SCOPE OF WORK
Riverside Cemetery Expansion & Site Improvements

I. Project Description

Riverside Cemetery is located at 2650 Lake Avenue, Rochester, New York. The property is bordered on the east by the Genesee River, on the south by Holy Sepulchre Cemetery, Lake Avenue on the west, and by City owned parkland on the north. The total site consists of approximately 95.5 acres of land that steadily drains to the Genesee River. The existing pond (Willow Pond) has an approximate 27 acre watershed. It is the intention of this project to address current drainage problems east and downstream from Willow Pond within the Riverside Cemetery and expand the Cemetery to the east in accordance with the Feasibility Study prepared in January 2013 by Marathon Engineering.

The Feasibility Study referred to above, identifies three phases of work. That work is briefly described below along with additional work desired by the City:

Phase I – Phase I will address the drainage issues extending from Willow Pond by installing a new storm sewer system with drainage structures and a stormwater quality basins. It will also include the replacement of any water piping systems and hose bibs that are located within the work area. Additionally, Phase I will include the beautification of Willow Pond that will afford additional interment space and safe access to the pond's center island.

Phase II – Phase II will develop the undeveloped portion of land east of the existing Veterans Section for additional interment sites. This undeveloped section is approximately 5 acres. Section W is where the existing scattering garden is located. The City's desire is to expand on the scattering garden with an attractive cantilever feature. Phase II will also install a new "cross-connection" road that will tie the loop road for Section R to the intersection at Sections T and V. In addition, Phase II will reconstruct/rehabilitate the existing failing roadway between Sections I and J as well as the roadway between the Veterans Section and Section R.

Phase III – Phase III is located in the lower undeveloped and wooded cemetery land where the existing Federal wetlands are located east of the Phase II development. Phase III will include the construction of a shared use loop road that will tie into the loop road at Section V. There is approximately 20-feet of elevation change between the Phase II area and the Phase III area. The shared use road will be added to the City's Genesee Riverway Trail system. Phase III will be kept as natural as possible and is intended to provide a serene environment with as little construction disturbance as possible, especially to the trees, native vegetation and wetlands.

Stormwater Improvements

Phase I

The existing pond (Willow Pond) located on the south side of the property, east of burial Sections A and C experiences overflows during heavy storm events. The City investigated and found that the overflows are likely due to the lack of capacity in the existing undersized, deteriorated and partially collapsed storm sewer system as well as the lack of an outlet control structure. A new storm sewer system extending from the existing pond to a proposed downstream stormwater quality pond/recharge basin is to aid in alleviating the drainage issues. The proposed stormwater quality pond will be designed to meet the latest New York State Department of Environmental Conservation (NYSDEC) stormwater guidelines and regulations for an MS4 (i.e. SWPPP, NOI, Erosion

Control Plan, etc.). All permitting tasks, coordination and inspection with and for the NYSDEC shall be performed by the design consultant selected. This includes obtaining Federal, State and/or local permitting (if any) associated with interment/scattering.

Included with the proposed storm sewer system installation will be the installation of catch basin structures as well as inlet and outlet control structures at the existing and proposed ponds. The design of all aspects of the storm sewer system and stormwater quality management pond shall be required of the design consultant selected.

Phase II

Design of all aspects of any stormwater improvements shall be the responsibility of the design consultant selected.

Phase III

Disturbance to the Federal wetlands will be necessary to construct the proposed loop road. A nationwide permit by the United States Army Corp of Engineers (USACE) will be required. The selected design consultant shall be responsible for all coordination and work necessary to gain the nationwide permit with the USACE. This includes obtaining Federal, State and/or local permitting (if any) associated with interment/scattering.

The Wetland Delineation Report prepared by Lu Engineers in December 2011 will be submitted by the City to USACE for approval.

Design of all other stormwater improvements shall be the responsibility of the design consultant selected.

Potable Water Improvements

Phase I & Phase II

Potable water is seasonably available at the cemetery. Improvements shall consist of replacing existing systems impacted by the stormwater improvements along with extending water service to the proposed Phase II area. Where improvements are necessary, the existing water system shall be abandoned in place. The design of all aspects of the water system shall be required of the design consultant selected.

Phase III

No work anticipated.

Street Improvements

Phase I

Repair of the existing roadway network is anticipated. The design of all aspects of the roadway repair and grading shall be required of the design consultant selected.

Phase II & III

Design of all aspects of the proposed and rehabilitated roadway networks, and grading shall be required of the design consultant selected. This includes but is not limited to the design of a culvert or bridge to cross the Federal wetland in Phase III.

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Cemetery Interment Creation and Landscape Improvements

Phase I

Design landscape improvements in a naturalized character using native species, to stabilize the edge of Willow Pond and afford the creation of cremation interment sites. Phase I will also include the replacement of the existing foot bridge with another bridge structure, culvert structure or other design that will allow the safe passage of pedestrians to cross over to the pond's island. In addition, the area south of the pond bounded by Sections A, K and Holy Sepulchre along the south property line will be designed for additional interment sites.

Phase II

Design of an expanded lawn cemetery on the upper plateau, east of the Veterans Section, north of Section "V" and south east of Section "R." The design is envisioned to include an expansion to the Veterans' section including traditional and cremation ground burial with flat military markers, scattering garden, and the introduction of columbaria. The remainder of the area is envisioned to be designed for traditional ground burial. Design of an expansion to the Walk of Peace scattering area is also envisioned in this phase.

Phase III

Design the lower portion of the cemetery expansion area for green burial and cremation interment. Cremation interment is envisioned to include columbaria, ground burial, and scattering options. Design should minimize the disturbance to the mature vegetation and preserve passive recreation opportunities, and provide a connection to the Genesee Riverway Trail. Installation of the interment features are envisioned for a future phase and outside the scope of this project.

SCOPE OF SERVICES

The consultant selected shall perform all phases of basic engineering services including but not limited to:

A. Planning and Preliminary Engineering (including updating and preparing any reports, subsurface investigation and wetland investigation);
B. Design;
C. Bidding and Award;
D. Construction Phase Design Services;
E. Assist the City in securing all applicable local, state, and federal permits and licenses to perform the work;
F. Resident Project Representation Services;

Project Budget: $1,395,000 (including design, construction phase services, resident project representation, construction and contingencies)