocust- 2.5" Cal	4	ea	$450.00	$1,800.00
4	Juniper- 3 Gal	10	ea	$65.00	$650.00
				Subtotal	$5,890.00
	Wild Flower				
1	Wild Flower Seed Mix	9	2000 sf	$40.00	$360.00
				Subtotal	$360.00
	QR Posts				
1	QR Posts	7	ea	$100.00	$700.00
				Subtotal	$700.00
	Additional Benches				
1	Benches- 6' VS RB-12	2	ea	$2,400.00	$4,800.00
				Subtotal	$4,800.00
				Subtotal	$111,919.00
1	Contigency (20%)	1	ls		$22,383.80
2	Layout/Staking (2%)	1	ls		$2,238.38
				Subtotal	$24,622.18
				Total Cost	$136,541.18

Assumption: Estimate does not include Escalation, Design and Engineering, Permits or Archaeological Oversight

Historic Gravestone Services
113 Michael Lane, New Salem, MA 01355

Gravestone Restoration Project
Shaker Heights, OH

January 19, 2022

This is a ***projected budget*** for the project and is **not** a bid. The information contained here is for budgetary purposes to solicit bids. The project includes the preservation and documentation for a total of 57 stones. The project includes 7 obelisk/pedestals, 36 tablets/tablets with base and 14 die with base style monuments. There are 15 of the monuments which are large, over a dozen broken stones needing adhesive repairs and 31 monuments which require mortar. Please find attached a list of stones needing preservation with treatments listed for each stone and ranked based on need. Also included is a copy of my Conservation Methodology which will provide specifications for each treatment.

All work should begin with documentation of the monument with a "before" photograph and written transcript. The area should be prepared for resetting the stone plumb in the original location and be reseeded with grass seed after work is completed. Each stone should be cleaned and treated for biological growth in accordance with proper conservation techniques and using approved materials appropriate for that stone. Upon completion, an "after" photograph should be taken and a report prepared with all treatments and photographs for town/cemetery records.

All work should be performed in accordance with American Institute for Conservation's Code of Ethics and the Secretary of the Interior's Standards.

Total ***projected budget*** for the scope of work to be performed, not to exceed **$40,000.00**

	GPS	LAST NAME	FIRST NAME	TYPE	STYLE	CONDITION	TREATMENT
1	67	KELLY	JOHN, ANN, EDWARD, CATHERINE, ALMIRA	GRANITE	OBELISK	Ambient dirt, biological growth, leaning more that 35°, tilted	Clean, treat biological growth, reset base plumb, reassemble with lime mortar
2	72	ADAMS	LYDIA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, leaning more than 50°	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar
3	74	ADAMS	JOHN	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, 2 fragments	Clean, treat biological growth, reset base plumb, reattach fragments
4	73	CHURCH	SARAH M.	SILT STONE	TABLET	Ambient dirt, biological growth, leaning, tilted, delaminating	Clean, treat biological growth, reset base & tablet plumb
5	66	KELLEY	E.T.	MARBLE	VET TABLET	Ambient dirt, biological growth, leaning, sunken	Clean, treat biological growth, reset plumb at correct height
6	104A	STILES	ASA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, sunken, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height
7	104	STILES	REBECCA	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar
8	105	STILES	48 YRS	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar
9	106	STILES	BETSEY	MARBLE	TABLET	Ambient dirt, biological growth, fallen, missing base, impacted by bush/tree	Clean, treat biological growth, trim or remove bushes, locate base,reset tablet with lime mortar
10	108	STILES	HIRAM, MARTHA, CHLOE, MANDANA	MARBLE	OBELISK	Ambient dirt, biological growth, broken, 2 fragments, leaning, missing mortar	Clean, treat biological growth, reset base plumb, reassemble with lime mortar, reattach fragments

11	110	EDWARDS	SAXTON	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, missing base	Clean, treat biological growth, locate base, reset tablet with lime mortar
12	32	LORD	ISABELLA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken 2 fragments, base broken	Clean, treat biological growth, reattach base fragments with restoration mortar, reset plumb, reattach fragments
13	44	BEACH	ELECTA	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken 2 fragments, caulk, sugaring of fragment	Clean, treat biological growth, remove caulk, reset tablet plumb at correct height, reattach fragment
14	27	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, concrete, surface cracks	Clean, treat biological growth, reset base plumb, remove concrete, reset tablet with lime mortar, fill cracks
15	39	HOLISTER	APPLETON	MARBLE	TABLET	Ambient dirt, biological growth, leaning, tilted	Clean, treat biological growth, reset tablet plumb at correct height
16	38	HOLISTER	LUTHER	MARBLE	TABLET	Ambient dirt, biological growth, leaning, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height
17	55	GILL	ISABELLA	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height
18	135	GILL	JOHN	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by trees	Clean, treat biological growth, remove or trim trees, reset tablet plumb at correct height
19	26E	BOYD	BERTHA	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, pins, missing base, impacted by trees	Clean, treat biological growth, trim or remove bushes, remove pins, locate & reset base plumb, reset die with lime mortar
20	116	UNKNOWN	AGED 91 YR 1 M 5 DYS	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, many fragments, missing material	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar
21	117	UNKNOWN	I.SHERMAN	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, many fragments, missing material	Clean, treat biological growth, locate fragments, create base, reassemble with restoration mortar

22	118	UNKNOWN	AGED 78 YR	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, missing material	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar, reattach fragments
23	71		HENRY	MARBLE	TABLET	Ambient dirt, biological growth, set flat into concrete	Clean, treat biological growth, reset tablet at correct height to prevent flooding
24	50		ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning & loose, broken base, concrete,	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar
25	57	CAINE	JOHN	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, concrete residue, failed repair	Clean, treat biological growth, reset base plumb, remove concrete, reset die with lime mortar, reattach fragments
26	131	WARR…		MARBLE	TABLET	Ambient dirt, biological growth, sunken, chipped	Clean, treat biological growth, reset plumb at correct height
27	70	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, 2 fragments, concrete, caulk, failed epoxy repair	Clean, treat biological growth, remove concrete & epoxy residue, reset base plumb, reattach fragments
28	132	J.	E.	SILT STONE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height
29	92	BELL	MOORE	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, sunken base	Clean, treat biological growth, reset base plumb, reset die with lime mortar
30	130	M.	J.	SILT STONE	TABLET	Ambient dirt, biological growth, set flat in concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height
31	93	BELL	MOOR, ANNIS, CLARISSA, SAMANTHA	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, tilted, caulk, missing mortar	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar
32	125	KNITTEL	SYLVESTER, KATHARINA	MARBLE	TREE	Ambient dirt, biological growth, leaning, chipped around bottom edge	Clean, treat biological growth, reset plumb at correct height

33	88	RADCLIFFE	THOMAS	SILT STONE	TABLET	Ambient dirt, biological growth, tilted, leaning, set too high, chipped edges	Clean, treat biological growth, reset plumb at correct height
34	89	RADCLIFFE	THOMAS (29 YR.)	SILT STONE	TAB/BASE	Ambient dirt, biological growth, fallen, sunken, missing base	Clean, treat biological growth, locate base, reset tablet with lime mortar
35	100	RADCLIFFE	JOHN	MARBLE	TREE	Ambient dirt, biological growth, leaning, moved off center, caulk, sunken base	Clean, treat biological growth, remove caulk, reset base plumb, reassemble with lime mortar
36	102	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, sunken base	Clean, treat biological growth, reset base plumb, reset die with lime mortar
37	90	KNEALE	JOHN	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, concrete	Clean, treat biological growth, remove concrete, reset plumb at correct height
38	63	RADCLIFFE	FRANCES	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, base broken, pins	Clean, treat biological growth, reset base plumb, reset die with lime mortar
39	96		JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 3 fragments, sunken & leaning base, failed	Clean, treat biological growth, remove concrete, reset base plumb, reset tablet with lime mortar, reattach fragments
40	85	CARRAN	MARY	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, base sunken	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar
41	86	CARRAN	ELLEN JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, base sunken	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar
42	109	UNKNOWN		MARBLE	TABLET	Ambient dirt, biological growth, fallen, sunken	Clean, treat biological growth, reset plumb at correct height
43	124	PRENTISS	JAMES & BETSEY	GRANITE	MARKER	Ambient dirt, biological growth, leaning more than 45°, chipped edges	Clean, treat biological growth, reset plumb at correct height

44	79	EASTWOOD	ALFRED	GRANITE	DIE/BASE	Ambient dirt, biological growth, fallen, base leaning	Clean, treat biological growth, reset base plumb, reset die with lime mortar
45	114	GIBBS	SAMUEL, MYRA	GRANITE	DIE/BASE	Ambient dirt, biological growth, fallen, chipped corners	Clean, treat biological growth, reset base plumb, reset die with lime mortar
46	45	UNKNOWN		FIELD STONE	TABLET	Ambient dirt, biological growth, leaning, surface cracks	Clean, treat biological growth, reset tablet plumb at correct height, fill cracks
47	68	PRENTISS	L.R.	MARBLE	OBELISK	Ambient dirt, biological growth, leaning, missing mortar	Clean, treat biological growth, reset base plumb, reassemble with lime mortar
48	111	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, broken, many fragments	Clean, treat biological growth, reset plumb at correct height, reattach fragments
49	112	KENT	ANDREW & ALMIRA	GRANITE	DIE/BASE	Ambient dirt, biological growth, tilted, leaning, impacted by bushes	Clean, treat biological growth, trim or remove bushes, reset base plumb, reassemble with lime mortar
50	127	CORLETT	EDWARD & MARY	GRANITE	OBELISK	Ambient dirt, biological growth, leaning, set on rubble, impacted by bushes	Clean, treat biological growth, remove rubble & bushes, reset base plumb,reassemble with lime mortar
51	28	STEVENSON	JANE LORD	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, caulk, impacted by bushes	Clean, treat biological growth, remove or trim bush, reset base plumb, remove caulk, reset die with lime mortar
52	47	BURCHARD	EMMA J.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, broken - old repair, concrete	Clean, treat biological growth, remove concrete, reset tablet plumb at correct height, fill cracks
53	52	CALLOW	MARGARET	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, sunken base, caulk, concrete	Clean, treat biological growth, remove caulk & concrete, reset base plumb, reset tablet with lime mortar
54	64	CAINE	WILLIAM	MARBLE	DIE/BASE	Ambient dirt, biological growth, concrete, old repair, sugaring, caulk	Clean, treat biological growth, remove concrete & caulk, reset base plumb, reset die with lime mortar

55	77	CORLETT	ELIZABETH	MARBLE	TAB/BASE	Ambient dirt, biological growth, tilted, base corners chipped	Clean, treat biological growth, reset base & tablet plumb
56	94	UNKNOWN		MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, sunken base	Clean, treat biological growth, reset base plumb, reset tablet with lime mortar
57	80	CARRAN	ROBERT	GRANITE	DIE/BASE	Ambient dirt, biological growth, leaning, base sunken	Clean, treat biological growth, reset base plumb, reset die with lime mortar

Historic Gravestone Services
113 Michael Lane, New Salem, MA 01355

Gravestone Restoration Project II
Shaker Heights, OH

January 24, 2022

This is a ***projected budget*** for the project and is **not** a bid. The information contained here is for budgetary purposes to solicit bids. The project includes the preservation and documentation for a total of 24 stones. The project includes 3 obelisk/pedestals, 17 tablets/tablets with base and 4 die with base style monuments. These stones are impacted by the hedgerow along Lee Rd. and should be preserved in conjunction with the removal of the hedgerow. Please find attached a list of stones needing preservation with treatments listed for each stone and ranked based on need. Also included is a copy of my Conservation Methodology which will provide specifications for each treatment.

All work should begin with documentation of the monument with a "before" photograph and written transcript. The area should be prepared for resetting the stone plumb in the original location and be reseeded with grass seed after work is completed. Each stone should be cleaned and treated for biological growth in accordance with proper conservation techniques and using approved materials appropriate for that stone. Upon completion, an "after" photograph should be taken and a report prepared with all treatments and photographs for town/cemetery records.

All work should be performed in accordance with American Institute for Conservation's Code of Ethics and the Secretary of the Interior's Standards.

Total ***projected budget*** for the scope of work to be performed, not to exceed **$17,000.00**

#	GPS	LAST NAME	FIRST NAME	MATERIAL	STYLE	CONDITION	TREATMENT
1B	1	DUNSHEE	LAURA T.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height
2B	2	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bushes, may be broken below grade	Clean, treat biological growth, remove bushes, reset plumb at correct height,may need base
3B	3	KENT	GEORGE T.	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, impacted by bushes, sunken base, missing mortar	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar
4B	4	KENT	HARRIETT M.	MARBLE	DIE/BASE	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset base plumb, reset die with lime mortar
5B	5	MC CULLOCH	ORPHAH	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, 2 fragments, missing or sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar
6B	6	MC CULLOCH	MIRANDA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, broken, 2 fragments, sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar
7B	7	MC CULLOCH	DAVID	MARBLE	TABLET	Ambient dirt, biological growth, fallen, broken, 2 fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar
8B	8	BALL	ORPHAH	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, fragment in base, missing fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar
9B	9	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height

10B	10	KENT	E.A.	MARBLE	TABLET	Ambient dirt, biological growth, leaning, tilted, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height
11B	11	CODDINGTON	AMERILA	MARBLE	TAB/BASE	Ambient dirt, biological growth, fallen, 3 fragments, sunken base, concrete, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar
12B	12	KENT	MARYETTA	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, caulk, pins, impacted by bushes	Clean, treat biological growth, remove bushes, remove caulk, remove pins, reset plumb, reset die with lime mortar
13B	13	BALL	SAMANTHA	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, fragment in base, missing fragments, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb, locate & reattach fragments with restoration mortar
14B	14	KNEALE	THOMAS	MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen with base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height
15B	15	KNEALE	ELEANORE	MARBLE	TAB/BASE	Ambient dirt, biological growth, leaning, impacted by bushes, concrete	Clean, treat biological growth, remove bushes, remove concrete, reset plumb at correct height
16B	16	UNKNOWN		MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen with base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height
17B	17	HONNISETT	ELENOR	MARBLE	TAB/BASE	Ambient dirt, biological growth,fallen, broken base, pins, impacted by bushes	Clean, treat biological growth, remove bushes, reattach base with restoration mortar, reset base plumb, reset tablet with lime mortar
18B	18	SAYLE	REV. JOHN	GRANITE	TABLET	Ambient dirt, biological growth, leaning, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height

19B	19	CALLOW	WILLIAM	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing mortar, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar
20B	20	COLLISTER	THOMAS & ANN	GRANITE	PEDESTAL	Ambient dirt, biological growth, leaning, caulk, set on rubble, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar
21B	21	COLLISTER	JANE	MARBLE	TAB/BASE	Ambient dirt, biological growth, broken, 3 fragments, concrete, sunken base, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height, reattach fragments with restoration mortar
23B	23	KEWISH	WM. & ANN	MARBLE	PEDESTAL	Ambient dirt, biological growth, leaning, set on rubble, caulk, missing urn, impacted by bushes	Clean, treat biological growth, remove bushes, remove rubble & caulk, reset base plumb, reassemble with lime mortar
24B	24	CAINE	WILLIAM	MARBLE	DIE/BASE	Ambient dirt, biological growth, fallen, pins, base leaning, impacted by bushes	Clean, treat biological growth, remove bushes, remove pins, reset base plumb, reset die with lime mortar
25B	25	DUFF	WILLIE	GRANITE	TABLET	Ambient dirt, biological growth, leaning, sunken, impacted by bushes	Clean, treat biological growth, remove bushes, reset plumb at correct height