

New Philadelphia
Excavation Unit Summary Forms

Block 9 Lot 5

William A. White, III
Richard Fairley, Kathryn Fay, and Janel Vasallo

Excavation Unit 1 (N10, E10)

Archaeologists excavated Excavation Unit 1, the first test unit on Block 9, Lot 5. All levels were excavated in 0.5 ft arbitrary levels. Level A1 is the sod layer composed of plow zone grasses and is a 10 YR 3/2 (very dark grayish brown) silty loam. Average opening elevations of this level are 762.4128 ft above median sea level (amsl) with an average closing elevation of 761.9670 ft amsl. The artifacts exhibit evidence of plowing (chipped earthenware sherds, broken brick, and small sherds of glass). Archaeologists collected a representative sample of brick and mortar in Levels A1 and uncovered numerous sherds of glass and ceramic, nails, and bone.

We found quite a lot of artifacts- mostly brick pieces, mortar pieces, nails, glass pieces and some small pieces of ceramic.

- Kathryn Fay [NSF-REU student]

Level A2 has an average opening elevation of 761.9670 ft amsl and an average closing elevation of 761.5955 ft amsl and is 10 YR 3/2 (very dark grayish brown) clayey silt. Comparatively high concentrations of domestic artifacts are present in Level A2 including numerous ceramic sherds, buttons, eggshells, buckles, bones, flat and vessel glass, and nails.

The temperature by the end of the day reached the high 70's with a lot of wind.

- Richard Fairley [NSF-REU student]

Level B1, average opening elevation of 761.5955 ft amsl and average closing elevation of 761.1861 ft amsl, is another artifact rich level with a higher density and frequency of domestic artifacts than A levels. Soil at this level is still 10 YR 3/2 (very dark grayish brown) clayey silt but contains evidence of burning (charcoal and burned ceramics). At this level archaeologists collected a representative sample of charcoal. An assortment of larger foundation stones in the western half of Level B1 is scatter from historic plow activity. In Level B1 Feature 1 first appeared along the eastern edge of the unit.

Also found were small sherds of glass and most significantly a large piece of glass from the bottom of a bottle...it proves to be hand blown.

- Janel Vasallo [NSF-REU student]

Level C1 is composed of 10 YR 4/4 (dark yellowish brown) silty clay. This level has an average opening elevation of 761.1861 ft amsl and an average closing elevation of 760.6437 ft amsl. This soil horizon has been considered the natural subsoil of Block 5 and appears approximately 1.0 ft below the surface in Excavation Unit 1. In Level C1 archaeologists excavated the southwest quadrant of the unit in order to determine the depth of the subsoil below artifact bearing levels. The team only found one small glass sherd and a piece of a rodent jaw in this quadrant. After finding this relatively sterile horizon no further excavation was conducted in this unit besides the later excavation of Feature 1 along the eastern edge of the unit.

Feature 1

Feature 1 is characterized by the continuation of 10YR 3/2 (very dark grayish brown) silty clay surrounded by a matrix of 10 YR 4/4 (dark yellowish brown) silty clay. This represents human activity introducing organic soils into the natural clayey subsoil.

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**BLOCK 9, LOT 5
EXCAVATION UNIT 1 (N10, E10)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|----------------|----------------|---------------------------|---------------------------|--|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 762.4128 ft | 761.9670 ft | Sod layer with artifacts throughout the level. Large quantity of brick and mortar; rocks mapped in place |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 | CLAYEY SILT | 761.9670 ft | 761.5955 ft | Top of level is very dark grayish brown with base of level dark yellowish brown clay. It is artifact rich layer with various household items, large quantity of brick mortar, and animal bone. Evidence of burning |
| B | B1 | SUBSOIL | 10 YR 4/4 | SILTY CLAY | 761.5955 ft | 761.1861 ft | Very compact dark yellowish brown soil with fewer artifacts. Brick and mortar still present along with charcoal and domestic items |
| B | C1 | SUBSOIL | 10 YR 4/4 | SILTY CLAY | 761.1861 ft | 760.6437 ft | 2.5 by 2.5 ft southwest quarter of unit excavated, two artifacts found most likely introduced by rodent activity. |

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Excavation Unit 2 (N10, E15)

In order to investigate the extent of Feature 1, archaeologists established Block 9 Lot 5 Excavation Unit 2 directly to the east of Unit 1. All levels in Unit 2 were excavated in 0.5 ft arbitrary levels until the bottom of Level A3. Level A1 of the unit consists of the sod layer in the plow zone and evened out the terrain. Level A1 is 10 YR 3/2 (very dark grayish brown) silty loam. This level has an average opening elevation of 762.1755 ft above median sea level (amsl) and an average closing elevation of 761.8360 ft amsl.

*We also got a large piece with the word "line" on it.
That was interesting.*

- Richard Fairley [NSF-REU student]

Level A1 had numerous artifacts including ceramic sherds, flat and vessel glass, numerous nails and miscellaneous metal bits, mother of pearl, and animal bones. Archaeologists collected a representative sample of mortar and brick at this level.

Level A2 is a mix of 10 YR 3/2 (very dark grayish brown) clayey silt mixed with 10 YR 4/4 (dark yellowish brown) silty clay. This level has an average opening elevation of 761.8360 ft amsl and was excavated to an average closing elevation of 761.4849 ft amsl. This level is the point where strong evidence of burning (charcoal, burned ceramics, and melted glass) begins. Artifacts in this level are more plentiful than in Level A1 and include eight buttons of various types (mostly bone, wood, and milk glass), bits of shell, glass sherds, refined and unrefined earthenware sherds, animal bones and samples of brick, mortar, and charcoal. Level A2 is where a toy spoon and small, toy pitcher, both made of pewter or lead, were discovered in association with a metal fastener and a large metal spoon.

*There is strong evidence of burning and a strong
possibility that this level is part of a burn pile.*

- William A. White [crew chief]

Levels A1 and A2 contain no evidence of Feature 1. Level A3 is where the boundaries of Feature 1 are clearly visible along the southern and eastern edge of Excavation Unit 2 and is outlined by 10 YR 4/4 (dark yellowish brown) silty clay. Excavated from an average opening elevation of 761.4849 amsl to an average closing elevation of 760.9535 ft amsl,

We found belt buckles, buttons, a thimble, large chunks of metal, a piece of a spoon, a lot of bones and a tooth with a cavity that might be human.

- Kathryn Fay [NSF-REU student]

Level A3 contains evidence of burning (charcoal) and is also rich with brick and mortar. Artifacts in this level demonstrate evidence of domestic activities and include 23 more buttons of various types, buckles, spoons, thimbles, a small piece of leather, large quantities of animal bone, and a red, glass ring. The base of Level A3 is the transition between arbitrary levels of 0.5 ft and B Levels, which are part of the bisection of Feature 1 and were measured arbitrarily. Level A3 is also the end of excavation across the entire floor of Excavation Unit 2.

Feature 1

Feature 1 is identified by the continuation of 10 YR 3/2 (very dark grayish brown soil) clayey silt into the natural 10 YR 4/4 (dark yellowish brown) silty clay subsoil. The southern and eastern border of this feature becomes clearly outlined by Excavation Unit 2 in Level A3. Feature 1 also contains the highest concentration of artifacts in Block 9, Lot 5.

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**BLOCK9, LOT 5
EXCAVATION UNIT 2 (N10, E15)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|--------------------------------------|--|----------------------------------|---------------------------|---------------------------|--|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 762.1755 ft | 761.8360 ft | Sod layer with artifacts throughout level. There are large quantity of brick and mortar; and a few mother of pearl flakes. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 | CLAYEY SILT | 761.8360 ft | 761.4849 ft | There is a sharp increase in artifact quantity and evidence of burning (melted glass and charcoal). Artifacts include one toy pitcher and a toy spoon, bone and shell. |
| B | A3 | SUBSOIL WITH FEATURE INTRUSION | 10 YR 3/2 SURROUN- DED BY 10 YR 4/4 | CLAYEY SILT AND SILTY CLAY | 761.4849 ft | 760.9535 ft | Very compact dark yellowish brown soil outlining Feature 1. Feature 1 is very dark grayish brown clayey silt and heavily laden with artifacts including buttons, buckles, thimbles, and a toy pitcher. |

New Philadelphia
Excavation Unit Summary Form

Block 9 Lot 5

William A. White, III
Richard Fairley, Kathryn Fay, and Janel Vasallo

Excavation Unit 3 (N15, E15)

After defining the western, southern and eastern boundaries of Feature 1 archaeologists established Block 9 Lot 5 Excavation Unit 3 to determine the northern boundary of the feature. Levels in this unit were removed in 0.5 ft arbitrary levels.

We found little artifacts and the weather was in the 90's

- Richard Fairley [NSF-REU student]

*It's sunny and very hot today with a slight breeze...we didn't
find much for artifacts.*

- Kathryn Fay [NSF-REU student]

Level A1 consists of a 10 YR 3/2 (very dark grayish brown) silty loam sod layer. This level has an average opening elevation of 762.1540 ft above median sea level (amsl) and an average closing elevation of 761.9568 ft amsl. Due to unevenness of terrain this level is comparatively short with all grass being removed from the southeastern corner of the unit and grass remaining in the northeast corner. Level A1 contained fewer artifacts and the team collected representative samples of brick, mortar, and charcoal. Three pieces of shell, a piece of bone, glass sherds, refined earthenware sherds, glass sherds, and nails are also from this level.

*Level A2 is an artifact-laden layer with signs of burning
on the southern edge.*

- William A. White [crew chief]

Level A2 is also located in the plow zone and consists of 10 YR 3/2 (very dark grayish brown) silty loam. This level has an average opening elevation of 761.9568 ft amsl and an average closing elevation of 761.3792 ft amsl. Artifacts found in this level are more numerous than those in Level A1 but are consistent with other artifacts found at this depth in Block 9, Lot 5. Artifacts in Level A2 include refined and unrefined earthenware sherds, flat and vessel glass sherds, as well as collected samples of brick, mortar, and charcoal. Other artifacts at this level include numerous animal bones, a corkscrew, sherds of a milk glass Mason jar lid seal, buttons of various varieties, a metal can lid, two grommets, and a possible chert flake. Level A2 also exhibits evidence of burning.

This last level yielded very few artifacts but what was found was interesting.

- Janel Vasallo [NSF-REU student]

Level A3 in Excavation Unit 3 is the level where Feature 1 becomes fully visible along the southern edge of the unit. This level has an average opening elevation of 761.3792 ft amsl and an average closing elevation of 760.9605 ft amsl. Soil texture at this level is 10 YR 4/4 (dark yellowish brown) silty clay. While the majority of Level A3 has fewer artifacts, especially toward the base of the level, the area of Level A3 containing Feature 1 is comparatively rich in artifacts. Besides the usual samples of brick, mortar, and charcoal, Level A3 artifacts also include a small metal ring, a colorless glass bottle stopper, refined earthenware sherds, metal nails, and numerous pieces of unidentified rusted metal.

Feature 1

As in the previous units, Feature 1 is characterized by the intrusion of 10 YR 3/2 (very dark grayish brown) clayey silt surrounded by 10 YR 4/4 (dark yellowish brown) silty clay matrix. Feature 1 is also identified by a higher concentration of artifacts. In Excavation Unit 3 Feature 1 is located along the southern edge and does not extend more than 0.5 ft to the north of the unit.

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**BLOCK9, LOT 5
EXCAVATION UNIT 3 (N15, E15)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|--|---------------------------------|---------------------------|---------------------------|--|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 762.1540 ft | 761.0027 ft | Level A1, in the sod layer, is a short level due to uneven terrain. Few artifacts are present. Mortar and charcoal are present. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 AT TOP OF LEVEL, 10 YR 4/4 AT BASE | CLAYEY SILT TO SILTY CLAY | 761.0027 ft | 761.3792 ft | Transition level from topsoil to subsoil, brick and mortar are still present. High quantity of artifacts include Mason jar sealer fragments, a corkscrew, buttons, and animal bones. |
| B | A3 | SUBSOIL | 10 YR 4/4 and 10 YR 3/2 | MOSTLY SILTY CLAY | 761.3792 ft | 760.9605 ft | Very hard dark yellowish brown soil outlining Feature 1. Feature 1 is dark grayish brown clayey silt with proportionally higher density of artifacts. Artifacts include a glass marble, buttons, and animal bones. |

New Philadelphia Feature 1 Summary Form

Block 9, Lot 5

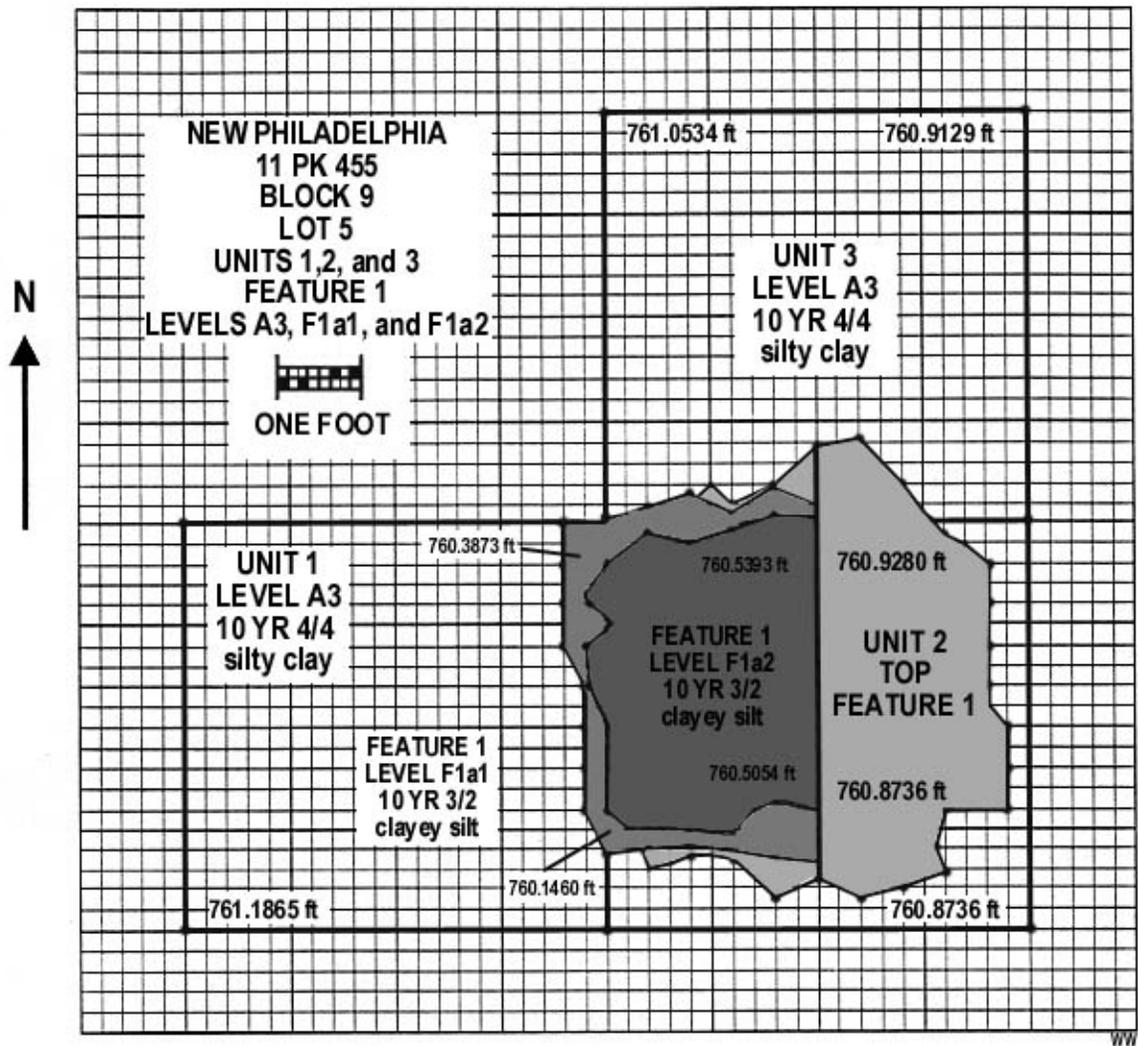
William A. White, III, Richard Fairley, Kathryn Fay, and Janel Vasallo

Excavation Units 1, 2, 3

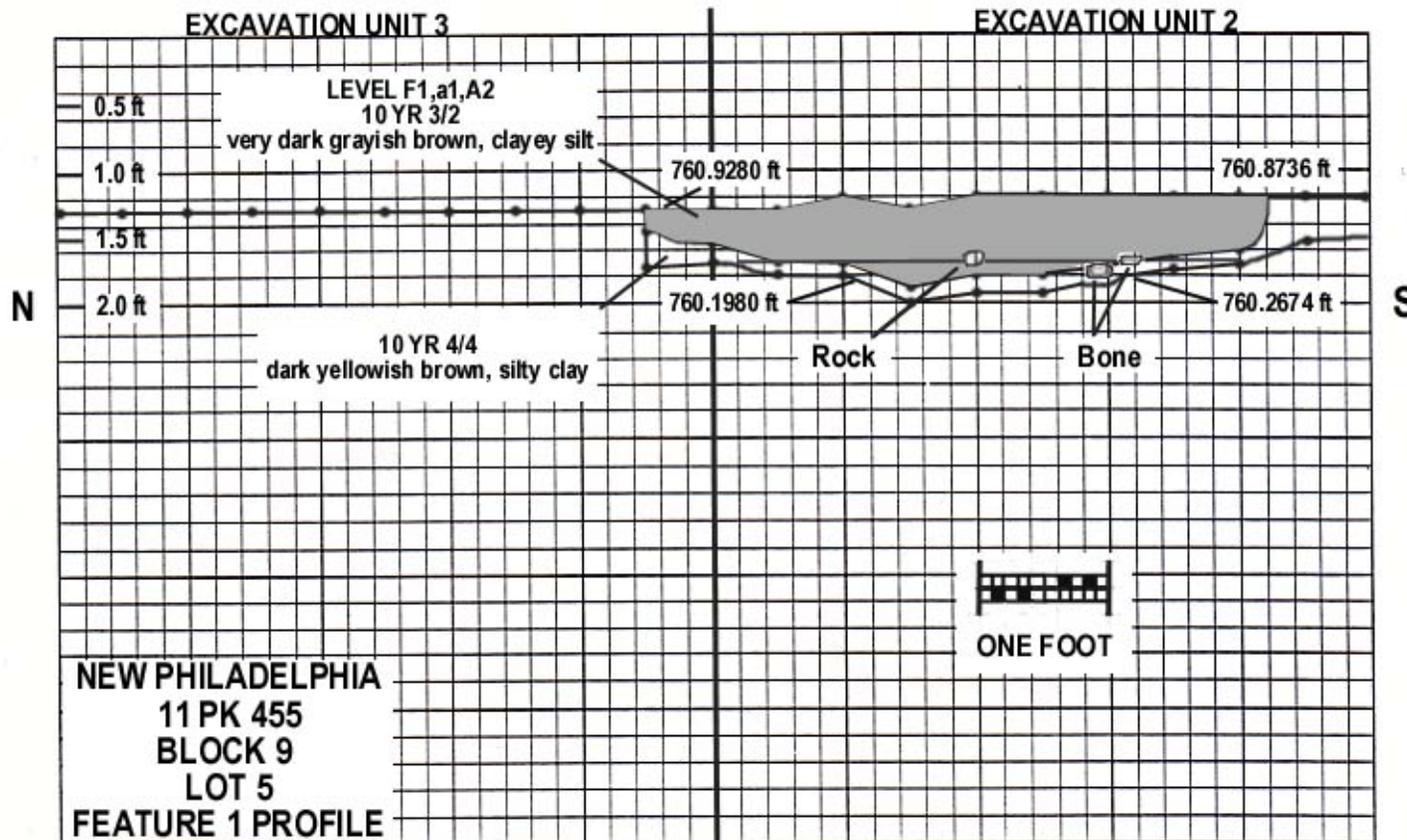
At the base of Excavation Units 1, 2, and 3 archaeologists discovered a symmetrical area of darker organic 10 YR 3/2 (very dark grayish brown) silty clay soil. This area was only located on the eastern edge of Excavation Unit 1 and the southern edge of Unit 3. Excavation Unit 2 is where Feature 1 is mostly found. The designation of this coloration of soil as a feature is based not only on soil color change but also on an unnaturally square shape and also artifact density, which was considerably higher than in any other area excavated thus far at New Philadelphia. Feature 1 first appeared along the eastern edge of Excavation Unit 1 and is characterized by the continuation of 10YR 3/2 (very dark grayish brown) silty clay into a matrix of 10 YR 4/4 (dark yellowish brown) silty clay. This represents human activity introducing organic soils into the natural clayey subsoil. In Excavation Unit 2 Feature 1 is identified by the continuation of 10 YR 3/2 (very dark grayish brown soil) clayey silt into the natural 10 YR 4/4 (dark yellowish brown) silty clay subsoil. The southern and eastern border of this feature becomes clearly outlined in this unit at the base of Level A3. This is also where Feature 1 contains the highest concentration of artifacts. As in the previous units, Feature 1 in Excavation Unit 2 is characterized by the intrusion of 10 YR 3/2 (very dark grayish brown) clayey silt surrounded by 10 YR 4/4 (dark yellowish brown) silty clay matrix. In Excavation Unit 3, Feature 1 is located along the southern edge and does not extend more than 0.5 ft to the north of the unit. Archaeologists bisected the feature along a north/south axis and excavated the western half. Excavated in arbitrary levels, Level F1, a1 of Feature 1 has an average opening elevation of 760.9535 ft and an average closing elevation of 760.5077 ft. The east half of this feature remains intact. This level contains evidence of burning including charcoal and singed stones. Artifacts in this level include flat and vessel glass sherds, ceramic sherds, marbles, buttons, bones, spoons, and thimbles. A comb and an unidentified item of carved bone are also from this level. After the 0.5 ft excavation of Level F1, a1 along the contour of the feature, Level F1, a2 proceeded to define the base of this feature. This level had an average opening elevation of 760.5077 ft and an average closing elevation of 760.2394 ft. This level is shorter than other levels because soil in Feature 1 changes from a 10 YR 3/2 (very dark grayish brown) clayey silt to a 10 YR 4/4 (dark yellowish brown) silty clay. The base of this level is also uneven due to the contour of the feature. Here fewer artifacts are present. Artifacts at this level include brick, mortar, charcoal, and stone as well as a few bones. Based on artifacts recovered from this level and structure Feature 1 is most likely the remains of a trash burn pile.

**BLOCK9, LOT 5
EXCAVATION UNITS 1,2, AND 3
FEATURE 1**

| MEGA STRAT | LEVEL | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|----------------|----------------|---------------------------|---------------------------|---|
| II | F1, a1 | 10 YR 3/2 | CLAYEY SILT | 760.9535 ft | 760.5077 ft | Level F1a1 is a bisect of Feature 1 and extends into Excavation Units 1,2, and 3. This is an area of very high artifact density and exhibits evidence of burning. Artifacts in Level F1a1 include thimbles, buttons, marbles, spoons, and a comb. |
| II | F1, a2 | 10 YR 3/2 | CLAYEY SILT | 760.5077 ft | 760.2394 ft | Level F1a2 is an arbitrary level, which ends at the bottom of Feature 1. This level has an uneven base. Artifacts include charcoal samples, refined earthenware sherds, and flat/ vessel glass. |



Planview of Feature 1, Excavation Units 1, 2, & 3, Block 9, Lot 5.



West wall profile of Feature 1, Block 9, Lot 5.

**New Philadelphia
Excavation Unit Summary Form**

Block 9 Lot 5

Kathryn Fay
Richard Fairley, Janel Vasallo, and William A. White, III

Excavation Unit 4 (N45, E40)

Archaeologists positioned Block 9 Lot 5 Excavation Unit 4 based on the results of core sampling to the northeast of Block 9 Lot 5 Excavation Units 1, 2, and 3. During core sampling solid resistance occurred along a north/south axis approximately 30 ft northeast of Excavation Unit 3. Solid resistance occurs when the core sampler will not sink deeper into the soil, indicating something with significant density has been struck. Objects like subsurface stone deposits can create such solid resistance. This resistance continues to the north for about 50 ft but did not follow a continuous line. Archaeologists working on Unit 4 excavated with 0.5 ft arbitrary levels. The main purpose is to determine the source of solid resistance approximately 0.5 ft below the surface.

*Unit 4 was located from core samples indicating resistance
0.5 ft below the surface. Further sampling indicates
resistance for at least 30 ft to the north from Unit 4.*

- William A. White [crew chief]

Level A1 has an average opening elevation of 761.0027 ft above median sea level (amsl) and an average closing elevation of 760.5211 ft amsl. Level A1 of Excavation Unit 4 is the sod layer located in the plow zone. This level is 10 YR 3/2 (very dark grayish brown) silty loam topsoil. Artifacts in this level are a continuation of household items similar to those excavated in the first three units. Aside from brick and mortar samples, artifacts include refined earthenware sherds in association with flat and vessel glass sherds. A buckle, a scissor handle, and buttons are also located in Level A1. At the base of this level a large rock, located in the southeastern corner of the unit, was initially believed to be part of the source of solid resistance from core sampling until excavations in Level A2 disproved this hypothesis.

*Today we went to the cemetery where Free Franke
McWhorter and his family was buried...that was an
interesting experience for me.*

- Richard Fairley [NSF-REU student]

Level A2 is composed of the same 10 YR 3/2 (very dark grayish brown) silty loam but the base of this level is 10 YR 4/4 (dark yellowish brown) silty clay. This level has an average opening elevation of 760.5211 ft amsl and an average closing elevation of 760.1091 ft amsl. Artifacts in Level A2 came from the upper half of the level (between 0.5 and .75 ft below surface) and were on the whole comparatively sparse. Artifacts from this level include unidentified bits of metal, nails, flat and vessel glass sherds, and refined earthenware sherds. Level A2 is the transition

between topsoil and the natural subsoil of Block 9, Lot 5. The density of subsoil clays at this level is the reason for solid resistance during core sampling. At the base of Level A2 two soil discolorations were mapped in place. These discolorations are areas of 10 YR 3/2 (very dark grayish brown) clayey silt with bits of charcoal in them surrounded by 10 YR 4/4 (dark yellowish brown) silty clay matrix.

... We finished Unit 4 and didn't find anything. It was all hard clay and we only found a few artifacts.

- Kathryn Fay [NSF-REU student]

Level B1 is comprised of tightly compacted 10 YR 4/4 (dark yellowish brown) silty clay with few artifacts. The average opening elevation of this level is 760.1091 ft amsl and average closing elevation is 759.6170 ft amsl. A few bits of unidentified metal and charcoal were excavated. The possible features from Level A2 were intrusions of darker organic soil into the subsoil matrix and did not extend more than 0.2 ft into Level B1 after excavation. These stains are most likely created through plow activity.

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**BLOCK9, LOT 5
EXCAVATION UNIT 4 (N45, E40)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|--|---------------------------------|---------------------------|---------------------------|--|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 761.0027ft | 760.5211 ft | Relatively few artifacts; no brick or mortar present. Artifacts include the handle to a small pair of scissors, buttons, and a buckle. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 AT TOP OF LEVEL, 10 YR 4/4 AT BASE | CLAYEY SILT TO SILTY CLAY | 760.5211 ft | 760.1091 ft | Level A2 is a transition level between topsoil and subsoil. Very few artifacts were found. |
| B | B1 | SUBSOIL | 10 YR 4/4 | CLAYEY SILT | 760.1091 ft | 759.6170 ft | Level B1 is compacted silty clay that is very hard to dig. Less than ten artifacts found. |

New Philadelphia Excavation Unit Summary Form

Block 9 Lot 5

Janel Vasallo
Richard Fairley, Kathryn Fay, and William A. White, III

Excavation Unit 5 (N95, E40)

Archaeologists conducted core sampling using a 1.0 inch core sampler in two 100 ft parallel transects, 20 ft apart (from coordinates N20, E20 to N120, E20 and from N20, E40 to N120, E40). Based on solid resistance during core sampling archaeologists established Excavation Unit 5 approximately 50 feet directly north of Excavation Unit 4. Solid resistance occurs 0.5 ft below surface as was the case in Excavation Unit 4 and the goal of Excavation Unit 5 is to discover the reason for this resistance. Solid resistance occurs when the core sampler will not sink deeper into the soil indicating something with significant density has been struck. Objects like stones will create solid resistance in a core sampling transect. With an average opening elevation of 760.5562 ft above median sea level (amsl) and an average closing elevation of 760.1803 ft amsl, Level A1 of this unit is comprised of the sod layer and is located in the plow zone. It is 10 YR 3/2 (very dark grayish brown) silty loam.

This morning was cloudy and cool- perfect weather.

- Kathryn Fay [NSF-REU student]

This level had very few artifacts as compared to other Block 9, Lot 5 units. Level A1 contained flat and vessel glass sherds, slag, nails, and refined earthenware sherds. In addition to these artifacts two parallel plow scars, running diagonally to the northwest from the southern edge of the unit, existed in this level. The plow scars appeared as two parallel lines (approximately 0.4 ft wide) of intruding grass surrounded by a 10 YR 3/2 (very dark grayish brown) silty loam matrix. These plow scars extended across half of the unit and ended in the northern half.

Dr. Cheryl LaRoche helped us excavate until 1:00 PM

- William A. White [crew chief]

*Two news reporters came and took pictures. For lunch
we had sloppy joes.*

- Richard Fairley [NSF/REU student]

Level A2 had an average opening elevation of 760.1803 ft amsl and an average closing elevation of 759.6511 ft amsl. Level A2 encompasses the transition between topsoil and 10 YR 3/2 (dark yellowish brown) silty clay subsoil at the base. Again, the soil density of this subsoil is the reason for solid resistance during core sampling. Level A2 contained comparatively few artifacts. Artifacts in this level include flat and vessel glass sherds, nails, refined earthenware sherds, and a few unidentified lithic sherds (possibly chert flakes).

*The rain is pouring down on us as of now. I am under
the main camp tent now.*

- Janel Vasallo [NSF-REU student]

Excavation Unit 5 Level B1 consisted of the excavation of the northeastern quadrant of the unit. This quadrant measured 2.5 by 2.5 feet with an average opening elevation of 759.6511 ft amsl and an average closing elevation of 759.6170 ft amsl. Level B1 consists of hard, 10 YR 4/4 (dark yellowish brown) silty clay and is devoid of artifacts.

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**BLOCK9, LOT 5
EXCAVATION UNIT 5 (N95, E40)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. ASLM | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|--|---------------------------------|---------------------------|---------------------------|---|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 760.5562 ft | 760.1803 ft | Very few artifacts, no brick or mortar present. Artifacts include slag, nails, glass and refined earthenware sherds. At the base of the level two plow scars are mapped in place. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 AT TOP OF LEVEL, 10 YR 4/4 AT BASE | CLAYEY SILT TO SILTY CLAY | 760.1803 ft | 759.6511 ft | Level A2 is a transition level between topsoil and subsoil. After excavating plow zone stratum very few artifacts are found below. |
| B | B1 | SUBSOIL | 10 YR 4/4 | CLAYEY SILT | 759.6511 ft | 759.2422 ft | Level B1 is a 2.5 by 2.5 ft excavated in the northeastern corner of the unit. Soil is compacted silty clay that is very hard to dig. No artifacts found. |

New Philadelphia Excavation Unit Summary Form

Block 9 Lot 5

Richard Fairley
Kathryn Fay, Janel Vasallo, and William A. White, III

Excavation Unit 6 (N45, E20)

The results of Excavation Units 4 and 5 determine that solid resistance at 0.5 ft. is caused by soil density of hard clayey subsoil in Block 9, Lot 5. Because solid resistance in this block is caused by the subsoil rather than human agency, our goal shifted away from detecting the source of solid resistance to searching for areas with a high potential for evidence of human agency. The region 30 ft north of Excavation Unit 3 is such an area. Ground resistance information from previous geophysical surveys and core sampling on Block 9 led to the placement of Excavation Unit 6. The average opening elevation of Level A1 is 761.8060 ft above median sea level (amsl) and the average closing elevation is 761.6764 ft amsl.

This morning Level A1 was begun and completed fully. That was done before lunch.

- Janel Vasallo [NSF-REU student]

Level A1 of Unit 5 is the sod layer located in the plow zone. It is 10 YR 3/2 (very dark grayish brown) silty loam. This level contained artifacts similar to those discovered at the same level in other units of Block 9, Lot 5. Aside from collected samples of brick and mortar, artifacts in Level A1 include refined and unrefined earthenware sherds, animal bones, nails, and pieces of unidentified metal. A burned piece of colorless glass (possibly a decanter lid) and a shotgun cartridge baseplate also come from this level.

With an average opening elevation of 761.4272 ft amsl and an average closing elevation of 760.9983 ft amsl, Level A2 is also characterized as the transition level between 10 YR 3/2 (very dark grayish brown) clayey silt at the top of the level and 10 YR 4/4 (dark yellowish brown) silty clay subsoil at the base.

We found several artifacts in the layers including a bottle neck and finish, a glass decanter stopper, a piece of a shotgun shell casing, and the usual ceramic, metal, glass and brick and charcoal samples.

- Kathryn Fay [NSF-REU student]

In this level artifacts include brick, mortar, and charcoal but also include animal bones, earthenware sherds, nails and miscellaneous metal, and flat and vessel glass sherds. Also a bottle neck and finish, another shotgun cartridge baseplate, and some possible chert flakes are from this level. The base of Level A2 contained two areas of 10 YR 3/2 (very dark grayish brown) clayey

silt with small bits of charcoal and stone. Further excavation in Level B1 indicates that these darker areas were not features but rather regions where topsoil had penetrated into the subsoil by only a few tenths of a foot.

Today was another day in the life of a student archaeologist.

- Janel Vasallo [NSF-REU student]

Level B1 is characterized by a change in soil texture and color to 10 YR 4/4 (dark yellowish brown) silty clay and also a decline in artifact frequency. Average opening elevations for Level B1 are 760.9983 ft amsl and average closing elevations are 759.5230 ft amsl. While charcoal was present in the previously mentioned areas at the top of the level, they are not present at the base. Earthenware sherds, a piece of animal bone, four pieces of flat glass, and several pieces of unidentified metal make up artifacts excavated from this level.

**NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
11 PK 455
NSF-REU PROGRAM**

**BLOCK9, LOT 5
EXCAVATION UNIT 6 (N45, E20)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|--|---------------------------------|---------------------------|---------------------------|---|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 761.8060 ft | 761.4272 ft | Level A1 of this unit contains a high quantity of artifacts. Artifacts include a melted decanter stopper, buttons, a shotgun cartridge baseplate, along with brick, mortar, and charcoal samples. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 AT TOP OF LEVEL, 10 YR 4/4 AT BASE | CLAYEY SILT TO SILTY CLAY | 761.4272 ft | 760.9983 ft | Level A2 represents a transition level between topsoil and subsoil. Most artifacts are found in the upper 0.25 ft. Artifacts include a bottle finish, Mason jar sealer sherds, and a shotgun cartridge baseplate. |
| B | B1 | SUBSOIL | 10 YR 4/4 | CLAYEY SILT | 760.9983 ft | 760.5230 ft | Level B1 contained a few flecks of charcoal in areas of the upper 0.20 ft but not at the base of the level. This level contained very few artifacts. |

New Philadelphia
Excavation Unit Summary Form

Block 9 Lot 5

William A. White, III
Richard Fairley, Kathryn Fay, and Janel Vasallo

Excavation Unit 7 (N30, E20)

In a continuing effort to discover areas that do not have a compacted 10 YR 4/4 (dark yellowish brown) silty clay horizon and also in order to find additional features on Block 9, Lot 5 archaeologists established Excavation Unit 7 approximately 10 ft north of Excavation Unit 3. Level A1 of this unit consists of 10 YR 3/2 (very dark grayish brown) silty loam and has an average opening elevation of 761.9628 ft above median sea level (amsl). The average closing elevation of this level is 761.6764 ft amsl.

*Today we started Level A1 and got it leveled out today.
We are ahead of everyone. Our team rules.*

- Richard Fairley [NSF-REU student]

In Level A1 archaeologists uncovered numerous artifacts including flat and vessel glass sherds, refined earthenware sherds, and nails. They also collected representative samples of brick, mortar, and charcoal. This level also contained a shotgun cartridge baseplate and colorless vessel glass sherd with a wolf or boar embossed on it. The base of Level A1 contained two parallel plow scars running diagonally to the northeast across the entire unit.

*I found a whole Mason jar lid sealer. I found it just in
time for the press to come and interview me.*

- Richard Fairley [NSF-REU student]

Level A2 opened with an average elevation of 761.6764 ft amsl and has an average closing elevation of 761.0987 ft amsl. Soil at this level is 10 YR 3/2 (very dark grayish brown) clayey silt and remains so throughout the level. Artifacts increase in frequency in this level and include refined earthenware sherds, nails, and flat and vessel glass sherds. This level also yielded a complete Mason jar sealer with the words "PORCELAIN LINED CAP/ FOR MASON FRUIT JARS" on the front with a decorative design in the center of the sealer and the initials "FH" on the reverse side. Also excavated from this level are a paper clip, bottle neck and finish, and a button.

Level A3 is a continuation of 10 YR 3/2 (very dark grayish brown) clayey silt at the top of the level but changes to 10 YR 4/4 (dark yellowish brown) silty clay in the last 0.1 ft. Average opening elevations for this level are 761.0987 ft amsl and average closing elevations are 760.6957 ft amsl. As compared to Levels A1 and A2, Level A3 had fewer artifacts, including

refined earthenware sherds, metal slag, and possible chert flakes. Archaeologists also sampled charcoal from this level. Excavations on this unit ended due to time constraints without discovering the extent of 10 YR 4/4 dark yellowish brown silty clay beneath Level A3.

Today is a sad day -- our last day in the field.

- Kathryn Fay [NSF-REU student]

**NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
11 PK 455
NSF-REU PROGRAM**

**BLOCK9, LOT 5
EXCAVATION UNIT 7 (N30, E20)**

| MEGA STRAT | LEVEL | STRATUM | MUNSELL | TEXTURE | OPENING ELEV. AMSL | CLOSING ELEV. AMSL | DESCRIPTION |
|-------------------|--------------|-------------------------|--|---------------------------------|---------------------------|---------------------------|---|
| I | A1 | SOD LAYER/ PLOW ZONE | 10 YR 3/2 | SILTY LOAM | 761.9628 ft | 761.6764 ft | Level A1 artifacts include a shotgun cartridge baseplate and a sherd of colorless glass with the figure of a dog or boar embossed on it. Archaeologists sampled brick, mortar, and charcoal. Plow scars mapped in place. |
| I | A2 | TOPSOIL/ PLOWZONE | 10 YR 3/2 | CLAYEY SILT | 761.6764 ft | 761.0987 ft | A level A2 stratum continues to be organic topsoil throughout. Representative samples of brick, mortar, and charcoal collected. A Mason jar sealer embossed with the phrase "PORCELAIN LINED CAP/ FOR MASON FRUIT JARS" on one side and the initials "FH" on the other. |
| I/B | A3 | TOPSOIL/ SUBSOIL | 10 YR 3/2 AT TOP OF LEVEL, 10 YR 4/4 AT BASE | CLAYEY SILT TO SILTY CLAY | 761.0987 ft | 760.6957 ft | Level A3 represents a transition level between topsoil and subsoil. Fewer artifacts found. |