

Chapter 8, continued: Archaeological Excavation on Beaver Island

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Unit Number: 13

Coordinates: S3 E12

Excavators: Jim Rotman, Deb Rotman

Dates of Excavation: 20 July 2010

The unit was chosen because the excavation team wanted to further explore the midden located around Unit 9. The unit was in between the back door of the house and the shed that was located near the southeast side of the home. A trowel was used to excavate the entire unit. The soil recovered throughout the excavation was screened through quarter inch (1/4 in) mesh. The datum for this unit was in the southwest (SW) corner. The soil was described using the 10YR Munsell Color Chart, starting with at Level 1 of the unit. Levels 0-10 were excavated on July 20, 2010.

Level 0

The excavation objectives for Level 0 were to clear the grass, check the surface for artifacts and features, and prepare the unit for excavation. The larger grass blades were removed using a sickle. The initial measurements (cm) for Level 0 were as follows: NE 19, SE 19, SW 12, NW 9, Center 18. There were no visible surface features. There were no artifacts on the active ground surface.

Level 1

The beginning elevations (cm) for Level 1 were as follows: NE 19, SE 19, SW 12, NW 9, Center 18. The excavation objectives for Level 1 were to remove the sod layer and recover any artifacts found. The unit sloped downward in the northern corners. A shovel was used to remove the sod. A trowel was used to sort the sod and screen through the 1/4in mesh. The artifact density was moderate for this level. Artifacts recovered for this level included glass, nails, cinder, and a plastic mesh bag. The Munsell description for the soil was 3/1, or “very dark gray”. The texture was described as “sandy loam” and the moisture content was dry. There was some gravel, especially in the north half of the unit. This level was composed of the active humus layer. The ending elevations (cm) for Level 1 were as follows: NE 27, SE 30, SW 20, NW 21, Center 23. The depth of excavation for this level began at 9cm and ended at 30cm.

Level 2

The beginning elevations (cm) for Level 2 were as follows: NE 27, SE 30, SW 20, NW 21, Center 23. The excavation objectives for this level were to remove enough of the matrix to bring the base of the unit level and to recover any artifacts found. A shovel was used to skim the matrix of dirt and a trowel was used to remove the dirt out of the matrix. The artifact density for this level was moderate. Artifacts recovered included tinfoil, pencil lead, nails, metal key/can opener, and burnt bone. The soil was consistent across the unit. The Munsell reading for this level was 5/2, or “grayish brown”. The soil was described as dry loam with sand. There was still gravel in the soil. There were still fine roots in the soil that remained from the humus layer as the midden was reached. There was a piece of rubber sticking out of the west wall profile. The ending elevations (cm) for Level 2 were as follows: NE 27, SE 30, SW 27, NW 28, Center 27. The depth of excavation for this level began at 20cm and ended at 27cm.

Level 3

The beginning elevations (cm) for Level 3 were as follows: NE 27, SE 30, SW 27, NW 28, Center 27. The excavation objectives for this level were to remove 4cm of the matrix and recover any artifacts found. The artifact density for this level remained high. Artifacts recovered included bottle caps (Crown cap closure), nails, and bone. The soil was consistently uniform across the unit. The Munsell reading for this level was 4/2, or “dark grayish brown”. The soil was described as “sandy loam” and the moisture content

was dry. The end of the topsoil was reached in this level. This level could have possibly been a fill zone, as seen in Unit 9. There was still gravel in the soil. The ending elevations (cm) for Level 3 were as follows: NE 32, SE 31, SW 31, NW 30.5, Center 31. The depth of excavation for this level began at 27cm and ended at 31cm.

Level 4

The beginning elevations (cm) for Level 4 were as follows: NE 32, SE 31, SW 31, NW 30.5, Center 31. The excavation objectives for this level were to remove 4cm of matrix and to recover any artifacts. Once again, a shovel was used to skim the matrix and then a trowel was used to remove the soil. The artifact density for this level was moderate. Artifacts recovered included brick, a possible bead, a lead rod, cinder, and some nails. The matrix was homogenous across the unit. There was no longer much gravel. The Munsell reading for this level was 4/3, or "brown". The texture was still dry, sandy loam and there was some residual gravel in the soil. The ending elevations (cm) for Level 4 were as follows: NE 37, SE 37, SW 36, NW 36, Center 36. The depth of excavation for this level began at 31cm and 37cm.

Level 5

The beginning elevations (cm) for Level 5 were as follows: NE 37, SE 37, SW 36, NW 36, Center 36. The excavation objectives for this level were to remove 4cm of the matrix and the check for artifacts. A shovel was not used during this level. The artifact density for this level continued to be moderate. Artifacts recovered during this level included large metal pieces (possibly cookware?), bone, cinder, and nails. The matrix was homogenous throughout. The excavation of this level was terminated at the distinct soil color change. The Munsell reading for this soil was 4/3, or "brown". The soil texture was dry, sandy loam. There was some gravel in the soil. The ending elevations (cm) for Level 5 were as follows: NE 41, SE 41, SW 41, NW 41, Center 41. The depth of excavation began at 37cm and ended at 41cm.

Level 6

The beginning elevations (cm) for Level 6 were as follows: NE 41, SE 41, SW 41, NW 41, Center 41. The excavation objectives for this level were to remove 4cm of the matrix and recover any artifacts found. The artifact density for this level was moderately low. Artifacts recovered included a collar stud (or cufflink) and some nails. Half of a handmade brick was removed from this level, but not collected. There were lots of flecks from the brick in the screen, but they were not collected. At the base of the level, something that appeared to be wood emerged. It was sticking out of the north wall and angled toward the SW corner (approx. 9cm wide, with a visible length of approx. 4cm). It could have been a root. The soil was homogenous. The Munsell reading for this level was 4/3, or "brown". The soil texture was fine, sandy loam. The soil was dry. There was still some gravel in the soil. This layer seemed to be the buried land surface. The ending elevations (cm) for Level 6 were as follows: NE 45, SE 45, SW 45, NW 45, Center 45. The depth of excavation for this level began at 41cm and ended at 45cm.

Level 7

The beginning elevations (cm) for Level 7 were as follows: NE 45, SE 45, SW 45, NW 45, Center 45. The excavation objectives for this level were to remove 4cm of matrix and to recover any artifacts found. The artifact density was low for this level. Artifacts recovered included nails. The soil was homogenous. The Munsell reading for this soil was 4/3, or "brown". The soil was a dry, sandy loam. There were some large rocks in the soil, especially on the east side of the unit. There was timber in the center of the unit and a brick and some rocks to the east of the timber. The excavation team was unsure what layer of soil had been reached, so 4 photographs were taken of the base of this level (Figure 8.22). A sketch was made of the base of this level as well. The ending elevations (cm) for Level 7 were as follows: NE 49, SE 49, SW 49, NW 49, Center 49. The depth of excavation began at 45cm and ended at 49cm.

Level 8

The beginning elevations (cm) for Level 8 were as follows: NE 49, SE 49, SW 49, NW 49, Center 49. The excavation objectives for this level were to remove 4cm of the matrix and to recover any artifacts found. The team excavated east of the timber and west of the timber (found in the center of the unit)

A profile was made of the west wall of Unit 13 (Figure 8.23). There were five major zones of soil. The first zone (I) was the active humus layer. It was composed of sandy loam. The Munsell reading for this zone was 3/1, or “very dark grayish brown”. The second zone (II) was a fill zone. It was composed of sandy loam and gravel. The Munsell reading for this zone was 5/2, or “grayish brown”. The third zone (III) was a pocket zone, composed of sand. The Munsell reading for this zone was 6/4, or “light yellowish brown”. The fourth zone (IV) was the buried A horizon. It was composed of sandy loam. This zone had a Munsell reading of 4/4, or “dark yellowish brown”. There was a large rock inclusion in this zone. The fifth zone (V) was the subsoil, and it was composed of dry, fine sand. The Munsell reading for this zone was 5/6, or “yellowish brown”.

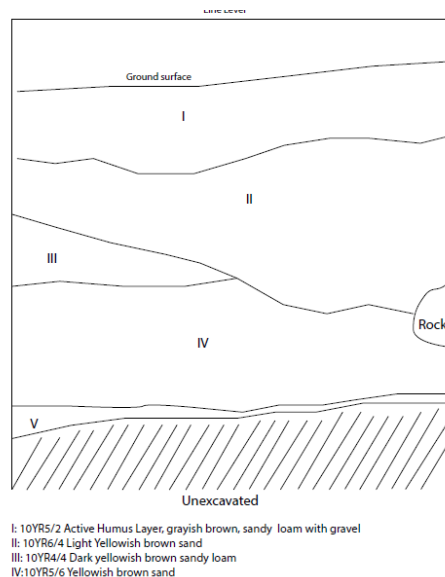


Figure 8.23. Profile of the west wall of Unit 13. Drawn by Ariel Terpstra.

Unit Number: 14

Coordinates: N2 E13

Excavators: Rhiannon Duke, Kasia Ahern, Jacqueline Thomas, Deb Rotman, Bianca Fernandez

Dates of Excavation: 20 July 2010-21 July 2010

The unit location was chosen because of its proximity to Unit 9. The excavation team had recovered a significant number and variety of artifacts from Unit 9, so it was believed that this unit would also produce a good amount of artifacts. A trowel was used to excavate the entire unit. The soil that was recovered was screened through quarter inch (1/4in) mesh. The datum for this unit was in the southwest (SW) corner. The soil was described using the 10YR Munsell Color Chart, starting with Level 1 of the unit. Levels 0-1 were excavated on July 20, 2010 by Jacqueline Thomas and Deb Rotman. Levels 2-10 were excavated by Rhiannon Duke, Kasia Ahern, Jacqueline Thomas, and Bianca Fernandez.

Level 0

The excavation objectives for Level 0 were to clear the grass, check for surface features and artifacts, and prepare the unit for excavation. Level 0 was interpreted to be the active land surface. The unit ground slopes significantly upward toward the west. The NE corner of the unit is very close to the burn barrel on the back lawn. Glass shards were found on the surface. There were no features observed on the surface. The initial measurements (cm) for Level 0 were as follows: NE 20, SE 21, SW 11, NW 11, Center 15.

Level 1

The beginning elevations (cm) for Level 1 were as follows: NE 20, SE 21, SW 11, NW 11, Center 15. The excavation objectives were to clear the unit of the active humus layer and check for artifacts. A shovel was used to remove the sod layer. A trowel was used to remove smaller pieces of sod. The artifact density for this unit was moderate. Artifacts recovered included plastic, glass shards, and pieces of wire. The soil was uniform in color and texture across the unit. The Munsell reading for this unit was 4/2, or “dark grayish brown”. The soil texture was described as “sandy loam” and the moisture content was dry. There was some gravel in the soil. The ending elevations (cm) for Level 1 were as follows: NE 22, SE 25, SW 17, NW 17, Center 20. The depth of excavation for this level began at 11cm and ended at 25cm.

Level 2

The beginning elevations (cm) for Level 2 were as follows: NE 22, SE 25, SW 17, NW 17, Center 20. The excavation objectives for this level were to excavate the midden, recover any artifacts found, and to make the ground elevations level. The artifact density was moderate for this level. Artifacts recovered included nails, glass shards, metal pieces, a coin, and some paper. The soil color and texture was uniform across the unit, but it was a bit more compact in the SW corner. The Munsell reading for this soil was 3/4, or “dark yellowish brown”. The soil was composed of very fine sand, which made it easy to dig up. There were lots of pebbles and gravel in the soil, which indicates that a gravel layer had been reached. There were also fine and thick roots in the soil. A small amount of the active humus layer was still found in the SE corner. The ending elevations (cm) for Level 2 were as follows: NE 25, SE 25, SW 25, NW 25, Center 25. The depth of excavation for this level began at 17cm and ended at 25cm.

Level 3

The beginning elevations (cm) for Level 3 were as follows: NE 25, SE 25, SW 25, NW 25, Center 25. The excavation objectives for this unit were to continue to excavate the unit and to check for artifacts in the soil. The artifact density for this level was moderately high. Artifacts recovered included ceramic sherds, glass shards, nails, metal pieces, and bone. There were some patches of orange soil on the south half of the unit, which was interpreted as rust from the metal pieces found there. The soil on the south half of the unit had a Munsell reading of 4/6, or “dark yellowish brown”. The soil on the north half of the unit had a Munsell reading of 3/3, or “dark brown”. The soil texture was uniform across the unit. The soil was still composed of dry, fine sand. There were some pebbles and fine and thick roots in the soil. The ending elevations (cm) for Level 3 were as follows: NE 29, SE 29, SW 29, NW 29, Center 29. The depth of excavation for this level began at 25cm and ended at 29cm.

Level 4

The beginning elevations (cm) for Level 4 were as follows: NE 29, SE 29, SW 29, NW 29, Center 29. The excavation objectives for this level were to continue to excavate the midden and to check for artifacts. The artifact density for this level was low. Artifacts recovered included a sherd, nails, and a glass shard. The soil was mostly uniform in color, except for some very small patches of orange color scattered across the unit. The orange color could have been due to the rocks or the rusted metal. The Munsell reading for the orange patches of soil was 5/6, or “yellowish brown”. The Munsell reading for the rest of the unit was 3/2, or “very dark grayish brown”. The soil was uniform in texture. The soil was very dry, due to the sunlight and heat. There were some pebbles and some fine and thick roots in the soil. The ending elevations (cm) for Level 4 were as follows: NE 33, SE 33, SW 33, NW 33, Center 33. The depth of excavation for this level began at 29cm and ended at 33cm.

Level 5

The beginning elevations (cm) for Level 5 were as follows: NE 33, SE 33, SW 33, NW 33, Center 33. The excavation objectives for this level were to continue excavating the midden and to recover any artifacts found in the soil. There was a clump of dirt in the SE corner of the unit that revealed some bits of orange and black tape. The artifact density for this level was moderate. Artifacts recovered included nails, lots of hardware, silver metal piece, and some pieces of orange tape (found in the SE corner of unit). The soil was uniform across the unit, except for a patch of orange soil near the south wall of the unit. The Munsell

reading for the orange soil patch was 5/6, or “yellowish brown”. The Munsell reading for the rest of the soil was 3/2, or “very dark grayish brown”. The soil was fine sand that was very dry due to the hot sun. There were some pebbles and fine and thick roots in the soil. The ending elevations (cm) for Level 5 were as follows: NE 37, SE 37, SW 37, NW 37, Center 37. The depth of excavation for this level began at 33cm and ended at 37cm.

Level 6

The beginning elevations (cm) for Level 6 were as follows: NE 37, SE 37, SW 37, NW 37, Center 37. The excavation objectives for this level were to continue to excavate the midden and to recover any artifacts found. The artifact density for this level was low. Artifacts recovered included nails and, in the SE corner, bits of tape, a glass bottle with plastic top, and metal pieces. The SE corner was designated a separate screening and artifact bag due to the interesting and out-of-place findings in that area. This corner also revealed 2 metal rods and a circular metal piece stuck in the wall of the corner. The team excavated a little deeper in the SE corner due to the curious artifacts that were found there. This corner seems to have modern intrusions in the soil. The soil had been mottled with orange spots in previous levels, but at this level it was much more uniform in color and texture across the unit. The Munsell reading for this level was 3/3, or “dark brown”. The texture of the soil is still soft, fine sand and the moisture content is dry. There are a few pebbles and some roots in the soil. The ending elevations (cm) for Level 6 were as follows: NE 41, SE 43, SW 41, NW 41, Center 41. The depth of excavation for this level began at 37cm and ended at 41cm.

Level 7

The beginning elevations (cm) for Level 7 were as follows: NE 41, SE 43, SW 41, NW 41, Center 41. The excavation objectives for this level was to continue to trowel the midden, reach a uniform depth, recover any artifacts found across the unit, and continue to trowel and screen through the soil of the SE corner separately from the rest of the unit. The artifact density for this level was low. Artifacts recovered included nails and bone. There were also nails found in the SE corner. The soil color and texture appeared uniform across the unit. The Munsell reading for this level was 4/2, or “dark grayish brown”. It was composed of dry, fine sand and gravel. This soil had many pebbles and some fine and thick roots in it. The ending elevations (cm) for Level 7 were as follows: NE 45, SE 45, SW 45, NW 45, Center 45. The depth of excavation for this level began at 41cm and ended at 45cm.

Level 8

The beginning elevations (cm) for Level 8 were as follows: NE 45, SE 45, SW 45, NW 45, Center 45. The excavation objectives for this level were to continue to trowel the midden and to recover any artifacts found. The SE corner was still screened separately. Artifacts found in the SE corner included nails and metal pieces. The artifact density for the rest of the unit was low. Artifacts recovered included nails. The soil of this level was lighter than that of the previous level. The Munsell reading for this soil was 4/3, or “brown. It was very hot and sunny out so that dried up the soil a lot. The texture was soft, grainy sand and there were still some pebbles and roots in the soil. The ending elevations (cm) for Level 8 were as follows: NE 49, SE 49, SW 49, NW 49, Center 49. The depth of excavation for this level began at 45cm and ended at 49cm.

Level 9

The beginning elevations (cm) for Level 9 were as follows: NE 49, SE 49, SW 49, NW 49, Center 49. The excavation objectives for this level were to continue to excavate the midden until no more artifacts were recovered. The SE corner soil was still screened separately. The SE corner was interpreted as a modern intrusion. No artifacts were recovered at this level. The soil became more reddish orange, indicating that the subsoil was about to be reached. The Munsell reading for this soil was 4/4, or “dark yellowish brown”. The soil was still soft, fine sand and was dry. There were a few pebbles and some roots in the soil. The ending elevations (cm) for Level 9 were as follows: NE 53, SE 54, SW 53, NW 53, Center 53. The depth of excavation for this level began at 49cm and ended at 53cm.

Level 10

The beginning elevations (cm) for Level 10 were as follows: NE 53, SE 54, SW 53, NW 53, Center 53. The excavation objectives for this level were to excavate the SW corner to make sure that the unit is culturally sterile from this depth onward. A 50cmx50cm square with a depth of 10cm was excavated in the SW corner. The excavation team dug deeper than 4cm in the SW corner in order to show more of the stratigraphy on the west wall. No artifacts were recovered. The subsoil was reached in the SW corner, indicating that the level was culturally sterile. The Munsell reading for this corner was 5/6, or “yellowish brown”. The soil texture was dry, fine sand. There were fine and thick roots and a few pebbles in the soil. The ending elevations (cm) for Level 10 were as follows: NE 53, SE 54, SW 63, NW 53, Center 53. The depth of excavation for this level began at 53cm and ended at 63cm (SW corner only).

Profile of Unit 14

A profile was made of the west wall of Unit 14 (Figure 8.24). There were four distinct soil zones in the stratigraphy. The first zone (I) was the active humus layer, composed of lots of roots and loamy sand. The Munsell reading for this zone was 3/2, or “very dark grayish brown”. The second zone (II) was a gravel and fine sand layer. This zone had a Munsell reading of 3/3, or “dark brown”. The third zone was composed of fine sand and some pebbles and roots. It was the largest zone in the stratigraphy and was interpreted as the buried A horizon. The fourth zone (IV) was the subsoil layer, composed of fine sand. The Munsell reading for this zone was 5/6, or “yellowish brown”.

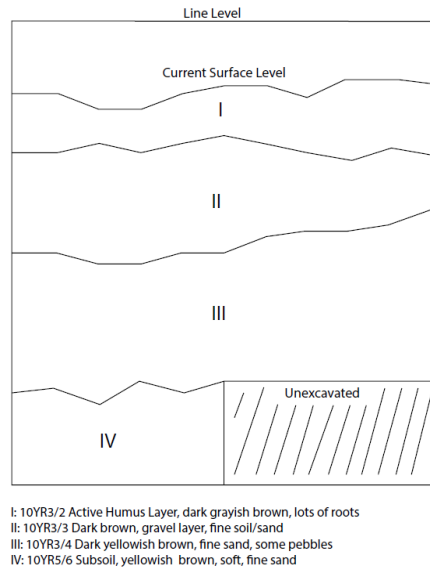


Figure 8.24. Profile of the west wall of Unit 14. Drawn by Ariel Terpstra.

Unit Number: 15

Coordinates: E10 S11

Excavators: Maria Rodriguez, Kaitlyn Davis, Kasha Ahern

Dates of Excavation: 6 July, 2011-8 July, 2011

The unit location was chosen because of its proximity to the foundation of the former shed and its relatively close location to the backdoor of the house. The excavation team thought the unit would have a good amount of cultural deposits because the residents may have taken debris out the backdoor of the house and deposited them near the shed. Excavating near a former structure, such as a shed, would also produce a variety of cultural deposits. The unit matrix was excavated using a trowel throughout the entire excavation. The soil recovered during the entire excavation was screened through quarter inch (1/4in) mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southeast (SE) corner.

Levels 0-5 were excavated on July 6, 2011. Levels 7-11 and part of level 12 were excavated on July 7, 2011. The rest of level 12 and level 13 were excavated on July 8, 2011.

Level 0

The excavation objectives for level 0 were to note any objects/artifacts on the surface and take initial measurements of the unit. The beginning elevations (cm) were as follows: NE 11, SE 10, SW 11.5, NW 18, Center 15. The surface contained rocks, wood chips, plants, and bits of architectural material, such as glass, charcoal, and a circular rubber object. The soil had a Munsell number of 10YR2/2, very dark brown. Patches of soil had a Munsell number of 10 YR3/2, very dark grayish brown. The texture was dry, fibrous, and grainy. There were no inclusions.

Level 1

The excavation objectives for this level were to excavate the humus level of the unit, level it out, and note any artifacts found. The beginning elevations (cm) were as follows: NE 11, SE 10, SW 13.5, NW 18, and Center 15. The level contained a great deal of architectural material, probably from the shed. The bark and wood chips were doubtless from the floorboards of an earlier shed. The roofing material was green asphalt shingle. Nails and darker patches of soil with charcoal were noted. The soil was a mixed matrix with Munsell numbers of 10 YR2/2, very dark brown and 10 YR3/2, very dark grayish brown. The soil was grainy and slightly damp and contained some rocks. The inclusions were a plant in the northwest corner and some smaller plants scattered throughout the level. The final elevations (cm) were as follows: NE 18, SE 18, SW 17.5, NW 18, and Center 17. The depth of excavation for this level began at 10cm and ended at 18cm.

Level 2

The excavation objectives for this level were to continue to even out the unit, excavate 6 cm deep across unit in order to get beneath the wood layer, observe soil changes, and acquire any artifacts. The beginning elevations (cm) were as follows: NE 18, SE 18, SW 17.5, NW 18, and Center 17. The level contained a lot of bark and wood (probably decayed floorboards from the shed), some small pebbles and rocks, and charcoal, which was observed but not collected. The artifacts included architectural materials probably used for the shed, such as nails, slate or metal, and stone for the foundation or wall, white hard fragments of window caulking, glass shards possibly from a window, and green roofing. Two wooden buoys for fishing nets and 2 metal rings were also discovered. The soil had a Munsell number of 10 YR3/2, very dark grayish brown and was uniform across the unit. The soil was grainy and mostly dry, which could be due to sun exposure. The inclusions were wood chips, small rocks, and a few roots, particularly a rather large one running across the south end of the unit. The final elevations (cm) were as follows: NE 24, SE 23, SW 22.5, NW 26, and Center 24. The depth of excavation for this level began at 17cm and ended at 26cm.

Level 3

The excavation objectives for this level were to excavate 6cm deep across the unit, continue to level the unit, observe soil changes, and acquire artifacts. The beginning elevations (cm) were as follows: NE 24, SE 23, SW 22.5, NW 26, and Center 24. The level still contained rocks, pebbles, woodchips and other flooring material. The artifacts recovered included pieces of metal, glass shards, nailed wood, a metal cap (possibly for a squeeze bottle), animal bone, carved white stone, stakes, and paper scraps. The majority of the soil had a Munsell number of 10 YR3/2, very dark grayish brown, and there was a small lighter patch with a Munsell number of 10 YR4/3, brown. The soil was fine, dry, and grainy. The inclusions were rocks, woodchips, and roots. The final elevations (cm) were as follows: NE 29, SE 29, SW 29, NW 30, and Center 28. The depth of excavation for this level began at 22.5 cm and ended at 30 cm.

Level 4

The excavation objectives for this level were to excavate the unit 6 cm, observe soil changes, and note artifacts. The beginning elevations (cm) were as follows: NE 36, Se 35, SW 36, NW 36, and Center 35.5. The amount of nails recovered has decreased, and the wood level has been passed. The artifacts were nails and other pieces of metal. The soil had a Munsell number of 10 YR3/3, very dark brown. The soil was

very grainy, with some sand, and was slightly damp. The inclusions were a large root sticking out the north wall, medium-sized rocks, and a few charcoal pieces, and woodchips. The final elevations (cm) were as follows: NE 36, SE 35, SW 36, NW 36, and Center 35.5. The depth of excavations for this level began at 28 cm and ended at 36 cm.

Level 5

The excavation objectives for this level were to excavate 3 cm and note any artifacts found. The beginning elevations (cm) were as follows: NE 36, SE 35, SW 36, NW 36, and Center 35.5. After the floorboards were dug through, the soil became sandier, there were more bugs (specifically ants), and there were more large roots in all the walls. Most artifacts were found in the southwest end of the unit. The artifacts included a cherd of white ceramic with a pink design, a white ceramic sherd with a makers mark, pieces of a stoneware jug, and other ceramic sherds. A shard of glass, possibly from an oil lamp chimney, was found along with a large piece of metal. The soil had a Munsell number of 10YR3/2, very dark grayish brown, and was sandy and dry. Inclusions included roots in all walls and large rocks. It should also be noted that the datum stake became wobbly around this level, so some of the measurements may not be completely accurate. The ending elevations (cm) were as follows: NE 39, SE 39, SW 39, NW 39, and Center 43. The depth of excavations for this level began at 35 cm and ended at 43 cm.

Level 6

The excavation objectives for this level were to excavate 3 cm, observe soil changes, and note artifacts. The beginning elevations (cm) were as follows: NE 34, SE 32.5, SW 31 cm, NW 29cm, and Center 29cm. The original datum stake became loose so a new datum stake was put in place 28 cm south of the original and new measurements (including initial measurements) were taken. Previous measurements were possibly skewed due to movement of datum stake and loose soil. A layer of large rocks (particularly along the west wall) appeared. Artifacts recovered included a white ceramic sherd with a green makers mark, glass shards (including pieces with frilled edges), nails (including a square nail), and metal pieces. The soil had a Munsell number of 10YR3/3, dark brown, and the soil was grainy, sandy, and slightly damp. The final elevations were (cm) as follows: NE 37.5, SE 38, SW 37.5, NW 37, and Center 37. The depth of excavation for this level began at 29 cm and ended at 38cm.

Level 7

The excavation objectives for this level were to excavate an additional 3cm, observe the changes in the soil, and collect any and all artifacts. The initial elevations were as follows: NE 37.5cm, SE 38cm, SW 37.5cm, NW 37cm and center 37cm. During the excavation a large rock slab, several rocks and some roots were observed. The Munsell Number for the soil was 10YR3/2, very dark grayish brown. The texture was slightly sandy, damp, and loose. Large rocks and roots were included in the soil. Artifacts recovered included ceramic sherds, larger portions of glass bottles, rusted nails, and metal. The final elevations were: NE 40cm, SE 40cm, SW 40cm, NW 39cm and center 40cm. The depth of excavation for this level began at 38cm and ended at 40 cm.

Level 8

The excavation objectives for this level were to excavate an additional 3cm, observe the changes in the soil and retrieve artifacts. The initial elevations were: NE 40cm, SE 40cm, SW 40cm, NW 39cm and center 40cm. During this excavation numerous larger rocks and a large slab were observed in the east corner. Large boulders were observed on the north side, and a metal object could be seen jutting out from the slab. Many roots were also noted throughout the homogenous soil. The soil was 10YR3/2, very dark grayish brown with a grain-like textured dirt and low moisture content. Plentiful amounts of sun were observed to have fallen on the soil. Artifacts recovered include ceramic sherds, glass shards and some metal pieces. The final elevations were: NE 43.5cm, SE 43cm, SW 43cm, NW 43cm and center 42cm. The depth of the excavation began at 40cm and ended at 42cm.

Level 9

The excavation objectives for this level were to excavate 3 cm, observe soil changes, and note any artifacts found. The beginning elevations (cm) were as follows: NE 43.5, SE 43, SW 43, NW 43, and Center 42. The artifacts found included large ceramic pieces (including what looks like a jar), more bottlenecks, and some green-tinted glass. There is also a metal piece sticking out from under the flagstone on the east side of the unit. The majority of soil was 10YR3/3, dark brown with patches of 10YR4/6, dark yellowish brown. The soil was comprised of moist grainy dirt and sand. The yellowish-brown patches were possibly due to rust residue. The inclusions were the large flagstone touching the eastern wall approximately halfway between the north and south walls, small boulders in the northwest corner, and roots. The amount of worms also increased. The final elevations were (cm) as follows: NE 46, SE 46, SW 46, NW 46.5, and Center 46. The depth of excavation for this level began at 42 cm and ended at 46.5 cm.

Level 10

The excavation objectives for this level were to excavate 3cm in total, observe the changes in the soil and to obtain any artifacts found for analysis. The initial elevations of this level were: NE 46cm, SE 46cm, SW 46cm, NW 46.5cm and center 46cm. During this excavation it was observed that the soil color was gradually acquiring a reddish hue. A large root still remained on the north side and small boulders remained in the northwest corner. In terms of soil composition, the northeast color had an orange/light brown clay color while the south end of the unit, where most of the artifacts were recovered, was darker in color. The soil included both 10YR2/2, very dark brown and 10YR3/6, dark yellowish brown. The texture varied between silt-like, sandy loam and silt-like, clay loam. The moisture content was high. Artifacts recovered included a portion of what seemed to be a ceramic sugar bowl, glass pieces and small metal scraps. The final elevations were: NE 49cm, SE 49cm, SW 50cm, NW 49cm and center 49.5cm. The depth of excavation for this level began at 46.5cm and ended at 50cm.

Level 11

The excavation objectives for this level were to excavate 3 additional cm, observe the change in soil and collect any artifacts uncovered. The initial elevations were: NE 49cm, SE 49cm, SW 50cm, NW 49cm and center 49.5cm. During the excavation the soil was observed to be redder in color. The continued presence of rocks and roots, along with shards of glass and several nails were noted. No worms were found and the small boulders remained on the northwest and south sides of the unit. The Munsell Number for the soil included both 10YR3/2, very dark grayish brown and 10YR4/6, dark yellowish brown. The texture ranged from a grainy sand and dirt mix to a silt-like and sandy grain. Artifacts recovered included a shard of blue tinted glass, two small rusted nails and another shard of glass with a unique design. Additionally, it was observed that the soil was becoming noticeably reddish. The east side of the unit seemed to acquire the reddish color quicker than the west. Small, round boulders were noted only on the west side of the unit. The final elevations of the level were: NE 52cm, SE 52cm, SW 52cm, NW 51.5cm and center 52cm. The depth of excavation for this level began at 50cm and ended at 52cm.

Level 12

The excavation objectives for this level were to excavate an additional 3cm, observe the changes in the soil, and confirm that no new artifacts were to be found. The beginning elevations were: NE 52.5cm, SE 52cm, SW 52cm, NW 51.5cm and center 52cm. During the excavation many small rocks were uncovered and the soil acquired a dark reddish color, resembling clay. Both the reddish and dark brown colorations were observed, especially in the northwest corner. The Munsell Number for the soil was 10YR3/6, dark yellowish brown and the texture was a silt-like, grainy loam. No artifacts were recovered. The final elevations were: NE 56cm, SE 56cm, SW 57cm, NW 57.5cm and center 55.5cm. The depth of excavation for this level began at 52cm and ended at 57.5cm.

Level 13

The excavation objectives of this level was to excavate an additional 3cm, observe the soil changes and confirm that no other artifacts would be recovered. The initial elevations were: NE 56cm, SE 56cm, SW 57cm, NW 57.5cm and center 55.5cm. Throughout this excavation many more rocks, small boulders and bugs were discovered, and the roots were removed. The soil was probed twice and was consistent in coloration both times. The soil was Munsell 10YR3/6, dark yellowish brown and the texture was silt-like, sandy, and slightly moist. No new artifacts were found in level 13 but two additional artifact bags were taken from the west and south walls. The final elevations were: NE 58.5cm, SE 58.5cm, SW 60cm, NW 59cm and center 60cm. The depth of excavation for this level began at 57.5cm and ended at 60cm. This level ended the excavation of the unit.

Profile of Unit 15

The profile for this unit was taken using the datum placement for the rest of the unit. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings and soil texture were taken for each of the layers.

Unit 15 – South Wall

A profile of the south wall was drawn for Unit 15. The profile of this unit included three major zones of soil and two smaller zones (Figure 8.25). The first zone (marked in the profile as Roman numeral I) was a grainy humus layer with a Munsell reading of 10YR2/2, very dark brown. The second zone (II) was a buried subsurface consisting of damp, loamy silt with a Munsell reading of 10YR2/2, very dark brown. The third zone (III) was sandfill with a Munsell reading of 10YR4/4, dark yellowish. The fourth layer (IV) was the original landsurface consisting of moist silty dirt with a Munsell reading of 10YR2/1, black. The fifth zone (V) was subsoil consisting of moist silt with a Munsell reading of 10YR3/6, dark yellowish brown.

Unit 15 - West Wall

A profile of the west wall was also drawn. The profile of this unit included three major zones of soil and two smaller zones (Figure 8.26). There was also a large rock deposit separating zones II and III and cutting zones IV and V in half. The first zone (I) was a grainy humus layer with a Munsell reading of 10YR2/2, very dark brown. The second zone (II) was buried subsurface consisting of loamy damp silt with a Munsell reading of 10YR2/2, very dark brown. The third zone (III) was buried subsurface consisting of loamy damp silt with a Munsell reading of 10YR2/2, very dark brown. The fourth zone (IV) was the original foundation consisting of dirt that was moist and silty with a Munsell reading of 10YR2/1, black. The fifth layer (V) was subsoil consisting of moist silt with a Munsell reading of 10YR3/6, dark yellowish brown.

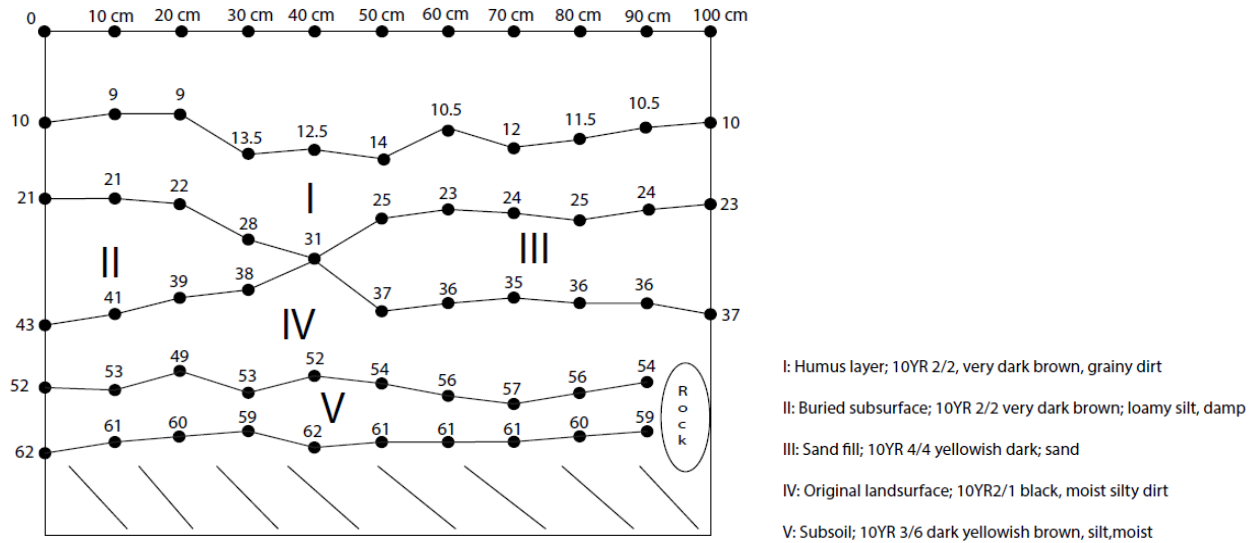


Figure 8.25. Profile of the south wall of Unit 15. Drawn by Ariel Terpstra.

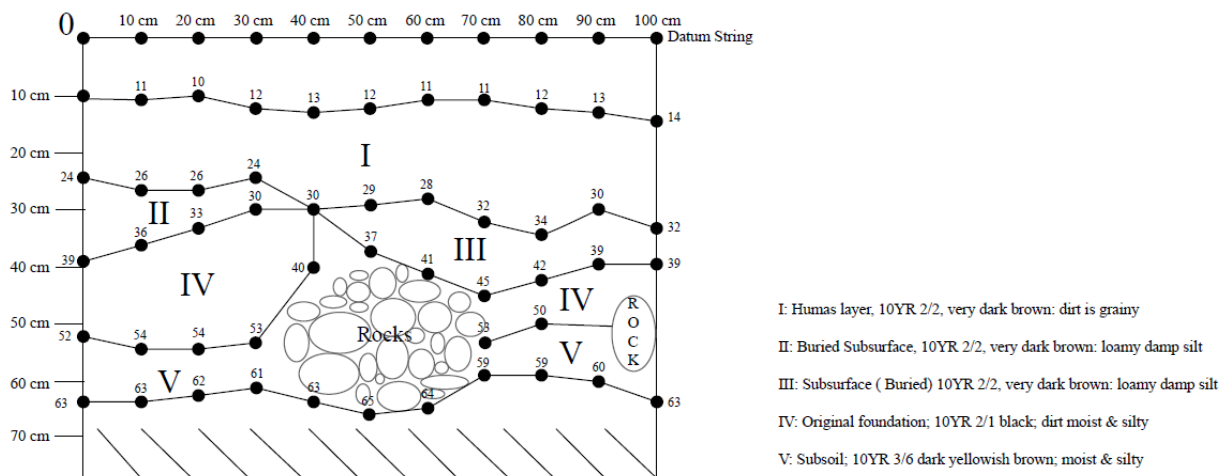


Figure 8.26. Profile of the west wall of Unit 15. Drawn by Ariel Terpstra.

Overall, the unit produced many artifacts with a degree of variety. This included many architectural materials, which would be expected for a unit where a shed once stood. Glass and ceramic were also abundant, which could be due to the fact that the unit was relatively near in proximity to the back door of the house, so broken dishes and glass could have been thrown out here.

Unit Number: 16

Coordinates: N35 W3

Excavators: Adam Lake, Ariel Terpstra, Deb Rotman

Dates of Excavation: 6 July, 2011- 7 July, 2011

This unit was chosen because of its proximity to the known privy shaft. It was thought that the unit would contain a substantial amount of cultural deposits because the residents of the house could possibly have thrown debris into or around the privy shaft. The unit matrix was excavated using a trowel and shovel.

The soil recovered from the unit during the excavation was screened through a quarter inch (1/4 inch) mesh. The soil was described using the 10YR Munsell Color Chart.

Level 0

The excavation objective for Level 0 was to remove the grass layer, check for surface features, and prepare the unit for further excavation. The beginning elevations (cm) were as follows: NE 7, SE 10, SW 13.5, NW ++, Center 7. The unit had tall grass, soft ground, and debris from the previous privy structure. There was a tin can on the west wall and the NW corner was too high to obtain accurate measurements. No artifacts were observed on the surface of this unit.

Level 1

The excavation objectives for this level were to clear the grass and observe the beginning of the unit. The beginning elevations (cm) of Level 1 were as follows: NE 7, SE 10, SW 13.5, NW ++, Center 7. The active humus layer was removed with a spade. The artifact density was quite high; a hinge, screws, nails, plastic toilet paper dispenser, and a plastic, flower-pattern bowl. Along the Northern line was 10YR3/4, dark yellowish brown and the main unit soil was 7.5YR2/1, black. The soil was slightly damp sandy loam. The inclusions in the soil were a few rocks and many thin and thick roots. The final elevations (cm) of this level were NE 16, SE 15, SW 19.5, NW 16, Center 15.

Level 2

The excavation objectives of this level were to level the unit to 20 cm, and begin the excavation of the anticipated culture levels. The initial elevations (cm) of this level were NE 16, SE 15, SW 19.5, NW 16, Center 15. The artifact density was light; nails, metal wire, bottom of a glass, brown bottle, and the remainder of the plastic, flowered bowl. The artifacts were primarily classified as structural and domestic. The Munsell reading for the soil was 10YR4/2, dark grayish brown and the texture was dry sandy loam. The inclusions were light roots and small stones. The ending elevations (cm) of Level 2 were all 20.

Level 3

The excavation objectives of this level were to dig the unit down another 3 cm and to continue the excavation of cultural artifacts. The initial elevations (cm) of this level were NE 20, SE 20, SW 20, NW 20, Center 20. The artifact density was light though with interesting artifacts; one and a half peach pits, two wire cut nails, a piece of white pottery, and a white, mushroom top plastic object. The artifacts were primarily domestic in nature. The Munsell reading for the soil was 10YR2/2, very dark brown with a pocket in the SW corner that was 10YR3/6, dark yellowish brown. The texture of the soil was slightly damp, sandy loam that dried quickly. The inclusions were light roots. The ending elevations (cm) of Level 3 were all 23.

Level 4

The excavation objectives of this level were to excavate the unit 3 cm further, and record all objects collected. The initial elevations (cm) of this level were NE 23, SE 23, SW 23, NW 23, Center 23. The artifact density was very light in this level; slag, nails, two large metal pieces, and a bolt. The artifacts were industrial and suggest the presence of a past structure on the unit. There was a distinct line of color separating the soil types. The Munsell reading for the soil was 10YR3/2, very dark grayish brown with a path in the NW corner that was 10YR3/4, dark yellowish brown. The texture of the soil was damp sandy loam that dried quickly. There was light root converge. The ending elevations (cm) of Level 4 were all 26.

Level 5

The excavation objectives for this level were to continue excavation of the unit, note the soil change and articles recovered. The initial elevations (cm) of Level 5 were as follows NE 26, SE 26, SW 26, NW 26, Center 26. The artifact density for this level was decreased. The artifacts recovered were structural items, which included a large bolt, a piece of slag, and a very large metal piece, which may be part of a locking

mechanism. The soil was classified as Munsell 10YR3/2, very dark grayish brown. The texture was still sandy loam and while slightly damp was drying quickly in the sun. There was one very large root that was particularly annoying and quite a few rocks and pebbles. The ending elevations (cm) of Level 5 were as follows NE 29, SE 29, SW 29, NW 29, Center 29.

Level 6

The excavation objective for this level was to continue excavation of the unit, note soil change, and record the artifacts recovered. The initial elevations (cm) of Level 6 were as follows NE 29, SE 29, SW 29, NW 2, Center 29. The artifact density was decreased to almost nothing. The one artifact that was recovered was a piece of clear glass. The soil was mostly of an orange color with a grey strip along the east wall of the middle. The soil was classified as Munsell 10YR3/4, dark yellowish brown, and the strip was 5 YR5/1, grey. The texture was still sandy loam, with the grey being much more sand, and was slightly damp. There were small roots and two large rocks along the south wall. The ending elevations (cm) of Level 6 were as follows NE 32, SE 32, SW 32, NW 32, Center 32.

Level 7

The excavation objectives for this level were to continue excavation of the midden, level it out, take a probe of the midden, sketch the site, and photograph it. The initial elevations (cm) of Level 7 were as follows NE 32, SE 32, SW 32, NW 32, Center 32. The couple of artifacts that were found may have been from an earlier level since we had a small cave-in in the SW corner. The artifacts recovered were some pieces of roofing paper. The soil was a very mottled color, and was classified as Munsell 10YR3/4, dark yellowish brown for the majority of the midden, with the strip on the east side classified as 10 YR5/2, grayish brown. The texture was now loamy sand and the grey was sand. There were two large rock on the south side of the midden and some small roots. The two probes came up as follows: Core 1, from the grey area: grey runs about 6 cm deep. Core 2, from the center: more of the dark yellowish brown. The area was then sketched. The ending elevations (cm) were as follows NE 37, SE 37, SW 37, NW 37, Center 37.

Level 8

The excavation objectives for this level were to continue the excavation of the midden while observing the objects that came out the grey area and what if anything comes from near the two large rocks . The initial elevations (cm) of Level 8 were as follows NE 37, SE 37, SW 37, NW 37, Center 37. No artifacts were retrieved. After digging down 2 cm we ended the unit since nothing had been found. The south and east walls were scrapped down and profile pictures were taken of them. Sketches were also done of the profiles. The soil was classified as 10YR3/4, dark yellowish brown. The texture was loamy sand and was slightly damp. There were only some small roots. The ending elevations (cm) of Level 8 were as follows NE 39, SE 39, SW 39, NW 39, Center 39.

Level 7

A profile was taken of the entire unit. The image shows the zone marked (I) as being 10YR5/2, grayish brown and was of a sandy texture. It is thought this was a sand lens of non-cultural development. Zone (II) was described as 10YR3/4, dark yellowish brown and was a silt like sand – likely a subsoil level. Two large rocks were also found, which could have been a location marker.

Overall, Unit 16 produced many artifacts from the 20th century but very little from the time areas of interest.

Profiles of Unit 16

Unit 16 - West Wall

A profile of the West wall was taken for Unit 16 (Figure 8.27). The profile of this unit includes 4 zones. There was an active humus zone (I) 10YR2/4, black, which contained a tin can in the upper-right region. Zone (II) was 10YR3/3, dark brown, and contained a nail. Zone (III) contained roots and was described by 10YR3/4, dark yellowish brown, and the subsoil level (Level IV) was 7.5YR3/4, dark brown.

Unit 16 – South Wall

A profile of the south wall was taken, showing distinct layers of soil (Figure 8.28). Zone (I) was the active humus layer, described by 10YR2/2, very dark brown. The buried land surface (Level II) was described by 10YR3/4, dark yellowish brown. This level also contained a piece of dark cloth jutting out of the wall. The subsoil level was described as 7.5YR3/4, dark brown and contained a large rock.

Unit Number: 17

Coordinates: N35-W6

Excavators: Laura Fernandez, Caroline Maloney

Dates of Excavation: 6 July, 2011- 7 July, 2011

This unit's location was chosen because of its proximity to the known privy. It was believed the unit would yield a considerable amount of cultural deposit because privies are moved about every twenty years and so there was a possibility of obtaining materials from a previously discarded privy. The unit was excavated using a combination of trowels and shovels, though trowels were the preferred instrument of choice. The soil recovered during the excavation was screened through quarter inch (1/4in) mesh. Each level's soil color was described using the 10YR Munsell Color Chart, as well as the 7.5YR Munsell Color Chart. The datum for this unit was in the southwest (SW) corner. Levels 0-5 were excavated on July 6, 2011. Levels 6-7 were excavated on July 7, 2011.

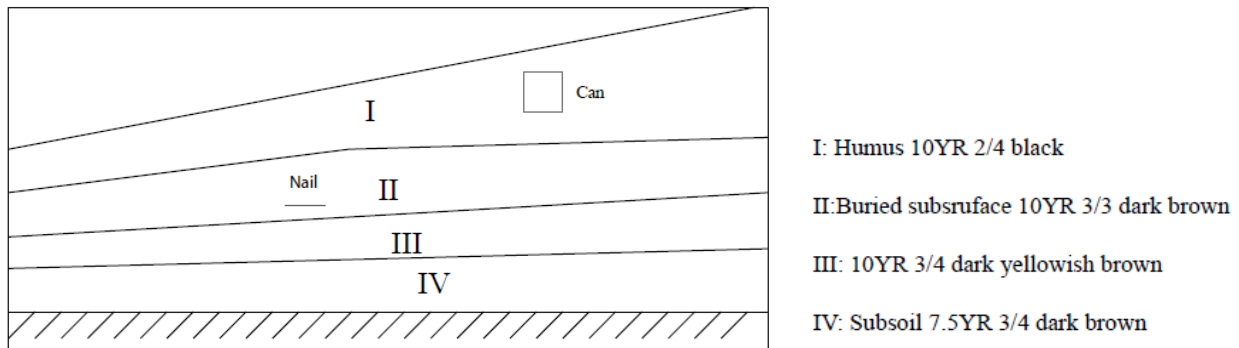


Figure 8.27. Profile of the west wall of Unit 16. Drawn by Ariel Terpstra.

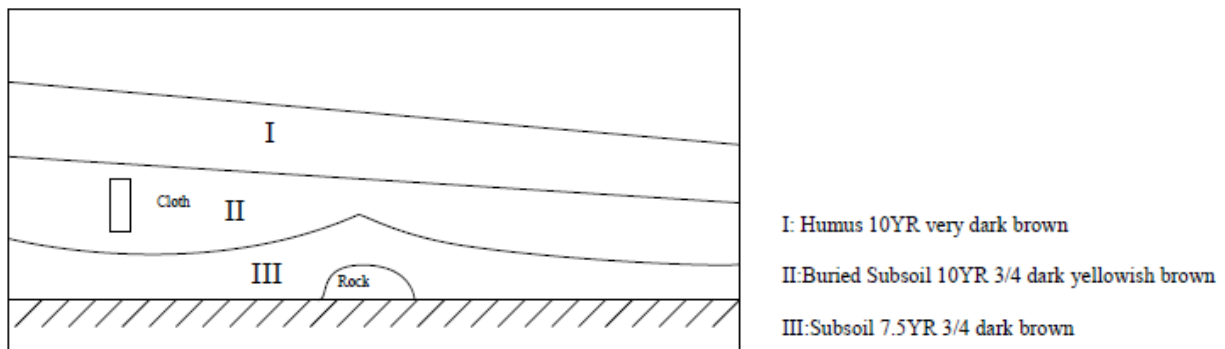


Figure 8.28. Profile of the south wall of Unit 16. Drawn by Ariel Terpstra.

Level 0

The excavation objective for Level 0 was to observe the beginning of the unit. The beginning elevations (cm) were as follows: NE ++, SE 10, SW 10, NW 0, Center 8. The unit was highly overgrown

with grass and weeds. It was adjacent to debris from the outhouse superstructure and nearby to the privy pit. The area was somewhat uneven due to the varying ground levels, and because of that the NE corner was too high to get an accurate measurement on. No artifacts were observed on the surface of the unit.

Level 1

The excavation objective for Level 1 was to once again observe the beginning of the unit. The beginning elevations (cm) were as follows: NE ++, SE 10, SW 10, NW 0, Center 8. The humus layer was removed using a shovel and a spade. There were no distinct features observed. The artifact density was low; several small rusted flakes of metal, pieces of tape, rusted nails, remains of glass bottles, a metal washer, and a small metal ring. The soil color and texture were homogeneous across the level. The soil was 7.5YR3/2, dark brown. The texture of the soil was sandy loam and the moisture content was slightly damp. The inclusions in the soil were multiple roots and an ant colony. The final elevations were: NE 8.5, SE 12, SW 16, NW 11, Center 12.

Level 2

The excavation objective for Level 2 was to level the entire unit down to 16 cm. The beginning elevations (cm) were as follows: NE 8.5, SE 12, SW 16, NW 11, Center 12. The level was leveled using a trowel and shovel. There were no distinct features observed. The artifact density was low; some shingle material, metal slivers, nails and fence staples were found, which indicated building materials from the outhouse were found, as were pieces of clear and brown glass. The soil color and texture were homogeneous across the level. The soil was 10YR3/3, dark brown. The soil was sandy loam and the moisture content was fairly dry, though leaving the level exposed for an hour probably caused that. The inclusions in the soil were grass roots, ants, and small to medium sized rocks. The final elevations were: NE 16, SE 16, SW 16, NW 16, Center 16.

Level 3

The excavation objective for Level 3 was to excavate 3 cm down to 19 cm. The beginning elevations (cm) were: NE 16, SE 16, SW 16, NW 16, Center 16. There were no distinct features observed. The artifact density was moderate and included a large metal clip, nails, a metal bolt, fence staples, a plain white ceramic shard, and a brown glass shard. The soil color and texture were homogeneous across the level. The soil was 10YR3/3, dark brown, was sandy loam, and was a little damp. Inclusions were rocks, grass roots, and ants. The final elevations were: NE 19, SE 19, SW 19, NW 19, Center 19.

Level 4

The excavation objective for Level 4 was to excavate 3 cm down to 22 cm. The beginning elevations (cm) were: NE 19, SE 19, SW 19, NW 19, Center 19. There were no distinct features observed. The artifact density was low and included a thin shard of white pottery, a small metal loop, a thin metal chip, and two metal nails. The soil color and texture were homogeneous across the level. The soil was sandy loam 10YR3/3, dark brown. The moisture content was slightly moist, but easily dried out in the sun. The inclusions were a heavy presence of roots, rocks, and a few ants. The final elevations were: NE 22, SE 22, SW 22, NW 22, Center 22.

Level 5

The excavation objective for Level 5 was to excavate 3 cm further to 25 cm. The beginning elevations (cm) were: NE 22, SE 22, SW 22, NW 22, Center 22. There were no distinct features observed, and no artifacts were found. The soil texture was homogeneous, though the color differed. The two different soil colors were 10YR3/4, dark yellowish brown and 7.5YR4/6, strong brown (general soil type). The soil was a silty, sandy loam and the moisture content was a little damp. The inclusions were rocks and more grass roots. The final elevations were: NE 25, SE 25, SW 25, NW 25, Center 26.

Level 6

The excavation objective for Level 6 was to excavate down 3 cm to 28 cm. The beginning elevations (cm) were: NE 25, SE 25, SW 25, NW 25, Center 26. There were no distinct features observed. Two photographs were taken of the possible rodent burrow in the SE corner. The artifact density was very low with only a rusted nail and part of a scapula found. Two probes were taken on this level, one in the center, yielding a lot of orange colored soil, and one in the SE corner yielding brown-grey, soft soil. The majority of soil color was 7.5YR4/6, strong brown, and the SE corner yielded a sample of 10YR3/4, dark yellowish brown. The soil was sandy loam with damp moisture content. Inclusions were abundant grass roots and many small rocks. The final elevations were: NE 29, SE 30, SW 28, NW 28, Center 28.

Level 7

The excavation objective for Level 7 was to excavate the possible rodent burrow in the SE corner and to excavate 3 cm down to 31 cm. The beginning elevations (cm) were: NE 29, SE 30, SW 28, NW 28, Center 28. No distinct features were observed. Two photographs were taken, one of the South Wall and another of the East Wall. From the subsoil no artifacts were taken and from the SE corner numerous small bones, pieces of duct tape, and shards of plastic were recovered. From the South Wall one small bone was recovered and from the East Wall two small bones were recovered. From zone I the soil color was 7.5YR4/6, strong brown, and the SE corner yielded a color of 10YR4/6, dark yellowish brown. The soil texture was sandy loam and its moisture content was damp, though easily dried. Inclusions in the soil were some roots and numerous pebbles. The final elevations were: NE 31, SE 41 (rodent burrow), SW 31, NW 31, Center 31.

Plan View of Level 6

A plan view was taken of Level 6, whose final elevation was 28 cm. Two zones were identified; the first being the subsoil level and the second being a possible rodent burrow. Two soil probes were taken, one in Zone I and another in Zone II. Samples of the soil in both zones were taken, yielding a Munsell color of 7.5YR4/6, strong brown in Zone I. Zone II yielded a Munsell color of 10YR4/2, dark grayish brown. The soil texture of Zone I was sand, and we took it to be the subsoil. The texture of Zone II was sandy loam. The Plan View was taken because we believed the SE corner to be a rodent burrow and so we planned to excavate it apart from the rest of the unit. The extent of the possible burrow went 31 cm on the East Wall and 34 cm on the South Wall.

Profiles of Unit 17

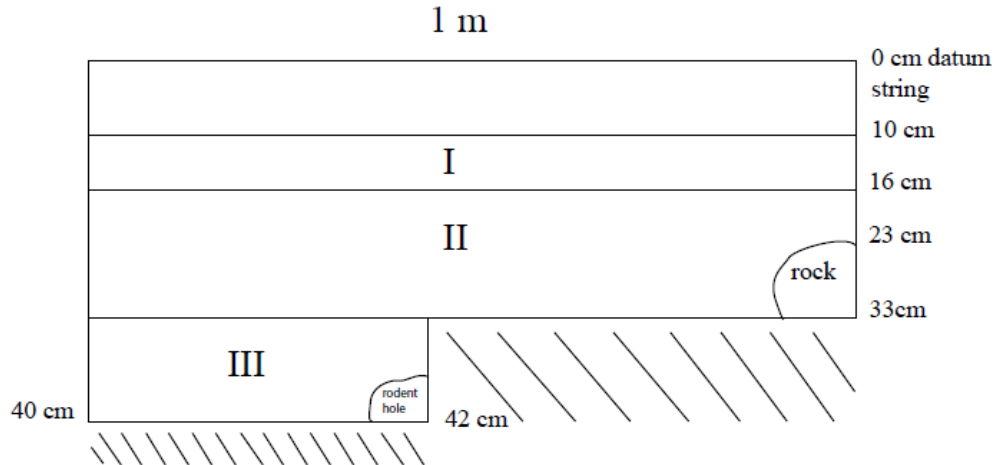
Unit 17 - South Wall

A profile of the South wall of Unit 17 was completed (Figure 8.29). There were 3 major zones of soil in the South wall with a large rock intruding into the second layer and a rodent burrow found in the third level to the SE. The first soil zone (I) was composed of sand and loam and was 10YR3/2, very dark grayish brown. The second soil zone (II) was composed of sandy loam and was described as 10YR3/3, dark brown. The third soil zone (III) was composed of sand and was determined to be 10YR3/6, dark yellowish brown.

Unit 17 - East Wall

In the East Wall 3 major zones were observed (Figure 8.30). The first soil zone (I) was composed of sand and loam and was 10YR 4/4, dark yellowish brown. The second soil zone (II) was composed of loam and was determined to be 10YR 3/2, very dark grayish brown. The third soil zone (III) was composed of silty sand and was 7.5 YR 4/6, strong brown.

Overall the unit provided a low amount of artifacts. Because of the low artifact density of this unit, it was decided to create another unit south of this unit in order to determine if there would be a higher density of artifacts as one excavated closer to the site of the original privy.

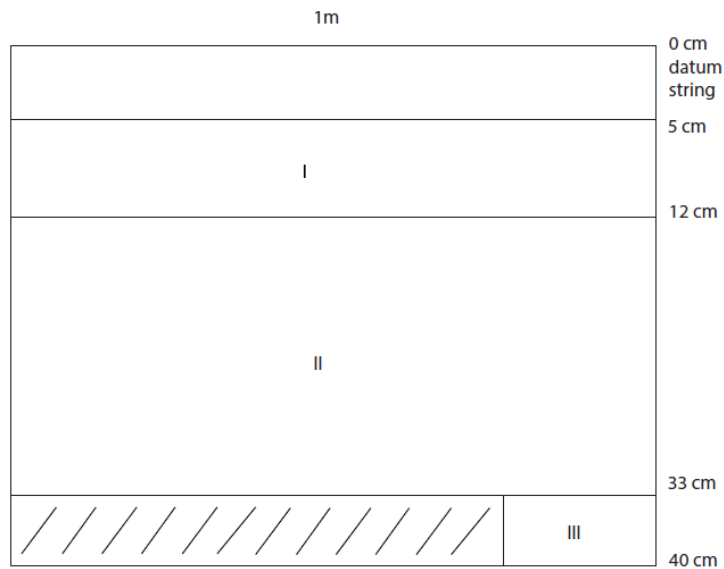


I: Humus layer, 10YR3\2 very dark grayish brown, sandy loam

II: Buried land surface, 10YR3\3 dark brown, sandy loam

III: subsoil, 10YR3\6 dark yellowish brown, sand

Figure 8.29. Profile of the south wall of Unit 17. Drawn by Ariel Terpstra.



I: Humus Layer 10YR4\4 dark yellowish brown, sandy loam

II: Buried Landsurface 10YR3\2 very dark grayish brown, loam

III: Subsoil 7.5YR4\6 stron brown, silty sandy

Figure 8.30. Profile of the east wall of Unit 17. Drawn by Ariel Terpstra.

Unit Number: 18 and 21

Coordinates: N34W4 and N33W4

Excavators: Caroline Maloney, Danielle Rush, Deb Rotman, Ariel Terpstra, Adam Lake and Kaitlyn Davis

Dates of Excavation: 7 July, 2011-19 July, 2011

The unit location was chosen because it was the location of a former privy. The excavation team thought that the unit would have a sizeable amount of cultural deposits due its period of use as a privy and later use as a refuse pit upon closing of the privy. The unit matrix was excavated using shovels and trowels throughout the entire excavation. The soil recovered during the excavation was screened through one quarter inch mesh and described using the 10YR, 7.5YR, 5YR and 2.5Y Munsell Color Chart. The datum for the excavation was initially placed in the southeast corner of unit 18. When unit 21 was opened, the datum was moved to the SE corner of unit 21. At this point, the position for the datum was used for both units. Unit 18, levels 0-1 were excavated July 7, 2011. Unit 18, level 1 continued to be excavated on July 8, 2011. Unit 18, levels 2, 3, 4, and 5 (Zone 3) were excavated on July 11, 2011. Unit 18, levels 6 and 7 (Zone 3) and levels 0-2 were excavated on July 12, 2011. Also, unit 18, level 8 (Zone 3) was opened on this day. Unit 21, levels 3-6 were opened on July 13, 2011 along with unit 18, level 3 (Zone 1) and level 4 (Zone 1). On July 14, 2011 unit 21, level 7, in conjunction with unit 18 (Zone 2), and unit 21, level 7 were excavated. Also, unit 18, levels 8 and 9 (Zone 3) were completed on this day. Unit 18, levels 10 and 11 (zone 3) and unit 18, zones 1 and 5, levels 5 and 6 were excavated on July 15, 2011. On July 18, 2011 Unit 18, levels 12-16 (zone 3) were excavated. On July 19, 2011 soil profiles and photographs of all walls were taken.

Unit 18, Level 0

The objectives of this excavation were to map out the unit, clear the level of grass and check for surface features. The initial elevations (cm) were as follows: NE 5, SE 6, SW 10, NW ++, center 20. During the excavation, half of the unit was revealed to be in the known and most recent privy. The landscape of the unit was varied: the ground was barren and largely without grass where the privy superstructure once stood. There was a grassy mound behind the location of the old structure. There also were a lot of debris, wood, socks, and rocks coming from the removal of the privy superstructure.

Unit 18, Level 1

The objectives of the excavation were to remove the active humus layer and level the unit down to a depth of approximately 20 cm. The beginning elevations (cm) were as follows: NE 5, SE 6, SW 10, NW ++ and center 20. The excavation was conducted with trowels. A lot of the materials were architectural and domestic by nature. It is assumed that the architectural artifacts were associated with the removal of the privy superstructure. As we were digging, a wooden beam was revealed in the southern half of the unit. From this point onward, we began excavating the unit as two separate zones. Specifically, zone 1 contained the region north of the wooden beam and zone 2 was south (below the beam). The Munsell reading for the soil was 10YR3/4, dark yellowish brown for zone 1 and 10YR2/2, dark yellowish brown for zone 2. Both soil types were dry, silt-like loam with inclusions of wood chips and rocks. Photographs were taken of the two zones. A graph was also produced to demonstrate the location of the wooden beam and the division of zones 1 and 2 (see Graph 1). Artifacts recovered included pieces of foamy toilet seat, small pieces of flat metal, asphalt shingles, cut and wire cut nails, white plastic knobs, rubber, brown and clear glass shards, what was possibly a metal toilet-seat hinge, a small piece of foil, tar paper, fence staples, a lollipop stick, small bones, a metal loop, a small piece of paper with writing and a metal surface with writing. Pieces of black pressed felt were also recovered. The ending elevations (cm) were as follows: NE 20, SE 20, SW 17, NW 17 and center 23.

Unit 18, Level 2

The objectives for this level were to attempt to level the unit to 23 cm while excavating zones 1 and 2 separately. The beginning elevations (cm) were as follows: NE 20, SE 20, SW 17, NW 17 and center 23. As we dug down, three zones emerged which we would proceed to excavate separately. Zone 1 in the north was the subsoil or midden. The middle zone, Zone 3, consisted of night soil and zone 2 in the south was strictly sandy loam. Graphs and photographs were procured. The graph also depicted the same wooden beam but its function was to show the fragments of the wooden beam that appeared halfway across the unit, separating zones 1 and 3 (see Graph 2). Zones 2 and 3 were not excavated within this level and zone 3 only emerged upon excavating level 1. As we excavated we encountered many grass roots, small rocks and feminine sanitary products. We decided to keep the south wooden boundary between zones 2 and 3 intact

during the excavation of this level. The Munsell reading for the soil composition of zone 1 was 10YR5/4, yellowish brown and 10YR3/1, very dark gray. For zone 3, the reading was 5YR2.5/1, black. For zone 2, the reading was 10YR3/3, dark brown. The texture for the former reading in zone 1 was slightly damp, silt-like sand and for the latter reading was slightly damp, sandy loam. For zone 3, the texture was fine, moist loam, most likely night soil. For zone 2, the texture was sandy loam. Inclusions were roots, ants and small rocks. This level continued to yield construction materials and domestic items. Artifacts recovered were nails, a bolt, asphalt shingle pieces, small pieces of pressed felt, several bones and small shards of clear glass. The ending elevations (cm) were as follows: NE 21, SE 20, SW 17, NW 20 and center 25.

Unit 18, Level 3

The objectives for this excavation were to excavate zones 1, 2 and 3 separately, remove 5 cm from zones 2 and 3 and take zone 1 down to 25 cm. The beginning elevations (cm) were as follows: NE 21, SE 20, SW 17, NW 20 and center 25. After consultation our initial objective was limited to excavating zone 3 only, and to endeavor to expose the wooden beam separating zones 2 and 3. The Munsell reading for the soil, zone 3, was 5YR2.5/1, black and 10YR3/3, dark brown. Inclusions were roots and small rocks. Artifacts observed included a pair of men's underwear, brand-Hanes, size-34, a plastic bag that once held toilet paper and numerous feminine sanitary products. No artifacts were recovered. The ending elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 30.

Unit 18, Zone 3, Level 4

The objectives of this excavation were to remove 5 cm of soil, note the soil composition and collect artifacts. The beginning elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 30. As we dug, we encountered more feminine sanitary products and exposed artifacts such as ridged white glass or porcelain and a brown, glass bottle that would be removed in the next level. The Munsell reading for this level was 5YR2.5/1, black. Inclusions were rocks and parts of the wooden beam. Artifacts recovered included a small shard of glass or plastic, printed paper noting enclosed documents and a nail. The ending elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 37.

Unit 18, Zone 3, Level 5

The objectives of the level were to excavate 11 cm in Zone 3, note soil composition and collect artifacts. The beginning elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 37. Essentially, the excavation involved digging further into the soil which revealed more feminine products and roots. The Munsell reading for zone 3 was 5YR2.5/1, black. The soil was damp, compacted loam. Artifacts recovered were concentrated on the east side of the zone against the wooden beam that created the southern boundary of the zone. The artifacts included white glass shards of a lamp shade, two *Radiotron* bulbs, pottery shards with a maker's mark-Laughlin and remnants of gold leaf along the edges, foil, a glass disc that most likely was a section of a microwave plate (found between levels 4 and 5) and finally, an intact, brown beer bottle manufactured in Grand Rapids (found between levels 3 and 5). The ending elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 45. A greater emphasis on digging in the center was due to the location of Zone 3.

Unit 18, Zone 3, Level 6

The objectives for this level were to bring zone 3 down 10 cm or excavate until the soil color changed. The beginning elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 45. While digging, a second wooden board emerged at a depth of 54 cm that ran roughly parallel to the northern and southern boundaries of zone 3. Future excavations would further expose the board. Several items including a brown bottle and a fragment of glass disc were observed in the east wall of the zone. The Munsell reading was 5YR2.5/1, black, the color of the night soil, which was the majority of the zone. A patch of 2.5Y6/6, olive yellow appeared at 51 cm in the NW corner of zone 3. Adjacent to this patch was a patch of 5YR3/4, dark reddish brown at 51 cm. The soil was very damp, compacted loam. Inclusions were roots and pebbles. Artifacts recovered included clear glass shards, a clear glass bottle, a white pottery shard and heavily rusted nails. The ending elevations (cm) were: NE 21, SE 30, SW 25, NW 20 and center 55.

Unit 18, Zone 3, Level 7

The objectives for this level were to bring zone 3 down 10 cm and further expose the wooden board. The beginning elevations (cm) were as follows: NE 21, SE 30, SW 25, NW 20 and center 55. As we excavated, we kept the beam that ran parallel to the northern and southern boundaries of zone 3 intact and exposed the sides of the aforementioned board. A flat metal blade with teeth, most likely a saw blade was revealed to be lodged in the western part of the zone (see Graph 3). In the SE corner of the zone was also lodged a ridged metal object. The Munsell reading for this soil was 5YR2.5/1, black, and the texture was moist, sandy loam with inclusions of roots and pebbles. Artifacts recovered included part of a large, aqua colored, rectangular glass bottle marked with the inscription-Rawleigh's. We also found two small, clear medicine bottles, the neck of a small clear bottle, glass shards, rusted nails and a large, curved metal rod. A brown bottle with a cork inside that was lodged in the west wall between levels 6 and 7 was also removed. A clear, glass bottle on the surface would be removed in the next level. Following this excavation unit 18 was temporarily closed after a bottle was removed at the depth of level 8. Unit 18 was reopened on July 14, 2011 when the excavation of level 8 was completed. Meanwhile, Unit 21, to the south of this unit, was opened. The ending elevations (cm) for this level were as follows: NE 21, SE 30, SW 25, NW 20 and center 65.

Unit 18, Zone 3, Level 8

The objectives for this level were to excavate zone 3 by 10 cm and observe whether metal pieces and the saw blade could be removed without disrupting provenience. The beginning elevations (cm) were as follows: NE 73, SE 73, SW 73, NW 73 and center 84. A deeper center elevation was the result of the removal of a bottle. Whereas earlier measurements spanned the entire unit, these elevations were representative only of zone 3. During this excavation we encountered several metal pieces in the SE corner of the zone, including a saw blade. Also, we cut out some of the remaining parts of a wooden beam in the northern part of zone 3 to make for easier access. The Munsell reading for this soil was 10YR2/2, very dark brown. The soil was damp, dense loam. Artifacts recovered included a rusted piece of saw blade, a large glass jar without a bottom, a small, clear glass bottle, a shard of clear glass, small clear crystal shaped glass which is now known to be part of a chandelier and a clear, intact bottle marked Goebel's Beer, Detroit. We also found a nail, pieces of metal and asphalt shingles. At the final depth of this level, a bottle and a helical shaped, oxidized piece of metal were observed. The ending elevations (cm) were as follows: NE 84, SE 73, SW 84, NW 84 and center 88.

Unit 21, Level 0

The objective for this level was to remove the top 10 cm of dry dirt. No sifting was required. The beginning elevations (cm) were as follows: NE 28, SE 10, SW 14, NW 27 and center 20. During the excavation, many pieces of wood and plastic debris were observed. Thick grasses and weeds were growing in the southern part of the unit. The Munsell reading was 10YR2/2, very dark brown with a texture of dry, sandy loam. Inclusions were limited to roots and pebbles. No artifacts were recovered. The ending elevations (cm) were as follows: NE 32, SE 30, SW 30, NW 30 and center 35.

Unit 21, Level 1

The objective of this level was to excavate down 5 cm and level the unit at 35 cm depth. The beginning elevations (cm) were as follows: NE 32, SE 30, SW 30, NW 30 and center 35. The Munsell reading for the soil was 10YR4/3, brown and the texture was slightly damp, sandy loam. Inclusions were roots, rocks and an ant hill. Several nails were recovered during the excavation. The ending elevations (cm) were as follows: NE 35, SE 35, SW 35, NW 35 and center 35.

Unit 21, Level 2

The objectives for this level were to excavate down 5cm, observe soil changes and collect artifacts. The beginning elevations (cm) were as follows: NE 35, SE 35, SW 35, NW 35 and center 35. The Munsell reading for the soil composition was 10YR3/2, very dark grayish brown with patches of 10YR3/6, dark

yellowish brown. The texture was slightly damp, sandy loam with root and rock inclusions. No artifacts were recovered. The ending elevations (cm) were as follows: NE 40, SE 40, SW 40, NW 40 and center 40.

Unit 21, Level 3

The objectives of this level were to excavate down approximately 6 cm, observe soil changes and collect artifacts. The beginning elevations (cm) were as follows: NE 40, SE 40, SW 40, NW 40 and center 40. The Munsell reading included two tones, with a higher concentration of darker soil in the northern region-10YR3/1, very dark gray. The texture for this soil was slightly damp, grain-like, sandy loam. In the southern region of the unit was soil of 10YR5/6, yellowish brown. This color was the traditional color of subsoil but was lacking the accurate texture. Inclusions were roots and pebbles. No artifacts were recovered. The ending elevations (cm) were as follows: NE 47, SE 46, SW 46, NW 46 and center 47.

Unit 21, Level 4

The objectives of this level were to excavate down approximately 6 cm and even the unit to the depth of the adjacent zone 2 of unit 18. The beginning elevations (cm) were as follows: NE 47, SE 46, SW 46, NW 46 and center 47. Two different soil compositions are noted from the earlier level. The Munsell reading for the southern region is 10YR5/6, yellowish brown and in the northern region is 10YR3/2, very dark grayish brown. The texture for both was damp, sandy loam with inclusions of roots and small rocks. No artifacts were recovered but a medium sized rock was revealed in the west wall of the unit. We successfully evened the depth of this level out with zone 2. From this point forward, zone 2 of unit 18, was treated as part of unit 21. The ending elevations (cm) were as follows: NE 52, SE 53, SW 53, NW 53 and center 53.

Unit 21, Level 5

The objectives of the excavation were to dig down 10 cm and continue to expose the wooden plank that creates the northern boundary of zone 2. The beginning elevations (cm) were as follows: NE 52, SE 53, SW 53, NW 53 and center 53. A soil change occurred during the excavation that revealed sandier soil in the southern region of the unit while the soil along the north wall remained darker in color. The Munsell reading for the southern half of the unit was 10YR5/6, yellowish brown and for the northern region-10YR3/2, very dark grayish brown. The texture was damp and grain-like sand with the darker soil closely resembling loam. Inclusions in the soil were a rock in the west wall that was removed and an assemblage of roots distributed throughout the soil. The only artifact recovered was a small piece of leather found along the wooden beam in the northern boundary of zone 2. The ending elevations (cm) were as follows: NE 62.5, SE 63, SW 63, NW 62 and center 63.

Unit 21, Level 6

The objectives for this level were to remove 10 cm of soil. The beginning elevations (cm) were as follows: NE 62.5, SE 63, SW 63, NW 62 and center 63. There was no need to screen the soil because it was culturally sterile subsoil. By removing this soil, access to unit 18, zone 3 was made more accessible especially considering the unstable soil conditions. A shovel was initially used to move dirt although trowels were used along the wooden beam due to its fragile nature. The unit was photographed and graphed at this level, focusing on the position of the wooden beam in order to remove the wooden beam in future excavations (see Graph 3). At this time, we also scraped back the soil matrix adjacent to the southern side of the wood plank; these deposits were screened separately but contained no artifacts. The Munsell reading for the soil in the southern region was 10YR6/6, brownish yellow and for the soil in the northern region-10YR4/3, brown. Both soil types were damp, sandy loam with inclusions of roots and small rocks. No artifacts were recovered at this time. The ending elevations (cm) were as follows: NE 73, SE 73, SW 71, NW 73 and center 74.

Unit 18, Zone 1, Level 3

The objectives for this level were to remove 10 cm from zone 1 only, observe changes in the soil composition, and collect artifacts. All measurements for this level were based off the new datum stick which

was located at the southeast corner of unit 21. As a result, they no longer necessarily correspond to prior unit 18 depths. The beginning elevations (cm) for zone 1 only were as follows: NE 51, SE 48, SW 50, NW 47 and center 48. For reference, the elevations of unit 18, zone 2, based upon the new datum stick, were as follows: NE 82, SE 75, SW 79, NW 79 and center 84. We cut down the wooden privy wall that had separated zones 2 and 3 of unit 18 and we sifted the debris only to find two nails. The Munsell reading for the soil was 10YR3/1, very dark gray. The texture was fairly dry, sandy loam with inclusions of small roots and rocks. Artifacts recovered included nails, clear and brown glass shards, white pottery sherds, metal fence staples, a small piece of screen, and small pieces of metal. The ending elevations (cm) were as follows: NE 61, SE 62, SW 62, NW 61 and center 62.

Unit 18, Zone 1, Level 4

The objectives for this level were to excavate 5 cm further into the soil, observe the soil change and collect artifacts. The Munsell reading for the soil was 10YR3/1, very dark gray with a texture that was slightly moist and sandy (see Graph 3). Inclusions were various roots and stones. Artifacts recovered included nails and a shard of curved, clear glass. The ending elevations (cm) were as follows: NE 67, SE 66, SW 66.5, NW 66 and center 66.5.

Unit 21 and Unit 18, Zone 2, Level 7

The objective for this level was to assess the nature of zone 2. The beginning elevations (cm) were as follows: NE 74, SE 74, SW 74, NW 74 and center 74. This excavation occurred in a single, cultural episode that yielded no artifacts. The soil color and texture remained consistent throughout the excavation of this level. The Munsell reading was 10YR3/4, dark yellowish brown with spots of 10YR4/6, dark yellowish brown and patches of 10YR6/6, brownish yellow. Excavation was not conducted in either of the southern corners of the unit. For the remaining corners, the ending elevations (cm) were: NE 90 and NW 91.

Unit 21 and Unit 18, Zone 2, Level 8

The objective for this level was to continue to assess the nature of zone 2, excavating only the northern portion of the unit. The beginning elevations (cm) were as follows: NE 90 and NW 91. As part of the excavation of this level we removed the wood that separated zones 2 and 3. This facilitated greater access to the excavation of zone 3. No artifacts were recovered from zone 2. As a result, we hypothesized that zone 2 represented a builder's trench for the adjacent privy. Given the sandy conditions of Beaver Island, a simple pit privy would not have been possible. Although we did not fully excavate to the base of the builder's trench, we decided to terminate excavation because the sandy soil was too unstable. The Munsell reading for the soil was 10YR4/3, brown. The texture was very sandy loam with slightly damp moisture content. The inclusions were roots and small rocks. No artifacts were recovered. The ending elevations (cm) were as follows: NE 95 and NW 97.

Unit 18, Zone 3, Level 9

The objectives were simply to excavate down 10 cm of the night soil, to observe soil color changes and collect artifacts. The beginning elevations (cm) were as follows: NE 89, SE 73, SW 84, NW 84 and center 85. There was some fall and debris at the surface of the level that resulted from the removal of the wooden beam adjacent to zone 3. As a result, there could be a slight loss of provenience but no artifacts were recovered in the sifting of the soil beneath the wood. Also, as we excavated, the remaining half of the rusted saw blade continued to be lodged in the eastern wall as we were unable to remove it. The Munsell reading for the soil was 7.5YR2.5/2, very dark brown. The soil was slightly moist, sandy loam with inclusions of mostly rock. Artifacts recovered included an animal skull with many bone fragments, a brown, Grand Rapids beer bottle, chandelier crystals, newspaper or phone book scraps, nails, glass shards, part of a leather shoe, a wheel used to move furniture, oxidized chandelier structures, a decorative finial and large pieces of metal from the SE corner and eastern wall. Also at this level a sample was taken of fruit seeds. Size ranged from small to large round shaped seeds and almond shaped seeds. The ending elevations (cm) were: SE 105 and SW 98.

Unit 18, Zone 3, Level 10

The objectives for this level were to excavate the night soil in zone 3, observe soil color changes and collect artifacts. The beginning elevations (cm) were as follows: SE 105 and SW 98. The density of artifacts decreased with depth. The texture also became denser towards the end of the level, broke easily into blocks and contained many fruit seeds. The Munsell reading for the soil was 10YR3/4, dark yellowish brown. The texture and moisture content was slightly, damp, sandy loam. Artifacts recovered included several bone fragments, three fragments of clear glass bottles marked C.H.Daniels, a clear glass bottle marked Eidelweiss, a brown bottle marked Schoenhofer with cork intact, glass bottle shards, feathers, chandelier pieces that curved at the ends and chandelier crystals. We also took samples of seeds and fruit skins. The ending elevations (cm) were as follows: SE 113 and SW 114.

Unit 18, Zone 3, Level 11

The objectives for this level were to remove additional night soil, observe the change in soil color and collect artifacts. The beginning elevations (cm) for zone 3 only were as follows: SE 113 and SW 114. We began this excavation by digging below the metal objects embedded in the east wall. The full excavation level was brought down to one, flat level before proceeding with level 11. Objects from this level were labeled as being from levels 8 and 9. The ending elevations (cm) were as follows: NE 106 and NW 110.

Unit 18, Zones 1 and 5, Level 5

The objectives for this level were to excavate down to dark, night soil, observe the change in soil color and collect artifacts. The beginning elevations (cm) were as follows: NE 57 and NW 60. The division of the two zones is depicted in Graph 4. At this time, we did a soil probe on the east side of the unit which revealed 10 cm of clean fill, followed by dark, organic matter. In the soil probe from the west side there were 10 cm of lighter loam and 30 cm of dark, rich loam. As we excavated this level, we observed and discarded three disposable white diapers. Debris in this matrix appeared to be modern, i.e. shingles, small bits of glass and several nails. Other artifacts recovered included small, bone fragments and a wad of paper with legible writing on it in the SE corner. The Munsell reading for zone 1 was 10YR4/4, dark yellowish brown that was dry sand. For zone 5, the reading was 10YR2/2, very dark brown that was slightly damp, sandy loam. Inclusions were roots and pebbles for both zones. The ending elevations (cm) were: NE 75 and NW 76.

Unit 18, Zones 1 and 5, Level 6

The objectives for this level were to remove an additional 10 cm of the soil matrix, observe the soil change and collect artifacts. The beginning elevations (cm) were as follows: NE 75 and NW 76. During the excavation of this level, several plastic tampon applicators and a disposable white diaper were observed but not collected. Clearly, much modern debris remained in the strata below our current depth. Perhaps, the builder's trench on the other side may have been filled with modern trash or there may be a more modern trash pit that was excavated into the old privy. The Munsell reading for the soil was 10YR2/2, very dark brown mottled with 10YR4/6, very dark grayish brown. It was damp, very sandy, loam. At this point, the excavation of these zones was terminated due to the time period of the artifacts recovered. The ending elevations (cm) were as follows: NE 80 and NW 79.

Unit 18, Zone 3, Level 12

The objectives for this level were to bring zone 3 down to 116 cm or to reach soil of a different composition and to collect all artifacts. The beginning elevations (cm) were as follows: NE 106 and NW 110. The saw blade continued to jut out of the SE corner. As a result, we needed to lift the saw blade in order to reach the soil beneath it. The Munsell reading for the soil was 10YR2/2, very dark brown. The texture was damp, sandy loam with root and rock inclusions. Artifacts recovered included an aqua glass bottleneck, clear, brown, aqua, and yellow glass shards, metal nails and some bone fragments. A seed sample was also collected. The ending elevations (cm) were as follows: NE 120 and NW 121.

Unit 18, Zone 3, Level 13

The objectives for this level were to bring zone 3 down 10 cm or reach soil of a different composition and to collect all artifacts. The beginning elevations (cm) were as follows: NE 120 and NW 121. Sandy soil was reached on the NW side of the unit. Many fruit seeds remained, but the number was less than in previous levels. Long, thin roots were dispersed throughout the soil and a bright red, clay-like substance was uncovered in the middle of the unit. The Munsell reading was 10YR3/3, dark brown. The texture was damp, fine, sandy loam with many roots and pebbles. Artifacts recovered included two inches of clipped human hair, square felt pieces with hair embedded in them, glass shards and metal pieces. Samples of fruit seeds and the red, clay-like substance were taken at this time. The ending elevations (cm) were as follows: NE 130 and NW 131.

Unit 18, Zone 3, Level 14

The objective for this level was to dig 3-5 cm through the use deposit. The beginning elevations (cm) were as follows: NE 130 and NW 131. In the use deposits, we reached very dark, compact night soil with many seeds and long, thin roots throughout the soil. The Munsell reading for the soil was 10YR3/3, dark brown. The texture was moist, sandy loam with the exception of the night soil which was fine and compact. Artifacts recovered included glass shards, pieces of white ceramic, printed paper, red clay-like substance and different seed samples. The tops of two white dishes were observed in the SE corner of the unit. The ending elevations (cm) were as follows: NE 133 and NW 133.

Unit 18, Zone 3, Level 15

The objectives of this level were to excavate 3-5 cm in the use deposit, observe changes in soil composition and collect artifacts. The beginning elevations (cm) were as follows: NE 133 and NW 133. This level contained dark, night soil with a heavy concentration of fruit seeds and roots. Due to our weight placement while excavating, the walls were slightly caving in on both sides. The Munsell reading for the night soil was 10YR2/1, black and for the sandy loam 10YR2/2, very dark brown. Artifacts recovered included two white dishes that were stacked upon one another in the SE corner. One of the dishes had a solid white rim while the other had a gold leaf pattern around a curved rim. We also found a piece of printed paper and glass shards. Seed samples were also taken for this level. The ending elevations (cm) were as follows: NE 138 and NW 138.

Unit 18, Zone 3, Level 16

The objectives of this level were to dig 3-5 cm into use soil, observe the changes in soil composition and collect artifacts. The beginning elevations (cm) were as follows: NE 138 and NW 138. At this level we removed an aqua, unmarked glass bottle from the east wall roughly 10 cm above the depth of the level. The Munsell reading for the soil was 10YR2/2, very dark brown. The soil was damp, compact, sandy loam containing many fruit seeds and small roots. Artifacts recovered included a piece of pottery, a shard of brown glass and an animal vertebra. Fruit seed samples were collected. This level marked the end of the excavation of zone 3 and of the entire unit. The ending elevations (cm) were as follows: NE 143.5 and NW 143.

Profile of Units 18 and 21

The profile for both units was taken by using the line level set at the 10 cm mark on the datum point. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings and soil texture were taken for each of the layers.

Unit 18-North Wall

A profile of the north wall was made for unit 18. The profile for this wall of the unit contained a total of three distinguishable layers of strata. The surface area for unit 18 had an undulated slope which was noted in the measurement of the atmospheric level. Beneath the atmosphere the soil profile emerged in three distinct layers. The first layer, A, was the active humus layer and had a Munsell reading of 10YR4/3, brown, and the texture was sandy loam. A small pocket beneath this layer, B, was dense sandy loam with a Munsell reading of 10YR2/1, black. A mottled composition was observed for the deepest layer, C. The soil

composition was sand with a reading of 10YR3/2, very dark grayish brown and a sandy loam with a reading of 10YR4/6, dark yellowish brown. This completed the profile for the north wall.

Unit 18-West Wall

A profile of the west wall was made for unit 18 (Figure 8.31). The profile for this wall of the unit contained a total of three distinguishable layers of strata that were vertical in orientation. The surface area for the west wall was uneven with a dip in the middle. The first layer, A, was a sandy loam with a Munsell reading of 10YR4/3, brown. Adjacent to this layer was B, a more dense sandy loam with a Munsell reading of 10YR2/1, black. Further adjacent to this layer was a mottled layer of C and D. The Munsell reading for C, a sandy loam, was 10YR3/2, very dark grayish brown while the Munsell reading for D, sand, was 10YR3/6, dark yellowish brown. This completed the profile for the west wall.

Unit 18-East Wall

A profile for the east wall was made for unit 18 (Figure 8.32). The profile for this wall of the unit contained a total of three distinguishable layers. The surface area sloped downwards towards the southern corner of the unit. The first layer, A, encompassed the northern half of the profile, beginning at the atmospheric level and ending at the base of the unit. This was a sandy loam with a Munsell reading of 10YR4/3, brown. Layer B, was a sandy loam with a Munsell reading of 10YR3/2, very dark grayish brown. Beneath this layer was C, a dense sandy loam with a Munsell reading of 10YR2/1, black. The saw blade mentioned earlier in the unit summary appeared at a depth of 80 cm within layer C. This completed the profile for the east wall.

Unit 21-South Wall

A profile for the south wall was made for unit 21. The profile for this wall of the unit was broken into five distinguishable levels, designated with Roman Numerals I-V, horizontal in orientation, with an even surface layer across the south wall. Level I was a sandy loam with a Munsell reading of 10YR4/2, dark grayish brown. Beneath that was level II, with a characteristic V-shaped dip into the soil that extended to the base of level III. The soil here was sandy loam with a Munsell reading of 10YR3/2, very dark grayish brown. Level III, present on both sides of the dip of level II was a sandy loam with a Munsell reading of 10YR3/6, dark yellowish brown. Level IV, a curved section on the east side of the wall, had the same depth as level V. The Munsell reading for this soil was 10YR3/3, dark brown, and the soil was dense, sandy loam. Level V was also a sandy loam with a Munsell reading of 10YR4/4, dark yellowish brown. This completed the profile for the south wall.

Unit 21-West Wall

A profile for the west wall was made for unit 21 (Figure 8.31). The profile for this wall of the unit was broken into three distinguishable levels with a surface layer that sloped downwards in the northern region of the wall. Level I was a sandy loam with a Munsell reading of 10YR3/2, very dark grayish brown. Level II existed as a small pocket beneath level I. The soil was sand with a reading of 10YR3/6, dark yellowish brown. The final level, level III, was a sandy loam with a reading of 7.5YR6/6, reddish yellow. This completed the profile for the west wall.

Unit 21-East Wall

A profile for the east wall was made for unit 21 (Figure 8.32). The profile for the east wall was broken into four distinguishable layers with a surface level that gradually sloped downwards towards the northern section of the unit. Level I was a sandy loam with a reading of 10YR4/2, dark grayish brown. Beneath this was level II, which was a thin even layer that evolved into a deeper pocket in the southern section of the unit. The soil was a sandy loam with a reading of 10YR3/6, dark yellowish brown. Level III was sand with a reading of 10YR5/6, yellowish brown. Level IV possessed a more vertical orientation and was positioned in the far north of the unit. The soil was a sandy loam with a reading of 10YR2/2, very dark brown. This completed the profile for the east wall.

Overall, unit 18 produced a high density of artifacts among disposable sanitary products. The origin of unit 18 was a builder's trench that was then lined with wood to create a boxed privy. This would prevent the surrounding sand from caving in. The collection of more domestic and hardware type materials supported the hypothesis that the privy also functioned as a refuse pit in the period before its closure.

The builder's trench that encompassed unit 18 also extended into unit 21 even though little to no artifacts were recovered in this unit.

Unit Number: 19

Coordinates: N33 W6

Excavators: Adam Lake, Danielle Rush, Kasia Ahern, Deborah Rotman, Kaitlyn Davis

Dates of Excavation: 8 July, 2011- 12 July, 2011

This unit was chosen because of its proximity to the known privy shaft. It was thought that the unit would contain a substantial amount of cultural deposits because the residents of the house could possibly have thrown debris into or around the privy shaft. There was a substantial amount of wood from the former privy structure that was moved out of the unit before the excavation. The unit matrix was excavated using a trowel and shovel. The soil recovered from the unit during the excavation was screened through a quarter inch (1/4 inch) mesh. The soil was described using the 10YR Munsell Color Chart.

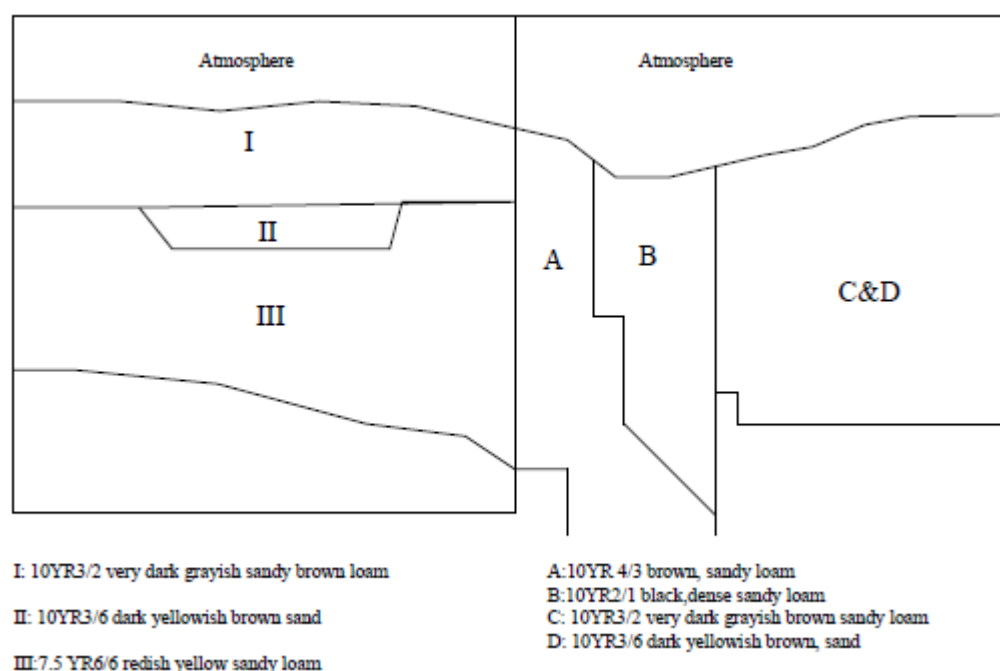


Figure 8.31. Profile of the west wall of Units 18 and 21. Drawn by Ariel Terpstra.

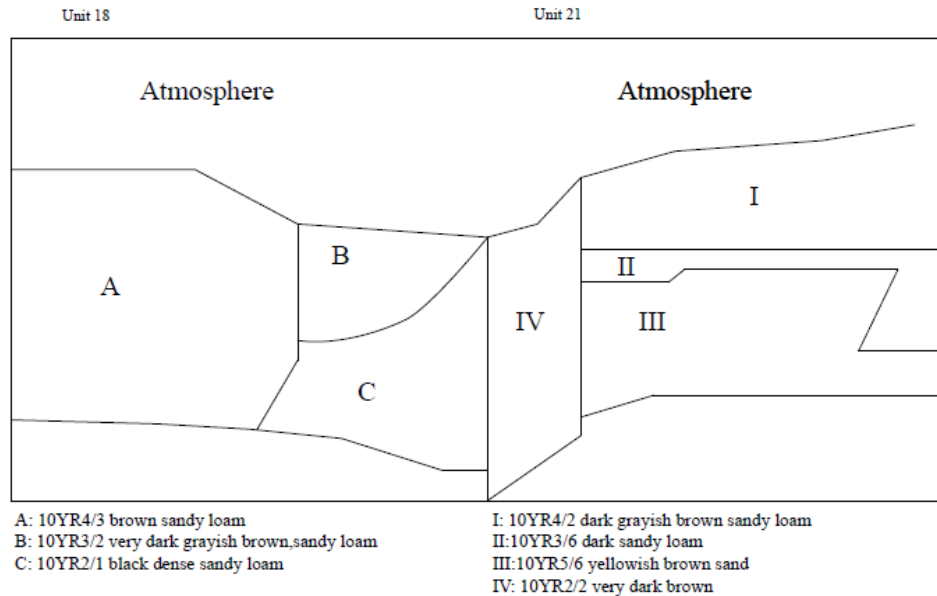


Figure 8.32. Profile of the east wall of Units 18 and 21. Drawn by Ariel Terpstra.

Level 0

The excavation objective for Level 0 was to remove the grass layer, check for surface features, and prepare the unit for further excavation. The beginning elevations (cm) were as follows: NE 9, SE 10, SW 8, NW 7, Center 9. The unit had grass, soft ground, and debris from the previous privy structure – a large amount of wood was present on the unit site. The ground was soft and uneven. No artifacts were observed on the surface of this unit.

Level 1

The excavation objectives for this level were to clear the grass and observe the beginning of the unit. The beginning elevations (cm) of Level 1 were as follows: NE 9, SE 10, SW 8, NW 7, Center 9. The active humus layer was removed with a spade. The artifact density was quite high; a metal gas line pipe (not collected), linoleum shingles (not collected), rope, a can top, pieces of metal, and wood from the previous structure. The artifacts collected were left in the 20th and 21st centuries. The main unit soil was 10YR3/1, very dark grey. The soil texture was sandy loam and the moisture context was quite dry. The inclusions in the soil were small roots. The final elevations (cm) were NE 16, SE 20, SW 14, NW 15, Center 14.

Level 2

The excavation objectives of this level were to level the unit to around 20 cm, and begin the excavation of the desired culture levels. The initial elevations (cm) of this level were NE 17.5, SE 18.5, SW 16, NW 16, Center 14. The artifact density was very light; nails, metal, glass, and building material from the previous structure. The artifacts were primarily classified as structural and domestic. The Munsell reading for the soil was 10YR2/2, very dark brown, and the texture was fine, sandy loam. The moisture content was very wet. The inclusions were light roots and small stones with pockets of sand. The ending elevations (cm) of Level 2 were NE 21, SE 22, SW 21, NW 20.5, Center 21.

Level 3

The excavation objectives of this level were to uniformly level the unit 3 cm and to continue the excavation of cultural artifacts. The initial elevations (cm) of this level were NE 24.5, SE 25, SW 25, NW 24, Center 25.25. The artifact density was light; various nails, a bolt, and a piece of ceramic. The artifacts

were primarily domestic and industrial in nature. The Munsell reading for the soil was 10YR2/2, very dark brown. The texture of the soil was fine, sandy loam with a moisture content of quite dry. The only inclusions were light roots and a heavy insect content. The ending elevations (cm) of Level 3 were NE 28, SE 26, SW 25, NW 28, Center 28.

Level 4

The excavation objectives of this level included leveling out the unit to roughly 35cm, recovering artifacts and cutting roots. The beginning elevations (cm) of Level 4 were as follows: NE 28, SE 26, SW 25, NW 28 and Center 28. Upon completion of the excavation, it was evident that the composition of the soil had changed. Two color patterns were noted: 10YR3/6, dark yellowish brown and 10YR3/2, very dark grayish-brown. The texture is sandy loam and the moisture content is high. The only artifact that was recovered in this level was one nail. The final elevations (cm) of Level 4 were as follows: NE 36 cm, SE 35, SW 35, NW 37 and Center 35.

Level 5

The excavation objectives of this level included digging until the subsoil was reached, and leveling out all four corners of the unit. The beginning elevations were as follows: NE 36 cm, SE 35, SW 35, NW 37 and Center 35. Upon completion of the excavation, culturally sterile subsoil was reached. The soil composition was 10YR3/6, dark yellowish brown with a texture of wet sandy loam. The only inclusion noted was light roots dispersed throughout the entire unit. No artifacts were recovered. The final elevations (cm) of Level 4 were NE 41, SE 42, SW 42, NW 42, Center 42. This level ended the excavation of the unit.

Unit 19 Profile

A profile of the unit was taken using the datum used throughout the entirety of the unit's excavation. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. Munsell readings and soil texture were taken for each of the layers.

Unit 19 – South Wall

A profile of the South Wall was drawn for Unit 19 (Figure 8.33). The profile of this unit included 3 distinct soil zones. There was an active humus layer on the first level (marked as Level 1) that had a Munsell reading of 10YR3/4, dark brown yellowish brown. Level 2 was composed of soil, pebbles, and roots with a Munsell reading of 10YR3/4, dark brown yellowish brown. The third level was a subsoil region with a Munsell reading of 10YR3/6 dark brown yellowish brown. Overall, this Unit 19 produced very few artifacts of cultural significance. This could be indicative of the families' use of space around the privy area. This could as indicate the socioeconomic status of the family and their use of household objects.

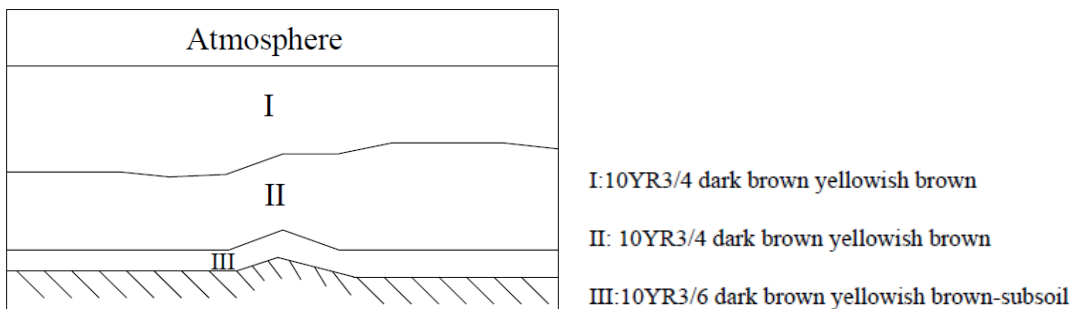


Figure 8.33. Profile of the south wall of Unit 19. Drawn by Ariel Terpstra.

Unit Number: 20

Coordinates: S12 E9

Excavators: Maria Rodriguez and Laura Fernandez

Dates of Excavation: 11 July 2011- 12 July 2011

The unit location was chosen because of its proximity to the back of the house. Located behind a collapsed tool shed, the excavation team thought that it would have a vast array of cultural deposits from each generation of families that lived at the homestead (Germans, Mormons, and Irish). This unit location was behind the kitchen and was potentially where the families would have thrown away broken dishware and other broken objects. Also, the unit was located where everyday activities such as gardening and child play would have taken place. Along these lines, due to observations during the excavation of unit fifteen, it was believed that putting Unit 20 diagonal to Unit 15 would produce more information which could contextualize the Gallagher Homestead. The unit matrix was excavated using a trowel throughout the entire excavation. The soil recovered throughout the excavation was screened through a quarter inch (1/4in) mesh. The soil was described using the 10YR Munsell Color Chart. The soil in this unit was horizontally consistent in color on each level until we neared the end of the excavation. The datum for this unit was in the southeast (SE) corner. Levels 0-6 were excavated on July 11, 2011. Level 7 was excavated on July 12, 2011.

Level 0

The excavation objectives for Level 0 were to record initial elevations, observe the surface of the unit, and prepare the unit for excavation. The beginning elevations (cm) were as follows: SE 10, SW 12, NE 7, NW 6, and Center 6. The unit had many rocks, charcoal, and small plants on the surface. Also, there were bits of glass and rusted metal scraps scattered on the surface of the unit. No artifacts were observed on the surface of the unit. The soil of this level had a dark brown coloration and was damp, but this may be due to the fact that it rained before we arrived on site.

Level 1

The excavation objections for this level were to remove the active humus layer and to check for features and artifacts. The beginning elevations (cm) of Level 1 were as follows: SE 10, SW 6, NE 7, NW 6, and Center 6. Shovels and trowels were used to remove soil. Due to the excavation of unit 15, it was known that the first layer of the unit would be fill. Therefore after screening a sample of the soil recovered we did not save most of the artifacts recovered. The artifacts density was moderate; several nails, glass bottle necks, and shards of ceramic. We only kept a large metal object with a point for future observation. The soil color and texture was homogeneous across the level. The soil had a Munsell number of 10YR 2/2, very dark brown. The texture of the soil was silty dirt. The moisture content was damp but this may be due to the rain. The inclusions in the soil were rocks, roots, coal/charcoal. The depth of this excavation began at 6 and ended at 18. The final elevations (cm) for this level were SE 18, SW 16, NE 16, NW 16, and Center 17.

Level 2

The excavation objections for this level were to level out the soil of the unit and begin the excavation of the anticipated cultural levels. The beginning elevations (cm) of Level 2 were as follows: SE 18, SW 16, NE 16, NW 16, and Center 17. The artifact density of this level increased and was high. The artifacts seemed to be classified primarily as domestic. The artifacts recovered include various ceramic pieces, a piece of blue willow ceramic, iron stone pottery, shards of glass, metal scraps and nails. The soil color and texture was homogeneous across the level. The soil had a Munsell number of 10YR 3/1, very dark gray. The texture of the soil was gritty silt and damp dirt. The moisture content was damp but this may be due to the rain. The inclusions in the soil were rocks and roots. The depth of this excavation began at 16cm and ended at 23cm. The final elevations (cm) for this level were SE 22, SW 22, NE 19, NW 23, and Center 22.5.

Level 3

The excavation objections for this level were to level out the soil of the unit, continue excavation of the matrix, observe soil changes, and obtain artifacts. The beginning elevations (cm) of Level 3 were as follows: SE 22, SW 22, NE 19, NW 23, and Center 22.5. The artifact density of this level was still high. The

artifacts seemed to be classified primarily as domestic. The artifacts recovered included various ceramic pieces, shards of glass, rusted metal scraps and a part of a pipe bowl. The soil color and texture were homogeneous across the level. The soil had a Munsell number of 10YR 3/2, very dark grayish brown. The texture of the soil was gritty silt and sandy dirt. The moisture content was damp but this may be due to the rain. The inclusions in the soil were rocks and roots, but there were now fewer roots on the unit floor. The depth of this excavation began at 19cm and ended at 26cm. The final elevations (cm) for this level were SE 26, SW 25.5, NE 25, NW 25.5, and Center 26.

Level 4

The excavation objections for this level were to level out the soil of the unit, continue excavation of the matrix, observe soil changes, and obtain artifacts. The beginning elevations (cm) of Level 4 were as follows: SE 26, SW 25.5, NE 25, NW 25.5, and Center 26. The artifact density of this level was high. The artifacts seemed to be classified primarily as domestic. The artifacts recovered include plain white ceramic pieces, shards of glass, and some bottle necks. The soil color and texture varied across the level (see graph for unit 20 level 4). Most of the soil was dark brown (section III) but there were patches of dark yellow brown (section I) soil along the west wall. There was also a patch of sand toward the middle of the unit, which was gray. This change in coloration is possibly a result of deteriorating cement and the dark coloration (section II) along the NE wall could be due to a corner of a shed, which may have previously been there. The soil had a Munsell number of 10YR 3/6, dark grayish brown for section I, 10YR 3/2, very dark grayish brown for section II, and 10YR 3/2 very dark grayish brown for section III as well. The texture of the soil was sandy silt. The moisture content was moderately moist. The inclusions in the soil, while now fewer roots, had shifted to large stones. The depth of this excavation began at 25cm and ended at 28cm. The final elevations (cm) for this level were SE 29, SW 28, NE 29, NW 28, and Center 28.

Level 5

The excavation objections for this level were to level out the soil of the unit, continue excavation of the matrix, observe soil changes, and obtain artifacts. The beginning elevations (cm) of Level 5 were as follows: SE 29, SW 28, NE 29, NW 28, and Center 28. The artifact density of this level was decreasing. The artifacts seemed to be classified primarily as domestic. The artifacts recovered include some plain ceramic pieces, shards of glass, iron stone pottery pieces, and a piece of olive glass. There was difficulty with the level and the sides of the unit because charcoal would fall from the top layer of walls. The soil color and texture differed into two slightly distinct patterns. The soil of section I had a Munsell number of 10YR 3/3, dark brown mottled with 10YR 3/4, dark yellowish brown. The soil of section II had a Munsell number of 10YR 3/2, very dark grayish brown. The texture of the soil was gritty sand. The soil was slightly moist. The inclusions in the soil were charcoal from the top layer, rocks and roots, although there were now fewer roots and smaller rocks. The depth of this excavation began at 28cm and ended at 35cm. The final elevations (cm) for this level were SE 35, SW 34.5, NE 35, NW 35, and Center 34.5.

Level 6

The excavation objections for this level were to level out the soil of the unit, continue sampling midden, observe soil changes, and obtain artifacts. The beginning elevations (cm) of level 6 were as follows: SE 35, SW 34.5, NE 35, NW 35, and Center 34.5. The artifact density was very low with fewer objects being discovered. The artifacts seemed to be classified primarily as domestic. The artifacts recovered included a few ceramic pieces, shards of glass, and a small ring type object. The soil color and texture was split into two sections again, but the NE corner was no longer as different in color as the rest of the level soil and the shrinking dark soil was mottled in color. The soil of section I had a Munsell number of 10YR 3/4, dark yellowish brown, and section II had a Munsell number of 10YR 3/3, dark brown. The texture of the soil was sandy silt. The moisture content was slightly dry. The inclusions in the soil were some rocks and roots. The depth of this excavation began at 35cm and ended at 38cm. The final elevations (cm) for this level were SE 38, SW 37.5, NE 38, NW 37.5, and Center 37.

Level 7

The excavation objections for this level were to excavate the level until it was culturally sterile. The beginning elevations (cm) of this level were SE 38, SW 37.5, NE 38, NW 37.5, and Center 37. There were no artifacts recovered in this layer at all. The soil color and texture was homogenous now in the unit and we used a probe to prove that it would continue to be the same color below level surface. The soil had a Munsell number of 10YR 4/6, dark yellowish brown. The texture of the soil was gritty, sandy loam. The moisture content was fairly damp. The inclusions in the soil were some rocks and roots. The depth of this excavation began at 37cm and ended at 41cm. The final elevations (cm) of this unit were SE 41, SW 41, NE 41, NW 41, and Center 41.

Profile of Unit 20

The profile for this unit was taking using the datum placement for the rest of the unit. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings and soil texture were taken for each of the layers.

Unit 20 – East Wall

A profile of the east wall was taken for unit 20 (Figure 8.34). The profile of this unit included 4 major zones of soil. There was an active humus layer on top. The first zone (marked on the profile as Roman numeral I), was also a drying humus layer that was gritty dirt and dry. Zone I had a Munsell reading of 10YR 2/1, black. Zone II was rocky and woody, and was sandy silt. It had a Munsell number of 10YR 2/1, black, and was moist. Zone III was damp sandy silt and had a Munsell number of 10YR 3/1, very dark gray". Finally Zone IV had soil, which was damp silty loam. This zone had a Munsell number of 10 YR 3/6, dark yellowish brown, and was the subsoil.

Unit 20 – South Wall

A profile was also taken of the adjacent south wall for unit 20 (Figure 8.35). The profile of this unit included 3 major zones of soil. There was an active humus layer on top. The first zone was an active humus layer that was dry sandy dirt. Zone I had a Munsell reading of 10YR 2/1, black. Zone II was gritty sand, which was fairly moist. It had a Munsell number of 10YR 2/1, black. Zone III had soil, which was damp sandy loam. This zone had a Munsell number of 10YR 3/3, dark brown, and was the subsurface.

Overall, the unit produced a relatively good amount of artifacts. This could be indicative of how the family used the space around their house. This area was possible used as a garden or play area for the children. Also, because of its proximity to the kitchen, this spot could have been where broken plates and other ceramics were thrown. Finally, due to a shed, which used to be near it, there were objects such as broken window glass and metal scraps found.

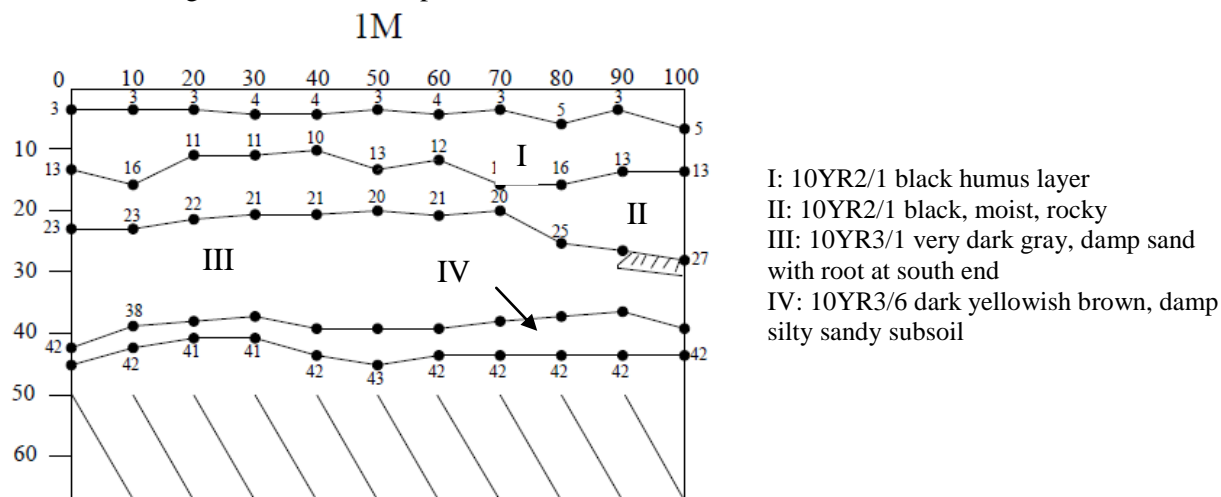


Figure 8.34. Profile of the east wall of Unit 20. Drawn by Ariel Terpstra.

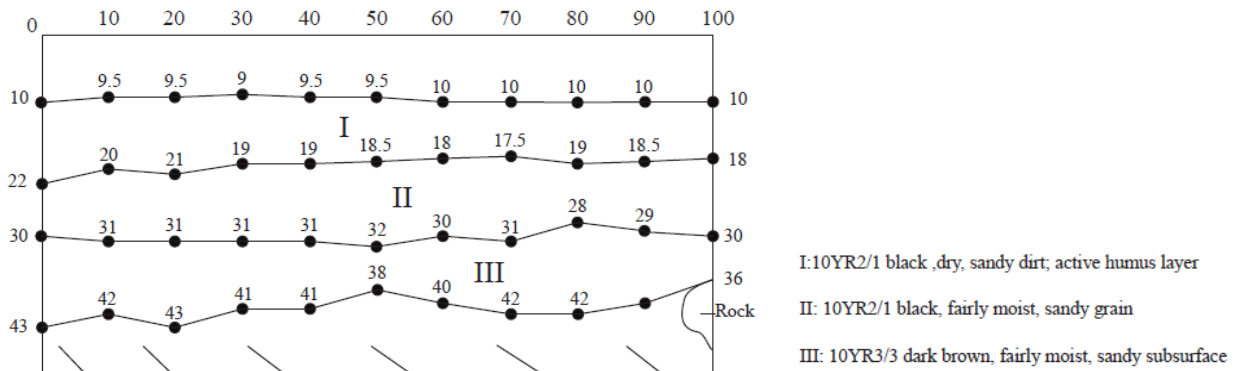


Figure 8.35. Profile of the south wall of Unit 20. Drawn by Ariel Terpstra.

Unit Number: 22

Coordinates: N1 E10

Excavators: Adam Lake, Danielle Rush, Deb Rotman, Kashia Ahern

Dates of Excavation: 12 July, 2011- 13 July, 2011

The unit was chosen because of its proximity to the addition to the house structure. It was thought that the unit would contain a substantial amount of cultural deposits because the residents of the house could possibly have thrown debris around the back area of the house. A later addition of a deck is only a few meters away to the North of the unit, thus some of the material found could result from the deck's construction event. Using a trowel and shovel, we excavated the unit matrix. The soil recovered from the unit during the excavation was screened through a quarter inch (1/4 inch) mesh. The soil was described using the 10YR Munsell Color Chart.

Level 0

The excavation objectives for Level 0 were to observe the grass layer, check for surface features, and prepare the unit for further excavation. The beginning elevations (cm) were as follows: NE 10, SE 10, SW 13, NW 5.5, and Center 6.5. The unit had tall grass that was removed by hand and then walked on for a minute to create a suitable area for excavation. The datum stick was placed in the southeast (SE) corner of the unit. No artifacts were observed on the surface of this unit.

Level 1

The excavation objectives of this level were to clear the active humus layer and observe the beginning of the unit. The beginning elevations (cm) of Level 1 were as follows: NE 10, SE 10, SW 13, NW 5.5, Center 6.5. The active humus layer was removed with a spade and great care was made in ensuring a straight line of one-meter was maintained. The soil was easy to dig through until many pebbles began to appear. The artifact density was quite high; a piece of bone, a single nail, many plastic pieces, and a small piece of newspaper. The soil color was described as 10YR 3/2, very dark grayish brown. The soil texture was sandy loam, with the soil becoming increasingly sandy as the excavation continued. The moisture content was quite low. The inclusions in the soil were a few rocks and many pebbles covering the entire unit square. The final elevations (cm) of this level were NE 15, SE 14, SW 17, NW 14, and Center 14.

Level 2

The excavation objectives of this level were to level the unit to 20-22 cm, and begin the excavation of the anticipated culture levels. The initial elevations (cm) of this level were NE 15, SE 14, SW 17, NW 14, and Center 14. The artifact density decreased from the previous layer; nails and glass were the only things

collected. The artifacts were primarily classified as structural, likely from the construction of the deck or an addition to the house. The Munsell reading for the soil was 10YR 3/2, very dark grayish brown, and the texture was sandy loam with many rocks. The moisture content was low. The inclusions were many ants, light roots and very small, uniform stones. It was hypothesized that the uniform size of the pebbles was not a natural occurrence, and that a pebble path could have been at this location. The culturally important artifacts are likely under the pebbled pathway. The ending elevations (cm) of Level 2 were NE 20, SE 20, SW 20, NW 20, and Center 20.

Level 3

The excavation objective of this level was to level the unit until the pebble pathway was removed. The initial elevations (cm) of this level were NE 20, SE 20, SW 20, NW 20, and Center 20. The artifact density was quite modest because of the presence of the pebble pathway. The texture of the soil was sandy loam, though the soil became sandier at the base of the pebble layer. The artifacts were primarily structural in nature – a homogenous collection of various nails. The Munsell reading for the soil was 10YR 2/2, very dark grayish brown. The moisture content very dry. The inclusions were very light roots and many round pebbles with one large root in the middle of the unit. The ending elevations (cm) of Level 3 were NE 23, SE 23, SW 22.5, NW 23.5, and Center 23.5.

Level 4

The excavation objective of this level was to excavate the unit 2 cm further into the region of culturally interesting artifacts. The initial elevations (cm) of this level were NE 23, SE 23, SW 22.5, NW 23.5, Center 23.5. The artifact density was very light in this level; only a few cut and wire nails and a shard of window glass were found. The artifacts were primarily structural and suggest a past constructional event. The Munsell reading for the soil was uniformly 10YR 3/2, very dark grayish brown, the texture of the soil was loam, and the moisture content was damp. There was lighter root converge than in the previous level. The ending elevations (cm) of Level 4 were NE 25.5, SE 24.5, SW 25.5, NW 25, and Center 25.5.

Level 5

The excavation objective for this level was to continue excavation of the midden for 2 cm. The initial elevations (cm) of Level 5 were as follows NE 25.5, SE 24.5, SW 25.5, NW 25, and Center 25.5. The artifact density increased in this level. The artifacts recovered were structural items, which included many cut nails. The soil was classified as Munsell 10YR 3/2, very dark grayish brown. The texture was still sandy loam and the moisture content was very dry. The pebble density decreased dramatically and a large rock in the SE corner of the site appeared. The ending elevations (cm) of Level 5 were as follows NE 27, SE 26.5, SW 26.5, NW 27, and Center 27.

Level 6

The excavation objectives for this level were to continue excavation another 2cm and to have a uniform level of 29cm. The initial elevations (cm) of Level 6 were as follows NE 27, SE 26.5, SW 26.5, NW 27, and Center 27. The artifact density was modest. A homogenous sample of both cut and wire nails were collected from the unit. The soil was very smooth with very few pebbles found in the soil. The large rock uncovered in the SW corner of the unit the level before remained in this level. The color of the soil was described by 10YR 3/2, very dark grayish brown. The texture was still sandy loam with the moisture content being very dry. Inclusions were one large root in the center of the unit and many rather large rocks spread throughout the unit. The ending elevations (cm) were NE 29, SE 29, SW 29, NW 29, and Center 29.

Level 7

The excavation objective for this level was to continue excavation of the midden for another 2cm. The initial elevations (cm) of Level 7 were NE 29, SE 29, SW 29, NW 29, and Center 29. The only artifacts recovered from this level were a piece of clear window glass and 2 nails, suggesting that the subsoil level was emerging. The soil was classified as Munsell 10YR 3/2, very dark grayish brown for the majority of the unit. The texture was sand and was very dry. A single large root was cut in the NE corner. A large rock was

unable to be extracted from the NE corner. The ending elevations (cm) were NE 32, SE 31.5, SW 31.5, NW 31.5, Center 32.

Level 8

The excavation objectives were to continue excavating the unit 3cm and screen for artifacts. The initial elevations (cm) of Level 8 were NE 32, SE 31.5, SW 31.5, NW 31.5, Center 32. The soil had become larger in particle size as the subsoil was reached. It begins to become more difficult to dig through. A large root was cut out of the S/SW corner of the unit. Many worms and bugs were still present in this level, though fewer smaller roots. The artifact density was very small, with a single cut nail found in this level – suggesting a near end to the unit. The Munsell description of this level was 10YR 3/2, very dark grayish brown, and the soil was very dry, sandy loam. There were a few large stones in the SE corner of the unit. The ending elevations of the unit (cm) were NE 36, SE 36, SW 36, NW 36, and Center 36.

Level 9

The excavation objectives for this level were to conclude the excavation by digging another 5cm and to take a profile of the unit walls. The initial elevations (cm) of Level 9 were NE 36, SE 36, SW 36, NW 36, and Center 36. The large stone in the SE corner was first removed and another large rock emerged in the center of the unit. The large root was still present in the NE area of the unit. The culturally sterile level is reached as no artifacts were obtained from this level. A profile of the South and East Walls was completed. The Munsell reading was 10YR 3/2, very dark grayish brown, the texture was sandy loam, and the soil became quite damp. The final elevations (cm) were NE 41, SE 41, SW 41, NW 41 and Center 41.

Profile of Unit 22

The profile for this unit was taken using the datum placement for the rest of the unit. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings were taken for each of the layers.

Unit 22 – South Wall

A profile of the South wall was taken for Unit 22 (Figure 8.36). The profile of this unit included 3 zones. There was an active humus zone (I) which was Munsell 10YR 3/2, very dark grayish brown. Zone (II) was Munsell 10YR 4/1, dark grey". Zone (III) was described by 10YR 3/1, very dark grey. None of the walls contained any culturally important artifacts.

Unit 22 – East Wall

A profile of the East wall was taken, showing 3 distinct layers of soil (Figure 8.37). Zone (I) was the active humus layer, described as 10YR 3/2, very dark grayish brown. The buried land surface (Zone II) was described as 10YR 4/1, dark grey. The subsoil level was described as 7.5YR 3/1, very dark grey. Nothing of importance was noted in the Eastern Wall.

Overall, Unit 22 produced many artifacts from the 19th and 20th century but very little from the time areas of interest as preliminary evaluations concluded. The high density of construction material suggests a previous construction event and the pebble density suggests a past pebble pathway, which is why few artifacts were found.

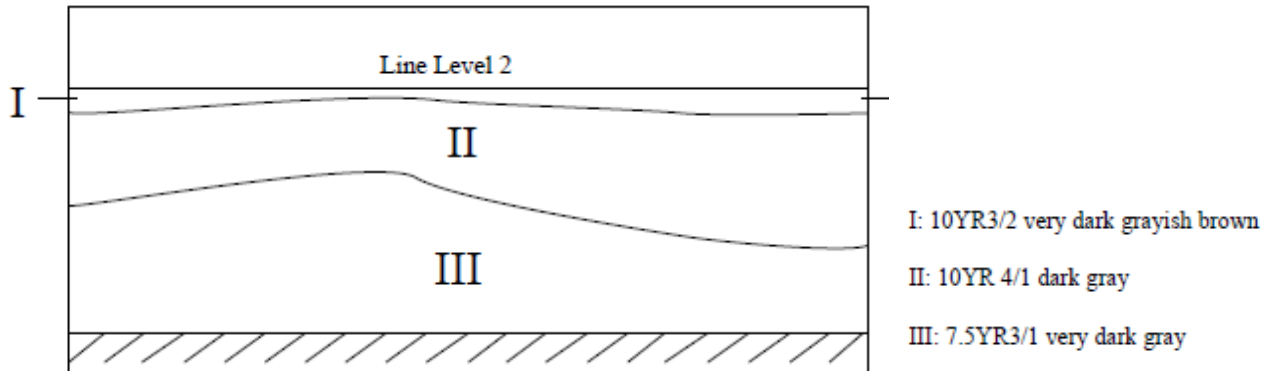


Figure 8.36. Profile of the south wall of Unit 22. Drawn by Ariel Terpstra.

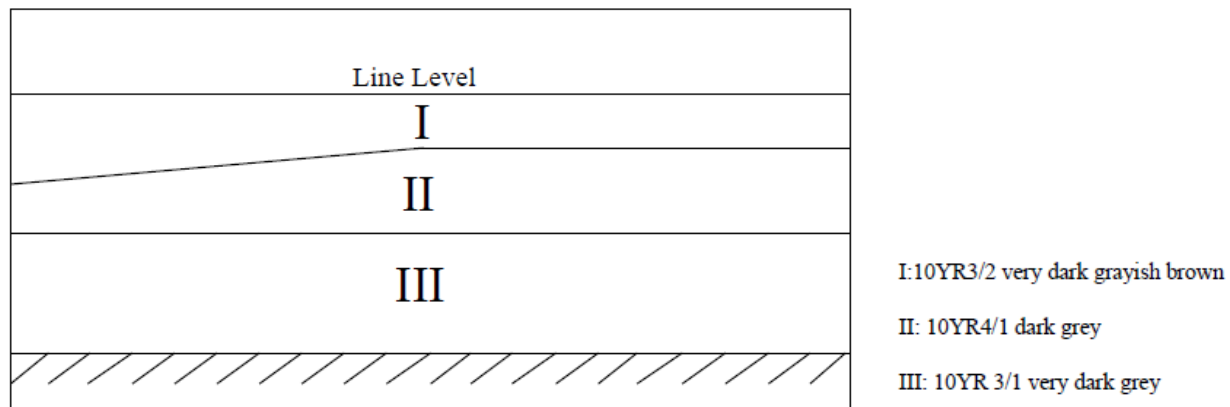


Figure 8.37. Profile of the east wall of Unit 22. Drawn by Ariel Terpstra.

Unit Number: 23

Coordinates: S1 E10

Excavators: Adam Lake, Katelyn Davis, Laura Fernandez, Maria Rodriguez, Danielle Rush, Deb Rotman

Dates of Excavation: 12 July, 2011- 14 July, 2011

This unit location was chosen because of its proximity to the addition on the house structure. It was thought that the unit would contain a substantial amount of cultural deposits because the residents of the house could possibly have thrown debris out around the back area of the house. A later addition of a deck is only a meter away to the west of the unit, thus some of the material found could result from the deck's construction event. A trowel and shovel were used to excavate the unit matrix. The soil recovered from the unit during the excavation was screened through a quarter inch (1/4 inch) mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southeast (SE) corner of the unit.

Level 0

The excavation objectives for Level 0 were to observe the grass layer, check for surface features, and prepare the unit for further excavation. The beginning elevations (cm) were as follows: NE 5, SE 11, SW 6,

NW 4, Center 8. The unit was heavily covered in weeds, pieces of bark, a few rocks, and was a very uneven surface. No artifacts were observed on the surface of this unit.

Level 1

The excavation objectives were to clear the active humus layer and observe the beginning level of the unit. The beginning elevations (cm) of Level 1 were as follows: NE 5, SE 11, SW 6, NW 4, Center 8. The active humus layer was removed with a spade. The dirt was comprised of very small, dry particles and the wind would constantly blow the soil into the excavators' eyes. The artifact density was high; a piece of glass, pieces of ceramic, black roofing, nails, a bottle cap, a small metal washer, plastic pieces, and a small piece of paper with writing. The main unit soil was 10YR 3/2, very dark grayish brown. The soil texture was sandy loam. The moisture context was slightly moist, but not wet. The inclusions in the soil were a small number of pebbles and many thin and thick roots that covered the unit. The final elevations (cm) of this level were NE 9, SE 18, SW 14, NW 16, and Center 14.

Level 2

The excavation objectives of this level were to make the unit more level, excavate about 4 cm, and observe any soil changes. The initial elevations (cm) of this level were NE 9, SE 18, SW 14, NW 16, and Center 14. The artifact density was light; including nails, some pieces of ceramic and window glass. The artifacts were primarily classified as structural and domestic. The Munsell reading for the soil was 10YR 4/2, dark grayish brown, and the texture was sandy, gritty loam. The moisture content was slightly damp. The inclusions were many rocks and still heavily rooted from the weeds of the humus layer. The many pebbles suggest that a previous pebble path was present on the unit's location. The ending elevations (cm) of Level 2 were NE 23, SE 22, SW 21, NW 20, and Center 20.5.

Level 3

The excavation objectives of this level were to take the unit down another 3 cm, and to continue the excavation of cultural artifacts while removing the pebbles from the pathway. The initial elevations (cm) of this level were NE 23, SE 22, SW 21, NW 20, and Center 20.5. The artifact density was light, consisting of various sized pieces of nails and one shard of window glass. The artifacts were primarily structural and architectural in nature. The gravel was water-worn and suggested a consistent pathway was once present. The Munsell reading for the soil was 10YR 4/3, brown. The texture of the soil was gritty loam that was on the sandy side. The moisture content was slightly moist. The inclusions were light roots, pebbles and medium sized rocks. The ending elevations (cm) of Level 3 were NE 22?, SE 24, SW 19, NW 22, and Center 24. Caution, the measurements were a bit off – likely an error in the previous level's measurements.

Level 4

The excavation objectives of this level were to excavate the unit, observe the soil changes, and collect the resulting artifacts. The initial elevations (cm) of this level were NE 22, SE 24, SW 19, NW 22, and Center 24. The artifact density was light in this level; metal nails, a piece of a plastic button, a piece of buttoned leather, and a cut nail. The artifacts were generally architectural. The top of this level has a dense covering of roots, though thin roots. There were less pebbles than in the previous levels. Dense roots continue throughout the entire level, but the soil become easier to extract. The Munsell reading of the soil was 10YR 4/3, brown, and had a gritty texture. There was very little moisture and the inclusions consisted of small pebbles and heavy roots. The final elevations (cm) were NE 24, SE 26, SW 22, NW 24, and Center 26.

Level 5

The excavation objectives of this level were to continue the excavation for 3 cm, observe the changes in the soil coloration and texture, and collect artifacts. The initial elevations (cm) of Level 5 were NE 24, SE 26, SW 22, NW 24, and Center 26. By this level the pebbles were almost all gone though there was still a dense covering of roots over the unit. The artifact density was modest: an assortment of nails, a twisted piece of lead, and a metal part of an axe. Most of the material found was architectural with no domestic pieces

(glass or ceramic) found in this level. The soil was described as 10YR 3/2, very dark grayish brown, and the texture was gritty sand. The soil was very dry and the inclusions were heavy root coverage and some remaining pebbles from the path layer. Ending elevations: NE 28, SE 28, SW 24, NW 26, and Center 28.

Level 6

The excavation objective for this level was to continue excavation and level the unit to 30-32 cm. The initial elevations (cm) of Level 6 were as follows NE 28, SE 29, SW 26, NW 28, Center 28. The excavation at this point was taken over by Adam Lake and Danielle Rush. The soil was difficult to extract because it had a very low moisture content level. There was heavy root coverage over the entire unit and a few rocks, which were taken out of the unit. The artifact density was light; a few nails and a circular metal object were found. It is presumed that there was a past constructional event that took place sometime before the laying of the pebble pathway. The soil was described as 10YR 3/2, very dark grayish brown, and was a sandy loam texture. The ending elevations were as follows NE 31, SE 32, SW 32, NW 31.5, and Center 31.5

Level 7

The excavation objective for this level was to continue excavation of the midden. The initial elevations (cm) of Level 7 were as follows NE 31, SE 32, SW 32, NW 31.5, and Center 31.5. The digging became easier in this level. Very few rocks were present in this layer but the roots were still present. No large rocks remained in this layer either. There was a slight tinge of subsoil at the end of this level. A few nails and a piece of ceramic (white) were found in this level. The soil is described as 10YR3/2, very dark grayish brown, and has a sandy loam texture. The soil is damp but dries quickly. The only inclusion was the presence of a few rocks. It is thought that only a few more levels are necessary to reach a culturally sterile level. The ending elevations (cm) were NE 34, SE 34.5, SW 35, NW 34, and Center 35.

Level 8

The excavation objectives for this level were to continue excavation of the midden while observing the objects, and prepare for the end of the unit. The initial elevations (cm) of Level 8 were as follows NE 34, SE 34.5, SW 35, NW 34, and Center 35. The initial part of the level contained a few nails, but in the end of the level there was a pendant with a rose on it that was found in the NE corner of the unit. Very few rocks remain in this level of the soil and the subsoil was easily visible. The soil was described by 10YR4/2, dark grayish brown, and was sandy loam with grain-like particles of varying size. The soil was very dry and roots still covered some of the unit. A profile of the Southern wall was obtained. The final elevations (cm) of the unit were NE 37, SE 37, SW 37, NW 37, and Center 37.5. This level ended the excavation of the unit.

Profile of Unit 23

The profile for this unit was taken using the datum placement for the rest of the unit (SE corner). Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings were taken for each of the layers.

Unit 23 - South Wall

A profile of the South wall was taken, showing three distinct layers of soil (Figure 8.38). The first zone (marked in the profile as Roman numeral I) was the active humus layer, described by 10YR4/2, dark grayish brown. The buried land surface (Zone II) was described by 10YR3/2, very dark grayish brown. The subsoil level was described as 10YR3/3, dark brown. There were no artifacts of special interest in any of the walls of the unit. Overall, Unit 23 produced little artifacts of importance except for an interesting pendant in the final level of the unit. There was also evidence that a pebble path was placed sometime after a distinct construction event took place.

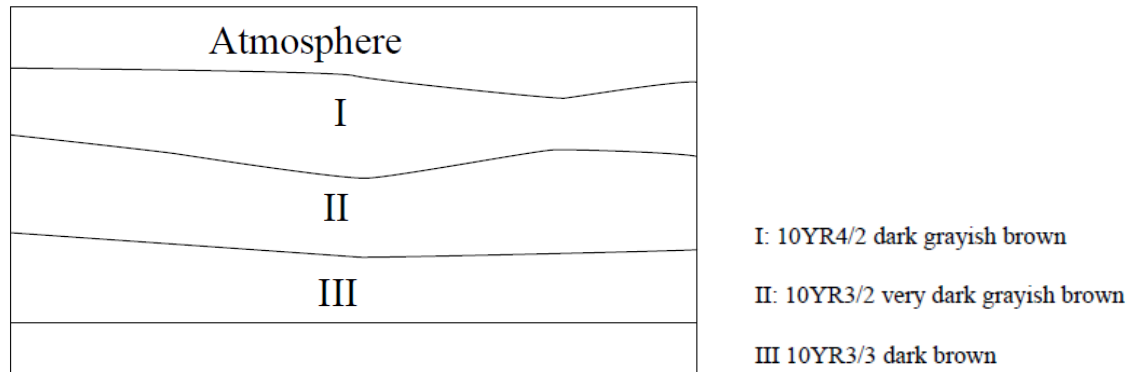


Figure 8.38. Profile of the south wall of Unit 23. Drawn by Ariel Terpstra.

Unit Number: 24

Coordinates: S12 E10

Excavators: Laura Fernandez, Maria Rodriguez, Ariel Terpstra, Kaitlyn Davis

Dates of Excavation: 13 July 2011-14 July 2011

This unit location was chosen because of its proximity to the foundation of the former shed and its location relatively close to the backdoor of the house. This unit was also considered prominent because two adjacent units (15 and 20) yielded a great deal of domestic artifacts. The excavation team thought the unit would have a good amount of cultural deposits because the residents may have taken debris out the backdoor of the house and deposited them near the shed. Excavating near a former structure, such as a shed, would also produce a variety of cultural deposits. The unit matrix was excavated using a trowel throughout the excavation. The soil recovered during the entire excavation was screened through quarter inch (1/4in) mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southeast (SE) corner. Levels 0-3 were excavated on 13 July 2011 and levels 4-11 were excavated on 14 July 2011.

Level 0

The excavation objectives for this level were to observe the beginning of the unit, remove debris and the active humus layer. The beginning elevations (cm) were as follows: NE 4, SE++, SW 6, NW 1, and Center 3. The ground was uneven and sloped upward in the southeast corner. The surface had large stones covering it as well as multiple of charcoal.

Level 1

The excavation objectives for this level were to remove the active humus layer whose depth was known due to previous excavations of adjacent unit 15 and 20. The beginning elevations (cm) were as follows: NE 4, SE++, SW 6, NW 1, and Center 3. The soil contained many roots, unused charcoal, a lot of coal, deteriorated floorboards of orange-tinged wood, and a possible support beam feature from the shed. The wood feature of the shed appeared to be an outside wall of the former shed and it was 15 cm below the surface level. The possible vertical wall was alongside the south wall of the unit. The ground continued to slope upward toward the southeast corner. There were no artifacts collected from level 1 because the debris were very recent. The soil 10YR 3/2, very dark grayish brown and was a damp, sandy loam. The inclusions were numerous rocks, large roots, charcoal, and wooden planks. The ending elevations (cm) were as follows: NE 18, SE 16.5, SW 13, NW 12, and Center 11.5. The depth of elevation for this level ended at 18 cm.

Level 2

The excavation objectives for this level were to remove the sandy layer as predetermined by prior excavations of units 15 and 20. The beginning elevations (cm) were as follows: NE 18, SE 16.5, SW 13, NW

12, and Center 11.5. The soil began to change in coloration and become mottled. It contained many large rocks and some deteriorated cement, possibly from the foundation of the shed. There was an increase in glass and seeds, but the seeds fell through the mesh screen. The artifacts included many glass pieces, a ceramic sherd decorated with brown leaves, large metal bolts, metal nails, pieces of blue willow fragments, brown bottle pieces, and many window shards. A patch of sand was encountered along the north wall and was possible fill from the previous shack. This corresponds to the sand fill that was found in unit 15. The sand region was 10YR4/3, brown. The rest of the soil had a Munsell number corresponding to very dark brown and was silty, gritty dirt. The inclusions were rocks and roots, especially along the east and south walls. The ending elevations (cm) were as follows: NE 21, SE 20, SW 25, NW 22.5, and Center 24. The depth of excavation for this level began at 11.5 cm and ended at 25 cm.

Level 3

The excavation objectives for this level were to take the unit another 2 cm down and uncover more artifacts. The beginning elevations (cm) were as follows: NE 21, SE 20, SW 25, NW 22.5, and Center 24. The artifacts found included many window glass pieces, a ceramic sherd that could be part of a teapot, nails, metal, and amber glass shards. The artifact density was moderately high, signifying the start of the midden layer. The soil was homogenous throughout. The soil was moist, gritty loam and was 10YR 2/2, very dark brown. The inclusions were rocks and roots. The rocks were larger and fewer than before, and the roots significantly decreased. The ending elevations (cm) were as follows: NE 23, SE 25, SW 28, NW 25, and Center 26. The depth of excavation for this level began at 20 cm and ended at 28 cm.

Level 4

The excavation objectives for this level were to go down another 2 cm, observe any soil changes, and note any artifacts uncovered. The beginning elevations (cm) were as follows: NE 29, SE 26.5, SW 24, NW 25, and Center 28. These elevations differed from the ending elevations of level 3 because these measurements were taken on a different day and the soil may have shifted overnight. Some of the charcoal from the top level had fallen into the unit overnight, and the north wall had green tree buds in it that had fallen. The artifacts were moderately dense, primarily domestic, and featured many pieces of tin cans, a fruit jar bottom, ceramics (including one with brown transfer print and one with a blue design), medicine bottle pieces, and hardware. The metal hardware (including a file) could be from the shed and the domestic artifacts could be due to the midden layer. There were still two metal pieces sticking out of the ground. The majority of soil was damp, gritty, a 10 YR 3/2, very dark grayish brown. The NE corner still contained fill sand with a number of 10YR 4/4, dark yellowish brown. The inclusions were rocks and pebbles, and the soil was somewhat mottled. The ending elevations (cm) were as follows: NE 30, SE 28.5, SW 28, NW 28.5, Center 29. The depth of excavation for this level began at 24 cm and ended at 30 cm.

Level 5

The excavation objectives for this level were to excavate 2 cm, observe soil changes, and obtain any artifacts. The beginning elevations (cm) were as follows: NE 30, SE 28.5, SW 28, NW 28.5, and Center 29. The artifact density remained high and there were lots of brick flecks/kibble. Only a sample of this brick was collected. There was a large metal object protruding near the NE wall. Pieces of ceramic, both plain and brown-printed, a large crock, pieces of blue willow, pieces of a lamp chimney, and metal scraps were recovered. The soil was 10YR 4/4, dark yellowish brown, and was grainy, slightly moist sand in the NE corner. The majority of the soil was 10YR 2/2, very dark brown and was mostly gritty. The inclusions were small rocks, green buds from the tree, and a few roots. The ending elevations for this level (cm) were as follows: NE 31.5, SE 31.5, SW 30, NW 30.5, and Center 31.5. The depth of excavation for this level began at 28 cm and ended at 31.5 cm.

Level 6

The excavation objectives for this level were to continue excavating the midden, observe soil change, and obtain any artifacts. The beginning elevations (cm) were as follows: NE 31.5, SE 31.5, SW 30,

NW 30.5, Center 31.5. The artifact density had dropped significantly. There were many pieces of metal and bits of lamp chimney, but only a few ceramic fragments. Many of the flat metal rusted bits were observed but not collected. They were likely bits of metal cans, but it is unclear whether they were food containers or something else. Fossils started to turn up on the southwest side. There were a few glass shards, a button-like object, and some small ceramic sherds. The soil started to become lighter in the southwest section of the level. The soil was 10YR 3/2, very dark grayish brown and was moist, gritty, and less sandy in some places. Elsewhere it was slightly moist, silty loam described as 10YR3/4, dark yellowish brown. The ending elevations (cm) for this level were as follows: NE 34.5 cm, SE 34 cm, SW 32.5 cm, NW 33 cm, and Center 34 cm. The depth of excavation for this level began at 30 cm and ended at 34.5 cm.

Level 7

The excavation objectives for this level were to continue excavating the midden, observe soil changes, and obtain artifacts. The beginning elevations (cm) were as follows: NE 34.5, SE 34, SW 32.5, NW 33, and Center 34. The artifact density had decreased drastically because only a few shards of glass were recovered. The soil had a Munsell number of 10YR 3/2, very dark grayish brown in the northeast corner and 10YR 4/4, dark yellowish brown in the southwest corner. The soil was mottled with darker patches in the northeast corner and mottled with lighter patches in the southwest corner. The ending elevations (cm) were as follows: NE 37, SE 39, SW 36, NW 38, and Center 37. The depth of excavation for this level began at 32.5 cm and ended at 39 cm.

Level 8

The excavation objectives for this level were to continue to excavate, note soil changes, and obtain any artifacts. The beginning elevations (cm) were as follows: NE 37, SE 39, SW 36, NW 38, and Center 37. There were no artifacts recovered from this level. There were more fossils appearing on the west side of the unit, and the rocks were more clay-like. The soil was 10YR 3/4, dark yellowish brown in the southwest corner mottled with 10YR 3/2, very dark grayish brown. The soil was becoming lighter on the west side of the unit. The inclusions were roots and rocks, although the amount of roots was decreasing. The ending elevations (cm) were as follows: NE 40, SE 40.5, SW 39, NW 40, and Center 40. The depth of excavation for this level began at 36 cm and ended at 40.5 cm.

Level 9

The excavation objectives for this level were to excavate 3cm, note soil changes, and note any artifacts. The beginning elevations (cm) were as follows: NE 40, SE 40.5, SW 39, NW 40, and Center 40. The artifact density was extremely low, with only 1 small glass shard and 1 small, plain, white ceramic sherd being recovered. The west and south wall reached yellowish, clay-like soil, 10YR 3/4, dark yellowish brown in the southwest and 10YR 3/2, very dark grayish brown in the northeast. The soil was moist, grainy, and somewhat sandy, and the yellowish part was more clay-like, indicating that subsoil was reached. The inclusions were a few large rocks. The ending elevations (cm) were as follows: NE 43, SE 43, SW 42, NW 43, and Center 43. The depth of excavation for this level began at 39 cm and ended at 43 cm.

Level 10

The excavation objectives for this level were to excavate 3 cm, note soil changes, and note any artifacts. The beginning elevations (cm) were as follows: NE 43, SE 43, SW 42, NW 43, and Center 43. No artifacts were recovered from this level. The ground turned more yellow and clay-like with the exception of the northwest corner, which indicated that the soil was becoming culturally sterile and subsoil was being reached. The soil was 10YR 2/1, black in the NE corner, and 10YR 4/6, dark yellowish brown in the west and south. The soil was moist, grainy, and clay-like. The inclusions were a few roots and large rocks. The ending elevations (cm) were as follows: NE 46, SE 46, SW 46, NW 46, and Center 45.5. The depth of excavation for this level began at 42 cm and ended at 46 cm.

Level 11

The excavation objectives for this level were to excavate 3 cm, note soil changes, and finish the unit. The beginning elevations (cm) were as follows: NE 46, SE 46, SW 46, NW 46, and Center 45.5. One clear glass shard and one green glass shard were recovered from the center of the unit. By the time the level was finished, subsoil was reached in the south, west, and extreme northeast of the unit. A very thin layer of brown soil remained in the northeast side and in the northeast side of the center. The soil was moist, clay-like, and grainy. The majority of the unit was 10YR 3/4, dark yellowish brown and contained subsoil. The area in the northeast and part of the center was 10YR 3/2, very dark grayish brown. The inclusions were fossils and clay-like rocks. The final elevations for the level (in cm) were as follows: NE 48, SE 48, SW 47, NW 49, and Center 49. The depth of excavation for this level began at 45.5 cm and ended at 49 cm.

Profiles of Units 15, 20, and 24

Units 20 and 24 – South Wall

A profile of the south wall was taken for Units 20 and 24 (Figure 8.39). It contained four major zones. The first zone (marked in the profile with a Roman numeral I) was a very dry, gritty dirt charcoal layer of 10YR 2/1, black. The second zone (II) was a very moist, sandy silt layer with small pebbles determined to be 10YR 3/2, very dark grayish brown. The third zone (III) was moist, sandy loam of 10YR 3/3, dark brown. The fourth zone (IV) was moist clay mixed with sandy loam determined to be 10YR 3/4, dark yellowish brown.

Unit 15 and 24 – East Wall

A profile of the east wall was taken for units 15 and 24 (Figure 8.40). It contained four larger zones (I, V, VI, and VIII) and four smaller zones (II, III, IV, and VII). The first zone (marked with a Roman numeral I) was dry silty charcoal of 10YR 2/2, very dark brown. It extended across units 15 and 24. The second zone (II) was moist dirt determined to be 10YR 3/2, very dark grayish brown. This zone only extended about 45 cm along the east wall of unit 15. The third zone (III) was dry and sandy soil of 10YR 5/1, gray. This zone ran a little bit under zone II and extended for about 20 cm in unit 15 after zone II ended. The fourth zone (IV) was moist, sandy clay determined to be 10YR 3/2, very dark grayish brown. It ran under zones II and III in unit 15. The fifth zone (V) was moist, powdery dirt with the color of 10YR 2/1, black. This zone comprised the majority of the east wall of units 15 and 24. The sixth zone (VI) was dry sand concluded to be 10YR 3/1, very dark gray. This zone comprised a large portion of unit 24. The seventh zone (VII) was a dry, sandy loam layer of 10YR 4/4, dark yellowish brown. It comprised a small portion of unit 24 and is in the shape of a rodent burrow. The eighth zone (VIII) was moist clay established to be 10YR 3/6, dark yellowish brown. This zone extended along the bottom of units 15 and 24.

Overall, the unit produced many artifacts with a degree of variety. This included many architectural materials, which would be expected where a shed once stood. Glass and ceramic were also abundant, which could be due to the fact that the unit was relatively near the back door of the house, so broken dishes and glass could have been thrown out there creating a midden.

Unit Number: 26

Coordinates: N3 W4

Excavators: Ariel Terpstra, CP, Elk Rapids Middle School Students

Dates of Excavation: 18 July, 2011- 19 July, 2011

The unit location was chosen in order to create a random sample size of the site. The unit matrix was excavated using a shovel to remove the grass and then a trowel throughout the rest. The soil recovered from the unit during the entire excavation was screened through a quarter inch (1/4 inch) mesh. The soil was described using the 10YR Munsell Color Chart. The datum for this unit was in the southeast (SE) corner.

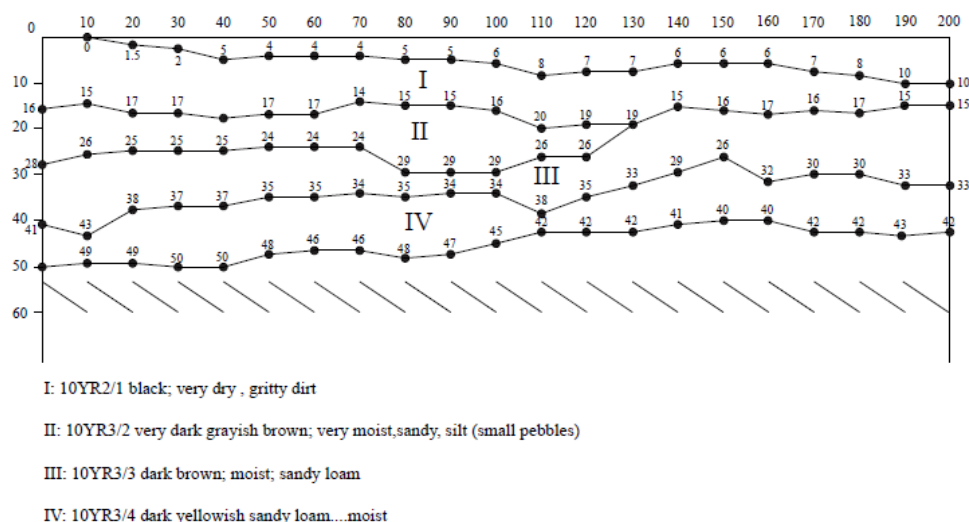


Figure 8.39. Profile of the south wall of Units 20 and 24. Drawn by Ariel Terpstra.

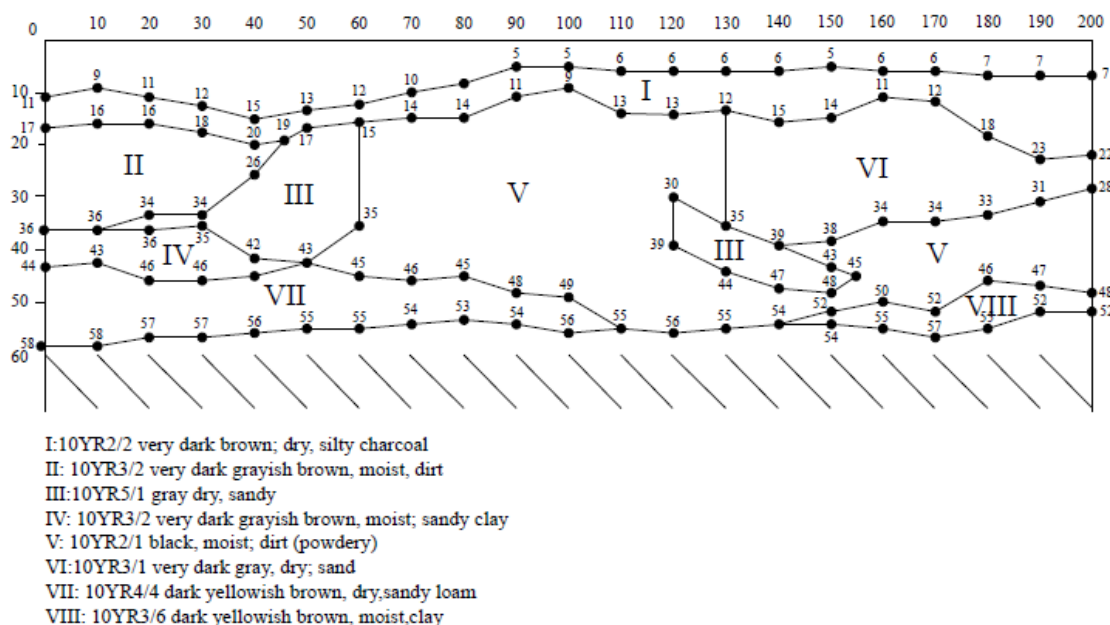


Figure 8.40. Profile of the east wall of Units 15 and 24. Drawn by Ariel Terpstra.

Level 0

The excavation objectives for Level 0 were to observe the grass layer, check for any surface features, take initial measurements, and prepare the unit for further excavation. The unit was covered in many tall weeds and it was located in the front of the house. The tall grass was walked upon to reveal a relatively flat land surface. No artifacts were found on this initial level. The initial measurements (cm) of Level 0 were NE 8, SE 10, SW 12, NW 9, and Center 12.

Level 1

The excavation objectives were to remove the active humus layer, observe any soil changes, and acquire any artifacts. The beginning elevations (cm) of Level 1 were as follows: NE 8, SE 10, SW 12, NW 9, Center 12. A spade was used to remove the grass layer. Some pieces of paper were found, along with a few nails and some ceramics. Some loose grass and rocks remained at the end of the level. The soil was described as 10YR 3/2, very dark grayish brown, and was a grainy sand texture. The soil was slightly damp

– it rained earlier in the morning – and thin roots covered the unit. As typical of the initial levels, the artifacts found were mainly from the 20th century. The final elevations (cm) of the level were NE 19, SE 16, SW 21, NW 21, and Center 14.

Level 2

The excavation objectives of this level were to make the unit more level, observe soil changes, and excavate any cultural material. The initial elevations (cm) of this level were NE 19, SE 16, SW 21, NW 21, and Center 14. The artifact density was very minimal; with just a few nails found. The Munsell reading for the soil was 10YR 3/2, very dark grayish brown, and the texture was sandy loam. The moisture content was slightly damp. The inclusions were many pebbles and a decrease in the amount of root coverage from the previous level. The ending elevations (cm) of Level 2 were NE 21, SE 21.5, SW 23, NW 25, and Center 21.

Level 3

The excavation objectives of this level were to continue to excavate the midden, observe any soil changes, and to attempt to level the unit. The initial elevations (cm) of this level were NE 21, SE 21.5, SW 23, NW 25, and Center 21. The excavation continued using a trowel. The soil became much lighter the further beneath the humus layer was dug. There were still many light roots, pebbles, and a lot of ants in the unit. No artifacts were collected from this level. The soil was described as 10YR 3/4, dark yellowish brown, and had a silt and sand texture. The soil was rather damp but dried quickly and there were many ants along the Southern quadrant of the unit. The small artifact density in this location is likely going to stay this way. The final elevations (cm) of the level were NE 25, SE 25, SW 25, NW 25, and Center 25.

Level 4

The excavation objectives of this level were to excavate the unit 3cm, observe the soil changes, and collect the resulting artifacts. The initial elevations (cm) of this level were NE 25, SE 25, SW 25, NW 25, and Center 25. The artifact density was very light in this level; only one nail was found. The top of this level had a dense covering of thin roots. There are fewer pebbles in this level than in the previous levels. The North and South wall regions have a sandy area emerging. The Munsell reading of the soil was 10YR 3/4, dark yellowish brown, and had a sandy texture. The soil was very damp because it rained during the middle of this level's excavation. The inclusions were roots, ants, and modest sized rocks. The final elevations (cm) of Level 4 were NE 25, SE 25, SW 25, NW 25, and Center 29.5.

Level 5

The excavation objectives of this level were to continue the excavation for 3 cm, observe the changes in the soil coloration and texture, and collect any artifacts that should surface. The initial elevations (cm) of Level 5 were NE 25, SE 25, SW 25, NW 25, Center 29.5. Help from 3 Elk Rapids Middle School students was used in this level. The unit was very rocky and sandy. Some very large rocks were removed from this level. No artifacts were recovered from this level. The soil was described as 10YR 4/4, dark yellowish brown, and the texture was sandy grain. The soil was slightly damp, perhaps because of the rain, and there were many small pebbles in the unit. Ending elevations were NE 31, SE 31, SW 31, NW 31, and Center 31.

Level 6

The excavation objectives of this level was to continue the excavation for 3 cm, observe the changes in the soil coloration and texture, and collect artifacts. The initial elevations (cm) of Level 6 were NE 31, SE 31, SW 31, NW 31, and Center 31. Many wood chips were seen but not collected. There were some grey spots in the soil, and some darker yellowish sand spots. There was a large rock in the center of the unit, as well as many other rocks in this level, but no culturally significant artifacts other than 2 pieces of possible chinking or limestone. The soil was described as 10YR 3/4, dark yellowish brown, and had a sandy, grain texture. Some of the unit was damp while other sections were dry. The unit at this point is resulting in very little culturally important material. The final elevations (cm): NE 34, SE 34, SW 34, NW 34, and Center 34.

Level 7

The excavation objective for this level was to continue excavation of the midden by 3cm. The initial elevations (cm) of Level 7 were NE 34, SE 34, SW 34, NW 34, and Center 34. During the middle of the level there was a break for lunch. There was an immediate soil color change in this unit. There were fewer pebbles and the soil was more gray in composition. Only a piece of charcoal was collected and thus we bagged all the artifacts as a single cultural episode even though there was more matrix at the interface of the midden layers. The soil was described as 10YR 5/2, grayish brown, and had a loamy texture. The soil was dry and a few pebbles were found. Final elevations (cm): NE 38, SE 37, SW 37, NW 37, and Center 37.

Level 8

The excavation objectives for this level were to remove an additional 3 cm of soil, observe any soil changes, and collect significant cultural artifacts. The initial elevations (cm) of Level 8 were NE 38, SE 37, SW 37, NW 37, and Center 37. This level was a low-density midden. Only one fragment of glass one found, though a likely prehistoric pottery shard was collected. The level was taken down and cleaned up after the Middle School students left the site. The Munsell reading was 10YR 3/2, very dark grayish brown, with a section of 7.5YR4/4, brown. The texture was very sandy and the soil was quite dry even despite the rain. There were no notable inclusions. The final elevations (cm): NE 40, SE 40, SW 40, NW 40, and Center 40.

Level 9

The excavation objectives for this level were to remove an additional 3 cm of soil, observe any soil changes, and collect significant cultural artifacts. The initial elevations (cm) of Level 9 were NE 40, SE 40, SW 40, NW 40, and Center 40. This level was likely a continuation of the previous level's midden composition. There were no artifacts collected in this level of the unit. The Munsell reading was 10YR 3/4, dark yellowish brown, with a section of 7.5YR 4/4, brown. The texture was sandy loam, the moisture context was dry and there were no notable inclusions. The final elevations (cm) were NE 43, SE 43, SW 43, NW 44, and Center 43.

Level 10

The excavation objectives for this level were to remove an additional 3 cm of soil, observe any soil changes, and collect significant cultural artifacts. The initial elevations (cm) of Level 10 were NE 43, SE 43, SW 43, NW 44, and Center 43. The artifact density remained low in this level, as only a few bits of charcoal and one piece of burned bone (43-46cm) was collected. The soil color and texture remained consistent with the previous levels. The first 3 cm of soil revealed no artifacts so another 3 cm were taken out, which resulted in no artifacts. The level was terminated at the junction of the midden level and the subsoil. The soil was described as 10YR 4/4, dark yellowish brown, had a sandy loam texture, low moisture content, and had no inclusions of significance. The final elevations (cm) of this level were NE 53, SE 51, SW 51, NW 53, and Center 51.

Level 11

The excavation objective of this level was to confirm that the culturally sterile subsoil had been reached. The initial elevations (cm) of Level 11 were NE 49, SE 49, SW 49, NW 52, and Center 49. No artifacts were found and the culturally sterile level was reached; the unit has been completed. The soil was described as 10YR 4/4, dark yellowish brown, it had a very sandy texture, was very dry, and there were many rocky inclusions. The final elevations (cm) were NE 53, SE 51, SW 51, NW 53, and Center 51.

Profile of Unit 26

The profile for this unit was taken using the datum placement for the rest of the unit. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings and soil texture were taken for each of the layers.

Unit 26 - South Wall

A profile of the south wall was completed for Unit 26 showing four distinct soil layers (Figure 8.41). Level (I) was the active humus layer, described as 10YR 3/1, very dark grey and was loamy sand. Level (II) was a fill layer described as 10YR 6/2, light brown grey and was gravely sand. Level (III) was a buried land surface described as 10YR 5/1, grey and was a light sandy loam. The final level, Level (IV), was the subsoil level described as 7.5YR 5/4, brown and of a sandy composition. Overall, this unit revealed very few artifacts of any cultural significance, which was to be expected because of the unit's location in the front yard of the house where artifacts would not likely have been lost or thrown away.

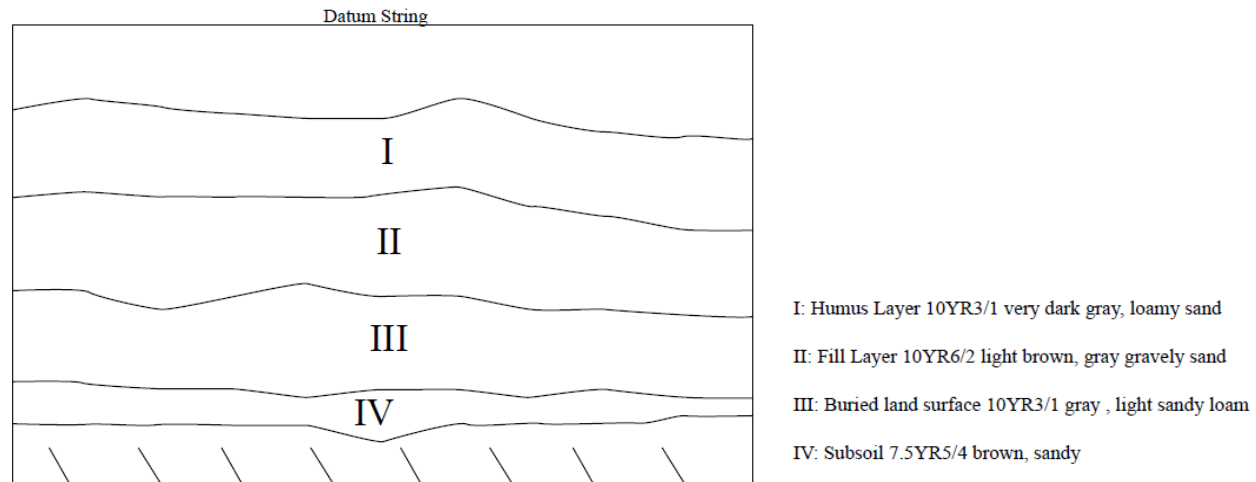


Figure 8.41. Profile of the south wall of Unit 26. Drawn by Ariel Terpstra.

Unit Number: 27

Coordinates: N1 E 14

Excavators: Laura Fernandez, Kaitlyn Davis

Dates of Excavation: 18 July 2011-21 July 2011

This unit location was chosen because of its proximity to the backdoor of the house and because adjacent units the previous year contained a midden layer with cultural deposits. The residents may have taken objects out of the backdoor to be disposed of. The addition to the back of the house would also contribute to architectural artifacts near this unit. The unit matrix was excavated using a trowel after the sod layer was removed with a shovel. The soil recovered during the entire excavation was screened through quarter inch (1/4in) mesh. The soil was described using the 10YR Munsell Color Chart. The datum for the unit was in the southeast (SE) corner. Levels 0-2 were excavated on 18 July 2011, levels 3-6 were excavated on 19 July 2011, and level 7 was excavated on 21 July 2011.

Level 0

The excavation objectives for this level were to observe the beginning surface of the unit and clear away weeds and grass. The unit was overgrown with weeds and leftover debris from previous excavations. The terrain was uneven and sloped upward from east to west. The beginning elevations (cm) were as follows: NE 9, SE 8, SW 6, NW 4, and Center 5.

Level 1

The excavation objective for this level was to remove the sod layer and observe the soil composition. The beginning elevations (cm) were as follows: NE 9, SE 8, SW 6, NW 4, and Center 5. The unit contained lots of grass and sod, but not much gravel. A snail shell and many ants were uncovered. There were a few recent artifacts, including a white piece of plastic, wire, aluminum foil, and clear plastic. The soil had a

Munsell number of 10YR3/2, very dark grayish brown, and was dry, soft, semi-sandy, fine silt. The inclusions were grass, roots, small pebbles, and ants. The ending elevations (cm) were as follows: NE 11, SE 17, SW 6, NW 8, and Center 8.5. The depth of excavation for this level began at 4 cm, and ended at 11 cm.

Level 2

The excavation objectives for this level were to level out the unit, remove the active humus layer, observe soil composition, and note any artifacts. The beginning elevations (cm) were as follows: NE 11, SE 17, SW 6, NW 8, and Center 8.5. The artifact density was low, with only a 20th century beer can, a piece of glass, and a few ceramic and metal pieces being recovered. The soil had a Munsell number of 10YR3/3, dark brown, and was sandy silt that was damp due to the rain. The inclusions were numerous roots and small pebbles. The ending elevations (cm) were as follows: NE 16.5, SE 17, SW 16, NW 16.5, and Center 16. The depth of excavation for this level began at 6 cm and ended at 17 cm.

Level 3

The excavation objectives for this level were to excavate 3 centimeters, note soil changes, and note artifacts that may appear in the midden deposit. The beginning elevations (cm) were as follows: NE 16.5, SE 17, SW 16, NW 16.5, and Center 16. The artifact density remained low, with only a few architectural objects (metal pieces, siding, and shingle) being recovered. The soil had a Munsell number of 10YR3/4, dark yellowish brown, and was fairly dry and sandy. The inclusions were insects, small rocks, roots, and a large rock in the SW corner. The soil was lighter than the previous level, and the NW corner was more clay-like in color. The ending elevations (cm) were as follows: NE 19, SE 19, SW 18.5, NW 19, and Center 19. The depth of excavation for this level began at 16 cm and ended at 19 cm.

Level 4

The excavation objectives for this level were to excavate 3 centimeters, observe soil changes, and note any artifacts. The beginning elevations (cm) were as follows: NE 19, SE 19, SW 18.5, NW 19, and Center 19. The artifact density continued to be low, with only nails, shards of metal, and ribbed-edge pieces of material being recovered. The soil had a Munsell number of 10YR4/3, brown, and was dry, sandy, and grainy. The inclusions were large rocks (especially in the SW corner), roots, and pebbles. The ending elevations (cm) for this level were as follows: NE 22, SE 22, SW 22, NW 21.5, and Center 21.5. The depth of excavation for this level began at 18.5 cm and ended at 22 cm.

Level 5

The excavation objectives for this level were to excavate 3 centimeters, observe soil changes, and note any artifacts. The beginning elevations (cm) for this level were as follows: NE 22, SE 22, SW 22, NW 21.5, and Center 22. The artifacts continued to be architectural and few in number, with nails and metal fragments being recovered. There was an amber glass bottle protruding from the NE corner. This bottle was surrounded by metal flat pieces, which could have been part of a container for the bottle. The soil had a Munsell number of 10YR4/2, dark grayish brown in the center and SE, and 10YR3/6, dark yellowish brown along the west wall. The soil was dry, grainy sand. The soil on the east side was darker than the soil on the west side, and the west side was more clay-like, indicating that subsoil was close to being reached. Soil in the SE corner is grayish, soil in the NE is darker, and soil in the NW is mottled in color. Large rocks in the SW corner, roots, and small rocks are still present. The ending elevations (cm) were as follows: NE 26, SE 25, SW 24.5, NW 24.5, and Center 25. The depth of excavation began at 21.5 cm and ended at 26 cm.

Level 6

The excavation objectives for this level were to excavate 3 centimeters, observe soil changes, and note any artifacts. The beginning elevations (cm) for this level were as follows: NE 26, SE 25, SW 24.5, NW 24.5, and Center 25. Nails and metal fragments were collected in addition to the amber glass bottle in the NE corner. A wrench head was protruding from the NE corner wall, but was not removed. The soil had a Munsell number of 10 YR4/4, dark yellowish brown, and was moist sandy, clay-like loam. The inclusions were large rocks (mainly in the SW corner) and many roots. The subsoil was evident. The ending elevations

(cm) were as follows: NE 29.5, SE 29, SW 29.5, NW 29.5, and Center 29. The depth of excavation for this level began at 24.5 cm and ended at 29.5 cm.

Level 7

The excavation objectives for this level were to excavate 3 centimeters in the NE corner in a 10cm x 10cm area because that is the only place where subsoil has not yet been reached. The beginning elevations (cm) for this level were as follows: NE 29.5, SE 29, SW 29.5, NW 29.5, and Center 29. No artifacts were recovered in this level. The wrench head was exposed in the NE corner, but the handle was too far in the wall to remove. The soil had a Munsell number of 10 YR4/4, dark yellowish brown and was fairly moist, grainy, and sandy. The inclusions were rocks and roots. The ending elevations (cm) were as follows: NE 33, SE 29, SW 29.5, NW 29.5, and Center 29. The depth of excavation for this level began at 29.5 cm and ended at 33 cm. This level ended the excavation of this unit.

Profile of Unit 27

The profile for this unit was taken using the datum placement (SE) for the rest of the unit. Horizontal measurements were taken using a carpenter's ruler for the depth above the soil unit and each subsequent beneath that until the excavated depth was reached. These measurements were then plotted and documented on graph paper. Munsell readings and soil texture were taken for each of the layers.

Unit 27 - North Wall

A profile of the north wall was taken for Unit 27. It contained three major zones. The first zone (marked in the profile with a Roman numeral I) was a dry, grainy dirt layer with a Munsell 10YR reading of 2/1, black. The second zone (II) was a dry, sandy, heavily-rooted layer with a Munsell 10YR reading of 3/2, very dark grayish brown. The third zone (III) was a damp, grainy mixture of clay and sand with a Munsell 10YR reading of 3/3, dark brown.

Unit 27 – West Wall

A profile of the west wall was taken for Unit 27 (Figure 8.42). It contained four major zones. The first zone (marked in the profile with a Roman numeral I) was dry and grainy with a Munsell 10YR reading of 3/1, very dark gray. The second zone (II) was a dry, grainy layer with many roots and a Munsell 10YR reading of 3/2, very dark grayish brown. The third zone (III) was a dry, sandy layer with a Munsell 10YR reading of 4/2, dark grayish brown. The fourth zone (IV) was a dry, sandy layer with a Munsell 10YR reading of 4/4, dark yellowish brown. Overall, the unit produced few artifacts, almost all of which were architectural. These artifacts likely came from the construction of the addition on the back of the house.

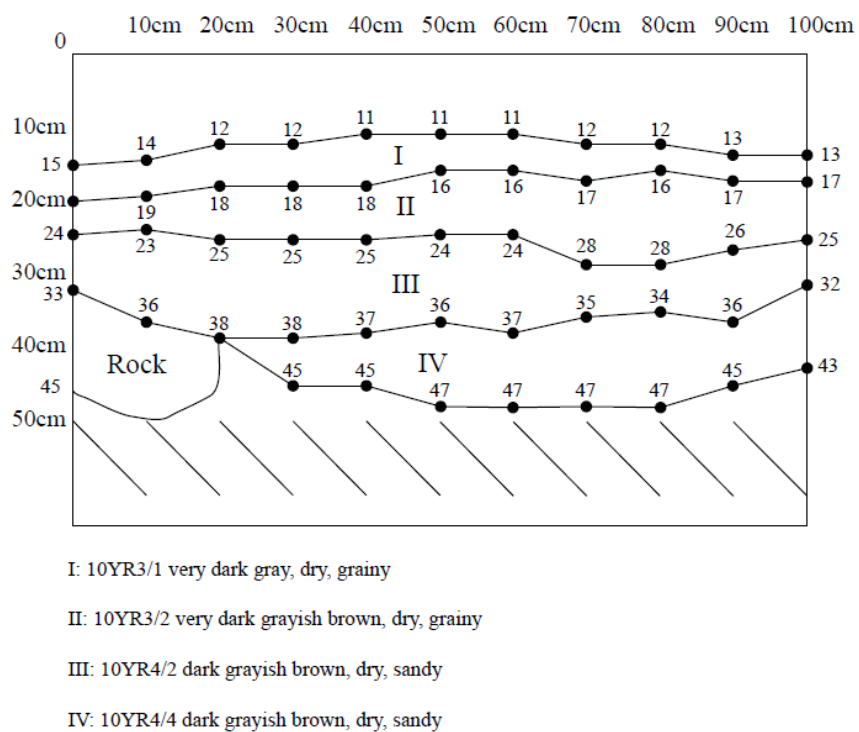


Figure 8.42. Profile of the south wall of Unit 27. Drawn by Ariel Terpstra.