



## ***Rodota Fill Site***

### ***Material Acceptance Plan***



***Block 48 / Lot 6.02***

***401 S Bridgeville Rd, Belvidere, NJ 07823***

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### List of Exhibits:

1. Warren County Soil Conservation District Facility Permit
2. Soil Erosion & Sedimentation Control Plan
3. Grading Plan

## 1. Overview

The Rodota Fill Site (Rodota) is now accepting soil and construction site fill material for beneficial use pursuant to their approved Soil Erosion Control Plan. Rodota comprises approximately 15.5 acres and is located at 401 S Bridgeville Road in White Township, Warren County New Jersey 07823 (Block 48 / Lot 6.02) and is referred to herein as “the Site,” or “the Facility.”

The Facility is permitted to accept material under its Soil Erosion Control Plan approved by the Warren County Soil Conservation District (Facility ID #: 16017-12015-08095) on September 9<sup>th</sup>, 2015 (**Exhibit 1**). Rodota operates in accordance with New Jersey State Department of Environmental Protection (NJDEP) Residential Direct Contact Soil Remediation Standards and New Jersey Soil Erosion and Sediment Control Act, Chapter 251, P.L.1975 as amended. The grading plan for the Site includes the need to import additional clean fill material below the Residential Direct Contact Soil Remediation Standards (RDCSRS) for beneficial use. The Facility also operates under its approved Soil Erosion and Sedimentation Control Plan (SE & SC) (**Exhibit 2**) and Grading Plan (**Exhibit 3**).

This Material Acceptance Plan (“MAP”) document outlines the minimum requirements for fill acceptance procedures, including types of materials, the application and review process, sampling and analysis requirements, and field quality assurance/quality control (QA/QC) procedures.

## 2. Physical Setting of Rodota

The soils at the Site are classified as Washington Loam (USDA, 1979), which is a brown, yellow-brown, red-brown silty clay glacial deposit. This soil unit is generally homogenous within the Belvidere area, contains traces of sand and gravel in some areas and may be a clayey silt rather than silty clay. The underlying bedrock at the Site is comprised primarily of dolostone (Drake et al., 1996). The bedrock consists of two major geologic units (as mapped by Drake et al. 1996 and Herman et al. 1994) that range in age from the late Cambrian through the early Ordovician periods. The first unit, the Allentown Formation, is present throughout the northern and central portions of the Site and consists of a very fine to medium grained, gray to dark gray dolomite with some interbedded shale or shaley dolomite. The second unit, the Beekmantown Group, consists of the Upper Part that covers the extreme southeastern portion of the Site and the Lower Part, which occurs in two bands within the central and southeastern portions of the Site. The Upper Part of the Beekmantown Group is comprised of fine to medium-grained dolomite and the Lower Part of the Beekmantown Group is comprised of very fine to medium-grained dolomite with limestone and chert lenses (Carleton and Gordon, 2007). The thickness of the Allentown Formation is approximately 1,900 feet and the thickness of the Beekmantown Group is reported to be up to 700 feet (Carleton and Gordon, 2007).

### 3. Compliance Measures & Regulatory Background

EarthEfficient (EE) provides professional Third-Party Environmental Oversight on behalf of Rodota to ensure regulatory compliance. EE has been tasked to review and evaluate all documentation that is provided and associated with the proposed donor sources, and then manage and control the transfer of fill into the Facility. The following Material Acceptance Plan (“MAP”) for the Facility has been developed in general accordance with The New Jersey Department of Environmental Protection guidance document entitled, “Fill Material Guidance for SRP Sites,” (April 2015, Version 3.0) which is herein referred to as “the Guidance”.

While the Guidance was originally developed for sites regulated under the Site Remediation Program (“SRP”), it is the only NJDEP document that outlines a procedure for certification of clean fill. For non-SRP sites (such as the Rodota Site), it is the responsibility of the receiving site owner to determine what level of risk they are willing to take in assessing fill that they import. A conservative approach may require fill sources to be analyzed in strict accordance with the Guidance; however, if the site is not in the SRP, many times a reduced sampling frequency may be instituted with reasonable justification. Whereas the sampling frequencies developed in the Guidance document are **not** binding to non-SRP sites, the Guidance *exceeds any current regulatory requirements established by the NJDEP required to document clean soil*. Although the Facility is not regulated under the Site Remediation Program, we have chosen to mirror its spirit. The Guidance specifies what qualifies as reasonable justification for reduced sampling frequencies, so the specific sampling program chosen for proposed donor sources shall be made on an individualized basis following the review of that sources’ historical information, site investigation reports, sampling analysis performed by a NJ registered or certified laboratory, and site inspections. To ensure that appropriate sampling frequencies are followed and only the highest quality of fill is imported to the Site, an exhaustive due diligence review process and import protocols shall be instituted, designed to protect both the Facility and as well as the donor source/generator.

### 4. Acceptable & Unsuitable Material Types

Rodota is permitted to accept only chemically clean soil and construction site fill material below the Residential Direct Contact Soil Remediation Standards (RDSCRS) obtained from:

- Other licensed quarries and/or mines
- Undeveloped land previously used for agriculture
- Drill Spoils generated from foundation activities
- Residential, commercial and/or industrial sites.

The following material types or materials containing any of the following will not be accepted for use at the Site:

- Material defined as a Solid, Municipal solid waste (“MSW”), Industrial, Hazardous Waste, NORM waste, putrescible wastes, vegetative wastes, medical/bio-hazard wastes and special/universal wastes
- Fill obtained from NJDEP licensed Class B Recycling Facilities
- Spoils derived from dredging operation
- Asbestos-Containing Material (friable or non-friable)
- Listed or characteristic hazardous wastes as determined pursuant to N.J.A.C. 7:26G or 40 CFR Part 261
- Materials containing dioxin

- Materials containing radioactive materials above natural background
- Materials containing Chromite Ore Processing Residue (i.e., material with potential for elevated hexavalent chromium)
- Materials containing PCBs above the most restrictive SRS
- Malodorous material causing an objectionable odor
- Materials that arrive at the Site that do not conform to the description provided in the approved Application.

The Site Review process will evaluate potential donor sources for these issues and inspections of incoming loads shall verify no evidence of unsatisfactory material is present.

## 5. Sampling Requirements

As outlined above, the NJDEP guidance document entitled, "Fill Material Guidance for SRP Sites," (April 2015, Version 3.0) which is herein referred to as "the Guidance" determines what qualifies as reasonable justification for reduced sampling frequencies and specifies that there is no defined protocol regarding the frequency or analysis for clean fill sampling for use on non-SRP sites. Therefore, the following Classes have been developed to identify the proper sampling program, i.e. frequency, for donor sources presenting to the Facility:

- Class I - Fill from other licensed quarry/mines or from sites with undisturbed geological formations which are not suspected to have been impacted by discharges from on or offsite; or, Soils obtained from undeveloped land previously used for agricultural, passive recreation, etc. with no significant paved parking facilities or significant historic development. This includes soils obtained from a donor site with a previous history of use as orchards or sod farms;
- Class II - Fill obtained from non-industrial commercial sites, residential developments, etc. with no history of Recognizable Environmental Conditions (RECs), other than environmental impacts related to oil or fuel for on-site consumption only.
- Class III - Fill obtained from industrial, commercial or residential sites undergoing excavation, site work, or remediation with oversight by an Environmental Consultant or Licensed Site Remediation Professional (LSRP).

## 6. Rodota Fill Acceptance Sampling Frequency

Volume in Cubic Yards (range)		Class I	Class II	Class III
<b>Required Number of Samples</b>				
0	20	1	1	1
20.1	40	1	2	2
40.1	60	1	2	2
60.1	80	1	2	2
80.1	100	1	2	2
100.1	200	1	2	3
200.1	300	1	2	3
300.1	400	2	3	4
400.1	500	2	3	4
500.1	600	2	4	5
600.1	700	2	4	5
700.1	800	2	4	6
800.1	900	2	4	6
900.1	1,000	3	5	7
1000.1	2,000	3	6	8
2000.1	3,000	3	6	9
3000.1	4,000	4	7	10
4000.1	5,000	4	8	11
5000.1	6,000	4	8	12
6000.1	7,000	5	9	13
7000.1	8,000	5	10	14
8000.1	9,000	5	10	15
9000.1	10,000	6	11	16
10000.1	11,000	6	12	17
11000.1	12,000	6	12	18
<b>Plus, 1 sample per additional:</b>		<b>3,000 yds.</b>	<b>2,000 yds.</b>	<b>1,000 yds.</b>

## 7. Rodota Fill Acceptance Sampling Analysis

#	Test/Parameter	USEPA ASTM Method No.
1	TCL VOCs +10	8260
2	SVOCs	8270
3	PCBs	8082
4	Pesticides	8081
5	Total TAL Metals	7470A / 6010
6	TCLP Metals	1311
7	Hexavalent Chromium (Cr6) Trivalent Chromium (Cr3)	7196 By Calculation
8	RCRA Characteristics (40 CFR Part 261 Subpart C)	Ignitability (IGN): 1030 Corrosivity: 9040C <b>Reactivity:</b> Reactive CN: 7.3 Reactive S: 7.3
9	Total Cyanide (CN)	9012
10	Petroleum Hydrocarbons: TPH / EPH (to C44)	NJEPH
11	Paint Filter	9095

## 8. Rodota Fill Acceptance Sampling Collection

The samples should be acquired by a trained technician or a qualified person in accordance with the *NJDEP Field Sampling Procedures Manual* (August 2005 and various updates) and analyzed in accordance with the N.J.A.C 7:26E *Technical Requirements for Site Remediation (TRSR)*.

Sampling of the proposed clean fill should be based on a systematic approach developed to determine the clean soil characteristics. Typically, a series of field screened, discrete grab samples will be collected, biased to areas of suspected contamination, if any. For undisturbed in-situ soil, samples should be collected at the surface and at depth to ensure that the samples are representative of the total volume of material that may be used as clean fill. Where a large stockpile of proposed clean soil has already been staged, sampling should be statistically designed to collect representative samples from the surface and interior of the stockpile. While Discrete sampling is preferred by the NJDEP, however, in **all cases** laboratory data from composite sampling may be utilized for the characterization of a proposed clean fill source. The sampling frequencies need to account for the depths of the donor soils to be removed.

Each discrete soil sample, whether used for composite or discrete sampling, shall be subject to immediate screening upon collection using a suitable Photo-Ionization Detector (PID (or equivalent) and be subject to visual inspection. If elevated PID readings are observed (greater than 10 ppm above background), a discrete volatile organic sample must also be collected. In this case, the discrete sample with the highest PID reading or, alternatively, when no difference in PID readings is observed, the discrete sample with the greatest visual/olfactory evidence of contamination will be submitted to the laboratory for VOC analysis. Because of volatile organic compound (VOC) losses during homogenization, composite samples are not acceptable for VOC characterization. Discrete samples for VOC analysis shall be collected from one of the sub-samples used for compositing, which should be biased to the highest field screening results or visual and/or olfactory observations for VOC contamination.

## 9. Rodota Fill Material Acceptance Procedures

Donor sources must be approved for use at the Site by EE prior to fill import. The owner/operator of a potential donor source (Applicant) will complete, sign and submit a Fill Material Source Application. The application will include donor source location, a complete information package and all necessary testing results to conduct a Site Review. In addition, the Applicant will provide the names and contact information of all persons involved with the source preparation and transportation of fill. The Applicant will certify the proposed quantity of material, the physical and chemical characteristics of the material, the history of the donor source, environmental regulatory involvement at the donor source and provide all available reports/sample data.

Upon receipt, EE will assign a unique number to the Application. The package will then be reviewed for administrative completeness to verify that all pertinent fields in the Application have been completed and that all required information is attached. Any administrative deficiencies identified will be reported to the applicant for correction.

Subsequently, EE will conduct the Site Review, including review of the information package provided with the Application to determine if the donor source meets the requirements of this MAP. The Site Review may include independent research to determine and verify a source's use and regulatory history. Once EE



determines a proposed donor source is viable based on the due diligence documentation, EE shall proceed with the evaluation of the material.

Specifically, EE will ensure that the sampling and characterization of the material have been conducted in accordance with the applicable requirements set forth herein. If the sampling and analytical characterization are performed properly, EE will determine the adequacy of the proposed fill material based on the criteria established for the Site. EE may conduct an inspection of the potential donor source and may collect confirmatory soil samples of the proposed fill material for analysis at any time during the approval process. If the material is deemed acceptable from a chemical perspective, EE will then evaluate the geotechnical characteristics of the material against the requirements and needs of the Site.

Upon completing the review of the Application, EE will issue a determination as to the suitability of the use of the proposed donor material at the Site in the letter format. Conditional approvals may also be issued in this format with requests for additional information and/or sample analyses. Each approval or denial letter will include the unique donor application number and approval code (as applicable), the donor source location and the EE's signature certifying the determination.

### **9.1. Transportation Controls**

All scheduling of donor fill transportation to the Site will be coordinated with EE by the donor. The donor shall notify EE of the proposed schedule and any subsequent changes to the proposed transportation schedule. EE will ensure that all transportation vehicles accessing the Site will be covered by enough insurance coverage, as commercially reasonably determined by the Facility, including but not limited to coverage for the costs for removal and any associated remediation of unauthorized material delivery or truck hydraulic / fuel spillage.

Transportation of all fill materials to the Site will be conducted under pre-printed Bills of Lading or "Manifests" provided by EE. Each Manifest will be a five-part carbonless form that will have the donor source approval code issued by EE, donor source address, generator name and address, fill material type and a unique tracking number for that load of material. Spaces for the name, address and phone number of the trucking company, truck number, driver name and signature, donor representative name and signature will also be included on the Manifest. Prior to a truck leaving the donor source, the donor representative will complete and sign the donor or Generator section of the Manifest. The truck driver will complete the information about the Transporter. The donor representative will then retain the back two copies of the Manifest for both Consultant and Generator records. The transporter will retain the Manifest through shipment, which will now consist of three (3) parts for delivery to the Facility; the Transporter copy (1) along with the top two (2) copies belonging to Rodota.

### **9.2. Load Inspection**

EE will complete a review of the Manifest documentation accompanied with each truckload of pre-approved fill entering the Site. The Manifests of all trucks arriving at the Site will be reviewed by Site personnel prior to any other activities (i.e., inspection or tipping). All vehicles delivering fill materials to the Site must be in good operating condition.

After the administrative check is completed, the tarp will be removed, and the truck will be inspected to ensure that the physical appearance of the soils matches the description provided in the approved Application and that there are no volatile emissions or objectionable odors emanating from the truck.

All incoming loads of fill material will be visually inspected while on the transport vehicles and after being unloaded. Materials that are visibly unacceptable or otherwise show any evidence of being noncompliant will be rejected from the Facility.

Upon acceptance, EE will retain the top two (2) copies of the Manifest for Rodota records and return the final copy to the trucking company.

Daily field logs will be prepared to document all fill activities, including truck tickets, the source location and approval numbers for all material, scanning records, and any inspector notes regarding the appearance of the fill or any other information of interest regarding the fill. The material supply records will reference the certification number, identify the source, and define the general location where materials from an approved source were placed at the Site in regards to the Grading Plan.

### **9.3. Load Rejection**

Individual loads of fill delivered to the Site may be rejected by EE for any number of reasons, including, but not limited to:

- It is suspected that the material within the truck has been altered, replaced or added to in any way;
- The load contains non-compliant materials and/or deleterious debris; and
- The vehicle has taken an excessive period to arrive at the Site and insufficient justification is provided for the temporal disparity.

If a load is rejected prior to tipping, the load will be returned to the donor source without allowing its storage, dumping or other handling at the Site. If rejected, the truck must leave the Facility and will not be allowed to deposit any fill.

If a load is rejected after dumping at the Site, the truck will be re-loaded with the same material by the Facility with on-Site equipment and the load will be returned to the donor source. If the material is not rejected due to the observation of debris, garbage or similar materials, over-excavation of the area of dumping may be required to ensure complete removal. If the extent of rejected material cannot be determined visually, post-excavation samples will be collected and analyzed to confirm the completeness of the removal. If excess material exists due to over-cutting, the balance of the material will be placed on and covered with plastic sheeting. EE will arrange for the prompt transportation of the balance of material to the donor source.

If rejected material cannot be returned to the donor source for any reason, EE will identify potential alternatives and facilitate proper disposal. Unacceptable materials moving to a disposal facility would be tracked and documented in accordance with NJDEP's solid waste regulations.

All rejected loads of any materials arriving at the Site will be documented in a "Rejection Log".

**Exhibit 1**

**Warren County Soil Conservation District Facility Permit**



## WARREN COUNTY SOIL CONSERVATION DISTRICT

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224 W. Stiger Street, Hackettstown, NJ 07840  
Phone: (908) 852-2579 Fax: (908) 852-2284 Web Site: warrencountyscd.org

September 14, 2016

Robert Hummer, Jr.  
58 Summerfield Dr.  
Belvidere, NJ 07823

Pursuant to the New Jersey Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended, the Warren County Soil Conservation District has reviewed this project application and:

- Approves the Soil Erosion Control Plan
- Approves the Soil Erosion Control Plan with Conditions (see attached)
- Rules the Plan incomplete (see attached)
- Denies the application without prejudice (see attached)

Name of Project: Rodota Trucking & Excavating LLC Project #: 16017-12015-08095

Township: White

Approval Date: September 9, 2015

Block (s): 48 Lot (s): 6.02

Expiration Date: March 2020

Plan Date: 10/1/08 rev 8/10/16

The District shall be represented at the project pre-construction meeting with the township engineer, excavating contractors, utility representatives, and applicant. If the township engineer does not schedule a pre-construction meeting, it is the responsibility of the owner/applicant to schedule the meeting prior to any land disturbance.

This plan approval is limited to the erosion and sediment controls as specified in this application and accompanying documents. It is not authorization to engage in a proposed land use or other activity that may be governed or regulated by other Township, County, State or Federal government agencies.

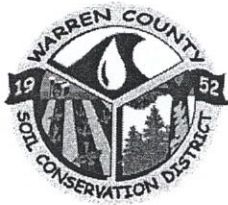
Formal written notification at least 14 days prior to commencing **ANY SOIL DISTURBANCE** on this project is required.

A handwritten signature in cursive script that reads "Wayne R. Jarvis".

Wayne R. Jarvis  
Chairman

## **Exhibit 2**

### **Soil Erosion & Sediment Control Plan**



WARREN COUNTY SOIL CONSERVATION DISTRICT

DEC 03 2019

RECEIVED

224 W. Stiger Street, Hackettstown, NJ 07840
Phone: (908) 852-2579 Fax: (908) 852-2284 Web Site: warrencountyscd.com

Request for Recertification of Soil Erosion & Sediment Control Plan

I herby formally request recertification of the soil erosion & sediment control plan for a period of 3 1/2 years for the following project:

- 1. Name of Project: Rodata
2. SCD application # 16017 - 20029
3. Project Owner(s) Name: Robert Hummer
4. Project Owner Address: 58 Sumner Field Rd
5. Date of Last Revision to Site Plan: 10/11/08
6. Date of Last Revision to Erosion Control Plan:

I certify that all revisions to the soil erosion & sediment control plan have been certified by the district and agree as follows:

- a. Approval of this request will confer recertification of the existing soil erosion & sediment control plan and allow for continuation of this project
b. Recertification extends the requirements of the prior application identified in 2. above which shall be appended herewith.
c. All terms and conditions regarding compliance with this application and certified plan shall remain in effect including payment of all fees prescribed by the district fee schedule.
d. That upon completion of the project, the district will be promptly notified. Authorization to occupy or otherwise utilize the project is conditioned upon district issuance of a Report of Compliance with the certified plan.
e. Where changes to the application have occurred including ownership, a revised and signed application form shall be included with this request for Recertification. If no revised and signed application is forwarded, the applicant certifies that no changes to the Soil Erosion & Sediment Control Plan or Application have been made.

Applicant Certification\*

Signature of Applicant

Date 11/27/19

Applicant Name (Print)

Robert C Hummer Jr

This request has been:

Certified

Certified with Conditions

Denied

Signature of District Official

Approval Date 12/11/19 Expiration date: 6/2023

\*if other than project owner, written authorization of owner must be attached.



FIELD

2'

1  
2

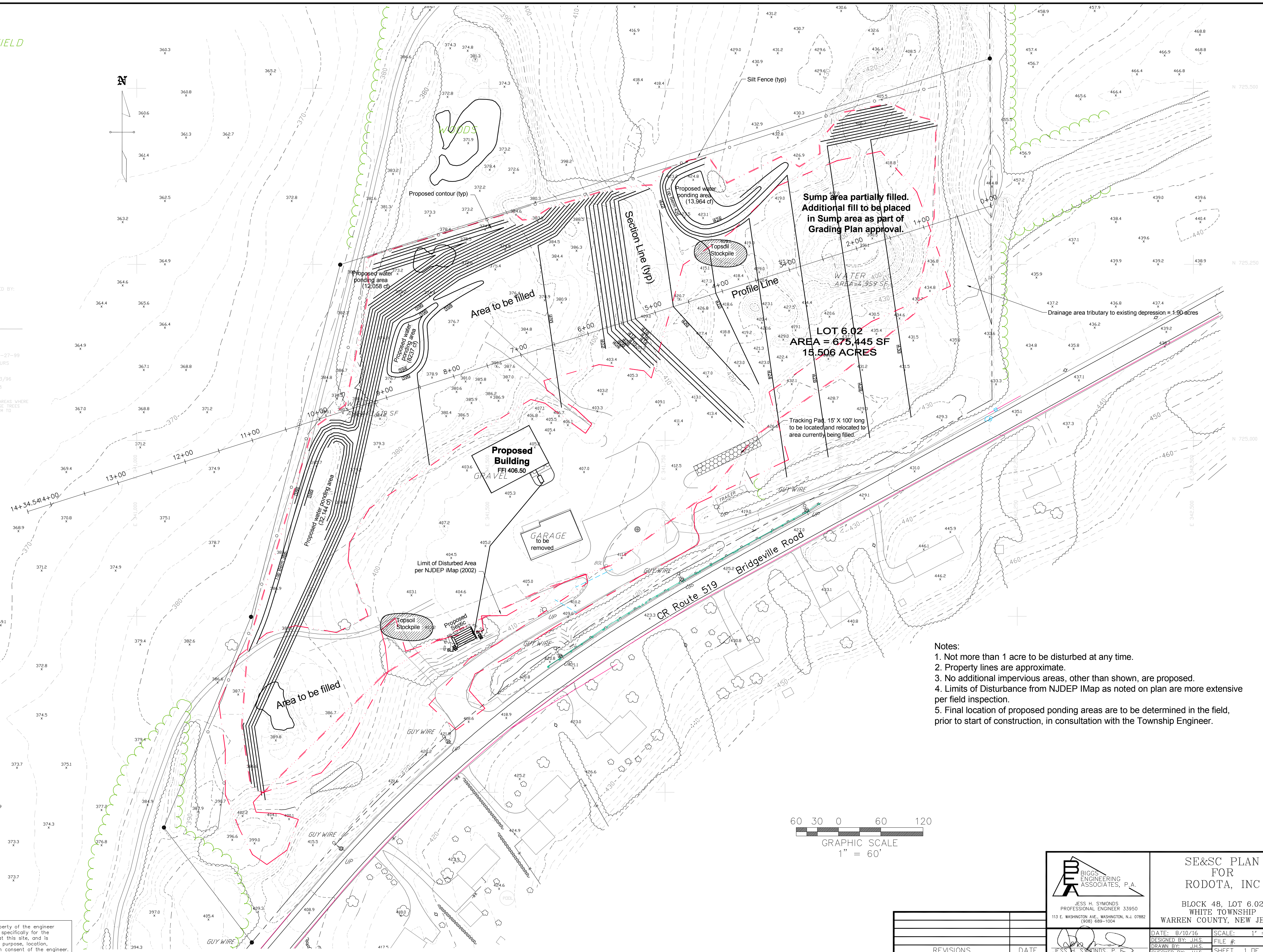
SHEET INDEX

TOPOGRAPHIC MAP PREPARED BY:

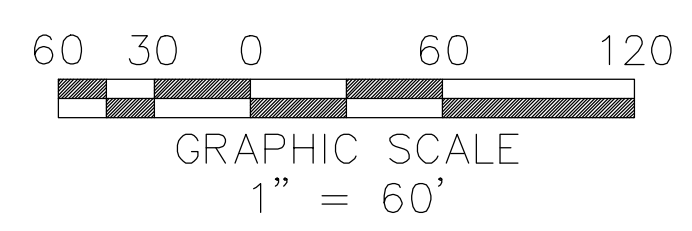
ATLANTIS AERIAL SURVEY CO., INC.

FROM PHOTOGRAPHY DATED: 2-27-99  
SCALE: 1"=50' 2" CONTOURS  
PROJECT # 1915-0502  
HORIZONTAL DATUM: NAD 83/96  
VERTICAL DATUM: NAVD 88

NOTE: DASHED CONTOURS INDICATE AREAS WHERE THE GROUND IS OBTAINED BY BENCH TREES OR SHADOWS AND MAY NOT CONFORM TO ACCURACY STANDARDS.



- Notes:
1. Not more than 1 acre to be disturbed at any time.
  2. Property lines are approximate.
  3. No additional impervious areas, other than shown, are proposed.
  4. Limits of Disturbance from NJDEP IMap as noted on plan are more extensive per field inspection.
  5. Final location of proposed ponding areas are to be determined in the field, prior to start of construction, in consultation with the Township Engineer.



COPYRIGHT © This drawing is the property of the engineer and has been prepared specifically for the owner for this project at this site, and is not to be used for any purpose, location, or owner without written consent of the engineer.

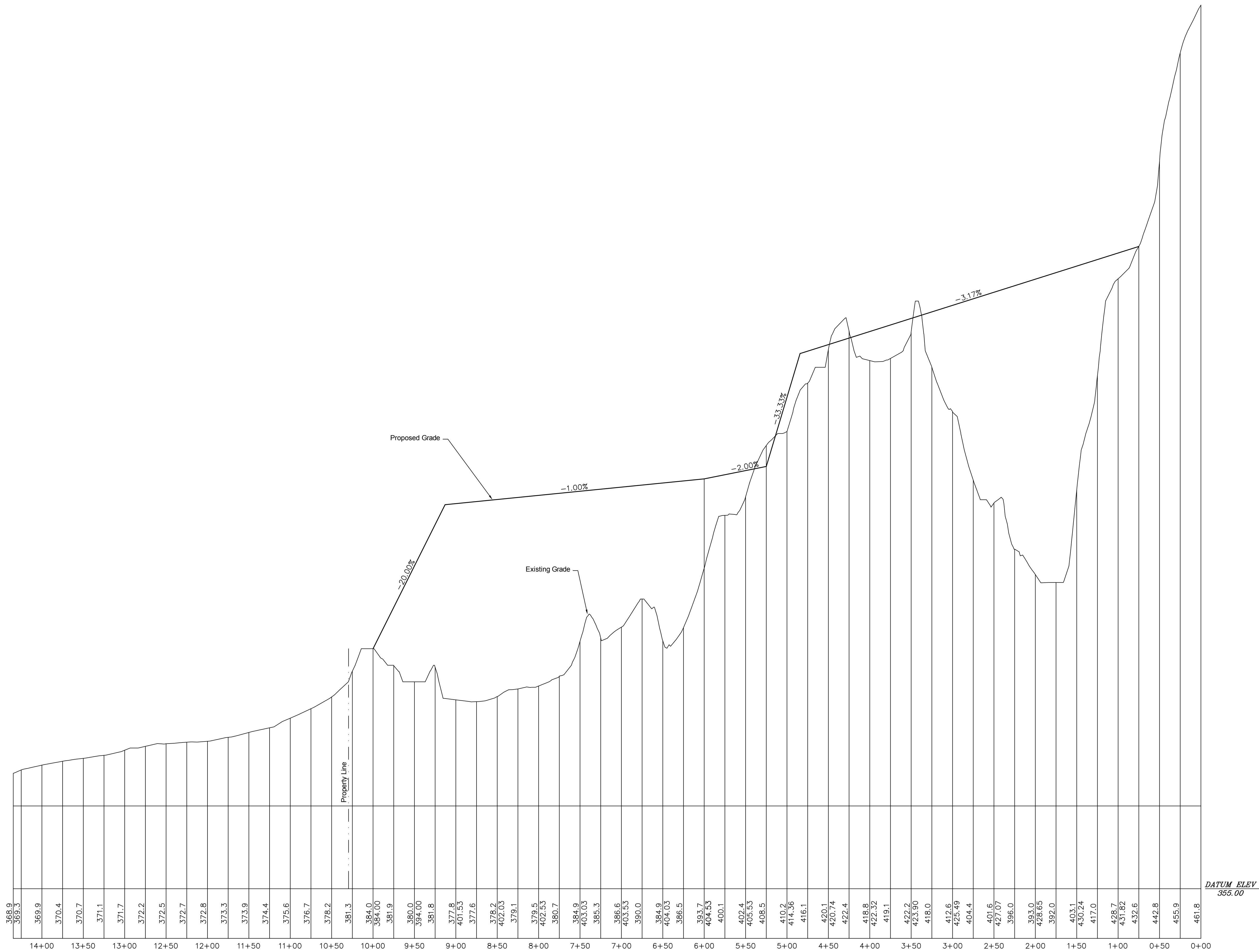
REVISIONS	DATE

**BEA**  
BIGGS ENGINEERING ASSOCIATES, P.A.  
JESS H. SYMONDS  
PROFESSIONAL ENGINEER 33950  
113 E. WASHINGTON AVE., WASHINGTON, N.J. 07862  
(908) 689-1004

SE&S PLAN FOR RODOTA, INC  
BLOCK 48, LOT 6.02  
WHITE TOWNSHIP  
WARREN COUNTY, NEW JERSEY

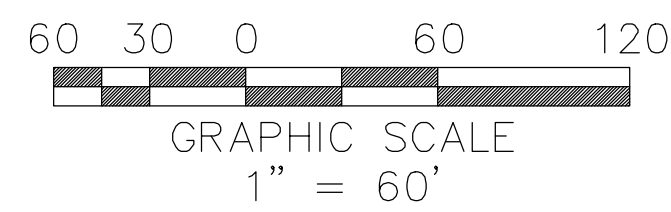
DATE: 8/10/16 SCALE: 1" = 60'  
DESIGNED BY: JHS FILE #:  
DRAWN BY: JHS  
CHECKED BY: JHS SHEET 1 OF 3





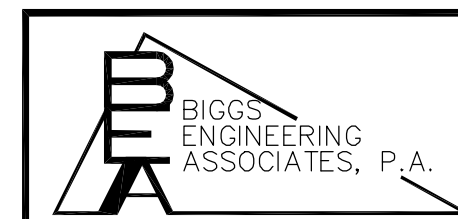
**Profile**

Scale: Horiz 1" = 60', Vert 1" = 6'



DATUM ELEV  
355.00

COPYRIGHT © This drawing is the property of the engineer and has been prepared specifically for the owner for this project at this site, and is not to be used for any purpose, location, or owner without written consent of the engineer.



JESS H. SYMONDS  
PROFESSIONAL ENGINEER 33950  
113 E. WASHINGTON AVE., WASHINGTON, N.J. 07882  
(908) 689-1004

SE&SC PLAN  
FOR  
RODOTA, INC

BLOCK 48, LOT 6.02  
WHITE TOWNSHIP  
WARREN COUNTY, NEW JERSEY

DATE: 8/18/16	SCALE: 1" = 20'
DESIGNED BY: J.H.S.	FILE #:
DRAWN BY: J.H.S.	CHECKED BY: J.H.S.
SHEET 2 OF 3	

REVISIONS	DATE

JESS H. SYMONDS, P.E.



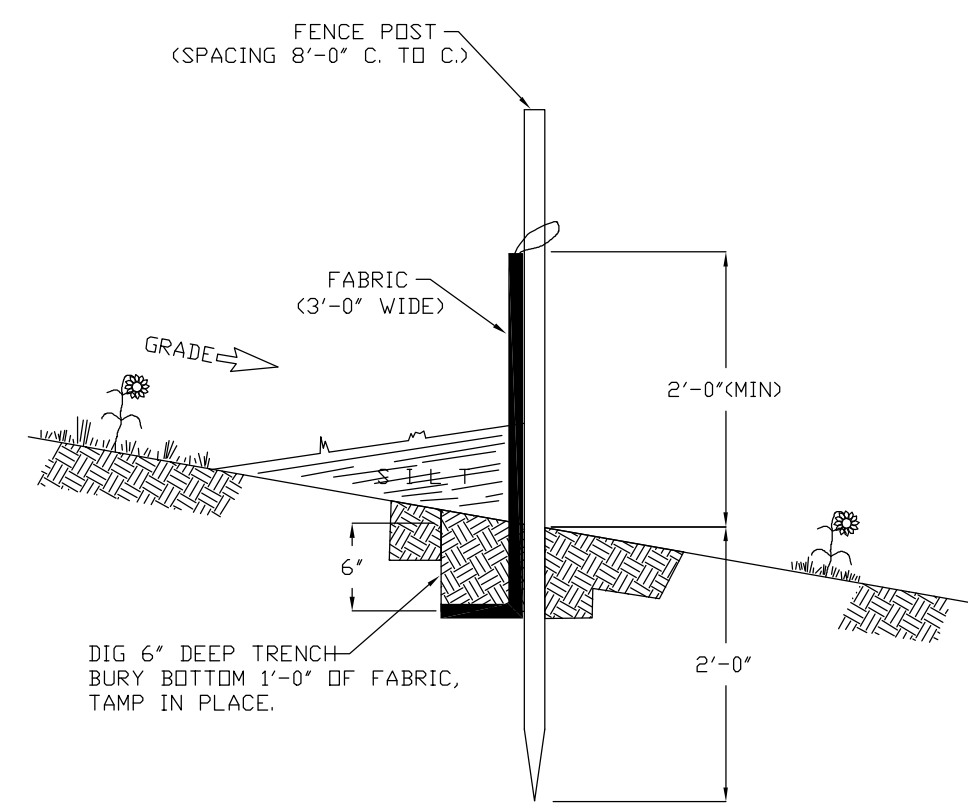
**GENERAL NOTES FOR SOIL EROSION AND SEDIMENTATION CONTROL**

- Place topsoil and excavation material from any excavation on the downhill side of the site whenever possible to trap runoff from scalped areas.
  - All disturbed areas that are not to be permanently seeded within 7 days must be stabilized by temporary seeding or mulching per specifications below.
  - All exposed areas which are to be permanently vegetated will be seeded within 7 days of final grading. Complete permanent seeding as per specifications below.
  - All soil erosion and sedimentation control practices on this plan are to be constructed in accordance with STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, supplemental criteria supplied by the local Soil Conservation District.
  - A minimum of two weeks written notice shall be given to the appropriate Soil Conservation District and/or municipal engineer prior to any land disturbance.
  - All soil erosion and sediment control devices shall be in place prior to any major soil disturbance and shall be maintained and checked on a regular basis.
  - Vegetation stabilization of disturbed areas to be accomplished as follows:
    - Temporary Vegetative Cover- for soil to be exposed for a period of up to 12 months:
      - All limestone at a rate of 2 tons per acre and 10-20-10 Fertilizer or equivalent at a rate of 500 lbs. per acre.
      - Plant as follows:
 

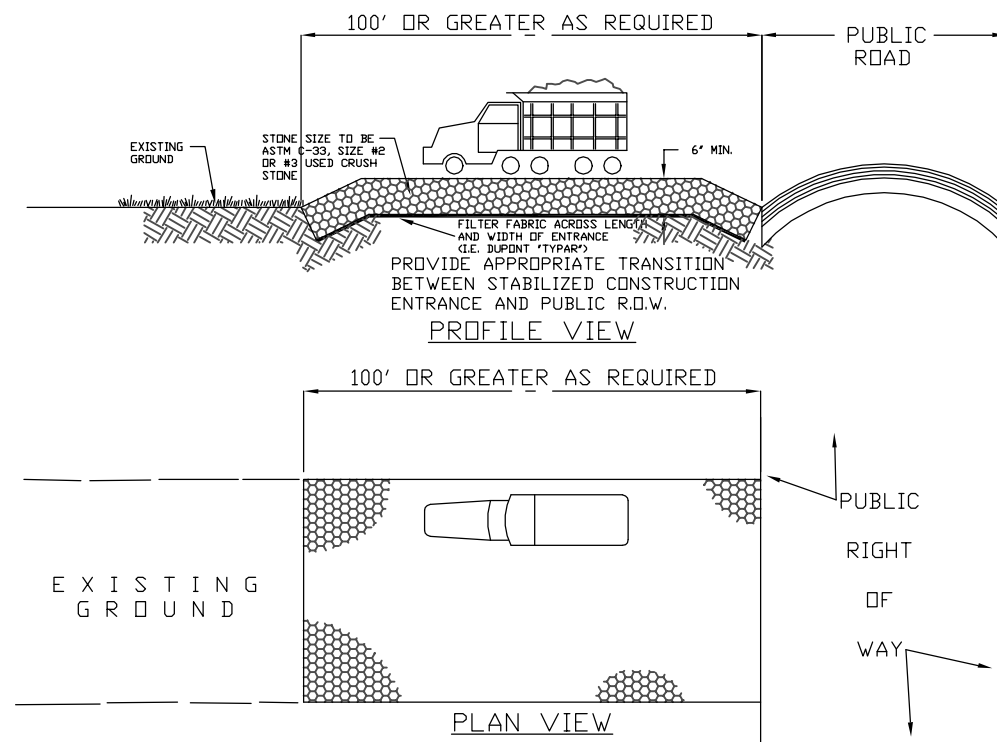
Annual Ryegrass	60 lbs. per acre	May 1st to Sept. 1st
Perennial Ryegrass	60 lbs. per acre	2 lbs. per acre
Sudax	30 lbs. per acre	& Aug. 15th to Oct. 1st
Blats	2 lbs. per acre	Sept. 1st to Oct. 20th
Rye	2 lbs. per acre	March 1st to May 15th & Aug. 15th to Oct. 1st
Barley	2 lbs. per acre	March 1st to May 15th & Aug. 15th to Oct. 1st
    - Permanent Vegetative Cover- seed, fertilize, and lime all scalped areas immediately after finished grading is completed. Lime and fertilizer recommendations are according to results of soil tests or as follows:
      - Lime to be applied at the rate of 2 tons per acre (ground limestone).
      - Fertilizer to be applied at the rate of 500 lbs. per acre. Fertilizer to be 10-20-10.
      - Seed to be incorporated into the soil 1/4" - 1/2" by raking or dragging.
      - Seedings will require an application of fertilizer such as 10-10-10 or equivalent to 400 lbs. per acre approximately 6 months after first application.
      - Professional mixed seed mixtures are recommended rather than self-made mixtures.
      - If seedings are done during off-season (mid-summer) increase mixtures by 50%.
  - GENERAL SEEDING rate and mixture (ex. - lawn)
 

Creeping Red Fescue	25 lb/acre
Chewings Red Fescue	25 lb/acre
Kentucky Blue Grass	25 lb/acre
Perennial Ryegrass	15 lb/acre
  - HIGH TRAFFIC AND CRITICAL AREA SEEDING rate and mixture (ex. - athletic fields, waterways, diversions, etc.). This mixture may be also be used for lawns but has a coarser texture than mixture above. Rate of 125 lbs. per acre of Athletic Field mixture or the equivalent containing approximately:
 

54% Kentucky 31 Fescue
17% Kentucky Blue Grass
20% Creeping Red Fescue
3% Red Top
3% Inert
- Temporary stabilization with mulch only:
 Straw mulch or equivalent spread uniformly at the rate of 2-2 1/2 tons per acre (total ground surface coverage). This practice is applicable in areas where the season or other conditions may not be suitable for establishing vegetative cover. Mulch only is to be used only for short periods and will require maintenance and renewal.
- Mulching
  - Mulching is required on all seedings. Straw mulch or equivalent will be applied at the rate of 1 1/2 - 2 tons per acre (70 to 90 pounds per 100 sq. ft.). The existence of vegetation sufficient to control soil erosion shall be deemed as compliance with this mulching requirement.
  - Mulch anchoring will be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the methods in the STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (ex. - crimping, liquid mulch binders, nettings, etc.).



**SILT FENCE DETAIL**  
NOT TO SCALE



**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

**WARREN COUNTY SOIL CONSERVATION DISTRICT NOTES**

- The District shall be represented at the project pre-construction meeting with the township engineer, contractors, and utility representatives. If the township engineer does not schedule a pre-construction meeting, it is the responsibility of the owner applicant to schedule one prior to any land disturbance. Two weeks written notice must be given for scheduling pre-construction meeting.
- Failure of the aforementioned plan shall not relieve the applicant of any of its responsibilities relevant to the appropriate statutes. Additional erosion and sediment control measures may be required as deemed necessary by the District in the event of any unforeseen problems incurred during construction.
- Any changes of approval plans shall require an additional submittal to the District including appropriate re-review fees.
- Two weeks written notice must be given to the Warren County Soil Conservation District prior to any land disturbance.
- In that N.J.S.A. 4-24-39 et seq. requires that no Certificates of Occupancy be issued before the provisions of the certified plan for soil erosion and sediment control have been complied with for permanent measures, all site work relative to approved plans and all work around individual lots in subdivisions will have to be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the municipality. Two weeks written notice must be given to the District to schedule inspection for Certificate of Compliance release.
- Final stabilization of all land disturbances associated with underground utilities, irrespective of phasing, is the ultimate responsibility of the owner.
- A cash bond of not less than \$2,500 (per disturbed acre or part thereof, or lot) will be posted with the Warren County Soil Conservation District during the non growing season (November 15 - April 15) if a Certificate of Compliance is needed and soil erosion and sediment control measures for permanent stabilization are not completed.
- All sediment tracked onto public right-of-ways shall be swept at the end of each working day.
- No building permits will be released until all soil erosion and sediment control measures as indicated on approved plans are installed.
- Dust to be controlled with water, calcium chloride or other method approved by the Soil Conservation District.
- Tracking pad to be kept clean and repaired as necessary.
- Soil Erosion and Sedimentation Control measures shall be in accordance with Standards for Soil Erosion and Sediment Control in New Jersey.

**TEMPORARY STABILIZATION SPECIFICATIONS**

- APPLY GROUND LIMESTONE AT A RATE OF 25 LBS/1000 SF
- APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1000 SF AND WORK INTO 4" DEEP.
- APPLY SEED MIXTURE OR APPROVED EQUAL PERENNIAL RYEGRASS AT 40 LBS/ACRE.
- MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90 LBS/1000 SF AND SECURE BY APPROVED METHODS (IE PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- PLANT SEED BETWEEN MARCH 15 AND JUNE 1 OR BETWEEN AUGUST 1 AND SEPTEMBER 15, IF POSSIBLE.

**TEMPORARY STABILIZATION WITH MULCH ONLY**

STRAW MULCH SHALL BE SPREAD UNIFORMLY AT A RATE OF 2 TO 2.5 TONS PER ACRE (TOTAL GROUND SURFACE COVERAGE). THIS PRACTICE IS LIMITED TO PERIODS WHEN VEGETATIVE COVER CANNOT BE ESTABLISHED DUE TO THE SEASON OR OTHER CONDITIONS. MULCH SHALL BE ANCHORED IN ACCORDANCE WITH NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. MULCH ALONE CAN ONLY BE USED FOR SHORT PERIODS AND WILL REQUIRE MAINTENANCE AND RENEWAL. OTHER MULCH MATERIALS MAY BE UTILIZED IF APPROVED BY THE TOWNSHIP.

**PERMANENT STABILIZATION SPECIFICATIONS**

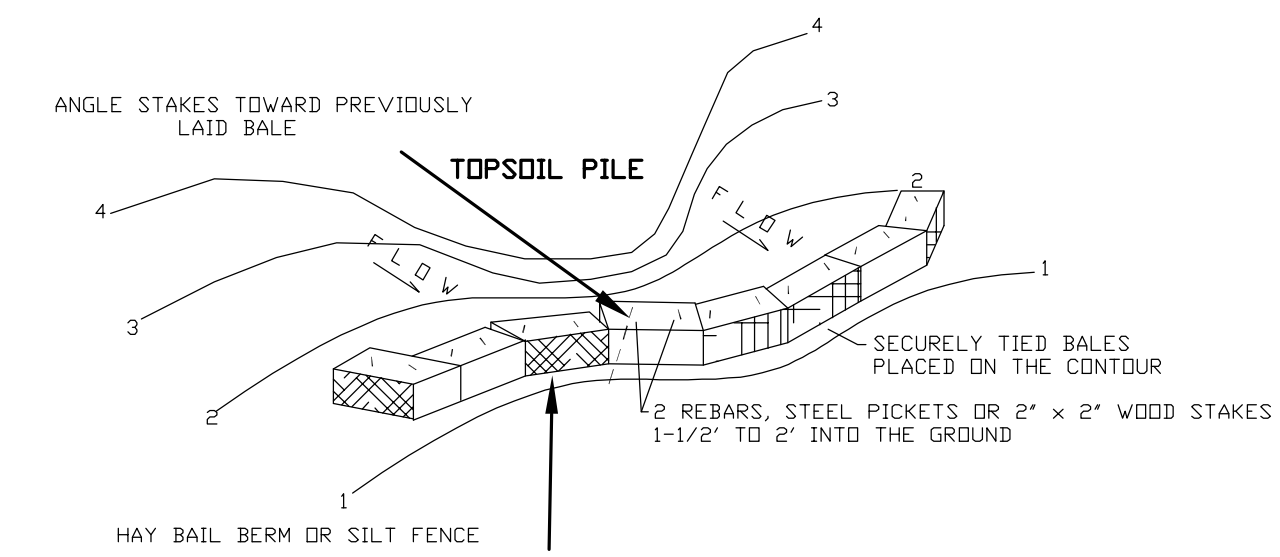
- APPLY TOPSOIL TO A DEPTH OF 6".
- APPLY GROUND LIMESTONE AT A RATE OF 25LBS/1000SF
- APPLY FERTILIZER (10-20-10) AT A RATE OF 11LBS/1000SF
- APPLY SEED MIXTURE OR APPROVED EQUAL

GENERAL LAND AREAS: TALL FESCUE AT 50 LBS/ACRE; REDTOP OR PERENNIAL RYEGRASS AT 5LBS/ACRE; BIRDS FOOT TREFLOID AT 10LBS/ACRE; OR WHITE CLOVER AT 5LBS/ACRE.

STEEP SLOPE AREAS (MX NO. 20): HARD OR SHEEPS FESCUE @ 25LBS/ACRE; AND NE. WILDFLOWER MIXTURE AT 12LBS/ACRE.

(THE ABOVE SEED MIXTURES ARE GENERALLY ACCEPTABLE FOR THE STATED APPLICATION. HOWEVER, SITE SPECIFIC SEED MIXES SHALL BE SELECTED FROM THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, TABLE 4-3)

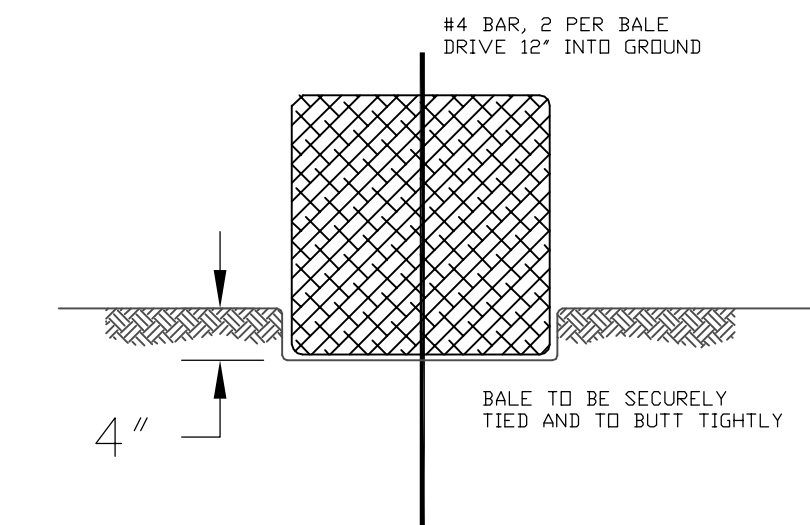
- MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90LBS/1000SF ACCORDING TO THE NEW JERSEY STANDARDS.
- ANCHOR MULCH IMMEDIATELY AFTER PLACEMENT WITH EMULSIFIED ASPHALT (SS-1) APPLIED AT A RATE OF 194 GAL/ACRE. OTHER APPROVED METHODS (IE PEG AND TWINE, OR MULCH NETTING) MAY BE USED, IF POSSIBLE, PLANT BETWEEN MARCH 1 AND MAY 31, OR BETWEEN AUGUST 1 AND OCTOBER 1.



**TOPSOIL PILE DETAIL**  
n.t.s.

**TOPSOIL STOCKPILE PROTECTION**

- CONSTRUCT TEMPORARY DIVERSION BERM AND/OR SEDIMENT FILTER FENCE AND/OR HAY BALE BARRIER AROUND STOCKPILED AREA AS REQUIRED.
- APPLY LIMESTONE AT A RATE OF 25LBS/1000 SF.
- APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1000 SF
- APPLY PERENNIAL RYEGRASS AT A RATE OF 1 LB/1000 SF
- MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90 LBS/1000 SF



**HAY BALE BERM**  
NOT TO SCALE

WORK DESCRIPTION	MONTHS												
	1	2	3	4	5	6	7	8	9	10	11	12	
TEMPORARY EROSION AND SEDIMENT CONTROLS													
SITE CLEARING BRUSH REMOVAL AND INSTALL TRACKING PAD STONE TO AREA TO BE FILLED													
INSTALL FILL													
FINISH GRADE													
REMOVE/RELOCATE TRACKING PAD													
PERMANENT STABILIZATION													

Not more than 1 acre to be disturbed at any time.

REVISIONS	DATE

**BIGGS ENGINEERING ASSOCIATES, P.A.**  
JESS H. SYMONDS  
PROFESSIONAL ENGINEER 33950  
113 E. WASHINGTON AVE., WASHINGTON, N.J. 07882  
(908) 689-1004

**SE&SC PLAN FOR RODOTA, INC**  
BLOCK 48, LOT 6.02  
WHITE TOWNSHIP  
WARREN COUNTY, NEW JERSEY

DATE: 8/10/16 SCALE: n.t.s.  
DESIGNED BY: J.H.S. FILE #:  
DRAWN BY: J.H.S.  
CHECKED BY: J.H.S. SHEET 3 OF 3

**Exhibit 3**  
**Grading Plan**

# Grading Plan for Rodota, Inc.

**Block 48 Lot 6.02 Tax Map Sheet 10  
County Route 519  
White Township, Warren County  
New Jersey**

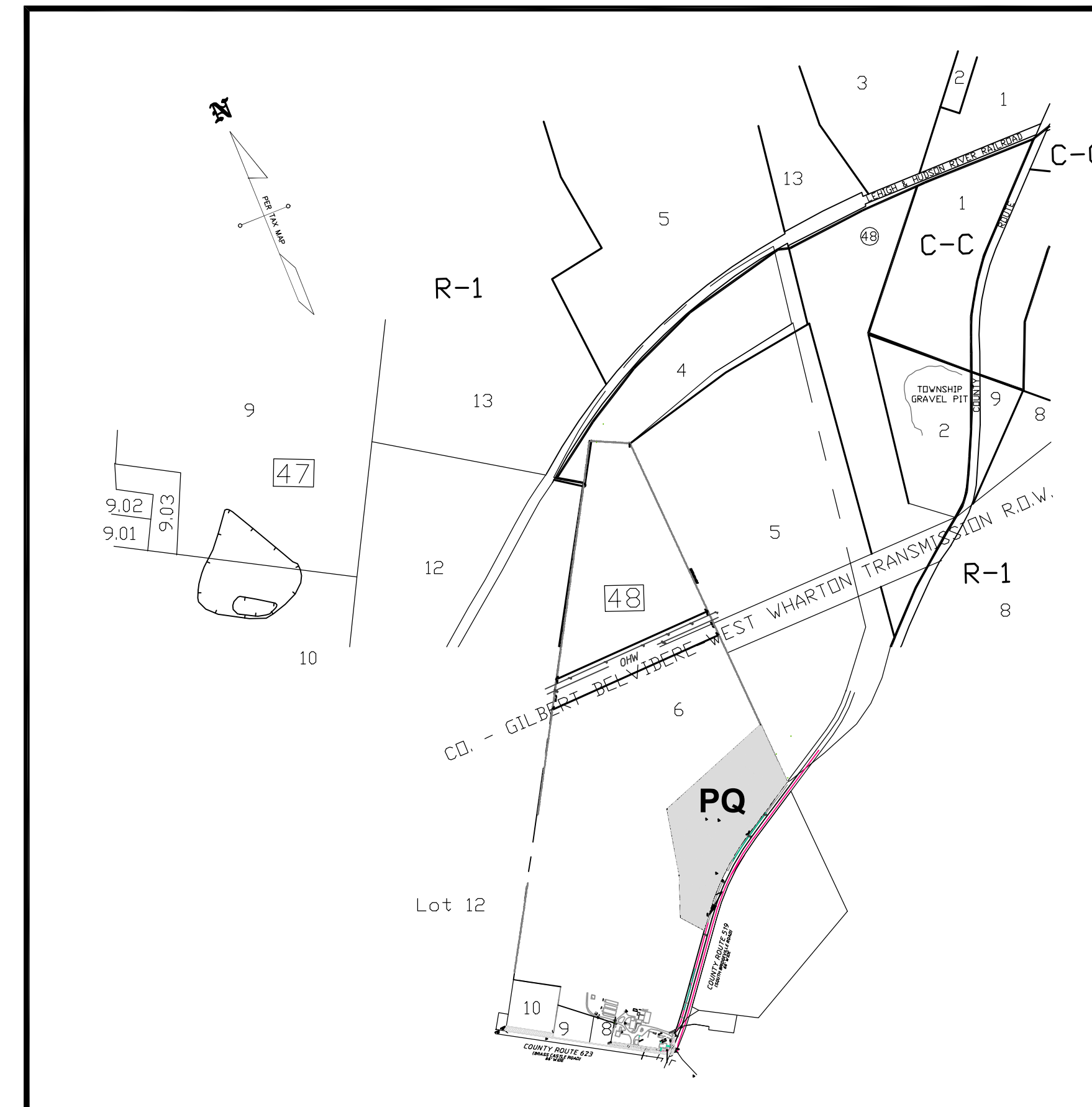
**APPLICANT / OWNER**  
Rodota, Inc  
Robert Hummer, Jr, Pres.  
58 Summerfield Road  
Belvidere, NJ 07823

## Zoning Parameters

### Zone R-1 / C- C Soil Removal (SR)

	Required	Lot 6.02
Front Yard	50'	Existing'
Side Yard	25' each (60' Total)	Existing
Rear Yard	50'	Existing
Minimum Area	*	15.51± acres
Minimum Lot Width	180'	Existing
Minimum Lot Frontage	90'	Existing
Maximum Building Height	35'	Existing
Density / Lot Coverage	n/a	n/a
Impervious Coverage	n/a	Existing

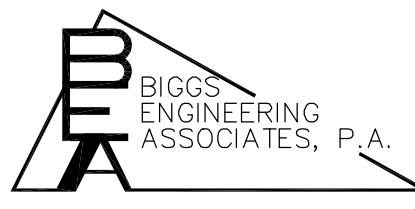
\*Existing Size of Block and Lot



**Key Map**

Scale 1" = 600'±

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		 BIGGS ENGINEERING ASSOCIATES, P.A. JESS H. SYMONDS PROFESSIONAL ENGINEER 33950 113 E. WASHINGTON AVE., WASHINGTON, N.J. 07882 (908) 659-1004	GRADING PLAN FOR RODOTA, INC. BLOCK 48, LOT 6.02 WHITE TOWNSHIP WARREN COUNTY, NEW JERSEY	
Per Engineer's comments	11/24/08		DATE: 10/17/08	SCALE: n.t.s.
Per Engineer's comments	10/23/08	DESIGNED BY: J.H.S.	FILE #:	
REVISIONS	DATE	DRAWN BY: J.H.S.	CHECKED BY: J.H.S.	
		JESS H. SYMONDS, P. E.	SHEET 1 OF 10	