

New Philadelphia Excavation Unit Summary Form

Block 8 Lot 4

Jordan Bush, Shannique Gibson, Emily Helton, Hannah Mills, and Carrie Christman

Excavation Unit 4 (N60 E30)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 4 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 4 is the excavation unit to the east of Block 8 Lot 4 Excavation Unit 2. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.6674 ft above median sea level (amsl) and average closing elevation is 767.3966 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, slag, and glass. They collected representative samples of brick and slag.

“And I found the first piece of whiteware in Unit 4 Level A1.”

- Shannique Gibson [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.3966 ft amsl and average closing elevation is 766.9176 ft amsl. Level A2 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. Archaeologists found artifacts throughout the unit that included glass, slag, ceramics, mortar, metal, and possible chert flakes. The team collected samples of mortar and slag.

“I found a large piece of white and blue porcelain.”

- Jordan Bush [volunteer]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 766.9176 ft amsl and average closing elevation is 766.3956 ft amsl. Level A3 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) silty clay. The team encountered 30% brick, mortar, and rock inclusions throughout the unit. They recovered artifacts from throughout the unit, including slag, ceramics, one button, brick, mortar, glass, metal, and 1 possible chert flake. The team collected representative samples of brick, slag, and mortar. Level A3 also has heavy inclusions of fieldstone, mortar, and brick throughout the unit. At 1.4 ft, a circular charcoal stain appeared in the southeast quadrant of the unit and the team mapped the circular charcoal stain along with a heavy concentration of mortar in the southwest quadrant. Archaeologists also mapped the fieldstone, mortar, and brick on the planview when Level A3 was completed as a 0.5 level arbitrary level. The fieldstone, mortar, and brick inclusions have a heavier concentration in the west half of the unit. After the completion of Level A3, archaeologists identified Feature 4 in Block 8 Lot 4 Excavation Unit 4 and discontinued excavation of the unit.

“This level is full of mortar, brick, and rocks.”

- Jordan Bush [volunteer]

“Team Y found a button, glass, and ceramics at Unit 4.”

- Shannique Gibson [NSF-REU student]

Feature 4

Feature 4 encompasses the entirety of Excavation Unit 4 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 4 are 5.0 ft by 5.0 ft. The high density of brick, mortar, and rock inclusions encountered during the excavation of the unit on top of Feature 4 is consistent with Block 8 Lot 4 Excavation Units 1, 2, and 3. Feature 4 continues into the north, south, and east walls. The team profiled the north, south, and east walls. Archaeologists further investigated Feature 4 by opening up excavation units to the north, east, and south of Excavation Unit 4.

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**BLOCK 8 LOT 4
EXCAVATION UNIT 4 (N60 E30)**

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	767.6674 ft	767.3966 ft	Located in the topsoil, Level A1 yielded refined earthenware and glass sherds mixed with samples of brick and slag. Artifacts are found throughout level.
I	A2	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10 YR 4/3	SILTY CLAY	767.3966 ft	766.9176 ft	Level A2 is a buried plow zone. Historic artifacts were recovered throughout the entire unit including larger amounts of glass and ceramics.
III	A3	BURIED PLOW ZONE	10 YR 3/2	SILTY CLAY	766.9176 ft	766.3956 ft	Artifacts increase in this level, especially refined earthenware. Numerous large bricks, rocks, and mortar mapped in place. Feature 4 lies across entire base of this level.

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Excavation Unit 5 (N55 E25)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 5 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 5 is the excavation unit to the south of Block 8 Lot 4 Excavation Unit 2. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.9702 ft above median sea level (amsl) and average closing elevation is 767.4756 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, slag, and glass. They collected representative samples of brick, mortar, and slag.

"Found a dead mole in pool on top of tarp over site. Removed tarp with only slight spillage into site."

- Emily Helton [NSF-REU student]

"The ground is really dry and hard today, so we have to keep spraying it with water."

- Hannah Mills [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.4756 ft amsl and average closing elevation is 767.036 ft amsl. Level A2 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. Archaeologists found artifacts throughout the unit that included brick, glass, slag, ceramics, mortar, and metal. The team collected samples of mortar, brick, and slag.

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.036 ft amsl and average closing elevation is 766.5958 ft amsl. Level A3 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from mainly the north half of the unit, including a pipe bowl, slag, ceramics, bone, glass, metal. The team collected representative samples of slag. Level A3 also has heavy inclusions of fieldstone and mortar in the north half of the unit. Archaeologists also mapped the fieldstone, mortar, and brick on the planview of Level A3 was completed as a 0.5 level arbitrary level. After the completion of Level A3, archaeologists identified Feature 4 in the north half of Block 8 Lot 4 Excavation Unit 4 and discontinued excavation of the unit.

“First, in Level A3, we found a white pipe bowl.”

- Hannah Mills [NSF-REU student]

“We found a pipe! The bowl of one anyway. Hannah found it on the northern edge, NE corner almost. All along that edge, I found a lot of metal and some larger ceramic pieces.”

- Emily Helton [NSF-REU student]

Feature 4

Feature 4 is a soil stain in the north half of Excavation Unit 5 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the south half of the unit is 10YR 5/4 (yellowish brown) silty clay. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 5 are 5.0 ft by 3.5 ft. Feature 4 continues into the east and west walls. The team profiled the east, west, and south walls. Archaeologists further investigated Feature 4 by opening up excavation units to the east and west of Excavation Unit 5.

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**BLOCK 8 LOT 4
EXCAVATION UNIT 5 (N55 E25)**

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	767.9702 ft	767.4756 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, and metal. Archaeologists sampled brick, slag, and mortar. Artifacts are found throughout level.
I	A2	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10 YR 4/3	SILTY CLAY	767.4756 ft	767.0360 ft	Level A2 is a buried plow zone. Fewer artifacts were recovered throughout the unit.
III	A3	BURIED PLOW ZONE	FEATURE 4: 10YR 3/2 SURROUND- ING MATRIX: 10YR 5/4	SILTY CLAY	767.0360 ft	766.5958 ft	Artifacts increase in this level, especially refined earthenware and metal. A pipe was recovered from the northeast quadrant. Feature 4 appears in the north half of this level.

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Excavation Unit 6 (N62.5 E25)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 6 to further define the boundaries of Feature 4. Excavation Unit 6 is the excavation unit to the north of Block 8 Lot 4 Excavation Unit 2. The unit is a 5.0 ft by 2.5 ft excavation unit. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.8184 ft above median sea level (amsl) and average closing elevation is 767.4642 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included ceramics, metal, and slag. They collected representative samples of slag.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.4642 ft amsl and average closing elevation is 767.0286 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) silty clay. Archaeologists found artifacts throughout the unit that included glass, slag, one ceramic, metal, and one possible chert flake. The team collected samples of slag.

"Today, Archaeology Magazine came to the site. Our Block 8 Lot 4 units looked really nice and professional."

- Hannah Mills [NSF-REU student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.0286 ft amsl and average closing elevation is 766.5690 ft amsl. Level A3 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. The team encountered 40% brick, mortar, and rock inclusions mainly in the west half of the unit. Archaeologists mapped the fieldstone, mortar, and brick on the planview of Level A3. The team recovered artifacts from throughout the unit, including mortar, ceramics, glass, metal, brick, and one possible chert flake. The team collected representative samples of brick and mortar.

"Jordan and I photographed Unit 6, Level A3 this morning and then mapped the rubble in the unit. We then began A4 in search of the feature."

- Hannah Mills [NSF-REU student]

Archaeologists began Level A4 as a 0.5 ft arbitrary level. Level's A4's average opening elevation is 766.5690 ft amsl and average closing elevation is 766.2506 ft amsl. Level A4 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3

(brown) 50%. The team encountered 40% brick, mortar, and rock inclusions throughout the unit. Archaeologists mapped the fieldstone, mortar, and brick on the planview for Level A4. The team recovered artifacts from throughout the unit, including mortar, ceramics, glass, metal, brick, and one possible chert flake. The team collected representative samples of brick and mortar. After the completion of Level A4, archaeologists identified Feature 4 in Block 8 Lot 4 Excavation Unit 4 and discontinued excavation of the unit.

“Feature 4 appears to run into the northern wall of our unit at a northeastern angle. It appears we will need to excavate the northern half of our unit in order to follow the feature.”

- Jordan Bush [volunteer]

Feature 4

Feature 4 encompasses almost the entirety of Excavation Unit 6 Level A4. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. Feature 4 is a soil stain in the north half of Block 8 Lot 4 Excavation Unit 4 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the northwest corner of the unit is 10YR 5/4 (yellowish brown) silty clay. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 5 are 2.5 ft by 5 ft. Feature 4 continues into the north and east walls. The team profiled the north and east walls. Archaeologists further investigated Feature 4 by opening up excavation units to the north and east of Excavation Unit 6.

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EXCAVATION UNIT 6 (N55 E25)**

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	767.8184 ft	767.4642 ft	Located in the topsoil, Level A1 yielded refined earthenware and metal. Archaeologists sampled slag. Artifacts are found throughout level.
I	A2	PLOW ZONE	10 YR 3/2	SILTY CLAY	767.4642 ft	767.0286 ft	Level A2 is plow zone. Fewer artifacts were recovered throughout the unit.
III	A3	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10 YR 4/3	SILTY CLAY	767.0286 ft	766.5958 ft	Level A3 is a buried plow zone. Artifacts increase in this level, especially metal. Heavy rock and mortar inclusions appear in the west half of the unit.
III	A4	BURIED PLOW ZONE	FEATURE 4: 10YR 3/2 SURROUND- ING MATRIX: 10YR 5/4	SILTY CLAY	766.5958 ft	766.2506 ft	Artifacts increase in this level. Archaeologists sampled metal, mortar, and brick. Feature 4 lies at the base of this level.

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Excavation Unit 7 (N55 E20)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 7 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 7 is the excavation unit to the west of Excavation Unit 5. The unit is 2.5 ft by 5 ft, shortest along its northern edge. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 768.1438 ft above median sea level (amsl) and average closing elevation is 767.714 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included bone, mortar, ceramics, metal, possible chert flake, slag, and glass. They collected representative samples of mortar and slag.

"We found a couple of nails, an odd piece of ceramic, some other ceramics, and a possible microblade."

- Emily Helton [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.714 ft amsl and average closing elevation is 767.2824 ft amsl. Level A2 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. Archaeologists found artifacts throughout the unit that included brick, glass, slag, ceramics, mortar, and metal. The team collected samples of mortar, brick, and slag.

"Later, senior citizens from a nursing home (Barry Community Care Center) stopped by to visit the site."

- Shannique Gibson [NSF-REU student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.2824 ft amsl and average closing elevation is 766.756 ft amsl. Level A3 is a buried plow zone and silty loam mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from throughout the unit, including, ceramics, mortar, brick, glass, and metal. The team collected representative samples of mortar and brick.

"We found a largish piece of yellowware, potentially from the 1840's."

- Emily Helton [NSF-REU student]

"Then, Sandra McWorter came by the site to see our progress."

- Shannique Gibson [NSF-REU student]

Archaeologists began excavation of Level A4 as a 0.5 ft arbitrary level. Level A4's average opening elevation is 766.756 ft amsl and average closing elevation is 766.5678 ft amsl. Level A4 is subsoil and is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from throughout the unit, including, mortar, brick, and metal. The team collected representative samples of mortar and brick. Excavation of Level A3 was discontinued upon reaching the surrounding matrix of Feature 4 as the team concluded that Feature 4 is not in Excavation Unit 7. After excavating .25 feet of Level A4 the team ended excavation of Excavation Unit 7. The team profiled the south and west walls.

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**BLOCK 8 LOT 4
EXCAVATION UNIT 7 (N55 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	768.1438 ft	767.714 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, a possible chert flake, bone, and metal. Archaeologists sampled slag and mortar. Artifacts are found throughout the level.
I	A2	BURIED PLOW ZONE	10 YR 3/2	SILTY LOAM	767.714 ft	767.2824 ft	Level A2 is a buried plow zone. Artifacts were recovered throughout the level, including glass, ceramic and metal. Archaeologists sampled slag, brick, and mortar.
III	A3	BURIED PLOW ZONE	MOTTLED: 10 YR 3/2 10 YR 4/3	SILTY LOAM	767.2824 ft	766.756 ft	The amount of metal and ceramics increases in this level, while the amount of glass decreases.
III	A4	BURIED PLOW ZONE	MOTTLED: 10 YR 4/3 10 YR 5/4	SILTY CLAY	766.756 ft	766.5678 ft	Excavation was halted as a soil change was observed as subsoil was reached. Feature 4 is not in Block 8 Lot 4 Excavation Unit 7.

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Excavation Unit 8 (N60 E32.5)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 6 to further define the boundaries of Feature 4. Excavation Unit 8 is the excavation unit to the east of Block 8 Lot 4 Excavation Unit 4. The unit is a 2.5 ft by 5 ft excavation unit. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.4388 ft above median sea level (amsl) and average closing elevation is 767.0520 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included ceramics, metal, and glass.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.4388 ft amsl and average closing elevation is 766.5436 ft amsl. Level A2 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 40%, 10YR 4/3 (brown) 40%, and 10YR 5/4 (yellowish brown) 20%. Archaeologists found artifacts throughout the unit that included glass, metal, ceramics, brick, bone, and mortar. The team collected samples of mortar and brick.

"In the artifacts from Carrie's unit (8, A2), I saw a bit of ceramic that might match one from Unit 9, A2."

- Emily Helton [NSF-REU student]

Archaeologists began Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 766.5436 ft amsl and average closing elevation is 766.3944 ft amsl. Level A3 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 40%, 10YR 4/3 (brown) 40%, and 10YR 5/4 (yellowish brown) 20%. The team recovered ceramics from throughout the unit. After 1.2 ft, the team encountered Feature 4 in the southwest quadrant and discontinued excavation of the unit.

"Carrie and Emily finished Unit 8 because they found the feature."

- Hannah Mills [NSF-REU student]

Feature 4

Feature 4 is a soil stain in the southwest quadrant of Excavation Unit 8 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the unit is silty clay mottled 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. Feature 4's dimensions in Excavation Unit 8 are 0.5 ft by 1.0 ft. Feature 4 continues into Block 8 Lot 4 Excavation Unit 4. The team profiled the north and south walls.

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**BLOCK 8 LOT 4
EXCAVATION UNIT 8 (N60 E32.5)**

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	767.4388 ft	767.0520 ft	Located in the topsoil, Level A1 yielded refined earthenware and glass. Artifacts are found throughout level.
III	A2	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10 YR 4/3 10YR 5/4	SILTY CLAY	767.0520 ft	766.5436 ft	Level A2 is a buried plow zone. Fewer artifacts were recovered throughout the unit.
III	A3	BURIED PLOW ZONE	FEATURE 4: 10YR 3/2 SURROUND- ING MATRIX: 10YR 5/4 10YR 3/2 10 YR 4/3	SILTY CLAY	766.5436 ft	766.3944 ft	Artifacts are sparse in this level, except for some recovered ceramics. Feature 4 appears in the southwest quadrant of the unit.

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Excavation Unit 9 (N55 E30)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 9 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 9 is the excavation unit to the south of Block 8 Lot 4 Excavation Unit 5. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.768 ft above median sea level (amsl) and average closing elevation is 767.3856 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included a possible chert flake, ceramics, metal, mortar, slag, and glass. They collected representative samples of mortar and slag.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.3856 ft amsl and average closing elevation is 767.009 ft amsl. Level A2 is a buried plow zone and is silty loam mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. Archaeologists found artifacts throughout the unit that included brick, glass, slag, ceramics, a possible chert flake, mortar, and metal. The team collected samples of mortar, brick, and slag.

"We all seek the white whale, Feature 4.

- Emily Helton [NSF-REU student]

Archaeologists began excavation Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.009 ft amsl and average closing elevation is 766.587 ft amsl. Level A3 is a buried plow zone and is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from throughout the unit, including ceramics, mortar, brick, glass, slate, possible chert flake, and metal. The team collected representative samples of slag, mortar, and brick. Level A3 also has heavy inclusions of mortar in the northwestern quadrant of the unit. Archaeologists halted excavation of Block 8 Lot 4 Excavation Unit 9 because Feature 4 was identified in the northwestern quadrant of Level A3.

"Team Y got Unit 9 to the bottom of Level A3 where we found the top of Feature 4."

- Shannique Gibson [NSF-REU student]

"On 9, we reached feature at the end of the morning; and Carrie, Dr. Shackel, and I stayed late from lunch to finish defining it. It's pretty weird looking (it waves around a lot), but it very clearly dips and we got it quite well defined.

- Emily Helton [NSF-REU student]

Feature 4

Feature 4 is a soil stain in the northwestern quadrant of Excavation Unit 9 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the southern half of the unit is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. Feature 4's dimensions in Excavation Unit 9 are 4.0 ft by 3.0 ft, but it tapers from the northern to western boundaries of the unit. Feature 4 continues into Excavation Units 4 and 5. The team profiled the east and south walls.

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**BLOCK 8 LOT 4
EXCAVATION UNIT 9 (N55 E30)**

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	767.768 ft	767.3856 ft	Level A1 is topsoil and yielded a comparatively low number of historic artifacts, such as glass, metal, ceramics, slag, mortar, and a possible chert flake.
I	A2	BURIED PLOW ZONE	MOTTLED: 10 YR 3/2 10 YR 4/3	SILTY CLAY	767.3856 ft	767.009 ft	This level is buried plow zone. There was an increase in artifact density, particularly of metal and glass artifacts.
III	A3	BURIED PLOW ZONE	MOTTLED: 10 YR 5/4 10 YR 4/3	SILTY CLAY	767.009 ft	766.587 ft	Excavation of Level A3 was suspended when Feature 4 was discovered in the northwestern quadrant, along with mortar inclusions. Artifacts were recovered throughout this level.

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Excavation Unit 10 (N65 E25)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 10 to further define the boundaries of Feature 4. Excavation Unit 10 is the excavation unit to the north of Block 8 Lot 4 Excavation Unit 6. The unit is a 5 ft by 2.5 ft excavation unit. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.8228 ft above median sea level (amsl) and average closing elevation is 767.4654 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included ceramics, metal, mortar, brick, glass, and slag. They collected representative samples of brick, slag, and mortar.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.4654 ft amsl and average closing elevation is 767.0618 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) silty clay. Archaeologists found artifacts throughout the unit that included glass, slag, ceramics, metal, mortar, brick, and one possible chert flake. The team collected samples of slag, brick, and mortar.

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.0618 ft amsl and average closing elevation is 766.5264 ft amsl. Level A3 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. The team encountered 20% brick, mortar, and rock inclusions mainly in the north half of the unit. Archaeologists mapped the fieldstone, mortar, and brick on the planview of Level A3. The team recovered artifacts from throughout the unit, including mortar, ceramics, glass, metal, brick, and one animal tooth. Archaeologists noticed a higher density of metal artifacts. The team collected representative samples of metal, brick, and mortar.

"There is quite a bit of rubble so it's been rather difficult to dig."

- Hannah Mills [NSF-REU student]

Archaeologists began Level A4 as a 0.5 ft arbitrary level. Level's A4's average opening elevation is 766.5264 ft amsl and average closing elevation is 766.2830 ft amsl. Level A4 is a buried plow zone and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/3 (brown) 50%. The team encountered 20% brick, mortar, and rock inclusions throughout the unit. Archaeologists mapped the fieldstone, mortar, and brick on the planview for Level A4. The team recovered artifacts from throughout the unit, including mortar, ceramics, metal, and one possible flake. The team collected representative samples of mortar. After the completion of Level A4, archaeologists identified Feature 4 in the south and east halves of Excavation Unit 10 and discontinued excavation of the unit.

“While we were hoping it (Feature 4) would run into the eastern wall of our unit, it ended running into the northern just a few inches shy of the eastern wall.”

- Jordan Bush [volunteer]

Feature 4

Feature 4 is a soil stain in the south and east halves of Excavation Unit 10 Level A4. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the northwest quadrant of the unit is silty clay mottled 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. Feature 4's dimensions in Excavation Unit 10 are 5.0 ft by 2.5 ft on the south and east boundaries, but tapers to 0.5 ft on the north wall. Feature 4 continues into Excavation Unit 6 and Excavation Unit 11. The team profiled the north and east walls. Archaeologists further investigated Feature 4 by opening up an excavation unit to the north of Excavation Unit 10.

**NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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NSF-REU PROGRAM**

**BLOCK 8 LOT 4
EXCAVATION UNIT 10 (N65 E25)**

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	767.8228 ft	767.4654 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, metal. Archaeologists sampled slag and brick. Artifacts are found throughout level.
I	A2	PLOW ZONE	10 YR 3/2	SILTY CLAY	767.4654 ft	767.0618 ft	Level A2 is plow zone. Artifacts were recovered throughout the unit.
III	A3	BURIED PLOW ZONE	MOTTLED: 10YR 3/2 10 YR 4/3	SILTY CLAY	767.02618 ft	766.5264 ft	Artifacts increase in this level, especially metal. One animal tooth was recovered. Heavy rock and mortar inclusions appear in the north half of the unit.
III	A4	BURIED PLOW ZONE	FEATURE 4: 10YR 3/2 SURROUND- ING MATRIX: 10YR 5/4	SILTY CLAY	766.5264 ft	766.2830 ft	Artifacts increase in this level. Archaeologists sampled metal and mortar. Feature 4 lies at the base of this level in the south and east halves of the unit.

New Philadelphia Excavation Unit Summary Form

Block 8 Lot 4

Jordan Bush, Shannique Gibson, Emily Helton, Hannah Mills, and Carrie Christman

Excavation Unit 11 (N65 E30)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 11 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 11 is the excavation unit to the north of Excavation Unit 5. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.5178 ft above median sea level (amsl) and average closing elevation is 767.1546 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. The team recovered artifacts from throughout the unit, which included a possible chert flake, ceramics, metal, mortar, brick, and glass. They collected representative samples of mortar and brick.

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.1546 ft amsl and average closing elevation is 766.7504 ft amsl. Level A2 is a buried plow zone and is 10YR 3/2 (very dark grayish brown) silty clay. The team encountered 25% inclusions of mortar and fieldstone, mainly in the southern half. Archaeologists found artifacts throughout the unit that included brick, glass, slate, ceramics, charcoal, mortar, and metal. The team collected samples of mortar, brick, and charcoal.

"Carrie's and my unit is slow-going due to a dense layer of rubble beginning in A2."

- Jordan Bush [volunteer]

Archaeologists began excavation Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 766.7504 ft amsl and average closing elevation is 766.3406 ft amsl. Level A3 is a buried plow zone and is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from throughout the unit, including ceramics, mortar, brick, glass, slag, animal teeth, and metal. The team collected representative samples of slag, mortar, and brick. Level A3 also has 10% inclusions of brick, rock, and mortar in the southwestern quadrant of the unit. Archaeologists halted excavation of Block 8 Lot 4 Excavation Unit 11 because Feature 4 was identified in the southwestern quadrant of Level A3.

"Today we found the outlines of the feature in Unit 11. Clay is not the feature."

- Hannah Mills [NSF-REU student]

Feature 4

Feature 4 is a soil stain in the southwestern quadrant of Excavation Unit 11 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix in the

northeastern quadrant of the unit is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. Feature 4's dimensions in Excavation Unit 11 are 5.0 ft by 5.0 ft on the southern and western boundaries, but the feature tapers to 2.0 ft on the northern side. Feature 4 continues into Excavation Units 5, 7 and 10. Feature 4 also continues into the northern wall. The team profiled the east and north walls.

**NEW PHILADELPHIA, PIKE COUNTY, ILLINOIS
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**BLOCK 8 LOT 4
EXCAVATION UNIT 11 (N65 E30)**

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	767.5178 ft	767.1546 ft	Historic artifacts were recovered from throughout Level A1, including glass, metal, ceramics, brick, mortar, and a possible chert flake.
I	A2	BURIED PLOW ZONE	10 YR 3/2	SILTY CLAY	767.1546 ft	766.7504 ft	Artifact density increases in Level A2, where the archaeologists recovered particularly high numbers of glass and ceramic artifacts. This level is buried plow zone.
III	A3	BURIED PLOW ZONE	MOTTLED: 10 YR 5/4 10 YR 4/3	SILTY CLAY	767.7504 ft	766.3406 ft	Level A3 yielded a particularly high number of metal artifacts. In addition, three large animal teeth were found. Excavation of this level was suspended because Feature 4 was discovered in the majority of the unit.

**New Philadelphia
Excavation Unit Summary Form**

Block 8 Lot 4

Jordan Bush, Shannique Gibson, Emily Helton, Hannah Mills, and Carrie Christman

Excavation Unit 12 (N67.5 E30)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 12 to define the boundaries of Feature 4 encountered in the 2004 field season. Excavation Unit 12 is the excavation unit to the north of Excavation Units 10 and 11. The unit is 7.5 ft by 2.5 ft, shortest along its eastern edge. Levels A1-A3 are plowzone and were excavated simultaneously by the team to remove the plowzone efficiently. The plowzone's average opening elevation is 767.5714 ft above median sea level (amsl) and average closing elevation is 766.4536 ft amsl. Levels A1-A3 transition 10YR 3/2 (very dark grayish brown) silty loam to silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. The team recovered artifacts from throughout the plowzone, which included a possible chert flake, ceramics, metal, mortar, brick, slag, and glass. They collected representative samples of mortar, slag, and brick. Archaeologists halted excavation of Block 8 Lot 4 Excavation Unit 12 because Feature 4 was identified along the southern edge of the base of Level A3.

"We finished Unit 12, and the feature takes up all of 6 square inches in it. The feature is finally uncovered!"

- Emily Helton [NSF-REU student]

Feature 4

Feature 4 is a soil stain along the southern edge of Excavation Unit 12 Level A3. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. The surrounding matrix of the unit is silty clay mottled: 10YR 5/4 (yellowish brown) 50% and 10YR 4/3 (brown) 50%. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 12 are 0.5 ft by 0.1 ft along the western portion of the southern boundary. Feature 4 continues into Excavation Unit 10. The team profiled the east, west and north walls.

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

**BLOCK 8 LOT 4
EXCAVATION UNIT 12 (N67.5 E30)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I & III	A1-A3	PLOW ZONE	10 YR 3/2 10 YR 4/3 10 YR 5/4	SILTY LOAM AND SILTY CLAY	767.5714 ft	766.4536 ft	Historic artifacts were recovered from throughout Levels A1-A3, including glass, metal, slag, ceramics, brick, mortar, and a possible chert flake. The team sampled brick, mortar, and slag.

New Philadelphia Feature 4 Summary Form

Block 8 Lot 4

Jordan Bush, Shannique Gibson, Emily Helton, Hannah Mills, and Carrie Christman

Excavation Units 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12

Feature 4 consists of a dark soil stain in Block 8 Lot 4 Excavation Units 1, 2, 3, 4, 5, 6, 8, 9, 10, and 11. Archaeologists first encountered Feature 4 as a soil stain along the east wall of Block 8 Lot 4 Excavation Unit 1. Feature 4 is a basin-like soil stain and has dimensions of 12 ft by 12.5 ft. Feature 4 has an elevation of 766.4197 ft above median sea level (amsl) and is 10YR 3/2 (very dark grayish brown) silty clay. In the excavation units composing Feature 4, fieldstone, mortar, and brick were encountered directly above Feature 4. A pipe bowl from Excavation Unit 5 is associated with the top of Feature 4.

“After we photographed the feature, we went to eat breakfast at the Cree-Mee.”

- Hannah Mills [NSF-REU student]

“It is so hot, I made Hannah chop my hair off while I sat on a pickle bucket.”

- Emily Helton [NSF-REU student]

Archaeologists bisected Feature 4 in a north-south direction, which encompasses Block 8 Lot 4 Excavation Units 4, 8, 9, 11, and 12. Level a1 was excavated as a 0.5 arbitrary level and has surface dimensions of 6 ft by 12.5 ft. Level a1 has an opening elevation of 766.4328 ft amsl and a closing elevation 766.1702 ft amsl. Level a1 is 10YR 3/2 (very dark grayish brown) silty clay. The team recovered glass, bone, ceramics, metal, charcoal, brick, mortar, and possible chert flakes. A Gothic-style teacup base was recovered from the southwest quadrant of Level a1. They sampled mortar, charcoal, and brick. The team collected a 10 L soil sample from the level.

“Team Y began lightly shoveling and trowelling for artifacts and to see how far the feature is.”

- Shannique Gibson [NSF-REU student]

“I found the base of a teacup, which Dr. Shackel identified as 1840’s gothic (it’s undecorated with panels or flutes).”

- Emily Helton [NSF-REU student]

Level a2 was excavated as a 0.5 arbitrary level and has base dimensions of 3.5 ft by 8.0 ft. Level a2 has an opening elevation of 766.1702 ft amsl and a closing elevation 765.5846 ft amsl. Level a2 is 10YR 3/2 (very dark grayish brown) silty clay. The team recovered glass, bone, ceramics, metal, brick, mortar, and one button. The archaeologists recovered a high density of bone from the southwest quadrant of Feature 4. They sampled mortar and brick. The team collected a 10 L soil sample from the level.

Level a3 was excavated as a 0.5 arbitrary level and has base dimensions of 3.5 ft by 8.0 ft. Level a3 has an opening elevation of 765.5846 ft amsl and a closing elevation 765.1720 ft amsl. Level a3 is 10YR 3/2 (very dark grayish brown) silty clay. The team recovered glass, ceramics, metal, brick, and mortar. The archaeologists recovered a high density of bone from the southwest quadrant of Feature 4. Level a3 has a lower density of artifacts than Levels a1 and a2. They sampled mortar and brick. The team collected a 10 L soil sample from the level.

“I saw a line, a really clear and distinct line in it today. It’s probably the line between two types of fill.”

- Emily Helton [NSF-REU student]

Level a4 was excavated as a 0.5 arbitrary level and has base dimensions of 3.0 ft by 6.5 ft. Level a4 has an opening elevation of 765.1720 ft amsl and a closing elevation of 764.4206 ft amsl. Level a4 changes to clay and is mottled 10YR 3/2 (very dark grayish brown) 50% and 5YR 4/6 (yellowish red) 50%. The archaeologists recovered a higher density of artifacts in Level a4 than a3 including a metal box, ceramics, metal, mortar, slag, and brick. A metal box was discovered on the north edge of Feature 4 and mapped in situ on the Level a4 planview. The team sampled brick, slag, and mortar. The team collected a 10 L soil sample from the level.

“I found the corner of a metal box. I told them, but they wouldn’t believe me.”

- Emily Helton [NSF-REU student]

Level a5 was excavated as a 0.5 arbitrary level and has base dimensions of 3.0 ft by 6.5 ft. Level a4 has an opening elevation of 764.4206 ft amsl and a closing elevation of 763.9628 ft amsl. Level a5 is clay and mottled 10YR 3/2 (very dark grayish brown) 50% and 5YR 4/6 (yellowish red) 50%. The archaeologists recovered artifacts throughout the level including a heel and pieces from a shoe, one ceramic, metal, mortar, brick, and one possible flake. The team sampled brick and mortar. They collected a 10 L soil sample from the level. The team did not fully excavate Feature 4 because of the end of field season. The recovered artifacts, shape, and depth of Feature 4 suggest it could be a subterranean feature or a possible well. Further excavation of Feature 4 will be necessary in order to interpret its function.

“We worked on the feature all day. It turned out to be much deeper than expected and so the possibility has that instead of a cellar, it may actually be a well.”

- Jordan Bush [volunteer]

BLOCK 8, LOT 4
EXCAVATION UNITS 1, 2, 3, 4, 5, 6, 8, 9, 10, 11 AND 12
FEATURE 4

MEGA STRAT	LEVEL	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
III	F4, a1	10YR 3/2	SILTY CLAY	766.4328 ft	766.1702 ft	Level F4a1 is a bisect of Feature 4's east half and includes Excavation Units 4, 8, 9, 11, and 12. Artifacts in Level F4a1 include bone, a Gothic-style teacup base, and ceramics.
III	F4, a2	10YR 3/2	SILTY CLAY	766.1702 ft	765.5846 ft	Level F4a2 is a 0.5 ft arbitrary level. Archaeologists recovered a high density of bone fragments from the southwest quadrant. Artifacts also include one button and ceramics.
III	F4, a3	10YR 3/2	SILTY CLAY	765.5846 ft	765.1720 ft	Level F4a3 is a 0.5 ft arbitrary level and has a lower density of artifacts. Artifacts in Level F4a3 include ceramics, metal, and glass. Archaeologists sampled brick and mortar.
III	F4, a4	10YR 3/2 5YR 4/6	CLAY	765.1720 ft	764.4206 ft	Level F4a4 is a 0.5 ft arbitrary level and has a higher concentration of artifacts than Level F4a3. The soil texture changes to clay. A metal box was recovered from the north edge of Feature 4.
III	F4, a5	10YR 3/2 5YR 4/6	CLAY	764.4206 ft	763.9628 ft	Level F4a5 is a 0.5 ft arbitrary level and has a high concentration of glass. Artifacts recovered in Level F4a5 include a shoe heel, metal, and one ceramic. The soil is still clay.

