

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 3

Kimberly Eppler, LaShara Morris, Megan Volkel and Dr. Terrance Martin

### Excavation Unit 1 (N50 E5)

Archaeologists began the excavation of Block 3 Lot 3 Excavation Unit 1 to investigate potential archaeological features associated with Feature 2 encountered in the 2004 field season. Feature 2 is interpreted as a lime-slacking pit. Excavation Unit 1 is located along the west boundary of Lot 3 and is adjacent to Lot 4. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 762.2890 ft above median sea level (amsl) and average closing elevation is 761.9112 ft amsl. Level A1 is plow zone and is 10YR 3/1 (very dark gray) sandy clay loam. Archaeologists encountered a highly concentrated, uniform scatter of gravel and hard packed clay in this level. The team recovered artifacts from throughout the level, which included brick, ceramics, metal, mortar, slag/clinker, glass, possible chert flakes and an 1876 nickel.

*"We decided to dig here first because it is east of a lime slacking pit that was uncovered last summer."*

- Megan Volkel [NSF-REU student]

*"Our most interesting finds was a copper nickel from 1876. If it had been found in the subsoil, it would have been a definite indication of the era this lot was occupied. Unfortunately, since it was in the plow zone, it could be out of context."*

- Kim Eppler [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 761.9112 ft amsl and average closing elevation is 761.4460 ft amsl. Level A2 is a transition from plow zone to subsoil and is 10YR 3/3 (dark brown) sandy clay loam in western portion, 10YR 4/2 (dark grayish-brown) sandy clay loam in the east half of the level. The team interpreted the darker soil in the west half of the unit as possible rodent burrows or decayed tree roots. Archaeologists found artifacts throughout the level that included bone, brick, metal, ceramic, glass, mortar, slag/clinker and possible chert flakes.

*"There were several random items we couldn't identify... Luckily Charlotte was very insightful."*

- LaShara Morris [NSF-REU student]

Archaeologists excavated Level B1 as a 0.5 ft arbitrary level. Level B1's average opening elevation is 761.4460 ft amsl and average closing elevation is 760.9442 ft amsl. Level B1 is subsoil and is mottled: 10YR 3/4 (dark yellowish brown) 50% and 10YR 4/6 (dark yellowish brown) 50% clayey loam. The team encountered a much lower density of artifacts

including brick, metal, slag/clinker and charcoal. Upon completion of this level, archaeologists detected Feature 5, a semi-circular area in the northeast corner of the unit consisting of 10YR 2/2 (very dark brown) sandy clay. Feature 5 is visible in the floor and wall of the unit and was mapped by the team. Small fragments of brick and charcoal were encountered within the feature.

*“A feature appeared in the floor of the NE corner. The soil was much darker and contained some wood and charcoal.”*

- Kim Eppler [NSF-REU student]

Archaeologists excavated Level B2 as a 0.3ft arbitrary level. Level B2's average opening elevation is 760.9442 ft amsl and average closing elevation is 760.5050 ft amsl. This level bisected Feature 5 and was excavated in a 2 ft (E-W) by 1 ft (N-S) by rectangle off of the north wall to determine the depth of the Feature 5. The semi-circular soil stain ceased to be visible at the bottom of this level. The soil surrounding the feature is mottled: 10YR 6/8 (brownish yellow) 50% and 10YR 4/3 (brown) 50% sandy clay. Archaeologists sampled soil from this level, (#4). No artifacts were recovered from this level. The team profiled the north and west walls. Profiles were drawn of the north and west walls of the unit.

*“Got to the bottom of the feature. It could be a burnt out post hole, or maybe just a giant rodent burrow.”*

- Megan Volkel [NSF-REU student]

## **Feature 5**

Feature 5 encompasses a 0.75 ft (E-W) by 0.45ft (N-S) area in the northeast portion of Block 3 Lot 3 Excavation Unit 1. Feature 5 is 10YR 3/2 (very dark grayish brown) sandy clay. The feature was first identified at the base Level B1, 1.5 ft below the surface. Feature 5 is visible in the north profile 1 ft below the ground surface. Archaeologists excavated the feature 0.4 ft below the floor of Level B1. It ceased to be visible at 1.9 ft below the ground surface. Small pieces of charcoal, brick and glass were recovered from within the feature, but no artifacts were retrieved from the surrounding soil. The south half of the feature was taken as a floatation sample (8 liters). Feature 5 has a flat bottom and continues into the north wall. Feature 5 is interpreted as a possible rodent burrow or remnant of a post.

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**BLOCK 3 LOT 3  
EXCAVATION UNIT 1 (N50 E5)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10 YR 3/1	SANDY CLAY LOAM	762.2890 ft	761.9112 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, slag/clinker, brick, mortar, possible chert flakes, metal and a 1876 nickel. Artifacts are found throughout the level.
I	A2	PLOW ZONE	10 YR 3/3 10YR 4/2 10YR 4/6	SANDY CLAY LOAM	761.9112 ft	761.4460 ft	Level A2 is plow zone. Artifacts were recovered throughout the level, including glass, ceramic, metal, bone, brick, slag/clinker, mortar and miscellaneous stone.
B	B1	SUB SOIL	MOTTLED: 10 YR 3/4 10 YR 4/6 FEATURE 5: 10YR 2/2	CLAY LOAM	761.4460 ft	760.9442 ft	The amount of artifacts decreases significantly in this level. The appearance of Feature 5 occurs in this level. Artifacts recovered include brick, charcoal, metal and slag/clinker.
B	B2	SUB SOIL	FEATURE 5: 10 YR 2/2 SURROUND- ING MATRIX MOTTLED: 10YR 4/3 10YR 6/8	SANDY CLAY	760.9442 ft	760.5050 ft	Excavation was halted as the termination of Feature 5 was observed in the floor of the unit. The feature extends into the North wall. No artifacts were recovered from the feature or the surrounding matrix, and a soil sample was taken.



**New Philadelphia  
Feature 5 Summary Form**

**Block 3 Lot 3**

Kimberly Eppler, LaShara Morris, Megan Volkel and Terrance Martin

**Excavation Unit 1 (N50 E5)**

Feature 5 encompasses a 0.75 ft (E-W) by 0.45ft (N-S) area in the northeast portion of Block 3 Lot 3 Excavation Unit 1. Feature 5 is 10YR 3/2 (very dark grayish brown) sandy clay. The feature was first identified at the base Level B1, 1.5 ft below the surface. Feature 5 is visible in the north profile 1 ft below the ground surface. Archaeologists excavated the feature 0.4 ft below the floor of Level B1. It ceased to be visible at 1.9 ft below the ground surface. Small pieces of charcoal, brick and glass were recovered from within the feature, but no artifacts were retrieved from the surrounding soil. The south half of the feature was taken as a floatation sample (8 liters). Feature 5 has a flat bottom and continues into the north wall. Feature 5 is interpreted as a possible rodent burrow or remnant of a post. After excavating Feature 5, archaeologists discontinued excavations of Excavation Unit 1.

**BLOCK 3, LOT 3  
EXCAVATION UNIT 1 (N50 E5)  
FEATURE 5**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
B	F5,a1	SUBSOIL	10 YR 2/2	SANDY CLAY	760.9442 ft	760.5050 ft	Feature 5 is presumed to be a post remnant or possible rodent burrow and was bisected and profiled. Charcoal, brick fragments and glass sherds were found within the feature soil. A soil sample was obtained for floatation.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 4**

Kimberly Eppler, Megan Volkel, LaShara Morris, Allison Azzarello, Michael Collart, and Dr. Terrance Martin

### **Excavation Unit 7 (N5 E60)**

Archaeologists began the excavation of Block 3 Lot 4 Excavation Unit 7 to investigate potential archaeological features associated with Feature 2 encountered in the 2004 field season. Feature 2 is interpreted as a lime-slacking pit. Also, the team excavated Unit 7 in order to explore an anomaly registered by the geophysical survey. Excavation Unit 7 is the excavation unit in the southeast corner of Lot 4. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 763.0052 ft above median sea level (amsl) and average closing elevation is 762.7654 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, clinker/slag, glass, mortar, one piece of bone, and one piece of copper.

*"We were put in a position to prove that we could regurgitate what we learned. Proudly, we pulled off a lot."*

- LaShara Morris [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 762.7654 ft amsl and average closing elevation is 762.2906 ft amsl. Level A2 is plow zone and is 10YR 3/3 (dark brown) sandy loam. Archaeologists found artifacts throughout the unit that included brick, metal, glass, clinker/slag, ceramics, bone, mortar, slate, possible chert flakes, one glass bead, one button, and one metal hair clip.

*"It was an incredible day artifact wise. Our team found a copper or brass barrette, or perhaps a tie clip."*

- Megan Volkel [NSF-REU student]

Since Unit 7 is sloped from its highest side on the west to its lowest side on the east, the team leveled the east side of the unit with the west side in order to follow the bottom of the plow zone. Level A3 is about 1 ft below ground surface. Level A3's average opening elevation is 762.2906 ft amsl and average closing elevation is 762.0278 ft amsl. Level A3 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay. They recovered artifacts from throughout the unit, including brick, metal, clinker/slag, glass, charcoal, and ceramics. The amount of recovered artifacts decreased in this level.

*"The unit is on a strange slope and is very deceiving."*

- Kim Eppler [NSF-REU student]

Archaeologists excavated Level B1 as a 0.5 arbitrary level. Level B1's average opening elevation is 762.0278 ft amsl and average closing elevation is 761.5346 ft amsl. Level B1 is subsoil and is sandy clay mottled: 10YR 4/4 (dark yellowish brown) and 10YR 3/2 (very dark grayish brown). One artifact was recovered, which was one metal nail. Archaeologist discontinued excavation of Block 3 Lot 4 Excavation Unit 7 because they observed a decline in recovered artifacts and a soil color change. They profiled the west wall.

*“We dug a small trench along the side so we could tell how far 0.5 ft was and when we spotted the end of the plow zone there was much rejoicing.”*

- Michael Collart [UIUC student]



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**BLOCK 3 LOT 4  
EXCAVATION UNIT 7 (N5 E60)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SANDY CLAY LOAM	763.0052 ft	762.7654 ft	Located in the topsoil, Level A1 yielded refined earthenware, metal, and glass. Artifacts are found throughout level.
I	A2	PLOW ZONE	10YR 3/3	SANDY CLAY	762.7654 ft	762.2906 ft	Level A2 is plow zone. Artifacts were recovered throughout the unit including refined earthenware, one button, metal, and one metal hair clasp.
I	A3	PLOW ZONE	10YR 3/2	SANDY CLAY	762.2906 ft	762.0278 ft	Artifacts decrease in this level. Archaeologists leveled east half in order to follow bottom of plow zone. Artifacts recovered were brick, metal, and ceramics.
B	B1	SUBSOIL	MOTTLED: 10YR 4/4 10YR 3/2	SANDY CLAY	762.0278 ft	761.5346 ft	Only one artifact recovered in this level, one nail. Archaeologists discontinued excavation at the bottom of this level.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 5

Allison Azzarello, Michael Collart, Kimberly Eppler, LaShara Morris, Megan Volkel and  
Dr. Terrance Martin

### Excavation Unit 1 (N60 E10)

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 1 to investigate the source of the soil anomaly detected in the area by electrical resistivity. The unit was placed where it might encounter the southern edge of the anomaly. Archaeologists excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 766.2005 ft above median sea level (amsl) and average closing elevation is 765.8214 ft amsl. Level A1 is sod and plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. Archaeologists encountered a moderate density of artifacts from throughout the level including metal, brick, glass, ceramic, slag/clinker, and possible chert flakes.

*"The geophysical survey indicated an anomaly in the middle of the lot...we are thinking it will be an out building of some sort."*

- Allison Azzarello [UIUC student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.8214 ft amsl and average closing elevation is 765.3720 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. Archaeologists found artifacts throughout the level at a higher density than the previous level. The team recovered artifacts including bone, brick, metal, ceramic, glass, mortar, slag/clinker and possible chert flakes.

*"The soil is still very dry and compact and in some areas is strangely soft and loose"*

- Kim Eppler [NSF-REU student]

Archaeologists began Level A3a as a 0.5 ft arbitrary level. A large ceramic sherd was found at 1.3 ft below the surface and Level A3a was terminated at this time because it was believed to be the bottom of the plow zone. Level A3a's average opening elevation is 765.3720 ft amsl and average closing elevation is 765.0556 ft amsl. Level A3a is a buried plowzone and is 10YR 2/2 (very dark brown) sandy clay loam. The team encountered artifacts throughout the level including brick, metal, slag/clinker, ceramic, glass, possible chert flakes and charcoal.

*"Found a pretty big piece of stoneware indicating that we reached the undisturbed."*

- Megan Volkel [NSF-REU student]

Archaeologists began Level A3b as a continuation of the 0.5 ft arbitrary level started in Level A3a. The level was designated A3b because the team did not notice a soil change. Level A3b's average opening elevation is 765.0556 ft amsl and average closing elevation is 764.8806 ft amsl. Level A3b is a buried plow zone and is mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50% clayey loam. At the base of Level A3b, an area of clay was noticed in the northeast corner. Archaeologists encountered a low density of artifacts, only 1 piece of clinker/slag was retrieved from the level. Archaeologists mapped soil changes in the plan view.

*"Today the morning weather was really overcast and that was the first time I called an overcast sky a beautiful day."*

-Michael Collart [UIUC student]

Archaeologists excavated Level A4 as a 0.5 ft arbitrary level. The team excavated Level A4 in the northwest quadrant of Excavation Unit 1 to explore possible buried strata. Level A4's average opening elevation is 764.8806 ft amsl and average closing elevation is 764.3968 ft amsl. Archaeologists determined that this level is subsoil and mottled: 10YR 4/4 (dark yellowish brown) 50% and 10YR 3/2 (very dark grayish brown) 50% clayey loam. No artifacts were recovered from this level. The team ceased excavation due to lack of artifacts and features. They found no indication of the source of the soil anomaly presented by geophysical survey was detected. The profiled the north wall.

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**BLOCK 3 LOT 5  
EXCAVATION UNIT 1 (N60 E10)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10 YR 3/2	SANDY CLAY LOAM	766.2005 ft	765.8214 ft	Located in the topsoil, Level A1 yielded ceramic, brick, glass, metal, slag/clinker, and possible chert flakes. Artifacts are found throughout the level.
I	A2	PLOW ZONE	10 YR 3/2	SANDY CLAY LOAM	765.8210 ft	765.3720 ft	Level A2 is plow zone. Artifacts were recovered throughout the level at a higher density than the previous level and included ceramic, brick, glass, metal, slag/clinker, charcoal, mortar and possible chert flakes
I	A3a	BURIED PLOW ZONE	10YR 2/2	SANDY CLAY LOAM	765.3720 ft	765.0556 ft	The amount of artifacts decreases in this level. Artifacts recovered include ceramic, glass, brick, charcoal, metal possible chert flakes and slag/clinker.
I	A3b	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10YR 4/3	CLAYEY LOAM	765.0556 ft	764.8806 ft	Transitioning from plow zone to sub soil, Level A3b yielded only one piece of slag/clinker.
B	A4	SUB SOIL	MOTTLED: 10YR 4/4 10YR 3/2	CLAYEY LOAM	764.8806 ft	764.3968 ft	Determined to be sterile subsoil, Level A4 yielded no artifacts. Excavation was terminated due to lack of artifacts and/or features.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 5**

Allison Azzarello, Michael Collart, Kimberly Eppler, LaShara Morris, Megan Volkel and  
Dr. Terrance Martin

### **Excavation Unit 2 (N75 E15)**

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 2 in order to investigate the source of the soil anomaly detected in the area by electrical resistivity. The team placed the unit where it might encounter the north edge of the anomaly. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 765.8898 ft above median sea level (amsl) and average closing elevation is 765.5920 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy loam. The team recovered artifacts from throughout the level, which included a shell, metal, glass, charcoal, brick, ceramic, clinker/slag and mortar. Rock and iron inclusions on the floor of this level are visible in the plan view.

*“Anna Agbes-Davis dug with our group today. It was exceptionally nice to have someone of her expertise on our team for a day.”*

-Kim Eppler [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.5920 ft amsl and average closing elevation is 765.0988 ft amsl. Level A2 is a buried plow zone and is 10YR 3/1 (very dark gray) sandy loam. A scattered layer of buried sod became visible in the walls of this level. The team encountered 10% fieldstone inclusions in this level. Archaeologists found artifacts throughout the level that included brick, glass, ceramics, mortar, clinker/slag and metal. The team noticed that artifacts in this level appear larger and more intact than in the previous level. Archaeologists mapped the rock and brick inclusions at the base of this level in the plan view.

*We haven't found much in the way of features yet, but artifacts in the plow zone are plentiful.”*

-Michael Collart [UIUC student]

Archaeologists began excavation Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 765.0988 ft amsl and average closing elevation is 764.6514 ft amsl. Level A3 is a buried plow zone and is mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/2 (dark grayish brown) 50% sandy clay loam. The west half of the unit appeared to retain more moisture. This difference in soil is noted in the plan view. Archaeologists also observed a rodent burrow visible in the west profile. The team recovered artifacts from throughout the level, including ceramics, mortar, glass, slag/clinker, and metal. Archaeologists ended excavation due to the lack of archeological features and lower density of artifacts. The team profiled the west wall.

*“We just finished Level A3! Yey! We used the trowel for most of the level, aiming to take caution just in case we discovered a feature. Unfortunately, we did not.”*

*-LaShara Morris [NSF-REU student]*



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**BLOCK 3 LOT 5  
EXCAVATION UNIT 2 (N75 E15)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10 YR 3/2	SANDY LOAM	765.8898 ft	765.5820 ft	Artifacts were recovered from throughout Level A1, including glass, metal, charcoal, clinker/slag, ceramics, brick, mortar, and a shell.
I	A2	BURIED PLOW ZONE	10YR 3/1	SANDY LOAM	765.5820 ft	765.0988 ft	Artifact density increases in Level A2, where the archaeologists recovered ceramic, metal, brick, glass, mortar, and clinker/slag.
I	A3	BURIED PLOW ZONE	MOTTLED: 10 YR 3/2 10 YR 4/2	SANDY CLAY LOAM	765.0988 ft	764.6514 ft	Level A3 yielded a much lower density of artifacts. Archaeologists recovered glass, ceramic, metal, mortar, and clinker/slag. Excavation was halted at this time due to lack of features and low density of artifacts.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 5**

Kimberly Eppler, Megan Volkel, LaShara Morris, Allison Azzarello, Michael Collart, and Dr. Terrance Martin

### **Excavation Unit 3 (N65 E15)**

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 3 to investigate anomalies recorded in the 2005 geophysical survey. Also, the team excavated Unit 3 in order to explore an anomaly registered by the geophysical survey. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 765.9506 ft above median sea level (amsl) and average closing elevation is 765.6614 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy loam. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, clinker/slag, charcoal, glass, possible chert flakes, and one snail shell. The team collected representative samples of clinker/slag and charcoal.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.6614 ft amsl and average closing elevation is 765.0598 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. The team noticed softer soil in the southeast quadrant that was sandy clay mottled: 10YR 5/2 (grayish brown) 50% and 10YR 2/2 (very dark brown) 50%. Archaeologists found artifacts throughout the unit that included brick, glass, ceramics, charcoal, metal, clinker/slag, and possible chert flakes. The team collected representative samples of charcoal and chert.

*"I noticed that in EU 3 that in level A2 there are a lot more rocks and pieces of brick than were in the previous level."*

- Kim Eppler [NSF-REU student]

*"According to what we found I believe we are coming down on feature."*

- Allison Azzarello [UIUC student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 765.0598 ft amsl and average closing elevation is 764.6280 ft amsl. Level A3 is a buried plow zone and is sandy clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 5/6 (yellowish brown) 50%. Archaeologists found artifacts throughout the unit that included metal, brick, clinker/slag, charcoal, possible chert flakes, mortar, and glass. The team collected a representative sample of charcoal. At the base of Level A3, the team noticed a darker square soil stain feature in the center of the unit. Archaeologists determined the soil stain to be Feature 8. Feature 8 is composed of 10YR 3/1 (very dark gray) loam. After the completion of Level A3, archaeologists identified Feature 8 surrounded by subsoil in Excavation Unit 3. They profiled the west wall and mapped Feature 8 on the planview of Level A3.

*“At the bottom of A3, what I thought was a feature is very obviously a dark gray square this much less compact than the soil around it.”*

- Kim Eppler [NSF-REU student]

*“After lunch, Kim was shoveling out the unit when she found a square area of soil in the north, but near the center of the unit. This may be a rotted fence or house post.”*

- Allison Azzarello [UIUC student]

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**BLOCK 3 LOT 5  
EXCAVATION UNIT 3 (N65 E15)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/2	SANDY CLAY LOAM	765.9506 ft	765.6614 ft	Located in the topsoil, Level A1 yielded refined earthenware, metal, and glass. Artifacts are found throughout level.
I	A2	PLOW ZONE	10YR 3/2 10YR 5/2 10YR 2/2	SANDY CLAY LOAM	765.6614 ft	765.0598 ft	Level A2 is plow zone. Artifacts were recovered throughout the unit including refined earthenware, glass, charcoal, and metal.
I	A3	BURIED PLOW ZONE	10YR 3/2 10YR 5/6 FEATURE 8: 10YR 3/1	SANDY CLAY LOAM	765.0589 ft	764.6280 ft	Level A2 is a buried plow zone. Less artifacts were recovered than Level A2, including throughout the unit including metal, brick, and glass. Feature 8 appears in the center of the unit at this level.

# **New Philadelphia Feature 8 Summary Form**

## **Block 3 Lot 5**

Kimberly Eppler, Megan Volkel, LaShara Morris, Allison Azzarello, Michael Collart, and Dr. Terrance Martin

### **Excavation Unit 3 (N65 E15)**

Feature 8 consists of a dark soil stain in Block 3 Lot 5 Excavation Unit 3. Archaeologists first encountered Feature 8 as a square soil stain in the center of Excavation Unit 3. Feature 8 is a basin-like soil stain and has dimensions of 0.85 ft by 0.9 ft. Feature 8 has an elevation of 764.6448 ft above median sea level (amsl) and is 10YR 3/1 (very dark gray) loam. The surrounding subsoil is silty clay mottled: 10YR 5/6 (yellowish brown), 5YR 5/8 (yellowish red), and 7YR 3/4 (dark brown).

Archaeologists bisected the west half of Feature 8 in a north-south direction. Level a1 was excavated as a 0.5 arbitrary level. Level a1 has an opening elevation of 764.6448 ft amsl and a closing elevation 764.104 ft amsl. Level a1 is 10YR 3/1 (very dark gray) loam. At .75 below the top of the feature, the team recovered a corroded piece metal from the south edge. The team collected a 9 L soil sample from the level.

*“The highly corroded state of this nail (if that is indeed what it is) compared to the relatively intact state of the nails found throughout the Unit and Block leads me to believe that it is much older.”*

- Kim Eppler [NSF-REU student]

Level a2 was excavated as a 0.5 arbitrary level and has base dimensions of .25 ft by .65 ft. Level a2 has an opening elevation of 764.1064 ft amsl and a closing elevation 763.8122 ft amsl. Level a2 is 10YR 3/1 (very dark gray) loam. The team did not recover any artifacts from Level a2. As depth increased, Feature 8’s dimensions decreased. After excavating .2 ft of Level a2, Feature 8 ceased to be visible. The team collected a 9 L soil sample from the level. Based on the dimensions, shape, texture, and recovered artifacts, Feature 8 is most likely to be a post-hole mold.

*“As the depth increased, the width and length of the feature decreased and it eventually bottomed out at 0.7 inches below the floor of A3.”*

- Kim Eppler [NSF-REU student]

**BLOCK 3 LOT 5  
EXCAVATION UNIT 3 (N65 E15)  
FEATURE 8**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	F8a1	10YR 3/1	LOAM	764.6448 ft	764.1040 ft	Level a1 is a bisect of Feature 8's west half. Only one artifact, a piece of metal from the south edge of the feature was recovered.
I	F8a2	10YR 3/1	LOAM	764.1040 ft	763.8122 ft	Level A2 is a arbitrary 0.5 ft level. No artifacts were recovered from this level and Feature 8 is no longer visible 0.2 ft into this level.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 5**

Kimberly Eppler, Megan Volkel, LaShara Morris, Allison Azzarello, Michael Collart, and  
Dr. Terrance Martin

### **Excavation Unit 4 (N70 E10)**

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 3 to investigate anomalies recorded in the 2005 geophysical survey. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 766.1252 ft above median sea level (amsl) and average closing elevation is 765.7384 ft amsl. Level A1 is plow zone and is 10YR 3/1 (very dark gray) sandy loam. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, clinker/slag, glass, possible chert flakes, and mortar.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.7384 ft amsl and average closing elevation is 765.2438 ft amsl. Level A2 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. Archaeologists recovered a higher density of artifacts throughout the unit in this level than the previous level and included brick, glass, ceramics, metal, clinker/slag, possible chert flakes and 2 synthetic wires.

*"In A2, we have found a couple pieces of metal that are around 4 to 6 inches long."*

- Megan Volkel [NSF-REU student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 765.2438 ft amsl and average closing elevation is 764.791 ft amsl. Level A3 is a gradual transition from a buried plow zone to sub soil that starts at approximately 1.1 ft below the ground surface and is sandy clay mottled: 10YR 2/2 (very dark brown) 50% and 10YR 4/4 (dark yellowish brown) 50%. Archaeologists found artifacts throughout the unit that included metal, brick, clinker/slag, ceramics, possible chert flakes, mortar, and glass. Excavations were halted at this point due to low density of artifacts and absence of detectable features. They profiled the west wall.

*"The soil is still unevenly rock-hard and pillow-soft. Megan and I are still attacking it though."*

- LaShara Morris [NSF-REU student]

**NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS  
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**BLOCK 3 LOT 5  
EXCAVATION UNIT 4 (N70 E10)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10YR 3/1	SANDY LOAM	766.1252 ft	765.7384 ft	Located in the topsoil, Level A1 yielded glass, ceramic, brick, metal, clinker/slag, mortar and possible chert flakes. Artifacts are found throughout level.
I	A2	BURIED PLOWZONE	10YR 3/2	SANDY CLAY LOAM	765.7384 ft	765.2438 ft	Level A2 is a buried plow zone. Artifacts were recovered throughout the unit and were a higher density than Level 1 and included glass, metal, ceramic, slag/clinker, brick, synthetic wire and possible chert flakes.
B	A3	BURIED PLOWZONE/ SUBSOIL	MOTTLED: 10YR 2/2 10YR 4/4	SANDY CLAY	765.2438 ft	764.791 ft	Artifacts decrease in this level. They included glass, ceramic, metal, brick, mortar and clinker/slag. Excavations halted at this level due to lack of artifacts and/or features.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 5**

Kimberly Eppler, Megan Volkel, LaShara Morris, Allison Azzarello, Michael Collart, and Dr. Terrance Martin

### **Excavation Unit 5 (N70 E20)**

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 3 to investigate anomalies recorded in the 2005 geophysical survey. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 765.7738 ft above median sea level (amsl) and average closing elevation is 765.5022 ft amsl. Level A1 is plow zone and is 10YR 2/2 (very dark brown) sandy loam. The unit is positioned on a slope and the east side of the unit was 0.5 ft below the datum point (southwest corner) prior to any excavation. The team recovered artifacts from throughout the unit, which included brick, clinker/slag, metal, glass, slate, and ceramics (including one body fragment with a maker's mark).

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.5022 ft amsl and average closing elevation is 765.0004 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy clay loam. Archaeologists found artifacts throughout the unit that included brick, glass, ceramics, charcoal, metal, clinker/slag, and possible chert flakes. They also encountered a high density of charcoal and brick in Level A2. The team collected representative samples of brick, charcoal and slag.

*“There were a number of ceramic pieces including a large reddish piece that looked like brick at first, but then, through closer inspection, it turned out that parts of the piece had glaze on them.”*

- Allison Azzarello [UIUC student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 765.0004 ft amsl and average closing elevation is 764.5502 ft amsl. Level A3 is plow zone and is sandy clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/4 (dark yellowish brown) 50%. Archaeologists found artifacts throughout the unit that included metal, brick, clinker/slag, charcoal, ceramic, slate, one faunal tooth, mortar, and glass. They also encountered a change in soil moisture and color in the northeast portion of the north wall. This soil change is suspected to be a rodent burrow containing sod inclusions visible in the north wall. Archaeologists discontinued excavations due to the low density of artifacts and absence of detectable features. They profiled the north wall.

*“When we did the artifact count, the density of brick was higher than in any of the levels in the other units.”*

- Allison Azzarello [UIUC student]

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**BLOCK 3 LOT 5  
EXCAVATION UNIT 5 (N70 E20)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10YR 2/2	SANDY LOAM	765.7738 ft	765.5022 ft	Located in the topsoil, Level A1 yielded slag/clinker, brick, slate, metal, ceramic, and glass. Artifacts are found throughout level.
I	A2	PLOW ZONE	10YR 3/2	SANDY CLAY LOAM	765.5022 ft	765.0004 ft	Level A2 is plow zone. Artifacts were recovered throughout the unit including slag/clinker, brick, metal, ceramic, glass, mortar, charcoal and possible chert flakes.
I	A3	PLOWZONE	MOTTLED:1 10YR 4/4 10YR 3/2	SANDY CLAY	765.0004 ft	764.5502 ft	Artifacts decrease in this level. They included clinker/slag, brick, metal ceramic, glass, slate, charcoal, slate, and one faunal tooth.

# **New Philadelphia Excavation Unit Summary Form**

## **Block 3 Lot 5**

Allison Azzarello, Michael Collart, Kimberly Eppler, LaShara Morris, Megan Volkel and  
Dr. Terrance Martin

### **Excavation Unit 6 (N55 E15)**

Archaeologists began the excavation of Block 3 Lot 5 Excavation Unit 6 in a final attempt to investigate the source of the soil anomaly detected in the area by electrical resistivity. The unit was placed where it might encounter the southern edge of the anomaly. The team excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 766.1380 ft above median sea level (amsl) and average closing elevation is 765.7636 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) sandy loam. A layer of buried sod became visible in the walls of this level. The team recovered artifacts from throughout the level, which included metal, glass, charcoal, brick, ceramic, clinker/slag and possible chert flakes.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 765.7636 ft amsl and average closing elevation is 765.2020 ft amsl. Level A2 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) sandy loam. Artifacts are at a higher density in this level than in Level A1. Archaeologists found artifacts throughout the level that included brick, glass, ceramics, possible chert flakes, clinker/slag and metal.

*"On EU 6, the soil is coming up pretty well because we soaked it the day before. We finished A1 and almost reached the bottom of A2."*

- Megan Volkel [NSF-REU student]

Archaeologists began excavation Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 765.2020 ft amsl and average closing elevation is 764.9730 ft amsl. Level A3 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) sandy loam. The team recovered artifacts from throughout the level, including ceramics, mortar, glass, slag/clinker, metal, brick, charcoal and faunal bones. Archaeologists discontinued excavation at 1.3 ft below the surface due to the appearance of a soil stain, deemed Feature 10. Feature 10 is a mixture of ash, sand, and charcoal and is 10YR 6/3 (pale brown). Archaeologists mapped Feature 10 and its associated metal inclusions on the plan view of the level. They profiled the south wall.

*"The Feature, #10, was a concentration of ash and charcoal, along with a stone and some sort of metal wire in the SE corner of our unit."*

- LaShara Morris [NSF-REU student]

*"Today we found a feature! It was exposed around 1.3 ft deep. The soil became very ashy with chunks of charcoal intermixed."*

- Megan Volkel [NSF-REU student]

## **Feature 10**

Feature 10 encompasses a 3.4 ft (NW-SE) by 1.3 ft (SW-NE) area in the southeast quadrant of Block 3 Lot 5 Excavation Unit 6. Feature 10 is 10YR 6/3 (pale brown) sandy ash and loam. It is an oval-shaped soil stain that consists of ash, sand and bits of charcoal oriented from northwest to southeast with large metal inclusions on the south end of the feature. The feature seems to extend into the southeastern wall of Excavation Unit 6. The feature was mapped, bisected and profiled by the team. Due to the end of the field school, archaeologists ended the excavation of Excavation Unit 6 and Feature 10.

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**BLOCK 3 LOT 5  
EXCAVATION UNIT 6 (N55 E15)**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	A1	SOD LAYER/ PLOW ZONE	10 YR 3/2	SANDY LOAM	766.1380 ft	765.7636 ft	Artifacts were recovered from throughout Level A1, including glass, metal, charcoal, clinker/slag, ceramics, brick, and possible chert flakes.
I	A2	BURIED PLOW ZONE	10YR 3/2	SANDY LOAM	765.7636 ft	765.2020 ft	Artifact density increases in Level A2, where the archaeologists recovered ceramic, metal, brick, glass, clinker/slag, and possible chert flakes.
I	A3	BURIED PLOW ZONE	FEATURE10: 10YR 6/3 SURROUND- ING MATRIX: 10 YR 32	SANDY LOAM AND ASH	765.2020 ft	764.9730 ft	Level A3 yielded glass, ceramic, metal, mortar, brick, faunal bone, charcoal and clinker/slag. Excavation of this level is halted as the appearance of Feature 10 occurs.



**New Philadelphia  
Feature 10 Summary Form**

**Block 3 Lot 5**

Allison Azzarello, Michael Collart, Kimberly Eppler, LaShara Morris, Megan Volkel and  
Dr. Terrance Martin

**Excavation Unit 6 (N55 E15)**

Feature 10 encompasses a 3.4 ft (NW-SE) by 1.3 ft (SW-NE) area in the southeast quadrant of Block 3 Lot 5 Excavation Unit 6. Feature 10 is 10YR 6/3 (pale brown) sandy ash and loam. It is an oval shaped soil stain that consists of ash, sand and bits of charcoal oriented from northwest to southeast with large metal inclusions on the south end of the feature. The feature seems to extend into the southeast wall of Excavation Unit 6.

Level F10,a1 is a 1.5 ft by 0.2 ft bisect of the feature that extends 0.5 ft below the floor of Level A3. Level F10,a1's average opening elevation is 764.9730 ft amsl and average closing elevation is 764.7360 ft amsl. Ten liters of soil were obtained from the west half of Feature 10 for soil flotation. The team recovered only two artifacts while taking the soil sample, one machine cut nail and one wire cut nail. The bottom of Feature 10 on the northwestern end has an irregular bottom, sloping deeper toward the southeast section. The fill is sandy with ash and charcoal, but also includes darker loam soil. The feature ceased to be visible in profile at 0.4 ft below the floor of A3. This feature is proposed to be an early to mid-twentieth century burned refuse pit and may be the source of the geophysical anomaly. Archaeologists profiled the bisect of Feature 10. Due to the end of the 2005 field school, Feature 10 could not be further investigated.

**BLOCK 3 LOT 5  
EXCAVATION UNIT 6 (N55 E15)  
FEATURE 10**

<b>MEGA STRAT</b>	<b>LEVEL</b>	<b>STRATUM</b>	<b>MUNSELL</b>	<b>TEXTURE</b>	<b>OPENING ELEV. AMSL</b>	<b>CLOSING ELEV. AMSL</b>	<b>DESCRIPTION</b>
I	F10,a1	BURIED PLOW ZONE	10YR 6/3	ASHY SAND	764.9730 ft	764.7360 ft	Feature 10 is an oval-shaped stain filled with ash, sand and bits of charcoal with large metal inclusions around the southeastern edge. It is presumed to be an early to mid-twentieth century burned refuse pit.

