Fort Ward Park and Museum Area Management Plan

SECTION II
8. PLATES

The City of Alexandria, Virginia

October 2014

FINAL DRAFT

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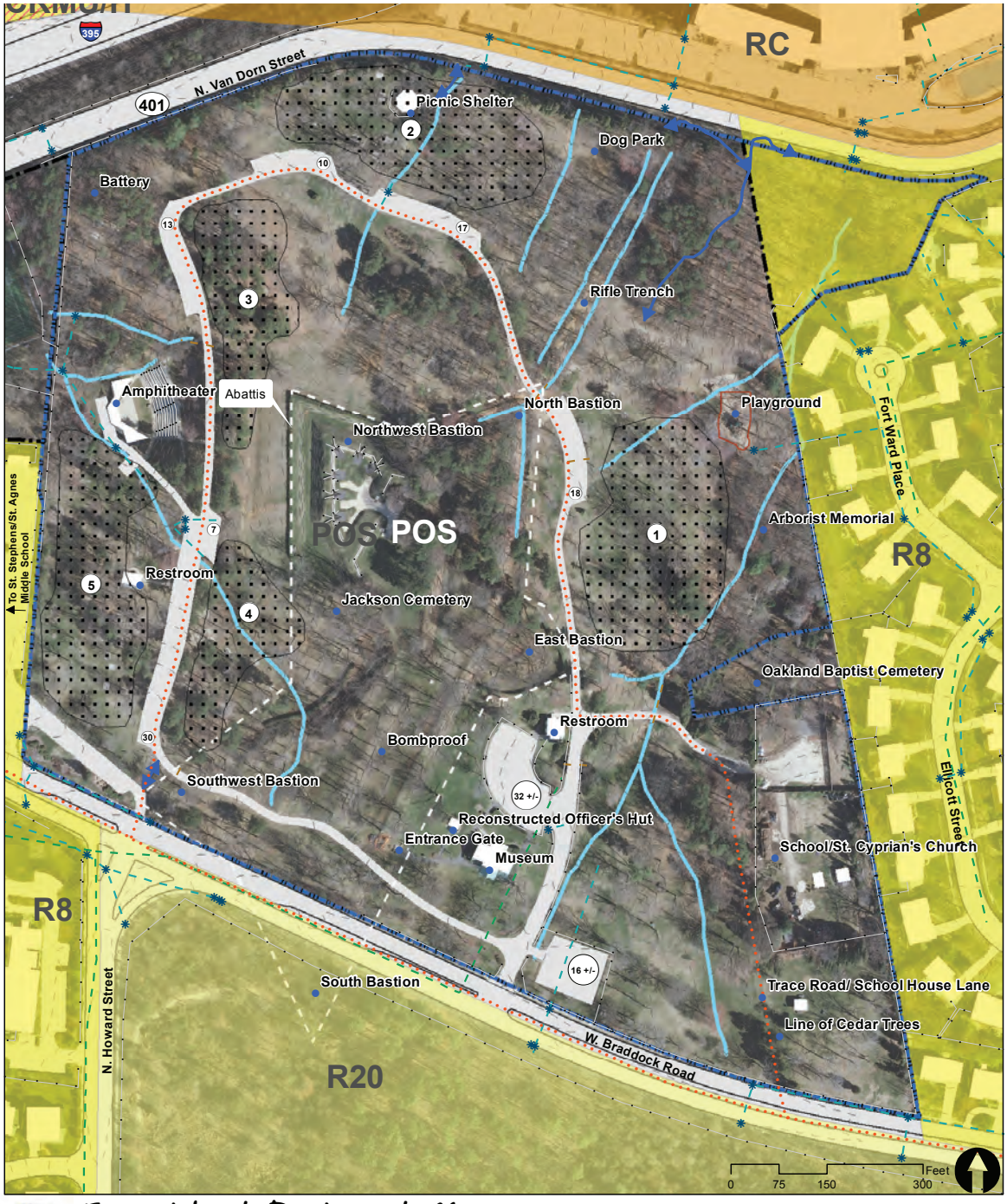

Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Existing Conditions/ Adjacent Land Use

Management Plan Boundary
Park Parcel
Road or pavement
Number of parking spaces
Parcel
Contour 2'
Park Feature
Picnic Area
Alexandria Heritage Trail
Pedestrian access &/or social trail
Play ground
Fence, Wall, Retaining Wall
Drainage lines
Culvert
Traditional Pipe
Drainage inlet
Sanitary lines
Collector
Interceptor
Drainage flowlines
Zoning
CRMU/H
R20
R8
RC

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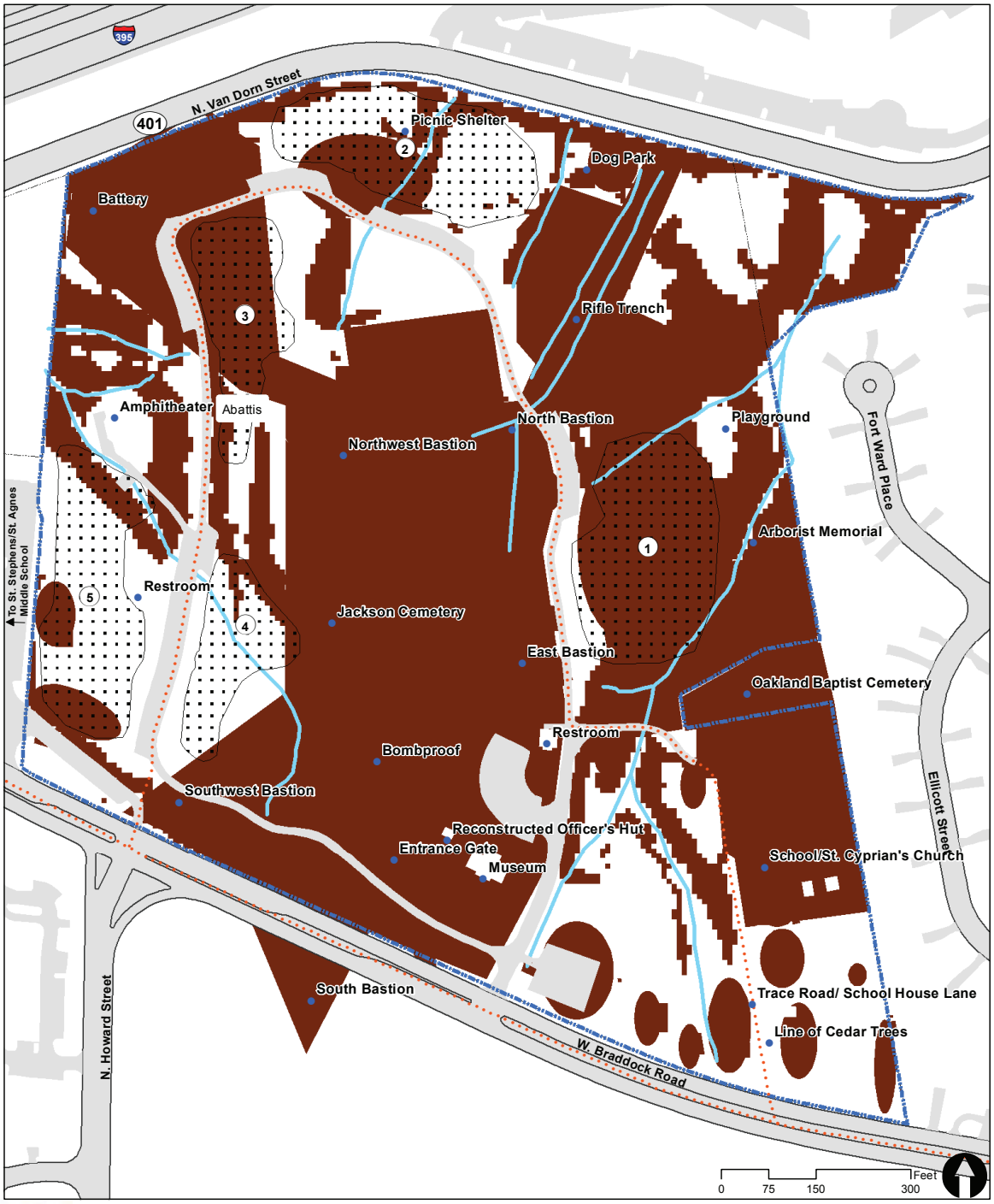
GIS Sources: City of Alexandria

Plate 1. Existing Conditions/Adjacent Land Use



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Synthesis of Archaeological Resources + ORAR* Slope Intervals

- Management Plan Boundary
- Park Parcel
- Road or pavement
- Drainage flowlines
- Park Feature
- Picnic Area
- Alexandria Heritage Trail
- Archaeological Resources + Slopes over 10%*

*Slopes greater than 1:10 (10%) are too steep for outdoor recreation access routes.

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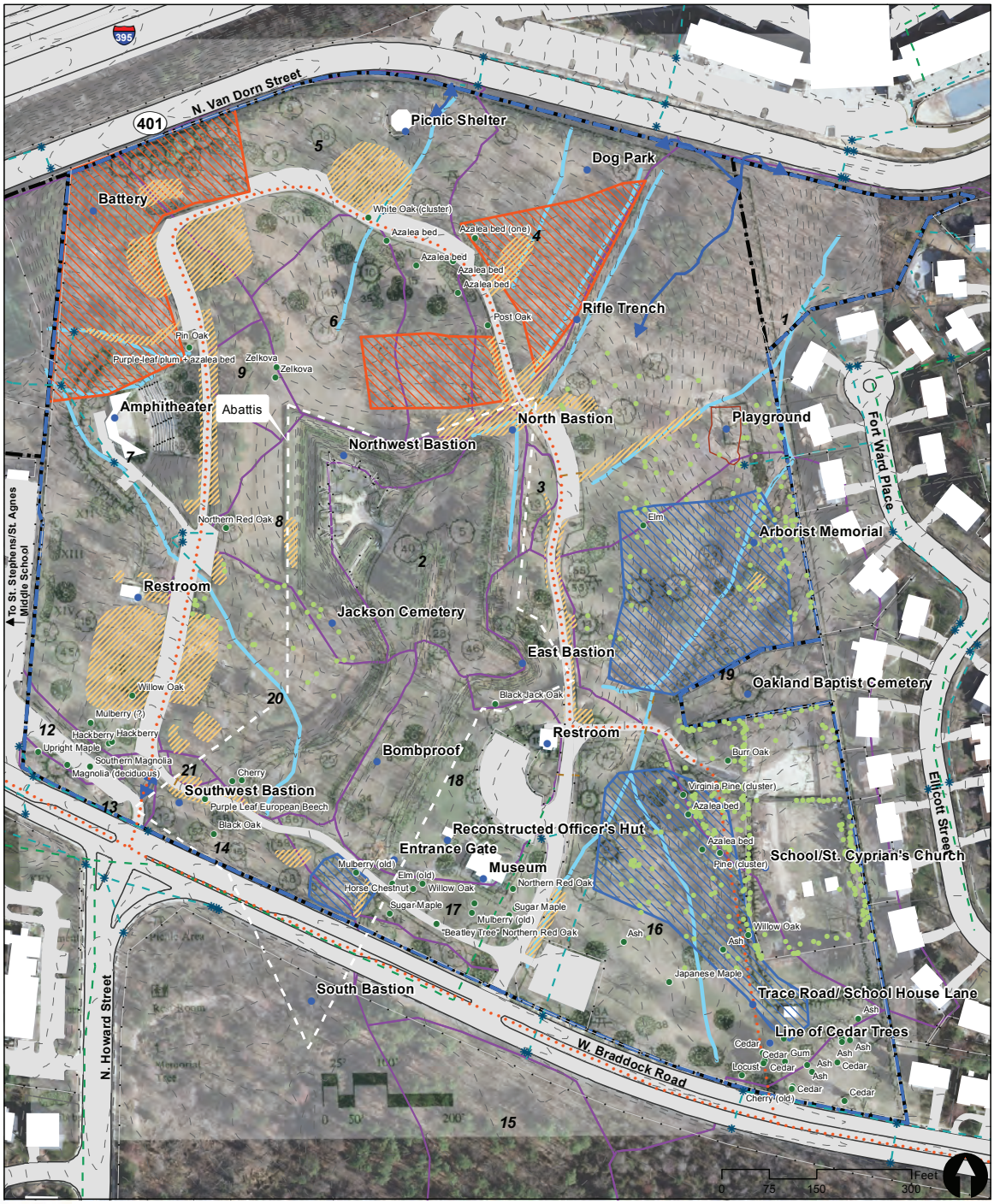
GIS Sources: City of Alexandria

Plate 2. Synthesis of Archaeological Resources + ORAR Slope Intervals



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Summary of Existing Natural Resource Conditions

- Management Plan Boundary
- Park Parcel
- Road or pavement
- Parcel
- Contour 2'
- Park Feature
- Alexandria Heritage Trail
- Pedestrian access &/or social trail
- Play ground
- Fence, Wall, Retaining Wall
- Drainage flowlines
- Drainage area
- **Sanitary lines**
- Collector
- Interceptor
- **Drainage lines**
- Culvert
- Traditional Pipe
- Drainage inlet
- Erosion and/or compacted soil**
- Woodland Glade (mowed annually in fall)*
- Meadows (mowed annually in fall)*
- **Tree Inventory**
- Tree or Azalea bed (LKLA inventory 6/2013)***
- Tree (Archeology-City of Alexandria)

NOTE: City of Alexandria Arboretum Map Brochure is overlaid on aerial photo for reference.

*Woodland glade, meadows, and management source: X
**Erosion and/or compacted soil layer was generated from a field inventory by L/KLA in June of 2013. Only those areas visible from the loop road were recorded in these data.
***Points indicate the general locations (hand-held GPS) of trees and azalea beds.

GIS Sources: City of Alexandria

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Plate 3. Summary of Existing Natural Resource Conditions

Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Existing Drainage Patterns + Watersheds

Management Plan Boundary
Park Parcel
Road or pavement
Contour 2'
Play ground
Fence, Wall, Retaining Wall
Stream centerline (approximate)*
Sanitary lines
Collector
Interceptor
Drainage lines
Culvert
Traditional Pipe
Drainage inlet
Erosion and/or compacted soil**
Management Plan Boundary

NOTES:
*Stream centerline layer was traced from the map, "Fort Ward Park - Native American Cultural Resources" from the Inventory of Historical Resources - Fort Ward Park WORKING DRAFT - 9/10/09.
**Erosion and/or compacted soil layer was generated from a field inventory by L/KLA in June of 2013.

GIS Sources: City of Alexandria, USDA

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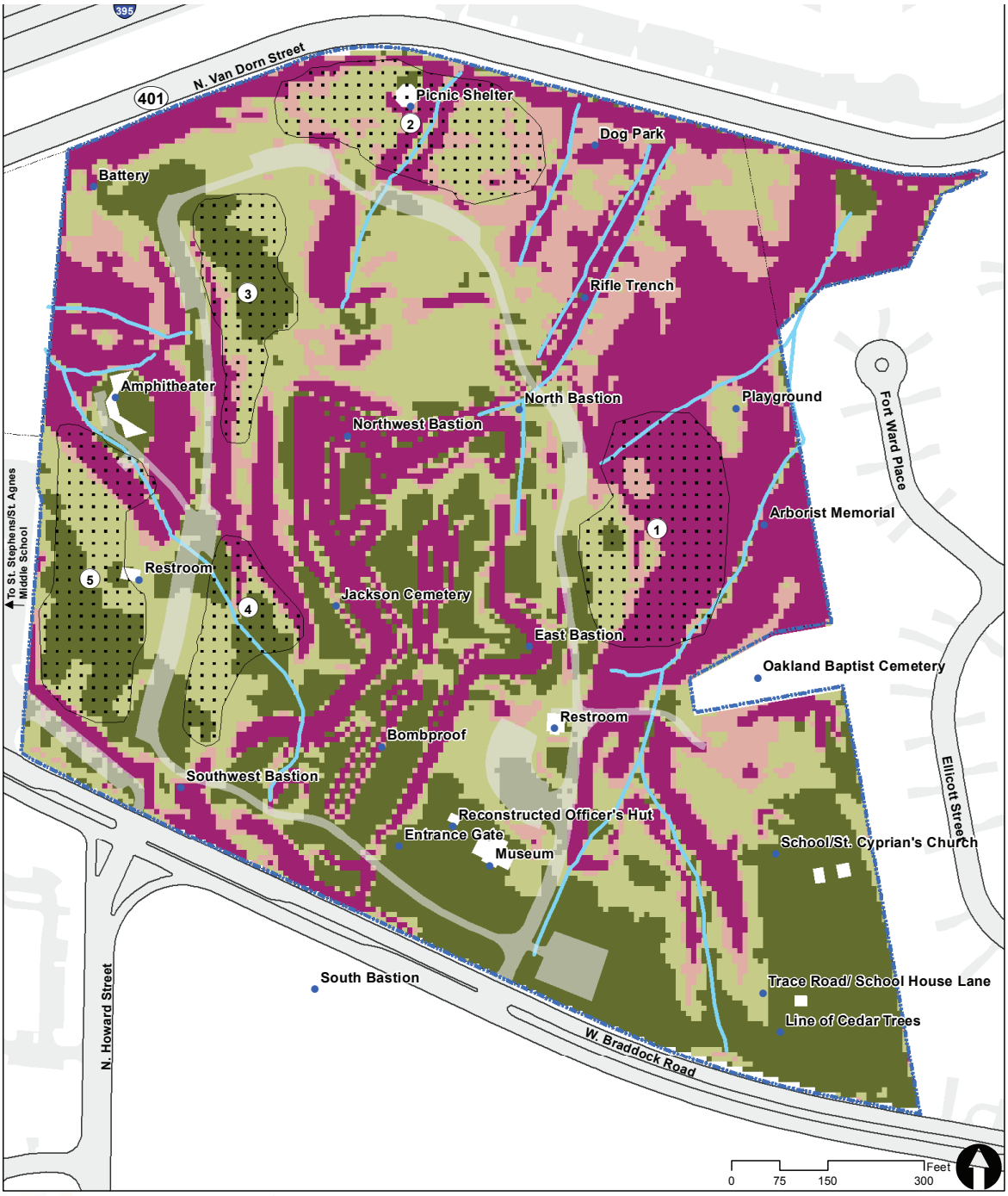
Plate 4. Existing Drainage Patterns + Watersheds



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Management Plan Boundary
Road or pavement
Drainage flowlines
Park Feature
Picnic Area
Contour 2'

Percent Slope (per ORAR guidelines)
0% - 5%
5.000000001% - 8.3%
8.300000001% - 10%
10.00000001% - 80%

ORAR* Slope Intervals

* According to the Access Board Outdoor Recreation Access Route (ORAR) Guidelines for Outdoor Developed Areas (Oct. 19, 2009): "1016.7.1 Running Slope. The running slope of any segment of an outdoor recreation access route shall not be steeper than 1:10. Where the running slope of a segment of an outdoor recreation access route is steeper than 1:20, the maximum length of the segment shall be in accordance with Table 1016.7.1, and a resting interval complying with 1016.8 shall be provided at each end of the segment."
Slope intervals shown on this map correspond with the slope guidelines for Outdoor Recreation Access Routes indicated above. Slopes steeper than 1:20 (5%) but not steeper than 1:12 (8.3%) can have a maximum segment length of 50 feet. Slopes steeper than 1:12 (8.3%) but not steeper than 1:10 (10%) can have a maximum segment length of 30 feet. Slopes greater than 1:10 (10%) are too steep for outdoor recreation access routes.

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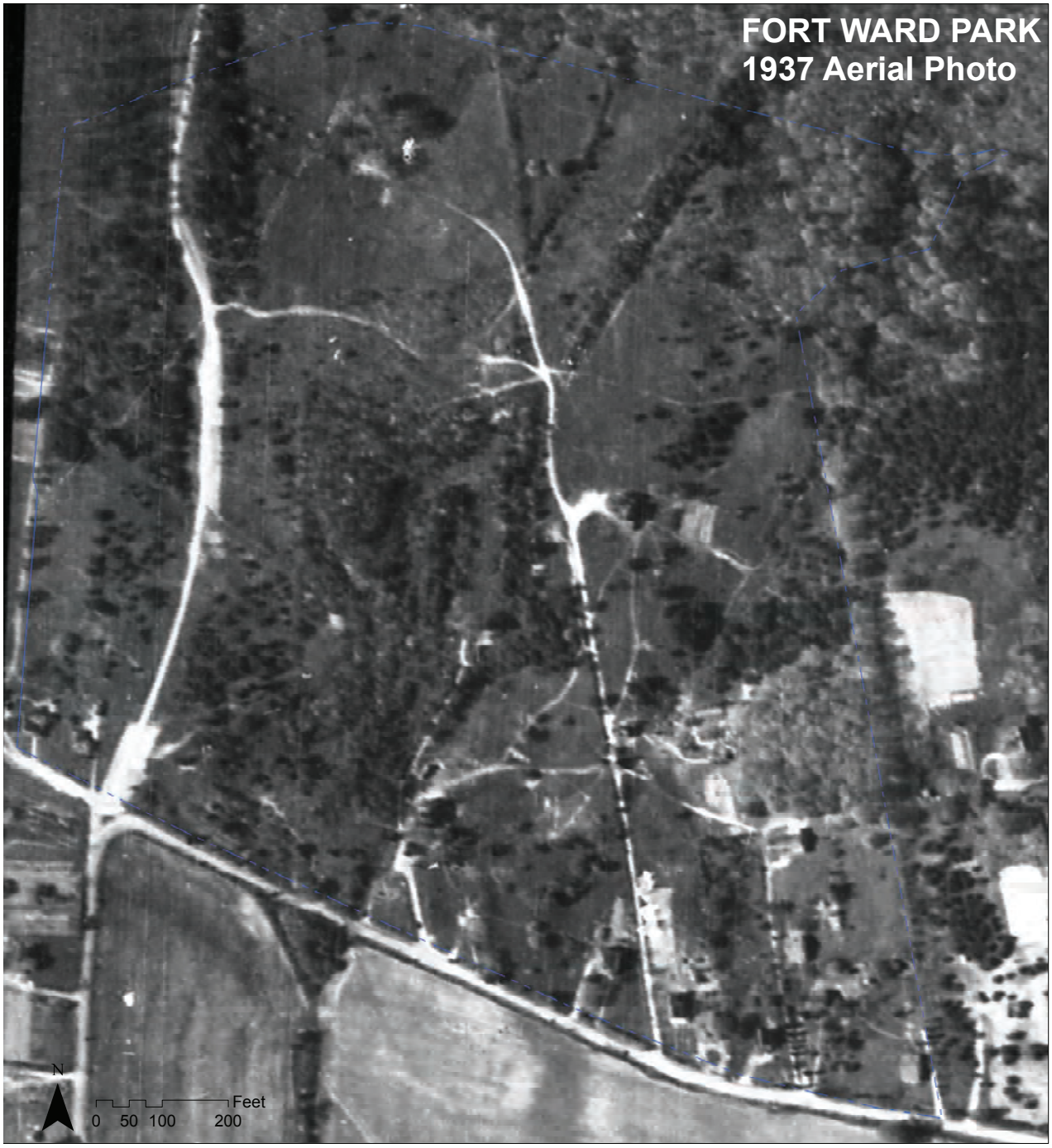
GIS Sources: City of Alexandria

Plate 5. ORAR Slope Intervals



Aerial Photo of Fort Ward Park 1937

Plate 6. Aerial Photograph 1937

Aerial Photo of Fort Ward Park 1949

Plate 7. Aerial Photograph 1949

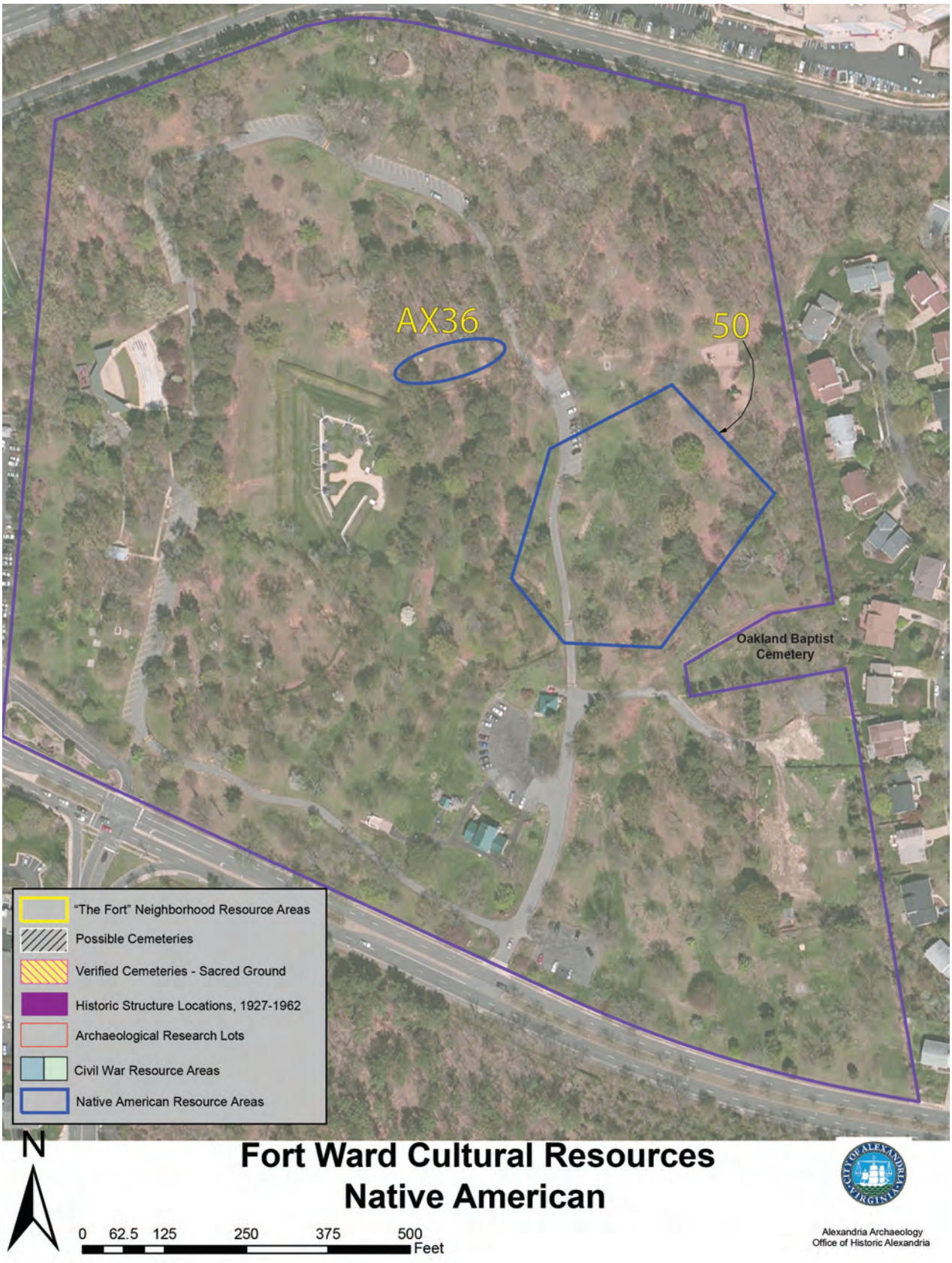


Plate 8. OHA Mapping - Fort Ward Cultural Resources - Native American

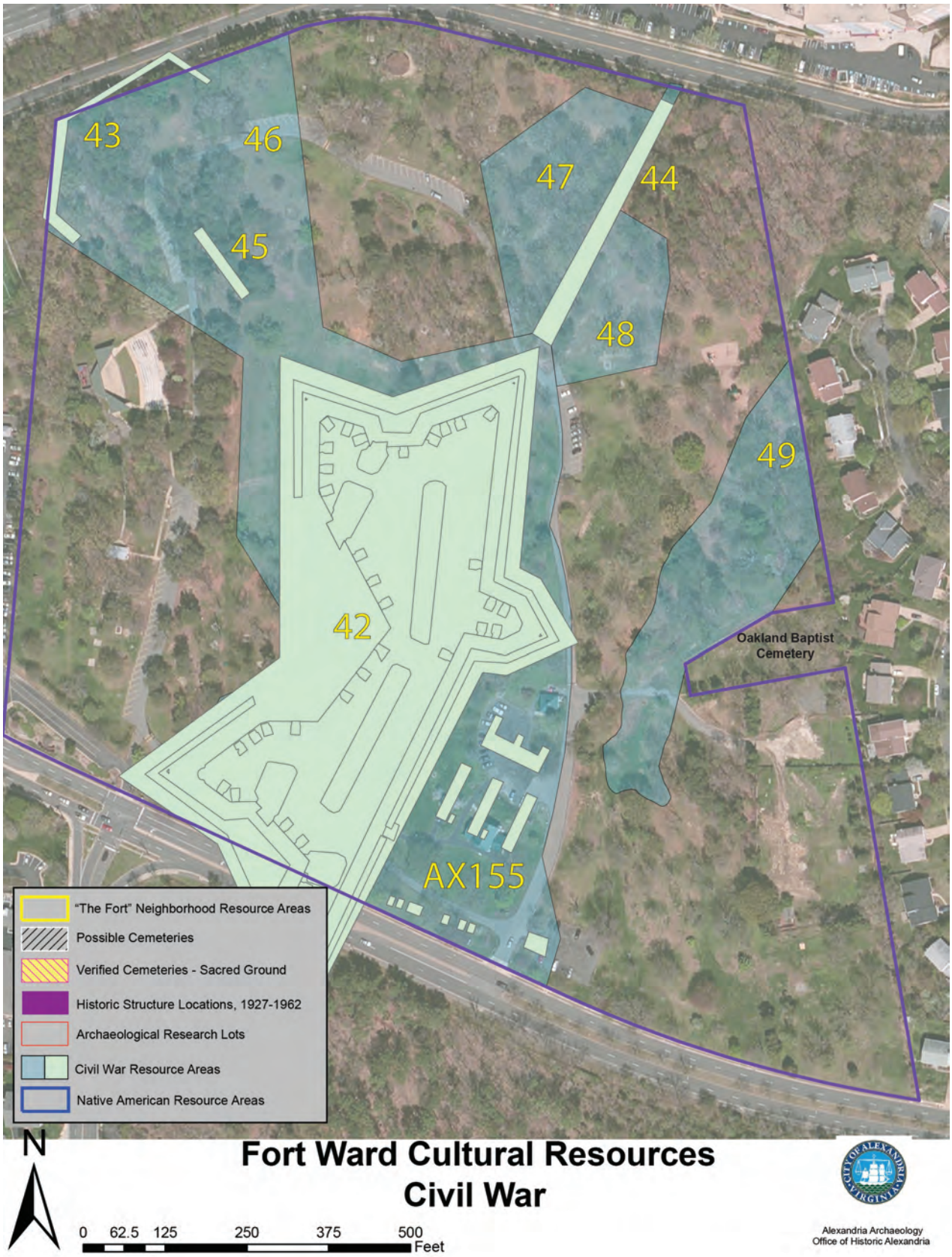


Plate 9. OHA Mapping - Fort Ward Cultural Resources - Civil War

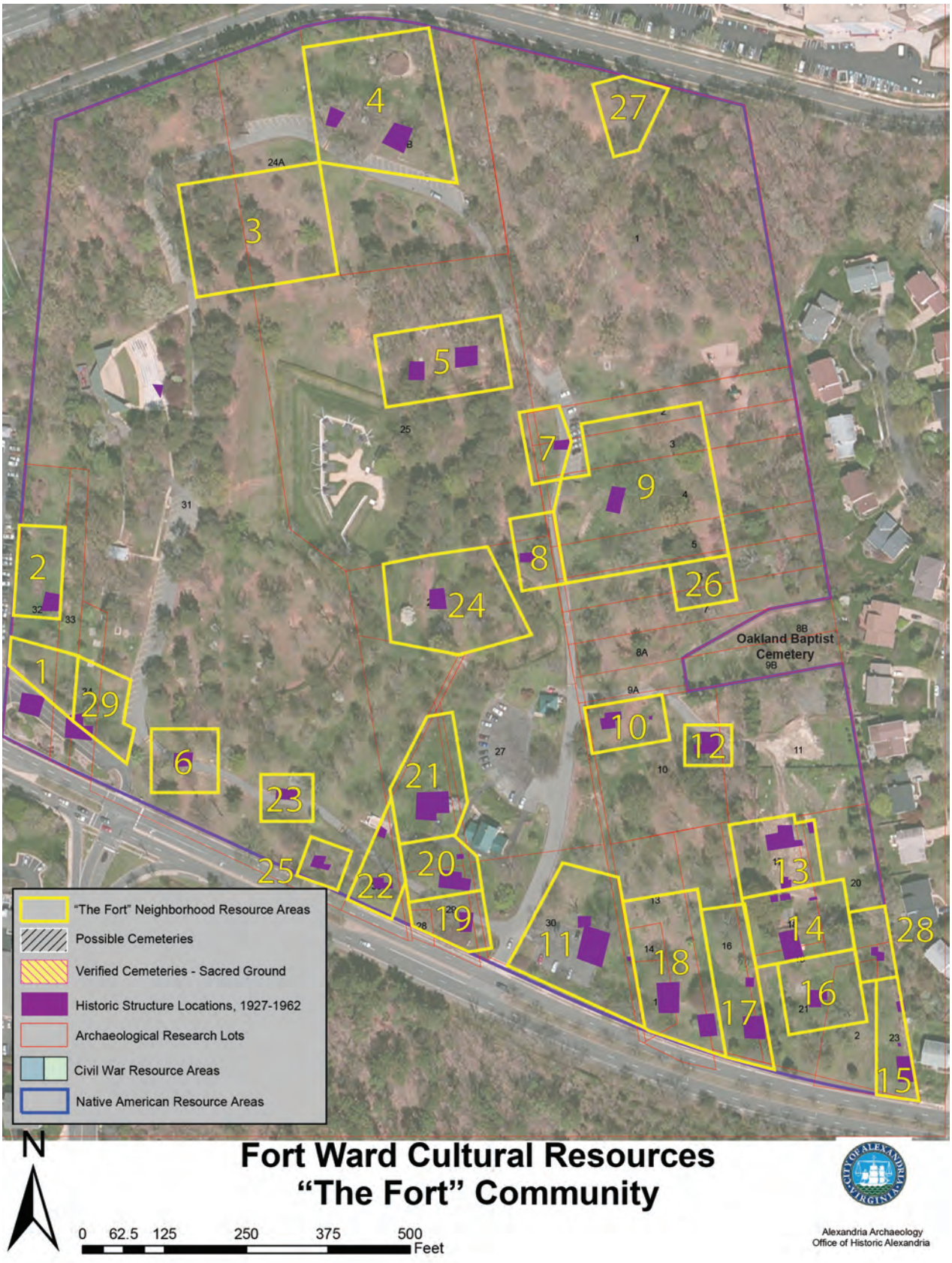


Plate 10. OHA Mapping - Fort Ward Cultural Resources - "The Fort Community"

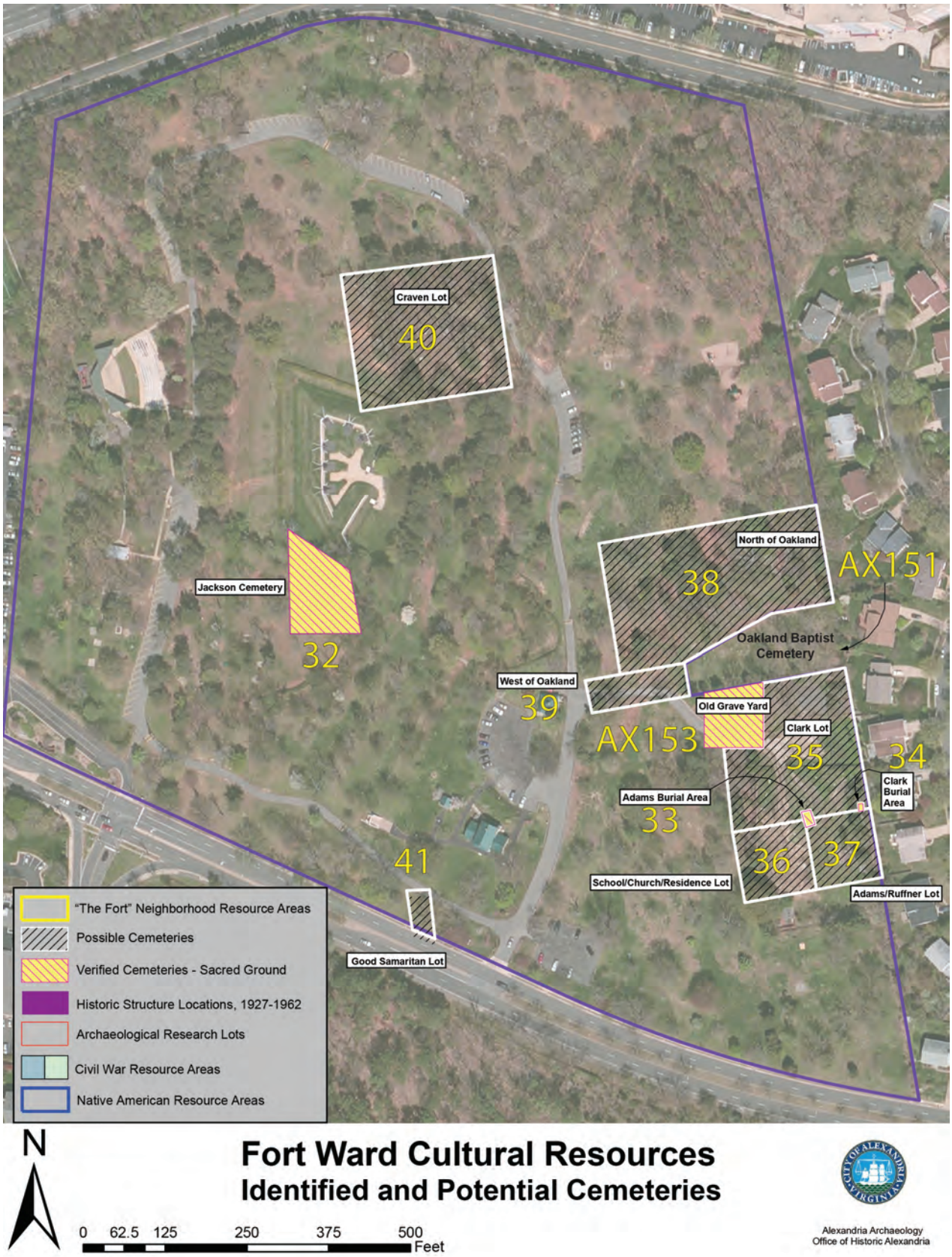


Plate 11. OHA Mapping - Fort Ward Cultural Resources - Identified and Potential Cemeteries

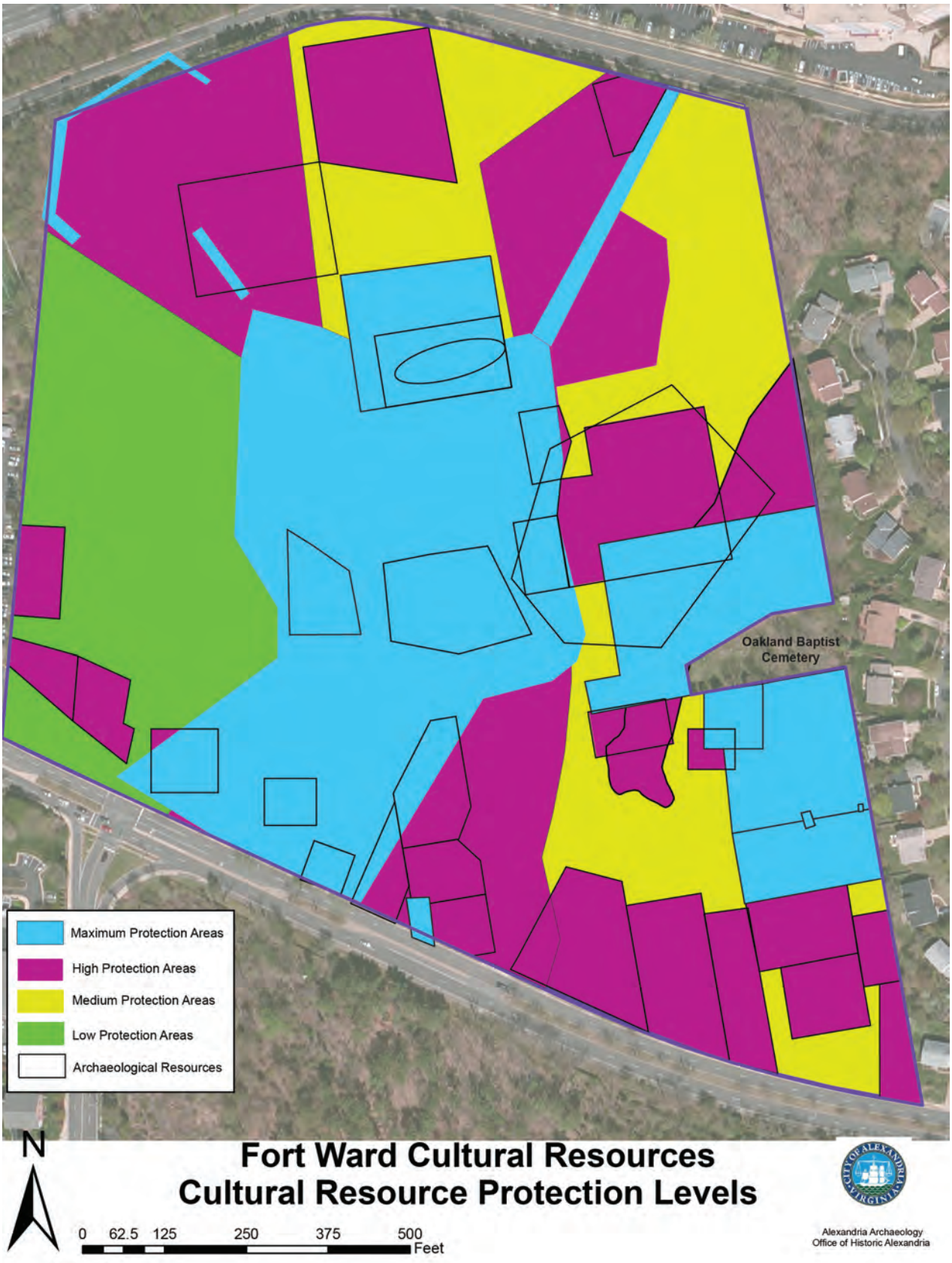
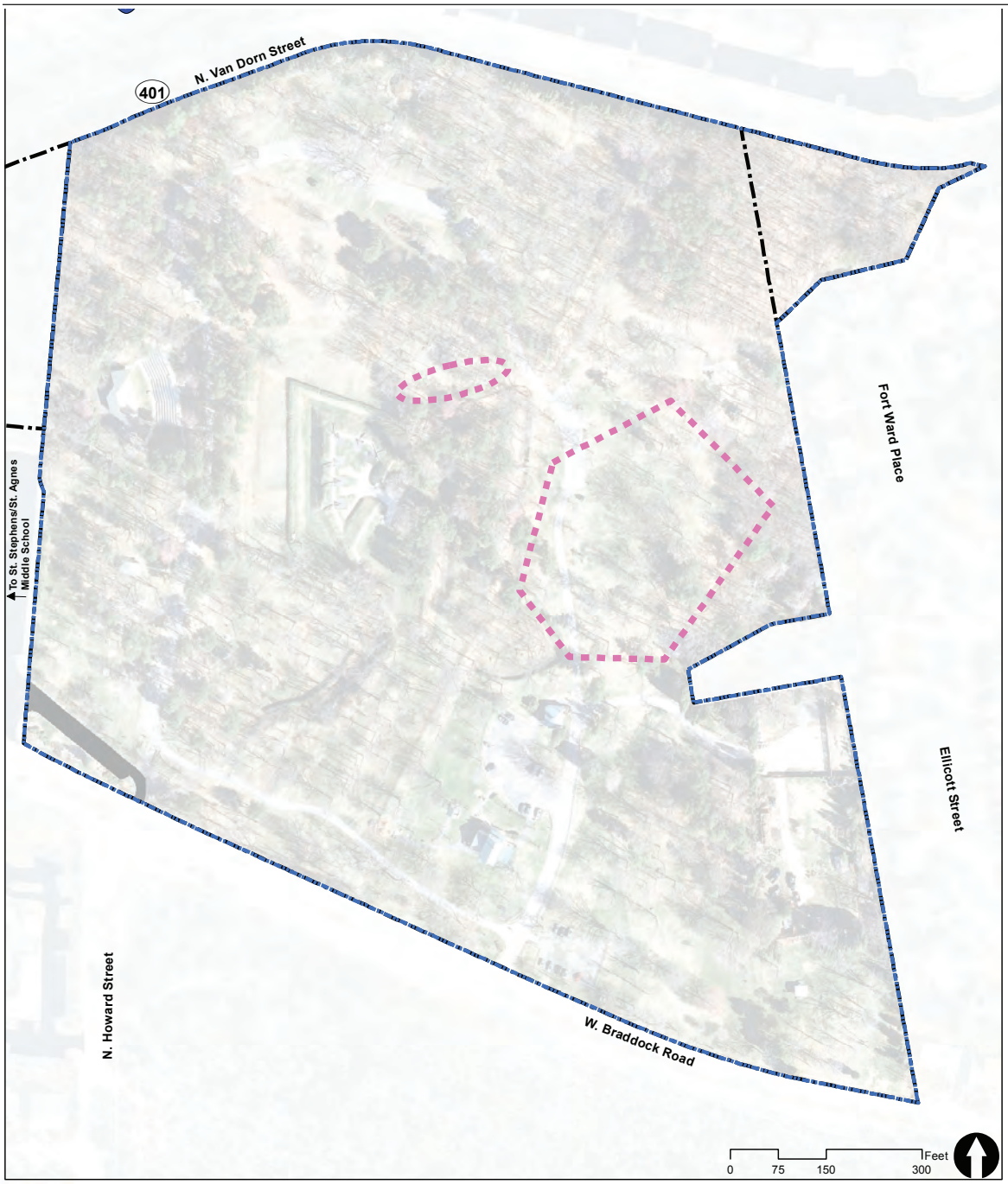


Plate 12. OHA Mapping - Fort Ward Cultural Resources - Cultural Resource Protection Levels



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Native American Resource Areas

Management Plan Boundary

Park Parcel

Native American Resource Area

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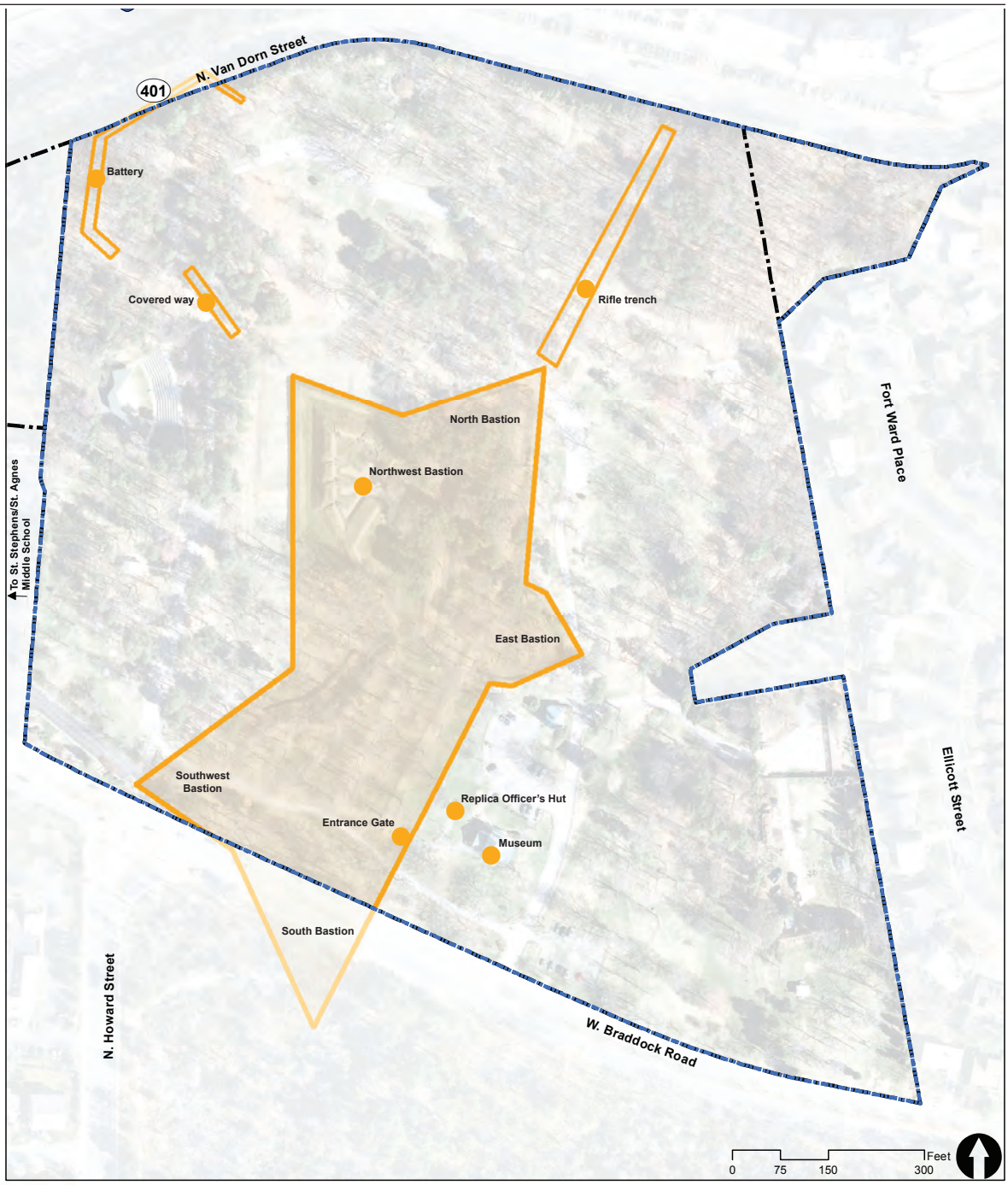
GIS Sources: City of Alexandria

Plate 13. Native American Resource Areas (drawn from OHA data)



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Civil War Features

- Management Plan Boundary
- Park Parcel
- Civil WarFeatures
- Fort earthworks and interior features
- Exterior Fort earthworks

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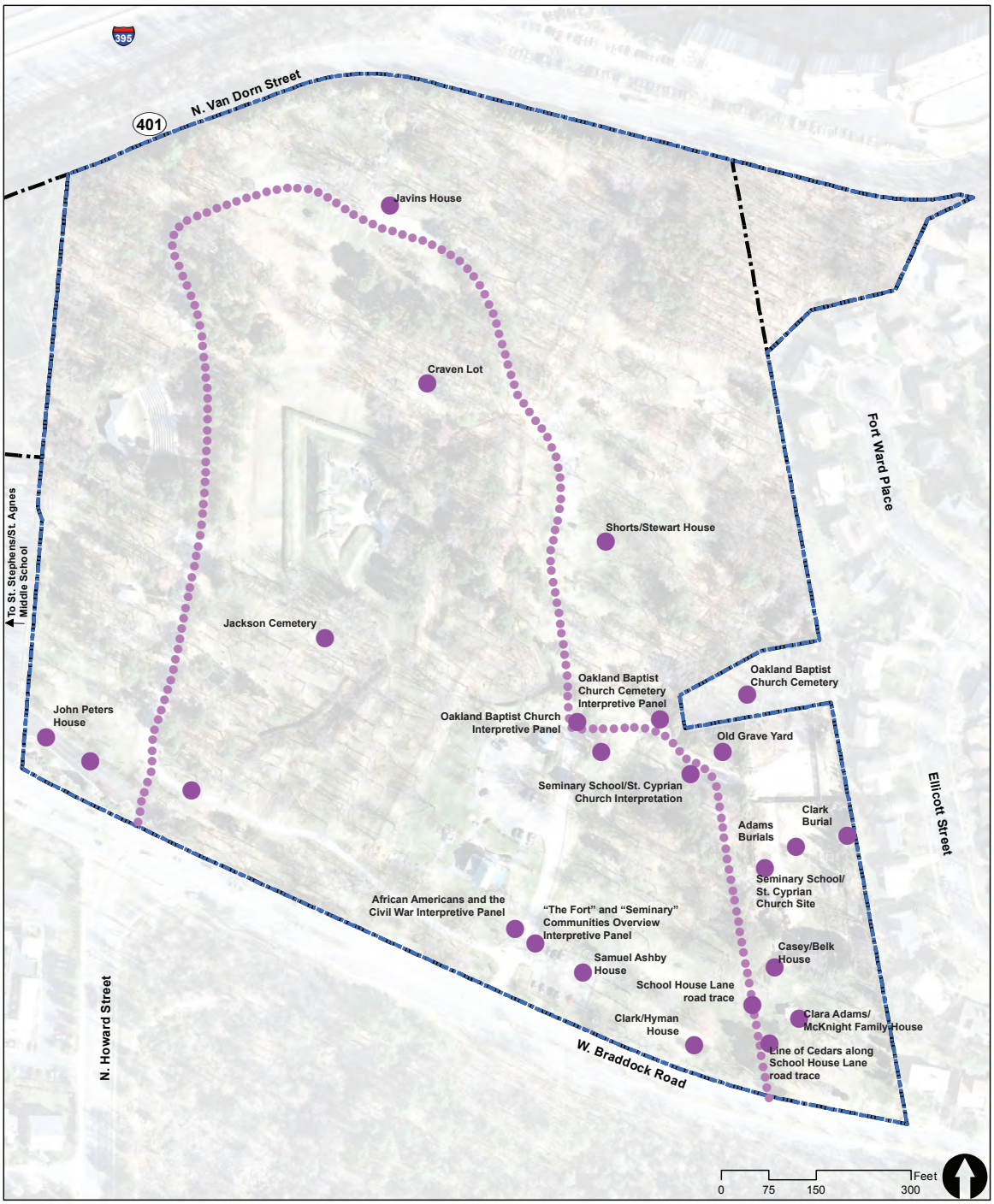
GIS Sources: City of Alexandria

Plate 14. Civil War Features (drawn from OHA data)



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Fort Community Features

- Management Plan Boundary
- Park Parcel
- The Fort Community Features
- "The Fort" Heritage Trail

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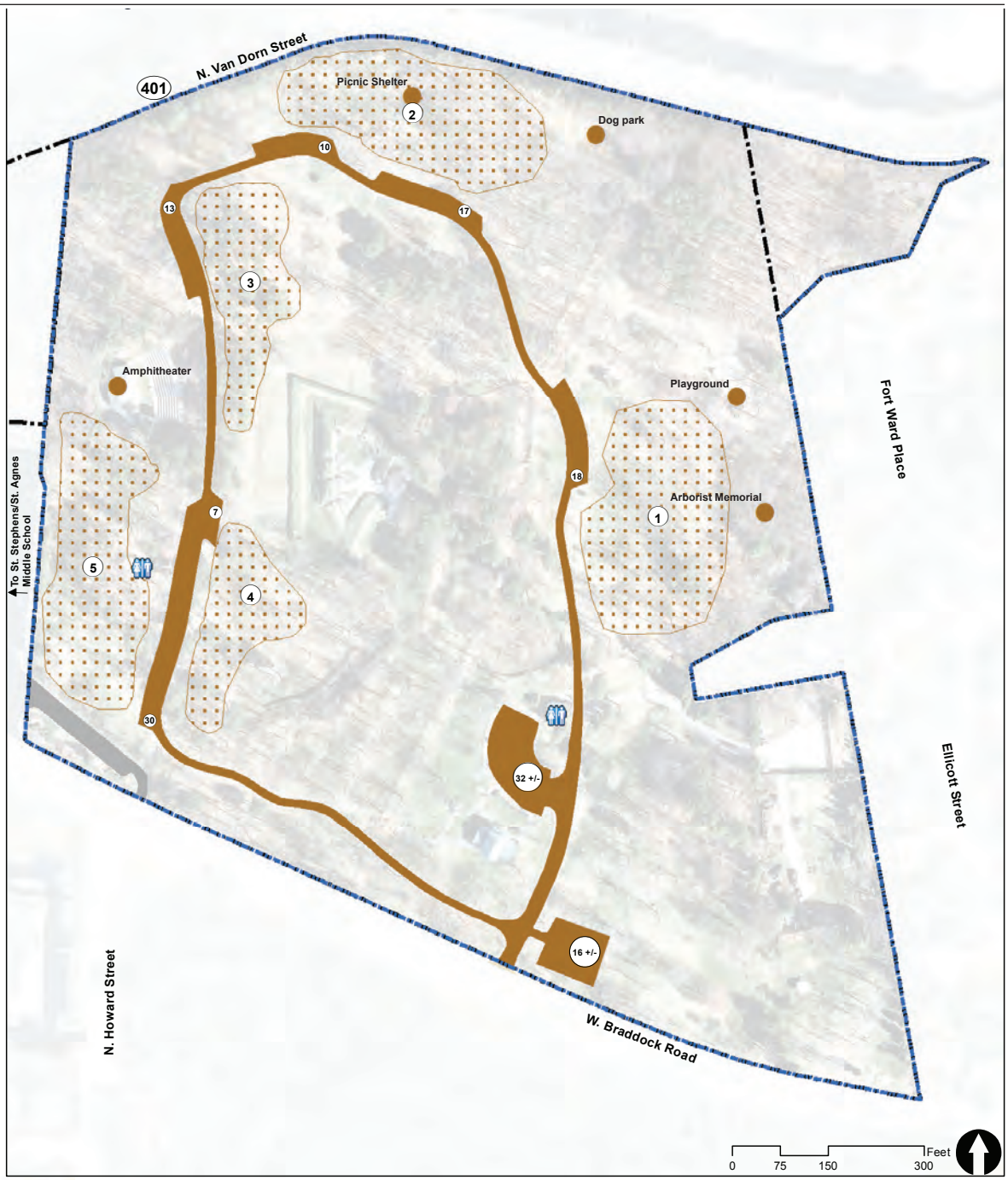
GIS Sources: City of Alexandria

Plate 15. "The Fort" Community Features (drawn from OHA data)



Fort Ward Park and Museum Area Management Plan

Recreational Features

City of Alexandria, Virginia

- Management Plan Boundary
- Park Parcel
- Park Road or Parking
- Number of parking spaces
- Recreational Feature
- Picnic Area
- Restroom

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GIS Sources: City of Alexandria

Plate 16. Recreational Features

Fort Ward Park and Museum Area Management Plan

Natural Features

City of Alexandria, Virginia

- Management Plan Boundary
- Park Parcel
- Drainage flowlines
- Contour 2'

Tree Inventory

- Tree or Azalea bed (LKLA inventory 6/2013)*
- Tree (Archeology-City of Alexandria)

- Woodland Glade (mowed annually in fall)**
- Meadows (mowed annually in fall)**

*Points indicate the general locations (hand-held GPS) of trees and azalea beds.
**Woodland glade and meadows polygons are in draft form--an update is forthcoming. Only one meadow remains as of 2013.

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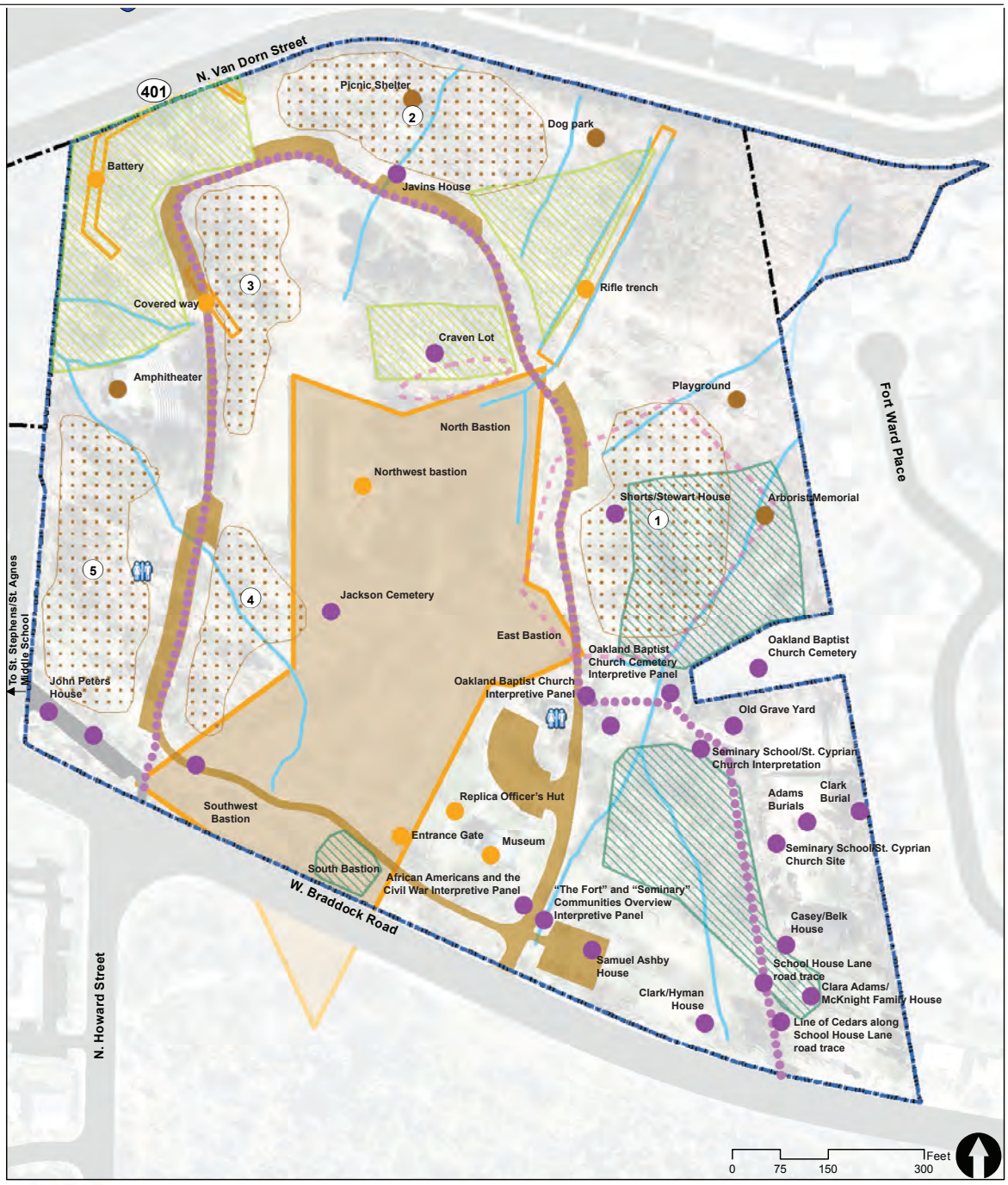
NOTE: City of Alexandria Arboretum Map Brochure is overlaid on aerial photo for reference.

GIS Sources: City of Alexandria

Plate 17. Natural Features



Fort Ward Park and Museum Area Management Plan

Composite of Features

City of Alexandria, Virginia

- Management Plan Boundary
- Park Parcel
- Park Road or Parking
- Drainage flowlines

Tree Inventory

- Tree or Azalea bed (LKLA inventory 6/2013)*
- Tree (Archeology-City of Alexandria)
- Woodland Glade (mowed annually in fall)**
- Meadows (mowed annually in fall)**

- The Fort Community Features
- "The Fort" Heritage Trail
- Civil War Features
- Fort earthworks and interior features
- Exterior Fort earthworks
- Native American Resource
- Recreational Feature
- Picnic Area
- Restroom

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*Points indicate the general locations (hand-held GPS) of trees and azalea beds.

**Woodland glade and meadows polygons are in draft form--an update is forthcoming.

GIS Sources: City of Alexandria

Plate 18. Composite of Features

Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

MOU Boundaries

Management Plan Boundary
MOU Boundary OHA responsibility*
Park Parcel
Contour 2'
Potential Soft Path

*NOTE: All other areas RPCA responsibility

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GIS Sources: City of Alexandria

Plate 19. MOU Boundaries - Proposed for 2015

Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Management Zones Land Cover Definition

- Management Plan Boundary
- Park Parcel
- Contour 2'
- Potential Soft Path
- Woodlands
- Meadows
- Irrigated turf
- Turf not irrigated
- Arborist's Memorial

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GIS Sources: City of Alexandria

Plate 20. Management Zones Land Cover Definition

Fort Ward Park and Museum Area Management Plan

Aeration

City of Alexandria, Virginia

- Management Plan Boundary
- Park Parcel
- Contour 2'
- No Aeration Area*

*NOTE: "No Aeration Areas" were identified in a sketch by Fran Bromberg 01/10/14 via email. No Aeration Areas at the battery would have to be surveyed for a more accurate location. Aeration is not allowed on the elevated areas of the fort, rifle trench, battery, nor the old grave yard, Adams burial area or Clark burial area.

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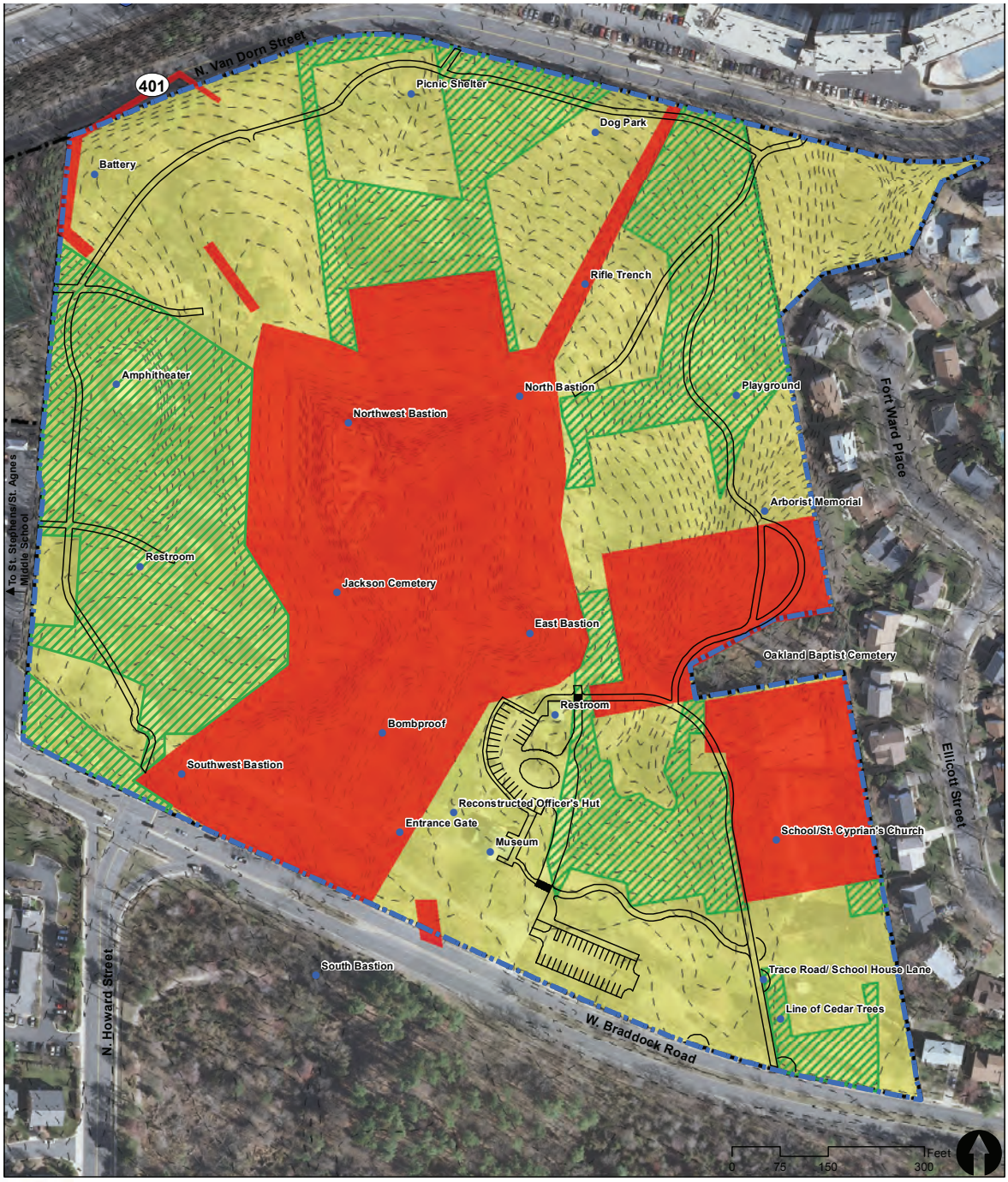
GIS Sources: City of Alexandria

Plate 21. Aeration



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Ground Disturbing Activities

*Minimal Ground Disturbing Activities source: Draft Summary - Archaeological Investigations Fort Ward Park spreadsheet, Fran Bromberg, Jan. 2013.

General Note: Areas denoted as "Minimal Ground Disturbing Activities" may contain impervious surfaces such as concrete or asphalt.

- Management Plan Boundary
- Park Parcel
- Potential Soft Path
- Minimal Ground Disturbing Activities (such as aeration, stump grinding, tree planting, and soft path construction)*
- No Ground Disturbing Activities Allowed without further review by OHA
- No Ground Disturbing Activities Allowed except for placement of formal interpretive elements with archaeological review and investigation by OHA

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GIS Sources: City of Alexandria

Plate 22. Ground Disturbing Activities

Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Leaf Litter Disposal Managment Areas

- Management Plan Boundary
- Park Parcel
- Contour 2'
- Potential Soft Path
- Area 1 - Leaf litter to remain in place
- Area 2 - Leaf litter to be vacuumed except for final fall and then mulch mowed
- Area 3 - Leaf litter to be mowed, mulched and left in place

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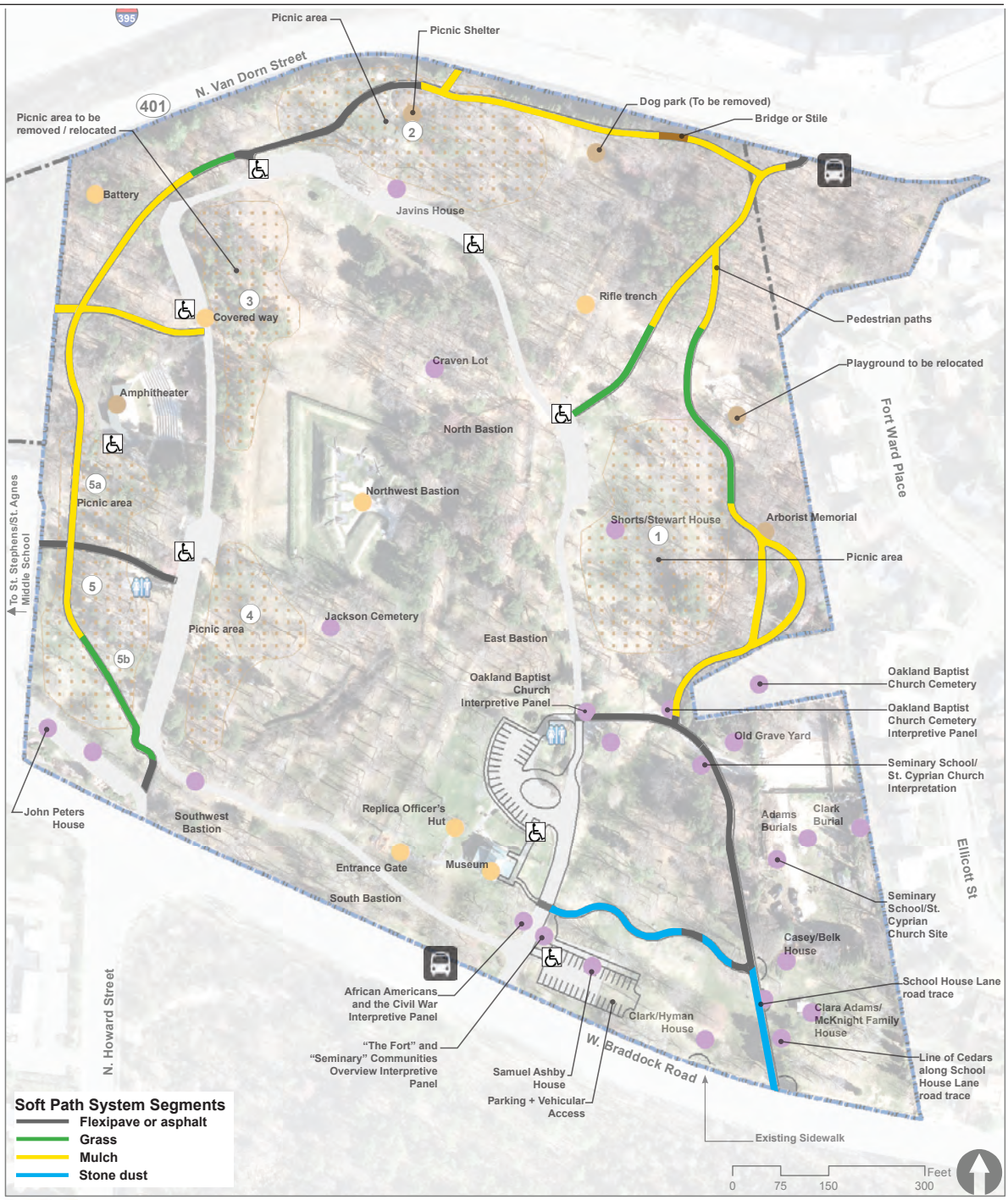
GIS Sources: City of Alexandria

Plate 23. Leaf Litter Disposal Management Areas



Fort Ward Park and Museum Area Management Plan

Soft Path System

City of Alexandria, Virginia

- Management Plan Boundary
- Park Parcel
- Park Road or Parking
- The Fort Community Features
- Civil War Features
- Recreational Feature
- Picnic Area
- Restroom

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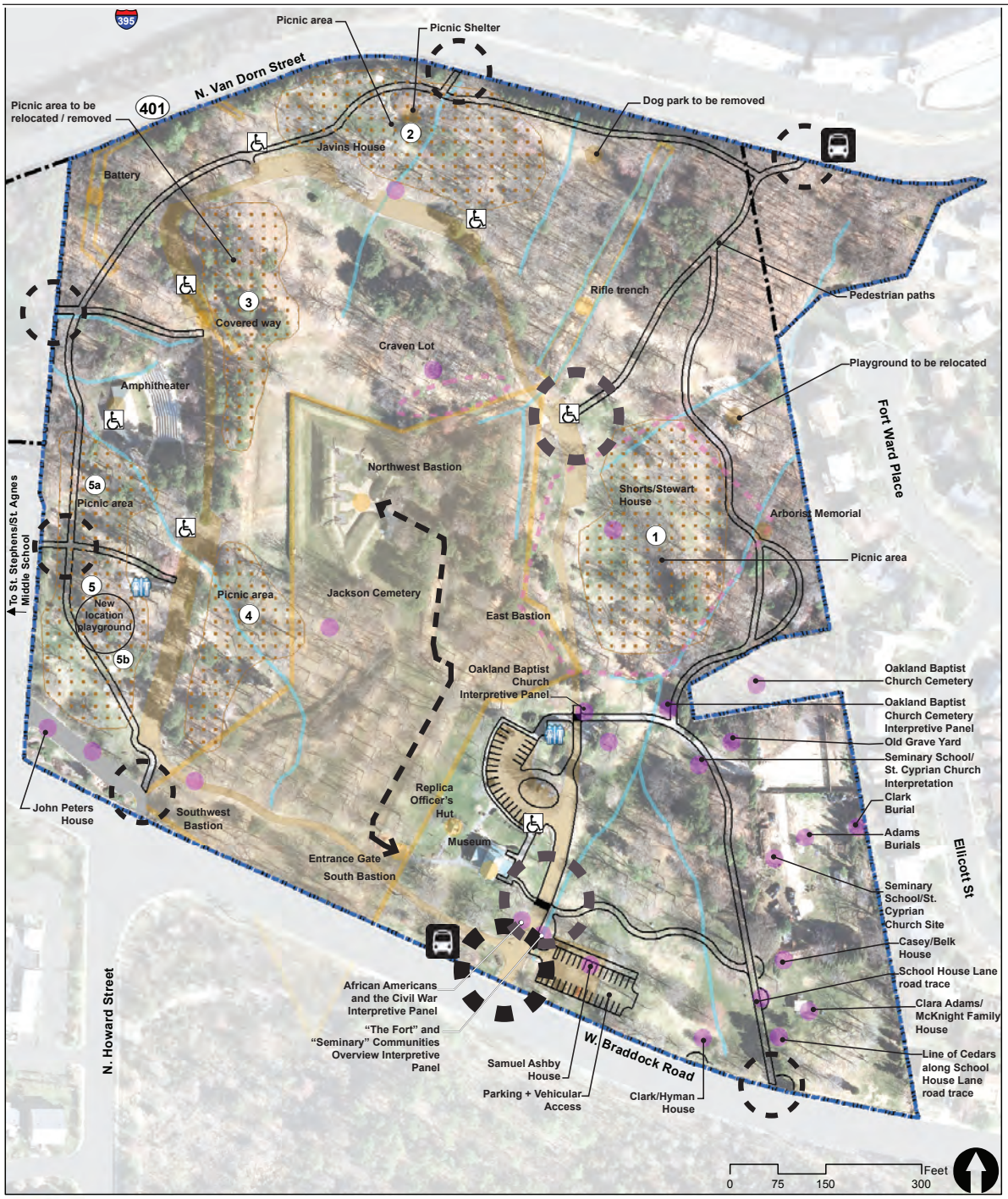
GIS Sources: City of Alexandria

Plate 24. Soft Path System



Fort Ward Park and Museum Area Management Plan

City of Alexandria, Virginia

Potential Soft Path System and Enhancement Opportunities

- Management Plan Boundary
- Park Parcel
- Park Road or Parking
- Drainage flowlines
- Native American Resource
- The Fort Community Features
- Civil War Features
- Fort earthworks and interior features
- Exterior Fort earthworks
- Recreational Feature
- Picnic Area
- Restroom
- Potential Soft Path System
- Potential park access point
- Entrance / orientation
- Planned ADA path
- Potential ADA parking

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GIS Sources: City of Alexandria

Plate 25. Potential Soft Path System and Enhancement Opportunities

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