

FIGURES

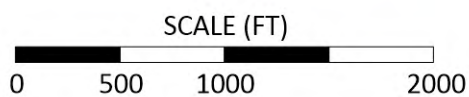
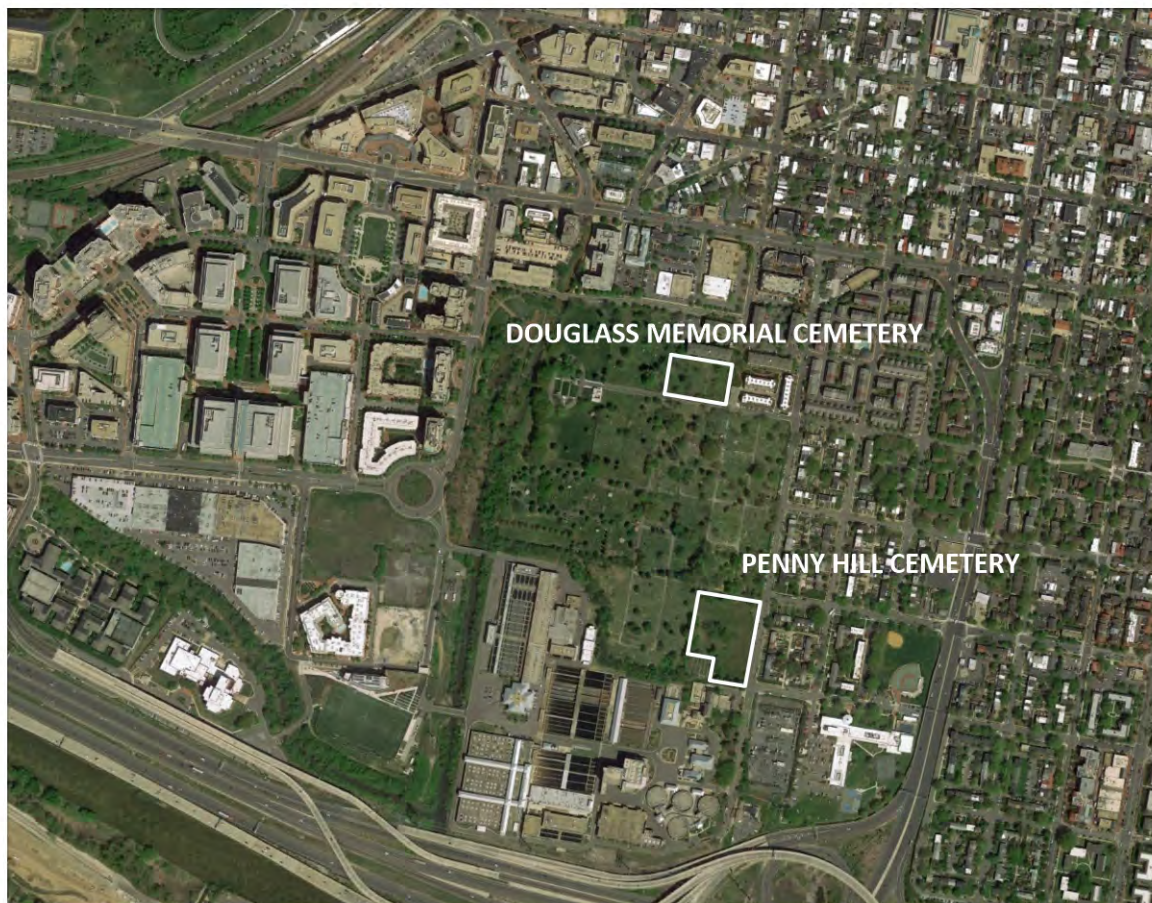
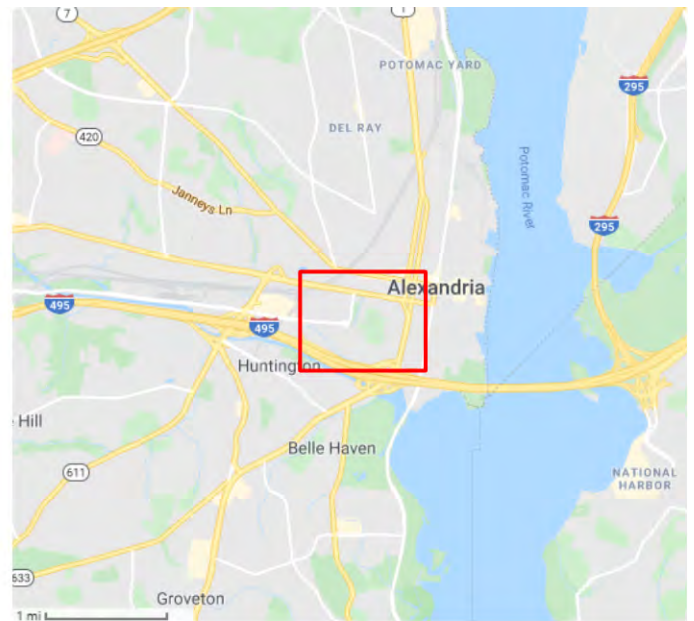


FIGURE 1
LOCATION MAP
DOUGLASS MEMORIAL AND PENNY HILL CEMETERIES
ALEXANDRIA, VIRGINIA

PREPARED FOR

ALEXANDRIA ARCHAEOLOGY
ALEXANDRIA, VIRGINIA



NOTES: The origin point 0 ft E - 0 ft N is located at a point at the inner curb of Wilkes Street 3 feet east along the curb from where the iron fence forming the western border of the cemetery projects to the curb.

Site topography was derived from Lidar data obtained from Virginia Information Technologies Agency (VITA).

FIGURE 2

DOUGLASS MEMORIAL CEMETERY
SURVEY AREA ON LOCAL GRID
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NOTES: The site grid was established on the basis of distance West and distance North. The origin of the site grid (0 ft N - 0 ft W) is the inner edge of the curb along South Payne Street opposite the utility pole in the SE corner of the survey area where the pole is located at 0 ft N – 6.5 ft W on the site grid and the N- S axis is the South Payne Street curb.

Blocks are discrete GPR survey areas. Red line is external limit of survey area. Blacked out areas are where vegetation prevented surveying within the individual blocks.

Site topography was derived from Lidar data obtained from Virginia Information Technologies Agency (VITA). Contour interval 0.5 ft.

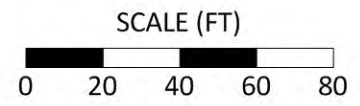
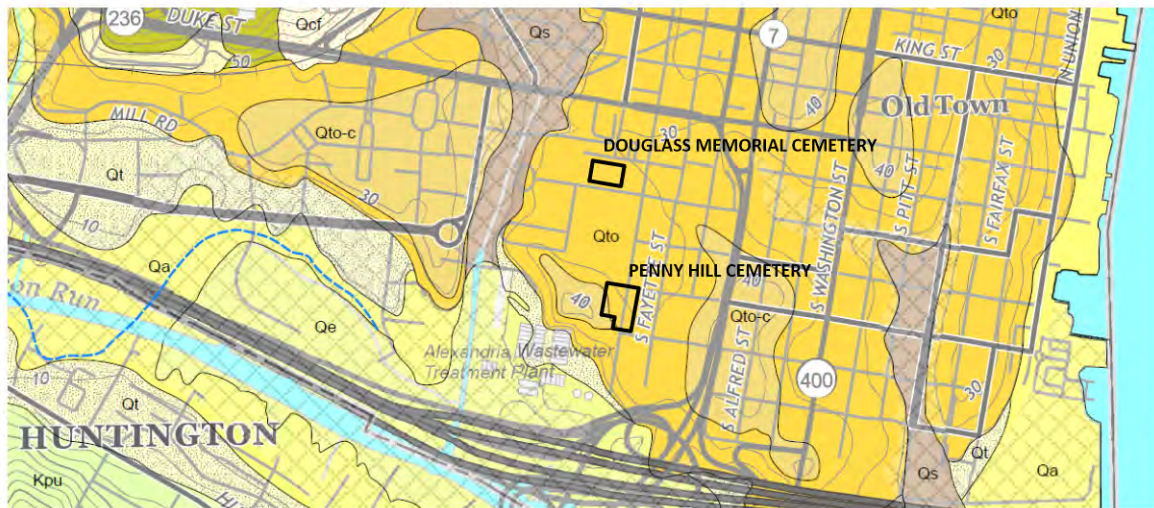


FIGURE 3
PENNY HILL CEMETERY
SURVEY AREA ON LOCAL GRID
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Qto-c
Qto

Old Town terrace (late Pleistocene)—Sand, gravel, and silty clay, with organic layers. Geotechnical borings beneath Old Town, Del Ray, and Potomac Yards show the terrace to consist of repetitive, broadly fining-up sequences, gravelly in their lower parts, grading up through sand and muddy sand into mud, and locally separated by prominent organic horizons. In the same area, the modern surface of the terrace above an elevation of about 30-35 feet is composed chiefly of stratified silt and clay (Qto-c); elsewhere, it is mostly medium to coarse sand (Qto). Total thickness approaches 125 feet beneath the Old Town waterfront. A set of terraces that is clearly graded to the main Old Town terrace, and composed mostly of gravel and sand, was mapped for several miles up Cameron Valley and its tributaries, and in the lowermost reaches of Four Mile Run. The Old Town terrace is broadly correlative with the deposits described by Litwin and others (2013) in the Hybla Valley, and was deposited between ~150,000 and 15,000 years ago, i.e., during the Wisconsin, Sangamon, and latest Illinoian stages

REFERENCE: Fleming, 2015, "Geologic Atlas of the City of Alexandria, Virginia and Vicinity—Overview," published by City of Alexandria.

FIGURE 4

SURFICIAL GEOLOGIC SETTING
DOUGLASS MEMORIAL AND PENNY HILL CEMETERIES
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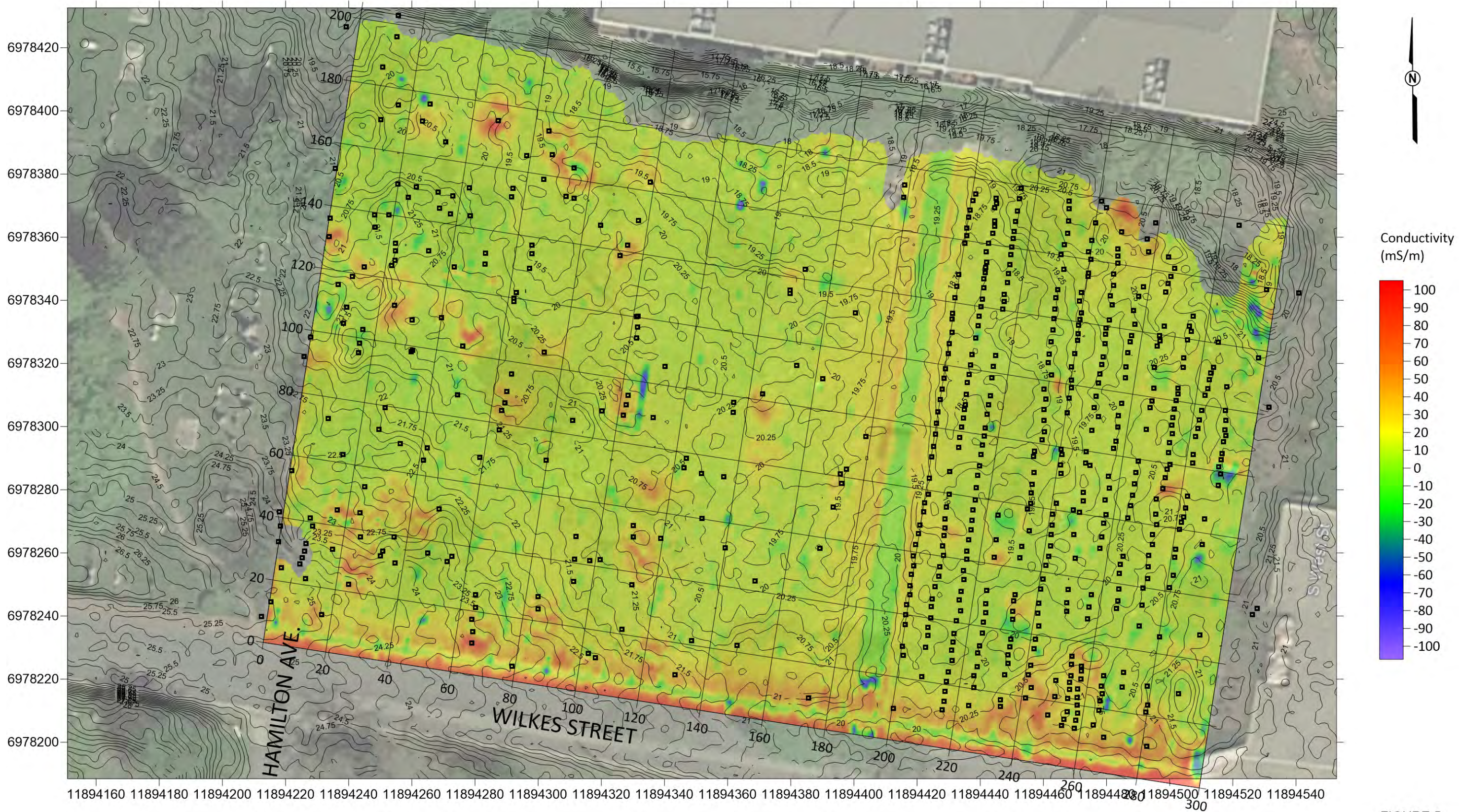


FIGURE 5

GROUND CONDUCTIVITY, ALL VALUES
DOUGLASS MEMORIAL CEMETERY
ALEXANDRIA, VIRGINIA

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LEGEND

■ Headstone

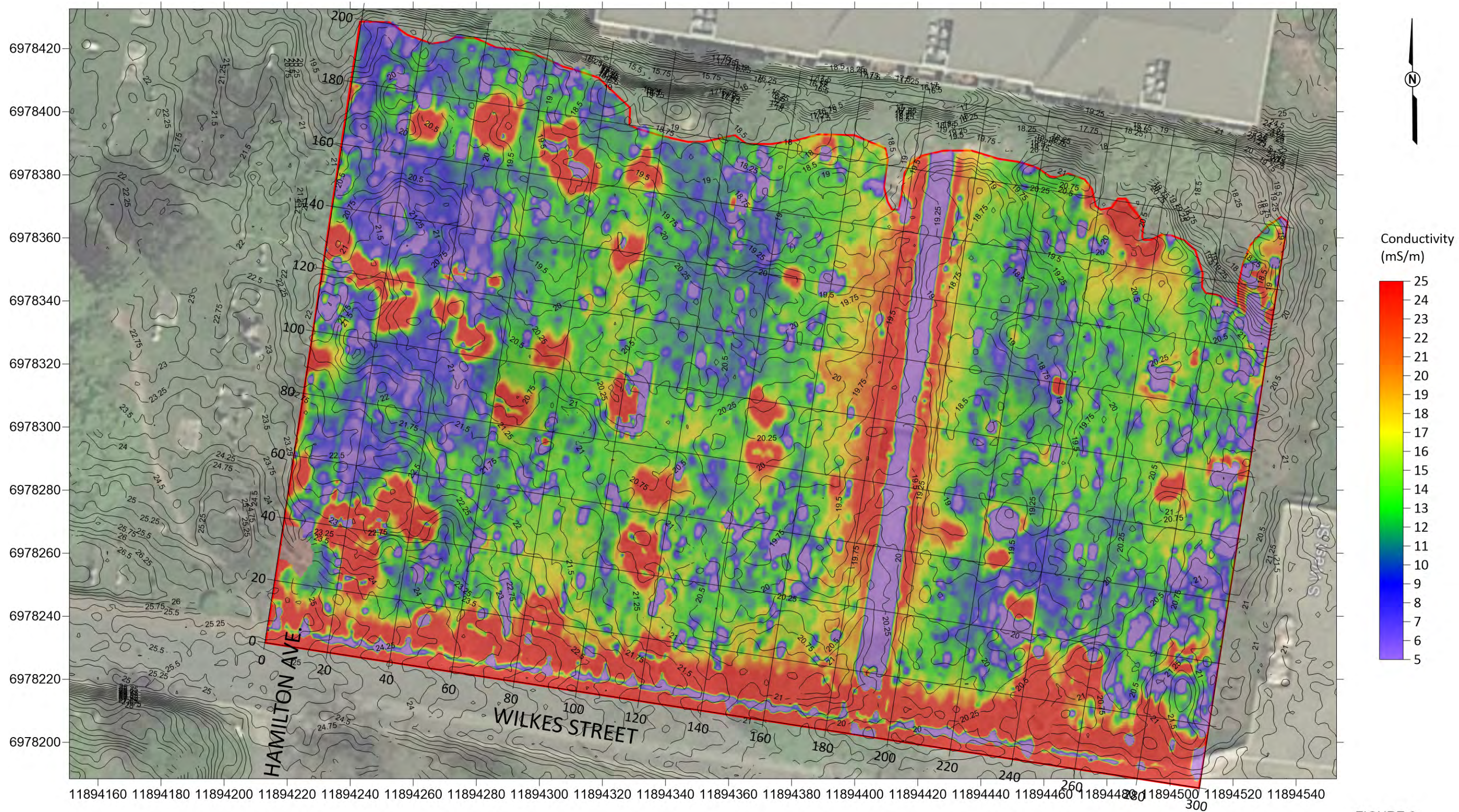
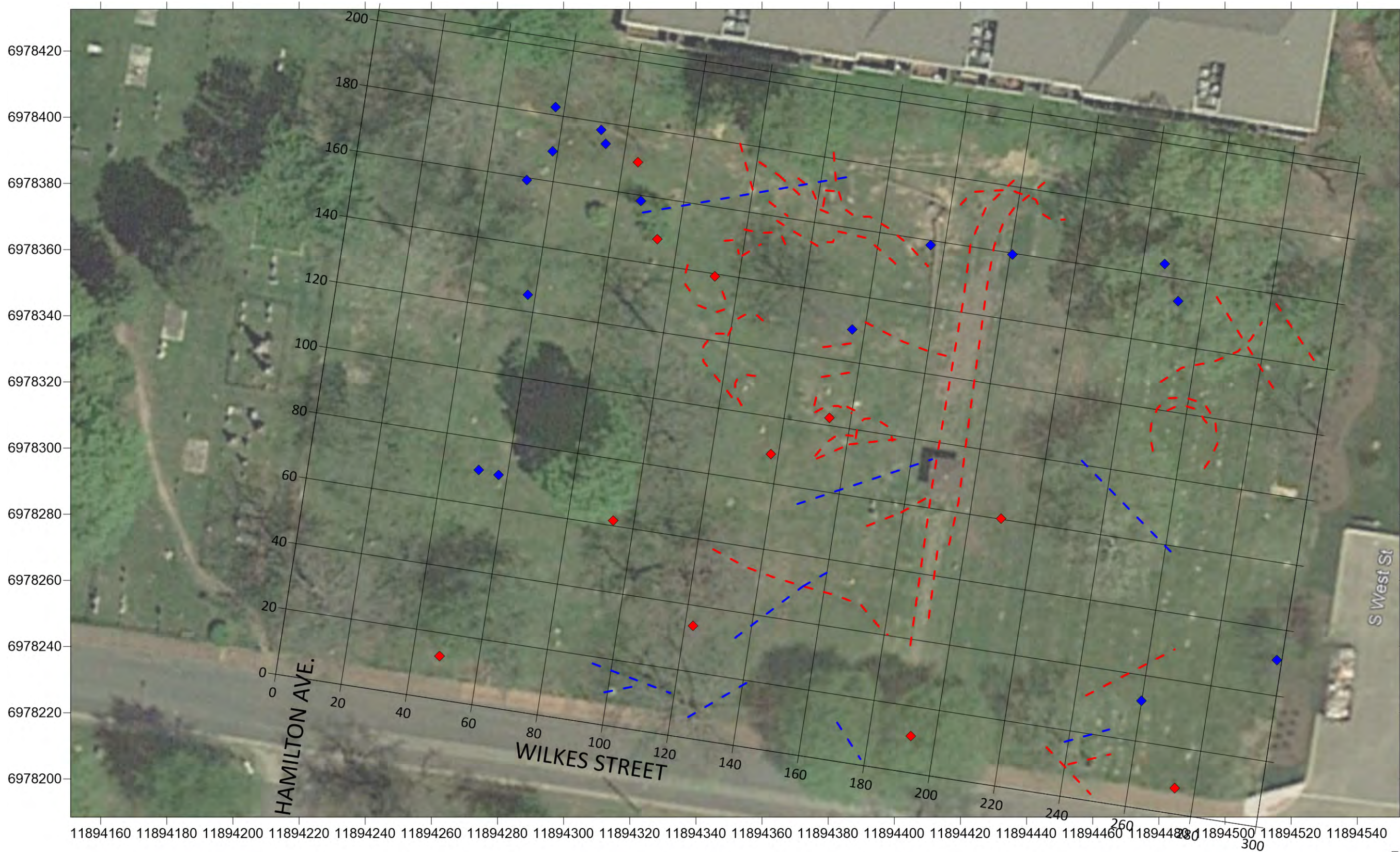


FIGURE 6

GROUND CONDUCTIVITY, TYPICAL SOIL RANGE
DOUGLASS MEMORIAL CEMETERY
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- LEGEND**
- ◆ Near-surficial discrete feature
 - ◆ Discrete feature at depth ~1 ft
 - Linear feature, near-surficial
 - Linear feature at depth of ~1 ft

FIGURE 7

SHALLOW FEATURES, NOT OBVIOUSLY GRAVE RELATED
DOUGLASS MEMORIAL CEMETERY
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