

## Lot 6B

Lot 6B is a small (0.45-acre) wooded parcel fronting the north side of Beach Grove Road within the southeast corner of Lot 6 (see Figures 1 and 2). An intermittent drainage lies approximately 15 meters (49 feet) to its east. Lot 6B includes the mapped location of a former structure (or structures) as illustrated on the maps dating to 1873 through at least 1959 (see Figures 3, 4 and 5). Site 36LU285, a mid-nineteenth to twentieth century domestic site, is situated directly opposite Beach Grove Road; this site was investigated during GAI's previous Phase Ib and Phase II studies, and recommended Not Eligible to the NRHP. Lot 6B comprises a heavily wooded hillslope, with thick underbrush and numerous treefalls. Most notable in this wooded locality is a U-shaped formation of large pine trees that extends upslope from Beach Grove Road and likely marks the eastern, western, and northern edges of a former yard. According to project mapping provided by AREVA (see Figure 2), Lot 6B encompasses the eastern half of this yard area while the western half lies in the adjacent Lot 6 (Section 2). During fieldwork, all investigations conducted within this yard area were recorded as Lot 6B; the western portion of the yard area was designated as Lot 6, Section 2 following the completion of field investigations (see Lot 6 above).

GAI conducted close interval shovel testing (at 5-meter intervals) from the western line of pine trees eastward to the intermittent drainage, to investigate the area of the former structure. Phase Ib investigations identified an historic period archaeological site (Site 36LU302) represented by an historic artifact scatter and two features—flagstone patio and ash pit/dump. The flagstone patio (Feature 1) is located in the area defined as Lot 6, Section 2; the ash pit/dump (Feature 2) is located within Lot 6B. No remains of a structure foundation or cellar hole were identified. See Site 36LU302 description below.

## Lot 7

Lot 7 is a wooded parcel located north of Beach Grove Road (see Figure 1). The western portion of Lot 7 lies within the previously-surveyed Switchyard 2 parcel; due to slopes in excess of 15 percent no subsurface testing was conducted within this area during GAI's initial 2008 Phase Ib survey (Munford et al. 2008, Munford et al. 2010). The remainder of Lot 7 consists largely of steep hillsides, which were excluded from subsurface testing during the current study. One line of four shovel tests was excavated at the edge of an upland flat at the northern margin of this lot (see Figure 2, Photograph 7).



Shovel testing in Lot 7 exposed an A-B soil horizon sequence, consisting of a 23-cm-thick dark yellowish-brown silt loam A horizon and a yellowish-brown clay loam B horizon (see Figure 7). No cultural materials were recovered.

**Photograph 7. Lot 7: Wooded Upland Flat in Northwest Corner of Lot, Facing West**

### Lot 8

Lot 64 is a small wooded lot situated north of Beach Grove Road, directly north of its intersection with Confers Lane (see Figures 1 and 2). The entire lot is located within the area of the previously-surveyed Switchyard 2. It consists of steep slopes that were excluded from subsurface testing during GAI's 2008 initial Phase Ib survey. The area was documented with photographs (Photograph 8); no shovel testing was required.

**Photograph 8. Lot 8: Steep Wooded Hillslope Above Beach Grove Road, Facing South**



### Lot 31

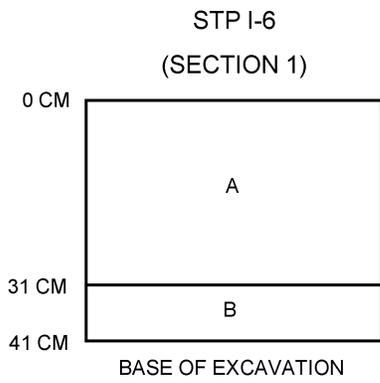
Lot 31 is a large wooded lot situated immediately north of Lot 8 and bounded by Thomas Road to the north, Lot 23 to the east (see Figure 1). The southern one-third of this parcel consists of a steep hillslope, while the northern two-thirds occupy a relatively flat wooded upland. A northwest/southeast oriented transmission corridor cuts through the eastern portion of this parcel. The southeastern portion of Lot 31 was included in the previously-surveyed Switchyard 2 area and the relatively level portions were shovel testing during the 2008 initial Phase Ib investigations; no cultural resources were identified during this prior testing.

The remaining moderate to high potential portions of Lot 31 were subject to 15-meter interval shovel testing as part of the current supplemental Phase Ib survey. Two test sections were defined within this lot: Section 1 to the west of the transmission line (Photograph 9), and the smaller Section 2 to its east (see Figure 2). A residence is located in the northeast corner of Section 2. This residential property occupies a steep slope and has been disturbed by landscaping activities; accordingly, this property was excluded from shovel testing. GAI excavated 274 shovel tests within Lot 31 (217 STPs in Section 1 and 57 STPs in Section 2). Shovel test profiles typically consisted of an A-B soil horizon sequence including an approximately 29-31-cm-thick brown silt loam A horizon and a yellowish-brown sandy clay loam to silt loam B horizon (Figure 8). Shovel testing produced no cultural materials.

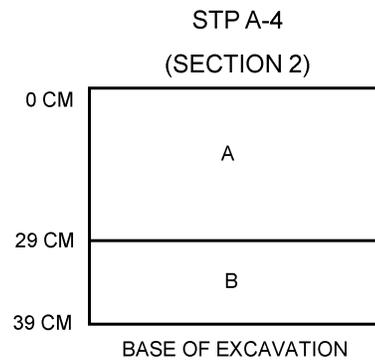
**Photograph 9. Lot 31, Section 1: Wooded Upland Flat, Facing East**



LOT 31

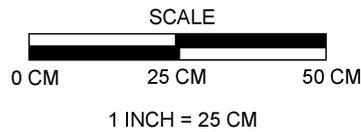


A – BROWN (10YR 4/3) SILT LOAM  
B – YELLOWISH BROWN (10YR 5/6) SANDY CLAY LOAM



A – BROWN (10YR 4/3) SILT LOAM  
B – YELLOWISH BROWN (10YR 5/6) SILT LOAM

FIGURE 8. LOT 31,  
REPRESENTATIVE SHOVEL TEST PROFILES (STPs I-6 AND A-4)



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### Lot 23

Lot 23 is located in the northeast corner of the Northern Section and is bounded by Lot 31 to the west and Lot 0 to the south (see Figures 1 and 2). The northern two-thirds of this lot occupy a wooded upland flat located within the previously-surveyed Switchyard 2 parcel. Shovel testing was conducted of this area during initial Phase Ib investigations in 2008. No cultural resources were recovered during this prior testing.

The southern one-third of Lot 23 consists of a steeply sloping hillside that was excluded from subsurface testing (Photograph 10). This lot was documented with photographs; no shovel testing was required.



***Photograph 10. Lot 23: Steep Wooded Hillside, Facing Northeast***

### Lot 0

Lot 0 is located north of Beach Grove Road, opposite the existing SSES facility, at the eastern edge of the project area's Northern Section (see Figures 1 and 2). The western edge of this lot, consisting of an existing northwest/southeast trending transmission line corridor, was included within the previously-surveyed Switchyard 2 parcel; the remainder of Lot 0 comprises a steeply sloping hillside that was excluded from subsurface testing (Photograph 11). In addition to transmission line disturbances, a narrow cut and fill area was documented along the edge of Beach Grove Road with this lot. This area was documented with photographs; no shovel testing was required.



***Photograph 11. Lot 0: Transmission Corridor on Steep Hillside North of Beach Grove Road, Facing West***

### Western Section (Lots 3 and 41)

The Western Section of the Second Supplemental Phase Ib APE includes two lots, situated west of North Market, opposite the previously-surveyed BBNPP West Alternative.

### Lot 3

Lot 3, the northernmost parcel within the Western Section, is located on an upland flat bordered by North Market Street to the west, previously-surveyed Lot 4 to the north, and Lot 41 to the south (see Figure 1). A residential property lies within the eastern portion of this lot, along North Market Street.

Phase Ib investigations defined two testing sections (Sections 1 and 2) within Lot 3, separated by a narrow grassy slope that was excluded from subsurface testing (see Figure 2). Section 1, located in the higher-elevation western half of Lot 3, consists of a fallow field vegetated in high grass and bounded by trees; a patch of trees also occurs in the center of this section (Photograph 12). Section 2 represents the residential property in the eastern portion of Lot 3 (Photograph 13). This property includes a house and garage, in the southeast corner, and a shed, in the west central portion. Vegetation consists of a lawn adjacent to the house and low grass throughout the remainder of the section. A wetland is delineated in the northeastern corner of the Section 2.

Shovel testing was conducted at 15-meter intervals throughout Sections 1 and 2. Shovel test profiles typically consisted of an A or Ap horizon above a B horizon. As described for STP C-3 (Section 1) and STP G-8 (Section 2), the A/Ap horizon was a 28-33 cm-thick brown silt loam while the B horizon was a yellowish-brown clay loam to silt loam (Figure 9). Shovel testing identified one prehistoric isolated find (IF 28) in Section 2. IF 28 consists of one flake fragment made from Shriver/Helderberg chert and recovered from STP G8 (A horizon), in the northwest portion of Section 2. Radial shovel tests excavated at 5-meter intervals around STP G-8 yielded no additional artifacts.

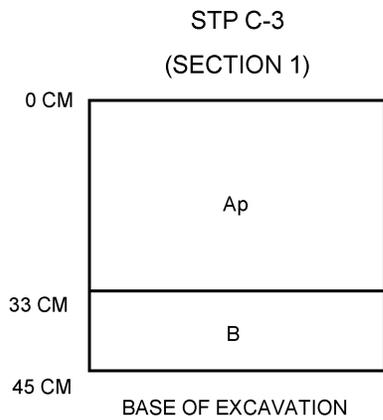


***Photograph 12. Lot 3, Section 1: Fallow Field, Facing South***

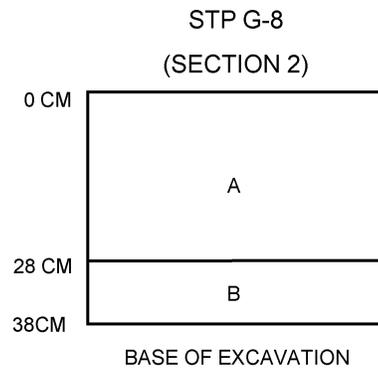


***Photograph 13. Lot 3, Section 2: Open Grassy Field with Shed and Residence in Background, North Market Street to Left, Facing Southeast***

LOT 3

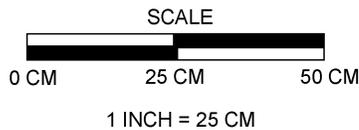


Ap - BROWN (10YR 4/3) SILT LOAM  
B - YELLOWISH BROWN (10YR 5/6) CLAY LOAM



A - BROWN (10YR 4/3) SILT LOAM  
B - YELLOWISH BROWN (10YR 5/6) SILT LOAM

FIGURE 9. LOT 3,  
REPRESENTATIVE SHOVEL TEST PROFILES (STPs C-3 AND G-8)



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## Lot 41

Lot 41, the southern of the two parcels comprising the Western Section, occupies a broad upland flat north of Walker Run, bounded in general by North Market Street to the south and west and Lot 3 to the north (see Figures 1 and 2). A man-made pond is situated to its southwest. The large majority of this lot consists of a cultivated field. A farmstead, the Michaels Farm (155063/GAI-25) (Photograph 14), recorded during GAI's previous architectural survey, lies within the southeast corner of Lot 41, inside a sharp right-angle bend in North Market Street. This property has been determined Not Eligible for listing in the NRHP (PHMC/BHP review letter, March 17, 2010) (see Appendix B). A wooded wetland is delineated in the southwest corner of the parcel, adjacent to the pond. Walker Run cuts through the southwestern tip of Lot 41 to empty into the pond.



***Photograph 14. Lot 41, Section 2:  
Michaels Farm from North Market Street,  
Facing Southwest***

GAI defined two testing areas within Lot 41—Section 1, the cultivated field, and Section 2, the farmyard. Section 1 was investigated by pedestrian survey along transects spaced at 5-meter interval (Photograph 15). Judgmental shovel tests ( $n=12$ ) were excavated in scattered localities within the field to evaluate soil profiles. Shovel testing in Section 1 exposed an Ap-B soil horizon sequence. As described for judgmental STP J-2, soils consist of an approximately 31-cm-thick dark yellowish-brown silt loam Ap horizon and a yellowish-brown silty clay B horizon (Figure 10).



***Photograph 15. Lot 41, Section 1: View of  
Cultivated Field from Edge of North  
Market Street, showing Michaels Farm in  
Distance, Facing Southwest***

Phase Ib survey of Section 2 consisted of systematic shovel testing at 15-meter intervals throughout the farmyard (Photograph 16). Twenty-one STPs were excavated within this section. Shovel testing in Section 1 revealed an A-B horizon soil sequence. As documented for STP D-1, the typical soil profile in Section 2 consisted of a 26-cm-thick dark yellowish-brown silt loam A horizon and a yellowish-brown silty clay B horizon (see Figure 10).

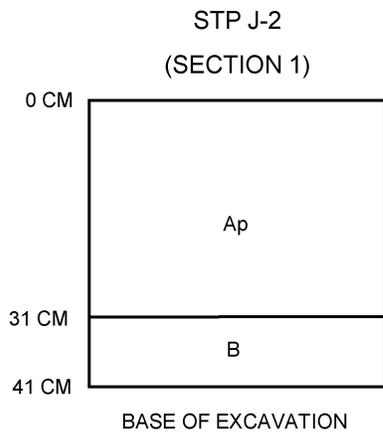


***Photograph 16. Lot 41, Section 2:  
Michaels Farm, showing Lawn,  
Residence in Background and  
Outbuilding to Left, Facing East***

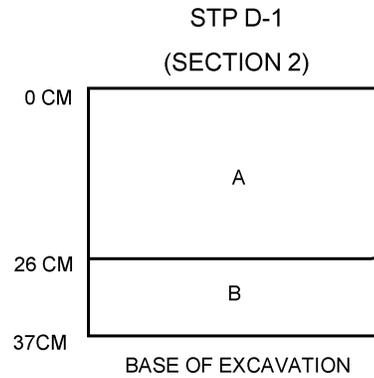
Phase Ib investigations in Lot 41 identified one prehistoric archaeological site (Site 36LU301), represented by a low-density prehistoric lithic scatter, located across the southern portion of the field (Section 1) and extending into the northern edge of the farmyard (Section 2). Site 36LU301 is described below.

A scatter of non-site historic artifacts ( $n=31$ ), representing field scatter and yard debris associated with cultivation and occupation of the property were recovered the ground surface and in one shovel test (STP E1—A horizon) near the northern boundary of the farmyard. These artifacts consist of primarily of kitchen-related ceramics (plain whiteware, handpainted whiteware, redware and stoneware) and bottle/container glass as well as electric insulators, window glass and a piece of chain link (see Appendix D).

LOT 41

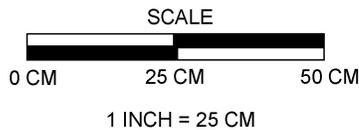


Ap – DARK YELLOWISH BROWN (10YR 4/4) SILT LOAM  
B – YELLOWISH BROWN (10YR 5/6) SILTY CLAY



A – DARK YELLOWISH BROWN (10YR 4/4) SILT LOAM  
B – YELLOWISH BROWN (10YR 5/6) SILTY CLAY

FIGURE 10. LOT 41,  
REPRESENTATIVE SHOVEL TEST PROFILES (STPs J-2 AND D-1)



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## Lot 93D

Lot 93D consists of a narrow linear parcel located on a wooded upland south of the existing SSES facility (see Figures 1 and 2). It lies immediately east of a transmission corridor (designated Area 6 and Lot 93F) that was examined during previous Phase Ib investigations. US Route 11 cuts through the southern portion of Lot 93D. The lot skirts a residential property that borders the north edge of this roadway. The entire area of Lot 93D was considered to have a moderate to high archaeological potential. Supplemental Phase Ib survey in this locality consisted of systematic shovel testing. GAI defined two testing localities within Lot 93D: Section 1, located north of US Route 11 and Section 2, situated to the south of the road.

Section 1 is bounded to the east and north by a low stone wall for its entire length (Photograph 17). Shovel test profiles and shallow furrows observed on the ground surface suggest that this locality has been previously cultivated. GAI excavated 445 15-meter interval shovel tests in this section. The typical STP profile, as described for STP O-4, consisted of a 28-cm-thick dark yellowish-brown silt loam A horizon above a yellowish-brown silty clay B horizon (Figure 11). Shovel testing in Section yielded not cultural materials.



**Photograph 17. Lot 93D, Section 1: Overview of Woodland, Facing North**

Section 2 is a wooded parcel located south of US Route 11 and behind a series of residential properties bordering the roadway (Photograph 18). A field lies to its east and a steep slope to its south. This locality is relatively level, with a slight slope towards its southern edge. Disturbances associated with the existing transmission corridor and ATV trails were observed primarily in the northwestern corner. GAI excavated 251 shovel tests within Section 2. As recorded for STP G-4, shovel test profiles generally consisted of an approximately 34-cm-thick dark yellowish-brown silt loam A horizon and a yellowish-brown silt clay B horizon (see Figure 11). In areas of disturbance (e.g., STP D-1) the A horizon has been removed and the profile consists of a CA-B soil horizon

sequence. Of the 251 STPs excavated, one positive shovel test (STP C4) located in the northwest corner, produced two historic artifacts from the A horizon. These artifacts include one window glass fragment and one piece of chain link. They were concluded to represent yard scatter associated with the adjacent residential property. They do not represent an historic period archaeological site.



**Photograph 18. Lot 93D, Section 2: Shovel Testing in Woodland, Facing West**