

New Philadelphia Excavation Unit Summary Form

Block 8 Lot 4

Cecilia Ayala, Dana Blount, Jesse Sloan, and Carrie Christman

Excavation Unit 1 (N60 E20)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 1 because of the high amount of resistivity measured in the area by the geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.9350 ft above median sea level (amsl) and average closing elevation is 767.6212 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, glass, plastic, and possible chert flakes. They collected representative samples of brick and slag.

Today was a slow day because it rained, started new unit Block 8 Lot 4 Unit 1.

- Dana Blount [NSF-REU student]

We began a new unit at Block 8 Lot 4 to examine anomalies.

- Carrie Christman [crew chief]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.6212 ft amsl and average closing elevation is 767.0888 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. Archaeologists found artifacts throughout the unit that included brick, slag, glass, ceramics, mortar, and metal. The team collected samples of brick, mortar, and slag. They noticed a heavy concentration of slag from throughout the unit.

So far, we are not finding much, but the view on this unit is much nicer than our previous one.

- Cecilia Ayala [NSF-REU student]

Later, we began Level A2 still in hope of finding something interesting.

- Jesse Sloan [NSF-REU student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.0888 ft amsl and average closing elevation is 766.6064 ft amsl. Level A3 is a buried A Horizon and the northeast corner of the unit is 10YR 4/3 (brown) silty clay, with 10% charcoal inclusions. The rest of the unit is 10YR 4/3 (brown) silty clay. The team encountered 10% brick inclusions throughout the unit. They recovered artifacts from throughout the unit, including slag, ceramics, brick, mortar, glass, metal, and 1 possible chert flake. Level A3 has a

heavy concentration of metal throughout the unit. The team collected representative samples of brick, slag, mortar, and metal. Level A3 also has heavy inclusions of fieldstone, mortar, and brick throughout the unit, but clustering more heavily along the east side of the unit. These inclusions have an average diameter of 0.5 ft. Archaeologists mapped the fieldstone, mortar, and brick on the planview of Level A3.

Level A3 looks promising as it contains more artifacts, especially a large piece of metal at the SE corner.

- Carrie Christman [crew chief]

We are running into scattered mortar, brick, and some large rocks.

- Cecilia Ayala [NSF-REU student]

The team began Level A4 as a 0.5 ft arbitrary level. Level A4's average opening elevation is 766.6064 ft amsl and average closing elevation is 766.2991 ft amsl. Level A4 is a buried A Horizon. After excavating 1.5 ft, archaeologists uncovered Feature 4, a soil stain along the east wall. The remaining soil matrix surrounding Feature 4 of Level A4 is 10YR 4/3 (brown) silty clay. Archaeologists recovered artifacts from throughout the unit, including mortar, brick, metal, ceramics, glass, slag, buttons, and chert flakes. They collected representative samples of mortar, brick, slag, and metal.

In Block 8 Lot 4 Unit 1, we found a feature.

- Dana Blount [NSF-REU student]

We uncovered a feature running along the east wall. It is composed of dark soil and is about a foot wide.

- Jesse Sloan [NSF-REU student]

Feature 4

Feature 4 is a soil stain along the east wall of Block 8 Lot 4 Excavation Unit 1. Within the Excavation Unit 1, Feature 4 has the dimensions 1.1 ft by 4.7 ft. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. It continues into the east and north walls. The team believes that following the abandonment of New Philadelphia soil fill was brought in to the area of Block 8 Lot 4 Excavation Unit 1 in order to aid with plowing the field. The fill on top of the layer of fieldstone, mortar, and brick archaeologists encountered in Level A3 sealed Feature 4's context and prevented disturbance. The team ended excavation of Block 8 Lot 4 Excavation Unit 1 after they uncovered Feature 4. They profiled the north and east walls and mapped Feature 4 on a planview. Archaeologists further investigated Feature 4 by opening up an excavation unit to the east and north of Block 8 Lot 4 Excavation Unit 1.

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11 PK 455
NSF-REU PROGRAM**

**BLOCK 8, LOT 4
EXCAVATION UNIT 1 (N60, 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	767.9350 ft	767.6212 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	TOPSOIL/ PLOWZONE	10 YR 3/2	SILTY LOAM	767.6212 ft	767.0888 ft	In Level A2 archaeologists found large amounts of brick and slag. There are fewer artifacts in this level than the one above but sherds of glass, and ceramic are present.
III	A3	BURIED A HORIZON	10 YR 4/3	SILTY CLAY	767.0888 ft	766.6064 ft	Artifacts increase in this level with a high quantity of slag and metal found. Numerous large bricks, rocks, and plaster mapped in place.
III	A4	BURIED A HORIZON	10 YR 3/2 IN FEATURE, SURROUN- DED BY 10 YR 4/3	SILTY CLAY	766.6064 ft	766.2991ft	Feature 4 becomes outlined in this level. Feature 4 is recognized as a very dark grayish brown region along the eastern side of the unit. A high concentration of metal is also associated with this feature.

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Excavation Unit 2 (N60 E25)

Archaeologists excavated Block 8 Lot 4 Excavation Unit 2 in order to further define and investigate Feature 4. Block 8 Lot 4 Excavation Unit 2 is the excavation unit to the east of Block 8 Lot 4 Excavation Unit 1. The team excavated Level A1 in Unit 2 as a 0.5 ft arbitrary level. Level A1 average opening elevation is 767.7823 ft above median sea level (amsl) and average closing elevation is 767.4082 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. Archaeologists recovered artifacts from throughout the unit including glass, possible chert flakes, ceramics, brick, metal, and slag. They collected representative samples of slag and brick.

We started up another unit to the east of the first unit.

- Cecilia Ayala [NSF-REU student]

We will attempt to discover the extent of our feature, but we only have another week at the site so we are fighting time.

- Jesse Sloan [NSF-REU student]

The team excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.4082 ft amsl and average closing elevation is 766.9666 ft amsl. Level A2 is silty clay and mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/4 (brown) 50%. Archaeologists recovered artifacts from throughout the unit including glass, ceramics, slag, brick, metal, possible chert flakes, and mortar. They collected samples of slag, mortar, and brick.

The artifacts in Unit 2 are thinning out.

- Dana Blount [NSF-REU student]

Archaeologists excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 766.9666 ft amsl and average closing elevation is 766.4733 ft amsl. Level A3 is a buried A Horizon and is 10YR 3/2 (very dark grayish brown) silty clay. The team found around 15% inclusions of mortar, brick and fieldstone throughout the unit at this level. The average diameter of such inclusions is 0.5 ft. This pattern is similar to Level A3 in Block 8 Lot 4 Excavation Unit 1. Archaeologists mapped the mortar, brick, and fieldstone on a planview of Level A3 in Unit 2. In Level A3, the team recovered slag, ceramics, brick, glass, one possible chert flake, slate, nails, and metal. They collected representative samples of slag and brick.

Bees everywhere, my sinuses and allergies are killing me.

- Cecilia Ayala [NSF-REU student]

In both units, we recovered ceramics, brick, glass, slag, and mortar throughout the unit.

- Carrie Christman [crew chief]

Archaeologists began Level A4 as a 0.5 ft arbitrary level. Level A4's average opening elevation is 766.4733 ft amsl and average closing elevation is 766.2042 ft amsl. The team noticed that the percentage of brick, mortar, and fieldstone inclusions intensified as we continued the excavation of Level A4. After archaeologists excavated 0.3 ft of Level A4, Feature 4 became visible throughout the entirety of the unit. Level A4 is a buried A Horizon and is 10YR 3/2 (very dark grayish brown) silty clay. Archaeologists recovered artifacts from throughout the unit, including bone, brick, metal, ceramics, slate, slag, and mortar. They recovered bone mainly from near the south wall. The team collected samples of metal, slate, slag, and mortar. After archaeologists identified Feature 4 in Block 8 Lot 4 Excavation Unit 2, they discontinued excavation of the unit.

Feature 4

Feature 4 encompasses the entirety of Block 8 Lot 4 Excavation Unit 2 Level A4. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 2 are 5.0 ft by 5.0 ft. Artifacts recovered from Feature 4 include bone, brick, metal, ceramics, slate, slag, and mortar.

Unit 2 is really interesting because the entire unit is feature. We found a lot of bone in the SW portion of the unit.

- Cecilia Ayala [NSF-REU student]

It appears to be a large trash pit with butchered bones and pottery.

- Jesse Sloan [NSF-REU student]

Archaeologists noticed a higher concentration of bone near the south wall. They mapped mortar, brick, and fieldstone in a planview of Feature 4. The team also profiled the north, south, and east walls. They could not fully investigate or define the boundaries of Feature 4 because of the end of the field season. Feature 4 needs to be further investigated to the north, south, and east of Block 8 Lot 4 Excavation Unit 2 in future field seasons in order to define its boundaries.

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**BLOCK 8, LOT 4
EXCAVATION UNIT 2 (N60, 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	767.7823 ft	767.4082 ft	Level A1 is in the plow zone. Artifacts found include ceramic and glass sherds. Chert flakes found as well.
I	A2	TOPSOIL/ PLOWZONE	10 YR 3/2; MOTTLED 10 YR 4/4	SILTY CLAY	767.4082 ft	766.9666 ft	Artifacts slightly increase. Slag, mortar, and brick sampled. Glass and refined earthenware also found throughout level.
III	A3	BURIED A HORIZON	10 YR 3/2	SILTY CLAY	766.9666 ft	766.4733 ft	Mortar and brick found throughout level with numerous large pieces mapped in place. Slag and brick sampled. Ceramic and glass sherds also found.
III	A4	BURIED A HORIZON	10 YR 3/2	SILTY CLAY	766.4733 ft	766.2042 ft	Artifacts drastically increase in this level, which also include bone. High quantity of metal found. Numerous large pieces of stone and mortar mapped in place. Feature 4 lies across entire base of this level.

New Philadelphia Excavation Unit Summary Form

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Excavation Unit 3 (N65 E20)

Archaeologists began the excavation of Block 8 Lot 4 Excavation Unit 3 in order to further define and investigate Feature 4. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 767.9442 ft above median sea level (amsl) and average closing elevation is 767.5431 ft amsl. Level A1 is plow zone and is 10YR 3/2 (very dark grayish brown) silty loam. Archaeologists recovered artifacts from throughout unit including ceramics, brick, metal, bone, slag, plastic, and mortar. They collected representative samples of brick, slag, and mortar.

Artifacts recovered were ceramics, slag, brick, mortar, and glass.

- Carrie Christman [crew chief]

Bob, a volunteer will be assisting Team Y for a week.

- Dana Blount [NSF-REU student]

The team excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 767.5431 ft amsl and average closing elevation is 767.0415 ft amsl. Level A2 is plow zone and is 10YR 4/4 (brown) silty clay. Archaeologists recovered artifacts from throughout the unit, including glass, ceramics, mortar, slag, brick, and metal. They collected representative samples of slag and metal.

The team excavated Level A3 as a 0.5 ft arbitrary level. Level A3's average opening elevation is 767.0415 ft amsl and average closing elevation is 766.5919 ft amsl. Level A3 is a buried A Horizon and is 10YR 4/3 (brown) silty loam. Archaeologists recovered artifacts from throughout the unit including brick, ceramics, slag, metal, possible chert flakes, mortar, glass, one button, and slate. They collected samples of mortar, brick, slag, and metal. Similar to Block 8 Lot 4 Excavation Units 1 and 2, Level A3 of Unit 3 has inclusions of fieldstone, brick, and mortar throughout the unit. The inclusions occur mainly in the east side of the unit. Archaeologists mapped the mortar and fieldstone on the planview of Level A3.

I can just imagine Free Frank and his family watching over us through this monumental expedition.

- Cecilia Ayala [NSF-REU student]

The team began Level A4 as a 0.5 arbitrary level, however they encountered the continuation of Feature 4 from Block 8 Lot 4 Excavation Unit 1 in the southeast corner of Unit 3 after excavating 0.3 ft. Level A4's average opening elevation is 766.5919 ft amsl and average closing

elevation is 766.2741 ft amsl. The soil surrounding Feature 4 is a buried A Horizon and is 10YR 4/3 (brown) silty clay. Archaeologists recovered artifacts from throughout the unit, including bone, slag, mortar, brick, metal, glass, copper strips, possible chert flakes, and ceramics. They collected samples of mortar, brick, and metal.

Feature 4

Feature 4 is a soil stain in the southeast corner of the unit that runs along the east wall. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. Within Block 8 Lot 4 Excavation Unit 3, Feature 4 has the dimensions 3 ft by 1 ft. Feature 4 is the continuation of the same soil stain from Block 8 Lot 4 Excavation Unit 1. Archaeologists profiled the east wall. They also mapped a planview of Feature 4. Archaeologists could not fully investigate or define the boundaries of Feature 4 because of the end of the field season. Further investigation and definition of Feature 4 by excavating to the east of Block 8 Lot 4 Excavation Unit 3 will be needed in future excavation to define its boundaries.

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**BLOCK 8, LOT 4
EXCAVATION UNIT 3 (N65 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	767.9442 ft	767.5431 ft	Artifacts are found throughout this level, which include slag, metal, brick and mortar. Refined earthenware and glass sherds were also excavated.
I	A2	TOPSOIL/ PLOWZONE	10 YR 4/4	SILTY CLAY	767.5431 ft	767.0415 ft	Slag and metal were sampled in this level. Quantities of sherds of glass increase while other artifact categories remain the same.
III	A3	BURIED A HORIZON	10 YR 4/3	SILTY CLAY	767.0415 ft	766.5919 ft	Archaeologists mapped in place large pieces of mortar and rock at the base of Level A3. Metal artifacts increase here. A button and a piece of slate are also recovered.
III	A4	BURIED A HORIZON	10 YR 4/3 to 10 YR 3/4	SILTY CLAY	766.5919 ft	766.2741 ft	Feature 4 lies at the base of this level. Archaeologists mapped a large cluster of rock and mortar along the southeastern wall with a large piece of metal imbedded in it. They sampled brick, mortar, and stone.

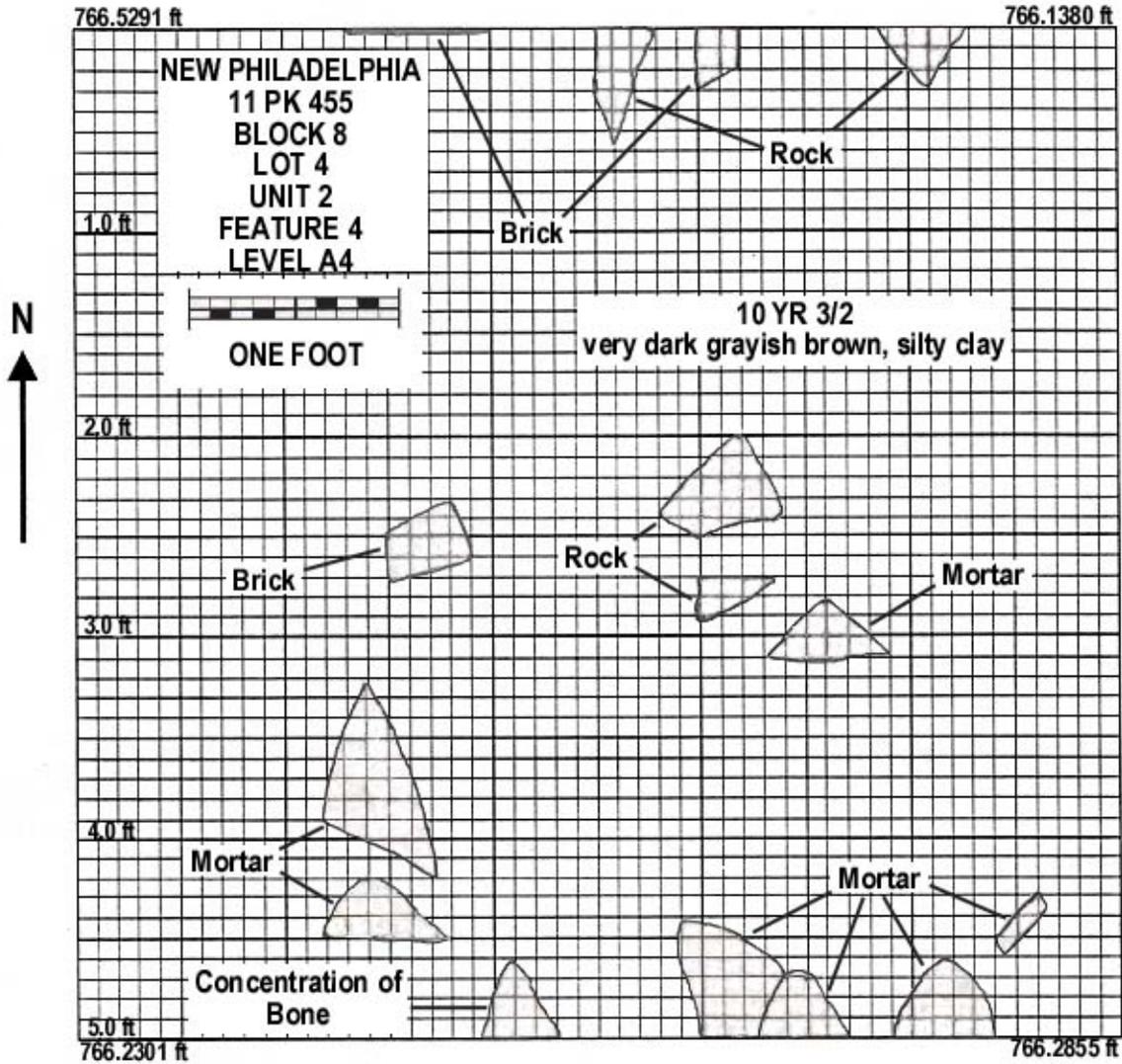
**New Philadelphia
Feature 4 Summary Form**

Block 8 Lot 4

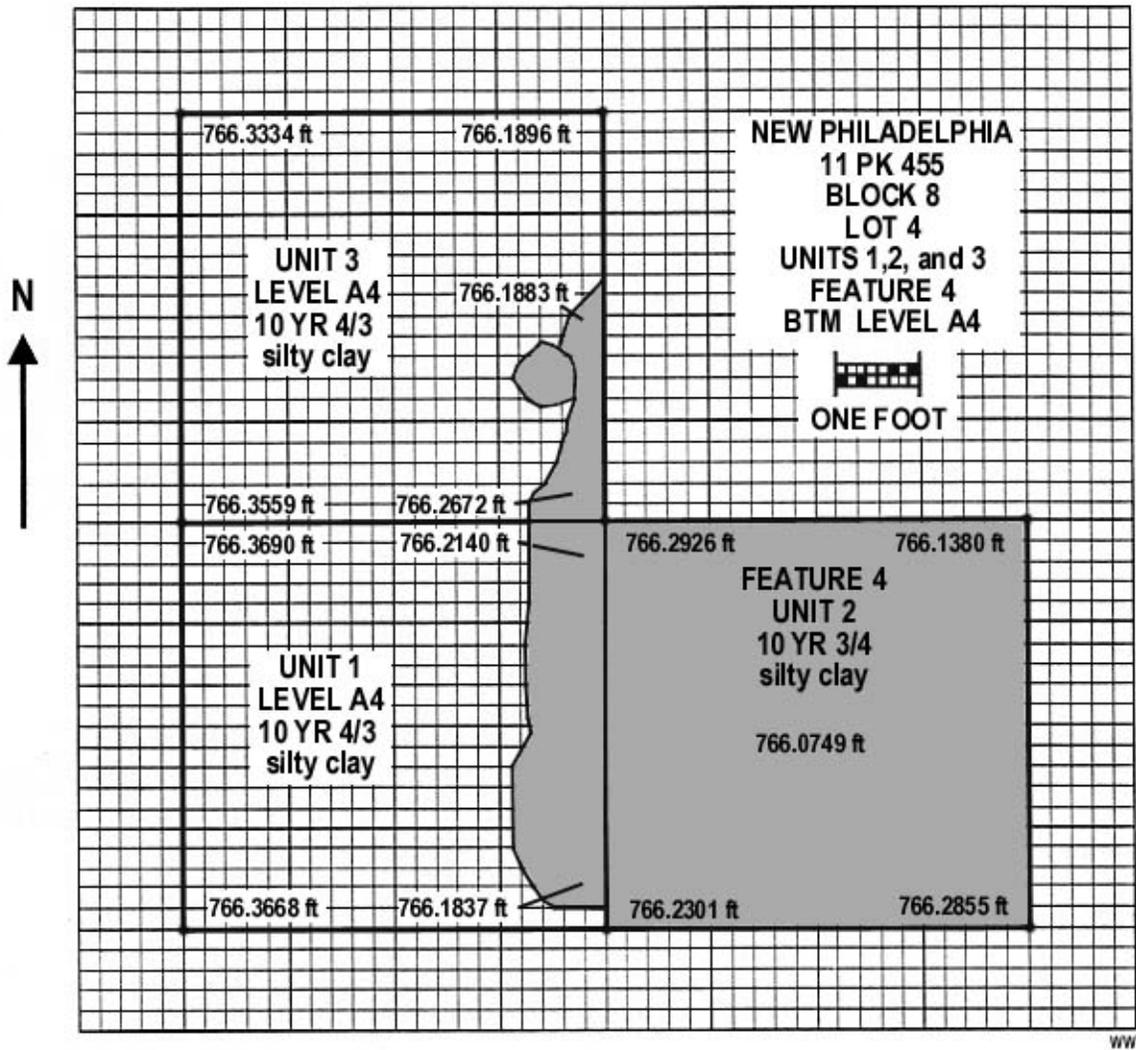
Carrie Christman, Cecilia Ayala, Dana Blount, and Jesse Sloan

Excavation Units 1, 2, 3

Feature 4 consists of a soil stain in Block 8 Lot 4 Excavation Units 1, 2, and 3. Archaeologists first encountered Feature 4 as a soil stain along the east wall of Block 8 Lot 4 Excavation Unit 1. Within the Excavation Unit 1, Feature 4 has the dimensions 1.1 ft by 4.7 ft. Feature 4 is 10YR 3/2 (very dark grayish brown) silty clay. It continues into the east and north walls. The top of Feature 4 encompasses the entirety of Block 8 Lot 4 Excavation Unit 2 Level A4. Feature 4's dimensions in Block 8 Lot 4 Excavation Unit 2 are 5.0 ft by 5.0 ft. In Excavation Unit 2, archaeologists noticed a higher concentration of bone near the south wall associated with Feature 4. In Excavation Unit 3, the team encountered Feature 4 as a soil stain in the southeast corner of the unit that runs along the east wall. Within Block 8 Lot 4 Excavation Unit 3, Feature 4 has the dimensions 3 ft by 1 ft. The average elevation of the entire visible Feature 4 is 766.2031 ft above median sea level (amsl). The team mapped a planview of the visible extent of Feature 4. Artifacts recovered in association with Feature 4 include bone, brick, metal, ceramics, slate, slag, and mortar. This fill appears to have been introduced to the field in order to assist plowing, creating a buried A Horizon. Archaeologists believe that Level A3's heavy mortar, brick, and fieldstone inclusions in units 1, 2, and 3, sealed Feature 4's context and prevented disturbance from plowing. Judging by its large size and associated artifacts, archaeologists interpreted Feature 4 as a structure, whose later, secondary function was a trash pit. The team did not excavate or fully define the boundaries of Feature 4 because of the end of the field season. Feature 4 needs to be further investigated to the north, south, and east of Block 8 Lot 4 Excavation Unit 2 and to the east of Block 8 Lot 4 Excavation Unit 3 in future field seasons in order to define its boundaries.



Top of Feature 4 in Excavation Unit 2, Block 8, Lot 4.



Planview of Feature 4 in Excavation Units 1, 2, 3, Block 8, Lot 4.