Department of General Services

PROJECT ANNOUNCEMENT

Post Date: 08.12.2024

Submittal Deadline: 08.23.2024

Project Title: East Tennessee Veterans Cemetery Gravesite Improvements

Facility Name: John Sevier

City: Knoxville County: Knox

SBC Project No.:

Agency: Department of Veterans Services

Maximum Allowable Construction Cost (MACC): $11,704,492.00

Development Manager: Yaras, Richard

Agency Representative: Rice, Patrick

Project Description:
Construct expansion of the existing cemetery including new gravesites, crypt fields, columbarium, access roads, and all required related work.

Designer Scope:
The scope of work for this project includes construction of 2,500 double-depth crypts with crypt field to be lined with landfill liner for drainage and sinkhole mitigation. Construction of 700 in-ground cremains and three columbarium walls (720 total niches). Site work also includes installation of a new 27-ft wide loop road, repair or replace existing irrigation system, landscaping, grading and drainage. The maintenance building storage area will be expanded to include a 4000 sq. ft. maintenance and storage equipment building.

Additional information about the project can be found in the project's program document included as a part of this announcement.

Special Design Requirements:
Design must adhere to National Cemetery Administration (NCA) guidelines.

Note: All information previously made available to consultants, by the State, and all information supplied by consultants to the State, relating to the subject project, will be made available to any potential respondents. Potential respondents desiring to review these documents can submit a request to STREAMDesigner.Interest@TN.gov.

Anticipated SBC Approval Date: 07.11.2024

Anticipated ESC Designer Selection Date: 09.23.2024

Anticipated Designer NTP Date: 11.18.2024

Anticipated Project Bid Date: 07.30.2025

EAST TENNESSEE JOHN SEVIER VETERANS CEMETERY

PROGRAMMING FOR GRAVESITE IMPROVEMENTS

PHASE 3: Program Document
SBC No. 529/000-02-2019
October 26th, 2023

PREPARED FOR:

TENNESSEE DEPARTMENT OF GENERAL SERVICES
REAL ESTATE ASSET MANAGEMENT (STREAM)
TENNESSEE TOWER, 24TH FLOOR
312 ROSA PARKS AVENUE
NASHVILLE, TENNESSEE 37243

PREPARED BY:

S&ME, INC.
6515 NIGHTINGALE LANE
KNOXVILLE, TENNESSEE 37909
WWW.SMEINC.COM
865-934-6023

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1.0 Executive Summary

S&ME, Inc. (S&ME) has prepared this Program Document to establish a project scope and construction cost estimate for Phase 3 Cemetery Expansion at the East Tennessee State Veterans Cemetery. In 2010, a Cemetery Expansion Master Plan was provided to the State of Tennessee Department of Veterans Affairs and the Tennessee Department of General Services Real Estate Asset Management (STREAM). The report summarized the need for burial expansion. The Cemetery has completed Phases 1 and 2 of the burial expansion. Due to the projections for burial usage, the Cemetery will exceed capacity and will require additional burials and subsequent site improvements.

Based on discussions with the State of Tennessee Veterans Services, the Phase 3 gravesite improvements defining this program will consist of the following design and construction of:

- 2,500 double depth crypts. Crypt field to be installed with landfill liner for drainage purposes and sinkhole mitigation.
- Provide area and install 700 in-ground cremains.
- Construct three (3) columbarium walls (720 total niches) along the perimeter of the existing east loop road.
- Replace top concrete and wall markers of three (3) existing columbarium to match proposed columbarium.
- A 27-foot-wide loop road northeast of the existing east loop road to facilitate access to expansion area included with new signage and site drainage.
- Demolish intersection at existing back entrance to maintenance area and staff parking, as required, to install new loop road.
- Develop a redundancy design for irrigation system for positive site drainage.
- Replace or repair existing irrigation system.
- Landscape Phase 3 area, consistent with existing site landscaping.
- Expand maintenance building storage area to include a 4,000-square foot maintenance and storage equipment building.

The total estimated construction cost (escalated to year 2026) is $12,739,150.13 A detailed opinion of probable cost is contained in Appendix II, the proposed site plan and future expansion plan are contained in Appendix I and select photographs of the existing cemetery are included in Appendix III.

2.0 Background

On January 25, 2023, representatives of the involved agencies met in the administration building at East Tennessee State Veterans Cemetery and the cemetery area was subsequently toured. The following people were in attendance:

- Jessie Wilson – STREAM
- Paul Overholser – Department of General Services
- Patrick Rice – Department of Veteran Services
- Michael Knowles – Director, John Sevier Veterans Cemetery
- Jennifer Sieracki – SmithGroup
- Brad Salsbury – S&ME
- Jennifer Blanchard – S&ME
- Brent Wood – S&ME

At the time of the site visit, the area of expansion was mowed grass and free of scrub trees. Photographs of the site are shown in Appendix III. Observations from the site visit along with information provide by STREAM and the Cemetery staff were utilized by S&ME to develop the Program Document for the Phase 3 expansion to include a proposed layout of the project site; estimate schedule for design and construction; opinion of probable cost; and site photographs.

3.0 Site Description

The East Tennessee Veterans Cemetery on 2200 E. Governor John Sevier Hwy is located outside the city limit of Knoxville in Knox County, Tennessee. The Cemetery resides on an approximately 70-acre site. The site is bordered by John Sevier Highway 168 and the French Broad River. Prior to the Cemetery development, the site was used for agricultural and farming operations. The Cemetery opened in 1990 and in 2010, a Cemetery Expansion Master Plan was established and separated the expansion of the East Tennessee Veterans Cemetery into six (6) phases. Phase 1 was completed in 2012 and Phase 2 was completed in 2019.

The Phase 1 cemetery plan comprised of casketed gravesites, crypts, in-ground cremains, and columbarium niches located along east loop road. The committal building and cortege drive were built northwest of the elliptical road. Infrastructure consisted of the entrance drive to the Cemetery, the west outer loop road leading to the administration/maintenance building, and the east and west ellipse loop roads encircling the in-ground cremains. Curb inlets were installed along each loop. The stormwater lines combine to a 30" storm line and then drain to a headwall before discharging to the French Broad River.

Phase 2 site is located between the west outer loop road and the west ellipse loop road. The Phase 2 cemetery layout comprised of additional crypts, columbarium niches, and in-ground cremains. The remainder of the west outer loop road was constructed to complete the west outer loop. Additional curb inlets were installed along the roadway that discharges to the same outfall as Phase 1. The irrigation system and associated apparatuses were installed to irrigate the crypt burial section. Evidence of potential sinkhole activity arose and remediations began as part of Phase 2. Depressions and sinkhole risk areas were filled and graded.

The disturbed area for Phase 3 is anticipated to be four (4) acres. Appendix I shows the site location and the proposed area for the Veterans' Cemetery phase 3 expansion.

Around the Phase 3 expansion area, the existing ground elevation ranges from approximately 850-900 feet above mean sea level. The site is graded with slopes ranging from approximately 2 to 12 percent with steeper slopes northwest, towards the French Broad River. The site plan includes the existing topographic features of the site (Refer to Appendix I).

Hydrologically, the site drains from east to west towards the French Broad River with the high point south of the site. The existing site drainage is routed west before discharging to the river. Rough grading for a portion of this phase of the development was conducted in a previous phase. Additional grading will be required to achieve finished grades.

From the site Master Plan Report prepared in 2010 and Report of Geotechnical Exploration – Proposed East Tennessee Veterans Cemetery prepared by S&ME in 2009, the site lies within the Appalachian Valley and Ridge Physiographic Province.

> *The site is underlain by bedrock of the Knox Group consisting of carbonate rock (i.e. limestone/dolomite). These carbonate rocks are soluble in slightly acidic water and are susceptible to the typical hazards of irregular weathering, cave and cavern conditions and overburden sinkholes. The site topography indicates the presence of seven (7) closed topographic depressions, four (4) of which evidence saturated soils conditions which can be an indicator of active bedrock solutioning which may lead to sinkhole activity.*

The site is actively karst and numerous sinkholes have developed on the site since its initial development. Proposed site grading and design shall incorporate reasonable measures to reduce the risk associated with future sinkhole development. It is recommended to grade the site to promote positive drainage and install impervious liners within excavated crypt fields to reduce the potential for sinkhole development.

4.0 Proposed Site Layout

Per the Master Plan, Phase 3 will consist of design and construction of additional crypts, columbarium, in-ground cremains, roadways, utilities, and all related sitework for the expanded site. For this reason, S&ME has partnered with SmithGroup for the development of the programming study.

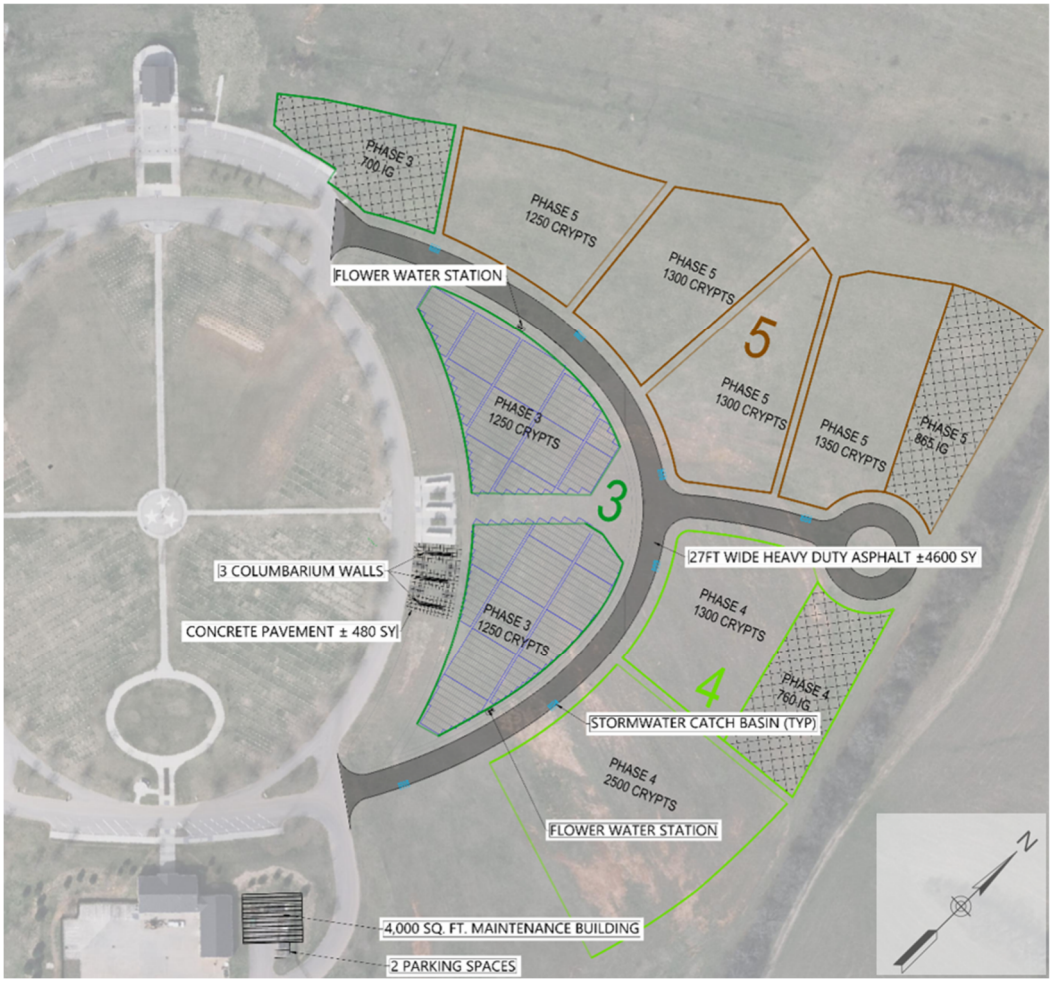
This phase will be consistent with previous development and layout for the Cemetery. Expansion will require grading of the site, construction of access, construction of cemetery structures, and sinkhole mitigation. In addition, the existing site irrigation system will be assessed for improvements.

During the Program site visit, the Cemetery staff and STREAM requested that the following items be added to the Phase 3 scope:

- Replacement of the concrete cap of three (3) existing columbarium walls to match existing and proposed architecture.
- Construction of the maintenance and storage area building.

The proposed layout, as shown in Figure 4-1, consists of proposed access roadways to provide access to the crypt field and in-ground cremains sites, in addition to providing access to future expansion to be conducted in future phases. An updated Master Plan site plan, providing by SmithGroup, is included in Appendix I.

Figure 4-1: Proposed Site Layout



4.1 Crypt Field

The crypt field for Phase 3 will be located northeast of east loop road and contain approximately 2,500 double depth crypts. The proposed crypts will match standard dimensions (3' x 8') of previously installed crypts. Crypt field design shall be done in accordance with the National Cemetery Administrations (NCA) design criteria. Grading of the area is recommended to have a minimum slope of 1% and maximum slope of 2% to encourage positive drainage and discourage ponding water.

Given the geology of the site, it is recommended that an impervious liner be placed within the crypt field during excavation. Due to potential sinkhole risk and concentrated subsurface drainage, the liner is utilized to prevent subsurface damage in the field.

4.2 In-ground Cremains

An in-ground cremains area will be developed as part of this phase. The cremains are to be located northwest of east loop road. The 5' x 5' plots will be arranged for uniformity and efficiency, totaling 700 in-ground cremains. The cremains areas shall be graded to promote positive drainage.

4.3 Columbarium Niches

The addition of three (3) columbarium walls will be constructed along the perimeter of the existing east loop road. They will reside on the right side of the existing columbarium plaza. Each wall containing 240 niches (720 total niches) is to be constructed using precast niches with granite/limestone plates and exterior masonry façade to reflect the existing masonry on site. Columbarium sizing shall be consistent with the existing walls on site.

Existing columbarium walls #4, #5, and #6 will have their top concrete caps removed and replaced with overhang caps consistent with the design style, surface, and color of other columbarium walls on site.

4.4 Exterior Features

4.4.1 Roadway Improvements

A 27-foot-wide loop road northeast of the east loop road will facilitate access to Phase 3 and future expansions. Along the new loop road, a cul-de-sac extension will be included to access future crypt fields. These crypts will be added in later phases. Demolition of existing pavement and intersections is anticipated for construction of the proposed roadway. The road will consist of heavy-duty asphalt with concrete curbs to delineate the roads and discourage parking in vegetated areas. Site signage will be included along the proposed roadway to direct traffic.

4.4.2 Softscape Development

The site will be landscaped using a mix of trees, sodded areas, and native grasses/wildflowers to be consistent with the existing site landscaping. Areas outside of the Phase 3 footprint should be planted with native grasses and wildflowers which after initial germination and maturity of temporary vegetation, should require limited maintenance or irrigation to survive.

4.4.3 Irrigation and Water Supply

Extension of the irrigation system will irrigate the new crypt burial section and the landscape area around the new columbarium. Further investigation of the water supply is warranted; however, for the purposes of this program, the installation of an irrigation system will be provided from either a dedicated well system; a pump and tank system to pull water directly from the river; or a booster pump system to enhance capacity from existing utility water line. The installation of a booster pump system can enhance water supply to the existing irrigation system. The Veteran Cemetery Staff reported insufficient water supply to the irrigation system and the concerns of operation and maintenance (O&M) cost. Selection of design is dependent on cost and construction feasibility.

The existing irrigation line needs further investigation or its pressure. Investigation of power from the controller location by a licensed electrical is necessary per NEC codes. Repair all irrigation leaks by replacing the existing irrigation lines and sprinklers. If portions of the existing irrigation system may be reused, the construction cost will decrease.

4.4.4 Maintenance Building

The storage area east of the administration building will be expanded to include room for a 4,000-square foot prefabricated metal maintenance building on concrete slab. The existing storage area will be replaced with a fully enclosed building providing heating and air conditioning. The area behind the administrative building will be expanded to include additional staff parking and material storage, as required.

4.4.5 Site Lighting

The existing lighting and power distribution shall be expanded and modified to account for gravesite expansion. All work shall be completed in accordance with the 2017 NEC, 2018 IBC, and other applicable local codes and ordinances. The existing 167kVA electric service is provided by KUB located at the southwest corner of the site. The existing electric distribution line is located between the middle and upper terrace levels of the site and travels in an east-west direction. For the purpose of this program, site lighting will be included along the proposed roadway.

4.4.6 Stormwater

Storm drainage will be provided along the proposed roadway to allow sheet flow and runoff from the site to collect and discharge to the French Broad River. Removal of solids and debris will be required prior to discharge of the storm system. We anticipate the new system will tie to the existing stormwater system and no new outfalls are planned.

4.5 Permitting

The development will be under the jurisdiction of Knox County and the State of Tennessee. Stormwater management will be designed using State of Tennessee and EPA guidelines for construction and post construction stormwater management. Design requirements for stormwater management shall follow Knox County Stormwater Management Ordinance and Manual for best management practices (BMPs). Due to the site disturbance being greater than 1 acre a Construction General Permit (CGP) through Tennessee Department of Environment (TDEC) will be required along with a Storm Water Pollution Prevention Plan (SWPPP). Site-related permitting may also include the City of Knoxville Land Disturbance Permit.

The site lies within Knox County zoning districts and review by Knox County planning staff would be recommended but not required. Building plans will require review and approval by the State Fire Marshall. The site, buildings and features will be designed as accessible spaces using the current edition of the 2010 Americans with Disabilities Act Standards for Accessible Design. Building codes and Life Safety codes shall follow the most current version of applicable state codes including but not limited to the 2018 International Building Code (IBC).

4.6 Natural Resource

Natural resource was not assessed based on existing conditions on the project site. The site does not lie within any FEMA designated flood zones and no threatened or endangered species are expected to be affected by the proposed repairs and improvements.

4.7 Archaeological Restrictions

From the Master Plan Report, a portion of the in-ground cremains is situated in an archaeological avoidance area identified in a Phase 1 archaeological survey, conducted in 2009 (See Appendix I). The Archaeological Research Laboratory (ARL) recommended that portions of the site be avoided and will require further investigation. Should any significant historical or archaeological resources be encountered during construction, all ground disturbing activities shall cease in the immediate area and a qualified archaeologist will be contacted for an evaluation before the work resumes.

5.0 Schedule

We anticipate the following design and construction schedule for Phase 3 buildout of the project:

Design	12-18 months
Construction	12-18 months

This schedule is dependent on the phasing of the project and the contractor's means and methods for construction. Environmental permitting and acceptance are not included within the schedule. Timelines for these items will be based on scope of services and permitting agency review requirements.

6.0 Recommendations for Phasing

This project contains multiple construction specialties. Crypts, cremains, columbarium's, grading, and road construction are each performed by specialized contractors; however, these could be performed by a General Contractor utilizing subcontractors. Project construction phasing shall be coordinated with the Veterans Cemetery Staff to avoid service interruptions and recognized holidays.

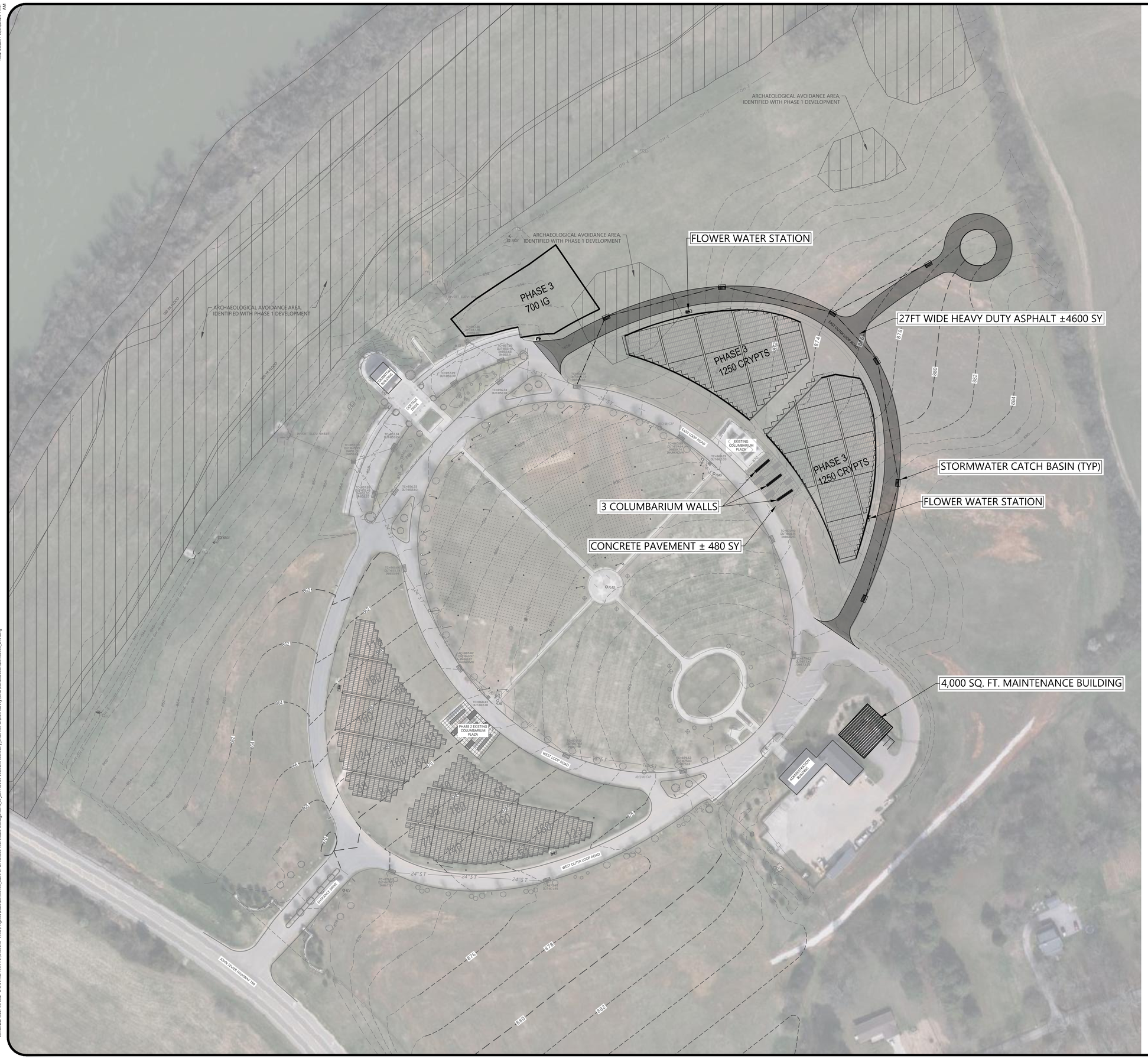
7.0 Opinion of Probable Construction Cost

An opinion of probable construction cost is included as Appendix II. Various methods to evaluate construction costs, including estimates from vendors, Tennessee Department of Transportation Bid Summaries, and our experience with past projects, were used along with estimated quantities based on anticipated scope of work. To account for the construction occurring in 2026, a cost escalation factor of 15.0% was utilized.

Attachments

Appendix I – Site Plan

TIME STAMP: 10/26/2023 11:57 AM



LEGEND

- ELECTRIC RISER — ER
- ELECTRIC METER — E
- UTILITY POLE
- GUY WIRE
- UTILITY POLE W/ LIGHT
- SANITARY SEWER MANHOLE — S
- GRID MONUMENT
- CURB INLET
- CATCH BASIN
- CLEANOUT — CO
- FIRE HYDRANT
- WATER METER — W
- WATER VALVE — WV
- IRRIGATION CONTROL VALVE — ICV
- TREE
- IRON ROD (W/ CAP) — IR(O) W/CAP
- SIGN
- CRYPT
- FLOWER WATER STATION
- MAJOR CONTOUR LINE — -500-
- MINOR CONTOUR LINE — 502
- OVERHEAD ELECTRIC — OH-E
- 30" STORMWATER PIPE — S T
- 24" STORMWATER PIPE — 24" S T
- 18" STORMWATER PIPE — 18" S T
- 8" STORMWATER PIPE — 8" W

CRYPT

NOTES

1. CONTOURS SHOWN IN AREA NORTHEAST AND SOUTHWEST OF ELLIPSE ARE TAKEN FROM RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY.
2. FLOOD ELEVATION DATA IS TAKEN FROM SCALED FEMA MAPS FOR REFERENCE ONLY.
3. ARCHAEOLOGICAL AVOIDANCE AREAS ARE TAKEN FROM RECORD DRAWINGS AND SHOWN FOR REFERENCE ONLY.
4. EXISTING CONDITIONS SHOWN ARE INTERPRETED ON THE ENGINEERS UNDERSTANDING OF SITE IMPROVEMENTS AND DEMOLITION COMPLETED IN 2019 FOR EAST TENNESSEE STATE VETERANS CEMETERY EXPANSION ACTIVITIES (SBC NO. 682/002-01-2016). ACTUAL CONDITIONS MAY VARY.

Know what's below.
Call before you dig.

N

0 60 120 180
GRAPHIC SCALE (IN FEET)

VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83/27

DESIGNER

S&ME, INC.

6515 NIGHTINGALE LANE
KNOXVILLE, TENNESSEE 37909
(865) 934-6023
www.smeinc.com

TN Department of General Services | Real Estate Asset Management (STREAM)

OWNER

STATE OF TENNESSEE, DEPT. OF GENERAL SERVICES REAL ESTATE ASSET MANAGEMENT (STREAM)

TENNESSEE TOWER
312 ROSA L. PARKS AVE., TN TOWER, 24TH FLOOR
NASHVILLE, TENNESSEE 37243

PHASE 3 EXPANSION
EAST TENNESSEE JOHN SEVIER VETERANS CEMETERY

2200 EAST GOVERNOR JOHN SEVIER HIGHWAY 168
KNOXVILLE, TENNESSEE 37920

SBC No. 529/000-02-2019

SCALE
1" = 60"

DATE
10/25/2023

PROJECT NUMBER
22430433

DRAWING TITLE
PROPOSED SITE PLAN

DRAWING NUMBER
C1.00

ORIGINAL SIZE: 30"X42" DRAWING PATH: t:\knoxville 1430\Projects\2023\22430433_state of tennessee real estate management_et john sevier veterans cemetery, knoxville tn\civil survey\CAD\construction\22430433_LAY.dwg

	UNITS PER INTERMENT TYPE		
EXPANSION NO.	CRYPTS [3' X 8']	IN GROUND CREMAINS (IG) [5' X 5']	COLUMBARIUM NICHES [DOUBLE WALLS, 4 ROWS HIGH]
PHASE 3	2500	700	720
PHASE 4	3800	760	
PHASE 5	5200	865	
PHASE 6	4010	875	
PHASE 7	5290	725	
PHASE 8	3860	800	
SUBTOTALS	24660	4725	720



EAST TENNESSEE JOHN SEVIER VETERANS CEMETERY PHASE 3 EXPANSION

SMITHGROUP
CEMETERY PLANNERS

201 DEPOT STREET
SECOND FLOOR
ANN ARBOR, MI 48104
734.662.4457
www.smithgroup.com

ISSUED FOR	REV	DATE

SEALS AND SIGNATURES

SHEET TITLE

PLANNING - PHASE 3

0' 50' 100' 200'

SCALE: 1"=100'

SCALE 14444

PROJECT NUMBER 1

SHEET NUMBER

FILE:C:\Users\jbierecki\SmithGroup Companies Inc\.PRJ - 14444 - SmithGroup - SmithGroup\CAD\US Civil\STUDIES\14444-MP-PLAN.dwg USER: jbierecki DATE: Aug. 15, 2023 TIME: 11:01 am

Appendix II – Opinion of Probable Cost

Opinion of Probable Construction Cost
East Tennessee State Veterans Cemetery - John Sevier
Gravesite Improvements
SBC No. 529/000-02-2019-09
Task Authorization #09-014
Phase 3 Expansion - Engineer's Estimate

DIVISIONAL BREAKDOWN

Division No.	Description	Unit	Estimated Qty.	Unit Cost	Subtotal
2	Demolition Asphalt	SY	100	$ 30.00	$ 3,000.00
2	Demolition Concrete Curb/Gutter	LF	200	$ 30.00	$ 6,000.00
3	Columbarium Walls (240 Niches per wall)	EA	720	$ 150.00	$ 108,000.00
3	Concrete Foundation for Columbarium Walls	SY	135	$ 160.00	$ 21,600.00
3	Concrete Pavement Columbarium Walls	SY	480	$ 75.00	$ 36,000.00
3	Columbarium repairs	LS	1	$ 30,000.00	$ 30,000.00
4	Masonry Veneer	SF	600	$ 100.00	$ 60,000.00
4	Masonry Slab Top	EA	1	$ 10,000.00	$ 10,000.00
4	In Ground Cremains 5'x5'	EA	700	$ 212.50	$ 148,750.00
5	Maintenance Building Expansion	SF	4000	$ 125.00	$ 500,000.00
10	Signage	EA	8	$ 500.00	$ 4,000.00
31	Earthwork	CY	37500	$ 20.00	$ 750,000.00
31	Drainage Aggregate	Ton	2500	$ 45.00	$ 112,500.00
31	Pea Gravel Stone	Ton	780	$ 75.00	$ 58,500.00
31	Sand for Crypt Coverage	Ton	725	$ 41.00	$ 29,725.00
31	Erosion Control	LS	1	$ 35,000.00	$ 35,000.00
31	Topsoil (Haul in)	CY	1700	$ 20.00	$ 34,000.00
32	27' wide HD PVMT (6" Stone, 1.5" Asphalt, 3" Binder)	SY	4600	$ 75.00	$ 345,000.00
32	6" Sloping Detached Concrete Curb	CY	120	$ 722.00	$ 86,640.00
32	3'x8' Crypts	EA	2500	$ 1,500.00	$ 3,750,000.00
32	Bentonite Liner	SF	90000	$ 1.00	$ 90,000.00
32	Sod	SY	10000	$ 15.00	$ 150,000.00
32	Landscaping Trees	LS	1	$ 50,000.00	$ 50,000.00
32	Grid Monuments	EA	34	$ 175.00	$ 5,950.00
33	Road Stormwater Pipe 18" HDPE	LF	1080	$ 125.00	$ 135,000.00
33	Road Stormwater Pipe 24" HDPE	LF	220	$ 150.00	$ 33,000.00
33	Road Stormwater Catch Basin	EA	7	$ 5,000.00	$ 35,000.00
33	Headwall	EA	1	$ 7,500.00	$ 7,500.00
33	Crypt Underdrain 24" HDPE	LF	1400	$ 75.00	$ 105,000.00
33	Irrigation Piping	SF	90000	$ 0.50	$ 45,000.00
33	Replace Existing Irrigation Piping	SF	100000	$ 1.50	$ 150,000.00
33	Pump and Tank	LS	1	$ 35,000.00	$ 35,000.00
33	Flower Water Station	EA	2	$ 5,000.00	$ 10,000.00

Subtotal Direct Cost of Work	$6,980,165.00
General Conditions - 20% of Subtotal Direct Cost of Work	$ 1,396,033.00
SUBTOTAL w/ DIRECT OVERHEAD	$8,376,198.00
Construction Contingency (15.0%)	$ 1,256,429.70
SUBTOTAL w/ CONSTRUCTION CONTIGENCY	$9,632,627.70
2025 Construction Budget with 15% of Total construction cost per Year	$11,077,521.86
2026 Construction Budget with 15% of Total construction cost per Year	$ 12,739,150.13

Appendix III – Site Photos



PHOTO LOCATION

PROGRAMMING

EAST TENNESSEE VETERANS CEMETERY
KNOXVILLE, TENNESSEE

SCALE:
1" = 200'
DATE:
ISSUE DATE
PROJECT NUMBER
22430433
FIGURE NO.

FIG 1

Drawing path: T:\Knoxville-1430\Projects\2023\22430433_State of Tennessee Real Estate Management_ET John Sevier Veterans Cemetery_Knoxville TN\Civil Survey\CAD\Construction\22430433_PHOTOS.dwg



Date: 1/25/2023

Photographer: BCW

1	**Location / Orientation**	See Photo Location Map
	Remarks	Maintenance area



Date: 1/25/2023

Photographer: BCW

2	**Location / Orientation**	See Photo Location Map
	Remarks	Maintenance area



Date: 1/25/2023

Photographer: BCW

3	**Location / Orientation**	See Photo Location Map
	Remarks	Maintenance area



Date: 1/25/2023

Photographer: BCW

4	**Location / Orientation**	See Photo Location Map
	Remarks	Maintenance area



Date: 1/25/2023

Photographer: BCW

5	**Location / Orientation**	See Photo Location Map
	Remarks	View of columbarium



Date: 1/25/2023

Photographer: BCW

6	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

7	**Location / Orientation**	See Photo Location Map
	Remarks	Existing columbarium



Date: 1/25/2023

Photographer: BCW

8	**Location / Orientation**	See Photo Location Map
	Remarks	Existing columbarium Phase 2



Date: 1/25/2023

Photographer: BCW

9	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

10	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

11	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

12	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

13	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area



Date: 1/25/2023

Photographer: BCW

14	**Location / Orientation**	See Photo Location Map
	Remarks	Phase 3 Area