

# New Philadelphia

## Excavation Unit Summary Form

### Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 1 (N80 E5)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 1 to ground truth geophysical anomaly A1, defined in the 2004 geophysical survey as a magnetic and resistivity anomaly. They began with Level A1 as a 0.5 ft. arbitrary level. Level A1's average opening elevation is 760.370 ft. above median sea level (amsl) and average closing elevation is 760.232 ft. amsl. Level A1 is a layer and is composed of 7.5YR 3/2 (very dark greyish brown) sandy, dry soil. They recovered artifacts including nails, glass, ceramics, brick, mortar, metal, and coal. The high density of artifacts such as flat glass, nails, bricks, and latch hardware could suggest proximity to a structure

*“Team Z was assigned to work on Anomaly A1 in Block 3, Lot 7.”*

- Terrance Martin [crew chief]

Archaeologists excavated Level A2 as an arbitrary 0.5 ft. level. Level A2's average opening elevation is 760.232 ft. amsl and average closing elevation is 759.880 ft. amsl. Level A2 is composed of 7.5YR 3/1 (very dark grey) sandy clay. They recovered artifacts including nails, glass, ceramics, brick, mortar, wood, metal, clinker, charcoal, and plastic. The team discovered a high concentration of mortar and iron wire in the center of Excavation Unit 1. Feature 16 was uncovered in this unit and is a limestone foundation in the southeast corner of Level A2.

*“There seems to be a corner of a wall or foundation in the southeast corner of the unit.”*

- Shamia Sandles [NSF-REU student]

*“Megan found a foundation on Level A2, EU1. We’re going to open continuous units to see if it extends south.”*

- María Alejandra Nieves Colón [NSF-REU student]

Archaeologists excavated Level A3 as an arbitrary 0.5 ft. level. Level A3's average opening elevation is 759.880 ft. amsl and average closing elevation is 759.242 ft. amsl. Level A3 is composed of 7.5YR 2.5/1 (black) clay. They recovered artifacts including glass, ceramic, brick, mortar, nails, miscellaneous metal, slate, charcoal, clinker, wood, plastic, a button, and a possible gaming piece. Feature 16 runs along the southern wall. The team noticed a higher concentration of glass and nails in this level.

*“EU 1, Level A3 is giving out a lot of great artifacts. Ceramics and big pieces of earthenware. I’m excited about it even though I’m not working on it.”*

- María Alejandra Nieves Colón [NSF-REU student]

*“[The] soil was pretty easy to remove – it was pretty soft.”*

- Megan Bailey [volunteer]

## **Feature 16**

Feature 16 is a limestone foundation along the southern wall of Block 3 Lot 7 Excavation Unit 1. Within Excavation Unit 1 Feature 16 has the dimensions 1.5 ft. x 5.0 ft. It continues into the east and west walls of Excavation Unit 1. The team halted excavation of the unit until they could expose the outline of the foundation. Their intention was to select the most promising unit to search for a builder's trench or a possible cellar; however, the field season ended before the archaeologists reached the bottom of Feature 16 in this unit.

*“Feature 16 surely continues east into EU3, but does it have a corner in EU1 and turn south?”*

- Terrance Martin [crew chief]

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BLOCK 3, LOT 7  
 EXCAVATION UNIT 1 (N80, E5)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/2	SANDY, DRY	760.370 ft	760.232 ft	Composed primarily of the sod layer, artifacts were recovered throughout this level, and include high densities of nails, flat glass, brick, and latch hardware. Machine cut and wire nails were recovered from this level.
II	A2	SUB-SOD	7.5YR 3/1	SANDY CLAY	760.232 ft	759.880 ft	Feature 16 is apparent in this level. Feature 16 is a limestone foundation. Artifacts recovered in Level A2 include nails, flat glass, and ceramics. Machine cut and wire nails increase in this level.
II	A3	SUB-SOD	7.5YR 2.5/1	CLAY	759.880 ft	759.242 ft	Feature 16 continues in this level and is present along the entire southern wall. There is a higher concentration of nails, glass, and artifacts in general in this level. Many more machine cut nails were recovered, while less wire nails were found.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 2 (N75 E10)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 2 to ground truth geophysical anomaly A1. Excavation Unit 2 is located to the southeast of Excavation Unit 1. The team began with Level A1 as a 0.5 ft. arbitrary level. Level A1's average opening elevation is 760.691 ft. above median sea level (amsl) and average closing elevation is 760.344 ft. amsl. Level A1 is sod and is 7.5YR 3/1 (very dark grey) sandy clay. Artifacts were recovered throughout the level and include ceramics, nails, metal, glass, brick, mortar, and a bone. Feature 15 is associated with this level and is made up of a rock concentration. It covers the entirety of the base of Level A1, but is most concentrated in the northwest, northeast, and southeast.

*“I began cutting the sod in EU2 and found almost a solid ‘pavement’ of rocks on the north and east wall”*

- Terrance Martin [crew chief]

*“At first it was thought to be a foundation to a structure, but there is nothing underneath it. Now Dr. Martin thinks it is a pile of rubble.”*

- Shamia Sandles [NSF-REU student]

*“When I came back to my units, they had found porcelain doll boots in EU2 amongst rubble. All this in the sod.”*

- María Alejandra Nieves Colón [NSF-REU student]

Archaeologists excavated Level A2 as an arbitrary 0.5 ft. level. Level A2's average opening elevation is 760.344 ft. amsl and average closing elevation is 759.631 ft. amsl. Level A2 is composed of 7.5YR 3/1 (very dark grey) loam and clay. The team recovered historic artifacts including nails, glass, ceramics, brick, mortar, wood, metal, clinker, coal, possible game pieces, bone, and two lid liners. Feature 16 is apparent Excavation Unit 2 and has dimensions of 4.5 ft. x 0.3 ft. in Level A2. The team uncovered Feature 18, a possible builder's trench, surrounding Feature 16 in this level. Feature 18 measures 4.7 ft. x 1.8 ft. in Level A2.

*“Worked on excavating [Level] A2 down to 1 ft. but it was very difficult because there*

*were lots of rocks.”*

- Megan Bailey [volunteer]

*“Large quantities of nails and glass. Small amount of ceramics. Feature 16 has entered northeast corner of Unit 2.”*

- Angela Maranville [NSF-REU student]

Archaeologists excavated Level B1 as an arbitrary 0.5 ft. level. Level B1's average opening elevation is 759.631 ft. amsl and average closing elevation is 759.260 ft. amsl. Level B1 is composed of 7.5YR 2.5/1 (black) clay loam. The team observed that artifact density was lower in this level than in the others excavated. They recovered artifacts throughout the level including metal, glass, ceramics, nails, rivets, possible gaming pieces, and charcoal. Feature 16 is present in this level along the northern wall and has dimensions of 4.7 ft. x 0.4 ft. within Excavation Unit 2. Feature 18 is also present in Level B1.

*“There were very few artifacts in this stratum. Each bucket yielded only a few nails and pieces of glass.”*

- Megan Bailey [volunteer]

Archaeologists excavated Level B2 as an arbitrary 0.5 ft. level. Level B2's average opening elevation is 759.260 ft. amsl and average closing elevation is 758.949 ft. amsl. Level B2 is composed of 7.5YR 3/1 (very dark grey) sandy clay. They recovered artifacts throughout the level including nails, glass, mortar, metal, ceramic, and bone, but artifact density remained low. Feature 16 is present in this level along the northern wall and has dimensions of 5.0 ft. x 0.5 ft. and continues down into the floor of Level B2. Feature 18 is no longer present in this excavation unit.

Archaeologists excavated Level B3 as an arbitrary 0.5 ft. level. Only the northern half of the unit was excavated down to this arbitrary level, while the rest was left at the base of Level B2. Level B3's average opening elevation is 758.949 ft. amsl and average closing elevation is 758.346 ft. amsl. Level B3 is composed of 7.5YR 3/2 (very dark brown) sandy clay. They recovered a very small number of artifacts, including glass, ceramic, nails, and one button. Feature 16 is present in this level along the northern wall and has dimensions of 5.0 ft. x 0.5 ft. and continues down into the floor of Level B3. Archaeologists profiled the east, south, and north walls.

*“There were also a lot of rodent burrows. There was one along the south wall floor and the other crossed the unit diagonally.”*

- María Alejandra Nieves Colón [NSF-REU student]

### **Feature 15**

Feature 15 is a dense limestone and brick concentration under the sod layer of Block 3 Lot 7 Excavation Unit 2. It is a dense rubble of displaced rocks. Among the rocks, the archaeologists recovered many pieces of flat glass and nails. Within the unit, Feature 15 was removed by trowel. It extends through the northern, eastern, and western profiles. Block 3 Lot 7 Excavation Unit 5 was opened to the west, Excavation Unit 3 was opened to the north, and Excavation Unit 7 was opened to the west in order to explore the extent of the feature.

### **Feature 16**

Feature 16 is a limestone foundation along the southern wall of Block 3 Lot 7 Excavation Unit 2. Within Excavation Unit 2 Feature 16 has the dimensions 5.0 ft. x 0.5 ft. It continues into the east and west walls of Excavation Unit 2. The team halted excavation of the unit until they could expose the outline of the foundation. Their intention was to select the most promising unit to search for a builder's trench or a possible cellar; however, the field season ended before the bottom of Feature 16 was uncovered. The archaeologists profiled the southern and eastern walls.

### **Feature 18**

Feature 18 is a soil stain which the team at first interpreted as a builder's trench. It is located to the south of Feature 16 in Block 3 Lot 7 Excavation Unit 2 Levels A2-B1, with dimensions of 2.4 ft. (E-W) x 1.0 ft. (N-S). It is distinguished by a mortar concentration, as well as a soil stain. The feature extends through the eastern profile of Excavation Unit 2, so archaeologists opened Excavation Unit 7 to the east to pursue the feature.

*“Maria took a 10-liter flotation sample from EU2, Feature 18 – the builder’s trench. After the sample was collected, we noticed that the ‘builder’s trench’ had disappeared!”*

- Terrance Martin [crew chief]

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BLOCK 3, LOT 7  
EXCAVATION UNIT 2 (N75, E10)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/1	SANDY CLAY	760.691 ft	760.344 ft	Composed primarily of the sod layer, with Feature 15, a dense rubble layer, immediately underneath. Machine cut and wire nails, as well as many pieces of flat glass were recovered from the level.
II	A2	SUB-SOD	7.5YR 3/1	CLAY LOAM	760.344 ft	759.631 ft	Concentrations of lime and mortar were found beneath Feature 15 in Level A2. Artifacts recovered were numerous and diverse, and particularly numerous were wire nails, glass, and metal. Feature 18 is apparent in this level as a mortar concentration along Feature 16 against the north wall.
II	B1	SUB-SOD	7.5YR 2.5/1	CLAY	759.631 ft	759.260 ft	Feature 16 and Feature 18 continue in this level. Except for machine cut nails, artifact density is lower.
II	B2	SUB-SOD	7.5YR 3/1	SANDY CLAY	759.260 ft	758.949 ft	Feature 16 continues into this level, but very few artifacts were recovered. Machine cut nails recovered.
II	B3	SUB-SOD	7.5YR 3/2	SANDY CLAY	758.949 ft	758.346 ft	Only the northern half of this unit was excavated, and very few artifacts were recovered. Feature 16 extends below the base of this level. Machine cut nails recovered.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 3 (N80 E10)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 3 follow the limestone slab wall foundation known as Feature 16. Additionally, the team hoped to find the continuation of Feature 18. They opened Excavation Unit 3 to the east of Excavation Unit 1 and to the north of Excavation Unit 2. They began with Level A1 as a 0.5 ft. arbitrary level. Level A1's average opening elevation is 760.389 ft. above median sea level (amsl) and average closing elevation is 760.156 ft. amsl. Level A1 is sod and is composed of 7.5YR 3/1 (very dark grey) sandy clay. The team recovered wood, ceramics, glass, nails, lithics, metal, and two possible game pieces from throughout the level. The team uncovered Feature 15 in this level, which consisted of a dense scatter of rock and brick.

*“Soil was much easier to work with since it had rained so much. The bug situation has also improved, but not when you’re working next to the tall grass.”*

- Megan Bailey [volunteer]

*“I am excited to see what we might find. EU1 and EU2 had features that might relate to a house. I hope we find a cellar.”*

- Shamia Sandles [NSF-REU student]

Archaeologists excavated Level A2 as an arbitrary 0.5 ft. level. Level A2's average opening elevation is 760.156 ft. amsl and average closing elevation is 759.858 ft. amsl. Level A2 is composed of 7.5YR 4/3 (brown) clay. The team recovered historic artifacts including nails, ceramics, possible game pieces, metal, glass, brick, mortar, wood, charcoal, clinker, bone, and one lithic. Feature 15 was removed with this level, and architectural artifacts were abundant beneath this feature. Feature 16 is present in Excavation Unit 3 along the south wall.

*“RAIN AT LAST!!! The curse has been broken.”*

- Shamia Sandles [NSF-REU student]

*“Unit 3 smells like hog. It’s very strange. Could it be a pig pen?”*

- María Alejandra Nieves Colón [NSF-REU student]

*“Shamia and Megan continued trowelling Level A2 and exposed Feature 16 once again (hurray!!), and it appears to extend all the way to the eastern edge.”*

- Terrance Martin [crew chief]

The team excavated Level B1 as an arbitrary level of 0.5 ft. Level B1’s average opening elevation is



759.858 ft. amsl and average closing elevation is 759.249 ft. amsl. Level B1 is made up of two soils, 7.5YR 5/6 (yellowish brown) sand in the eastern portion of Excavation Unit 3 and 7.5YR 2.5/2 (very dark brown) clay in the western. There is mottling in the northeast corner between these two soils. Historic artifacts were recovered by the team throughout the level and these include ceramics, clinker, brick, mortar, bone, possible gaming pieces, charcoal, glass, nails, and metal. Feature 16 is present in this level, and extends along the entire southern wall. Its dimensions are 1.2 ft. x 5.0 ft.

*“For the first half of the day we took EU3 down another level. It was hell. The soil was like a fragile rock.”*

- Shamia Sandles [NSF-REU student]

*“The largest number of artifacts (105) fell within the miscellaneous metal category, probably because we found a ring of rusty metal bits (possibly the former location of a drain pipe) in the SE corner.”*

- Megan Bailey [volunteer]

*“Work started on Unit 3 Level B1. Found bottle neck and glass.”*

- Angela Maranville [NSF-REU student]

### **Feature 15**

Feature 15 is present in Levels A1 and A2 of Block 3 Lot 7 Excavation Unit 3. The archaeologists determined that Feature 15 continued from Block 3 Lot 7 Excavation Unit 2 to the south. This feature is a dense scatter of limestone fragments, small rocks, and brick fragments. Feature 15 as it was present in Excavation Unit 3 was removed with the excavation of these levels. There was a high density of architectural artifacts associated with this feature. It is likely that Feature 15 extends to the east of Excavation Unit 3, but the archaeologists were unable to determine this due to time constraints.

*“EU3 has rock rubble from Feature 15 extending into the unit. With both EU2 and 3 opened, the largest concentration of rocks appears to run west to east along the north edge of EU2.”*

- Terrance Martin [crew chief]

### **Feature 16**

Feature 16 is present in Block 3 Lot 7 Excavation Unit 3 in Level A2 and extends through the base of Level B1. Its dimensions in Level B1 are approximately 5.0 ft. (E-W) x 1.2 ft. (N-S). The feature is a limestone foundation wall that extends through the south, east, and west walls of Excavation Unit 3. Historic artifacts are found throughout the levels surrounding Feature 16, but no builder's trench is associated with this structure.

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BLOCK 3, LOT 7  
 EXCAVATION UNIT 3 (N80, E10)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/1	SANDY CLAY	760.389 ft	760.156 ft	Composed primarily of the sod layer, with Feature 15, a dense rubble layer, immediately underneath. Machine cut and wire nails recovered.
II	A2	SUB-SOD	7.5YR 4/3	CLAY LOAM	760.156 ft	759.858 ft	Architectural artifacts (e.g. flat glass and nails) were found beneath Feature 15 in Level A2. Feature 16 is apparent in this level along the southern wall. There is an increase in machine cut and wire nails recovered.
II	B1	SUB-SOD	7.5YR 5/6 7.5YR 2.5/2	SAND, CLAY	759.858 ft	759.249 ft	Feature 16 continues through the base of this level, as well as through the south, west, and east walls. Architectural artifacts continued to be present in this level. Significantly more machine cut nails than wire nails recovered.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Alley West of Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 4 (N80 E0)

Archaeologists began excavation of Block 3 Alley West of Lot 7 Excavation Unit 4 follow the limestone slab wall foundation known as Feature 16. The unit was opened to the west of Block 3 Lot 7 Excavation Unit 1. They attempted to discern the western boundary of Feature 16. The team excavated Level A1 as an arbitrary 0.5ft level. Level A1's average opening elevation is 760.612 ft. above median sea level (amsl) and average closing elevation is 760.365 ft. amsl. Level A1 is primarily made up of a sod layer, and the soil has a color of 7.5YR 3/1 (very dark grey) with a consistency of sandy clay. Historic artifacts were recovered by the archaeologists throughout Level A1 and include brick, ceramics, clinker, mortar, charcoal, possible gaming pieces, glass, nails, and metal.

*"Worked on Unit 4. Lots of ants!"*

- Megan Bailey [volunteer]

*"Dr. Martin thinks that whoever owned the alley and adjacent lot just built across it."*

- María Alejandra Nieves Colón [NSF-REU student]

Archaeologists excavated Level A2 as a 0.5 ft. arbitrary level. Level A2's average opening elevation is 760.365 ft. amsl and average closing elevation is 759.962 ft. amsl. Level A2 is plowzone with a color of 7.5YR 3/1 (very dark grey) and a texture of dry, sandy clay. The team recovered historic artifacts throughout the level including glass, nails, metal, charcoal, brick, ceramic, mortar, possible gaming pieces, one buckle, and one star button.

*"Dr. Martin is very determined and encouraging. He also doesn't care how many breaks I take."*

- Shamia Sandles [NSF-REU student]

The team excavated level A3 to match the base of Level A2 in Block 3 Lot 7 Excavation Unit 1. Level A3's average opening elevation is 759.962 ft. amsl and average closing elevation is 759.756 ft. amsl. The soil of Level A3 is 7.5YR 3/1 (very dark grey) and has a texture that varies from clay to sandy clay. Relatively few artifacts were recovered from this unit by the team, and include glass, brick, ceramic, nails, and metal. There is a mortar concentration in the southeast corner of this level.

*"EU4 was quickly excavated to 1.5 foot below surface as measured n the SW corner."*

*Many iron artifacts were found in the northern portion of the unit, and the texture continues to be soft – still in disturbed levels.”*

- Terrance Martin [crew chief]

Archaeologists excavated Level B1 as an arbitrary level of 0.5ft. The average opening elevation of Level B1 is 759.756 ft. amsl and the average closing elevation of the level is 759.604 ft. amsl. The level is below the modern plowzone, has a color of 7.5YR 3/1 (very dark grey), and a texture of moist sandy loam. There are charcoal specks in this level, particularly concentrated in the northern portion of Excavation Unit 4. The team recovered historic artifacts from Level B1 including glass, ceramic, brick, clinker, charcoal, nails, metal, teeth, mortar, and possible gaming pieces. Feature 16 is present in the southeast corner of Level B1 and has the dimensions 1.0 ft. x 0.4 ft. within the unit.

*“Angie and I have been screening the soil from EU4, [Level] B1. It’s very strange because the soil is pretty barren and sterile. It contrasts tremendously with the high artifact density we’ve been having on the rest of the units.”*

- María Alejandra Nieves Colón [NSF-REU student]

The team excavated level B2 as an arbitrary level of 0.5 ft. The average opening elevation of Level B2 is 759.604 ft. amsl and the average closing elevation is 759.360 ft. The level is composed of 7.5YR 3/1 (very dark grey) soil in the southeast corner and 7.5YR 3/3 (dark brown) over the rest of the level. The soil of Level B2 has a texture of sandy loam. Relatively few artifacts were recovered by the archaeologists. Historic artifacts include glass, ceramics, and nails. Feature 16 is still present in the southeast corner of this unit.

*“I took out Level B2 in EU4 and still found no compacted soil.”*

- Terrance Martin [crew chief]

Archaeologists opened Level B3 as an arbitrary level of 0.5 ft. The average opening elevation of Level B3 is 759.360 ft. and the average closing elevation is 759.071 ft. The soil of Level B3 is 7.5YR 4/2 (dark greyish brown) with a texture of sandy loam. The team recovered few artifacts including one ceramic sherd, chert, and metal.

*“The foundation looks pretty deep.”*

- María Alejandra Nieves Colón [NSF-REU student]

Block 3 Alley West of Lot 7 Excavation Unit 4 was closed due to time constraints. Feature 16 extends through the base of Level B3 and into Excavation Unit 1 to the east. Also present in the unit is the corner where another limestone foundation wall (Feature 17) joins Feature 16.

### **Feature 16**

Feature 16 is present in the extreme southeast corner of Block 3 Alley West of Lot 7 Excavation Unit 4, with dimensions of 0.4 ft. (E-W) x 1.3 ft (N-S). It is characterized by large limestone foundation slabs. The large stone in the center of the unit may be perhaps a displaced stone from Feature 16. The feature extends through the base of Excavation Unit 4.

### **Feature 17**

Feature 17 is a limestone wall foundation that runs north to south, perpendicular to Feature 16. Within

the southeast corner of Block 3 Alley West of Lot 7 Excavation Unit 4, the feature has dimensions of 0.4 ft. (E-W) x 1.3 ft (N-S) at the base of Level B3. Feature 17 extends through the southern profile, as well as through the base of Excavation Unit 4. Archaeologists opened Excavation Unit 6 to the south to further explore the extent of Feature 17.

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BLOCK 3, ALLEY WEST OF LOT 7  
EXCAVATION UNIT 4 (N80, E0)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/1	SANDY CLAY	760.612 ft	760.365 ft	Composed primarily of the sod layer, the level still had a high density of artifacts, particularly flat glass, nails, and ceramics. Machine cut and wire nails recovered.
II	A2	PLOW ZONE	7.5YR 3/1	DRY SANDY CLAY	760.365 ft	759.962 ft	The high density of flat glass, nails, and ceramics continues in this level. Machine cut and wire nails recovered.
II	A3	PLOW ZONE	7.5YR3/1	CLAY, SANDY CLAY	759.962 ft	759.756 ft	Though a large number of nails were found throughout this level, artifact density began to drop. The number of wire nails recovered decreased, but the number of machine cut increased.
II	B1	SUB MODERN PLOW ZONE	7.5YR 3/1	MOIST SANDY LOAM	759.756 ft	759.604 ft	Machine cut nails and pig teeth were recovered from this level, and Feature 16 became apparent in the southeast corner.
II	B2	SUB MODERN PLOW ZONE	7.5YR 3/1 7.5YR 3/3	SANDY LOAM	759.604 ft	759.360 ft	Feature 16 continues into this level, but very few artifacts were recovered. Machine cut nails present.
II	B3	SUB MODERN PLOW ZONE	7.5YR 3/2	SANDY CLAY	759.360 ft	759.071 ft	Very few artifacts were recovered, including machine cut nails. Feature 16 continues below the base of this level.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

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### Excavation Unit 5 (N75 E5)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 5 in an attempt to follow the limestone slab wall foundation known as Feature 16. The unit was opened to the south of Excavation Unit 1 and to the west of Excavation Unit 2. Level A1 was excavated by the team to an arbitrary depth of 0.5 ft. The average opening elevation of Level A1 is 760.644 ft. above median sea level (amsl), and the average closing elevation is 760.140 ft. amsl. This level is predominantly sod, with a soil color of 7.5YR 3/1 (very dark grey) and a texture of sandy clay. Historic artifacts were found by the team throughout Level A1, and these include wood, mortar, ceramic, nails, bone, metal, possible gaming pieces, glass, one button, one doll's leg, and one zinc cap. Feature 15 is present along the eastern edge of the unit, and rocks were left on pedestals in this level to show their locations relative to Feature 15 in Excavation Unit 2.

*"This morning we found the ground at the site 'bone dry,' despite the heavy rain we experienced at the lodge last evening after work."*

- Terrance Martin [crew chief]

*"This unit might have been a trash dump."*

- Megan Bailey [volunteer]

*"Ceramics not as prevalent, but found doll leg to match the doll feet."*

- Angela Maranville [NSF-REU student]

The team excavated Level A2 as a 0.5ft arbitrary level. The average opening elevation was 760.140 ft. amsl, and the average closing elevation was 759.761 ft. amsl. This level is an unplowed sub-sod level with soil that is 7.5YR 3/1 (very dark grey) sandy clay. The archaeologists recovered a comparatively large number historic artifacts throughout the level, including brick, wood, charcoal, bone, ceramics, mortar, metal, glass, nails, possible game pieces, one doll part, and one elephant charm compass. A limestone wall was uncovered in this level extending across the western edge of the unit. This has been designated Feature 17 and is present in Excavation Unit 5 for 5.0 ft. x 0.8 ft. Feature 16 is also present in the level, in the form of isolated stones in the northeast corner.

*"High concentrations of lime and mortar, especially in the walls."*

- Megan Bailey [volunteer]

*"Started Level A2 in Unit 5. Immediately found glass from the mason jars."*

- Angela Maranville [NSF-REU student]

Archaeologists excavated Level B1 as an arbitrary 0.5 ft. level. The average opening elevation for the level is 759.761 ft. amsl, while the average closing elevation was 759.284 ft. amsl. The soil of this level is 7.5YR 3/1 (very dark grey) sandy clay. Artifacts recovered include ceramics, glass, possible gaming pieces, nails, mortar, charcoal, bone, metal, and one button. Feature 16 and Feature 17 join in this level, forming a right angle in the northwest corner of Level B1. Feature 16 has dimensions of 5.0 ft. x 0.3 ft. in this level, while Feature 17 has dimensions of 0.7 ft. x 5.0 ft.

*“Very few artifacts in the soil, therefore we did a lot of shoveling and finished very quickly.”*

- Megan Bailey [volunteer]

Archaeologists halted excavation of Block 3 Lot 7 Excavation Unit 5 due to time constraints. They profiled the east, south, and north walls. Features 16 and 17 extend through the base of Excavation Unit 5. Feature 16 extends through the east, west, and north walls, while Feature 17 extends through the north, south, and west walls of the unit.

### **Feature 15**

Feature 15 is a dense rubble of stone and brick present along the eastern edge of Block 3 Lot 7 Excavation Unit 5 Level A1. The archaeologists determined that the feature extended from Block 3 Lot 7 Excavation Unit 2 to the east. The feature was removed with the excavation of Level A1.

### **Feature 16**

Feature 16 is a limestone foundation wall. It is present along the northern edge of Block 3 Lot 7 Excavation Unit 5, and extends through the north, east, and west walls as well as the base of Level B1. The feature is present Level B1 with the dimensions of 5.0 ft. (E-W) x 0.3 ft. (N-S).

### **Feature 17**

Feature 17 is a limestone foundation wall oriented perpendicular to Feature 16 (running north-south). The features join together in the northwest corner of Block 3 Lot 7 Excavation Unit 5. The archaeologists determined that Feature 17 extends from Block 3 Lot 7 Excavation Unit 1 to the north. The feature is present Level B1 with the dimensions of 0.8 ft. (E-W) x 5.0 ft. (N-S). Feature 17 continues through the southern and western profiles. The archaeologists opened Excavation Units 8 and 6 to the south and west to further explore the feature.



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BLOCK 3, LOT 7  
 EXCAVATION UNIT 5 (N75, E5)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/1	SANDY CLAY	760.644 ft	760.140 ft	Composed primarily of the sod layer, the level still had a high density of artifacts and a light scatter of rocks interpreted as Feature 15. Significantly more wire nails than machine cut nails recovered.
II	A2	SUB-SOD	7.5YR 3/1	SANDY CLAY	760.140 ft	759.761 ft	The high density of flat glass, nails, and ceramics continues in this level. Additionally there are canning jars, milkglass lid liners, and zinc lid fragments. Significantly more machine cut nails than wire nails recovered.
II	B1	SUB-SOD	7.5YR 3/1	SANDY CLAY	759.761 ft	759.284 ft	Artifact density was much lower than in the two previous levels. Nails were most common. Machine cut nails recovered.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 6 (N75 E0)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 6 in an attempt to follow the limestone wall foundation known as Feature 17. The unit was opened to the south of Excavation Unit 4 and to the west of Excavation Unit 5. This is a half unit opened in order to expose Feature 17 to the south. The west half of this unit should represent the alley west of Lot 7. The team excavated Level A1 as a 0.5 ft. arbitrary level. The level's average opening elevation is 760.971 ft. above median sea level (amsl) and its average closing elevation is 760.453 ft. amsl. Level A1 is a sod layer with 7.5YR 3/1 (very dark grey) loam soil. The team recovered historical artifacts from throughout the level, including nails, glass, ceramics, clinker, possible game pieces, and metal.

*"I intend to concentrate on rapidly excavating EU6 to fully reveal Feature 17."*

- Terrance Martin [crew chief]

Archaeologists excavated Level A2 to an arbitrary level of 0.5 ft. The average opening elevation of the level was 760.453 ft. amsl and the average elevation on closing was 759.920 ft. amsl. The soil was 7.5YR 3/1 (very dark gray) loam. Artifacts recovered by the team include mortar, bones, clinker, charcoal, ceramics, glass, metal, nails, and possible game pieces. Feature 17 is apparent along the eastern side of this level.

*"Forced to leave because of rain!"*

- Megan Bailey [volunteer]

*"Although it's a small unit, just 2.5 x 5 ft., it took us all morning and half the afternoon. It's rocky, it has a lot of mortar and rocks on its western side."*

- María Alejandra Nieves Colón [NSF-REU student]

The team excavated Level A3 as an arbitrary level of 0.5 ft. The average opening elevation of the level was 759.920 ft. amsl and the closing elevations average to 759.479 ft. amsl. Level A3 is composed of 7.5YR 3/1 sandy loam. Archaeologists recovered historic artifacts from across the unit including ceramics, nails, metal, one bone, and a possible gaming piece. Feature 17 is visible in this unit with dimensions of 1.0 ft. x 5.0 ft.

Though Feature 17 extends through the base of A3, the archaeologists did not continue excavation due to a lack of time. Block 3 Lot 7 Excavation Unit 6 was closed.

**Feature 17**

Feature 17 is a limestone foundation wall. It extends through the base of Level A3, as well as through the north, south, and east walls. Further excavations revealed that Feature 17 is much more shallow than Feature 16, and if the archaeologists had removed another level from Excavation Unit 6, the base of the feature would likely have been revealed. In Block 3 Lot 7 Excavation Unit 6 Feature 17 was present along the eastern wall with dimensions of 1.0 ft. (E-W) x 5.0 ft. (N-S).

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BLOCK 3, LOT 7  
 EXCAVATION UNIT 6 (N75, E0)

<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	7.5YR 3/1	LOAM	760.971 ft	760.453 ft	The level is primarily sod. Flat glass and other architectural artifacts were abundant. More machine cut nails than wire nails recovered.
II	A2	PLOWZONE	7.5YR 3/1	LOAM	760.453 ft	759.920 ft	Architectural artifacts continue to be prevalent, particularly nails. Machine cut nails recovered.
II	A3	PLOWZONE	7.5YR 3/1	SANDY LOAM	759.920 ft	759.479 ft	Artifact density decreases in this level relative to Levels A1 and A2. Feature 17 continues into the base of this level. Machine cut nails recovered.

# New Philadelphia

## Excavation Unit Summary Form

### Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 7 (N75 E15)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 7 in order to uncover the northeast corner of the structure defined by the wall foundation running east to west (Feature 16) and the wall foundation that runs north to south (Feature 17). Excavation Unit 7 is to the east of Excavation Unit 2. The team began Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of Level A1 is 760.799 ft. above median sea level (amsl) and the average closing elevation is 760.518 ft. amsl. The level is mostly comprised of a sod layer, with 7.5YR 2.5/2 (very dark brown) sandy clay. There are rock inclusions across the entire base of the level, which makes up approximately 10% of the level. The team recovered historic artifacts from throughout the level, including mortar, clinker, rubber, bone, possible game pieces, nails, charcoal, ceramics, wood, glass, metal, shell fragments, one bead, one bullet casing, and one button.

*“We opened EU7. The top layer is a continuation of Feature 15 from EU2. That was a pain to try to excavate.”*

- Shamia Sandles [NSF-REU student]

*“Took off sod layer – very difficult to screen and shovel because there was an unusually large number of roots and rocks. This unit was more difficult than the others (except maybe EU2).”*

- Megan Bailey [volunteer]

Archaeologists excavated Level A2 as an arbitrary level of 0.5 ft. The average opening elevation of the level is 760.518 ft. amsl, and the average closing elevation is 760.320 ft. amsl. Level A2 is comprised of 7.5YR 2.5/2 (very dark brown) sandy clay. The team recovered historic artifacts from throughout the level, such as ceramics, bone, mortar, possible game pieces, charcoal, metal, glass, clinker, wood, nails, one bullet, one flake, zinc lid liners, one bead, and one metal San Francisco badge. There is a heavy mortar concentration along the eastern wall and in the southeast corner.

*“A huge piece of twisted metal is coming out of the north end of the east wall and goes back deep into the south end of the east wall. We couldn’t pull it out without wrecking the east wall.”*

- Megan Bailey [volunteer]

*“We found a bullet and a blue glass bead that’s identical to a bead found on the upper level.”*

- María Alejandra Nieves Colón [NSF-REU student]

The team excavated Level B1 as an arbitrary level of 0.5 ft. The average opening elevation for Level B1 is 760.320 ft. amsl, and the average closing elevation is 759.999 ft. amsl. The soil of this level has a color of 7.5YR 3/1 (very dark gray) with a texture of sandy loam and heavy mortar inclusions, except for the southeast corner which has a color of 7.5YR 4/6 (strong brown) and a texture of sandy clay. Many historic artifacts were recovered by the team, including nails, ceramics, mortar, bone, charcoal, glass, metal, possible gaming pieces, and one cosmetic bottle. There is a less than 5% rock inclusion that could potentially be a part of Feature 16.

*“We found a lot of artifacts. The most amazing came from the southeast corner. It was a metal piece very similar to the ‘Illinois State Fair’ badge they found before, except this one said ‘San Francisco.’”*

- María Alejandra Nieves Colón [NSF-REU student]

*“Within EU7, once the ‘modern’ demolition debris was cleaned up, we found a bizarre large clear glass ‘jar’ that was unique for its double-ring lip.”*

- Terrance Martin [crew chief]

Archaeologists excavated Level B2 as an arbitrary level of 0.5 ft. The average opening elevation for the level was 759.999 ft. amsl, and the average closing elevation was 759.656 ft. amsl. Level B2 is made up of 7.5YR 3/1 (very dark gray) sandy loam. There are mortar inclusions in the north and east sides of the level, though it is less dense than in Level B1. The team recovered historic artifacts such as nails, metal, mortar, glass, possible game pieces, charcoal, wood, ceramics, and one antique vessel. Feature 16 is visible along the northern side of Level B2 with the measurements 2.9 ft. x 0.5 ft. Along the eastern edge there is a limestone wall foundation. Archaeologists designated this Feature 21, and it has dimensions of 0.8 ft. x 4.1 ft.

*“We found another long condiment bottle. This one was different though because it had a pattern of circular rings around it.”*

- María Alejandra Nieves Colón [NSF-REU student]

Archaeologists excavated Level B3 to as an arbitrary 0.5 ft. level. The average opening elevation was 759.656 ft. amsl for the level, and the average closing elevation was 759.296 ft. amsl. The level is predominantly made up of 7.5YR 3/1 (very dark gray) sandy clay, with a 7.5YR 4/6 (strong brown) clay inclusion in the southeast corner of the unit. The mortar has thinned out, but is still present to a lesser degree in the southeast corner. The floor of Level B3 has a large assemblage of whole or nearly whole plates and bottles, and there are fragments of iron along the south end of the unit. Artifacts were recovered from throughout the unit, including nails, mortar, charcoal, possible game pieces, metal, ceramics, glass, and one metal harmonica. The team uncovered Feature 16 along the entire northern edge of the unit, where it measures 5.0 ft. x 0.6 ft. The team uncovered Feature 21 along the eastern side of Level B3. It measures 0.9 ft. x 5.0 ft.

*“Just before lunch a four foot-long snake appeared in EU7 as I was trowelling.”*

- Terrance Martin [crew chief]

*“In these areas, we found broken bottles (rather than random glass).”*

- Megan Bailey [volunteer]

The team opened Level B4 as a 0.5 ft. arbitrary level. The average opening elevation was 759.296 ft. amsl, and the average elevation on closing was 758.851 ft. amsl. This level is 7.5YR 3/1 (very dark gray) sandy clay with some 7.5YR 3/2 (dark brown) mottling throughout the unit. Archaeologists recovered historic artifacts including mortar, ceramic, glass, possible game pieces, charcoal, metal, nails, one button, one bone, and one clinker. The limestone foundation identified as Feature 16 is present in this level and measures 5.0 ft. x 0.6 ft. Feature 21 continues in this level and measures 0.9 ft. x 5.0 ft.

*“The ‘glass graveyard’ seems to have ended. The amount of large objects has drastically decreased.”*

- Megan Bailey [volunteer]

Archaeologists opened Level B5 as an arbitrary level of 0.5 ft. The average opening elevation was 758.851 ft. amsl, and the average closing elevation was 758.339 ft. amsl. The level is made up of subsoil which is mottled between 7.5YR 3/2 (dark brown) and 7.5YR 4/4 (brown) but has a consistent texture of sandy loam. The team recovered relatively few artifacts, including ceramics, glass, nails, and metal. Features 16 and 21 are again present within the level, in the same position as in the level above.

The team opened Level B6 as a half level, excavating the northern half of Excavation Unit 7 as an arbitrary level of 0.5 ft. The average opening elevation of the level was 758.339 ft. amsl. The average closing elevation of Level B6 was 757.752 ft. amsl. The level is made up of subsoil that is 7.5YR 5/6 (strong brown) with a texture of clay. The team recovered only one artifact from the level, a glass shard. Feature 16 occupies the northern edge of the level, where it measures 5.0 ft. x 0.5 ft. Feature 21 is present along the eastern edge of Level B6 where it measures 0.7 ft. x 2.5 ft. The bottoms of both features were detected in this level.

*“Tip: If you don’t want to mess up your unit with footprints, work in your socks. I saw Dr. Martin doing this.”*

- Megan Bailey [volunteer]

Since the bases of Feature 16 and Feature 21 were discovered in Level B6, archaeologists closed Excavation Unit 7. The team profiled the east, south, and north walls.

### **Feature 15**

Feature 15 is a dense limestone and brick concentration immediately under the sod layer of Block 3 Lot 7 Excavation Unit 7. The archaeologists determined that the feature extended into this unit from Block 3 Lot 7 Excavation Unit 2 to the west. Feature 15 extends through Levels A1 and A1 of Excavation Unit 7 and was removed with the excavation of these levels.

### **Feature 16**

Feature 16 is a limestone wall foundation that is present along the northern edge of Block 3 Lot 7 Excavation Unit 7. It extends into the northern, eastern, and western profiles of the unit. The matrix beneath Feature 16 is 7.5YR 5/6 (strong brown) clay. Feature 16’s dimensions are 5.0 ft. (E-W) x 0.5 ft. (N-S) in Block 3 Lot 7 Excavation Unit 7. The feature ends in Level B6 of the unit.

**Feature 18**

Feature 18 is a soil stain which the team at first interpreted as a builder's trench. The archaeologists then determined that the feature was a mortar and lime lens. It is south of Feature 16 in Block 3 Lot 7 Excavation Unit 7, Levels A2-B2. It is distinguished by a mortar concentration, as well as a soil stain.

**Feature 21**

Feature 21 is a limestone wall foundation that is present along the eastern edge of Block 3 Lot 7 Excavation Unit 7. It extends into the northern, eastern, and southern profiles of the unit. The matrix beneath Feature 21 is 7.5YR 5/6 (strong brown) clay. Feature 21's dimensions are 0.8 ft. (E-W) x 5.0 ft. (N-S) in Block 3 Lot 7 Excavation Unit 7.



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BLOCK 3, LOT 7  
EXCAVATION UNIT 7 (N75, E15)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 2.5/2	SANDY CLAY	760.799 ft	760.518 ft	Rubble scattered throughout the unit along with a high density of artifacts, notably wire and sheet metal. Wire and machine cut nails recovered.
II	A2	SUB-SOD	7.5YR 2.5/2	SANDY CLAY	760.518 ft	760.320 ft	High artifact density, particularly in the southeast corner. There is a heavy concentration of mortar across the unit and in the southern and western profiles. Wire and machine cut nails recovered.
II	B1	SUB-SOD	7.5YR 3/1 7.5YR 4/6	SANDY LOAM, SANDY CLAY	760.320 ft	759.999 ft	Mortar concentration continues, as well as modern-looking debris. Significantly more wire than cut nails recovered.
II	B2	SUB-SOD	7.5YR 3/1	SANDY LOAM	759.999 ft	759.656 ft	Most of the stratum consisted of modern demolition debris and modern wire nails. An antique glass vessel was also recovered from the southwest corner. Feature 16 appears in this level. Significantly more wire than cut nails recovered.
II	B3	SUB-SOD	7.5YR 3/1 7.5YR 4/6	SANDY CLAY, CLAY	759.656 ft	759.296 ft	High concentration of large associated glass shards or incomplete bottles in southwest corner and northern center of unit. The limestone foundation present in the eastern portion was designated as Feature 21. Sharp decrease in wire nails recovered, and an increase in machine cut nails.
II	B4	SUB-SOD	7.5YR 3/1 7.5YR 3/2	SANDY CLAY	759.296 ft	758.851 ft	Increase of machine cut nails and ceramics recovered. Relatively few wire nails were recovered, and there were fewer intact glass vessels.
B	B5	SUBSOIL	7.5YR 3/2 7.5YR 4/4	SANDY LOAM	758.851 ft	758.339 ft	Very few artifacts recovered. Sharp decrease in machine cut nails recovered. Features 16 and 21 extend through the base of the level.

<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	B6	SUBSOIL	7.5YR 5/6	CLAY	758.339 ft	757.752 ft	A half level, only one artifact was recovered by the team.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 8 (N70 E2.5)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 8 in order to follow the western of the two north to south wall foundations (Feature 17). Because of this, the team offset Excavation Unit 8 by 2.5 ft. so as to include Feature 17 in its entirety. Excavation Unit 8 is to the south of Excavation Units 5 and 6. The team began Level A1 as an arbitrary level of 0.5 ft. The average opening elevation of Level A1 is 761.100 ft. above median sea level (amsl), and the average elevation on closing was 760.886 ft. amsl. The level is mostly made up of sod, with soil that is 7.5YR 3/2 (dark brown) in color and has the texture of sandy loam. The team recovered historic artifacts across the level including ceramics, glass, nails, metal, and one cartridge shell.

*"I always imagined the plains to be very green and lush, but they are not."*

- Shamia Sandles [NSF-REU student]

Level A2 was excavated by the archaeologists as an arbitrary level of 0.5 ft. The average opening elevation of this level is 760.886 ft. amsl, and the average closing elevation is 760.411 ft. amsl. The level is composed of 7.5RY 3/2 (dark brown) sandy clay. There is mortar throughout the level, particularly concentrated in the northeastern part of the level and in the center above Feature 17. Archaeologists recovered historic artifacts from the level, including brick, ceramic, metal, lithics, nails, clinker, glass, bone, one possible gaming piece, and one bullet.

Archaeologists excavated Level A3 as a 0.5 ft. arbitrary level. The opening elevations for the level average to 760.411 ft. amsl. The average closing elevation for the level is 759.909 ft. amsl. The level is made up of 7.5YR 3/2 (dark brown) sandy loam soil. The team recovered artifacts from throughout the level, including ceramic, glass, mortar, charcoal, metal, one lithic, and nails. They encountered a high mortar concentration on the eastern wall and in the northeast corner of the floor. Feature 17 was uncovered in this level and occupies the center of this unit, extending into the northern and southern profiles. Its dimensions within the level are 1.2 ft. x 5.0 ft.

*"You can clearly see the foundation in its middle now."*

- María Alejandra Nieves Colón [NSF-REU student]

*"There's one very large stone that sits about 3 inches higher than the other foundation stones."*

- Megan Bailey [volunteer]

The team excavated Level B1 as an arbitrary level of 0.5 ft. The average opening elevation is 759.909 ft. amsl, and the average closing elevation is 759.427 ft. amsl. Level B1 has two types of soil, both of which have a texture of clay with sand. West of Feature 17 the soil is mottled 7.5YR 3/2 (dark brown) and 7.5YR 4/4 (brown). East of Feature 17 the soil has a color of 7.5YR 3/1 (very dark grey). There was a low density of artifacts in this level. Archaeologists decided to keep artifacts from the eastern and western side of Feature 17 separate in order to preserve their interior/exterior context. Artifacts recovered by the team from the east side include nails, ceramics, glass, and possible mancala. To the west of Feature 17 the team recovered one nail, one bone, one lithic, one piece of glass, one piece of metal, clinkers, and ceramics. The dimensions of Feature 17 in this level 1.2 ft. x 5.0 ft. The feature ends at the base of this level.

*“After lunch, Megan and I went back to EU8. We had to take it down another half a foot. She took the eastern side, and I took the western side. We had individual bags for each. Nevertheless, we still found barely any artifacts.”*

- María Alejandra Nieves Colón [NSF-REU student]

The archaeologists closed this unit because the entire depth of Feature 17 had been exposed. They profiled the east and south walls of Excavation Unit 8.

### **Feature 17**

Feature 17 is a limestone foundation wall that extends through the center of Block 3 Lot 7 Excavation Unit 8. The base of the feature is present in Level B1, and for this reason the excavation of Excavation Unit 8 was halted. The foundation is centered in the unit, approximately 1.7 ft. from the western wall and 2.1 ft. from the eastern wall. It continues into the northern and southern profiles of Excavation Unit 8. The dimensions of Feature 17 within the unit are 1.2 ft. (E-W) x 5.0 ft. (N-S). The team mapped Feature 17 in the planview of Levels A3 and B1, as well as in the southern profile.

*“I am beginning to wonder if this structure may be a stable or barn instead of a residence.”*

Terrance Martin [crew chief]

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BLOCK 3, LOT 7  
 EXCAVATION UNIT 8 (N70, E2.5)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/2	SANDY LOAM	761.100 ft	760.886 ft	Primarily sod, this level also yielded historic artifacts, including wire and machine cut nails.
II	A2	SUB-SOD	7.5YR 3/2	SANDY CLAY	760.886 ft	760.411 ft	There is a lime/mortar concentration above Feature 17, which begins in the level below. More machine cut nails than wire nails were recovered.
II	A3	SUB-SOD	7.5YR 3/2	SANDY LOAM	760.411 ft	759.909 ft	Mortar concentration continues, and the top of Feature 17 is visible. This level yielded many nails. More wire than machine cut nails were recovered.
II	B1	SUB-SOD	7.5YR 3/2 7.5YR 4/4 7.5YR 3/1	CLAY WITH SAND	759.909 ft	759.427 ft	Very low artifact density. The base of Feature 17 is contained within this level. One machine cut nail recovered.

# New Philadelphia Excavation Unit Summary Form

## Block 3 Lot 7

Megan Bailey, Christopher Fennell, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Unit 9 (N60 E2.5)

Archaeologists began excavation of Block 3 Lot 7 Excavation Unit 9 in an attempt to find the southwest corner of the structure associated with Features 16, 17, and 21. Soil probe tests were used to determine the location of the corner. They opened Excavation Unit 9 five feet south of the southern border of EU 8. So as to uncover the entirety of Feature 17 as it is present in the level, the unit was offset by 2.5 ft. from the 5.0 ft. x 5.0 ft. grid within the lot. They began Level A1 as an arbitrary level of 0.5 ft. The level's average opening elevation was 761.573 ft. above median sea level (amsl), and its average elevation on closing was 761.142 ft. amsl. The level is characterized by a sod layer and soil with a color of 7.5YR 3/2 (dark brown) and a texture that varies from sandy clay to sandy loam. The team recovered historic artifacts from throughout the level, including nails, mortar, metal, wood, bone, glass, possible game pieces, rubber, clinker, one button, and one lithic.

*“Dr. Martin is opening up Unit 9 to see where the foundation turns a southwest corner.”*

- María Alejandra Nieves Colón [NSF-REU student]

*“Called the ‘Swiss cheese’ unit because of all the holes scattered throughout. Dr. Fennell took core samples yesterday, which left lots of small holes.”*

- Megan Bailey [volunteer]

The team opened Level A2 as a 0.5 ft. arbitrary level. The average opening elevation was 761.142 ft. amsl for the level, and the average closing elevation was 760.425 ft. amsl. Feature 17 is present at the bottom of this level. This level is characterized by two soils: on the east side of the feature, the soil is mottled 7.5YR 3/2 (dark brown) and 7.5YR 4/3 (brown) sandy loam, and on the west side of the feature the soil is mottled 7.5YR 3/2 (dark brown) and 7.5YR 5/4 (brown) and has a texture of sandy clay. Additionally there are some charcoal inclusions on the eastern side of Feature 17 and a zone of orange clay in the southwest portion of the level. Historic artifacts were recovered throughout the level, including charcoal, possible gaming pieces, lithics, mortar, bone, clinker, nails, metal, glass, and ceramics. The dimensions of Feature 17 within Level A2 are 1.4 ft. x 5.0 ft.

*“This afternoon while taking closing elevations in EU 9, a fawn ran south down the ‘alley’ right past me and snorted as it passed. No one else saw it!”*

- Terrance Martin [crew chief]

Since the top of Feature 17 was exposed within this level, excavations were halted and Excavation Unit 9 was closed. The southwest corner of the structure made up of Features 16, 17, and 21 was not found

in the unit.

**Feature 17**

Feature 17 is a limestone foundation wall that runs north to south. It is in the center of Block 3 Lot 7 Excavation Unit 9, approximately 1.2 ft. from the western wall and 2.4 ft. from the eastern wall. It extends into both the northern and southern profiles and has dimensions within the unit of 1.4 ft. (E-W) x 5.0 ft. (N-S). The archaeologists mapped Feature 17 in the planview of Level A2.

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 EXCAVATION UNIT 9 (N60, E2.5)

MEGA STRAT	LEVEL	STRATUM	MUNSELL	TEXTURE	OPENING ELEV. AMSL	CLOSING ELEV. AMSL	DESCRIPTION
I	A1	SOD LAYER	7.5YR 3/2	SANDY LOAM, SANDY CLAY	761.573 ft	760.142 ft	Primarily sod, this level also yielded historic artifacts. Significantly more machine cut nails than wire nails recovered.
II	A2	SUB-SOD	7.5YR 3/2 7.5YR 4/3 7.5YR 5/4	SANDY LOAM, SANDY CLAY	760.142 ft	760.425 ft	Feature 17 appears in this level and extends through the southern and northern profiles. Historic artifacts were recovered from this level. Wire nails increased in frequency, while the frequency of machine cut nails decreased.



# New Philadelphia Feature 15 Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Units 2, 3, 5, and 7

Feature 15 is a concentration of large rocks and bricks discovered in the sod immediately beneath the grass. This is in the location of Anomaly A1 (and interpreted to be the source). The concentration extends over most of Excavation Units 2, 3, and 7, but is most dense in the northeast, northwest, and southeast of Excavation Unit 2. The average opening elevation of the feature is 760.656 ft. above median sea level (amsl). The matrix surrounding the feature is 7.5YR 3/1 (very dark brown) sandy clay. The archaeologists interpret this feature as a possible collapsed wall foundation. Artifacts recovered from the feature include glass, brick, mortar, wood, ceramics, one piece of plastic, metal, nails, lithics, clinkers, and charcoal. The team took a representative sample of brick and mortar from the feature.

# New Philadelphia Feature 16 Summary Form

## Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Units 1, 2, 3, 4, 5, and 7

Feature 16 is interpreted as a limestone wall foundation that runs east to west. It is made up of large flat limestone rocks. Feature 16 measures 15.0 ft. (E-W) and varies from 1.1 ft. to 1.6 ft. (N-S). The feature is approximately 3.5 ft. deep in Excavation Unit 7, the only unit where the base of the wall was exposed by the team. The average elevation of the top of the feature is 759.985 ft. above median sea level (amsl), and the average elevation of the feature's base is 758.005 ft. amsl. The soil

surrounding Feature 16 is 7.5YR 3/1 (very dark grey) sandy clay on the interior (southern) side and 7.5YR 2.5/2 (very dark brown) sandy clay on the exterior/northern side. Due to the depth of the feature, the archaeologists believe that it may have been associated with a cellar. Artifacts associated with this feature include a whiteware bowl base, a medicine bottle rim and neck, wire nails, a brass uniform button, and cut nails. Due to time constraints, the entirety of the feature was not exposed. While the complete top of the feature was exposed, it was only excavated to its base in one of the six Excavation Units containing the feature.

*“In spite of the disappointing lack of information about the foundation, the project was ultimately successful. The feature and artifacts provided a great deal of information about Block 3, Lot 7. Most of the artifacts date to a period between the 1870s and the 1920s. If the foundation dates to this era too, then it indicates that people continued to build, invest, and live in New Philadelphia even after the railroad bypassed the town”*

- Megan Bailey [volunteer]

## New Philadelphia Feature 17 Summary Form

### Block 3 Lot 7

Megan Bailey, Angela Maranville, Terrance Martin, María Alejandra Nieves Colón, and Shamia Sandels

### Excavation Units 4, 5, 6, 8 and 9

Feature 17 is interpreted as a limestone wall foundation that is oriented north to south. It connects with Feature 16 in Excavation Units 4 and 5 to form the western edge of the structure made up of Features 16, 17, and 21. The average level of the top of Feature 17 is 759.898 ft. above median sea level (amsl). The average base elevation of the Feature 17 foundation wall is 759.309 ft. amsl. The team opened Excavation Unit 9 in an attempt to find the southernmost extent of Feature 17, but the feature continues through the southern profile of this unit. Feature 17 measures over 20.0 ft. long (N-S) and varies from 1.0 to 1.4 ft. in width (E-W). In Excavation Unit 9, Feature 17 is 1.5 ft. deep, making it much shallower than Feature 16.

# New Philadelphia Feature 18 Summary Form

## Block 3 Lot 7

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## Excavation Units 2 and 7

Feature 18 is a mortar and lime lens, which the archaeologists initially interpreted as a builder's trench. The average opening elevation for the feature is 759.552 ft. above median sea level (amsl). The soil surrounding Feature 18 is 7.5YR 2.5/1 (black) with a texture of clay loam. The dimensions of the feature are 5.0 ft. (E-W) x 1.5 ft. (N-S). A 10 L soil sample was collected from the eastern end of the feature. As the sample was taken, the mortar concentration disappeared at about 0.3 ft. below the top of stratum B1 within Excavation Unit 2. Artifacts recovered include ceramics, nails, charcoal, glass, and metal.

# New Philadelphia Feature 21 Summary Form

## Block 3 Lot 7

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## Excavation Unit 7

Feature 21 is a limestone foundation wall, oriented north to south. It connects with Feature 16 in Excavation Unit 7 and makes up the eastern wall of the structure defined by Features 16, 17, and 21. The average elevation of the top of Feature 21 is 759.739 ft. above median sea level (amsl) and the average level of the base of Feature 21 is 758.611 ft. amsl. The feature is 3.5 ft. deep in Excavation Unit 7 and measures 0.7 ft. (E-W) x 5.0 ft. (N-S). Due to time constraints, the archaeologists could not expose Feature 21 in its entirety, and so the length of the feature is unknown.