STAGE IB ARCHAEOLOGICAL INVESTIGATION OF THE STATEN ISLAND SOUTH SHORE Y.M.C.A. PROJECT AREA, BOROUGH OF RICHMOND, NEW YORK

By:

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Y.M.C.A. of Greater New York
333 Seventh Avenue
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I. INTRODUCTION

A. Background

In July 1994 a report was submitted to Rampulla Associates, Architects presenting the results of a Stage Ia archaeological investigation of the proposed Staten Island South Shore Y.M.C.A. project area (CEQR No. 94-BSA-052R; Boesch 1994), located at 3939 Richmond Avenue in the Borough of Richmond, New York (see Figure 1). The report concluded that the property was sensitive for the possible presence of Native American and Historic period archaeological resources and it evaluated the relative sensitivity of various portions of the property for such sites.

The documentary research indicated the former presence of one and possibly two Historic period residential structures within the South Shore Y.M.C.A. property (Boesch 1994:18-20). Due to inconsistencies of the maps consulted, however, the precise locations of the structures is uncertain. The Stage Ia study identified the vicinity of the mid to late nineteenth century Journeay residence as Zone 1 while Zone 2 was identified as the possible vicinity of the late nineteenth to early twentieth century Barrett residence (Boesch 1994:21). The playground is considered the most sensitive location within Zone 2.

Due to possible inaccuracies of the Historic period maps consulted, however, it was considered possible that the Barrett residence was not a separate structure but was, in fact, the Journeay residence. It was also considered possible that the former location of the Barrett residence is now occupied by the Y.M.C.A. building (Boesch 1994:19).

Due to the presence of these structures, the Stage Ia report concluded that portions of the project area in the vicinity of the former locations of these houses (Zone 1 and Zone 2) were sensitive for the presence of Historic period archaeological resources.

The Stage Ia study also considered portions of the project area to be sensitive for the presence of Native American cultural resources (Boesch 1994:21-22). This evaluation was based on the fact that the topography and physiography of portions of the project area were similar to locations on Staten Island where Native American sites have been recorded.

The objective of this Stage Ib archaeological investigation is to determine the actual presence or absence of archaeological resources which are possibly eligible for listing on the National Register of Historic Places within the portions of the property that will be directly or indirectly impacted by the proposed project.

Sub-surface testing of the proposed South Shore Y.M.C.A. project area was conducted on October 24th, 25th, 27th, and November 1st and 2nd, 1995. The field crew was under the direct supervision of the project principal investigator. All members of the field crew had prior formal archaeological field training.

B. Project Area Description

The Staten Island South Shore Y.M.C.A. project area is a roughly rectangular shaped parcel approximately 540 feet (north to south) by 220 feet (east to west - see Figures 2 and 3). It is located approximately 200 feet southeast of the junction of Amboy Road and Richmond Avenue and is bounded by the latter roadway on the west, Ridgecrest Avenue on the east, Oakdale Street on the south, and commercial property belonging to the Y.M.C.A Counseling Service to the north.

The northern half of the project property consists of part of a large, well drained knoll with a relatively level top. This is the predominant topographical feature within the project area. The northern two-thirds of this area is currently the location of an existing Y.M.C.A. building, gravel parking areas, paved walkways, grassy lawns, and a children's playground. The remaining portions of the knoll within the project area, including its southern and eastern slopes, are primarily wooded with some areas of scrub and brush. Extensive grading has apparently occurred along these slopes and a portion of the eastern slope has been cut away, apparently relatively recently, creating a relatively sharp drop.

The southern half of the project area consists of a wooded, relatively level, terrace-like area, approximately 40 to 80 feet wide, situated at the base of the knoll. The terrace-like area immediately overlooks a low-lying marsh which extends over the southernmost 140 to 150 feet of the property. The marsh was artificially created at least in part (Boesch 1994:2). A small stream extends from the eastern end of the marsh and flows through a culvert beneath Ridgecrest Avenue .

Zone 1 consists of a portion of the terrace-like area at the base of the knoll east of Richmond Avenue. Zone 2 includes the top of the knoll and consists of the playground, exit portion of the gravel driveway, a small gravel parking area, and a relatively flat wooded area. The playground is located north of the exit driveway and the wooded area is to its south. Zone 3 consists of the remaining portion of the knoll and the relatively level areas adjacent to the northern edge of the existing marsh.

C. Area of Impacts

The portions of the study area that are the subject of this Stage Ib archaeological investigation are locations that will be directly or indirectly impacted by proposed construction activities associated with the project. Direct impacts include construction of: 1) the Y.M.C.A. Community Center Building; 2) installation of utilities; and 3) landscaping of the area (see Figure 4).

The eastern portion of Zone 1 will be impacted by construction of the community center and parking areas while the western portion will be landscaped. The southeastern half of Zone 2, approximately, will be impacted by construction of the community center while the northwestern half, including the existing playground, will be landscaped. Zone 3 will be impacted by construction of the community center and parking areas.

D. Field Testing Procedures

The Stage Ib study consisted of a two phase program of sub-surface investigation consisting of shovel tests and mechanical excavations. The initial phase consisted of the excavation of 69 archaeological shovel tests. Each shovel test typically covered approximately 1-2 feet of surface area, and was excavated to the depth below which culturally sterile sub-soil was encountered. Tests reached depths ranging from 21 inches to 30 inches below the present ground surface. Soil removed from the shovel tests was screened through 1/4 inch mesh (hardware cloth) to detect the presence of artifacts. In some cases, however, clumps of dried, hard packed or clayey soils could not be passed through the screen. In such cases, the soil was carefully separated using a trowel and examined for the presence of artifacts. Material from each soil stratum was bagged separately whenever possible. Appendix A to this report lists the stratigraphy encountered in each test and the artifacts recovered from each stratum. Appropriate metrics are provided for each artifact. Shovel test locations are shown on Figure 2 with each shovel test identified by a number (1-69).

To facilitate discussion, the sub-surface tests conducted in each of the Zones identified in the Stage Ia report will be discussed separately.

In the vicinity of the Historic period house sites (Zones 1 and 2), shovel tests were excavated at 25 foot intervals to test for the presence of Historic period middens as well as Native American cultural resources. In Zone 3, the testing strategy involved the placement of shovel tests at approximately 50 foot intervals. In locations were tests revealed evidence of possibly significant cultural activity, additional shovel tests

were excavated in the immediately surrounding area to further investigate those locations. All shovel tests were located in relation to the southwestern corner of the existing Y.M.C.A. building.

After completion of the shovel tests, mechanical excavation using a standard tractor mounted backhoe and operator was conducted in Zones 1 and 2 and along a portion of the eastern slope of the project area knoll (Figure 3). Mechanical excavation consisted initially of the placement of archaeological trenches. This was followed by removal of the upper soil layers to the depth of sub-soil over extensive portions of each Zone. Most of the area's vegetation was removed prior to the mechanized testing. However, trees six inches in diameter or larger were not removed at the direction of the Y.M.C.A. following guidelines from the New York City Deparment of Parks and Recreation. Accordingly, mechanized sub-surface investigation of these localized areas could not be conducted.

In Zone 1, two east to west oriented trenches (Trenches 1 and 2), 80 and 65 feet long, were excavated. In Zone 2, one east to west oriented trench (Trench 3), approximately 90 feet long, was initially excavated. Subsequently, four lateral trenches (numbers 4-7), ranging between 30 and 90 feet in length, were excavated northward from Trench 1. The purpose of all the trenches was to reveal the archaeological stratigraphy present in both Zones over larger areas and to greater depths than could be accomplished by shovel testing.

In addition to the trenches excavated in Zones 1 and 2, one trench (number 8) was excavated into the cut away eastern edge of the project area knoll. The purpose of this trench was to compare the stratigraphy encountered there with the stratigraphy encountered in trenches 1-7. The cut away nature of the topography enabled the backhoe to excavated a trench with an approximately 10 foot deep profile into the knoll. This extended well below any fill that may have been present and enable a clear determination to be made of the characteristics of the project area's sub-soil.

Upon completion of the trenches and the recording of the resultant stratigraphic profiles, soils were removed to the depth of culturally sterile sub-soil over extensive portions of Zones 1 and 2. This was done in order to determine whether any archaeological remains (features/foundations) associated with the previously mentioned Historic period houses were located within either Zone.

One rectangular-shaped feature, subsequently termed Feature 1, was encountered in Zone 2 and investigated by excavation unit A (see below). Excavation of the feature was conducted using

standard archaeological techniques.

E. Data Analysis

The first stage of analysis consisted of laboratory processing of all artifacts recovered during the sub-surface testing. Each artifact was cleaned, examined, and identified as to type, function, cultural affiliation, and period of manufacture where possible. The cleaned artifacts were placed in labelled plastic bags.

The second stage of analysis consisted of studying the project area stratigraphy in conjunction with the artifacts recovered in order to interpret the survey results. The archaeological stratigraphy encountered in the sub-surface tests and the artifacts recovered are presented in Appendix A.

II. RESULTS OF FIELD TESTING

A. Shovel Tests

1. Zone 1

Twelve shovel tests (numbers 1-12; see Figure 2) were excavated in Zone 1. The area is the possible vicinity of the former Journeay residence. The uppermost one to three inches in the shovel tests conducted in Zone 1 consisted of a black brown sandy silt which represents the recently developed humus. Beneath this stratum in all of the shovel tests was an underlying leaching zone (B-horizon) of dark brown sandy silt. This stratum was between three and seven inches thick. Cultural material recovered from these upper strata consisted of various types of modern glass and other contemporary artifacts (plastic, aluminum foil, styrofoam, a door key, concrete, roofing shingle; see Appendix A). Unidentified metal fragments, coal, and slag were also recovered. One hard shell clam fragment, recovered from the dark brown sandy silt in shovel test 3, was the only faunal specimen recovered from Zone 1.

Beneath the dark brown sandy silt in shovel tests 5-12 was a five to ten inch thick layer of light brown sandy silt. This stratum is apparently the result of natural soil development and may represent former ground surfaces and underlying leaching zones. Glass fragments were the only artifacts recovered from this layer in Zone 1. Beneath this layer was the natural, culturally sterile, sub-soil which in these tests was yellow brown sandy silt or reddish brown clayey silt.

Beneath the dark brown sandy silt in shovel tests 1-4 was a culturally sterile layer of reddish brown clayey silt mixed with dark brown sandy silt that was between four and 11 inches thick. These four shovel tests were located in the southernmost portion of Zone 1 adjacent to the marsh/pond. This layer may be fill consisting of mixed sub-soil and humus/leaching zone soils derived from excavation in the 1930's of the nearby marsh/pond area (see Boesch 1994:2). Alternatively, the layer may be sub-soil that was disturbed in-situ either in the 1930's or subsequently. Below this layer was the culturally sterile sub-soil which in this area was a reddish brown clayey silt.

2. Zone 2

Thirty-four shovel tests (numbers 13, 14, 34-61, 66-69; see Figure 2) were excavated in Zone 2. The area is the possible vicinity of the Barrett House. Ten shovel tests (40-49) were located in the playground. Twenty-three shovel tests (13, 14, 34-39, 51-61, 66-69) were located in the wooded portion of Zone 2 south and east of the driveway. One shovel test (50) was

located within the gravel driveway.

The uppermost one to two inches in the shovel tests excavated in the playground consisted of sod or, where the sod had eroded, a dark brown sandy silt. Plastic fragments, recovered from three shovel tests (40, 44, 45) were the only artifacts recovered from this layer. Beneath the topsoil in all of the shovel tests excavated in the playground except for one (43) were a series of fill deposits between seven and 16 inches thick. The fill consists of layers of black sandy silt, yellow brown sandy silt mixed with brown clayey silt, red brown sandy silt with pebbles, dark brown sandy silt mixed with brown sandy silt, and mottled gray yellow brown clayey silt (see Appendix A). Small quantities of relatively modern cultural material was recovered from the uppermost of these fill layers. The fill, at least in part, is probably associated with the construction of the existing Y.M.C.A. building. Beneath the fill was what appeared to be a disturbed layers consisting of red brown clayey silt or yellow brown sandy silt/clayey silt mixed and mottled with gray brown clayey silt. These layers were excavated to between 42 and 46 inches below the surface which is the extent possible using manual excavation techniques. No cultural material was recovered from these layers which may represent fill and/or disturbed sub-soil.

Fill was not seen in one shovel test (43) excavated in the playground. Beneath the recently developed sod and underlying leaching zone was the light brown sandy silt (possible former topsoil and leaching zone layers) and yellow brown sandy silt sub-soil seen in tests excavated in Zones 2 and 3. Modern glass and one piece of plain whiteware were associated with the light brown sandy silt. Shovel tests 43 was located on the lower portion of a slope in the southwestern corner of the playground, an area that apparently was not filled along with the remainder of the playground area.

The uppermost one to three inches excavated in the other shovel tests located in Zone 2 with the exception of shovel test 50 consisted of two to three inches of black brown black sandy silt which represents the recently developed humus. Beneath this layer was a two to six inch thick leaching zone of dark brown sandy silt. Cultural material recovered from these upper strata consisted primarily of modern artifacts. However, one gray brown chert flake was recovered from the dark brown sandy silt from shovel test 38.

Beneath the dark brown sandy silt in these shovel tests was five to eight inches of light brown sandy silt. Glass, coal, and metal fragments were associated with this layer. In addition, one oyster shell fragment was recovered from this context from shovel test 59. The stratum is apparently the result of natural soil development and may represent former ground surfaces and

leaching zones.

Beneath the light brown sandy silt was the natural, culturally sterile, sub-soil which in these tests was yellow brown sandy silt or reddish brown clayey silt.

Because of the recovery of the chert flake from shovel test 38, four additional test (66-69) were excavated in the immediate vicinity. The stratigraphy encountered in these tests, and the Historic period artifacts recovered, were similar to that seen in shovel test 38. No additional Native American cultural material was recovered. Accordingly, the chert flake from shovel test 38 was considered to be an isolated find.

Shovel test 50 was excavated in the gravel driveway. The initial eight inches consisted of a layer of gravel and black brown sandy silt. Glass and coal fragments were associated with this layer. Below this stratum was another eight inches of brown sandy silt mixed with dark brown and red brown clayey silt. This layer appears to be a mixture of top soils and the sub-soil and, apparently, represents a grading layer produced when the driveway was constructed. Metal fragments and glass were associated with this deposit. Below the grading layer was the culturally sterile reddish brown clayey silt sub-soil.

3. Zone 3

Twenty-three shovel tests were excavated in Zone 3 which was considered to be sensitive, primarily, for the presence of Native American sites. Twelve shovel tests (numbers 15-24, 62-65) were located on the top of the knoll or terrace-like area while nine tests (25-33) were located in the relatively level area north of the existing marsh/pond. Two shovel tests were located in the driveway/parking areas.

The uppermost one to three inches of soil in the shovel tests excavated on the knoll in Zone 1 (with the exception of shovel tests 16 and 18) consisted of a black brown sandy silt which represents the recently developed humus. Beneath this stratum was the dark brown sandy silt leaching zone. This stratum was between two and six inches thick. Cultural material recovered from these upper strata consisted of various types of relatively modern artifacts (see Appendix A).

Beneath the dark brown sandy silt was a four to 13 inch thick layer of light brown sandy silt. This stratum is apparently the result of natural soil development and may represent former ground surfaces and underlying leaching zones. Glass fragments and coal were the only Historic period artifacts recovered from it. One gray brown chert flake was recovered from this layer from shovel test 24.

Beneath this layer was the natural, culturally sterile, sub-soil which in these tests was yellow brown sandy silt or reddish brown clayey silt.

Due to the recovery of the chert flake from shovel test 24, four additional tests (62-65) were excavated in its immediate vicinity. The stratigraphy encountered in these tests and the Historic period artifacts recovered were similar to that seen in shovel test 24 (see Appendix A). No additional Native American cultural material was recovered. Accordingly, the chert flake from shovel test 24 was considered to be an isolated find.

Shovel tests 16 and 18 were located within the driveway/parking area. The stratigraphy encountered in these tests is similar to that encountered in shovel test 50.

Shovel tests 25-28 were located near the northern and eastern edges of the marsh/pond. The stratigraphy seen in these tests consisted of the black brown sandy silt, dark brown sandy silt, light brown sandy silt, and reddish brown clayey silt encountered elsewhere in Zones 1, 2, and 3. Only relatively modern Historic period artifacts were recovered from these units.

Shovel tests 29-33 were excavated in a relatively flat area north of the marsh/pond and west of Ridgecrest Avenue. The area has apparently been stripped. Below recently developed topsoil (black brown sandy silt) and underlying leaching zone (dark brown sandy silt), was the culturally sterile reddish brown sandy silt sub-soil. Plastic, styrofoam, glass, and a modern nail were recovered from the topsoil and leaching zone.

B. Mechanized Sub-Surface Investigation

1. Trench 1 (Zone 1)

Trench 1 extended for approximately 80 feet in an east to west direction across the southern portion of Zone 1 (Figure 3; Plate 1). Trench width ranged between four and six feet with the wider section located to the west. Most of the trench extended to a depth of between three and four feet, however, the westernmost twenty feet was excavated to over ten feet below grade. The deeper section was excavated to the limit possible using the backhoe in order to ensure that fill was not present in this area. The stratigraphy encountered in Trench 1 reflected that seen in the shovel tests conducted in Zone 1 (Appendix A; Plate 2). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil which varied between a reddish brown sandy silt/clayey silt and yellow brown sandy silt/clayey silt. Deeper sub-soil strata seen in the western portion of Trench 1 were obviously not

encountered in the shovel tests excavated and consisted principally of layers of clay and sandy gravel characteristic of glacial outwash.

Approximately one foot of fill consisting of redeposited sub-soil was present immediately below the recent humus in the westernmost portion of Trench 1. Below the fill was a former ground surface (black brown sandy silt). The fill was probably deposited relatively recently since the former ground surface stratum still retained a high organic component as well as numerous rootlets, leaves, and other vegetative matter.

No cultural material was recovered from Trench 1.

2. Trench 2 (Zone 1)

Trench 2 extended for approximately 65 feet in an east to west direction across the northern portion of Zone 1 (Figure 3; Plate 3). Additional excavation along this line was prevented by the presence of large trees. Trench width ranged between four and six feet with the wider section located to the west. Most of the trench extended to a depth of between three and four feet, however, the westernmost twenty feet was excavated to over five feet below grade. The deeper section was excavated to ensure that fill was not present in this area. The stratigraphy encountered in Trench 2 reflected that encountered in the shovel tests and in Trench 1 (Appendix A; Plate 4). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. Fill was not present in the western portion of this trench as it was in Trench 1.

No cultural material was recovered from Trench 2.

3. Trench 3 (Zone 2)

Trench 3 extended for approximately 90 feet in an east to west direction across the southern portion of Zone 2 (Figure 3; Plate 5). The trench was located approximately 25 feet south of the exit portion of the Y.M.C.A. driveway. Trench width ranged between four and six feet with the wider section located to the east. Most of the trench extended to a depth of between three and four feet below grade. The stratigraphy encountered in Trench 2 reflected that encountered in the shovel tests and in the Zone 1 trenches (Appendix A; Plate 6). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 3.

4. Trench 4 (Zone 2)

Trench 4 extended approximately 30 feet in length, extending northward from Trench 3 (approximately twenty feet north of Richmond Avenue) to the exit portion of the Y.M.C.A. driveway (Figure 3; Plate 7). Most of the trench extended to a depth of between three and four feet below grade. The stratigraphy encountered in Trench 4 reflected that encountered in the shovel tests and in the other trenches excavated (Appendix A; Plate 8). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 4.

5. Trench 5 (Zone 2)

Trench 5 extended approximately 30 feet in length, extending northward from Trench 3 (approximately 20 feet north of Trench 4) to the exit portion of the Y.M.C.A. driveway (Figure 3; Plate 9). Most of the trench extended to a depth of between three and four feet below grade. The stratigraphy encountered in Trench 5 reflected that encountered in the shovel tests and in the other trenches excavated (Appendix A; Plate 10). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 5.

6. Trench 6 (Zone 2)

Trench 6 extended approximately 40 feet in length, extending northward from Trench 3 (approximately 25 feet north of Trench 5) to the small parking areas east of the Y.M.C.A. driveway (Figure 3; Plate 11). Most of the trench extended to a depth of between three and four feet below grade. The stratigraphy encountered in Trench 6 reflected that encountered in the shovel tests and in the other trenches excavated (Appendix A; Plate 12). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 6.

7. Trench 7 (Zone 2)

Trench 7 extended approximately 90 feet in length, extending northward from Trench 3 (approximately 20 feet north of Trench 6). It was located east of the small parking area adjacent to the Y.M.C.A. driveway (Figure 3; Plate 13). Most of the trench extended to a depth of between three and four feet below grade.

The stratigraphy encountered in Trench 7 reflected that encountered in the shovel tests and in the other trenches excavated (Appendix A; Plate 14). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 7.

8. Trench 8 (Zone 3)

Trench 8 was excavated into the cut away eastern edge of the knoll that is the predominant topographic feature within the project area (Figure 3; Plate 15). While this location is outside of the areas identified as sensitive for the presence of Historic period archaeological resources, it was felt that excavation into the knoll would provide information on the project area's stratigraphy particularly in terms of the nature of the sub-soil. The stratigraphic profile encountered in this trench was compared with the stratigraphy seen in the other excavated trenches in order to evaluate whether strata identified as sub-soil in Trenches 1-7 were in fact sub-soil or fill.

Trench 8 was approximately 10 feet in length and oriented in a roughly east to west direction. The trench was located approximately 335 feet north and 50 feet west of the intersection of Ridgecrest Avenue and Oakdale Street within Zone 3. Excavation into the cut of the knoll produced a stratigraphic profile that was approximately 10 feet in extent. The stratigraphy encountered in Trench 8 reflected that encountered in the other trenches excavated including the deep strata seen in the westernmost (deepest) section of Trench 1 (Appendix A; Plate 16). Below the modern humus and leaching zone were the light brown sandy silt and culturally sterile sub-soil. No fill was identified in this trench.

No cultural material was recovered from Trench 8.

9. Clearing - Zone 1

Subsequent to the completion of Trenches 1 and 2, an extensive area of Zone 1 was cleared in order to determine whether archaeological features were present (Figure 3; Plate 17). The uppermost approximately three feet of soil was removed exposing the culturally sterile sub-soil. No archaeological features were encountered in the cleared area.

10. Clearing - Zone 2

Subsequent to the completion of Trenches 3-7, the portion of Zone 2 south of the exit portion of the Y.M.C.A. driveway was cleared in order to determine whether archaeological features

were present (Figure 3; Plate 18). The area north of the driveway, which includes the playground, was not mechanically cleared. This was due to the fact that the driveway is still active and the playground still used extensively by children as part of the facilities offered by the Y.M.C.A. Clearing north of the driveway would accordingly have created undue hardship to the South Shore Y.M.C.A and its patrons. In addition, this area will not be extensively impacted by the proposed construction. Landscaping, including the planting of trees, is proposed for this location. This activity will result in disturbance to the uppermost 18 - 24 inches of soil only. Shovel testing investigated this area down to this depth and did not encounter any evidence for the presence of potentially significant cultural resources. It was felt that any features possibly located in the playground area would be present at depths greater than 24 inches and would therefore not be impacted by the proposed construction.

In the portion of Zone 2 south of the driveway, the uppermost approximately three feet of soil was removed exposing the culturally sterile sub-soil. One archaeological feature (Feature 1) was encountered in the cleared area south of the small parking area (Figure 3; Plate 19). The feature was investigated by Excavation Unit A.

C. Excavation Unit A - Feature 1

1. Stratigraphy

Unit A was excavated in order to investigate the archaeological feature (Feature 1; Plates 19 and 20) encountered during the mechanical removal of the uppermost soil layers from the southern portion of Zone 2. It was located 36 feet south and five feet west of the southeastern edge of the small parking area (Figure 3). Feature 1 initially appeared at ten inches below modern grade within the light brown sandy silt soil layer. It consisted of a rectangular-shaped soil stain that extended through the light brown sandy silt into the sub-soil. Historic period artifacts were seen to be associated with the feature's soil matrix. No architectural/structural remains were associated with the feature which appeared to be a small pit that was possibly truncated. The upper portion of Feature 1 was approximately 2.5 feet (north to south) by three feet (east to west) in size. The relatively small size of the feature permitted all of it to be excavated as Excavation Unit A. The feature was excavated in two sections. The southern third was initially excavated to the depth of sterile sub-soil. This provided a stratigraphic profile of the feature which was recorded (Plate 20). The northern two thirds of the feature were than excavated.

The initial layer in Feature 1 was an organic dark brown black sandy silt deposit approximately four inches thick (Appendix A; Plate 19 and 20). This was the artifact bearing layer of the feature and appears to represent a domestic deposit (see below). The size of the feature decreased slightly with the excavation of that layer reflecting its pit-like nature.

Beneath the upper deposit was a leaching zone of medium brown sandy silt that was also four inches thick (Appendix A; Plate 20). No artifacts were recovered from this layer. Below the medium brown sandy silt was the culturally sterile sub-soil which in this area was a reddish brown clayey silt (Appendix A; Plate 20).

2. Cultural Material

All of the cultural material from Feature 1 was recovered from the initial soil layer present, the dark brown black sandy silt (Appendix A).

a. Ceramics

Unglazed redware, transfer printed ironstone, hand painted porcelain, and ironstone tile fragments were recovered from the dark brown black sandy silt. The unglazed redware sherds consisted of eight body and two base fragments of one, and more likely, two flower pots. A drainage hole was present on one of the base fragments.

Thirty molded ironstone fragments were recovered from the dark brown black sandy silt. Nine possessed portions of a transfer printed decoration. Most of the 30 sherds mended and apparently represented parts of two plates. The plates had a scalloped edged and molded swirl decoration along the lip. Below the lip was a rose and green colored, stylized floral transfer print decoration. The rose colored flowers were present in two sizes. The larger size flowers were probably intended to represent either apple blossoms or roses while the smaller flowers were meant to represent forget-me-nots. The flowers were intertwined with green leaves.

The bottom of one of the plates contained a maker's mark that consisted of ribbon under floral wreath decoration with the phrase "EST.B 1844" within the wreath. Below the ribbon were the words "THE GOODWIN POTTERY COMPANY" below which were the words "SEMI-PORCELAIN." According to Kovel and Kovel (1986: 73k), this mark was used by the Goodwin Pottery Company of East Liverpool, Ohio between 1893 and 1906.

Three white hard paste porcelain fragments were recovered from the dark brown black sandy silt. The fragments mended to form part of the body and lip of a dish. The back surface of the

dish contained a molded chevron decoration while the front (inner) portion contained a molded floral decoration below the lip. The molded floral decoration was hand painted with gold paint.

Two thick, plain, white ironstone fragments were recovered from the dark brown black sandy silt. The backs of the fragments were unglazed and contained raised strips that serve as grout setting points. The fragments are probably part of bathroom tiles.

b. Bottles/Glass

Numerous fragments of bottle glass were recovered from the initial layer of Feature 1. Recovered fragments include rose tinted bottle base, neck and lip fragments of various sizes. Most, if not all, of these fragments are apparently pieces of milk bottles. Based upon the number of bases recovered, a minimum of five bottles are represented. One of the body fragments had the trade mark of a cow in a circle. This is the trade mark of the Borden's Milk Company. All of the recovered bases contain the molded letter "B." This is also suggestive of Borden's Milk Company. Other of the rose tinted fragments contain the words/letters "MILK", "QUART" and (Bord)"ens Milk CO."

The Bordens milk company began in 1886 in Walkill, New York, shipping fresh and condensed milk daily to New York City (Mantz and Seely n.d.). In the 1890's, the company produced milk under a number of trade names under the Borden label. The milk was the same, only the applied label and the consumer cost of the product was different. Two of the trade names were "Eagle" and "Liberty" which were used until the first decade of the twentieth century (Mantz and Seely n.d.). One of the rose tinted body fragments contained the molded logo of an eagle and another contained the words:

(Libe)"RTY"
(Bord)"EN'S"
"MILK CO."

These fragments are apparent part of bottles holding the Liberty and Eagle varieties of milk.

Other glass fragments recovered from the dark brown black sandy silt include an eye glass lens, a circular piece of flat, beveled glass, a milk glass bottle cap, drinking glass fragments, a shot glass fragment, lamp glass, and clear, blue tinted, and green tinted bottle glass. One of the pieces of clear bottle glass is the upper portion of a square bottle with protruding neck and wide mouth screw top lip opening. The mold seam on this bottle ends on the body below the separately applied neck and screw top lip which indicates it was probably

manufactured using a semi-automatic machine. Fiske (1987:4, 15) notes that the manufacture of wide-mouth screw top glass vessels was made possible by the invention of the Arbogast semi-automatic machine which was patented in 1881 and came into use in the United States after 1893. The seam morphology on this jar fragment is consistent with manufacture on a semi-automatic machine.

c. Domestic and Personal Items

The following domestic and personal items were recovered from Feature 1:

- six globular shaped blue glass beads with stringing holes. Three beads were 7.52 mm. in diameter and three were 10.9 mm. in diameter;

- one funnel-shaped tin bangle that may have been part of an ornament. The bangle was made by rolling and folding a sheet of tin;

- one copper washer

- one tin light bulb base and one tin light bulb lamp fixture. The light bulb base is similar to the base of the Edison Mazda C lamp base depicted in Edison Lamp Works (1915). This lamp was developed by the Edison Lamp Works of the General Electric Company in 1914 (see also Friedel, Israel, and Finn 1987).

- three metal bottle crown caps. The caps appear to be made of a copper alloy and one has what appears to be a celluloid coating on the top surface. The crown cap closure was patented in 1892 by William Painter of Baltimore (Lorrain 1968).

- one ballast with electrical contacts;

- one section of insulated electric wire;

- 20 fragments of miscellaneous metal weighting 78.9 grams.

d. Other

Thirty-seven pieces of hard shell clam (wt.: 87.6 grams) were the only faunal material recovered from Feature 1. One piece of coal (wt.: 12.5 grams) and one piece of slag (wt.: 1.5 grams) were also recovered.

III. CONCLUSIONS AND RECOMMENDATIONS

The Stage Ib archaeological investigation of the Staten Island, South Shore Y.M.C.A. project area encountered one feature (Feature 1), located in Zone 2 that was of potential significance. The small size of this feature, however, permitted its entire excavation during this phase of work eliminating the need for further investigation of this resource. No other evidence of possibly significant cultural resources were encountered in the project area and no additional investigations are warranted.

A. Zone 1

The shovel tests conducted in Zone 1 did not encountered any Historic period deposits nor were any Native American artifacts recovered. The two archaeological trenches excavated in the Zone and the subsequent mechanical removal of the upper soil deposits did not reveal the presence on any features. The stratigraphy encountered in the archaeological trenches, particularly the deep sections, revealed what appeared to be natural soil strata. The deep section of Trench 1 extended to over ten feet in depth. Even if the encountered sub-humic layers were fill, which is unlikely given the discrete, layered, nature of the soils and the fact that similar strata were seen in Trench 8, it would imply that any Historic period resources present would be deeply buried. Proposed project impacts in the vicinity of Zone 1 will consist of landscaping and the construction of parking areas, neither of which will involve any deep disturbance.

B. Zone 2

1. Area South and East of the Driveway

The shovel tests excavated in this area did not reveal any Historic period or Prehistoric period deposits. One flake was recovered from one shovel test (#38). Subsequent investigation determined that the flake was an isolated find.

The five archaeological trenches excavated in this area did not detect any features. The encountered stratigraphy appeared to consist primarily of natural soil layers.

The removal of the upper soil layers in Zone 2 revealed one Historic period feature (Figure 3:F1). The feature was a small rectangular-shaped pit consisting of two soil layers, only the uppermost of which contained cultural material. It was investigated as excavation unit A. The entire pit was excavated

during this phase of work.

Diagnostic cultural material recovered from the pit dates from the period early 1890's to 1914. A terminus post quem date for this feature is therefore 1914. It is postulated that the feature dates to the second decade of the twentieth century and is associated with the latter occupation of the Barrett residence. The function of the feature is unknown. It appears to have been truncated at some point by stripping of the area. This probably occurred earlier in this century, perhaps when the current Y.M.C.A. building was constructed. No indication was seen that the pit extended up to the present surface and substantial modern humic/leaching zone and accretional layers were present which would have formed subsequent to the stripping.

The occurrence of the pit beginning at approximately ten inches below the present grade indicates that the area was not subsequently filled which supports the interpretation of the stratigraphy encountered in the archaeological trenches.

2. Area North and West of the Driveway - Playground Area

Shovel tests conducted in this area revealed the presence of fill and possibly disturbed layers at least to the depth attainable by manual excavation. No possibly significant deposits were encountered. The limited amount of cultural material recovered from the fill was either of recent origin or temporally non-diagnostic. No artifacts were recovered from the seemingly disturbed layers beneath the fill. The fill layers were probably deposited, in part, during the construction of the current Y.M.C.A. building and subsequently. The seemingly disturbed (or additional fill) layers below the fill may be associated with the construction and demolition of the Barrett house. The Stage Ia report suggests that the playground area was the likely location of this residence (Boesch 1994:19).

Given the fact that the playground area is used on a daily basis by children and other Y.M.C.A. patrons and that current construction plans call for landscaping only to occur there, it was determined not to conduct trenching in the area to search for Historic period features. Landscaping will disturbed the uppermost 1.5 to two feet of soil only. The area was tested to this depth by manual testing and determined not to contain any possibly significant archaeological deposits.

C. Zone 3

The shovel tests excavated in Zone 3 did not reveal any Prehistoric period or Historic period deposits. One flake was recovered from shovel test 24 but subsequent investigation did

not reveal additional evidence of Native American activity. One trench (#8) was placed into the east cut bank of the knoll in order to observed the stratigraphy present. The encountered stratigraphy was similar to that encountered in the other trenches excavated and indicated that the layers in those trenches below the modern humus and leaching zones were naturally deposited.

D. Other

A long term residence of Eltingville, Staten Island, Mr. Robert Maniscalo, informed us that local lore stated that a burial ground was located within the project area. The Stage Ia study did not find any documentation for this assertion nor did the sub-surface investigation encounter any archaeological evidence that would indicate such a site was present in the project area.

E. Recommendations

Based upon the results of the Stage Ib study, it is determined that no additional archaeological investigations are warranted for Zones 1, 3, and the portion of Zone 2 south and east of the driveway. In addition, no additional archaeological investigation is recommended for the portion of Zone 2 north and west of the driveway (the playground) as long as landscaping is the only activity conducted in this area as part of the proposed construction project. If, as part of the proposed project, additional construction activities that will disturb the area to depths greater that two feet occur there or if future construction occurs in the area, it is recommended that mechanized sub-surface investigation of the area be conducted.

IV. REFERENCES CITED

Boesch, Eugene J.
1994 Stage Ia Archaeological Investigation of the Y.M.C.A. Staten Island Project Area, Borough of Richmond, New York. Report submitted to Rampulla Associates, Architects, 155 Third Street, Staten Island.

Edision Lamp Works
1915 Pictorial History of the Edison Lamp. Edison Lamp Works of the General Electric Company, Harrison, New Jersey.

Fiske, Richard E.
1987 The Bottle Book: A Comprehensive Guide to Historic Embossed Medicine Bottles. Gibbs M. Smith Publishers, Salt Lake City, Utah.

Friedel, Robert, Paul Israel, and Bernard S. Finn
1987 Edison's Electric Light; Biography of an Invention. Rutgers University Press, New Brunswick, New Jersey.

Kovel, Ralph and Terry Kovel
1986 Kovels' New Dictionary of Marks; Pottery and Porcelain 1850 to the Present. Crown Publishers, Inc., New York, New York.

Lorrain, Dessamae
1968 "An Archaeologist's Guide to Nineteenth Century American Glass." Historical Archaeology II:35-43.

Mentz, Frank and Vera Seely
n.d. "Borden Home Farm." Manuscript in the collections of New York Public Library.

United States Geological Survey
1966 Arthur Kill, N.Y. - N.J., 7.5 Minute Series (Topographic). United States Department of the Interior, Geological Survey, Washington, D.C. Photorevised 1981.

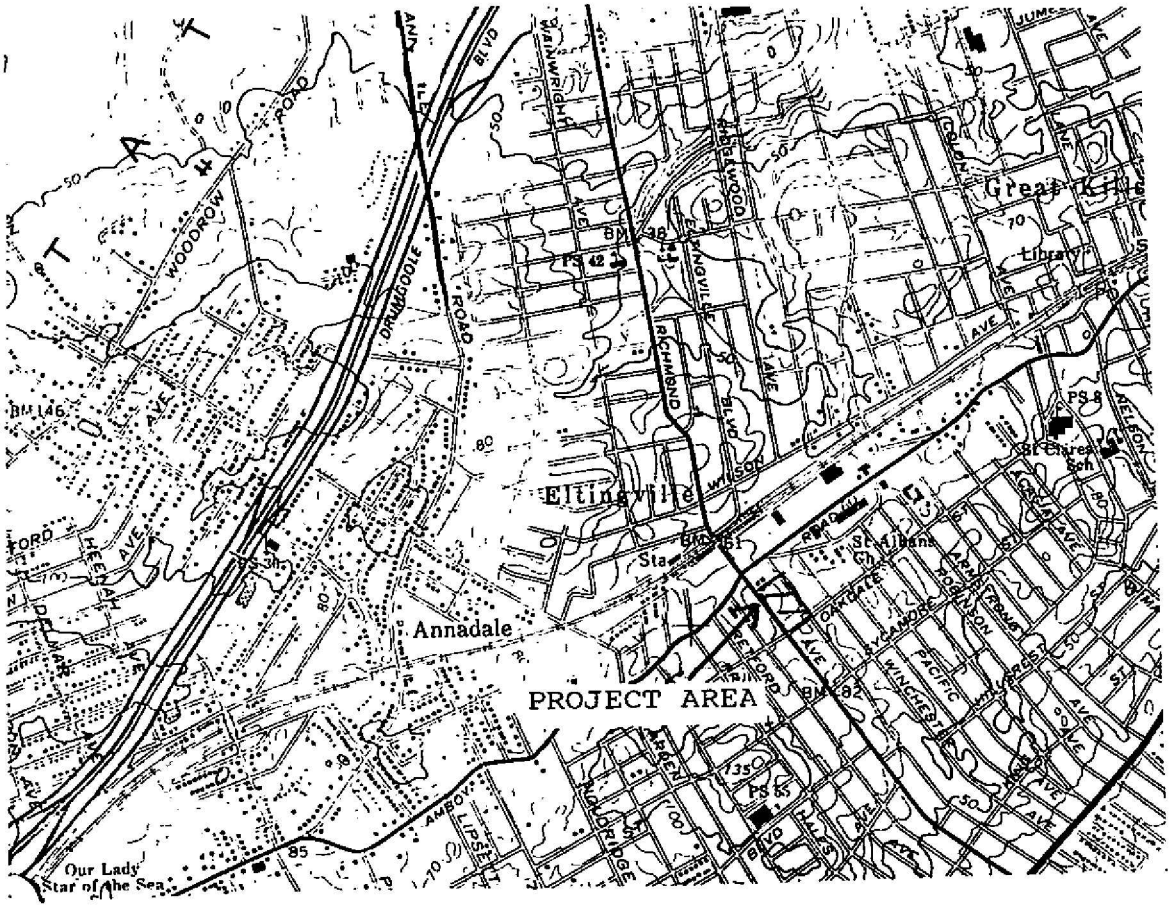

Figure 1
Project location
Base map: U.S.G.S. 1966
Scale: 1:24,000

RIDGECREST AVENUE

60'-0" WIDE

EXISTING EDGE OF PAVEMENT

--541.61'-- S 36°-57'-21" E

OAKDALE STREET

80'-0" WIDE.

EXISTING EDGE OF PAVING

N 54°-13'-10"E --209.44'--

N 52°-50'-45"E --222.19'--

(62.0) (64.0) (66.0) (68.0) (70.0) (72.0) (74.0)

Zone 1

Zone 2

Zone 3

EXISTING GRAVEL PARKING LOT.

EXISTING POND LOW AREA.

YMCA
EXIST. TWO STORY MAS. BLDG.
51.9'
54.70

Playground

--446.12'-- S 35°-33'-45"E

--100.0'--

S 35°-33'-45"E

EXISTING 4'-0" WIDE CONC. SIDEWALK

EXISTING CURB CUT

EXISTING CURB CUT

EXISTING CONC CURB

80'-0" WIDE

RICHMOND AVENUE

REGISTERED ARCHITECT
PHILIP V. RAMPULLA
UNIVERSITY OF THE STATE OF NEW YORK
9603

SITE PLAN (EXISTING CONDITIONS) SCALE 1"= 40'-0"

Figure 2
Location of Shovel Tests

rampulla associates architects
155 3rd street staten island, ny 10306 718 987-1310

date: 12-1-93 rev.
title: EXISTING CONDITIONS STATEN ISLAND SOUTH SHORE Y.M.C.A.
EXIST CONDITIONS (SITE)
dwg. by FLG
proj. no. 46 93
dwg. no. 3 10

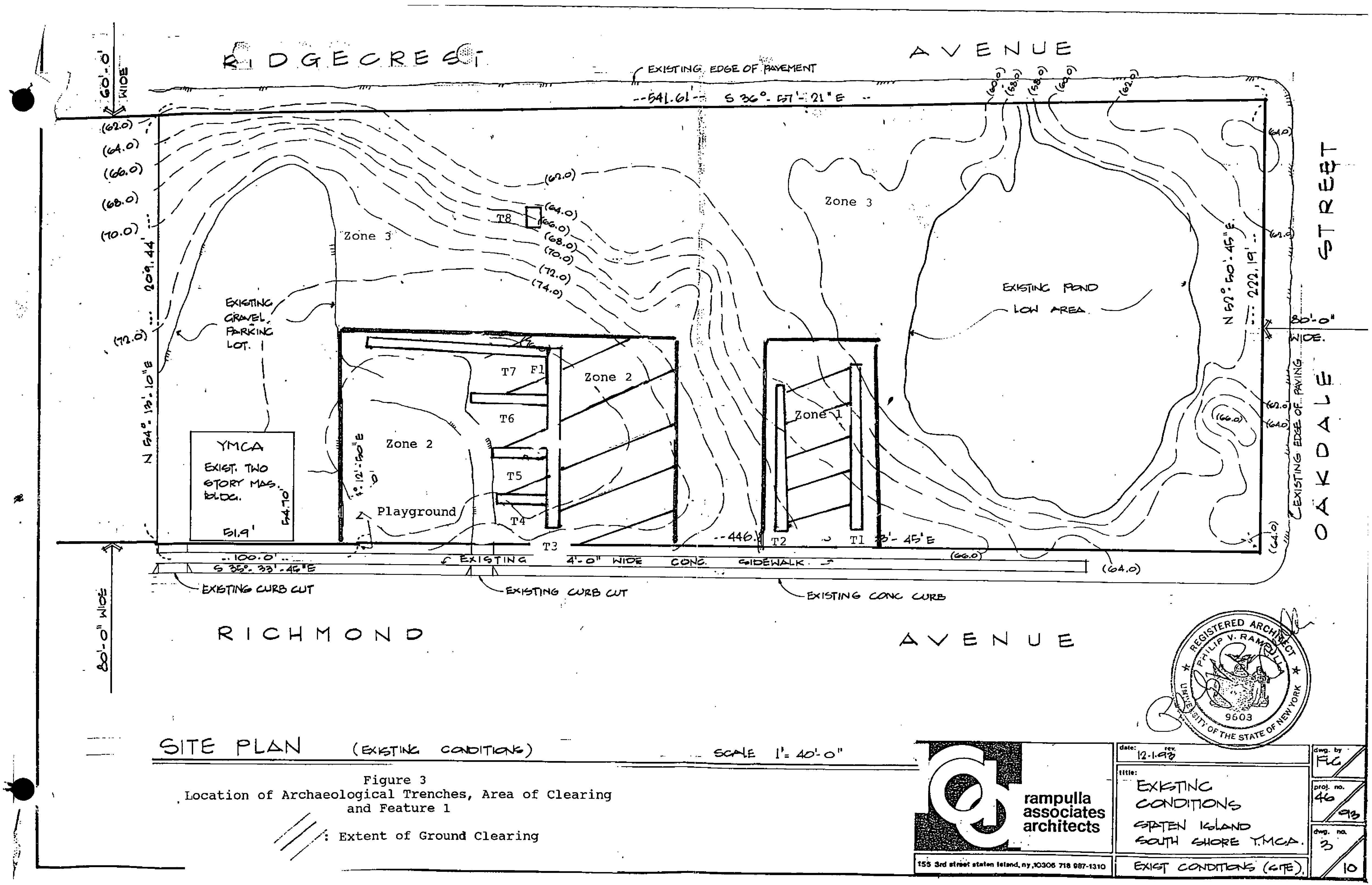
RIDGECREST AVENUE
EXISTING EDGE OF PAVEMENT
541.61' S 36° 57' 21" E
60'-0" WIDE
(62.0)
(64.0)
(66.0)
(68.0)
(70.0)
(72.0)
(74.0)
(60.0)
(58.0)
209.44'
N 54° 13' 10" E
Zone 3
T8
Zone 3
EXISTING POND LOW AREA
N 52° 50' 45" E
222.19'
80'-0" WIDE.
OAKDALE STREET
EXISTING EDGE OF PAVING
EXISTING GRAVEL PARKING LOT.
T7
F1
Zone 2
T6
Zone 2
T5
T4
Playground
YMCA
EXIST. TWO STORY MAS. BLDG.
51.9'
54.70
Zone 1
T3
T2
T1
446.
100.0'
S 35° 33' 45" E
EXISTING 4'-0" WIDE CONC. SIDEWALK
EXISTING CURB CUT
EXISTING CURB CUT
EXISTING CONC CURB
80'-0" WIDE
RICHMOND AVENUE
REGISTERED ARCHITECT
PHILIP V. RAMPULLA
UNIVERSITY OF THE STATE OF NEW YORK
9603
SITE PLAN (EXISTING CONDITIONS)
SCALE 1"= 40'-0"
rampulla associates architects
155 3rd street staten island, ny,10306 718 987-1310
date: 12-1-93
title:
EXISTING CONDITIONS
STATEN ISLAND
SOUTH SHORE Y.M.C.A.
EXIST CONDITIONS (SITE)
dwg. by FLC
proj. no. 46 93
dwg. no. 3
10

Figure 3
Location of Archaeological Trenches, Area of Clearing and Feature 1

: Extent of Ground Clearing

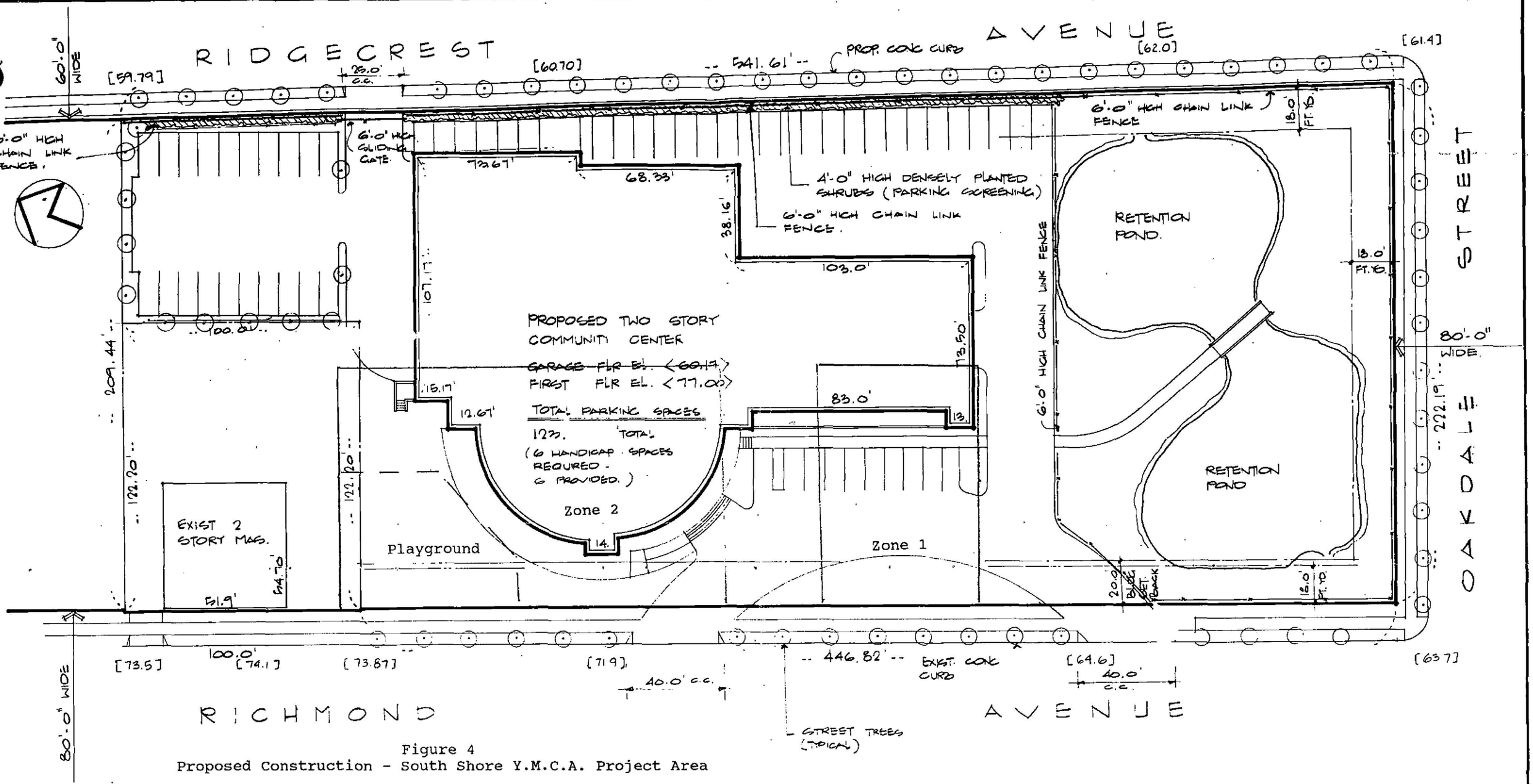

Figure 4
Proposed Construction - South Shore Y.M.C.A. Project Area

SITE PLAN

SCALE 1" = 40'-0"

rampulla associates architects
156 3rd street staten island, ny 10306 718 987-1310

date: 12-1-93 rev. 10.17.94 P.C.

title: PROPOSED CONDITIONS
STATEN ISLAND SOUTH SHORE Y.M.C.A.
SITE PLAN

dwg. by PLC
proj. no. 46 93
dwg. no. 4 93

Plate 1
Trench 1 - Zone 1

Plate 2
Trench 1 - Deep Section Profile

Plate 3
Trench 2 - Zone 1

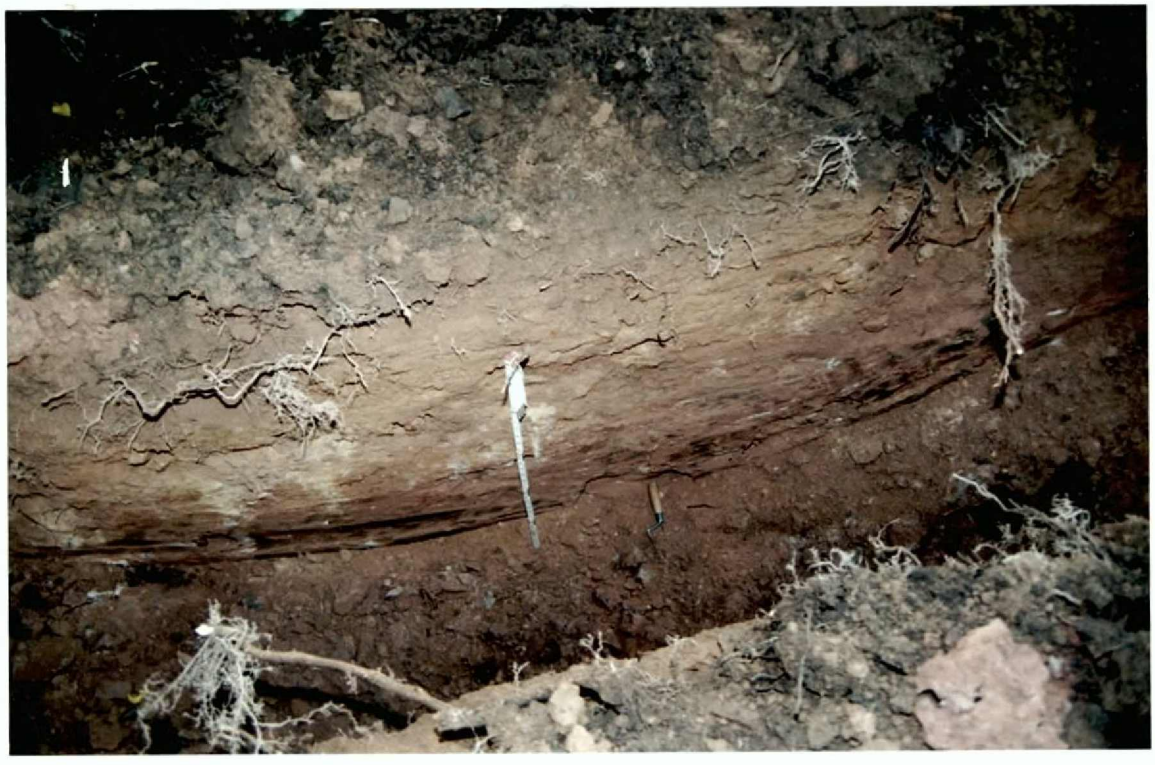

Plate 4
Trench 2 - Deep Section Profile

Plate 5
Trench 3 - Zone 2

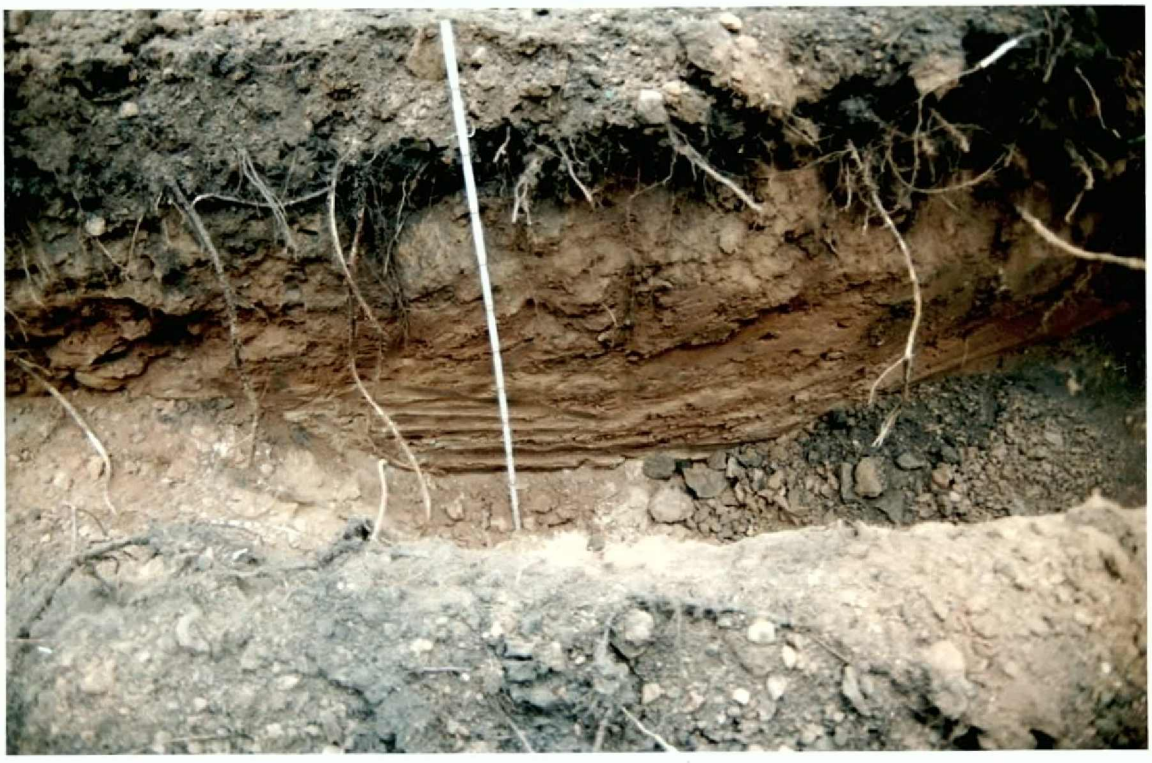

Plate 6
Trench 3 - Deep Section Profile

Plate 7
Trench 4 - Zone 2

Plate 8
Trench 4 - Typical Profile

Plate 9
Trench 5 - Zone 2

Plate 10
Trench 5 - Typical Profile

Plate 11
Trench 6 - Zone 2

Plate 12
Trench 6 - Typical Profile

Plate 13
Trench 7 - Zone 2

Plate 14
Trench 7 - Typical Profile

Plate 15
Trench 8 - Zone 3 (Eastern Edge of Knoll)

Plate 16
Trench 8 - Deep Section Profile

Plate 17
Clearing - Zone 1

Plate 18
Clearing - Zone 2

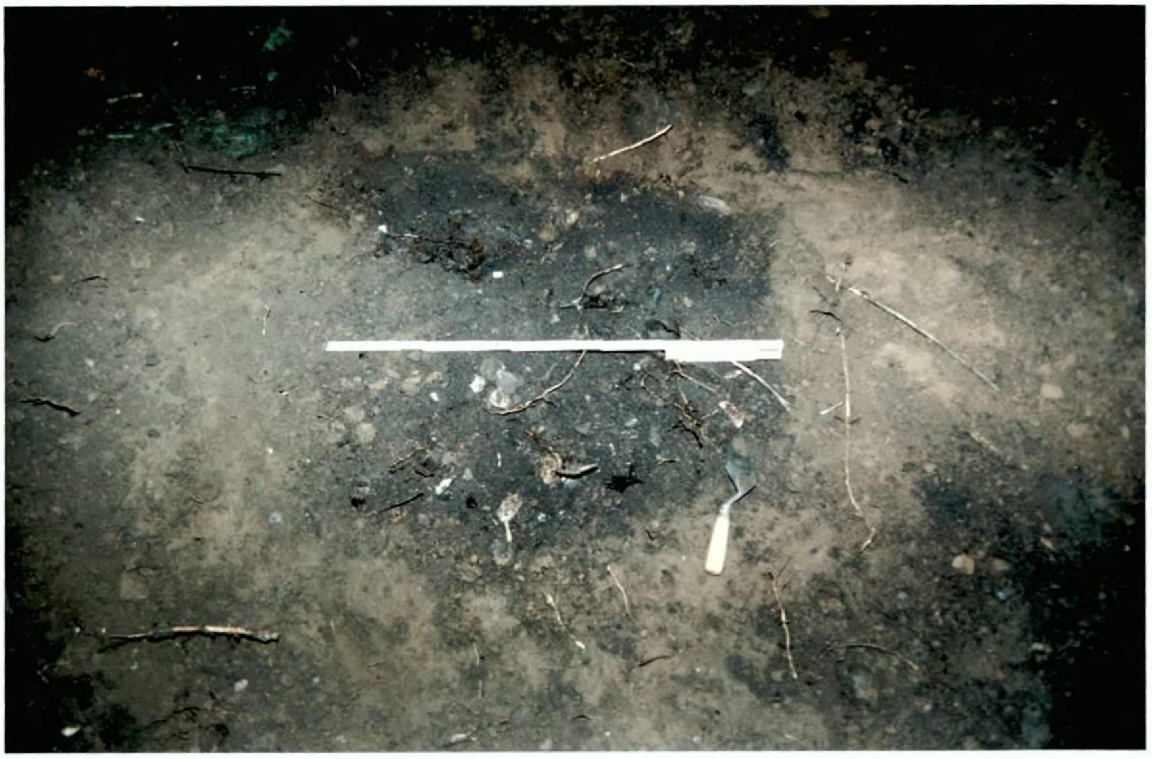

Plate 19
Feature 1 - Excavation Unit A

Plate 20
Cross-Section Profile - Feature 1

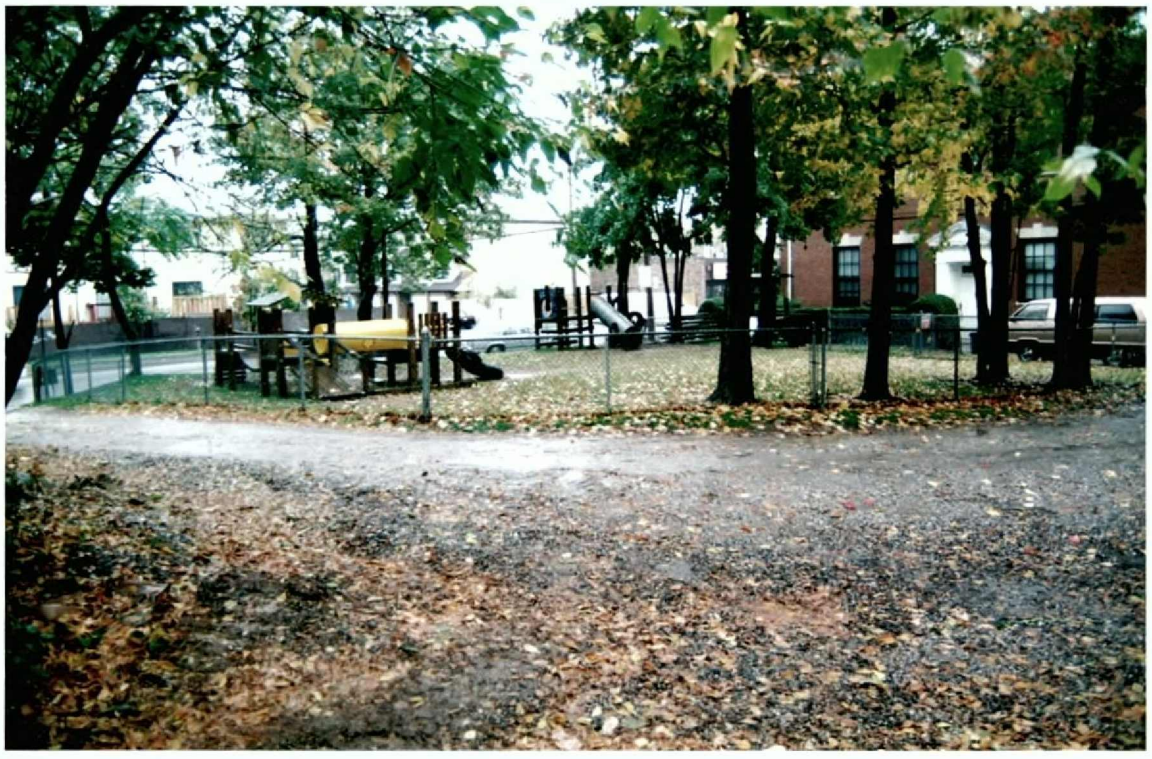

Plate 21
Driveway and Playground - Zone 2

APPENDIX A

SUB-SURFACE INVESTIGATION - ARCHAEOLOGICAL STRATIGRAPHY AND ARTIFACT INVENTORY

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
1	I	0-3	Black Brown Sandy Silt	1 pc. green glass 1 pc. amber bottle glass
	II	3-6	Dark Brown Sandy Silt	1 pc. styrofoam 1 pc. plastic 1 aluminum can flip top 1 door key (modern)
	III	6-9	Gray Black Sandy Silt mixed with Reddish Brown Clayey Silt	None
	IV	9-24	Reddish Brown Clayey Silt	None
2	I	0-2	Black Brown Sandy Silt	1 pc. green glass 1 pc. amber bottle glass
	II	2-7	Dark Brown Sandy Silt	1 pc. molded clear glass 1 pc. concrete (wt.: 4.6 g.) 1 pc. plastic
	III	7-10	Gray Black Sandy Silt mixed with Reddish Brown Clayey Silt	None
	IV	10-25	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
3	I	0-2	Black Brown Sandy Silt	1 pc. clear glass 1 pc. plaster
	II	2-5	Dark Brown Sandy Silt	1 aluminum can fragment 3 pc. coal (wt.: 5.7 g.) 2 pc. slag (wt.: 3.2 g.) 1 pc. hard shel clam (wt.: 6.9 g.)
	III	5-16	Gray Black Sandy Silt mixed with Reddish Brown Clayey Silt	None
	IV	16-25	Reddish Brown Clayey Silt	None
4	I	0-1	Black Brown Sandy Silt	2 pc. clear glass 1 pc. plaster
	II	1-8	Dark Brown Sandy Silt	1 pc. metal (wt.: 8.9 g.)
	III	8-12	Reddish Brown Clayey Silt mottled with Dark Brown Sandy Silt	None
	IV	12-25	Reddish Brown Clayey Silt	None
5	I	0-2	Black Brown Sandy Silt	None
	II	2-6	Dark Brown Sandy Silt	None
	III	6-16	Light Brown Sandy Silt	None
	IV	16-26	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
6	I	0-2	Black Brown Sandy Silt	None
	II	2-6	Dark Brown Sandy Silt	None
	III	6-12	Light Brown Sandy Silt	None
	IV	12-24	Yellow Brown Sandy Silt	None
7	I	0-3	Black Brown Sandy Silt	4 pc. clear bottle glass 2 pc. amber bottle glass 7 pc. green glass
	II	3-9	Dark Brown Sandy Silt	6 pc. clear bottle glass 5 pc. clear glass 11 pc. amber bottle glass 4 pc. green glass 2 pc. red glass
	III	9-14	Light Brown Sandy Silt	3 pc. clear glass 1 pc. amber bottle glass 5 pc. green glass
	IV	14-23	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
8	I	0-1	Black Brown Sandy Silt	6 pc. clear bottle glass 12 pc. amber bottle glass 9 pc. green glass
	II	3-9	Dark Brown Sandy Silt	4 pc. clear bottle glass 2 pc. clear glass 10 pc. amber bottle glass 8 pc. green glass 1 pc. red glass 2 pc. charcoal (wt.: 4.5 g.)
	III	9-14	Light Brown Sandy Silt	3 pc. clear glass 1 pc. amber bottle glass 5 pc. green glass
	IV	14-23	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
9	I	0-2	Black Brown Sandy Silt	3 pc. clear molded glass 10 pc. amber bottle glass 5 pc. green glass 1 pc. aluminum foil 1 pc. aluminum can flip top 3 roofing shingle frags
	II	2-9	Dark Brown Sandy Silt	2 pc. clear molded glass 11 pc. amber bottle glass 3 pc. green glass 2 pc. aluminum foil 4 roofing shingle frags
	III	9-18	Light Brown Sandy Silt	None
	IV	18-21	Yellow Brown Sandy Silt	None
10	I	0-2	Black Brown Sandy Silt	3 pc. clear bottle glass 3 pc. green glass 1 pc. plastic
	II	2-5	Dark Brown Sandy Silt	1 pc. clear molded glass 1 pc. clear window glass 3 pc. plastic
	III	5-15	Light Brown Sandy Silt	None
	IV	15-21	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
11	I	0-3	Black Brown Sandy Silt	8 pc. clear bottle glass 10 pc. green glass 13 pc. amber bottle glass 4 pc. coal (wt.: 6.3 g.) 1 pc. plastic
	II	3-7	Dark Brown Sandy Silt	1 pc. clear molded glass 1 pc. clear window glass 3 pc. coal (wt.: 5.7 g.) 3 pc. plastic
	III	7-17	Light Brown Sandy Silt	7 pc. clear flat glass 3 pc. amber bottle glass
	IV	17-28	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
12	I	0-2	Black Brown Sandy Silt	10 pc. clear bottle glass 12 pc. green glass 20 pc. amber bottle glass 16 pc. red glass 1 pc. plastic 11 pc. coal (wt.: 3.7 g.)
	II	3-4	Dark Brown Sandy Silt	1 pc. clear molded glass 1 pc. clear window glass 3 pc. plastic 3 pc. metal (wt.: 8.4 g.) 1 bottle cap 3 pc. coal (wt.: 6.0 g.)
	III	4-13	Light Brown Sandy Silt	2 pc. clear flat glass 1 pc. amber bottle glass
	IV	13-26	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
13	I	0-2	Black Brown Sandy Silt	7 pc. clear bottle glass 10 pc. green glass 10 pc. amber bottle glass 2 pc. coal (wt.: 2.3 g.)
	II	2-7	Dark Brown Sandy Silt	2 pc. clear molded glass 1 pc. clear window glass 1 pc. plastic 1 pc. screw top beer bottle cap
	III	7-16	Light Brown Sandy Silt	1 pc. clear window glass 2 pc. amber bottle glass
	IV	16-24	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
14	I	0-2	Black Brown Sandy Silt	7 pc. clear bottle glass 4 pc. green glass 11 pc. amber bottle glass 1 pc. coal (wt.: 1.3 g.)
	II	2-4	Dark Brown Sandy Silt	1 pc. polychrom whiteware 1 pc. blue hand painted hard paste porcelain 5 pc. clear molded glass 1 pc. plastic 1 pc. copper wire
	III	4-12	Light Brown Sandy Silt	1 pc. amber glass 1 pc. red glass 1 pc. metal - copper (wt.: 0.5 g.) 3 pc. plaster (wt.: 11.8 g. 2 pc. coal (wt.: 3.2 g.)
	IV	12-24	Red Brown Clayey Silt mixed with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
15	I	0-3	Black Brown Sandy Silt	7 pc. clear bottle glass 4 pc. green glass 11 pc. amber bottle glass 1 pc. coal (wt.: 1.3 g.)
	II	3-9	Dark Brown Sandy Silt	5 pc. clear window glass 1 plastic zip lock bag 1 pc. coal (wt.: 4.5 g.)
	III	9-13	Light Brown Sandy Silt	None
	IV	13-16	Red Brown Clayey Silt	None
16	I	0-9	Black Brown Sandy Silt with Gravel	2 pc. clear bottle glass 2 pc. green glass 8 pc. amber bottle glass 5 pc. coal (wt.: 9.3 g.)
	II	9-15	Mixed Brown Sandy Silt, Dark Brown Sandy Silt, and Red Brown Clayey Silt	10 pc. clear window glass 16 amber bottle glass 8 pc. green glas 5 pc. red glass 7 pc. coal (wt.: 14.9 g.)
	III	15-23	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
17	I	0-2	Black Brown Sandy Silt	2 pc. red brick (wt.: 3.3 g.)
	II	2-4	Dark Brown Sandy Silt	1 pc. red brick (wt.: 1.1 g.) 1 ceramic sewer pipe fragment 8 pc. clear glass 7 pc. amber bottle glass 6 pc. green bottle glass 1 pc. misc. metal (wt.: 1.4 g.) 1 pc. coal (wt.: 0.2 g.)
	III	4-16	Light Brown Sandy Silt	7 pc. clear molded glass 9 pc. clear glass 5 pc. amber bottle glass 3 pc. green bottle glass 2 pc. coal (wt.: 2.1 g.)
	IV	16-27	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
18	I	0-8	Black Brown Sandy Silt with Gravel	1 pc. clear bottle glass 6 pc. green glass 9 pc. amber bottle glass 3 pc. coal (wt.: 2.3 g.)
	II	8-16	Mixed Brown Sandy Silt, Dark Brown Sandy Silt, and Red Brown Clayey Silt	12 pc. clear window glass 18 amber bottle glass 10 pc. green glass 10 pc. red glass 3 pc. misc. metal (wt.: 4.7 g.) 12 pc. coal (wt.: 16.9 g.)
	III	16-25	Reddish Brown Clayey Silt	None
19	I	0-3	Black Brown Sandy Silt	3 pc. red brick 1 pc. misc. metal (wt.: 5.5 g.) 2 pc. styrofoam 3 pc. green glass 2 pc. amber bottle glass
	II	3-17	Light Brown Sandy Silt	3 pc. amber bottle glass 7 pc. clear bottle glass
	III	17-28	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
20	I	0-3	Black Brown Sandy Silt	2 pc. green glass 2 pc. clear bottle glass
	II	3-8	Dark Brown Sandy Silt	1 pc. amber glass 2 pc. charcoal (wt.: 5.4 g.)
	III	8-15	Light Brown Sandy Silt	None
	IV	15-26	Reddish Brown Clayey Silt	None
21	I	0-3	Black Brown Sandy Silt	1 pc. green glass 1 pc. clear bottle glass 5 pc. amber bottle glass
	II	3-7	Dark Brown Sandy Silt	1 pc. amber glass 2 pc. misc. metal (wt.: 10.8 g.) 1 pc. plastic
	III	7-16	Light Brown Sandy Silt	None
	IV	16-25	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
22	I	0-3	Black Brown Sandy Silt	7 pc. green glass 5 pc. clear bottle glass 3 pc. amber bottle glass
	II	3-8	Dark Brown Sandy Silt	1 pc. plain hard paste porcelain 3 pc. amber glass 2 pc. misc. metal (wt.: 11.7 g.) 2 pc. plastic
	III	8-16	Light Brown Sandy Silt	None
	IV	16-24	Reddish Brown Clayey Silt	None
23	I	0-3	Black Brown Sandy Silt	5 pc. green glass 4 pc. clear bottle glass 1 pc. amber bottle glass
	II	3-9	Dark Brown Sandy Silt	1 pc. plain whiteware 1 pc. salt glazed stoneware 3 pc. amber glass 2 pc. clear glass 2 pc. charcoal (wt.: 2.3 g.)
	III	9-22	Light Brown Sandy Silt	1 pc. amber glass 4 pc. clear glass
	IV	22-26	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
24	I	0-3	Black Brown Sandy Silt	5 pc. green glass 4 pc. clear bottle glass 1 pc. amber bottle glass 1 Jefferson Nickel - 1964 date
	II	3-8	Dark Brown Sandy Silt	1 pc. plastic 4 pc. amber glass
	III	8-16	Light Brown Sandy Silt	1 gray brown chert flake (wt.: 4.6 g.) 4 pc. clear glass
	IV	16-24	Reddish Brown Clayey Silt	None
25	I	0-3	Black Brown Sandy Silt	10 pc. green glass 11 pc. clear bottle glass 9 pc. amber bottle glass
	II	3-6	Dark Brown Sandy Silt	6 pc. amber glass
	III	6-11	Light Brown Sandy Silt	2 pc. red glass
	IV	11-27	Reddish Brown Clayey Silt	None
26	I	0-3	Black Brown Sandy Silt	4 pc. green glass
	II	3-7	Dark Brown Sandy Silt	7 pc. clear glass
	III	7-11	Light Brown Sandy Silt	4 pc. clear glass
	IV	11-26	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
27	I	0-3	Black Brown Sandy Silt	3 pc. green glass 6 pc. clear bottle glass
	II	3-7	Dark Brown Sandy Silt	17 pc. clear glass 2 pc. red glass
	III	7-15	Light Brown Sandy Silt	4 pc. amber glass
	IV	15-27	Red Brown Clayey Silt with Sand	None
28	I	0-3	Black Brown Sandy Silt	3 pc. misc. metal
	II	3-6	Dark Brown Sandy Silt	3 pc. clear glass
	III	6-11	Light Brown Sandy Silt	1 pc. clear glass
	IV	11-22	Red Brown Clayey Silt with Sand	None
29	I	0-3	Black Brown Sandy Silt	1 pc. plastic
	II	3-4	Dark Brown Sandy Silt	3 pc. plastic
	III	4-15	Red Brown Clayey Silt with Sand	None
30	I	0-3	Black Brown Sandy Silt	1 pc. clear glass
	II	3-4	Dark Brown Sandy Silt	1 pc. styrofoam
	III	4-12	Red Brown Clayey Silt with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
31	I	0-3	Black Brown Sandy Silt	2 pc. plastic
	II	3-5	Dark Brown Sandy Silt	None
	III	5-15	Red Brown Clayey Silt with Sand	None
32	I	0-3	Black Brown Sandy Silt	1 wire nail
	II	3-4	Dark Brown Sandy Silt	1 pc. plastic
	III	4-14	Red Brown Clayey Silt with Sand	None
33	I	0-3	Black Brown Sandy Silt	1 pc. clear glass
	II	3-4	Dark Brown Sandy Silt	None
	III	4-13	Red Brown Clayey Silt with Sand	None
34	I	0-3	Black Brown Sandy Silt	None
	II	3-7	Dark Brown Sandy Silt	None
	III	7-12	Light Brown Sandy Silt	None
	IV	12-23	Red Brown Clayey Silt with Sand	None
35	I	0-3	Black Brown Sandy Silt	None
	II	3-6	Dark Brown Sandy Silt	None
	III	6-13	Light Brown Sandy Silt	None
	IV	13-24	Red Brown Clayey Silt with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
36	I	0-3	Black Brown Sandy Silt	None
	II	3-6	Dark Brown Sandy Silt	5 pc. clear glass
	III	6-13	Light Brown Sandy Silt	None
	IV	13-24	Red Brown Clayey Silt with Sand	None
37	I	0-3	Black Brown Sandy Silt	None
	II	3-8	Dark Brown Sandy Silt	1 pc. clear glass 1 pc. green glass 1 roofing shingle frag.
	III	8-14	Light Brown Sandy Silt	None
	IV	14-21	Red Brown Clayey Silt with Sand	None
38	I	0-3	Black Brown Sandy Silt	1 plastic cigarette filter
	II	3-9	Dark Brown Sandy Silt	1 gray brown chert flake (wt.: 3.5 g.) 2 pc. clear glass 2 pc. green glass 1 pc. plain ironstone 4 pc. charcoal (wt.: 4.3 g.)
	III	9-15	Light Brown Sandy Silt	3 pc. clear glass
	IV	15-24	Red Brown Clayey Silt with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
39	I	0-3	Black Brown Sandy Silt	1 pc. plastic
	II	3-9	Dark Brown Sandy Silt	2 pc. styrofoam 2 pc. red glass 2 pc. charcoal (wt.: 2.3 g.)
	III	9-17	Light Brown Sandy Silt	3 pc. red glass
	IV	17-22	Red Brown Clayey Silt with Sand	None
40	I	0-3	Black Brown Sandy Silt	1 pc. plastic
	II	3-9	Dark Brown Sandy Silt	None
	III	9-15	Light Brown Sandy Silt	1 pc. clear glass
	IV	15-46	Red Brown Clayey Silt with Sand mixed with Gray Brown Clayey Silt	None
41	I	0-1	Dark Brown Sandy Silt	None
	II	1-2	Black Sandy Silt	None
	III	2-3	Yellow Brown Sandy Silt mixed with Brown Clayey Silt	None
	IV	3-12/17	Red Brown Sandy Silt with Pebbles	None
	V	12/17-48	Yellow Brown Clayey Silt mixed with Gray Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
42	I	0-1	Sod	None
	II	1-2	Black Sandy Silt	1 pc. plastic
	III	2-14	Dark Brown Sandy Silt mixed with Brown Sandy Silt	3 pc. clear glass
	IV	14-18	Light Brown Sandy Silt	None
	V	18-47	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None
43	I	0-2	Sod	None
	II	2-5	Dark Brown Sandy Silt	2 pc. clear glass 3 pc. green glass 8 pc. amber glass
	III	5-10	Light Brown Sandy Silt	2 pc. red glass 1 pc. plain whiteware
	IV	10-46	Yellow Brown Sandy Silt	None
44	I	0-1	Sod	1 pc. plastic
	II	1-3	Black Sandy Silt	2 pc. clear glass 3 pc. red glass
	III	3-6	Yellow Brown Sandy Silt mixed with Brown Clayey Silt	None
	IV	6-9/12	Red Brown Silty Sand with Pebbles	None
	V	9/12-47	Yellow Brown Clayey Silt mottled with Gray Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
45	I	0-1	Sod	1 pc. plastic
	II	1-2	Black Sandy Silt	2 pc. clear glass 3 pc. red glass 2 pc. plain redware
	III	2-6	Yellow Brown Sandy Silt mixed with Brown Clayey Silt	None
	IV	6-8	Red Brown Silty Sand with Pebbles mixed with Dark Brown Sandy Silt	None
	V	8-13	Gray Yellow Brown Clayey Silt mottled with Brown Gray Clayey Silt	None
	VI	13-46	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None
46	I	0-1	Sod	None
	II	1-3	Black Sandy Silt	None
	III	2-6	Yellow Brown Sandy Silt mixed with Brown Clayey Silt	3 pc. clear glass
	IV	6-8	Gray Yellow Brown Clayey Silt	None
	V	8-48	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
47	I	0-2	Sod	None
	II	2-5	Dark Brown Sandy Silt	None
	III	5-8	Dark Brown Sandy Silt mixed with Gray Black Sandy Silt and Ash	3 pc. clear glass 4 pc. red brick (wt.: 4.7 g.) 3 pc. misc. metal (wt.: 9.4 g.) 65 pc. coal (wt.: 165.8 g.) 54 pc. slag (wt.: 148.5 g.)
	IV	8-12	Gray Yellow Brown Clayey Silt	None
	V	12-47	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None
48	I	0-2	Sod	None
	II	2-3	Dark Brown Sandy Silt	1 pc. plastic
	III	3-10	Gray Brown Sandy Silt mottled with Light Brown and Yellow Brown Sandy Silt	5 pc. clear glass 4 pc. amber bottle glass 3 green glass
	IV	10-14	Gray Yellow Brown Clayey Silt	None
	V	14-47	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
49	I	0-1	Sod	None
	II	1-2	Dark Brown Sandy Silt	None
	III	2-5	Gray Brown Sandy Silt mottled with Light Brown Sandy Silt	None
	IV	5-11	Light Brown Sandy Silt	None
	V	11-46	Yellow Brown Sandy Silt mixed with Gray Brown Clayey Silt	None
50	I	0-8	Black Brown Sandy Silt with gravel	2 pc. clear glass 3 pc. amber glass 4 pc. coal (wt.: 5.8 g.)
	II	8-16	Brown Sandy Silt mixed with Dark Brown and Red Brown Clayey Silt	3 pc. misc. metal (wt.: 18.9 g.) 5 pc. green glass
	III	15-23	Reddish Brown Clayey Silt	None
51	I	0-2	Black Brown Sandy Silt	2 pc. styrofoam
	II	2-8	Dark Brown Sandy Silt	None
	III	8-14	Light Brown Sandy Silt	6 pc. coal (wt.: 8.5 g.) 8 pc. slag (wt. 7.4 g.)
	IV	14-23	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
52	I	0-2	Black Brown Sandy Silt	4 pc. styrofoam
	II	2-8	Dark Brown Sandy Silt	2 pc. cellophane 3 pc. aluminum foil
	III	8-14	Light Brown Sandy Silt	3 pc. green glass 2 pc. clear glass 4 pc. amber bottle glass 1 pc. plain whiteware 2 pc. red brick (wt.: 7.3 g.) 1 pc. hard shell clam (wt.: 8.7 g.) 6 pc. coal (wt.: 8.5 g.) 8 pc. slag (wt. 7.4 g.)
	IV	14-23	Yellow Brown Sandy Silt	None
53	I	0-2	Black Brown Sandy Silt	None
	II	2-7	Dark Brown Sandy Silt	1 pc. green transfer printed whiteware 2 pc. plastic 5 pc. green glass 6 pc. clear glass 8 pc. coal (wt.: 8.1 g.)
	III	7-14	Light Brown Sandy Silt	None
	IV	14-27	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
54	I	0-2	Black Brown Sandy Silt	None
	II	2-7	Dark Brown Sandy Silt	1 pc. amber bottle glass
	III	7-14	Light Brown Sandy Silt	None
	IV	14-27	Yellow Brown Sandy Silt	None
55	I	0-2	Black Brown Sandy Silt	None
	II	2-7	Dark Brown Sandy Silt	1 pc. clear bottle glass 1 pc. plastic 1 pc. coal (wt.: 2.4 g.)
	III	7-15	Light Brown Sandy Silt	1 pc. clear glass
	IV	15-25	Yellow Brown Sandy Silt	None
56	I	0-2	Black Brown Sandy Silt	None
	II	2-6	Dark Brown Sandy Silt	1 pc. clear bottle glass 1 pc. clear glass 1 pc. amber glass 1 pc. coal (wt.: 2.9 g.)
	III	6-13	Light Brown Sandy Silt	None
	IV	13-25	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
57	I	0-2	Black Brown Sandy Silt	None
	II	2-5	Dark Brown Sandy Silt	3 pc. clear bottle glass 3 pc. clear glass 5 pc. amber glass 2 beer bottle caps 3 pc. plastic
	III	5-11	Light Brown Sandy Silt	2 pc. roofing shingle-burned 4 pc. coal (wt.: 8.3 g.)
	IV	11-22	Reddish Brown Clayey Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
58	I	0-2	Black Brown Sandy Silt	None
	II	2-7	Dark Brown Sandy Silt	1 pc. clear bottle glass 3 pc. clear glass 8 pc. amber glass
	III	7-9	Light Brown Clayey Silt	None
	IV	9-21	Reddish Brown Clayey Silt	None
59	I	0-2	Black Brown Sandy Silt	39 pc. styrofoam
	II	2-8	Dark Brown Sandy Silt	4 pc. green glass 2 pc. clear bottle glass 3 pc. red glass 8 pc. amber glass 8 pc. coal (wt.7.8 g.)
	III	8-10	Light Brown Clayey Silt	1 pc. oyster shell (wt.: 5.7 g.)
	IV	10-23	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
60	I	0-2	Black Brown Sandy Silt	None
	II	2-8	Dark Brown Sandy Silt	3 pc. green glass 3 pc. clear bottle glass 3 pc. plaster 1 cigarette package 10 pc. newspaper
	III	8-10	Light Brown Clayey Silt	1 pc. clear glazed redware 6 pc. coal (wt.: 12.6 g.)
	IV	10-23	Yellow Brown Sandy Silt	None
61	I	0-2	Black Brown Sandy Silt	None
	II	2-8	Dark Brown Sandy Silt	5 pc. green glass 1 pc. clear bottle glass 3 pc. plastic 1 pc. salt glazed stoneware 3 pc. coal (wt.: 2.8 g.)
	III	8-11	Light Brown Clayey Silt	1 pc. misc. metal (wt.: 1.7 g.)
	IV	11-21	Yellow Brown Sandy Silt	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
62	I	0-2	Black Brown Sandy Silt	1 pc. green glass 2 pc. clear bottle glass 1 pc. misc. metal (wt.: 4.5 g.)
	II	2-6	Dark Brown Sandy Silt	3 pc. cellophane 2 pc. red glass 1 wire nail
	III	6-16	Light Brown Sandy Silt	5 pc. coal (wt.: 6.6 g.) 4 pc. slag (wt.: 3.4 g.)
	IV	16-22	Red Brown Clayey Silt with Sand	None
63	I	0-2	Black Brown Sandy Silt	5 pc. green glass 5 pc. clear bottle glass 3 pc. misc. metal (wt.: 14.4 g.) 2 pc. coal (wt.: 3.2 g.)
	II	2-7	Dark Brown Sandy Silt	4 pc. plastic 2 pc. green glass
	III	7-16	Light Brown Sandy Silt	3 pc. coal (wt.: 2.6 g.)
	IV	16-21	Red Brown Clayey Silt with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
64	I	0-2	Black Brown Sandy Silt	None
	II	2-8	Dark Brown Sandy Silt	2 pc. plastic 1 pc. clear glass 3 pc. amber glass
	III	8-15	Light Brown Sandy Silt	2 pc. slag (wt.: 1.7 g.)
	IV	15-21	Red Brown Clayey Silt with Sand	None
65	I	0-2	Black Brown Sandy Silt	9 pc. green glass 8 pc. clear bottle glass 3 metal screw 7 pc. coal (wt.: 8.2 g.)
	II	2-8	Dark Brown Sandy Silt	4 pc. cellophane 2 pc. plastic
	III	8-16	Light Brown Sandy Silt	None
	IV	16-22	Red Brown Clayey Silt with Sand	None
66	I	0-3	Black Brown Sandy Silt	1 pc. plastic
	II	3-8	Dark Brown Sandy Silt	2 pc. plastic 3 pc. clear glass 1 pc. charcoal (wt.: 1.3 g.)
	III	9-15	Light Brown Sandy Silt	2 pc. clear glass 1 iron bolt frag.
	IV	15-24	Red Brown Clayey Silt with Sand	None

Shovel Test	Stratum	Depth (inches)	Description	Cultural Materials
67	I	0-3	Black Brown Sandy Silt	None
	II	3-8	Dark Brown Sandy Silt	2 pc. red glass 1 pc. amber glass 1 pc. concrete (wt.: 6.5 g.)
	III	8-16	Light Brown Sandy Silt	1 pc. red brick (wt.: 9.3 g.)
	IV	16-25	Red Brown Clayey Silt with Sand	None
68	I	0-2	Black Brown Sandy Silt	None
	II	2-8	Dark Brown Sandy Silt	2 pc. green glass 4 pc. amber glass 2 pc. red brick (wt.: 7.9 g.) 1 ball point pen
	III	8-14	Light Brown Sandy Silt	None
	IV	14-25	Red Brown Clayey Silt with Sand	None
69	I	0-2	Black Brown Sandy Silt	None
	II	2-8	Dark Brown Sandy Silt	2 pc. plastic 4 pc. misc. metal (wt.: 5.6 g.) 1 metal wire frag. 1 pc. red brick (wt.: 37.8 g.)
	III	8-15	Light Brown Sandy Silt	None
	IV	15-26	Red Brown Clayey Silt with Sand	None

Excavation Unit A - Feature 1

Excavation Unit	Stratum	Depth (inches)	Description
A	I	0-4	Black Sandy Silt

Cultural Materials

1 pc. blue glass faceted bottle body fragment - small cylindrical shaped
1 pc. rounded bottle base and portion of body - body faceted, base 24. 62 mm. in diameter
4 pc. molded amber bottle glass - molded letter "T" on one piece
40 pc. rose tinted, molded bottle glass; seam visible on 12 pcs.
1 pc. rose tinted circular bottle neck and rounded lip - milk bottle
1 pc. rose tinted circular bottle neck and rounded lip - faceted; milk bottle
1 pc. rose tinted circular bottle neck and portion of rounded lip; molded trade mark on body: cow inside circle with words "TRADE MARK" above circle - milk bottle
1 pc. rose tinted circular bottle neck, rounded lip, and body fragment - milk bottle
1 pc. rose tinted bottle base with molded work "Quart" on one face; 80.9 mm. diameter of base
2 pc. rose tinted bottle base fragment
1 rose tinted bottle base and portion of faceted body - molded letter "B" in circle in center of base with smaller letters "TMC" in upper panel of B; letter/number/word at bottom of body: "E 4 EMPIRE"; mold attachment on base; base diameter: 80.9 mm.
1 rose tinted bottle base - molded letter "B" in circle in center of base with smaller letter "TMC" in upper panel of B; # 12 below the circle; base diameter: 80.9 mm.
1 rose tinted bottle base - molded letter "B" in circle in center of base; base diameter: 80.9 mm.
1 molded rose tinted body base fragment with words/letters "RTY
EN'S ED
MILK CO."; base diameter: 80.9 mm.
2 fragments clear glass, molded bottle base fragments
1 rose tinted bottle base and portion of faceted body; octagon shaped; base diameter: 54.3 mm. molded number "187" in center of base; hand blown bottle
1 rose tinted faceted bottle fragment, molded letters/words "D Milk" visible
1 rose tinted faceted bottle fragment, molded letters/words "S Co." visible
1 rose tinted faceted bottle fragment, molded letters "CONDE" visible
1 rose tinted faceted bottle fragment, molded letters/words "MARK"
ERTY over molded eagle atop ribbon with work "Brave" on ribbon visible
1 rose tinted faceted bottle fragment, molded letters "PR" visible
1 rose tinted faceted bottle fragment, molded word "COMPANY" visible
1 rose tinted faceted bottle fragment, molded letters "T" visible
1 rose tinted faceted bottle fragment, molded letters "R" visible

Excavation Unit A - Feature 1
Cultural Material from Stratum I - continued

2 rose tinted faceted bottle fragments, unidentified molded letters visible
1 rose tinted faceted bottle fragment, molded letters "YI" visible
1 rose tinted faceted bottle fragment, molded letters "DB" visible
1 rose tinted faceted bottle fragment, molded letters "MARK P" visible
11 pc. rose tinted rounded bottle lip and neck fragment - milk bottle fragment - seam visible and extends up neck and over rounded lip
1 pc. rose tinted bottle neck and lip fragment, molded letter "T" visible
10 pc. clear bottle glass fragments
1 pc. clear glass bottle neck fragment, mold seam visible
1 pc. clear glass fragment of a square shaped bottle with threaded top
1 pc. clear glass bottle fragment with words "Staten
New" visible
3 light blue glass beads - 10.9 mm. in diameter, stringing holes present
3 light blue glass beads - 7.52 mm. in diameter, stringing holes present
1 green tinted glass bottle fragment - neck and lip broken; mold seam visible, stylized floral design; base diameter 70.98 mm.; pontil mark on base; hand blown bottle
5 pc. clear lamp glass - body fragments
1 pc. clear molded bottle glass with molded letters/words "ompany"
Island" on face
1 clear glass, molded shot glass fragment - base and portion of body
1 clear glass, lip and body fragment of drinking glass
1 pc. clear glass bottle fragment with letters/words "RD NSED" visible, black tar-like substance on base of bottle
1 clear glass drinking glass base abd body fragment - base diameter: 62.42 mm.; mold attactment on base; hand blown
1 pc. blue green bottle molded bottle glass
4 pc. green tinted bottle glass - neck and lip fragment
1 pc. green tinted bottle glass - body fragment, words/letters/number "NT BOT
8" visible
1 circular piece of flat glass - green tinted with beveled circumference, 1.5 inches in diameter
1 glass eyeglass lens - 24,9 mm. in diameter, circular shaped except for small chip on edge
1 white milk glass molded cap
2 pc. plain unglazed redware - flower pot bases, hole in center of one base
7 pc. plain unglazed redware
1 pc. plain unglazed redware fragment - body and neck portion
3 pc. molded porcelain dish fragments, molded chevrons on back, gold hand painted floral design on front at lip
10 pc. molded transfer printed ironstone plate fragment (mendable) - molded scalloped shell plate edge with molded gold painted swirls on lip, rose and green colored transfer printed floral design below swirls, brown colored makers mark present on base - ribbon and floral wreath decoration with letters/numbers in wreath: "EST.B 1844". below the ribbon are the letters/words "The Goodwin Pottery Company
Semi-Porcelain" according to Kovel and Kovel (1986:73k) this mark was used by the Goodwin Pottery Company of East Liverpool, Ohio between 1893 and 1906.

Excavation Unit A - Feature 1
Cultural Material from Stratum I - continued

20 pc. plain, molded ironstone
2 fragments plain white ironstone tile fragment
1 copper washer
1 threaded light bulb fixture - small, tin
1 light bulb base cylindrical shaped with one end open and one end tapered with threaded opening - tin
1 tin funnel shaped bangle - rolled and folded metal sheet with openings at both ends
1 ballast with electrical contacts for floresent lamp
1 section electrical wire with white insulation
1 bottle cap - celluloid coating on cap top
3 bottle crown caps
20 pc. misc. metal - 78.9 grams
37 pc. hard shell clam wt.: 87.6 grams
1 pc. slag wt.: 1.5 grams
1 pc. coal wt.: 12.5 g. grams

Excavation Unit A - Feature 1 - continued

Excavation Unit	Stratum	Depth (inches)	Description	Cultural Material
	II	4-8	Medium Brown Sandy Silt	None
	III	8-10	Reddish Brown Clayey Silt	None

Trench 1 Profile - Deep Section

Trench Number	Stratum	Depth (inches)	Description
1	I	0-1	Black Brown Sandy Silt
	II	2-12	Reddish Brown Clayey Silt
	III	12-14	Black Brown Sandy Silt
	IV	14-17	Dark Brown Sandy Silt
	V	17-24	Medium Brown Sandy Silt
	VI	24-32	Light Tan Sandy Silt
	VII	32-38	Reddish Brown Sandy Silt with Pebbles
	VIII	38-50	Dark Reddish Brown with Pebbles
	IX	50-68	Reddish Brown Clayey Silt mottled with White Tan/Orange Silt and with rocks
	X	68-79	Reddish Brown Clayey Silt mottled with Orange Brown Clayey Silt
	XI	79-103	Red Brown and Gray White Clayey Silt
	XII	103-107	Orange Brown Clayey Silt with Sand

Trench 2 Profile - Deep Section

Trench Number	Stratum	Depth (inches)	Description
2	I	0-4	Black Brown Sandy Silt
	II	4-7	Dark Brown Sandy Silt
	III	7-25	Light Tan Sandy Silt
	IV	25-40	Reddish Brown Sandy Silt with Pebbles
	V	40-55	Dark Reddish Brown with Pebbles
	VI	55-68	Reddish Brown Clayey Silt mottled with White Tan/Orange Silt and with rocks

Trench 3 Profile - Deep Section

Trench Number	Stratum	Depth (inches)	Description
3	I	0-3	Black Brown Sandy Silt
	II	3-7	Dark Brown Sandy Silt
	III	7-22	Light Tan Sandy Silt
	IV	22-42	Reddish Brown Sandy Silt with Pebbles
	V	42-56	Dark Reddish Brown with Pebbles
	VI	56-65	Reddish Brown Clayey Silt mottled with White Tan/Orange Silt and with rocks

Trench 4 Profile - Typical Profile

Trench Number	Stratum	Depth (inches)	Description
4	I	0-3	Black Brown Sandy Silt
	II	3-6	Dark Brown Sandy Silt
	III	6-19	Light Tan Sandy Silt
	IV	19-38	Yellow Brown Sandy Silt

Trench 5 Profile - Typical Profile

Trench Number	Stratum	Depth (inches)	Description
5	I	0-3	Black Brown Sandy Silt
	II	3-8	Dark Brown Sandy Silt
	III	8-20	Light Tan Sandy Silt
	IV	20-40	Yellow Brown Clayey Silt

Trench 6 Profile - Typical Profile

Trench Number	Stratum	Depth (inches)	Description
6	I	0-3	Black Brown Sandy Silt
	II	3-7	Dark Brown Sandy Silt
	III	7-18	Light Tan Sandy Silt
	IV	18-36	Reddish Brown Clayey Silt

Trench 7 Profile - Typical Profile

Trench Number	Stratum	Depth (inches)	Description
7	I	0-3	Black Brown Sandy Silt
	II	3-9	Dark Brown Sandy Silt
	III	9-19	Light Tan Sandy Silt
	IV	19-39	Yellow Brown Clayey Silt

Trench 8 Profile - Deep Section Profile

Trench Number	Stratum	Depth (inches)	Description
8	I	0-8	Black Brown Sandy Silt
	II	8-14	Dark Brown Sandy Silt
	III	14-26	Medium Brown Sandy Silt
	IV	26-35	Light Tan Sandy Silt
	V	35-40	Reddish Brown Sandy Silt with Pebbles
	VI	40-65	Dark Reddish Brown with Pebbles
	VII	65-79	Reddish Brown Clayey Silt mottled with White Tan/Orange Silt and with rocks
	VIII	79-90	Reddish Brown Clayey Silt mottled with Orange Brown Clayey Silt
	IX	90-109	Red Brown and Gray White Clayey Silt
	X	109-120	Orange Brown Clayey Silt with Sand