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August 22, 2022 ***via email:*** ahamad@visionrep.com

Amer Hamad
WRV Nurseries LLC
1 Bloomfield Avenue
Mountain Lakes, NJ 07046

RE: **Preliminary Geotechnical Investigation Report**
Proposed Mixed-Use Development at Princeton Nurseries
South Brunswick Township and Plainsboro Township, New Jersey
SESI Project No. 12506

Dear Mr. Hamad:

In accordance with our Professional Service Agreement dated May 26, 2022, we have completed our preliminary geotechnical investigation for the above referenced site. This report contains a description of our investigation, an evaluation of the subsurface soil and groundwater characteristics and presents recommendations for general site preparation procedures and foundation design criteria for the proposed development.

If you have any questions, please call.

Sincerely,

SESI CONSULTING ENGINEERS

Jeffrey Van Grouw, E.I.T.
Assistant Project Engineer I

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SESI CONSULTING ENGINEERS

GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT

FOR

Proposed Mixed-Use Development at Princeton Nurseries
Nursery Road
South Brunswick Township and Plainsboro Township, NJ

PREPARED FOR:

WRV NURSERIES LLC
1 Bloomfield Avenue
Mountain Lakes, NJ 07046

PREPARED BY:

SESI CONSULTING ENGINEERS
959 Route 46E, 3rd Floor
Parsippany, NJ 07054

Job No.: 12506

DATE:
August 22, 2022

Jeffrey Van Grouw, E.I.T.

John M. Nederfield, PE
NJ Lic. No. 50000

INTRODUCTION AND PROPOSED CONSTRUCTION

This report presents the results of our preliminary geotechnical investigation for the proposed construction of a mixed-use development to be located in South Brunswick Township and Plainsboro Township, New Jersey. The proposed development will occupy Block 99 Lots 3.213, 8.041, and 14.04 in South Brunswick Township and Block 102 Lots 5 and 6 and Block 106 Lot 1 in Plainsboro Township. The proposed development occupies approximately 162 acres in South Brunswick Township and approximately 109 acres in Plainsboro Township. The overall site is bounded to the north by an undeveloped farm parcel with Ridge Road further beyond, to the east by US Route 1, to the south by Seminary Drive, and to the west by Barclay Square, a residential development.

The site currently consists of farmland with several wooded areas scattered throughout the site. A brook (Harry's Brook) bisects the site and runs in a northwest to southeast direction. An existing paved entrance with curbing leading into the Plainsboro portion of the site was observed along Seminary Drive. Some utility installations were also observed. Based on a review of historic aerial photography and published records, the site was previously occupied by an active farm. We understand that pesticides were used were used on the farm and will require remedial measures for approximately 32 acres of the South Brunswick portion of the project site. The remedial measures are discussed in greater detail later in this report.

Based on our review of *Conceptual Site Plan - SB* (CSP20) prepared by Russo Development, dated May 20, 2022, the northern portion of the proposed development, which is located in South Brunswick Township, will consist of four (4) flex storage buildings (Buildings A, C, D, and E), one (1) Data building (Building B), one (1) office building (Building F), and a 5-story parking structure, with six stormwater management basins, and associated parking and roadway areas. Building A will consist of a 111,250 square feet (SF) 2-story flex building, with 124 car parking spaces and 25 truck loading docks. Building B will consist of a 283,973 SF 2-story Data building with 92 car parking spaces and 3 truck loading docks. Building C will consist of a 155,601 SF one-story storage building with 386 car parking spaces, 48 truck loading docks, and 28 trailer parking spaces. Building D will consist of a 201,161 SF storage building with 390 car parking spaces, 45 truck loading docks, and 15 trailer parking spaces. Building E will consist of a 371,089 SF one-story storage building with 470 car parking spaces, and 68 truck loading docks. Building F will consist of a 449,774 SF 5-story office building (ground floor consisting of 92,006 SF and floors 2 through 5 consisting of 89,442 SF per floor) with 171 car parking spaces. The 5-story parking structure will have 1,252 parking spaces.

Based on our review of *Conceptual Site Plan* (CSP30) prepared by Russo Development, dated July 28, 2022, the southern portion of the proposed development, which is located in Plainsboro Township, will consist of the construction of eight (8) mixed use commercial buildings (Buildings A, B, C1, D1, D2, D3, E1, and E2), three (3) office buildings (Buildings C2, C3, and C4), a hotel/restaurant, and 950 residential units consisting of 374 for-sale residential units (21 single-family homes, 128 Type 1 stacked townhomes, 105 Type 2 conventional townhomes, 66 Type 3 conventional townhomes and 54 Type 1 triplex townhomes), 376 mixed residential units, and 200 age-restricted residential units (150 rentals and 50 for-sale) with associated outdoor recreational areas, parking lots and roadways. Building A will consist of 25,618 SF of retail, (71) 1-bedroom units, (86) 2-bedroom units, and (16) 3-bedroom units. Building B will consist of 29,770 SF of

retail, (66) 1-bedroom units, (79) 2-bedroom units, and (16) 3-bedroom units. Building C1 will consist of 11,563 SF of retail. Office Building C2 will consist of four (4) floors with 21,890 SF typical per floor. Office Building C3 will consist of four (4) floors with 6,909 SF typical per floor. Office Building C4 will consist of four (4) floors with 7,055 SF typical per floor. Buildings D1 and D2 will consist of 24,750 SF of combined retail and a combination of (8) 1-bedroom units, (25) 2-bedroom units, and (9) 3-bedroom units. Building D3 (Grocer) will consist of 22,718 SF. Buildings E1 and E2 will consist of 22,750 SF of combined retail. Building E2 will consist of four (4) floors with 40,500 SF typical per floor of assisted living/memory care. The hotel is noted to have 125 keys and will have an attached restaurant.

Based on a review of the *Topo and Soils Plan*, prepared by Van Note-Harvey Associates, Inc., dated January 10, 2018, the site topography generally slopes upwards to the northeast and southeast, away from Harry's Brook, which traverses in a northwest to southeast direction through the center of the project site. The elevations at the brook range from an approximate EL 72± in the northwest to approximate EL 84± in the southeast. The southwest portion of the site slopes upwards from a low EL 72± at the brook to a high EL of 124± in the south. The northeastern portion of the site slopes upward from a low EL 72 at the brook to a high EL 108± in the northeast portion of the site. The site also slopes downward to a low of EL 64± in the northwest corner of the site.

At the time this report was prepared, the final site grades, and final structure layout had not been determined. Once the final plans have been completed, we should be provided an opportunity to review the plans and loading conditions to confirm that our recommendations remain valid. For this report, SESI has assumed minimal cuts and fills will be required to reach the final site grades and has assumed typical column and floor loads based on the proposed construction.

PREVIOUS STUDIES

Melick-Tully and Associates, P.C. (Melick-Tully) previously completed three (3) geotechnical investigations within the site. The first and second investigations consisted of excavating twenty-four (24) test pits for the preliminary investigation and an additional seven (7) test pits for the final investigation, which are provided in the November 2007 and January 2008 reports. The test pits were located in the northern portion of the project site adjacent to Greenwood Avenue and Ridge Road. The test pits extended to depths ranging from 3 to 19± feet below the ground surface.

A third geotechnical investigation was performed by Melick-Tully and consisted of excavating nine (9) test pits in August 2008. The test pits were performed in the southeast portion of the project site along a proposed roadway connecting US Route 1 and College Road West. The test pits extended to depths ranging from 11 to 12± feet below the ground surface.

Based on a review of all the test pits logs, the surface materials encountered consisted of a layer of topsoil extending to approximately 6 to 20 inches, followed by silty and clayey sand and clayey silts with varying amounts of gravel and cobbles to the depths explored of 19 feet below the ground surface. Groundwater was encountered at elevations ranging from EL 63 to EL 76.

SOR Testing Laboratories, Inc. previously completed a Supplemental Geotechnical Investigation Report dated April 27, 2004 for a proposed bridge and loop road. The investigation consisted of excavating four (4) test pits along the future loop road alignment and bridge location. The test pits

extended to a depth of 8 to 13 feet below the ground surface. Two test pits were performed at the proposed bridge location. The test pit excavated on the western side of the stream encountered a 16 inch thick topsoil layer at the surface, followed by fill consisting of yellowish brown to reddish brown to gray silty sand with gravel, cobbles, trace roots, organics and wire to a depth of 7 feet, followed by gray to yellowish brown clayey silt and coarse to fine sand, some coarse to fine gravel that extended to the completion depth of 13 feet. Groundwater was noted at 3 to 5 feet below the ground surface. The test pit excavated on the eastern side of the stream encountered silty sand/sandy silt with cobbles and boulders to 6 feet followed by gravelly silty clayey sand to the completion depth of the test pit at 10 feet. Two test pits were excavated in the Loop Road area and encountered 5 to 8 inches of topsoil at the surface underlain by sandy silt/ silty sand with varying amounts of gravel to the completion depths of 8 feet. Groundwater seepage was encountered in TP-534 at a depth of 4 feet.

The test pit and boring logs and location plans performed for the previous investigations above are provided in **Appendix A**.

FIELD INVESTIGATION AND LABORATORY TESTING PROGRAM

Our engineering study consisted of a review of published geologic data, a review of previous investigations at the site, and a field investigation consisting of drilling seven (7) soil borings and excavating seventy-nine (79) test pits throughout the site. The borings were drilled to depths of up to 24± feet below the ground surface with an ATV-mounted drill rig utilizing mud rotary drilling techniques on July 25 and 26, 2022. The test pits were excavated to depths of up to 14± feet below the ground surface with a Link-Belt 145 excavator from July 13 to 19, 2022.

The location of the borings and test pits completed during our investigation and the previous investigations noted above, are shown on the *Exploration Location Plan*, which is included as **Figure 1**. Individual boring and test pit logs, which describe the materials encountered, are presented as **Figure 2** through **Figure 92**. A key to soil terminology is included as **Figure 93.**

All field work was performed under the direct technical observation of a geotechnical engineer from SESI Consulting Engineers. Our representatives located the borings and test pits in the field, maintained continuous logs of the explorations as work proceeded, and coordinated the soil sampling operations in order to develop the required subsurface information. The boring and test pit locations were located in the field by GPS. The boring and test pit locations were cleared by the New Jersey One-Call mark-out system prior to the investigation to reduce the risk of encountering buried utilities. Ground surface elevations were interpolated from the topographical information provided on the *Topo and Soils Plan*, prepared by Van Note-Harvey Associates, Inc., dated January 10, 2018.

Soil samples suitable for identification purposes were extracted from the borings at closely spaced intervals in accordance with the Standard Penetration Test (ASTM D1586-11). For this test, a standard split-spoon sampler (2 inches outside diameter, one and three-eighths inches inside diameter) is driven into the soil by a 140-pound weight falling 30 inches. After discounting the initial 6 inches of penetration due to possible disturbance of the material resulting from the drilling operation, the number of blows required to advance the sampler through 2 additional 6-inch intervals (a total distance of 12 inches) is recorded and designated as the standard penetration resistance or “N” value. The “N” value is an indication of the relative compactness of the in-situ

soil. Soil samples suitable for identification purposed were extracted from the test pit excavations at various depths.

All soil samples were taken to our soils laboratory for classification and appropriate geotechnical testing. Laboratory testing consisted of seven (7) mechanical grain size analysis, seven (7) percent passing sieve No. 200 tests, and six (6) moisture content determinations. The results of the percent passing sieve No. 200 tests and the moisture content determinations are presented on the individual boring and test pit logs. The results of the mechanical grain size analyses are presented on the individual boring and test pit logs and in graphical form as **Figure 94** through **Figure 100**.

GENERALIZED SUBSURFACE CONDITIONS

According to the *Rutgers University Engineering Soil Survey of New Jersey* by Franklyn C. Rogers et.al., the site is situated within the Pensauken formation with material deposited during the Quaternary period. These deposits generally consist of assorted, relatively homogeneous material composed of stratified silt and sand, with varying amounts of intermixed gravel. A central portion of the project site bordering Harry's Brook is noted as recent alluvium composed of stream deposits. These deposits typically range in size from clay and silt to sand and gravel. Both of these area deposits are underlain by rock that is typically greater than ten feet below the existing ground surface. The rock is mapped as sandstone and shale.

The natural soils encountered in our exploration generally agreed with the published geological records. The following generalized strata are listed in the order of increasing depth.

Surface Materials: The test pits and borings encountered a layer of tilled soil at the surface of the farm fields, with thicknesses ranging from 6 to 24 inches, which consists of light brown clayey silt, some coarse to fine sand, little coarse to fine gravel with trace organics. The test pits and borings, performed in the wooded areas, encountered topsoil at the surface with thicknesses ranging from 12 to 24 inches.

Fill: Uncontrolled fill was encountered below the surface materials in borings B-3 and B-7 and test pit TP-15 to a depth of 2 feet below the ground surface and consisted of brown coarse to fine sand, some coarse to fine gravel, little silt. In boring B-3 and test pit TP-15, a geofabric was observed below the fill materials. In test pits TP-59, uncontrolled fill, 3.4-inch stone and geogrid were observed at the rear of the test pit excavation to a depth of approximately 2.5 feet below the ground surface.

Natural Soils: Stratified layers of silts and sands with gravel were encountered beneath the topsoil and tilled soil in all of the borings and test pits. The granular soils consist of brown/red-brown/gray coarse to fine sand with varying amounts of silt and gravel. The fine-grained soils consist of gray/brown silt with varying amounts of sand and gravel. Occasional layers of gravel with varying amounts of sand and silt were also observed within the natural soil strata. Boulders and cobbles were encountered at varying depths within the natural soil stratum. The natural soils extend to the completion depths of the borings and test pits which ranged from approximately 10± to 24± feet below the ground surface. Based on the blow counts obtained from the borings and the bucket resistance and sidewall stability of the test pits, the granular materials were generally found to be in a medium dense to very dense condition and the fine-grained materials were generally found to be in a medium stiff to stiff condition.

Refusal: Split spoon refusal was encountered in borings B-1, B-2, B-3 and B-7 on possible bedrock at depths ranging from 22 to 23.8± feet below the ground surface, which correlates to EL 94.2 to EL 100±. Excavator refusal was encountered in test pits TP-2, TP-30, TP-33, TP-37 and TP-60 on possible bedrock at depth ranging from 10 to 12± feet below the ground surface, which corelates to EL 90 to EL 100. Test pit TP-37 was noted to encounter refusal on boulders. It should be noted that it was difficult to determine whether the refusal was due to encountering boulders or bedrock. Additional borings with rock core could be performed if necessary.

Groundwater: Groundwater was not observed in any of the borings or in the majority of the test pits during the short period of time that the holes were left open. Groundwater was observed in test pits TP-29, TP-32, TP-33, and TP-35 at depths ranging from approximately 10 to 12.5± feet below the ground surface, which correlates to elevations ranging from EL 89 to 94.5±. It should be noted that some of the site soils have discoloration and appear to be mottled; however, it may not be an indication of the seasonal high groundwater levels where observed at shallow depths, but rather an indication of perched/trapped water conditions.

EVALUATION AND RECOMMENDATIONS

The recommended building area preparation procedures and support considerations discussed in this report are based on our geotechnical subsurface investigation and geotechnical engineering considerations. Our geotechnical design considerations may require modifications to address environmental and/or legal considerations. This may include reuse of on-site materials, handling and disposal of soils, pumping/treating of groundwater, etc.

We researched and reviewed the preliminary FEMA Flood Insurance Rate Map (FIRM), Community Panel Number 34023C0226F (published by FEMA on July 6, 2010). The map indicates the Site is within Zone X, which indicates an area of minimal flood hazard.

General

From a soils and foundation standpoint, this Site can be considered good with respect to providing satisfactory support of the planned building. Based on the results of our study, it is our opinion that the natural soils underlying the topsoil and tilled soil are suitable for support of the proposed structures on conventional spread foundations with a slab on grade. The primary negative aspects of the subsurface conditions are the relatively high silt content of some of the site soils, making them moisture sensitive. Uncontrolled fills were encountered during our investigation in borings B-3 and B-7 and in test pits TP-15 and TP-59 to depths ranging from 1.5 to 2.5 feet below the ground surface. If any uncontrolled fill is encountered in the proposed building area, it should be removed and replaced. All footings must be founded on the natural soils or on a controlled compacted fill.

SITE PREPARATION PROCEDURES

General

In general, the site preparation procedures should consist of clearing the trees, stripping the surface vegetation and topsoil and removing and replacing the uncontrolled fill, if encountered from within the proposed building areas and then cutting and filling the site to grade. Depending on the final site grades, it may be possible to leave the tilled surface soils in-place after proofrolling

and further evaluation by SESI. The tilled soils can be reused as structural fill; however, these soils possess a high silt/clay content and will rut and weave when over optimum moisture content. Therefore, we strongly recommend that these soils be kept a minimum of 2 feet below the building slab or footing subgrades. In order to reuse these materials, it may be necessary to treat the tilled soils with lime/cement to achieve the required moisture contents and densities.

Prior to placing any fill material in areas requiring fills to achieve the proposed subgrade elevation, the entire area should be graded level and proofrolled with a large vibratory roller (minimum 10-ton static drum weight) under the observation of a qualified geotechnical engineer. The proofrolling operation should consist of making a minimum of 4 complete coverages of the area. Any soft areas disclosed during the proofrolling should be excavated to stable material and backfilled with suitable material in compacted lifts in accordance with the Fill Placement section of this report. The compaction/proofrolling operations should be inspected by a qualified soils engineer. After completion of the proofrolling operations, the construction of the controlled fills and building foundation elements can commence. Uncontrolled fill soils that are encountered outside of the building areas should be proofrolled and evaluated by a qualified geotechnical engineer to determine if they need to be removed and replaced with a controlled compacted fill or can remain in place.

Soil Blending

We understand that an approximately 32-acre portion of the property requires remediation due to an insecticide (Dieldrin) that was previously used for agricultural purposes. The delineation of the contaminated area is shown on the *Sample Location Map* prepared by EcolSciences, Inc., dated 6/16/22 and is provided in **Appendix B**. In order to dilute the contamination levels in these areas, an excavation and blending of the upper 3 to 4 feet is recommended by EcolSciences. We recommend using dozers and large excavators to excavate and blend to the required depth determined by the environmental engineer. After the excavation and blending is complete, these soils should be placed in compacted lifts in accordance with the Fill Placement procedures outlined in this report.

Fill Placement

Controlled fill, when required, should be placed in maximum 12-inch-thick lifts, with each layer compacted to the required density using a large vibratory roller (minimum 10-ton static drum weight). In areas not accessible by the large vibratory roller, smaller compaction equipment (i.e. a double drum walk-behind vibratory roller) may be used. The use of smaller compaction equipment may require a thinner lift thickness and/or an increase in the number of equipment passes to achieve the required compaction. Building area fills should be compacted to a minimum of 92 percent with an average of greater than 95 percent of the Modified Proctor density (ASTM D 1557). Areas which will not have any foundations, pavement or other structural loads may be compacted to a minimum of 90 percent of the maximum Modified Proctor density (ASTM D 1557).

The fill materials may be obtained from suitable excavated existing soils or from off-site borrow. While we anticipate that a majority of the existing onsite soils are reusable, the excavated materials should be segregated to isolate reusable materials from those that need to be disposed. All wood, metal or otherwise decomposable materials should be removed from the fill soil prior to reuse within the compacted fill. It should be noted that some of the onsite soils contain high percentages of silt/clay and are highly moisture sensitive, and once wet, will require drying time

or modification before reuse. Some of these soils are also over-optimum moisture content in their present condition and will require drying time prior to their reuse.

Offsite borrow material, if required, should have a maximum particle size of three (3) inches and the maximum amount of fines (percentage passing a No. 200 mesh sieve) should be 15% to help facilitate construction during wet weather. The "fines" should be non-plastic.

Backfill in confined areas such as utility trenches and foundations within load bearing or paved areas should be placed in maximum 6-inch-thick layers and compacted to a minimum of 92 percent and an average of greater than 95 percent density.

The subgrade should be graded to drain and tight-rolled at the end of the day, particularly if wet weather is anticipated. If stormwater seepage is encountered during construction, gravel filled sumps with pumps should be installed below the subgrade elevation to allow for dewatering of the excavation.

Slopes and Excavations

All temporary excavations greater than 4 feet in depth should have the sides sloped back or be appropriately sheeted and braced in accordance with OSHA requirements, including but not limited to, temporary shoring, trench boxes and benching and be evaluated by a qualified geotechnical engineer.

Utility Lines

The site soils will provide suitable support for the proposed utility lines. Cobbles greater than four (4) inches in diameter should be removed from the utility line subgrade or a minimum 4-inch thick sand layer placed beneath the utility lines. If the bottom of the excavation for any utility line falls within soft soils, the excavation should be extended an additional 12 inches and replaced with ¾-inch clean crushed stone or clean sand and gravel.

Backfill material placed around utility lines to six (6) inches above the utility line should have a maximum particle size of 1.5 inches. Backfill of utility trenches that fall within load-bearing areas should be placed in maximum 6-inch-thick lifts and compacted to the same density requirements as in the building/parking areas. Trench backfill in non-load-bearing areas should be compacted to 90 percent of Modified Proctor density (ASTM D1557).

Control of Groundwater

Groundwater was encountered in test pits TP-29, TP-32, TP-33 and TP-35 at depths ranging from 10 to 12.5 feet below the ground surface. The remaining test pits and borings did not encountered groundwater. If the final building grades indicate groundwater could be at or near the lowest floor grade, additional investigations including groundwater monitoring wells could be warranted.

If stormwater runoff or groundwater seepage is encountered during construction, gravel filled sumps with pumps should be installed below the subgrade elevation to allow for dewatering of the excavation.

Retaining Walls

If retaining walls are required to reach the anticipated final site grades, the retaining wall leveling coarse subgrade may be placed on the natural inorganic soil or controlled compacted fill. The retaining wall foundation and backfill material should be placed in accordance with the design specifications. Retaining wall backfill should consist of a free-draining granular material with less than 15 percent non-plastic fines. The maximum particle size for the retaining wall backfill should be 3 inches or as specified by the design engineer. Retaining wall backfill should be placed in maximum 8-inch lifts and compacted with hand-operated compactors to achieve 95 percent of the Modified Proctor density (ASTM D1557). All retaining walls should be provided with positive drainage behind the wall to preclude hydrostatic pressures from developing.

The backfill material for the wall must meet the design specifications. The proposed retaining walls should be designed by a licensed New Jersey Professional Engineer. SESI can provide the retaining wall engineering design services, if required.

FOUNDATION DESIGN CRITERIA

After satisfactory completion of the site preparation procedures described above, conventional spread/strip footings may be constructed within the medium dense to very dense sand deposits, the medium stiff to very stiff silt deposits and/or the controlled compacted fill. Foundations bearing within the natural soils and/or controlled compacted fill can be designed for a maximum net allowable soil bearing pressure of 4,000 pounds per square foot (psf). The minimum footing widths for continuous wall footings shall be no less than 24 inches and column foundations should be no less than 36 inches.

Exterior footings and footings in unheated portions of the building potentially exposed to frost action, should be founded a minimum of 3.0 feet below adjacent grade or as required by the local building code. Interior footings within heated building areas may be founded at conventional depths below the slab provided they are placed on the natural soils or controlled compacted fill.

We recommend that a minimum 6-inch-thick layer of sand and gravel, dense graded aggregate (DGA), ¾-inch clean crushed stone, or recycled concrete aggregate (RCA) be placed beneath the floor slab. The material should have a maximum particle size of 1.5 inches and a maximum of 12 percent non-plastic fines (percent passing a number 200 mesh sieve). The subgrade modulus for floor slab design may be 175 pci assuming that a minimum 6-inch layer of granular material is placed beneath the slab.

Some of the site soils contain high percentages of silt and are moisture sensitive, they will readily degrade under construction traffic and if left open to the weather. Excavations should therefore be left open for as short a time as practical to avoid excessive disturbance to the exposed subgrade. Should the bottom of an excavation become softened during construction, the soft material should be excavated and replaced with ¾-inch clean crushed stone. We recommend that all footings that are founded in the predominantly fine grained soils be over-excavated a minimum of six (6) inches and replaced with a minimum of 6 inches of ¾-inch clean crushed stone. The stone will provide a stable working mat and a medium through which to pump stormwater runoff. If water is encountered, it should be controlled locally with gravel-filled sumps.

All foundation walls should be provided with positive drainage behind the wall to preclude hydrostatic pressures from developing.

After satisfactory completion of the outlined building area preparation procedures, footings and floor slabs founded on the natural soils or compacted fills should have post-construction settlements less than 1-inch with less than ½-inch differential settlement over a 30-foot span.

Seismic Design

In accordance with ASCE 7-16 and the IBC 2018 – New Jersey edition, Seismic Site Class D can be used for seismic design purposes. Based on a structural occupancy/risk category of II/III and information provided by the American Society of Civil Engineers, the following seismic design criteria should be used for the site:

Mapped Spectral Response Acceleration for Short Periods	S_S = 0.234g
Mapped Spectral Response Acceleration for 1-Second Period	S_1 = 0.053g
Site Coefficient	F_a = 1.6
Site Coefficient	F_v = 2.4
Spectral Response for short periods	S_{MS} = 0.375g
Spectral Response for 1 second period	S_{M1} = 0.128g
Design Spectral Response Acceleration for Short Periods	S_{DS} = 0.25g
Design Spectral Response Accelerations for 1-Second Period	S_{D1} = 0.085g

A summary of recommended soil design parameters is included in **Table 1**.

PAVEMENT AREAS

After stripping the surface materials, the parking lot/roadway area subgrade should be proofrolled using a large vibratory roller (minimum 10-ton static weight). The proofrolling should consist of making 4 complete coverages of the area. If any soft areas are encountered during the proofrolling, they should be excavated to stable material and replaced with a controlled compacted fill. Visual observations and in-place field density tests should be made to determine the adequacy of the compaction. The proofrolling should be inspected by a qualified geotechnical engineer prior to placing any compacted fill.

Upon completion of the stripping/excavation/proofrolling operations, the fill required to attain finished subgrade elevation should be placed in lifts and compacted with the same or similar compactor as used for the proofrolling. The fill materials may be obtained from the existing inorganic onsite soils, or from offsite borrow.

It should be noted that some of the soils are moisture sensitive and possess a high silt/clay content and will rut and weave under construction equipment when they become over optimum moisture content. The upper tilled soils are also highly moisture sensitive. Therefore, we recommend that these soils be kept a minimum of 2 feet below the pavement subgrade, if possible. These soils could also be treated with lime/cement to achieve the required moisture contents and densities. A triaxial geogrid could also be used to bridge the marginal soils and/or reduce the pavement section.

If offsite borrow material is required, it should have a maximum particle size of 6 inches and the maximum amount of fines (percentages passing a No. 200 mesh sieve) should be 15% to help facilitate construction during wet weather. The “fines” should be non-plastic.

The thickness of the individual lifts of soil should be limited to 12 inches. The fill should be compacted using a large vibratory roller to achieve a minimum dry density of 92 percent and an average density of greater than 95 percent of Modified Proctor density as determined from laboratory test ASTM D 1557, except in the uppermost 2 feet, where a minimum of 95 percent is required to provide suitable pavement support. Visual observations and in-place field density tests should be made to determine the adequacy of the compaction. Wetting or drying of the fill material should be accomplished as necessary to achieve the required density.

PAVEMENT DESIGN CRITERIA

We estimate that the subgrade soils will have a conservative CBR (California Bearing Ratio) value on the order of 8 to 10 percent. We should inspect the pavement subgrade prior to the placement of the pavement section in order to determine if it is in accordance with our estimated design criteria. The pavement subgrade soils should be compacted to an unyielding condition and within ±2 percent of optimum moisture to achieve 95 percent of Modified Proctor density (ASTM D 1557).

TESTING REQUIREMENTS

During the placement of all fills, visual observations and in-place density tests shall be performed to determine the adequacy of the compacted fill. In-place density testing shall be conducted in accordance with appropriate ASTM testing standards for all building pad, parking, and roadway subgrade fills. Additionally, SESI recommends utility trench and footing backfill compaction be visually observed, and in-place density tests be performed, where deemed necessary, by the geotechnical engineer. Density testing should be done in accordance with the following minimum frequency requirements; or as determined by the geotechnical engineer.

Building Pad Subgrade Areas: Minimum of 4 tests per 12-inch lift; spacing not to exceed 50 feet between test locations.

Parking/Roadway Areas: Minimum of 3 tests per 12-inch lift; spacing not to exceed 100 feet between test locations.

Utility Trenches: Minimum of 1 test per 6-inch lift; spacing not to exceed 50 feet between test locations.

Minimum density requirements are outlined in the Fill Placement section of this report. Density tests shall not be performed in area deemed unsafe for entry such as excavations not meeting OSHA safe excavation requirements.

INSPECTION

The recommendations presented in the previous sections of this report assume that the site preparation procedures will be done under engineering inspection by a representative of SESI. SESI should inspect the proofrolling of the subgrade, evaluation of the tilled soils, the installation of utilities, the removal of uncontrolled fill, where encountered, the placement of the compacted fill, the blending and replacement of the remediated soils, the bottom of the footing excavations prior to the placement of concrete and/or stone, the pavement subgrade, and the placement of

asphalt pavement. Visual observations and in-place density testing should be done throughout fill construction to determine that the work is done in accordance with our recommendations.

ADDITIONAL INVESTIGATIONS

This preliminary geotechnical report is based on the proposed building information provided on the *Conceptual Site Plan - SB* (CSP20) and *Conceptual Site Plan* (CSP30). SESI should be provided with the final Site and Grading Plans upon completion in order to review the validity of this report as it pertains to the updated plans.

Further geotechnical investigations should consist of the excavation of test pits, drilling of borings with potentially rock cores and the installation of groundwater monitoring wells, if necessary.

LIMITATIONS

The subsurface investigation performed identifies the subsurface conditions only at the locations of the explorations and at the depths where the samples were taken. SESI Consulting Engineers reviews the published geologic data and the field and laboratory data and uses their professional judgment and experience to render an opinion on the subsurface conditions throughout the site. Because the actual subsurface conditions may differ, we recommend that SESI be retained to provide construction inspection in order to minimize the risks associated with unanticipated conditions.

This report should not be used:

1. When the nature of the proposed buildings is changed;
2. When the size or configuration of the proposed buildings is altered;
3. When the location or orientation of the proposed buildings is modified;
4. When there is a change in ownership; or
5. For application to an adjacent or any other site.

SESI shall not accept any responsibility for problems, which may occur if SESI is not consulted when there are changes to the factors considered in this report's development. The soil logs should not be separated from the Engineering Report in order to minimize the possibility of soil log misinterpretation.

DISCLAIMER

This Report was prepared by SESI for the sole and exclusive use of WRV Nurseries LLC. Nothing under the Professional Services Agreement between SESI and its Client, WRV Nurseries LLC, shall be construed to give any rights or benefits to anyone other than Client and SESI, and all duties and responsibilities undertaken pursuant to the Agreement will be for the sole and exclusive benefit of Client and SESI and not for the benefit of any other party. This Report has been prepared and issued subject to the express condition that same is not to be disseminated to anyone other than Client, without the advance written consent of SESI (which SESI, in its sole discretion, is free to grant or withhold). Use of the Report by any other person is unauthorized and such use is at the sole risk of the user.

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TABLE 1

SUMMARY OF SOIL DESIGN PARAMETERS

	PARAMETER	VALUE
1.	Allowable Bearing Capacity (net)	
	Natural soils/improved or compacted fills	4,000psf
2.	Total Unit Weight	125 pcf
3.	Angle of Internal Friction -	32 degrees
	Backfill against Structures	
4.	Earth Pressure Coefficients (See Note 1)	
	Active Earth Pressure (Ka)	0.31
	Earth Pressure @ Rest (Ko)	0.47
	Passive Earth Pressure (Kp)	3.25
4.	Coefficient of Sliding (concrete over soil)	0.45
5.	Subgrade Modulus for Floor Slab Design	
	Granular Fill (after Controlled fill Placement)	175 pci
6.	Slopes (above groundwater)	
	Maximum Cut Slope in Soil	2.0 H:1V
	Maximum Fill Slope in Soil	2.0 H:1V
7.	Seismic Design Criteria- Site Class	D
8.	Minimum Footing Depth (exterior footings)	3.0 feet

Notes:

1.) A drainage medium should be installed along all retaining walls to avoid hydrostatic pressures from developing.

2.) Compaction equipment used within 5± feet of permanent walls should not weigh more than 5,000 pounds.

3.) Recommended slopes in #7 above do not consider surcharge loading above. Any slopes greater than 15 feet high and/or have surcharge loading should be further evaluated by a geotechnical engineer.

NOTE:
THIS PLAN IS FOR LOCATING BORINGS AND TEST PITS ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE:
1. PROPOSED CONDITIONS TAKEN FROM "CONCEPTUAL SITE PLAN 20" DATED 05/20/22 AND "CONCEPTUAL SITE PLAN 30" DATED 07/28/22 PREPARED BY RUSSO DEVELOPMENT.
2. AERIAL PHOTOGRAPHY TAKEN FROM 2022 MICROSOFT/BING CORP. 2022 MAXAR, CNES (2022) DISTRIBUTION AIRBUS DS AERIAL IMAGING.

LEGEND:

TP-1	-	APPROXIMATE LOCATION AND NUMBER OF TEST PIT
B-3	-	APPROXIMATE LOCATION AND NUMBER OF BORING
(2')	-	APPROXIMATE DEPTH TO BOTTOM OF FILL
TP-523	-	SOR TESTING LABS, INC. TEST PITS, APRIL 2004
TP-1	-	MELLICK TULLEY, ASSOCIATES TEST PITS, NOVEMBER 2007
TP-4	-	MELLICK TULLEY, ASSOCIATES TEST PITS, AUGUST 2008
TP-28	-	MELLICK TULLEY, ASSOCIATES TEST PITS, JANUARY 2008
B	-	BUILDING NUMBERS

SCALE: 1"=500'

0 500 1,000

SESI CONSULTING ENGINEERS
CERT. OF AUTH. # 24GA27934700
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: AW
chk by: JN
scale: AS NOTED
date: 08/18/2022

project:
PROPOSED MIXED-USE DEVELOPMENT AT PRINCETON NURSERIES
ROUTE 1
PLAINSBORO & SOUTH BRUNSWICK TOWNSHIP, NEW JERSEY

title:
EXPLORATION LOCATION PLAN

job no: 12506
drawing no:

FIG-1

1 of 1

N:\ACAD\12506\EMAIL_OUT\12506_TEST PIT LOCATION PLAN.DWG 08/22/22 07:03:26PM, randy.nutakor, LAYOUT:LAYOUT1

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-1	Client:	WRV Nurseries
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	122.0±

Date Started:	July 26, 2022	Date Completed:	July 26, 2022	Boring Location Offset:	NA
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Part Cloudy / Temperature: 80°F
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8
Casing Dia.:	4 Inches	Casing Depth:	5 Feet	Auger Diameter:	OD: Inches / ID: Inches

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/28/2022		22±	5±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	4	4	8	Light brown medium to fine SAND, little Silt with trace organics (6-inch			15''	
		4	4		tilled soil)				
S-2	2-4'	5	4	10	Red-brown/orange-brown Clayey SILT, some medium to fine Gravel, little			19''	
		6	6		coarse to fine Sand				
S-3	4-6'	5	6	12	Red-brown/orange-brown coarse to fine Sand, some Silt, some medium to fine Gravel	5		20''	
		6	7		(-200) = 27.1% W.C. = 13.2%				
S-4	6-8'	5	9	15	Red-brown/orange-brown Clayey SILT, some medium to fine Gravel, little			10''	
		6	7		coarse to fine Sand				
S-5	8-10'	6	6	12	Yellow-brown Clayey SILT, little coarse to fine Sand, trace Gravel			16''	
		6	7			10			
S-6	10-12'	2	4	10	Yellow-brown Clayey SILT, little coarse to fine Sand			19''	
		6	8						
						15			
S-7	15-17'	4	7	18	Yellow-brown Clayey SILT, trace Gravel			20''	
		11	14		W.C. = 32.1%				
						20			
S-8	20-21.8'	12	23	56	Dark-brown/black coarse to fine Sand, and fine Gravel, little Clayey Silt			21''	Spoon bouncing
		33	50/4"						
S-9	22-22'	50/0"	-	-	BORING COMPLETED AT 22± FEET			0''	Spoon bouncing, no recovery
		-	-		DUE TO SPLIT SPOON REFUSAL				
						25			
						30			

Figure No.: 2

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-2	Client:	WRV Nurseries
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	118.0±

Date Started:	July 26, 2022	Date Completed:	July 26, 2022	Boring Location Offset:	NA
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Cloudy / Temperature: 84°F
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8
Casing Dia.:	4 Inches	Casing Depth:	5 Feet	Auger Diameter:	OD: Inches / ID: Inches

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/26/2022		23.8±	5±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	6	4	10	Light brown medium to fine SAND, little Silt with trace organics (6-inch			20''	
		6	5		tilled soil)				
S-2	2-4'	10	6	17	Red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt			16''	
		11	8						
						5			
S-3	5-7'	2	4	10	Yellow-brown/red-brown Clayey SILT, little coarse to fine Sand			18''	
		6	7						
S-4	7-9'	6	6	16	Same as above, orange-brown			16''	
		10	8						
						10			
S-5	10-12'	3	6	15	Same as above			17''	
		9	9						
						15			
S-6	15-17'	4	8	18	Same as above			17''	
		10	8						
						20			
S-7	20-22'	6	11	23	Yellow-brown/brown/dark gray coarse to fine Gravel, and Silt, some coarse to fine Sand			15''	
		12	10		(-200) = 39.4% W.C. = 31.2%				
S-9	22-23.8'	12	10	47	Dark gray/dark brown Clayey SILT, little medium to fine Gravel, little coarse to			16''	
		37	50/3"		fine Sand				
					BORING COMPLETED AT 23.8± FEET	25			
					DUE TO SPLIT SPOON REFUSAL				
						30			

Figure No.: 3

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-3	Client:	WRV Nurseries
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	119.0±

Date Started:	July 26, 2022	Date Completed:	July 26, 2022	Boring Location Offset:	NA
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Part Cloudy / Temperature: 72°F
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8
Casing Dia.:	4 Inches	Casing Depth:	5 Feet	Auger Diameter:	OD: Inches / ID: Inches

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/26/2022		22±	5±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	12	23	36	Fill: Gray/brown coarse to fine GRAVEL, some coarse to fine Sand, little			12''	
		13	10		Clayey Silt, with Geofabric				
S-2	2-4'	8	5	12	Brown coarse to fine Gravel, and Silt, some coarse to fine Sand			12''	
		7	6		(-200) = 45.1% W.C. = 12.7%				
S-3	4-6'	6	6	13	Orange-brown/red-brown Clayey SILT, little medium to fine Sand	5		11''	
		7	3						
S-4	6-8'	2	3	6	Dark brown Clayey SILT, little coarse to fine Sand, trace Gravel			18''	
		3	4						
S-5	8-10'	3	4	8	Same as above			15''	
		4	4			10			
S-6	10-12'	2	5	9	Same as above			18''	
		4	4						
						15			
S-7	15-15'	50/0"	-	-	... Cobbles and Boulders			0''	No recovery
		-	-						Boulders from 15-20'
						20			
S-8	20-20.25'	50/3"	-	-	Dark gray coarse to fine GRAVEL, little coarse to fine Sand, little Silt			2''	Spoon bouncing
		-	-						
S-9	22-22'	50/0"	-	-	BORING COMPLETED AT 22± FEET			0''	Spoon bouncing, no recovery
		-	-		DUE TO SPLIT SPOON REFUSAL				
						25			
						30			

Figure No.: 4

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-4	Client:	WRV Nurseries
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	118.0±

Date Started:	July 25, 2022	Date Completed:	July 25, 2022	Boring Location Offset:	NA
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Cloudy, Windy
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8
Casing Dia.:	4 Inches	Casing Depth:	10 Feet	Auger Diameter:	OD: Inches / ID: Inches

Temperature: 94°F

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/25/2022		24±	10±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	11	13	25	Brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel			21''	
		12	11		(6-inch topsoil)				
S-2	2-4'	5	7	17	Same as above			18''	
		10	10						
S-3	4-6'	18	29	43	Brown medium to fine Gravel, some coarse to fine Sand, some Silt	5		3''	
		14	12		(-200) = 28.4% W.C. = 11.6%				
S-4	6-8'	8	10	19	Yellow-brown/orange-brown coarse to fine SAND, some coarse to fine Gravel,			14''	
		9	9		little Clayey Silt with Cobbles				Rig chatter from 7 to 10ft
S-5	8-10'	49	19	33	Same as above			10''	
		14	13			10			
S-6	10-12'	6	7	15	Yellow-brown/black coarse to fine SAND, little medium to fine Gravel, little			12''	
		8	7		Clayey Silt				
					Dark brown/black coarse to fine Sand, and Clayey Silt, trace Gravel with				Rig chatter from 12 to 14ft
					Cobbles				
						15			
S-7	15-17'	8	9	18	Yellow-brown/red-brown/dark brown coarse to fine SAND, some coarse to			11''	
		9	6		fine Gravel, some Clayey Silt with Cobbles				Rig chatter from 16 to 18ft
						20			
S-8	20-22'	12	11	21	Yellow-brown/red-brown/dark brown coarse to fine Sand, and Clayey Silt,			21''	
		10	13		trace Gravel				
S-9	22-24'	10	11	23	Yellow-brown/red-brown/dark brown Clayey SILT, little coarse to fine Gravel,			23''	
		12	11		little coarse to fine Sand				
					BORING COMPLETED AT 24± FEET	25			
						30			

Figure No.: 5

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-5	Client:	WRV Nurseries		
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo		
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	95.0±		
Date Started:	July 25, 2022	Date Completed:	July 25, 2022	Boring Location Offset:	NA		
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Cloudy, Windy	Temperature:	88°F
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8		
Casing Dia.:	4 Inches	Casing Depth:	15 Feet	Auger Diameter:	OD: Inches	ID: Inches	

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)					
Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter			
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other		
Core Barrel:		Core Bit:			
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip	
Weight:	140 lbs.	Drop Height: 30 Inches			

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/25/2022		24±	15±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	6	4	10	Brown medium to fine SAND, little Silt, trace Gravel with trace organics			20''	
		6	4		(12-inch tilled soil)				
S-2	2-4'	6	7	16	Brown/light brown coarse to fine SAND, some coarse to fine Gravel, little			16''	
		9	7		Clayey Silt				
S-3	4-6'	9	7	16	Brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Silt	5		19''	
		9	8		(-200) = 14.1% W.C. = 6.5%				
S-4	6-8'	8	12	25	Yellow-brown/brown medium to fine Gravel, and coarse to fine Sand, some			5''	
		13	12		Clayey Silt				
S-5	8-10'	12	8	18	Yellow-brown/gray- AND, some coarse to			12''	
		10	9		fine Gravel, some Clayey Silt with Cobbles	10			Rig chatter from 9 to 10ft
S-6	10-12'	3	6	14	Same as above			7''	
		8	7						
									Rig chatter from 13 to 15ft
						15			
S-7	15-17'	7	24	35	Same as above			14''	
		11	15						
						20			
S-8	20-22'	8	10	22	Brown/yellow-brown coarse to fine SAND, little medium to fine Gravel, little			9''	
		12	18		Clayey Silt				
S-9	22-24'	12	11	23	Same as above			22''	
		12	16						
					BORING COMPLETED AT 24± FEET	25			
						30			

South Brunswick

Figure No.: 6

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-6	Client:	WRV Nurseries		
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo		
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	121.0±		
Date Started:	July 25, 2022	Date Completed:	July 25, 2022	Boring Location Offset:	NA		
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Cloudy	Temperature:	84°F
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8		
Casing Dia.:	4 Inches	Casing Depth:	5 Feet	Auger Diameter:	OD: Inches	ID: Inches	

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/25/2022		24±	5±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	2	3	5	Yellow-brown medium to fine SAND, little Silt with trace organics				
		2	2		(6-inch tilled soil)				
S-2	2-4'	2	5	11	Brown Clayey SILT, little coarse to fine Sand, trace Gravel				
		6	9						
						5			
S-3	5-7'	8	8	18	Brown/gray-brown coarse to fine SAND, some Clayey Silt, little fine Gravel				
		10	8						
S-4	7-9'	9	10	21	Brown/yellow-brown/gray-brown coarse to fine SAND, some Clayey Silt,				
		11	11		little medium to fin South Brunswick				
						10			
S-5	10-12'	7	7	14	Yellow-brown/dark brown coarse to fine SAND, some medium to fine Gravel,				
		7	6		little Clayey Silt				
						15			
S-6	15-17'	7	12	26	Same as above				
		14	9						
						20			Rig chatter from 19 to 20ft
S-7	20-22'	10	10	27	Yellow-brown/gray-brown/dark brown coarse to fine Gravel, some coarse to fine Sand, some Clayey Silt				
		17	17		(-200) = 30.4% W.C. = 23.8%				
S-8	22-24'	14	38	68	Yellow-brown/gray-brown/dark brown coarse to fine Gravel, and coarse to				
		30	19		fine Sand, some Clayey Silt				
					BORING COMPLETED AT 24± FEET	25			
						30			

Figure No.: 7

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

SESI CONSULTING ENGINEERS

BORING LOG

Job:	12506	Boring:	B-7	Client:	WRV Nurseries
Project:	Proposed Mixed-Use Development			Observer:	M. Lopez Trujillo
Location:	S. Brunswick/Plainsboro, NJ			Elevation:	123.0±

Date Started:	July 26, 2022	Date Completed:	July 26, 2022	Boring Location Offset:	NA
Contractor:	Craig	Type of Rig:	ATV - CME 55	Weather:	Cloudy
Driller:	Brian	Helper:	Jim	Rotary Bit Diameter:	3 7/8
Casing Dia.:	4 Inches	Casing Depth:	5 Feet	Auger Diameter:	OD: Inches / ID: Inches

Temperature: 84°F

Drilling Mud Utilized: ☐ None ☐ Water ☑ Quickgel ☐ Bentonite ☐ Revert ☐ Ez Mud ☐ Other

SAMPLING EQUIPMENT (type and size)

Split Spoon Sampler:	☑ 2-inch Diameter	☐ 3-inch Diameter		
U-tube Sampler:	☐ Piston	☐ Shelby	☐ Other	
Core Barrel:		Core Bit:		
Sampler Hammer:	☐ External Anvil	☐ Mobile Safety	☑ Auto	☐ Mechanical Trip
Weight:	140 lbs.	Drop Height: 30 Inches		

WATER LEVEL OBSERVATIONS

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks
7/26/2022		23.4±	5±	NE	Not Observed

SAMPLE Number	Interval	Blows/6"		N- Value	SAMPLE DESCRIPTION	Depth	Strata	Rec.	REMARKS
S-1	0-2'	10	21	37	Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Silt			19''	6-inch DGA (fill)
		16	19						
S-2	2-4'	13	12	18	Brown/gray-brown medium to fine SAND, some Clayey Silt			8''	
		6	5						
						5			
S-3	5-7'	2	4	10	Brown/red-brown coarse to fine SAND, some Clayey Silt, little medium to fine			16''	
		6	8		Gravel				
S-4	7-9'	6	6	12	Yellow-brown/red-brown Clayey SILT, some coarse to fine Sand, trace Gravel			18''	
		6	8						
						10			
S-5	10-12'	2	3	6	Yellow-brown/red-brown Clayey SILT, little coarse to fine Sand			10''	
		3	3						
						15			
S-6	15-17'	1	2	5	Yellow-brown Clayey SILT, little coarse to fine Sand			22''	
		3	4		W.C. = 56.5%				
						20			
S-7	20-22'	9	6	14	Yellow-brown/dark gray Clayey SILT, some medium to fine Gravel, little			20''	
		8	16		coarse to fine Sand				
S-9	22-23.4'	28	38	-	Yellow-brown Clayey SILT, little medium to fine Gravel, little coarse to fine			19''	
		50/5"	-		Sand				
					BORING COMPLETED AT 23.4± FEET	25			
					DUE TO SPLIT SPOON REFUSAL				
						30			

Figure No.: 8

Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

Approximate Change in Strata: ———— Inferred Change in Strata: -

Soil descriptions represent a field identification after D.M. Burmister unless otherwise noted.

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-1**
LOCATION	See Fig. 1	**APPROX. ELEV.**	111.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2 – 5	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense
6 – 8	Dark brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt	Dense
9 – 12	Gray/brown coarse to fine SAND, some coarse to fine Gravel, some Clayey Silt	Dense
13 – 14	TEST PIT COMPLETED AT 12± FEET	

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-2
LOCATION	See Fig. 1	APPROX. ELEV.	111.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 — 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 — 5	Brown/gray coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles and Boulders	Medium Dense to Dense
6 — 11	Brown/gray coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt, with occasional Cobbles and Boulders	Dense to Very Dense
12 — 14	TEST PIT COMPLETED AT 11± FEET DUE TO EXCAVATOR REFUSAL	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-3**
LOCATION	See Fig. 1	**APPROX. ELEV.**	112.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine Sand, and clayey Silt, little medium to fine Gravel	Medium Dense to Dense
3		
4		
5	(-200) = 38.3% W.C. = 9.9%	
6		
7		
8		
9	Dark brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt, with Cobbles	Medium Dense to Dense
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-4**
LOCATION	See Fig. 1	**APPROX. ELEV.**	115.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	24-inch Topsoil	
2	Red-brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel	Medium Dense
8	Gray/brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles and Boulders	Dense to Very Dense
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-5**
LOCATION	See Fig. 1	**APPROX. ELEV.**	118.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2 – 9	Red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
9 – 13	Gray/brown Clayey SILT, some coarse to fine Sand, little medium to fine Gravel	Stiff
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-6
LOCATION	See Fig. 1	APPROX. ELEV.	116.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Red-brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7	Gray/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
8		
9		
10		
11		
12		
13	Boulders encountered 13± feet	
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-7**
LOCATION	See Fig. 1	**APPROX. ELEV.**	123.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 9	Red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt with occasional Cobbles	Medium Dense to Dense
9 – 13	Brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Dense
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-8
LOCATION	See Fig. 1	APPROX. ELEV.	115.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
3	Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Stiff
5	Dark brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Dense
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-9
LOCATION	See Fig. 1	APPROX. ELEV.	111.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7	Dark brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Dense to Very Dense
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 12± FEET	
14		

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-10**
LOCATION	See Fig. 1	**APPROX. ELEV.**	109.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2 – 6	Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
6 – 13	Gray/brown coarse to fine GRAVEL, some coarse to fine Sand, some Clayey Silt	Dense
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-11**
LOCATION	See Fig. 1	**APPROX. ELEV.**	102.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense to Dense
10	Gray/orange-brown coarse to fine GRAVEL, some coarse to fine Sand, some Clayey Silt	Dense
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-12**
LOCATION	See Fig. 1	**APPROX. ELEV.**	95.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2 – 3	Brown coarse to fine Sand, some coarse to fine Gravel, little Silt, with trace Roots	Medium Dense
4 – 10	Gray/brown coarse to fine GRAVEL some coarse to fine Sand, some Clayey Silt	Dense
10 – 14	TEST PIT COMPLETED AT 10± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-13**
LOCATION	See Fig. 1	**APPROX. ELEV.**	106.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 3	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with occasional Cobbles and Boulders	Medium Dense to Dense
3 – 13	Orange-brown/gray coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt, with occasional Cobbles and Boulders	Dense to Very Dense
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-14**
LOCATION	See Fig. 1	**APPROX. ELEV.**	112.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 5	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt	Medium Dense to Dense
6 – 9	Orange-brown/red-brown Clayey SILT, little coarse to fine Sand, little coarse to fine Gravel	Medium Stiff to Stiff
9 – 13	Dark brown/orange-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand, with occasional Cobbles	Medium Dense to Dense
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-15
LOCATION	See Fig. 1	APPROX. ELEV.	117.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Fill: Yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Silt	Medium Dense
1	Geofabric encountered at 1.5± Feet	
2	Gray coarse to fine SAND, little Silt, trace Gravel, with Roots	Dense
3		
	Red-brown/yellow-brown coarse to fine GRAVEL, some Silt, little coarse to fine Sand	Dense
4		
	(-200) = 26.4% W.C. = 18.1%	
5		
6		
7		
	Yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	Dense
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 12.5± FEET	
14		

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-16**
LOCATION	See Fig. 1	**APPROX. ELEV.**	114.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/13/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 5	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense to Dense
5 – 8	Yellow-brown/red-brown Clayey SILT, little coarse to fine Sand, trace Gravel	Medium Stiff to Stiff
8 – 12	Gray-brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt	Dense to Very Dense
12 – 14	TEST PIT COMPLETED AT 12± FEET	

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-17
LOCATION	See Fig. 1	APPROX. ELEV.	113.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
5	Brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt	Dense
8	Brown/yellow-brown/gray/dark brown Clayey SILT, little coarse to fine Gravel, little coarse to fine Sand	Stiff
10	W.C. = 27.1%	
12	TEST PIT COMPLETED AT 12± FEET	
14		

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-18**
LOCATION	See Fig. 1	**APPROX. ELEV.**	118.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 5	Light brown/yellow-brown coarse to fine SAND, trace Silt	Medium Dense to Dense
5 – 7	Dark brown coarse to fine SAND, little Clayey Silt, trace Gravel	Dense
7 – 13	Yellow-brown/red-brown Clayey SILT, little coarse to fine Sand, trace Gravel with occasional Cobbles	Stiff
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-19**
LOCATION	See Fig. 1	**APPROX. ELEV.**	136.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 7	Red-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
7 – 12	Red-brown/dark brown coarse to fine Gravel, and coarse to fine Sand, some Clayey Silt, with Cobbles	Dense to Very Dense
12 – 14	TEST PIT COMPLETED AT 12± FEET	

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-20
LOCATION	See Fig. 1	APPROX. ELEV.	134.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Red-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
3		
4		
5		
6	… Grading to some Clayey Silt	
7		
8	Gray-brown/red-brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel, with occasional Cobbles	Medium Dense to Dense
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 12± FEET	
14		

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-21
LOCATION	See Fig. 1	APPROX. ELEV.	128.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Red-brown/brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6	… Grading to some Clayey Silt	
7	W.C. = 24.1%	
8	Gray-brown/red-brown coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand, with Cobbles	Dense
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 12± FEET	
14		

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-22
LOCATION	See Fig. 1	APPROX. ELEV.	125.0±	INSPECTED BY	
WATER OBSERVATION				DATE EXCAVATED	

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	TEST PIT NOT EXCAVATED	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-23
LOCATION	See Fig. 1	APPROX. ELEV.	137.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 3	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel	Medium Dense to Dense
4 – 7	Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel	Medium Dense to Dense
8 – 10	Gray-brown/brown/orange-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand, with Cobbles	Dense to Very Dense
11 – 13	Gray-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand	Dense to Very Dense
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-24
LOCATION	See Fig. 1	APPROX. ELEV.	122.0±	INSPECTED BY	
WATER OBSERVATION				DATE EXCAVATED	

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	TEST PIT NOT EXCAVATED	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

NOTE:

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-25**
LOCATION	See Fig. 1	**APPROX. ELEV.**	109.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel	Medium Dense to Dense
3	W.C. = 12.8%	
4		
5	Gray-brown/brown/orange-brown Clayey SILT, some coarse to fine Gravel, little coarse to fine Sand	Medium Stiff to Very Stiff
6		
7	Gray-brown/brown coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand, with Cobbles	Dense to Very Dense
8		
9		
10	Dark brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand, with Cobbles	Very Dense
11		
12	TEST PIT COMPLETED AT 12± FEET	
13		
14		

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-26**
LOCATION	See Fig. 1	**APPROX. ELEV.**	109.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Medium Sitff to Stiff
6	Brown Clayey SILT, little coarse to fine Gravel, little coarse to fine Sand	
10	Gray-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand	Dense to Very Dense
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-27
LOCATION	See Fig. 1	APPROX. ELEV.	130.0±	INSPECTED BY	
WATER OBSERVATION				DATE EXCAVATED	

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	TEST PIT NOT EXCAVATED	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-28
LOCATION	See Fig. 1	APPROX. ELEV.	109.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Brown coarse to fine SAND, little Clayey Silt, trace Gravel	Medium Dense
2		
3	Gray-brown/orange-brown Clayey SILT, some coarse to fine Gravel, little coarse to fine Sand	Medium Sitff to Sitff
4		
5		
6		
7		
8	Dark gray/gray-brown/orange-brown coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand	
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-29
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Groundwater encountered at 12.5± Feet			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown Clayey SILT, some coarse to fine Sand, trace Gravel	Medium Stiff to Very Stiff
3		
4		
5		
6		
7	Gray-brown/brown coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand, with Cobbles	Dense to Very Dense
8		
9		
10	… Same as above, Dark brown	
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-30
LOCATION	See Fig. 1	APPROX. ELEV.	105.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel, with occasional Cobbles	Medium Sitff to Very Stiff
3		
4		
5		
6		
7		
8	Dark brown/brown/orange-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand, with Cobbles	Very Dense
9		
10		
11		
12	TEST PIT COMPLETED AT 11± FEET DUE TO EXCAVATOR REFUSAL	
13		
14		

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-31
LOCATION	See Fig. 1	APPROX. ELEV.	108.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7		
8	Gray-brown/brown/dark brown Clayey SILT, little coarse to fine Gravel, little coarse to fine Sand	Medium Stiff to Very Stiff
9		
10	… Grading to some coarse to fine Gravel	
11		
12		
13		
14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-32**
LOCATION	See Fig. 1	**APPROX. ELEV.**	104.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Groundwater encountered at 12.5± Feet			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, with occasional Cobbles	Medium Dense to Dense
8	Gray-brown/dark brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Stiff to Hard
10	… Grading to some coarse to fine Gravel	
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-33**
LOCATION	See Fig. 1	**APPROX. ELEV.**	102.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Groundwater encountered at 10± Feet			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense
2		
3	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, with Cobbles and occasional Boulders	Dense to Very Dense
4		
5		
6	Gray-brown/brown coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand, with Cobbles and Boulders	Very Dense
7		
8		
9		
10		
11	TEST PIT COMPLETED AT 11± FEET DUE TO EXCAVATOR REFUSAL	
12		
13		
14		

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-34**
LOCATION	See Fig. 1	**APPROX. ELEV.**	105.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little Silt, trace Gravel, with occasional Cobbles	Medium Dense
3	Brown/gray-brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Medium Stiff to Stiff
4		
5		
6		
7		
8	Gray-brown/brown/black coarse to fine Gravel, and Clayey Silt, little coarse to fine Sand	Dense to Very Dense
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-35**
LOCATION	See Fig. 1	**APPROX. ELEV.**	101.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Groundwater encountered at 12± Feet			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0 – 1	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1 – 4	Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
5 – 8	Gray-brown/brown/dark brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Stiff to Very Stiff
8 – 13	… Grading to some coarse to fine Gravel, some coarse to fine Sand	
13 – 14	TEST PIT COMPLETED AT 13± FEET	

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-36**
LOCATION	See Fig. 1	**APPROX. ELEV.**	107.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7	Dark brown/brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	Stiff
8		
9		
10	… Same as above, Dark brown/gray-brown	
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-37**
LOCATION	See Fig. 1	**APPROX. ELEV.**	100.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense
4	Dark brown coarse to fine SAND, some coarse to fine Gravel, some Clayey Silt	Dense to Very Dense
6	… Grading to dark brown coarse to fine GRAVEL, little coarse to fine SAND, little Clayey Silt	
10	TEST PIT COMPLETED AT 10± FEET DUE TO EXCAVATOR REFUSAL ON BOULDERS	
14		

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-38**
LOCATION	See Fig. 1	**APPROX. ELEV.**	107.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine Sand, and Silt, little coarse to fine Gravel (-200) = 40.0% W.C. = 14.2%	Medium Dense to Dense
3		
4		
5	Brown/orange-brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, with occasional Cobbles and Boulders	Dense
6		
7		
8		
9		
10		
11	Yellow-brown/brown/gray-brown Clayey SILT, some coarse to fine Gravel, little coarse to fine Sand, with occasional Cobbles and Boulders	Stiff
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE:

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-39
LOCATION	See Fig. 1	APPROX. ELEV.	134.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense to Dense
6	Brown/yellow-brown coarse to fine GRAVEL, some Clayey Silt, little coarse to fine Sand	Medium Dense to Dense
12	TEST PIT COMPLETED AT 12± FEET	

South Brunswick

NOTE:

Fig. 47

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-40
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
6	Orange-brown coarse to fine Sand, and coar South Brunswick ayey Silt with occasional Cobbles	Dense to Very Dense
10	Dark brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt, with Cobbles and Boulders	
11	TEST PIT COMPLETED AT 11± FEET	
14		

NOTE:

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-41
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt with occasional Cobbles and Boulders	Medium Dense to Dense
10	Dark brown/dark gray coarse to fine GRAVEL, trace Sand, trace Silt with occasional Cobbles and Boulders	Very Dense
12	Brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt with occasional Cobbles and Boulders	Dense
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-42
LOCATION	See Fig. 1	APPROX. ELEV.	103.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown/orange-brown coarse to fine GRAVEL, some coarse to fine Sand, little Clayey Silt with occasional Cobbles and Boulders	Medium Dense to Very Dense
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

Fig. 50

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-43
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
1		
2	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel with occasional Cobbles	Medium Dense to Very Dense
3	W.C. = 11.8%	
4		
5		
6		
7		
8		
9		
10		
11	Yellow-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles and Boulders	Very Dense
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

Fig. 51

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PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-44**
LOCATION	See Fig. 1	**APPROX. ELEV.**	90.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
3	Brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Silt with occasional Cobbles	Medium Dense to Very Dense
12	Dark gray coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt with Cobbles and occasional Boulders	
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

Fig. 52

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-45
LOCATION	See Fig. 1	APPROX. ELEV.	93.0±	INSPECTED BY	
WATER OBSERVATION				DATE EXCAVATED	

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	TEST PIT NOT EXCAVATED	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-46
LOCATION	See Fig. 1	APPROX. ELEV.	96.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/17/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt with occasional Roots	Medium Dense
4	Brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Silt	Medium Dense to Dense
11	Dark brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Silt	Dense
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE: Garbage at the botttom from excaavation operation

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-47
LOCATION	See Fig. 1	APPROX. ELEV.	99.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/red-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
7	Brown/orange-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-48
LOCATION	See Fig. 1	APPROX. ELEV.	133.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Yellow-brown/orange-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles	Medium Dense to Dense
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-49
LOCATION	See Fig. 1	APPROX. ELEV.	135.0±	INSPECTED BY	
WATER OBSERVATION				DATE EXCAVATED	

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	TEST PIT NOT EXCAVATED	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-50
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/19/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with occasional Cobbles	Medium Dense
6	Brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-51
LOCATION	See Fig. 1	APPROX. ELEV.	91.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
1	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with occasional Cobbles	Medium Dense
2		
2		
4		
5	Red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles	Medium Dense to Dense
6		
7		
8	Brown/orange-brown coarse to fine Gravel, and coarse to fine Sand, little Silt, with Cobbles	Dense
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-52
LOCATION	See Fig. 1	APPROX. ELEV.	94.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/yellow-brown coarse to fine Sand, and coarse to fine Gravel, trace Silt, with occasional Cobbles	Medium Dense to Dense
5	… Grading to some coarse to fine Gravel	
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-53
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
3	Orange-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt with Cobbles	Medium Dense to Dense
7	Yellow-brown/brown coarse to fine Gravel, and coarse to fine Sand, trace Silt with occasional Cobbles	Dense
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-54
LOCATION	See Fig. 1	APPROX. ELEV.	105.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/14/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Topsoil	
2	Red-brown/orange-brown coarse to fine Gravel, and coarse to fine Sand, little Silt, with occasional Cobbles	Medium Dense to Dense
6	Brown/orange-brown coarse to fine SAND some coarse to fine Gravel, little Silt	Dense
13	TEST PIT COMPLETED AT 13± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-55
LOCATION	See Fig. 1	APPROX. ELEV.	106.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
7	Yellow-brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense to Dense
13	TEST PIT COMPLETED AT 13± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-56
LOCATION	See Fig. 1	APPROX. ELEV.	106.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Red-brown/orange-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	TEST PIT COMPLETED AT 12± FEET	
13		
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-57
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown medium to fine SAND, little coarse to fine Gravel, little Silt, with occasional Cobbles	Medium Dense
3		
4		
5	Brown/red-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
6		
7		
8		
9		
10		
11		
12	TEST PIT COMPLETED AT 12± FEET	
13		
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-58
LOCATION	See Fig. 1	APPROX. ELEV.	103.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine Sand, and Silt, trace medium to fine Gravel (-200) = 44.1% W.C. = 11.2%	Medium Dense
3		
4	Orange-brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
5		
6		
7		
8		
9		
10		
11		
12	TEST PIT COMPLETED AT 12± FEET	
13		
14		

South Brunswick

NOTE:

Fig. 66

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-59
LOCATION	See Fig. 1	APPROX. ELEV.	106.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt, with occasional Cobbles	Medium Dense to Dense
3	… Same as above (Geogrid and Fill: 3/4-inch stone present at backwall of test pit at 2.5')	
4	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt, with occasional Cobbles	Medium Dense
5		
6	Red-brown/brown coarse to fine SAND, so South Brunswick ittle Silt, with Cobbles	Medium Dense to Dense
7		
8		
9		
10		
11	Yellow-brown coarse to fine SAND, little coarse to fine Gravel, little Silt, with Cobbles	Dense
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-60
LOCATION	See Fig. 1	APPROX. ELEV.	105.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	Medium Dense to Dense
3	(-200) = 30.4% W.C. = 9.5%	
4		
5		
6	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles	Dense
7		
8		
9		
10		
11	Yellow-brown Clayey SILT, little coarse to fine Sand, trace Gravel, with Cobbles	Very Stiff
12		
13	TEST PIT COMPLETED AT 12± FEET DUE TO EXCAVATOR REFUSAL	
14		

South Brunswick

NOTE:

Fig. 68

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-61
LOCATION	See Fig. 1	APPROX. ELEV.	103.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown/yellow-brown medium to fine SAND, trace Gravel, trace Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6	Orange-brown/red-brown coarse to fine SA South Brunswick e coarse to fine Gravel, with occasional Cobbles	Dense
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-62
LOCATION	See Fig. 1	APPROX. ELEV.	111.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown medium to fine SAND, little medium to fine Gravel, little Silt	Medium Dense to Dense
3		
4		
5	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Dense
6		
7		
8		
9	Red-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Dense to Very Dense
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-63
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown medium to fine SAND, trace Gravel, trace Silt	Medium Dense to Dense
3		
4		
5		
6	Orange-brown/red-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt	Medium Dense to Dense
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-64
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown/yellow-brown medium to fine SAND, trace Gravel, trace Silt	Medium Dense to Dense
3		
4		
5		
6	Orange-brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
7		
8		
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-65
LOCATION	See Fig. 1	APPROX. ELEV.	117.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/red-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
8	… Grading to some Clayey Silt	
10	Yellow-brown/red-brown Clayey SILT, little coarse to fine Sand, trace Gravel, with occasional Cobbles	Stiff to Very Stiff
13	TEST PIT COMPLETED AT 13± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-66
LOCATION	See Fig. 1	APPROX. ELEV.	110.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown/orange-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles and Boulders	Medium Dense to Dense
3		
4	Red-brown/orange-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles and occasional Boulders	Dense to Very Dense
5		
6		
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-67
LOCATION	See Fig. 1	APPROX. ELEV.	107.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown Silt, and coarse to fine Sand, trace Gravel (-200) = 49.2% W.C. = 8.4%	Medium Dense to Dense
3		
4		
5		
6	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Dense
7		
8		
9		
10		
11	Red-brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, trace Silt, with occasional Cobbles	Dense to Very Dense
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

Fig. 75

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-68
LOCATION	See Fig. 1	APPROX. ELEV.	111.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense to Dense
7	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Dense
13	TEST PIT COMPLETED AT 13± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-69
LOCATION	See Fig. 1	APPROX. ELEV.	112.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown medium to fine SAND, trace Gravel, trace Silt, with occasional Cobbles	Medium Dense to Dense
5	Yellow-brown coarse to fine SAND, little coarse to fine Gravel, trace Silt, with occasional Cobbles	Medium Dense to Dense
9	Red-brown/brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Dense
13	TEST PIT COMPLETED AT 12.5± FEET	

NOTE:

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-70
LOCATION	See Fig. 1	APPROX. ELEV.	99.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
8	Yellow-brown/orange-brown coarse to fine Gravel, and coarse to fine Sand, trace Silt, with occasional Cobbles and Boulders	Dense
13	TEST PIT COMPLETED AT 13± FEET	

South Brunswick

NOTE:

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PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-71
LOCATION	See Fig. 1	APPROX. ELEV.	103.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Orange-brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-72
LOCATION	See Fig. 1	APPROX. ELEV.	109.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt, with occational Cobbles	Medium Dense to Dense
3		
4		
5		
6	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles and Boulders	Dense
7		
8		
9		
10		
11		
12		
13		
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-73
LOCATION	See Fig. 1	APPROX. ELEV.	110.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little medium to fine Gravel, trace Silt, with occational Cobbles	Medium Dense to Dense
3		
4		
5		
6	Red-brown/brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with occasional Cobbles	Dense
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-74
LOCATION	See Fig. 1	APPROX. ELEV.	99.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
3	Orange-brown/yellow-brown/brown coarse to fine GRAVEL, some coarse to fine Sand, little Silt (-200) = 17.4% W.C. = 17.2%	Medium Dense to Very Dense
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

Fig. 82

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-75
LOCATION	See Fig. 1	APPROX. ELEV.	103.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Orange-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles	Medium Dense to Very Dense
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-76
LOCATION	See Fig. 1	APPROX. ELEV.	109.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt with Cobbles	Medium Dense to Dense
3	Red-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt	Dense
12	TEST PIT COMPLETED AT 12± FEET	

NOTE:

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	TP-77
LOCATION	See Fig. 1	**APPROX. ELEV.**	102.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt	Medium Dense
3		
4	Brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt	Medium Dense to Dense
5		
6		
7		
8		
9		
10		
11		
12	TEST PIT COMPLETED AT 12± FEET	
13		
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-78
LOCATION	See Fig. 1	APPROX. ELEV.	94.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, some coarse to fine Gravel, little Silt with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6	Orange-brown/yellow-brown/brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles and Boulders	Dense to Very Dense
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	**PROJECT**	Prop. Mixed Use Development	**TEST PIT NO.**	**TP-79**
LOCATION	See Fig. 1	**APPROX. ELEV.**	99.0±	**INSPECTED BY**	MLT
WATER OBSERVATION	Not Encountered			**DATE EXCAVATED**	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown/red-brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles and Boulders	Medium Dense to Very Dense
12	TEST PIT COMPLETED AT 12± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-80
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/15/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown coarse to fine SAND, little medium to fine Gravel, little Silt	Medium Dense
3		
4	Orange-brown/red-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles and Boulders	Dense to Very Dense
5		
6		
7		
8		
9		
10		
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-81
LOCATION	See Fig. 1	APPROX. ELEV.	99.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
2	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense
5	Red-brown/brown/yellow-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with Cobbles and occasional Boulders	Medium Dense to Dense
9	… Same as above, with Cobbles and Boulders	
14	TEST PIT COMPLETED AT 14± FEET	

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-82
LOCATION	See Fig. 1	APPROX. ELEV.	122.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1	Brown coarse to fine SAND, little coarse to fine Gravel, little Silt	Medium Dense
2		
3	Red-brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
4		
5		
6		
7		
8		
9		
10	Gray-brown coarse to fine Gravel, and coarse to fine Sand, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-83
LOCATION	See Fig. 1	APPROX. ELEV.	102.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Red-brown/brown medium to fine GRAVEL, some coarse to fine Sand, trace Clayey Silt	Medium Dense to Dense
3		
4		
5	(-200) = 8.1% W.C. = 11.9%	
6	South Brunswick	
7		
8		
9		
10	Yellow-brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles and occasional Boulders	Dense
11		
12		
13	TEST PIT COMPLETED AT 13± FEET	
14		

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

PROJECT NO.	12506	PROJECT	Prop. Mixed Use Development	TEST PIT NO.	TP-84
LOCATION	See Fig. 1	APPROX. ELEV.	101.0±	INSPECTED BY	MLT
WATER OBSERVATION	Not Encountered			DATE EXCAVATED	7/18/2022

DEPTH FT.	DESCRIPTION / SOIL CLASSIFICATION	RELATIVE DENSITY OR CONSISTENCY
0	Light brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel with trace organics (Tilled soil)	
1		
2	Brown/red-brown/yellow-brown coarse to fine SAND, little coarse to fine Gravel, little Clayey Silt, with occasional Cobbles	Medium Dense to Dense
3		
4		
5		
6	Yellow-brown/red-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt, with Cobbles	Medium Dense to Dense
7		
8		
9		
10	Yellow-brown/light brown coarse to fine SAND, little Clayey Silt, trace Gravel, with Cobbles	Dense
11		
12	Light brown/yellow-brown Clayey SILT, some coarse to fine Sand, trace Gravel, with occasional Cobbles	Stiff
13	TEST PIT COMPLETED AT 13± FEET	
14		

South Brunswick

NOTE:

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

Definitions of Identification Terms for Granular Soils

Our experience has shown that the following field identification system, which is pattered somewhat after the Burmister System, permits a more detailed breakdown of the components within a soil sample than other identification systems allow. It also compels the supervising technician to examine a sample quite closely in order to accurately describe the components within the sample.

Principal Component (All Capitalized)

- GRAVEL More than 50% of the sample by weight is Gravel
- SAND More than 50% of the sample by weight is Sand
- SILT More than 50% of the sample by weight is Silt

Minor Component (Proper Case)

- Gravel Less than 50% of the sample by weight is Gravel
- Sand Less than 50% of the sample by weight is Sand
- Silt Less than 50% of the sample by weight is Silt

Proportion Terms

- and Component ranges from 35% to 50% of the sample by weight
- some Component ranges from 20% to 35% of the sample by weight
- little Component ranges from 10% to 20% of the sample by weight
- trace Component ranges from 0% to 10% of the sample by weight

Size of Soil Components

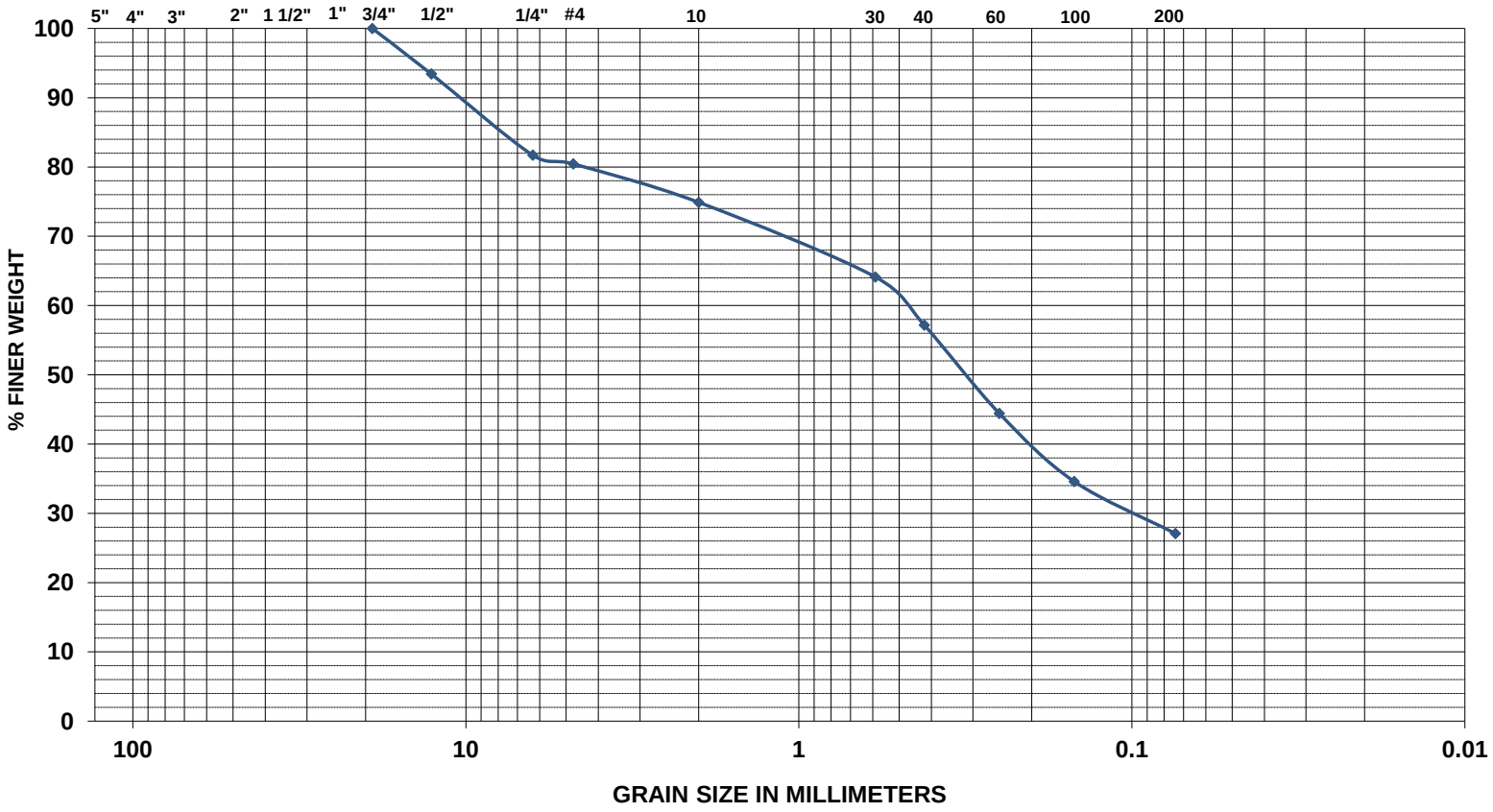
- Gravel
  - Coarse gravel ranges from 3 inches to 1 inch
  - Medium gravel ranges from 1 inch to 3/8 inch
  - Fine gravel ranges from 3/8 inch to No. 10 sieve
- Sand
  - Coarse sand ranges from No. 10 sieve to No. 30 sieve
  - Medium sand ranges from No. 30 sieve to No. 60 sieve
  - Fine sand ranges from No. 60 sieve to No. 200 sieve
- Silt
  - Material which passes the No. 200 sieve
- Clay
  - Material which passes the No. 200 sieve
  - Exhibits varying degrees of plasticity

Gradation Designations

- Coarse to fine (c-f) All fractions greater than 10% of the component
- Coarse to medium (c-m) Less than 10% of the component is fine
- Medium to fine (m-f) Less than 10% of the component is coarse
- Coarse (c) Less than 10% of the component is medium and fine
- Medium (m) Less than 10% of the component is coarse and fine
- Fine (f) Less than 10% of the component is coarse and medium

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	

U.S. STANDARD SIEVE SIZES



Symbol	◆
Boring	B-1
Sample	S-3
Depth	4-6'
% +3"	
% Gravel	25.1
% Sand	47.8
% Fines	27.1
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	13.2

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	-
3/4"	100.00
1/2"	93.43
1/4"	81.71
4	80.44
10	74.90
30	64.13
40	57.17
60	44.42
100	34.60
200	27.08

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 94

SYMBOL	DESCRIPTION AND REMARKS
◆	Red-brown/orange-brown coarse to fine Sand, some Silt, some medium to fine Gravel

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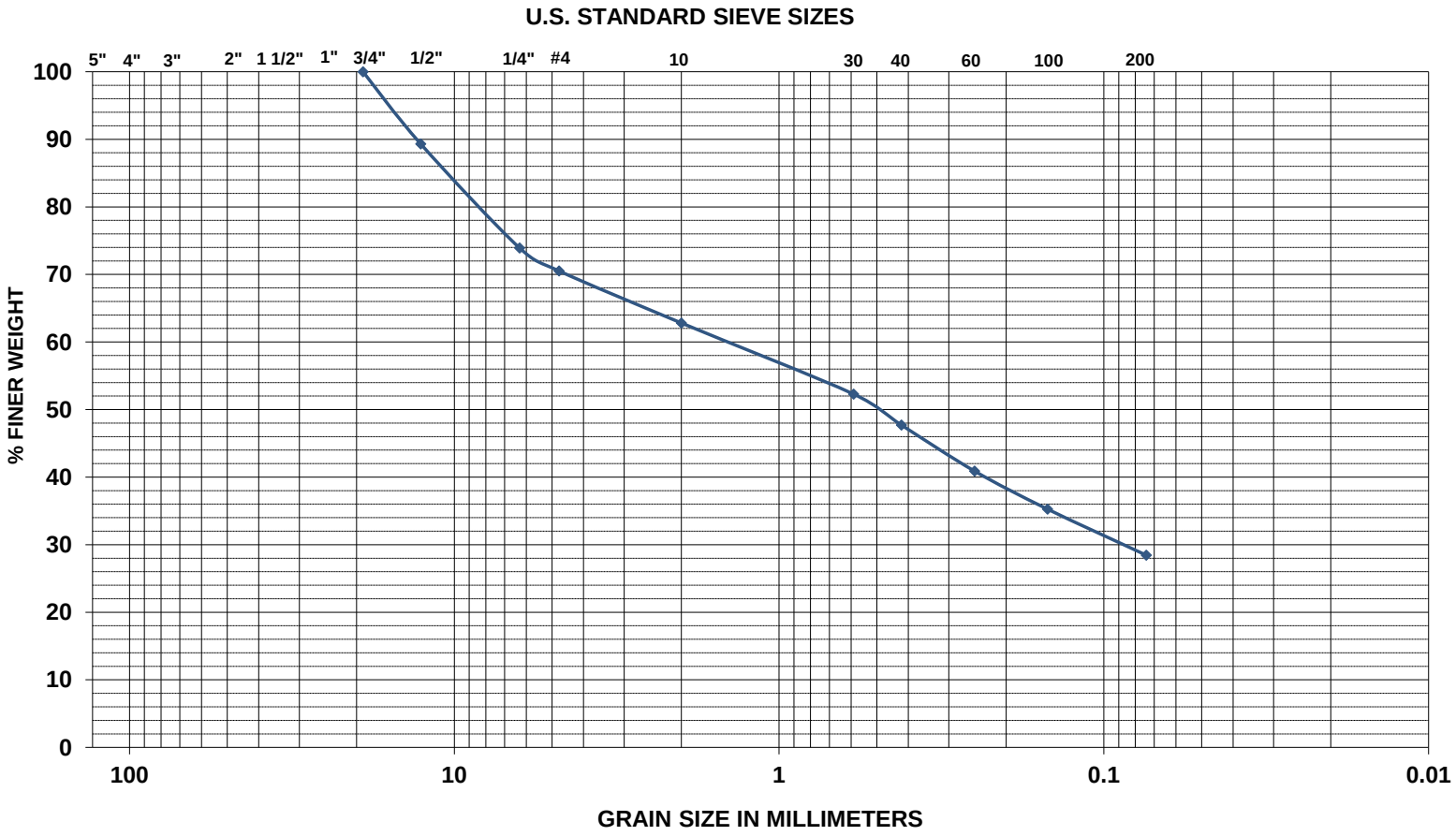
CONSULTING ENGINEERS

V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	



Symbol	◆
Boring	B-4
Sample	S-3
Depth	4-6'
% +3"	
% Gravel	37.2
% Sand	34.4
% Fines	28.4
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	11.6

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	-
3/4"	100.00
1/2"	89.33
1/4"	73.93
4	70.52
10	62.81
30	52.30
40	47.70
60	40.89
100	35.26
200	28.44

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 95

SYMBOL	DESCRIPTION AND REMARKS
◆	Brown medium to fine Gravel, some coarse to fine Sand, some Silt

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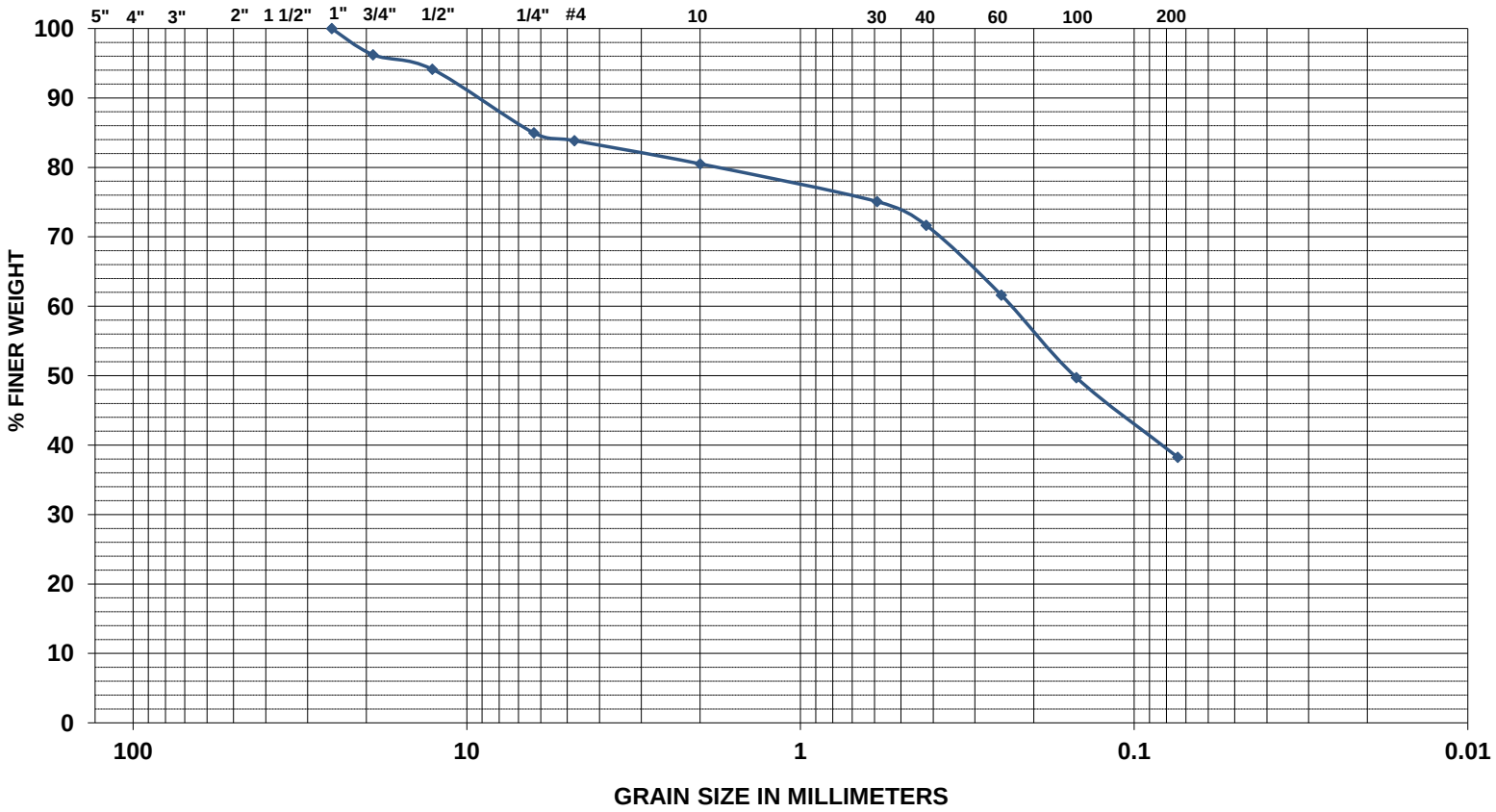
V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	

U.S. STANDARD SIEVE SIZES



Symbol	◆
Test Pit	TP-3
Sample	S-1
Depth	4'
% +3"	
% Gravel	19.5
% Sand	42.3
% Fines	38.3
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	9.9

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	100.00
3/4"	96.22
1/2"	94.14
1/4"	84.97
4	83.85
10	80.51
30	75.08
40	71.66
60	61.60
100	49.73
200	38.26

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 96

SYMBOL	DESCRIPTION AND REMARKS
◆	Brown coarse to fine Sand, and clayey Silt, little medium to fine Gravel

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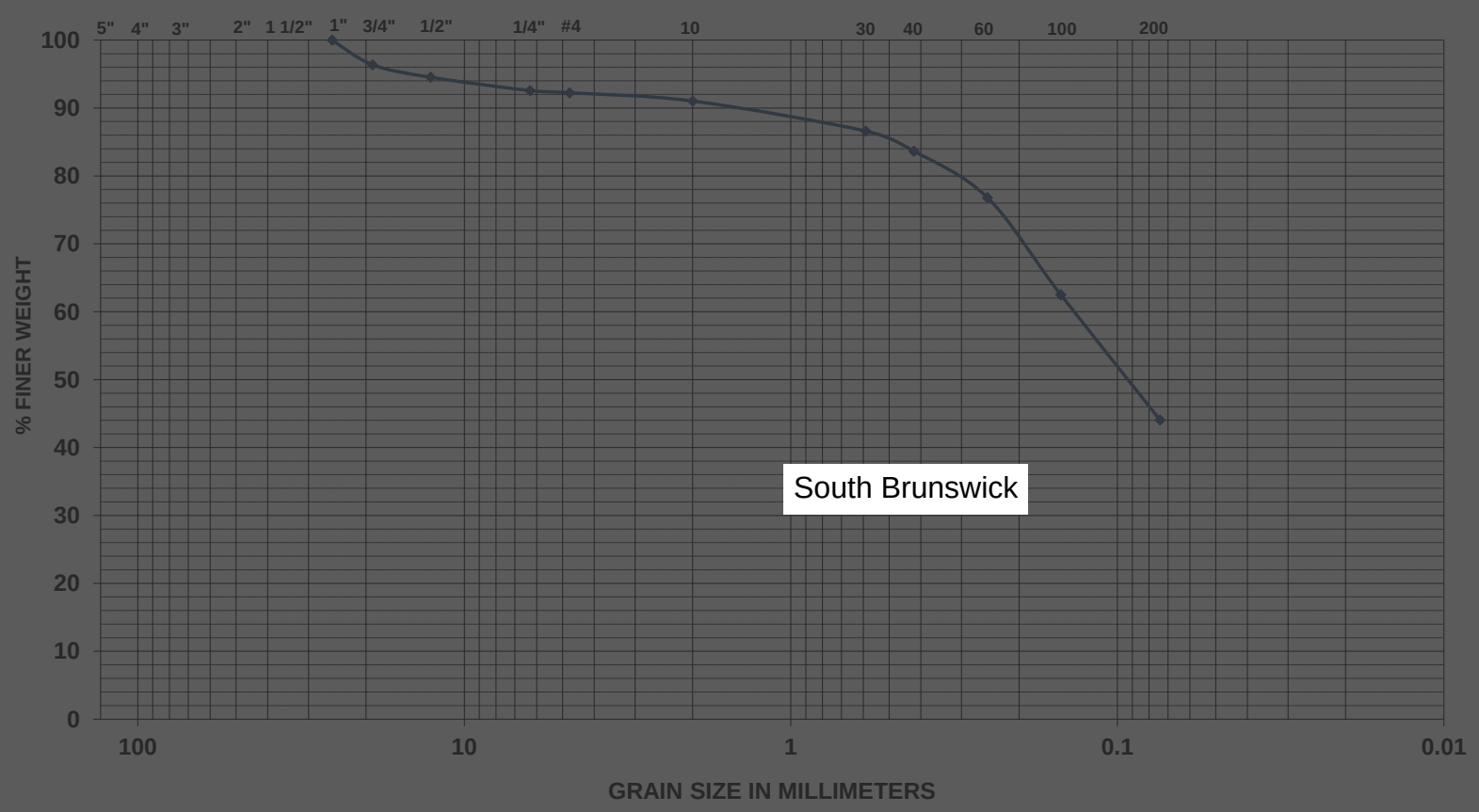
V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	



Symbol	◆
Test Pit	TP-58
Sample	S-1
Depth	2.5
% +3"	
% Gravel	9.0
% Sand	47.0
% Fines	44.1
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	11.2

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	100.00
3/4"	96.37
1/2"	94.53
1/4"	92.57
4	92.24
10	91.03
30	86.61
40	83.65
60	76.80
100	62.49
200	44.06

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 97

SYMBOL	DESCRIPTION AND REMARKS
◆	Brown coarse to fine Sand, and Silt, trace medium to fine Gravel

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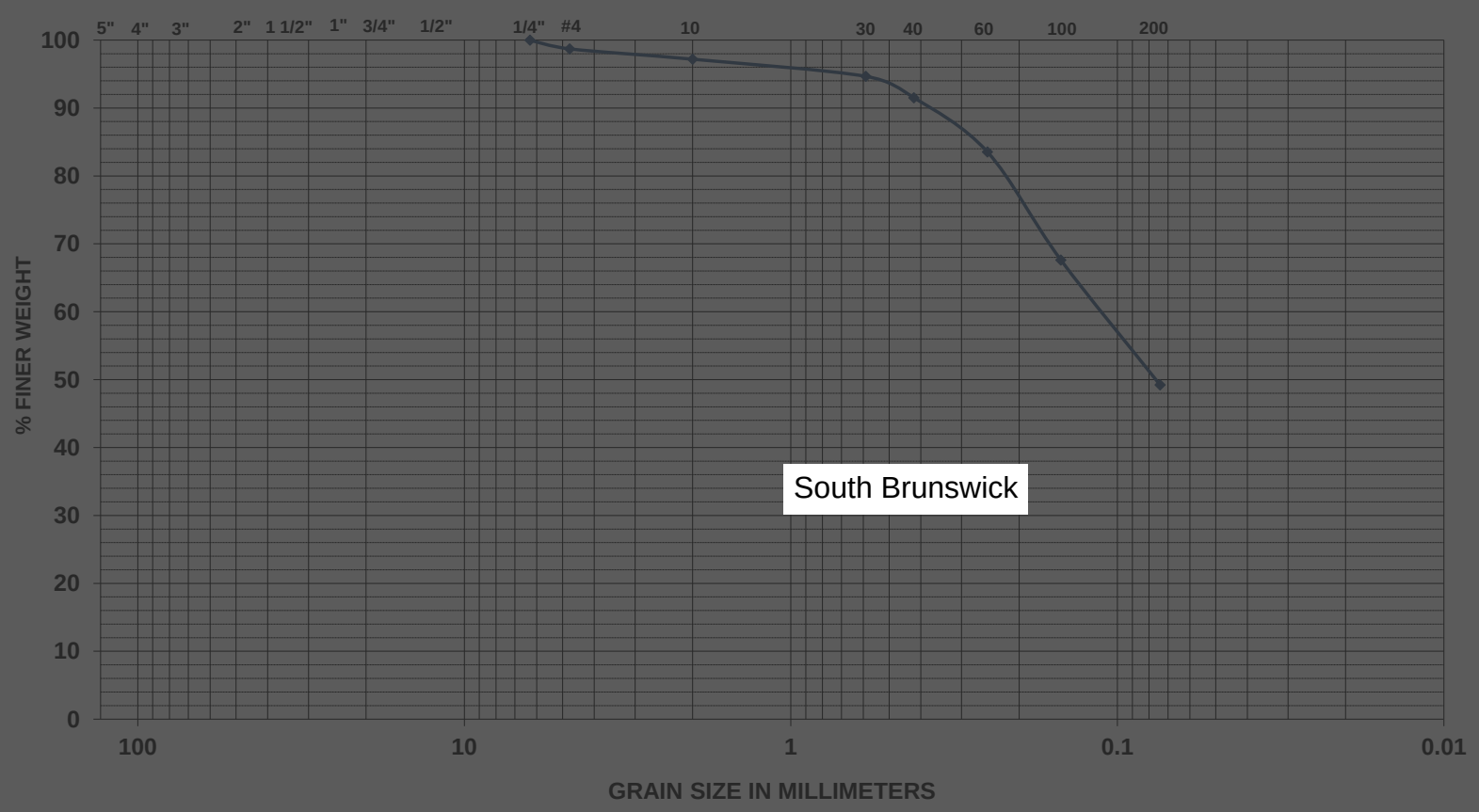
V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	



Symbol	◆
Test Pit	TP-67
Sample	S-1
Depth	2
% +3"	
% Gravel	2.8
% Sand	48.0
% Fines	49.2
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	8.4

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	-
3/4"	-
1/2"	-
1/4"	100.00
4	98.71
10	97.19
30	94.66
40	91.52
60	83.53
100	67.63
200	49.23

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 98

SYMBOL	DESCRIPTION AND REMARKS
◆	Brown Silt, and coarse to fine Sand, trace fine Gravel

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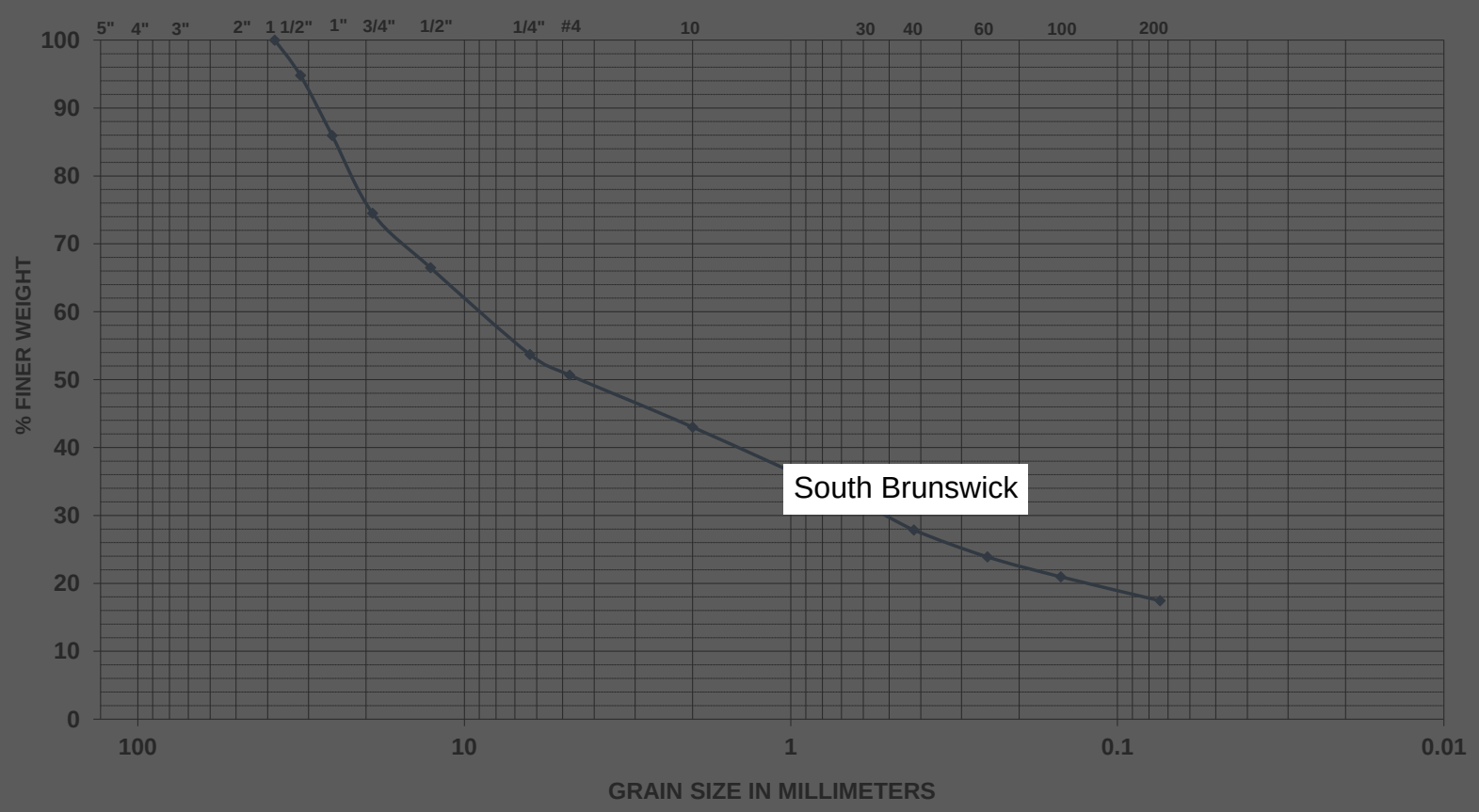
V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	



Symbol	◆
Test Pit	TP-74
Sample	S-1
Depth	9
% +3"	
% Gravel	57.0
% Sand	25.6
% Fines	17.4
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	17.2

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	100.00
1 1/4"	94.79
1"	85.96
3/4"	74.52
1/2"	66.49
1/4"	53.71
4	50.66
10	43.02
30	31.44
40	27.86
60	23.89
100	20.96
200	17.44

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 99

SYMBOL	DESCRIPTION AND REMARKS
◆	Orange-brown/yellow-brown/brown coarse to fine GRAVEL, some coarse to fine Sand, little Silt

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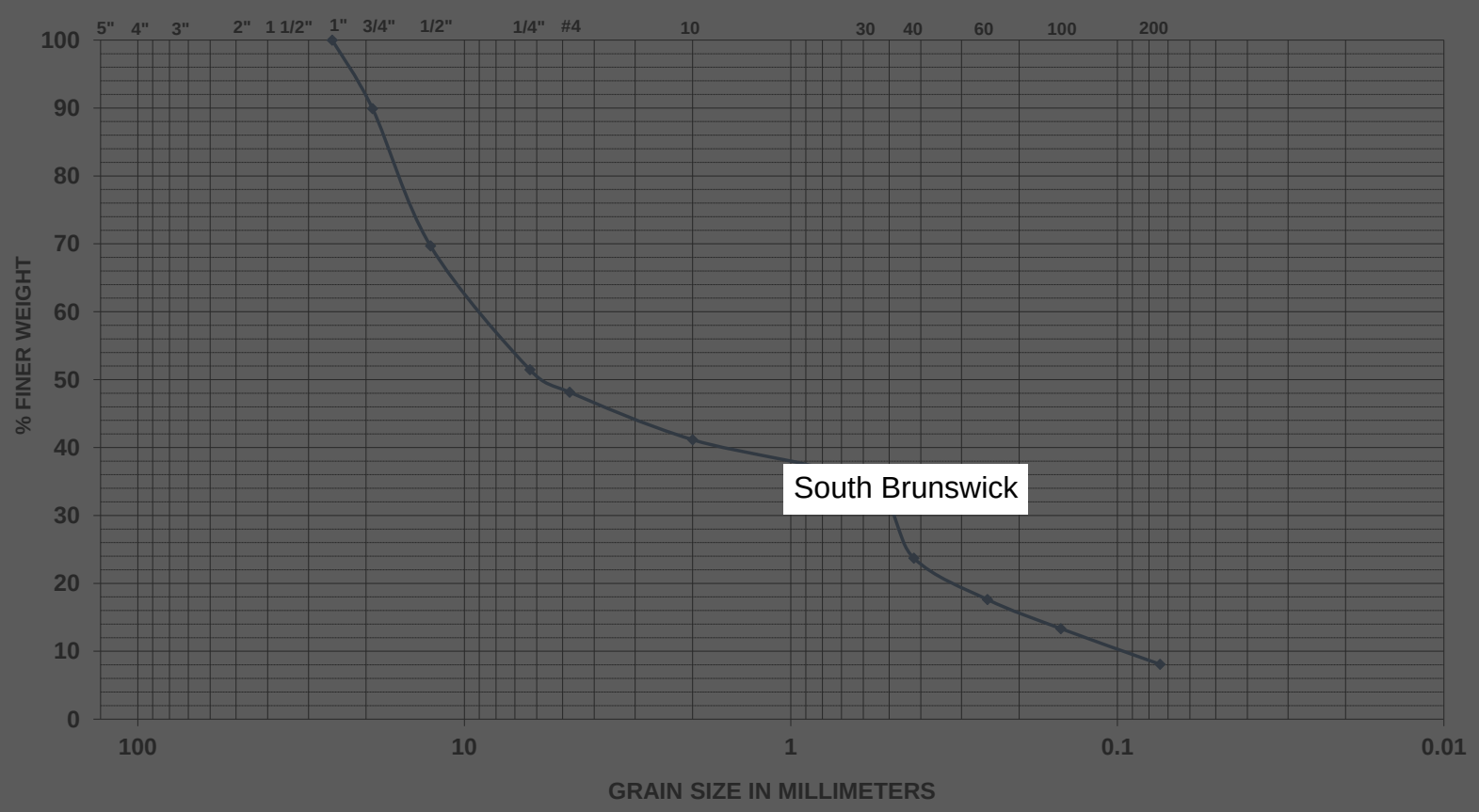
V2.5

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	



Symbol	◆
Test Pit	TP-83
Sample	S-1
Depth	5
% +3"	
% Gravel	58.8
% Sand	33.1
% Fines	8.1
Maximum Dry Density, (PCF)	
Optimum Moisture Content, (%)	
Liquid Limit, LL	
Plastic Limit, PL	
Plasticity Index, PI	
Water Content (%)	11.9

Particle Size Sieve #	Percent Finer Than
5"	-
4"	-
3"	-
2"	-
1 1/2"	-
1 1/4"	-
1"	100.00
3/4"	89.90
1/2"	69.71
1/4"	51.46
4	48.15
10	41.16
30	34.78
40	23.71
60	17.62
100	13.34
200	8.08

PARTICLE SIZE DISTRIBUTION

CLIENT: WRV Nurseries
PROJECT: Proposed Mixed-Use Develop.
DATE: August 4, 2022
JOB NO. 12506 FIGURE No 100

SYMBOL	DESCRIPTION AND REMARKS
◆	Red-brown/brown medium to fine GRAVEL, some coarse to fine Sand, trace clayey Silt

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V2.5

APPENDIX A

EXISTING LEGEND

- EXIST. CURB
- EXIST. SIDEWALK
- EXIST. CONTOUR
- EXIST. SPOT ELEVATION
- EXIST. SANITARY SEWER
- EXIST. SANITARY MANHOLE
- EXIST. MONITOR WELL
- EXIST. EDGE OF PAVEMENT
- EXIST. TREELINE
- WETLAND BOUNDARY (SEE NOTE 1)
- WETLAND AREA BUFFER
- 100-YR FLOODPLAIN
- DRCC BUFFER
- EASEMENTS

PROPOSED LEGEND

- PROPOSED CONTOUR
- PROPERTY LINE
- RIGHT OF WAY LINE
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED MAINTENTANCE ACCESS

ABBREVIATIONS

FES	FLARED END SECTION
MH	MANHOLE
OC	OFFICE/CORPORATE
OS	OUTLET STRUCTURE
SS	SIDE SLOPE
STM	STORM
TYP	TYPICAL

GENERAL SITE DATA:

1. TOTAL PROJECT AREA = ±260 ACRES
2. ZONING DISTRICT(S):
   PLAINSBORO TOWNSHIP – PMUD ZONE (MEDIUM-HIGH DENSITY)
   SOUTH BRUNSWICK TOWNSHIP – OC ZONE (OFFICE/CORPORATE DISTRICT)
3. SUBJECT PROPERTY WITHIN PLAINSBORO TOWNSHIP CONSISTS OF:
   BLOCK 4, LOTS 3.05, 4.03, AND 5
4. SUBJECT PROPERTY WITHIN SOUTH BRUNSWICK TOWNSHIP CONSISTS OF:
   BLOCK 99, LOTS 3.021, 8.04, 9.01, 10.0211, 12.03, 13, AND 14.

NOTES:

1. WETLANDS BOUNDARIES (WETI) AND STATE OPEN WATER BOUNDARY (SOW) WITHIN SOUTH BRUNSWICK BLOCK 99, LOTS 13 & 3.021, AND BLOCK 98, LOT 10.02, AND PLAINSBORO BLOCK 4, LOT 4.03
WETLANDS BOUNDARIES SHOWN HEREON TAKEN FROM A MAP ENTITLED "PLAN SHOWING EXTENT OF FRESHWATER WETLANDS FOR PRINCETON FORRESTAL ASSOCIATES, SOUTH BRUNSWICK TWP., MIDDLESEX CO., N.J., PLAINSBORO TWP., MIDDLESEX CO., N.J." DATED 8/5/96 AND REVISED THROUGH 4/8/98, PREPARED BY NASSAU SURVEYING, A DIVISION OF VAN NOTE-HARVEY ASSOCIATES, P.C. (FILE NO ES-9-02). VERIFIED UNDER NJDEP FILE NO. 1218-96-004.1, AND REISSUED UNDER NJDEP FILE NO. 1200-03-0004.1FWW030001.

2. TOPOGRAPHY
EXISTING TOPOGRAPHY AND PHYSICAL FEATURES SHOWN HEREON TAKEN FROM AERIAL PHOTOGRAPHY FLOWN ON APRIL 13, 2001, BY SANBORN COLUMBUS, INC. ELEVATIONS SHOWN ARE IN N.A.V.D. 1988.

3. 100-YR FLOODPLAIN
THE 100-YEAR FLOODPLAIN SHOWN ON THESE PLANS FOR HARRY'S BROOK, TRIBUTARY TO HEATHCOTE BROOK, WAS ESTABLISHED BY VAN NOTE-HARVEY ASSOCIATES, FEBRUARY, 2004 USING THE STANDARD STEP BACKWATER ANALYSIS, INCORPORATING FIELD-LOCATED CROSS-SECTIONS COLLECTED BY VNHA (IN 7/03 AND 1/04), AND VERIFIED WITH THE AERIAL TOPOGRAPHY. THE FLOODPLAIN IS SUBJECT TO VERIFICATION BY THE NJDEP PURSUANT TO THEIR REVIEW AS A PENDING STREAM ENCROACHMENT APPLICATION.

4. NO WATER SUPPLY WELLS EXIST WITHIN THE PROPOSED AREA OF DISTURBANCE AS SHOWN HEREON.

5. ALL EXISTING STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.

6. PROPOSED DRCC BUFFER LINES SHOWN HEREON ARE SUBJECT TO REVIEW AND APPROVAL BY THE DELAWARE & RARITAN CANAL COMMISSION PURSUANT TO N.J.A.C. 7:45.

7. THE TRUNK SEWER SIZES, INVERTS AND SLOPES SHOWN HEREON WERE TAKEN FROM PLANS ENTITLED "HARRY'S BROOK TRUNK – SANITARY SEWER PLAN AND PROFILE, PLAINSBORO TOWNSHIP AND SOUTH BRUNSWICK TOWNSHIP" SHEETS 2/5 THROUGH 5/5, DATED 4/5/88 AND REVISED THROUGH 4/4/97, AS PREPARED BY VAN NOTE-HARVEY ASSOCIATES. INVERT ELEVATIONS WERE ADJUSTED BY +1.08 FEET TO CONVERT FROM NAVD 1929 TO NAVD 1983.

8. FOR PURPOSES OF NJDEP REVIEW, ASSUMING FULL BUILD-OUT OF THE PRINCETON NURSERY PROPERTY, THESES PLANS REFLECT DEVELOPMENT OF THE SITE TO THE MAXIMUM IMPERVIOUS COVERAGE PER LOCAL ZONING REQUIREMENTS FOR LANDS SITUATED IN SOUTH BRUNSWICK TOWNSHIP, AND CONSISTENT WITH THE PRINCETON FORRESTAL CENTER MASTER PLAN IN PLAINSBORO TOWNSHIP. ACTUAL IMPERVIOUS COVERAGE OVER THE SITE WILL BE DETERMINED AT THE TIME EACH INDIVIDUAL PARCEL IS DEVELOPED AND VERIFIED WITH THE GOVERNING REQUIREMENTS.

THE APPLICANT SHALL RESERVE THE RIGHT TO MODIFY THE STORMWATER MANAGEMENT FACILITIES, AS SHOWN HEREON, SHOULD THE ACTUAL IMPERVIOUS COVERAGE TO EACH STORMWATER FACILITY END UP LESS THAN THE MAXIMUM.

LEGEND

- PIT 564 87.45 — TEST PIT LOCATIONS DONE FOR GENERAL DEVELOPMENT PLAN
- TP-16 — TEST PIT LOCATIONS DONE FOR EASTERN PROPERTIES
- TP — ADDITIONAL TEST PITS PROPOSED FOR DESIGN OF NURSERY ROAD

GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch = 150 ft.

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY

4/17/08
DATE OF SIGN.

RICHARD K. WIZEMAN
N.J.PROFESSIONAL ENGINEER LIC. NO. 24171

van note – harvey associates, p.c.
consulting engineers, planners & land surveyors
777 Alexander Road * Princeton, NJ 08540
1600 Broadway,Ste. 203 * Westville, NJ 08093
59 East Mill Rd.(Rt.24) * Long Valley, NJ 07853
211 North Main Street * Cape May Court House,NJ 08210

OVERALL TEST PIT LOCATION PLAN
FOR
THE PRINCETON NURSERY
PREPARED FOR
PRINCETON FORRESTAL CENTER

SOUTH BRUNSWICK TOWNSHIP AND PLAINSBORO TOWNSHIP
SCALE 1"= 150'
MIDDLESEX CO., N.J.
APRIL 17, 2008

DRAWN BY JFO/WDV DATE	FIELD BK	ORDER No. 37136-400 -21	FILE No.	SHEET No. 1 OF 1
CHECKED BY BRP DATE	PAGE			

4760-006

LOG OF TEST PIT

TEST PIT NO. 1

COMPLETION DATE: 10/24/07
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +109 ft (±)

WATER LEVEL: *
READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				20" Topsoil	
	S1	12	SM	Light brown fine to coarse sand, and silt, trace fine gravel (moist)(medium dense)	
5			SM	Dark orange-brown fine to medium sand, some silt, little fine to coarse gravel (moist)(medium dense)	5
	S2		SM	Reddish brown fine to medium sand, some silt, little fine to coarse gravel, with occasional cobbles (moist)(medium dense)	
10			SP	Orange-brown fine to medium sand, trace silt, little fine to coarse grav se) - mottled @ 13'	10
15					15
20				Test pit completed @ 17.5' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

Sheet: 1 of 1 PLATE: 3A

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 2

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +108 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				13" Topsoil	
			SM	Orange-brown fine sand, some silt (moist)(medium dense)	
	S1		SM	Light brown fine to medium sand, little to some silt (mottled)(moist)(medium dense)	
5			SM	Orange-brown fine sand, little silt (moist)(medium dense)	5
	S2	17	SM	Reddish brown fine to medium sand, some clayey silt, some fine to coarse gravel (moist)(medium dense)	
10			SM	Ora[illegible]um sand, some silt, some fine to coa[illegible]um dense)	10
15			SP	Light orange-brown fine to medium sand, trace silt, some fine to coarse gravel (moist)(medium dense)	15
20				Test pit completed @ 17' *Groundwater not encountered Possible perched seasonal water @ 13'-5"	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 3

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +105.5 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
			SM	Dark orange-brown fine sand, some silt (moist)(medium dense)	
	S1	7	SM	Pale brown fine sand, some silt (moist)(medium dense) - mottled from 2' to 4'	
5			SM	Light brown fine sand, some silt, little fine gravel (moist)(medium dense)	5
	S2	4	SP/SM	Orange-brown fine sand, trace to little silt, little fine to coarse gravel (moist)(medium dense)	
			SM	Red-brown fine to medium sand, some silt, some fine to coarse gravel (moist)(medium dense)	
10			SM	Orange-brown fine to medium sand, little silt, some fine to coarse gravel (moist)(medium dense)	10
15			SP	Light orange-brown fine to medium sand, trace silt, little fine gravel (moist)(medium dense)	15
20				Test pit completed @ 17.5' *Groundwater not encountered Possible perched seasonal water @ 2' to 4'	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 4

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +108 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				13" Topsoil	
			SM	Orange-brown fine sand, and silt (moist)(medium dense)	
	S1		SM	Light brown fine sand, and silt (moist)(medium dense - mottled from 2' to 4'	
5			SM	Brown fine sand, some silt, little fine to coarse gravel (moist)(medium dense)	5
10			ML	Red-brown clayey silt, some fine to coarse sand, some fine to coar[South Brunswick]m dense)	10
			SP	Orange-brown fine to coarse sand, trace silt, some fine to coarse gravel (moist)(medium dense)	
15	S2	13			15
20				Test pit completed @ 17' *Groundwater not encountered Possible perched shallow groundwater @ 2' to 4"	20
25					25

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 5

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +108 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
0				15" Topsoil	
			ML	Orange-brown fine to medium sand, and silt, trace fine gravel (dry)(medium dense)	
	S1		SM	Dark orange-brown fine to medium sand, some silt, little fine to coarse gravel (moist)(dense)	
5					5
			SM	Red-brown fine to medium sand, some silt, little fine to coarse gravel, with occasional cobbles (moist)(medium dense) - grading (mottled) @ 9.5' - color variegation	
10			SP/SM	Ora[illegible]e sand, trace to little silt, some fine to coa[illegible]um dense)	10
15	S2		ML	Light brown clayey silt, trace fine sand (moist)(stiff)	15
20				Test pit completed @ 17.5' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 6

COMPLETION DATE: 10/24/07 SURFACE ELEVATION: +105 ft (±) WATER LEVEL: *

JOB NUMBER: 3313-011*1D READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				9" Topsoil	
			SM	Light brown fine to medium sand, little silt (moist)(medium dense)	
			SM	Brown fine sand, and silt (moist)(medium dense)	
	S1	3	SP	Yellow-brown fine sand, trace silt (moist)(medium dense)	
5			SM	Dark orange brown fine to medium sand, little silt, little fine to coarse gravel (moist)(medium dense)	5
			SM	Red-brown fine to medium sand, some silt, some fine to coarse gravel, with occasional cobbles (moist)(dense)	
10	S2	25	ML	Light brown clayey silt, little fine to medium sand (very moist)	10
15					15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 7

COMPLETION DATE:
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION:

WATER LEVEL:
READING DATE:

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				Test pit omitted	
5					5
10					10
15					15
20					20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 8

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +107 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1	7	SM	Light brown fine to medium sand, and silt, trace fine gravel (moist)(medium dense) - mottled @ 2'-9" to 3'-6" (seasonal perched saturation)	
5			SM	Orange-brown fine to medium sand, some silt, little fine to coarse gravel (moist)(medium dense) - grading to red-brown with occasional cobbles	5
10	S2	12	SM	Orange-brown fine to medium sand, little silt, some fine to coarse gravel, with occasional cobbles (moist)(medium dense)	10
15			SP	Orange-brown fine to medium sand, trace silt, some fine to coarse gravel (moist)(medium dense)	15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 9

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +102 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				14" Topsoil	
			SM/ML	Light orange-brown fine sand, and silt, trace fine gravel (moist)(medium dense) - mottled @ 3.5' to 4' (perched seasonal saturation)	
5	S1		SP/SM	Light brown fine sand, trace silt interbedded with fine sand, some silt (moist)(medium dense)	5
			SM	Dark orange-brown fine to medium sand, some silt, some fine gravel (moist)(dense)	
10	S2	20	CL	Red silty clay, little fine to coarse sand, trace fine to coarse gravel (mottled)(very moist)(stiff)	10
15			ML	Brown silt, some fine sand (moist)(stiff)	15
20				Test pit completed @ 18' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 10

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +101 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				11" Topsoil	
			SM	Orange-brown fine sand, and silt, some fine gravel (moist)(medium dense)	
			SM	Orange-brown fine sand, some silt, little fine gravel (moist)(medium dense)	
5	S1	22	SM	Red-brown fine to coarse sand, and silt, trace fine gravel (moist)(medium dense)	5
	S2			Orange-brown fine to coarse sand, trace silt, little fine gravel (moist)(medium dense)	
10			SP	South Brunswick	10
				- possible mottlling @ 14'	
15			SP	Brown fine to medium sand, some fine to coarse gravel, trace silt, with occasional cobbles (moist)(dense)	15
20				Test pit completed @ 18'	20
				*Groundwater not encountered	
25					25

NOTES FOR COLUMNS:

1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:

TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 11

COMPLETION DATE:
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION:

WATER LEVEL:
READING DATE:

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				Test pit omitted	
5					5
10					10
15					15
20					20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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LOG OF TEST PIT

TEST PIT NO. 12

COMPLETION DATE: 10/24/07
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +105 ft (±)

WATER LEVEL: *
READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				11" Topsoil	
			ML	Light brown silt, and fine sand, trace fine gravel (moist)(stiff)	
	S1		SM	Red-brown fine to coarse sand, some fine to coarse gravel, some silt (moist)(medium dense)	
5					5
			SP	Orange-brown fine to medium sand, some fine to coarse gravel, trace silt (moist)(medium dense)	
				- grading with occasional cobbles	
10	S2	10			10
15					15
20				Test pit completed @ 17.5'	20
				*Groundwater not encountered	
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 13

COMPLETION DATE: 10/26/07
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +90.5 ft (±)

WATER LEVEL: *
READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				14" Topsoil	
			ML	Light brown silt, little fine sand (moist)(stiff)	
	S1	16	SM	Dark brown fine to coarse sand, and silt, little fine gravel (moist)(medium dense)	
5			SM	Dark orange-brown, fine to medium sand, little silt, some fine to coarse gravel (moist)(mediuim dense)	5
	S2	11	SP	Orange-brown fine to medium sand, trace silt, trace fine gravel (moist)(medium dense)	
10				- grading with occasional gravel	10
				South Brunswick	
				- grading (mottled)	
15					15
20				Test pit completed @ 17'	20
				*Groundwater not encountered	
25					25

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

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MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO. 14

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +101.5 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				13" Topsoil	
			ML/SM	Light brown fine sand, and silt, trace fine gravel (moist)(medium dense)	
5	S1	7	SM	Light brown fine to medium sand, some silt, some fine gravel (moist)(dense)	5
			SM	Red-brown fine to medium sand, some silt, some fine to coarse gravel (moist)(dense)	
10			SP	Orange-brown fine to medium sand, trace silt, some fine to coarse gravel (moist)(medium dense)	10
15			SP	Orange-brown fine to medium sand, trace silt, little fine gravel (moist)(medium dense)	15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 15

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +99 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				16" Topsoil	
	S1		SM/ML	Light brown fine sand, and silt (moist)(medium dense) - mottles 3' to 4' (perched seasonal saturation)	
5	S2	11	SM	Reddish brown fine to coarse sand, some silt, some fine to coarse gravel (moist)(medium dense)	5
10			SM	Orange brown fine to medium sand, little silt, some fine to coarse gravel (moist)(dense)	10
15					15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 16

COMPLETION DATE: 10/24/07
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +94 ft (±)

WATER LEVEL: *
READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1	10	SM	Reddish brown fine to coarse sand, little silt, some fine to coarse gravel (moist)(dense)	
5					5
			SP/SM	Orange-brown fine to medium sand, trace to little silt, some fine to coarse gravel (moist)(medium dense)	
10	S2				10
15			SP	Yellow-brown fine to medium sand, trace silt, little fine to coarse gravel (moist)(medium dense)	15
20				Test pit completed @ 19' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 17

COMPLETION DATE: 10/26/07
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +102 ft (±)

WATER LEVEL: *
READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
0			ML	7" Topsoil	0
				Light brown silt, some fine sand (moist)(stiff)	
			SM	Red-brown fine to coarse sand, some silt, some fine to coarse gravel (moist)(medium dense)	
5	S1	12			5
	S2	8	SP	Orange-brown fine to coarse sand, trace silt, some fine gravel (moist)(medium dense)	
10					10
15					15
20				Test pit completed @ 16' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 18

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +85 ft (±) | WATER LEVEL: 15.5'

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				13" Topsoil	
			ML	Brown silt, some fine sand (moist)(stiff)	
			SM	Brown fine to medium sand, little silt, some fine to coarse gravel (moist)(medium dense)	
			SM	Dark orange-brown fine to medium sand, little silt (moist)(medium dense)	
5	S1	7	SM	Dark orange-brown fine to medium sand, some silt, some fine gravel (moist)(medium dense)	5
10	S2		SP	Orange-brown fine to medium sand, trace silt, little fine to coarse gravel (moist)(medium dense)	10
				- grading (mottled)	
15				- grading (wet)	15
20				Test pit completed @ 17' Groundwater encountered @ 15.5' Estimated seasonal water @ 13'	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 19

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +83 ft (±) | WATER LEVEL: 14'

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1		SM	Orange-brown fine sand, and silt, little fine to coarse gravel (moist)(medium dense)	
5	S2	14	SM	Dark brown fine to coarse sand, some clayey silt, some fine to coarse gravel (moist)(medium dense)	5
10			SP	Orange-brown fine to medium sand, trace silt, some fine to coarse gravel, with occasional cobbles (moist)(medium dense) South Brunswick - grading (mottled)	10
15	S3		SM	Orange-brown fine to medium sand, little silt (wet)(medium dense)	15
20				Test pit completed @ 16.5' Rapid groundwater seepage encountered @ 14' Estimated seasonal water @ 12'	20
25					25

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 20

COMPLETION DATE: 10/24/07 | SURFACE ELEVATION: +90 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/24/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				13" Topsoil	
	S1	14	ML	Dark orange-brown silt, and fine sand (moist)(stiff)	
5			SM	Dark orange-brown fine to medium sand, some silt, little fine to coarse gravel (moist)(medium dense)	5
			SP	Orange-brown fine to medium sand, trace silt, some fine to coarse gravel (moist)(medium dense)	
10			SM	Brown fine to medium sand, some silt, some fine to coarse gravel, with occasional cobbles (moist)(dense)	10
15			SP	Pale brown and orange-brown fine to medium sand, trace silt (moist)(medium dense) - grading (mottled) @ 16'	15
			SM	Brown fine to medium sand, little silt, some fine to coarse gravel (moist)(medium dense)	
20				Test pit completed @ 18' *Groundwater not encountered Estimated seasonal water @ 16'	20
25					25

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 21

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +103 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				7" Topsoil	
			ML	Light brown silt, some fine sand, little fine to coarse gravel (moist)(very stiff)	
	S1	18	SM	Red-brown fine to coarse sand, and silt, little fine to coarse gravel (moist)(dense)	
5					5
	S2	21	SM	Orange-brown fine to medium sand, some silt, some fine to coarse gravel, with occasional cobbles (moist)(medium dense)	
10				South Brunswick	10
15					15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

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LOG OF TEST PIT

TEST PIT NO. 22

COMPLETION DATE: 10/26/07 SURFACE ELEVATION: +102 ft (±) WATER LEVEL: *

JOB NUMBER: 3313-011*1D READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
			SM/ML	Light brown fine sand, and silt, little fine gravel (moist)(medium dense)	
	S1	19	SM	Reddish brown fine to medium sand, and clayey silt, some fine to coarse gravel, with occasional cobbles (moist)(dense)	
5					5
			SM	Orange-brown fine to coarse sand, some silt, some fine to coarse gravel, with occasional cobbles (moist)(dense)	
10				South Brunswick	10
15	S2	22			15
				Test pit completed @ 18'	
20				*Groundwater not encountered	20
25					25

NOTES FOR COLUMNS:

1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:

TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

Sheet: 1 of 1 PLATE: 3V

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 23

COMPLETION DATE: 10/26/07 | SURFACE ELEVATION: +111 ft (±) | WATER LEVEL: *

JOB NUMBER: 3313-011*1D | READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
			ML	Light brown clayey silt, and fine sand (moist)(stiff)	
5	S1	25	SM	Red-brown fine to coarse sand, and silt, little fine gravel, with occasional cobbles (very moist)(dense)	5
10			SM	Orange-brown fine to medium sand, some silt, some fine to coarse gravel, with occasional cobbles (moist)(medium dense)	10
15					15
20				Test pit completed @ 16' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

Sheet: 1 of 1 PLATE: 3W

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO. 24

COMPLETION DATE: 10/26/07 SURFACE ELEVATION: +110 ft (±) WATER LEVEL: *

JOB NUMBER: 3313-011*1D READING DATE: 10/26/07

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				10" Topsoil	
			ML	Light brown silt, some fine sand (dry)(stiff)	
5	S1	2	SM	Light brown fine sand, little silt, trace fine gravel (dry)(dense)	5
	S2	25	SM	Reddish brown fine to coarse sand, some clayey silt, some fine to coarse gravel, with occasional cobbles (very moist)(dense)	
10			SM	Orange-brown fine to medium sand, little silt, little fine to coarse gravel, with occasional cobbles (moist)(dense)	10
15					15
20				Test pit completed @ 17' *Groundwater not encountered	20
25					25

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 11/07

Sheet: 1 of 1 PLATE: 3X

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 25

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +67.4 ft (±)

WATER LEVEL: 2'
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				16" Topsoil	
	S1		ML	Brown silt, some fine sand (very moist to wet)(medium) - mottled @ 16"	
5					5
10				Test pit completed @ 3' Rapid groundwater seepage encountered @ 2'-4"	10
15					15
20					20

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2A

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 26

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +70.4 ft (±)

WATER LEVEL: 5'-6"
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				10" Topsoil	
	S1		ML	Brown silt, some fine sand (very moist) - mottled @ 18"	
			SM	Brown fine to medium sand, some fine gravel, little silt (mottled)(moist)(medium dense)	
	S2		SM	Orange-brown fine to medium sand, some fine gravel, little silt (mottled)(moist)(medium dense)	
5			SP	Orange-brown fine sand, trace silt (wet)(medium dense)	5
				South Brunswick	
10				Test pit completed @ 7'	10
				Moderate groundwater seepage encountered @ 5'-6"	
15					15
20					20

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2B

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 27

COMPLETION DATE: 1/21/08 SURFACE ELEVATION: +77.5 ft (±) WATER LEVEL: 10'

JOB NUMBER: 3313-011*1D READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				18" Topsoil	
	S1		ML	Brown clayey silt, little fine sand (moist)(medium)	
5	S2		SM	Brown fine to medium sand, some silt, little fine gravel (moist)(medium dense)	5
	S3		SM	C dium sand, little silt, trace fine gravel (dium dense) - grading (wet)	
10					10
				Test pit completed @ 11'	
15				Moderate groundwater seepage encountered @ 10'	15
20					20

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2C

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 28

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +82.7 ft (±)

WATER LEVEL: 14'
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1		ML	Brown variegated clayey silt, little fine sand (moist)(stiff)	
	S2		SM	Brown fine sand, little silt (moist)(medium dense)	
5	S3		SM	Orange-brown fine to coarse sand, some silt, some fine to coarse gravel (moist)(medium dense)	5
	S4		SP	edium sand, trace silt, trace fine gravel (moist)(medium dense) - mottled @ 13' - grading (wet) @ 14'	10
15					15
				Test pit completed @ 16' Rapid groundwater seepage encountered @ 15'	
20					20

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2D

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 29

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +67.4 ft (±)

WATER LEVEL: 3'
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				16" Topsoil	
	S1		ML	Light brown silt, some fine sand (moist)(medium) - mottled @ 18"	
	S2		SM	Brown fine to medium sand, little silt, some fine to coarse gravel (mottled)(moist to wet)(medium dense)	
5					5
				Test pit completed @ 5'	
				Moderate groundwater seepage encountered @ 3'	
10					10
15					15
20					20

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2E

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 30

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +71.7 ft (±)

WATER LEVEL: 6'
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				14" Topsoil	
			ML	Light brown silt, little fine sand (moist)(medium)	
			SM	Brown fine to medium sand, some silt, little fine gravel (moist)(medium dense) - mottled @ 4'	
5	S1 S2		SP	Yellow-brown fine to medium sand, trace silt, some fine to coarse gravel (mottled)(moist)(medium dense)	5
10				Test pit completed @ 7' Moderate groundwater seepage encountered @ 6'	10
15					15
20					20

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2F

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 31

COMPLETION DATE: 1/21/08
JOB NUMBER: 3313-011*1D

SURFACE ELEVATION: +76.5 ft (±)

WATER LEVEL: 9.5'
READING DATE: 1/21/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				11" Topsoil	
			ML	Brown clayey silt, little fine sand (moist)(soft)	
			SM	Brown fine to medium sand, some silt, some fine to coarse gravel (moist)(medium dense)	
5	S1		SP	Orange-brown fine to medium sand, trace silt (moist)(medium dense)	5
				- mottled @ 7'	
10	S2		SP	Dark reddish brown fine to medium sand, trace silt, some fine gravel (wet)(medium dense)	10
15				Test pit completed @ 11' Rapid groundwater seepage encountered @ 9.5' Sidewalls collapsed @ 7'	15
20					20

South Brunswick

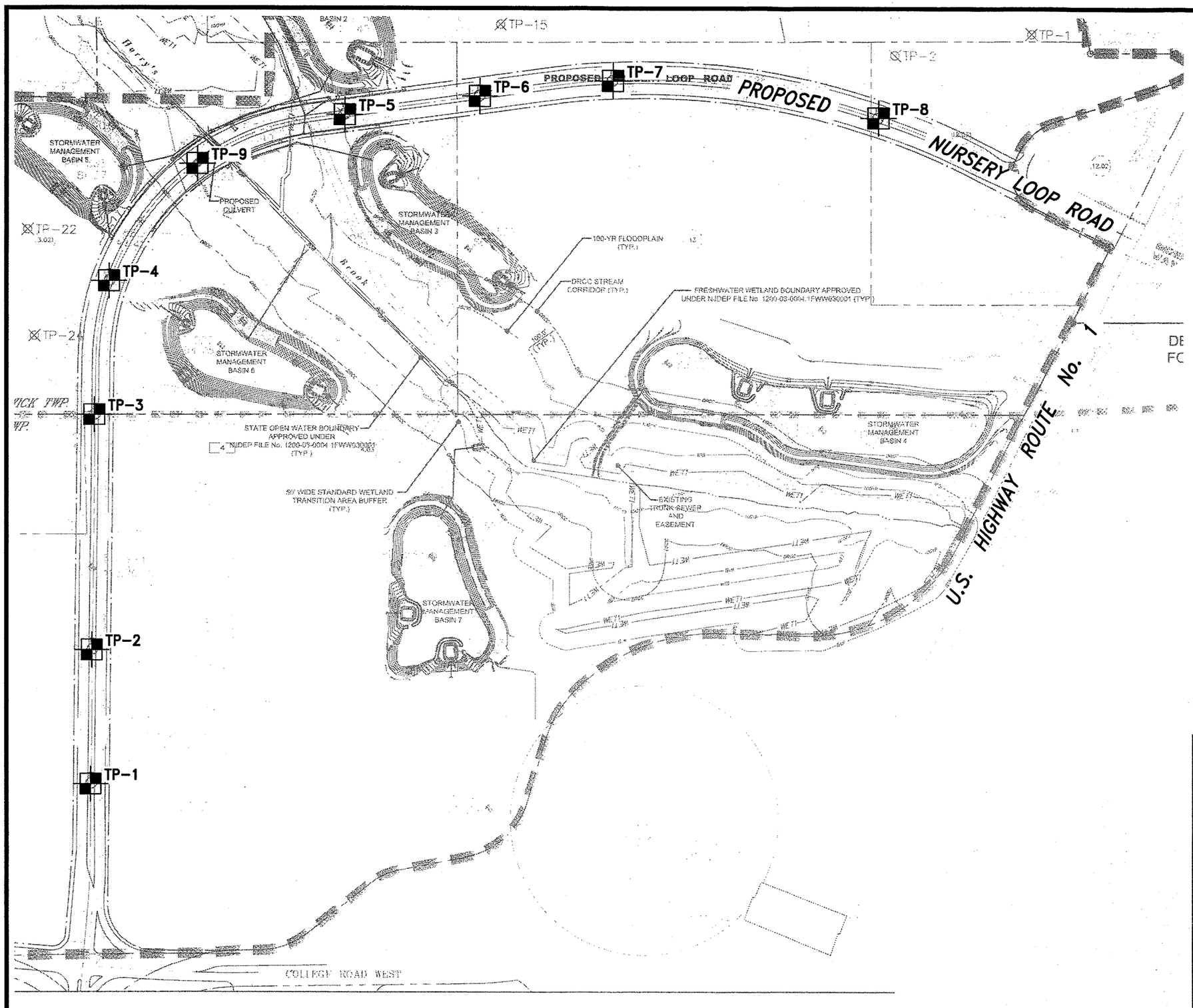
NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: pr/mh 01/08

Sheet: 1 of 1 PLATE: 2G

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants



KEY:

TP-1 — NUMBER AND APPROXIMATE LOCATION OF TEST PITS PERFORMED FOR THIS STUDY

NOTES:

1. This drawing is part of Melick–Tully and Associates, P.C. Report No. 4760–006*1D and should be read together with the report for complete evaluation.
2. General layout was obtained from a drawing prepared by Van Note–Harvey, entitled "Overall Test Pit location Plan", dated 4–17–08, scale 1"=150'.

PLOT PLAN

PROPOSED NURSERY ROAD
SOUTH BRUNSWICK, NEW JERSEY
PRINCETON FORRESTAL CENTER

MELICK–TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers
& Environmental Consultants
117 Canal Road
South Bound Brook, New Jersey 08880
(732) 356–3400

JOB NO.	FILE NO.			
4760–006*1D	23681			
DR. BY	CHK. BY	DATE	SCALE	PLATE
VJD	SLD	6–27–08	1"=300'	2

LOG OF TEST PIT

TEST PIT NO: 1

COMPLETION DATE: 6/23/08
JOB NUMBER: 4760-006*1D

SURFACE ELEVATION: +119.5 ft (±)

WATER LEVEL: *
READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1	14.6	SM	Red-brown fine to coarse sand, some clayey silt, trace fine gravel (moist)(medium dense)	
5	S2				5
	S3		SM	Red-brown (mottled) fine to coarse sand, little silt, little fine to coarse gravel (moist)(medium dense)	
10			SM	Brown (mottled) fine to coarse sand, some silt, some fine gravel (moist)(medium dense) - grading (wet)	10
	S4	45.5			
				Test pit completed @ 12' *Groundwater seepage not encountered Mottling observed @ 8' to 12'	
15					15

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3A

MELICK-TULLY AND ASSOCIATES, P.C.
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LOG OF TEST PIT

TEST PIT NO: 2

COMPLETION DATE: 6/23/08 SURFACE ELEVATION: +114 ft (±) WATER LEVEL: *

JOB NUMBER: 4760-006*1D READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				8" Topsoil	
	S1	17.1	ML	Brown clayey silt, trace fine gravel (very moist)(medium)	
	S2	49.2		- mottling (hanging water) observed @ 2-1/2' (wet)	
5			SM	Red-brown fine to coarse sand, some silt, little fine to coarse gravel (moist)(medium dense)	5
	S3		SM	Brown (mottled) clayey silt, trace fine sand (moist)(stiff)	
10			SM	Brown (mottled) fine to coarse sand, some clayey silt, some fine to coarse gravel (moist)(medium dense)	10
				Test pit completed @ 12' *Groundwater seepage not encountered Mottling observed @ 8' to 12' Wet soils, hanging water observed @ 2-1/2'	
15					15

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3B

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 3

COMPLETION DATE: 6/23/08 SURFACE ELEVATION: +111 ft (±) WATER LEVEL: *

JOB NUMBER: 4760-006*1D READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
			ML	Brown clayey silt, some fine to coarse gravel (very moist)(stiff)	
	S1	17.9	SM	Red-brown fine to medium sand, some clayey silt, trace fine gravel (moist)(medium dense)	
	S2				
	S3	9.7			
5					5
	S4		SM	Brown fine to coarse sand, some silt, some fine to coarse gravel, with cobbles and boulders (moist)(medium dense)	
10			SM	Red-brown fine to medium sand, little silt (moist)(medium dense)	10
	S5				
				Test pit completed @ 11' *Groundwater seepage not encountered	
15					15

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3C

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 4

COMPLETION DATE: 6/23/08 SURFACE ELEVATION: +97.5 ft (±) WATER LEVEL: *

JOB NUMBER: 4760-006*1D READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				6" Topsoil	
	S1	5.0		FILL - Brown fine to coarse sand, little silt, some fine gravel (moist)(medium dense)	
	S2			FILL - Red-brown fine to medium sand, some clayey silt, little fine to coarse gravel (moist)(medium dense) - 8" diameter steel pipe	
5			SM	Red-brown fine to medium sand, some clayey silt, little fine to coarse gravel (moist)(medium dense) - mottling @ 8-1/2'	5
10	S3		ML	Red-brown (mottled) clayey silt, some fine to medium sand, little fine to coarse gravel (moist)(stiff)	10
15				Test pit completed @ 11-1/2' *Groundwater seepage not encountered Motting observed @ 8-1/2'	15

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3D

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 5

COMPLETION DATE: 6/23/08
JOB NUMBER: 4760-006*1D

SURFACE ELEVATION: +83 ft (±)

WATER LEVEL: 8.5'
READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1	9.1	SM	Brown fine sand, and silt (moist)(medium dense)	
	S2	10.9		- grading with cobbles @ 3-1/2'	
5	S3	11.9	SM	Red-brown fine to coarse sand, some silt, some fine to coarse gravel, with cobbles (moist)(medium dense)	5
	S4		SM	Yellow-brown (mottled) fine to coarse sand, little silt, little fine to coarse gravel (moist)(medium dense) - slight groundwater seepage @ 8'	
10					10
				Test pit completed @ 11' Slight groundwater seepage @ 8-1/2' Motting observed @ 7'	
15					15

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3E

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 6

COMPLETION DATE: 6/23/08 SURFACE ELEVATION: +95.5 ft (±) WATER LEVEL: *

JOB NUMBER: 4760-006*1D READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				6" Topsoil	
	S1	10.1	SM/ML	Brown fine sand, and silt (moist)(medium dense)	
5	S2	11.1	SM	Red-orange-brown fine to coarse sand, some silt, some fine gravel (moist)(medium dense)	5
10			SM	Brown fine to coarse sand, little silt, little fine to coarse gravel (moist)(medium dense)	10
15				Test pit completed @ 11-1/2' *Groundwater seepage not encountered	15

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3F

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 7

COMPLETION DATE: 6/23/08 SURFACE ELEVATION: +98 ft (±) WATER LEVEL: *

JOB NUMBER: 4760-006*1D READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				12" Topsoil	
	S1	14.3	SM	Brown fine to medium sand, and silt (moist)(medium dense)	
5			SM	Red-brown fine to coarse sand, little silt, some fine to coarse gravel (moist)(medium dense)	5
10				- mottling @ 10'	10
15				Test pit completed @ 12' *Groundwater seepage not encountered Mottling observed @ 10'	15

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3G

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 8

COMPLETION DATE: 6/23/08
JOB NUMBER: 4760-006*1D

SURFACE ELEVATION: +108.5 ft (±)

WATER LEVEL: *
READING DATE: 6/23/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
				36" Topsoil	
	S1				
			SM	Brown fine sand, and silt, trace fine gravel (moist)(medium dense)	
5	S2			- hanging mottling observed @ 5'	5
				South Brunswick	
			SM	Red-brown fine to coarse sand, some silt (moist)(medium dense)	
10					10
				Test pit completed @ 11' *Groundwater seepage not encountered Hanging mottling observed @ 5'	
15					15

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3H

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LOG OF TEST PIT

TEST PIT NO: 9

COMPLETION DATE: 6/26/08 | SURFACE ELEVATION: +81 ft (±) | WATER LEVEL: 5'

JOB NUMBER: 4760-006*1D | READING DATE: 6/26/08

DEPTH	SAMPLES (1)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION	DEPTH
	S1			30" Topsoil	
	S2	24.2	SM	Dark brown fine sand, and clayey silt, little fine to coarse gravel (wet)(dense)	
5			SM	Gray-brown (mottled) fine to medium sand, some silt, some fine to coarse gravel, with cobbles and boulders (wet)(medium dense) - r[illegible]age @ 5'	5
	S3		ML	Dark brown clayey silt, little fine to coarse sand, little fine to coarse gravel (wet)(very stiff)	
	S4				
10					10
				Test pit completed @ 11' Groundwater seepage encountered @ 5' Mottling observed @ 5'	
15					15

South Brunswick

NOTES FOR COLUMNS:
1. SAMPLE AT AVERAGE SAMPLING DEPTH

SOIL DESCRIPTION MODIFIERS:
TRACE 0 - 10%
LITTLE 10 - 20%
SOME 20 - 35%
AND OVER 35%

Typist/Date: sjs/mh 06/08

Sheet: 1 of 1 PLATE: 3I

MELICK-TULLY AND ASSOCIATES, P.C.
Geotechnical Engineers and Environmental Consultants

LEGEND

TP-562 TEST PITS PERFORMED PREVIOUSLY

TP-528 TEST PITS PERFORMED FOR THIS STUDY

NOTES

GENERAL LAYOUT WAS OBTAINED FROM A DRAWING PREPARED BY VAN NOTE HARVEY ASSOC., DATED 3-24-2004

TEST PIT LOCATION PLAN

PRINCETON FORRESTAL CENTER

PRINCETON FORRESTAL CENTER NURSERY-BRIDGE AND LOOP ROAD

SOUTH BRUNSWICK, NEW JERSEY

SOR TESTING LABORATORIES,INC.

Geotechnical Engineering - Materials Testing - Forensic Studies

98 Sand Park Road, Cedar Grove, New Jersey 07009

Prepared By: A.S.	Approved By: P.G.M.	DRAWING NO.
Date: 4-13-2004	Date: 4-14-2004	04-101
Scale: N.T.S.	Report No. : 04 04-1232I	Sheet No. 1 Of 1

SOR TESTING LABORATORIES, INC.	TEST PIT LOG	TEST PIT NO. 522
CLIENT Princeton Forrestal Center		GSE +77.4' WATER LEVEL See Below
PROJECT Princeton Forrestal Center Nursery -- Proposed Bridge		DATE 3-31-04
LOCATION South Brunswick, New Jersey		JOB NO. 04-101 REPORT NO. 04-1232

DEPTH FT.	DENSITY	MOISTURE	DESCRIPTION	REMARKS
1			Topsoil 16"	Bag Sample @ 2'
2				
3		Moist	Mottled Yellow brown to Gray coarse to fine SAND, and SILT, trace medium to fine Gravel 3'-0"	
4		Moist	Pale brown to Gray SILT, some fine Sand	
5				Seepage @ 5', 7'
6			Boulders @ 4' – 6' 6'-0"	
7		Moist	Yellowish brown to Grayish brown coarse to fine Sand, some Silt, some coarse to fine Gravel/Cobbles	
8				
9				
10				
11				
12			Test Pit completed @ 10'-0"	
13				
14				
15				
16				
17				
18				
19				
20				

South Brunswick

EXCAVATOR: R. Wagner
EQUIPMENT: Track Backhoe
STL REPRESENTATIVE: A. Sencar

SOR TESTING LABORATORIES, INC.	TEST PIT LOG	TEST PIT NO. 523
CLIENT Princeton Forrestal Center		GSE +79.1' WATER LEVEL See Below
PROJECT Princeton Forrestal Center Nursery – Proposed Bridge		DATE 3-31-04
LOCATION South Brunswick, New Jersey		JOB NO. 04-101 REPORT NO. 04-1232

DEPTH FT.	DENSITY	MOISTURE	DESCRIPTION	REMARKS
1			Topsoil 16"	Bag Sample @ 2'
2				
3		Moist	Yellowish brown and gray coarse to fine Sand, some Clayey Silt, and coarse to fine Gravel, trace roots (Fill) 3'-0"	
4		Moist	Red brown, Gray, Yellow brown coarse to fine Sand, some coarse to fine Gravel/Cobbles, wire (Fill)	Seepage 3',5',6',8'
5				
6				
7			7'-0"	Water @ 8'
8		Moist	Mottled Grey to Yellowish brown Clayey SILT, and coarse to fine Sand, some coarse to fine Gravel	
9				
10				
11				
12				
13				
14			Test Pit completed @ 13'-0"	
15				
16				
17				
18				
19				
20				

South Brunswick

EXCAVATOR: R. Wagner
EQUIPMENT: Backhoe
STL REPRESENTATIVE: A. Sencar

SOR TESTING LABORATORIES, INC.	TEST PIT LOG	TEST PIT NO. 528
CLIENT Princeton Forrestal Center		GSE +101.0' WATER LEVEL NE
PROJECT Princeton Forrestal Center Nursery -- Proposed Loop Road		DATE 3-31-04
LOCATION South Brunswick, New Jersey		JOB NO. 04-101 REPORT NO. 04-1232

DEPTH FT.	DENSITY	MOISTURE	DESCRIPTION	REMARKS
1			Topsoil 5"	
2		Moist	Yellowish brown medium to fine SAND, and Silt, trace medium to fine Gravel	Bag Sample @ 3'
3				
4			4'-0"	
5			Red brown coarse to fine Sand, and Clayey Silt, little medium to fine Gravel	
6		Moist		
7				
8				
9			Test Pit completed @ 8'-0"	
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

South Brunswick

EXCAVATOR: R. Wagner
EQUIPMENT: Backhoe
STL REPRESENTATIVE: A. Sencar

SOR TESTING LABORATORIES, INC.	TEST PIT LOG	TEST PIT NO. 534
CLIENT Princeton Forrestal Center		GSE +112.8' WATER LEVEL See Below
PROJECT Princeton Forrestal Center Nursery – Proposed Loop Road		DATE 3-31-04
LOCATION South Brunswick, New Jersey		JOB NO. 04-101 REPORT NO. 04-1232

DEPTH FT.	DENSITY	MOISTURE	DESCRIPTION	REMARKS
1			Topsoil 8"	
2		Moist	Pale Brown SILT, some fine Sand	Bag Sample @ 3'
3				
4			4'-0"	Seepage @ 4'
5		Moist	Mottled Gray to Yellowish brown Clayey SILT, some medium to fine Sand	
6			6'-0"	
7		Moist	Gray Clayey SILT, some medium to fine Sand, little coarse to fine Gravel	
8				
9			Test Pit completed @ 8'-0"	
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

EXCAVATOR: R. Wagner
EQUIPMENT: Track Backhoe
STL REPRESENTATIVE: A. Sencar

SOR TESTING LABORATORIES, INC.	TEST PIT LOG	TEST PIT NO. 562
CLIENT Princeton Forrestal Center		GSE NA WATER LEVEL 10'
PROJECT Princeton Forrestal Center Nursery		DATE 7-9-03
LOCATION South Brunswick, New Jersey		JOB NO. 03-265 REPORT NO. 03-4024

DEPTH FT.	DENSITY	MOISTURE	DESCRIPTION	REMARKS
1			Topsoil 6"	
2			Brown coarse fine Sand, and Silt, some coarse to fine Gravel	
3				
4				
5				S-1 2' – 8'
6				
7				
8			8'	
9			Mottled Grav to Yellow brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel, Cobbles, Boulders	
10			South Brunswick	seepage @ 10'
11				
12			-@ 12' becoming more sandy	S-2 8' – 13'
13				
14			Test Pit completed @ 13"	
15				
16				
17			Test Pit Location: 557545.0867 461044.7170	
18				
19				
20				

EXCAVATOR: R. Wagner
EQUIPMENT: Backhoe
STL REPRESENTATIVE: A. Sencar

APPENDIX B

Scale

0 200 400

Feet

Legend

Remediation Area

Sample Locations

Note:
Remedial areas are not delineated. The approximate dimensions shown on this map are based on limited data and review of historic aerial photographs / farm layout. Delineation of these areas is required, and the actual extent of the remediation will depend on the results of delineation sampling. This map is only for preliminary approximation.

Sample Location Map

Princeton Nurseries Site
Plainsboro, New Jersey

Source: NJOIT, OGIS. 2021. NJ 2020 High Resolution Orthophotography.

EcolSciences, Inc.
Environmental Management & Regulatory Compliance

Date: 6/16/22

Scale 1:9,224

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