

New Philadelphia Excavation Unit Summary Form

Block 9 Lot 4

Andrea Torvinen, Jessica Jenkins, Thomas Duggan, Caitlin Bauchat, Elizabeth Davis, and
Christopher Valvano

Excavation Unit 1 (N5 E5)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 1 to investigate anomalies recorded in the 2005 geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 760.9074 ft above median sea level (amsl) and average closing elevation is 760.6088 ft amsl. Level A1 is plow zone and is 10YR 6/2 (light brownish gray) clayey silt. The team recovered artifacts from throughout the unit, which included brick, ceramics, metal, slag, glass, and one electrical insulator. They collected representative samples of brick, mortar, and slag.

"It's much harder to begin a pit than I thought!"

- Caitlin Bauchat [NSF-REU student]

"We mostly found glass and brick, but we also came across some ceramic, yellowware, scrap metal, and we are working on uncovering an artifact still."

- Jessica Jenkins [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 760.6088 ft amsl and average closing elevation is 760.4158 ft amsl. Level A2 is plow zone and is silty clay mottled: 10YR 4/2 (dark grayish brown) 50% and 10YR 7/6 (yellow) 50%. The soil's color change at the base of the level indicated the start of a stratum below the plow zone. Archaeologists found artifacts throughout the unit that included bone, plastic, glass, metal, clinker/slag, brick, mortar, ceramics, one plastic button, and one copper button. The team collected samples of mortar, brick, and slag.

"Today we found maybe 20, 25 pieces of glass, lots of brick, and some ceramic pieces."

- Caitlin Bauchat [NSF-REU student]

Archaeologists excavated Level B1 as a 0.5 ft arbitrary level. Level B1's average opening elevation is 760.4158 ft amsl and average closing elevation is 759.8198 ft amsl. Level B1 is subsoil and silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/4 (dark yellowish brown) 50%. The team recovered artifacts from mainly the first .2 ft of the unit, including brick, mortar, glass, metal, slag/clinker, and one bone. The last .3 ft of Level B1 is sterile. The team collected representative samples of slag/clinker, mortar, and brick. At the base of Level B1, archaeologists encountered Feature 6, a large stone along the west wall.

Archaeologists mapped Feature 6 on the planview of Level B1 and profiled the north and east walls.

Feature 6

Feature 6 is a large stone along the west wall in Excavation Unit 1. The surrounding matrix is silty clay mottled: 10YR 3/2 (very dark grayish brown) 50% and 10YR 4/4 (dark yellowish brown) 50%. Feature 6's dimensions in Excavation Unit 1 are .8 ft by 1.6 ft. Feature 6 continues into the west wall. Archaeologists further investigated Feature 6 by opening up excavation units to the north and Excavation Unit 1.

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**BLOCK 9 LOT 4
EXCAVATION UNIT 1 (N5 E5)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 6/2	CLAYEY SILT	760.9074 ft	760.6088 ft	Located in the topsoil, Level A1 yielded refined earthenware, an electric insulator, glass, and metal. Archaeologists sampled brick, slag, and mortar. Artifacts are found throughout level.
I	A2	PLOW ZONE	MOTTLED: 10YR 4/2 10 YR 7/6	SILTY CLAY	760.6088 ft	760.4158 ft	Level A2 is plow zone. A higher density of artifacts were recovered throughout the unit, including bone, a plastic and copper button, and refined earthenware.
B	B1	SUBSOIL	MOTTLED: 10YR 3/2 10 YR 4/4	SILTY CLAY	760.4158 ft	759.8198 ft	This level's last excavated .3 ft is sterile. Feature 6 appears in the west wall of this level.

**New Philadelphia
Feature 6 Summary Form**

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Excavation Unit 1 (N5 E5)

The team designated the large fieldstone within and along the west and east wall of Block 9 Lot 4 Excavation Unit 1 as Feature 6. It extends into the west wall. Feature 6's visible dimensions are .8 ft by 1.6 ft. Feature 6's average top elevation is 760.2887 ft above median sea level (amsl) and average bottom elevation is 759.8189 ft amsl. Archaeologists first identified Feature 6 in Level B1. The team did not bag any artifacts separately that are directly associated with Feature 6. They measured the elevations of the stones and recorded the elevations on the Feature 6 planview. Feature 6 could be the remains of a stone pier support. Archaeologists attempted to further investigate Feature 6 by opening Excavation Unit 3 15 ft to the north. Archaeologists found no features associated with Feature 6.

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Excavation Unit 2 (N15 E5)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 2 to investigate anomalies recorded in the 2005 geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 760.4860 ft above median sea level (amsl) and average closing elevation is 760.1374 ft amsl. Level A1 is plow zone and is 10YR 6/2 (light brownish gray) clayey silt. The team recovered artifacts from throughout the unit, which included metal, plastic, ceramics, glass, clinker/slag, brick, mortar, and one 1897 penny. They collected representative samples of brick, mortar, and slag/clinker.

Archaeologists began Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 760.1374 ft amsl and average closing elevation is 760.0524 ft amsl. Level A2 is plow zone and is 10YR 3/2 (very dark grayish brown) silty clay. The soil's color change at the base of the level indicated the start of a stratum below the plow zone. The plow zone is shallow in this unit. Archaeologists found artifacts throughout the unit that included bone, clinker/slag, metal, glass, ceramics, brick, and mortar. The team collected samples of mortar, brick, and clinker/slag.

"I was very excited to find my first piece of earthenware. Unfortunately it's stuck in the next level, so I'll have to wait to excavate it"

- Andrea Torvinen [NSF-REU student]

"We've been finding lots of ceramic this morning, mostly stoneware with a salt finish."

- Caitlin Bauchat [NSF-REU student]

Archaeologists excavated Level B1 as a 0.5 ft arbitrary level. Level B1's average opening elevation is 760.0524 ft amsl and average closing elevation is 759.6002 ft amsl. Level B1 is subsoil and 10YR 4/2 (dark grayish brown) silty clay. The team recovered artifacts from mainly the first .2 ft of the unit, including brick, mortar, glass, metal, slag/clinker, and ceramics. The last .3 ft of Level B1 is sterile. The team collected representative samples of slag/clinker, mortar, and brick. At the base of Level B1, archaeologists discontinued excavations due to the low density of artifacts and absence of detectable features. They profiled the north and east walls.

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**BLOCK 9 LOT 4
EXCAVATION UNIT 2 (N15 E5)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 6/2	CLAYEY SILT	760.4860 ft	760.1374 ft	Located in the topsoil, Level A1 yielded refined earthenware, an 1897 penny, glass, and metal. Archaeologists sampled brick, slag, and mortar. Artifacts are found throughout level.
I	A2	PLOW ZONE	MOTTLED: 10YR 3/2	SILTY CLAY	760.1374 ft	760.0524 ft	Level A2 is a shallow plow zone. Artifacts recovered include ceramics, bone, and metal.
B	B1	SUBSOIL	MOTTLED: 10YR 4/2	SILTY CLAY	760.0524 ft	759.6002 ft	Level B1 is subsoil and this level's last excavated .3 ft is sterile. Archaeologists recovered ceramics and glass from the first .2 ft of the level.

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Excavation Unit 3 (N20 E5)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 3 to explore anomalies recorded in the 2005 geophysical survey and to further investigate possible features associated with Feature 6. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 760.3188 ft above median sea level (amsl) and average closing elevation is 760.1328 ft amsl. Level A1 is plow zone and is 10YR 5/3 (brown) silty loam. The team recovered artifacts from throughout the unit, which included mortar, ceramics, brick, metal, glass, clinker/slag, and one piece of rubber hose. They collected representative samples of brick, mortar, and slag/clinker.

"We originally started digging Unit 3 because Unit 1 revealed a large rock that was presumed to be one corner of a pre-1872 schoolhouse."

- Thomas Duggan [UIUC student]

Archaeologists began Level A2 as a 0.5 ft arbitrary level. Level A2's average opening elevation is 760.1328 ft amsl and average closing elevation is 760.0736 ft amsl. Level A2 is plow zone and is 10YR 5/2 (grayish brown) silty clay. The soil's color change at the base of the level indicated the start of a stratum below the plow zone. The plow zone is shallow in this unit like Excavation Unit 2. Archaeologists found artifacts throughout the unit that included ceramics, brick, metal, glass, clinker/slag, and possible chert flakes. The team collected samples of mortar, brick, and clinker/slag.

Archaeologists excavated Level B1 as a 0.5 ft arbitrary level. Level B1's average opening elevation is 760.0736 ft amsl and average closing elevation is 759.5592 ft amsl. Level B1 is subsoil and 10YR 4/2 (dark grayish brown) silty clay. The team recovered artifacts from mainly the first .2 ft of the unit, including ceramics, glass, clinker/slag, mortar, metal, brick, and plastic. The last .3 ft of Level B1 is sterile. The team collected representative samples of slag/clinker, mortar, and brick. At the base of Level B1, archaeologists discontinued excavations due to the low density of artifacts and absence of detectable features. No features associated with Feature 6 could be distinguished. They profiled the north and east walls.

"Our soil is sterile at about 1.05 feet."

- Jessica Jenkins [NSF-REU student]

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**BLOCK 9 LOT 4
EXCAVATION UNIT 3 (N20 E5)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 6/2	SILTY LOAM	760.3188 ft	760.1328 ft	Located in the topsoil, Level A1 yielded refined earthenware, brick, metal, and one piece of rubber hose. Archaeologists sampled brick, slag, and mortar. Artifacts are found throughout level.
I	A2	PLOW ZONE	10YR 5/2	SILTY CLAY	760.1328 ft	760.0736 ft	Level A2 is a shallow plow zone. Artifacts decreased in this level and included ceramics, bone, and metal.
B	B1	SUBSOIL	10YR 4/2	SILTY CLAY	760.0736 ft	759.5592 ft	Level B1 is subsoil and this level's last excavated .3 ft is sterile. Archaeologists recovered ceramics, glass, and metal from the first .2 ft of the level. No features associated with Feature 6 could be discerned.

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Excavation Unit 4 (N55 E5)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 4 to explore anomalies recorded in the 2005 geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 758.6704 ft above median sea level (amsl) and average closing elevation is 758.4576 ft amsl. Level A1 is plow zone and is 10YR 5/3 (brown) silty loam. At the base of Level A1, subsoil is visible in the west half of the unit. The team recovered artifacts from throughout the unit, which included ceramics, metal, clinker/slag, brick, mortar, glass, and one snail shell. They collected representative samples of brick, mortar, and slag/clinker.

“Andrea and I have been digging in Unit 4. It looks like the plow level is high - in some spots less than 0.5 feet”

- Elizabeth Davis [UIUC student]

Archaeologists began Level A2 as a 0.5 ft arbitrary level in the east half of the unit. Level A2's average opening elevation is 758.4576 ft amsl and average closing elevation is 758.4224 ft amsl. Level A2 is plow zone and is 10YR 5/3 (brown) silty loam. The soil's color change at the base of the level indicated the start of a stratum below the plow zone. The plow zone is shallow in this unit like Excavation Units 2 and 3. The amount of recovered artifacts decreased in this level. Archaeologists found artifacts that included ceramics, glass, metal, and slag. The team sampled slag. At the base of Level A2, archaeologists discontinued excavations due to the low density of artifacts, soil color and texture, and absence of detectable features. The team profiled the north and west walls.

“There seem to be a lot of what we think are historic plow scars within these units.”

- Andrea Torvinen [NSF-REU student]

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**BLOCK 9 LOT 4
EXCAVATION UNIT 4 (N55 E5)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 5/3	SILTY LOAM	758.6704 ft	758.4576 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, and metal. Artifacts are found throughout level. At the base of this level, subsoil is visible in the west half of the unit.
I	A2	PLOW ZONE	10YR 5/3	SILTY LOAM	758.4576 ft	758.4224 ft	Level A2 is a shallow plow zone. Artifacts decreased in this level and included ceramics, glass, and metal. Archaeologists excavated the east half of the unit until the top of the subsoil became visible.

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Excavation Unit 5 (N65 E30)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 5 to explore anomalies recorded in the 2005 geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 757.5086 ft above median sea level (amsl) and average closing elevation is 757.4432 ft amsl. Level A1 is plow zone and is 10YR 5/3 (brown) silty loam. At the base of Level A1, subsoil is visible in the entirety of Excavation 5 except the northeast corner and the team excavated the level following the contour of the historic plow zone. The team recovered artifacts from throughout the unit, which included brick, mortar, glass, ceramics, metal, clinker/slag, and pieces of modern tarp. They collected representative samples of brick, mortar, and slag/clinker.

"It is hard to decipher in some areas what is plow zone and what is subsoil."
- Jessica Jenkins [NSF-REU student]

"The day ended abruptly with severe weather, so we went home early."
- Caitlin Bauchat [NSF-REU student]

Archaeologists began Level A2 as a 0.5 ft arbitrary level in the northeast corner of the unit. They followed the contour of the historic plow zone as in Level A1. Level A2's average opening elevation is 757.4432 ft amsl and average closing elevation is 757.3686 ft amsl. Level A2 is plow zone and is 10YR 5/3 (brown) silty loam. The soil's color change at the base of the level indicated the top of subsoil below the plow zone. The plow zone is shallow in this unit like Excavation Units 2, 3, and 4. The amount of recovered artifacts decreased in this level. Archaeologists found only one piece of glass. At the base of Level A2, archaeologists discontinued excavations due to the low density of artifacts, soil color and texture, and absence of detectable features. The team profiled the north and east walls.

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**BLOCK 9 LOT 4
EXCAVATION UNIT 5 (N65 E30)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 5/3	SILTY LOAM	757.5086 ft	757.4432 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, and metal. Artifacts are sparse in this level. At the base of this level, subsoil is visible in the entirety of the unit except the northeast corner. The contours of the historic plow zone are visible.
I	A2	PLOW ZONE	10YR 5/3	SILTY LOAM	757.4432 ft	757.3686 ft	Level A2 is a shallow plow zone. Artifacts decreased in this level and only piece of glass was recovered. Following the contour of the historic plow zone, archaeologists excavated the northeast corner of the unit until the top of the subsoil became visible.

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Excavation Unit 6 (N60 E25)

Archaeologists began the excavation of Block 9 Lot 4 Excavation Unit 6 to explore anomalies recorded in the 2005 geophysical survey. They excavated Level A1 as a 0.5 ft arbitrary level. Level A1's average opening elevation is 758.1276 ft above median sea level (amsl) and average closing elevation is 757.943 ft amsl. Level A1 is plow zone and is 10YR 5/3 (brown) silty loam. After excavating .2 ft of Level A1, subsoil is visible in the entirety of Excavation 5. Archaeologists followed the contour of the historic plow zone as in Excavation Unit 5. The plow zone is shallower in this unit than Excavation Units 2, 3, 4, and 5. The team recovered artifacts from throughout the unit, which included ceramics, brick, clinker/slag, metal, mortar, glass, and shells. They collected representative samples of brick, mortar, and slag/clinker. At the base of Level A1, archaeologists discontinued excavations due to the low density of artifacts, soil color and texture, and absence of detectable features. The team profiled the north and east walls.

“In the plow zone, I found a lot of bits of charred plant remains which suggest a recent fire - I imagine either a planned burn to control the weeds or a natural fire from lightning or something.”

- Elizabeth Davis [UIUC student]

“This is a good experience for history majors as well. It allows you to get a better understanding of what living in a town like New Philadelphia at the time would have been like.”

- Jessica Jenkins [NSF-REU student]

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**BLOCK 9 LOT 4
EXCAVATION UNIT 6 (N65 E30)**

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER/ PLOW ZONE	10 YR 5/3	SILTY LOAM	758.1276 ft	757.9430 ft	Located in the topsoil, Level A1 yielded refined earthenware, glass, and metal. Artifacts are sparse in this level. At the base of this level, subsoil is visible in the entirety of the unit. The contours of the historic plow zone are visible.

