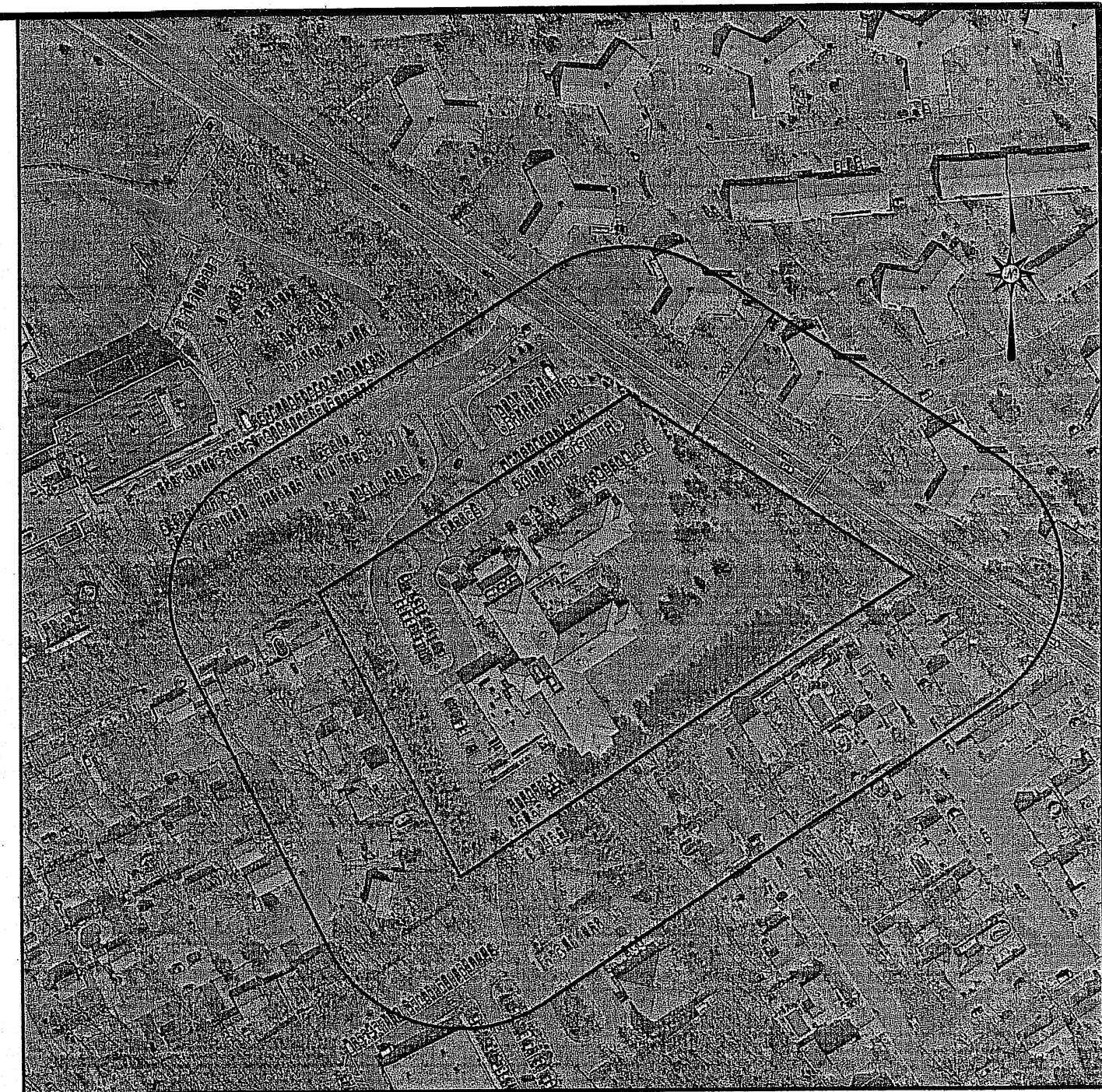
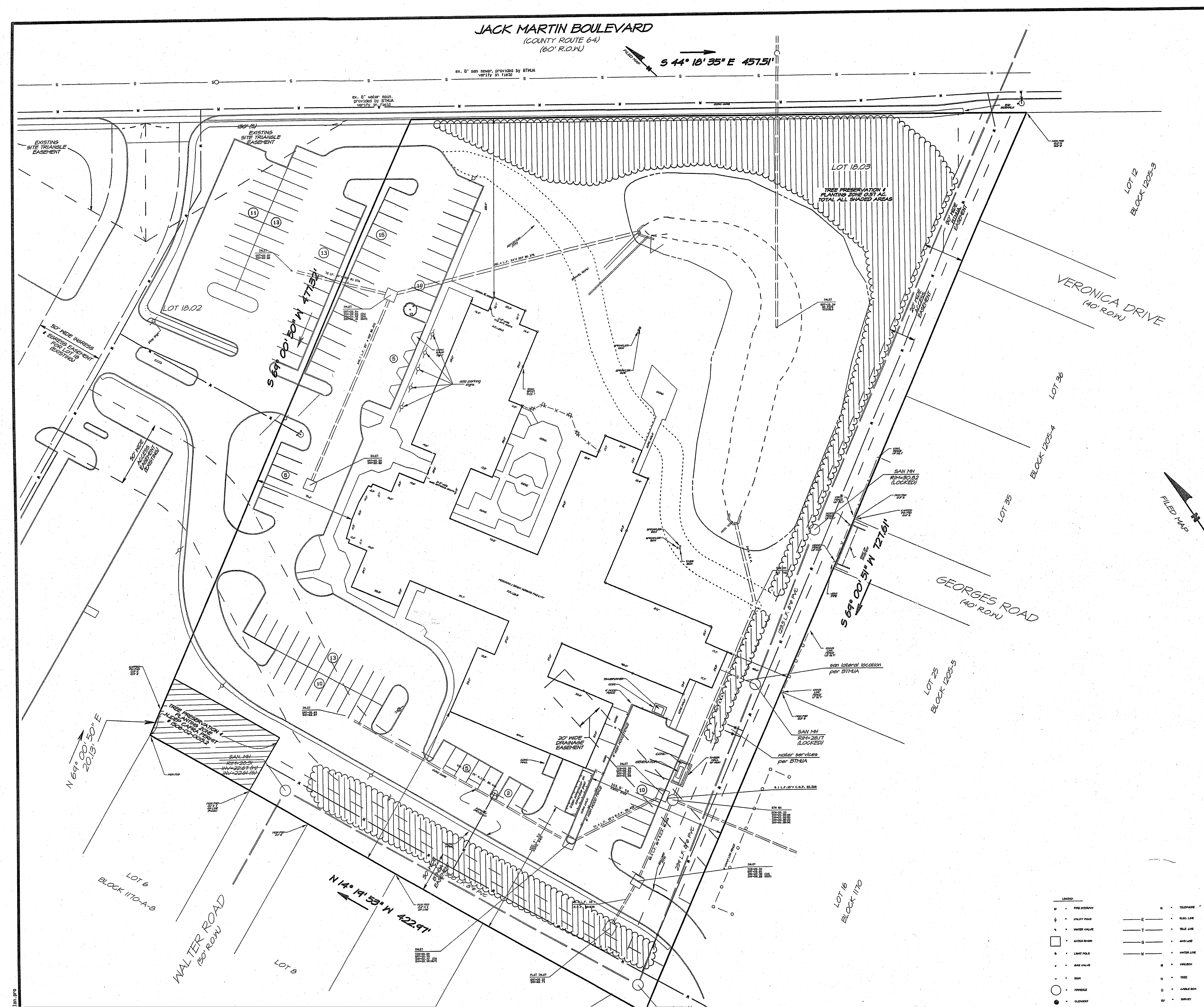


Tax Map Block 1170 - Lot 18.03

NEW JERSEY

11/11/2019 11:11:11 AM



STRUCTURES WITHIN 200'
SCALE: 1" = 200'

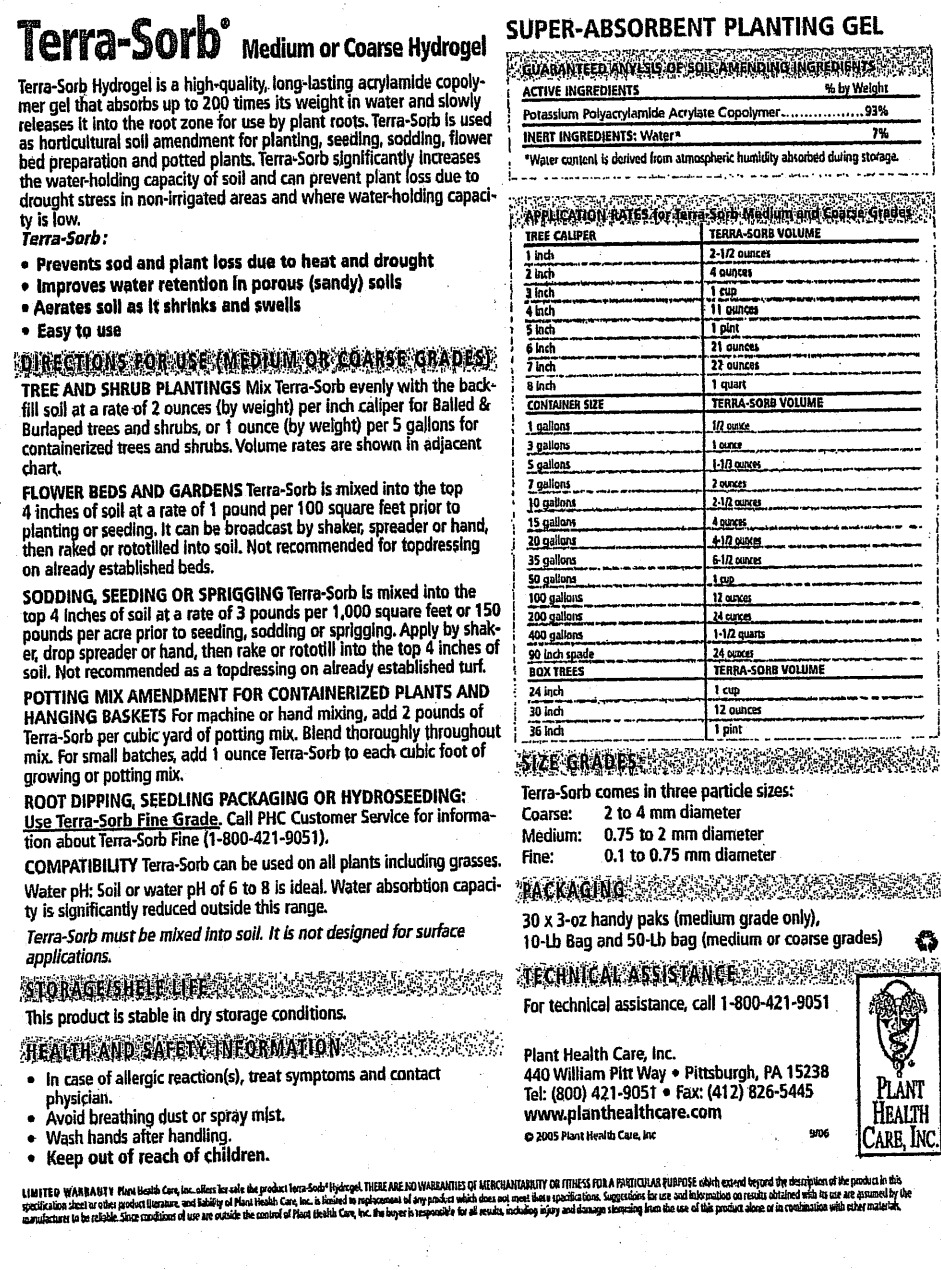
APPROVED AS A PRELIMINARY AND FINAL PLAT -
MAJOR SITE PLAN BY THE BRICK TOWNSHIP
PLANNING BOARD ON 4-26-17

SIGNED: Bernard J. Col 9/21/17
(CHAIRMAN)

ATTEST: Paul A. [Signature] 10/4/17
(SECRETARY)

[Signature] 9/12/17
(ENGINEER)

DATE: 10-6-17



22

OCEAN COUNTY				NEW JERSEY		
CHECKED BY	CALC. BY	DRAWN BY	SCALE	DATE	PROJECT NO.	DWG NO.
MJL	TRP	TRP	1"=20'	10/05/16	15001.00	5

JACK MARTIN BOULEVARD

(COUNTY ROUTE 64)

(60' R.O.W.)

PROPOSED SPLIT RAIL FENCE (SEE DETAIL)

S 44° 18' 35" E 457.51'

PROPOSED STONE CONSTRUCTION ENTRANCE (SEE DETAIL)

PROPOSED SILTATION CONTROL FENCE

LIMIT OF DIST. AREA = 0.68 AC.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- Approximate Construction Schedule
 - Soil Erosion Control Measures 1 Day
 - rough grading of parking lot 2 days
 - Final grading, gravel and paving installation 5 days
 - Final stabilization, topsoiling & seeding 2 days
 - Removal of Soil Erosion Control Measures after external Construction is Complete and the Site is Stabilized 1 Day

2. Temporary Seeding

Seed Type	Seeding Per Acre	Seeding Per 1,000 SF	Seeding Date
Perennial Ryegrass	100 lbs	2.3 lb	02/15-05/01, 08/15-10/15

3. Permanent Seeding

Seed mix shall be as noted below:

Seed Type	Seeding Per Acre	Seeding Per 1,000 SF	Seeding Date
Hard Fescue	130 lbs	3.0 lb	03/15-10/01
Chewings Fescue	45 lbs	1.0 lb	03/15-10/01
Strong Creeping Red Fescue	45 lbs	0.9 lb	03/15-10/01
Perennial Ryegrass	10 lbs	0.25 lb	03/15-10/01
TOTAL:	230 lbs/Acre	5.15 lbs/1000 SF	

4. Seeding Operation

Seed shall be raked or drilled into the soil.

Where feasible, except where a cultipacker type seeder is used, the seeded shall be firmed following seeding operations with a roller or light drag. Seeding operations shall be on the contour.

Seeding areas shall be mulched within 48 hours.

- Where the season or other conditions may not be suitable for growing a ground cover, or where soil stabilization is needed for a short period of time, mulch only will be applied as follows:

- Hay or straw, unrattled applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 sq. ft.)
- Synthetic or organic soil stabilizers.
- Wood-fiber or paper-fiber mulch at the rate of 1500 lbs. per acre applied by a hydroseeder.
- Pelletized mulch, compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Pelletized mulch shall be applied in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs./1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small lawn or renovation areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

- All disturbed areas are to receive a layer of topsoil a minimum of 6" thick prior to seeding.

7. Soil Preparation temporary cover & permanent cover

A. Uniformly apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices (<http://njges.rutgers.edu/county/>). Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet using 10-10-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise and incorporated into the surface 4 inches. If fertilizer is not incorporated, apply 1/2 the rate described above during seedbed preparation and repeat another 1/2 rate application of the same fertilizer within 3 to 5 weeks after seeding. Apply limestone at the rate of 2 tons/acre unless soil testing indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes. Table 6-1 is a general guideline for limestone application rates.

B. Work time, and fertilizer into the topsoil as nearly as practical to a depth of 4 inches with a disc, springtooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue tillage until a reasonably uniform, fine seedbed is prepared.

C. Remove from the surface all objects that would prevent good seed to topsoil contact and remove all other debris, such as wire, cable, tree roots, pieces of concrete, clods, lumps, or other unsuitable material.

D. Inspect site just before seeding. If traffic has left the soil compacted, the area must be retilled and firmed in.

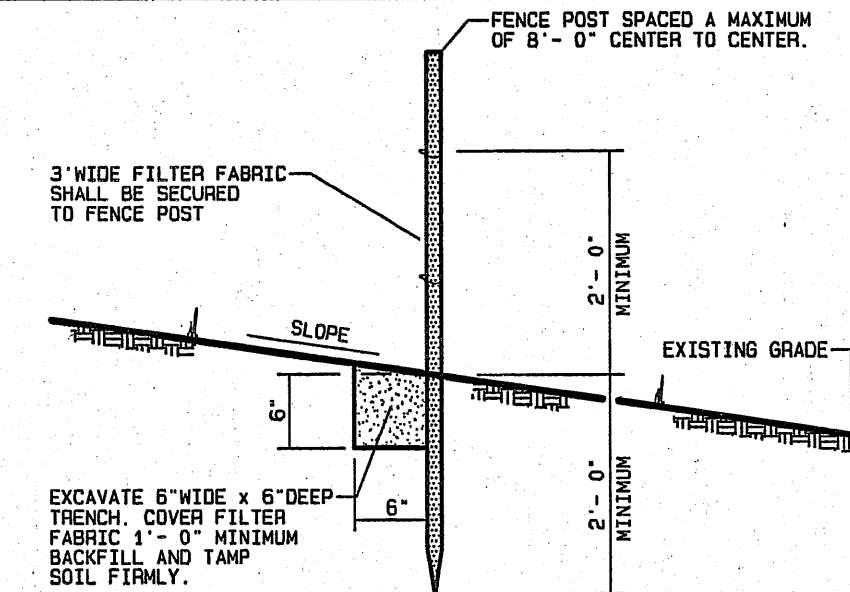
8. Temporary & permanent seeding:

- Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise. Apply limestone at the rate of 2 tons/acre unless soil testing indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes.
- Work time and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, springtooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.
- Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled in accordance with the above.
- Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg.

SOIL EROSION AND SEDIMENT CONTROL NOTES

- The Ocean County Soil Conservation District shall be notified forty-eight (48) hours in advance of any land disturbance.
- All work is to be done in accordance with the State Standards for Soil Erosion and Sediment Control in New Jersey.
- All Soil Erosion and Sediment Control practices are to be installed prior to any major soil disturbance, or in their proper sequence, and maintained until permanent protection is established.
- Any changes to the Certified Soil Erosion and Sediment Control Plan must meet all current State Soil Erosion and Sediment Control Standards. Link to 2014 Standards: <http://www.nj.gov/education/education/soilerosionandse dimentcontrolstandards.html>
- N.J.S.A. 42A:59-4, requires that no Certificate of Occupancy be issued before there has been compliance with provisions of a certified plan for permanent measures. All site work, and all work around individual lots in subdivision, must be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the Municipality.
- Any disturbed areas that will be left exposed more than thirty (30) days, and not subject to construction traffic, will immediately receive a temporary seeding. If the season prevents the establishment of temporary cover, the disturbed area will be mulched with straw, or equivalent material, at a rate of 2 to 2 1/2 tons per acre, according to State Standard for Stabilization with Mulch Only.
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion (e.g. steep slopes and roadway embankments) will receive temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 1 1/2 to 2 tons per acre, according to State Standards.
- A sub-base course will be applied immediately following rough grading and installation of improvements to stabilize streets, roads, driveways, and parking areas. In areas where no utilities are present, the sub-base shall be installed within fifteen (15) days of the preliminary grading.
- Any steep slopes (3:1 or greater) or any existing roadways receiving pipeline installation will be backfilled and stabilized daily, as the installation continues.
- The Standard for Stabilized Construction Access requires the installation of a stone pad at all construction driveways where vehicles will access paved roadways from unpaved areas of the site.
- All sediment washed, dropped, spilled, or tracked onto roadways (public or private) or other impervious surfaces will be removed immediately.
- Permanent vegetation is to be seeded or sodded on all exposed areas within ten (10) days after final grading. At the time of the final inspection, you are required to provide confirmation that the proper type and amount of seed, time and fertilizer have been used for permanent stabilization work. Straw mulch is required on all seeding.
- At the time that the preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover shall be removed or treated in such a way that it will permanently adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative means of permanent ground stabilization will have to be employed.
- In accordance with the Standard for Management of High Acid Producing Soils, any soil having a pH of 4 or less or containing iron sulfides shall be covered with a minimum of twelve (12) inches of soil having a pH of 5 or more prior to seeded preparation. Areas where trees or shrubs are to be planted shall be covered with a minimum of twenty-four (24) inches of soil having a pH of 5 or more.
- Controlled Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
- Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize sediment transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.
- Should the control of dust at the site be necessary, the site will be stabilized until the surface is wet, temporary vegetative cover shall be established or mulch shall be applied as required by the Standard for Dust Control.
- Stockpile and staging locations established in the field shall be placed within the limit of disturbance according to the certified plan. Staging and stockpile and located within the limit of disturbance will require certification of a revised Soil Erosion and Sediment Control Plan. The District reserves the right to determine when certification of a new and separate Soil Erosion and Sediment Control Plan will be required for these activities.
- All soil stockpiles are to be temporarily stabilized in accordance with Soil Erosion and Sediment Control note #6.
- The property owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or offsite as a result of construction of the project.

Ocean County Soil Conservation District
714 Lacey Road, Forked River, NJ 08513, (609) 971-7042, Fax: (609) 971-3391, Email: info@ocscd.net
Version: July 2014



SILT FENCE DETAIL

NO SCALE

APPROVED AS A PRELIMINARY AND FINAL PLAT -
FOR RECORD AND AN EVIDENCE OF THE BRICK TOWNSHIP
PLANNING BOARD ON 4-27-17

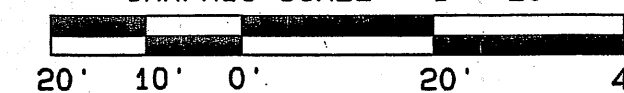
SIGNED: *Bernard J. Cole* 9/6/17
(CHAIRMAN)

ATTES: *John J. Williams* 10/6/17
(SECRETARY)

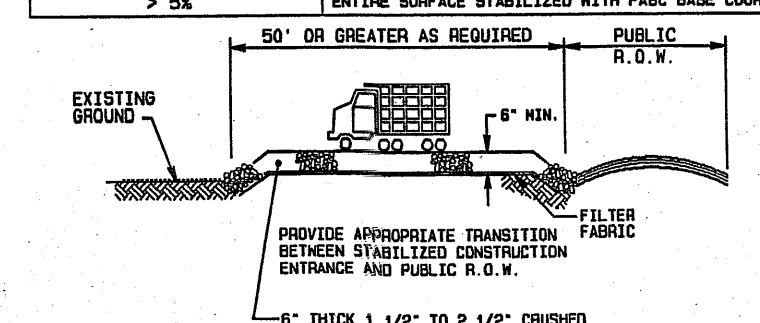
John J. Williams 9/12/17
(ENGINEER)

DATE: 10-6-17

GRAPHIC SCALE - 1" = 20'



PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SAND 100 FT. FINE GRAINED SAND 100 FT.
2 TO 5%	100 FT. 100 FT.
> 5%	ENTIRE SURFACE STABILIZED WITH FINE BASE COURSE



STABILIZED CONSTRUCTION ENTRANCE

NO SCALE

O'DONNELL, STANTON & ASSOCIATES, Inc.
ENGINEERS, PLANNERS AND SURVEYORS
CERTIFICATE OF AUTHORIZATION #6276876

1705 ROUTE 37 EAST
TOWNS RIVER, NEW JERSEY 08753
PHONE: (732) 573-0490 FAX: (732) 573-0499
EMAIL: RECEPTIONIST@OASENGINEERS.COM

MILLIS J. LOONEY, P.E.
PROFESSIONAL ENGINEER N.J. LIC. NO. 35722

DATE: 10/05/16

NO.	DATE	DESCRIPTION OF REVISION	BY	ENGR.
5.	06/06/17	ADDED SPOT SHOT AT RAMP, RELOCATED BIKE RACK AND BENCH	TRP	M.J.L.
4.	03/27/17	EXTENDED SIDEWALK, ADDED BIKE RACK, BENCH, MOVED WHEEL STOPS	TRP	M.J.L.
3.	03/21/17	REVISED SEED MIXTURE TO 45 LBS OF STRONG CREEPING RED FESCUE/TOTAL	TRP	M.J.L.
2.	02/22/17	REVISED PER ENGINEERS REVIEW LETTER	TRP	M.J.L.
1.	01/04/17	ADDED EX. UTILITIES, WOODS LINE	BY	ENGR.

PRELIMINARY AND FINAL PLAT - MAJOR SITE PLAN
SOIL EROSION & SEDIMENT CONTROL PLAN

FOR

TAX MAP BLOCK 1170 - LOT 18.03

BRICK TOWNSHIP

OCEAN COUNTY NEW JERSEY

CHECKED BY	CALC. BY	DRAWN BY	SCALE	DATE	PROJECT NO.	DWG NO.
M.J.L.	TRP	TRP	1"=20'	10/05/16	15001.00	7

8

OWNERSHIP OF DOCUMENTS

DO NOT SCALE DIMENSIONS

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