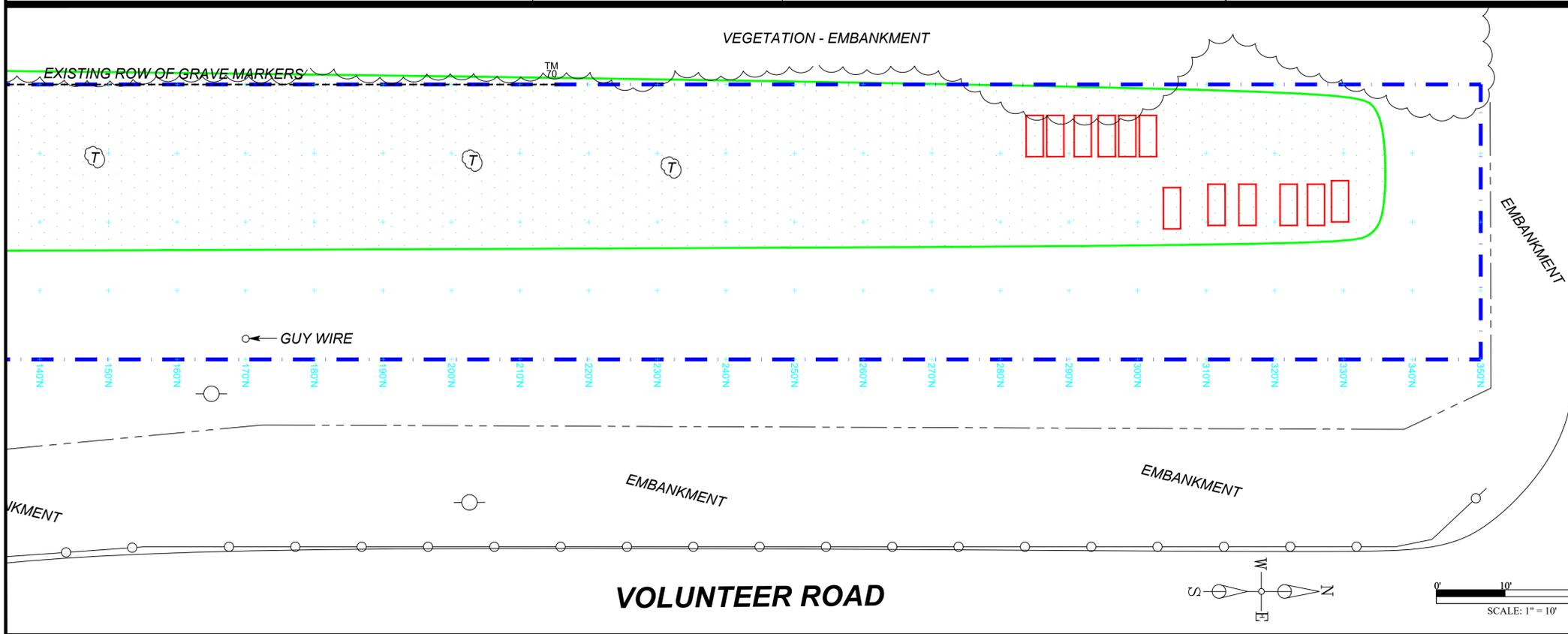


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The accessible sections of the search area, as shown, were investigated by Geo-Graf, Inc. (GGI) using Ground Penetrating Radar (GPR) nonintrusive geophysical subsurface techniques in an attempt to delineate presence and location of individual (marked or unmarked) graves within the cemetery, as well as, determine the extent and/or boundaries of the cemetery.



FINDINGS

GPR burial signatures indicating the locations of 107 graves were detected within the accessible search area. Depth to the top of the graves based on GPR data approximations ranged from 4' to 6' below grade.

A single line of continuous grave markers extends approximately 215 feet along the western edge of the cemetery presumably representing approximately 50 burials. GPR burial signatures representing intact graves were detected associated with 30 marked graves along this line. Also, burial signatures were detected associated with the two grave markers found at the SW corner of the cemetery.

In addition, two more rows of burials signatures were detected totaling 75 unmarked graves. Of the 75 individual unmarked graves detected, 63 were positioned at the south end of the cemetery (refer to Figure 3) and 12 at the north end.

A general area of disturbance was detected by GPR extending the length of the cemetery and likely encompassing 3 rows of graves. GGI suspects this represents the extent or boundary of the cemetery. Additional graves could be located within this disturbed area, but due to interment age and/or soil conditions, were not detected by GPR.

Burial Anomalies
An approximately 10' x 15' anomalous area was detected within the southern half of the cemetery. The anomalous GPR data signatures exhibited were indicative of an area possibly containing mass or multi-layered graves (refer to Figure 4).

Non-Burial Anomalies
An approximately 8' x 8' subsurface target was detected just outside the delineated cemetery boundary. The exhibited GPR data was indicative of a concrete septic-like structure. Possible leachate piping was detected extending off the corners of the buried structure and an inflow pipe was detected extending from the structure toward Lakeville Road (NY 20A). Depth to the top of the structure and pipe based on GPR data approximations is 3' to 4' below grade.

A grave size of 30" x 6' is assumed for the representation of the GPR-detected intact burials as plotted. The actual grave sizes may vary. The estimated maximum GPR signal penetration achieved at this site is approximately 8' below grade. Thus, features existing at or below this depth will go undetected.

- = GPR-DETECTED INDIVIDUAL GRAVE SIGNATURE (MARKED)
- = GPR-DETECTED INDIVIDUAL GRAVE SIGNATURE (UNMARKED)
- = GPR-DETECTED AREA OF DISTURBANCE (EXTENT OF CEMETERY)
- = GPR-DETECTED BURIAL ANOMALY
- = GPR-DETECTED SUBSURFACE TARGET
- = GGI INVESTIGATED AREA
- = GGI REFERENCE GRID
- = SEPTIC SYSTEM PIPING
- = TREE

Geo-Graf GEOGRAPHICAL INVESTIGATIONS		SUBSURFACE ANOMALY MAP	
Ground Penetrating Radar Specialists		GEOGRAPHICAL INVESTIGATION FINDINGS NEW COUNTY POORHOUSE CEMETERY TOWN OF GENESEO, LIVINGSTON COUNTY, NY	
Prepared For: LIVINGSTON COUNTY HISTORIAN	DATE: SEPTEMBER 27, 2023	SCALE: 1" = 10'	FILE NAME: 091223-NEW-COUNTY-CEMETERY.DWG
West Chester, PA www.geo-graf.com	SIZE: D	BASE MAPPING FILE: 091223	GEO-GRAF PROJECT NUMBER: 091223
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