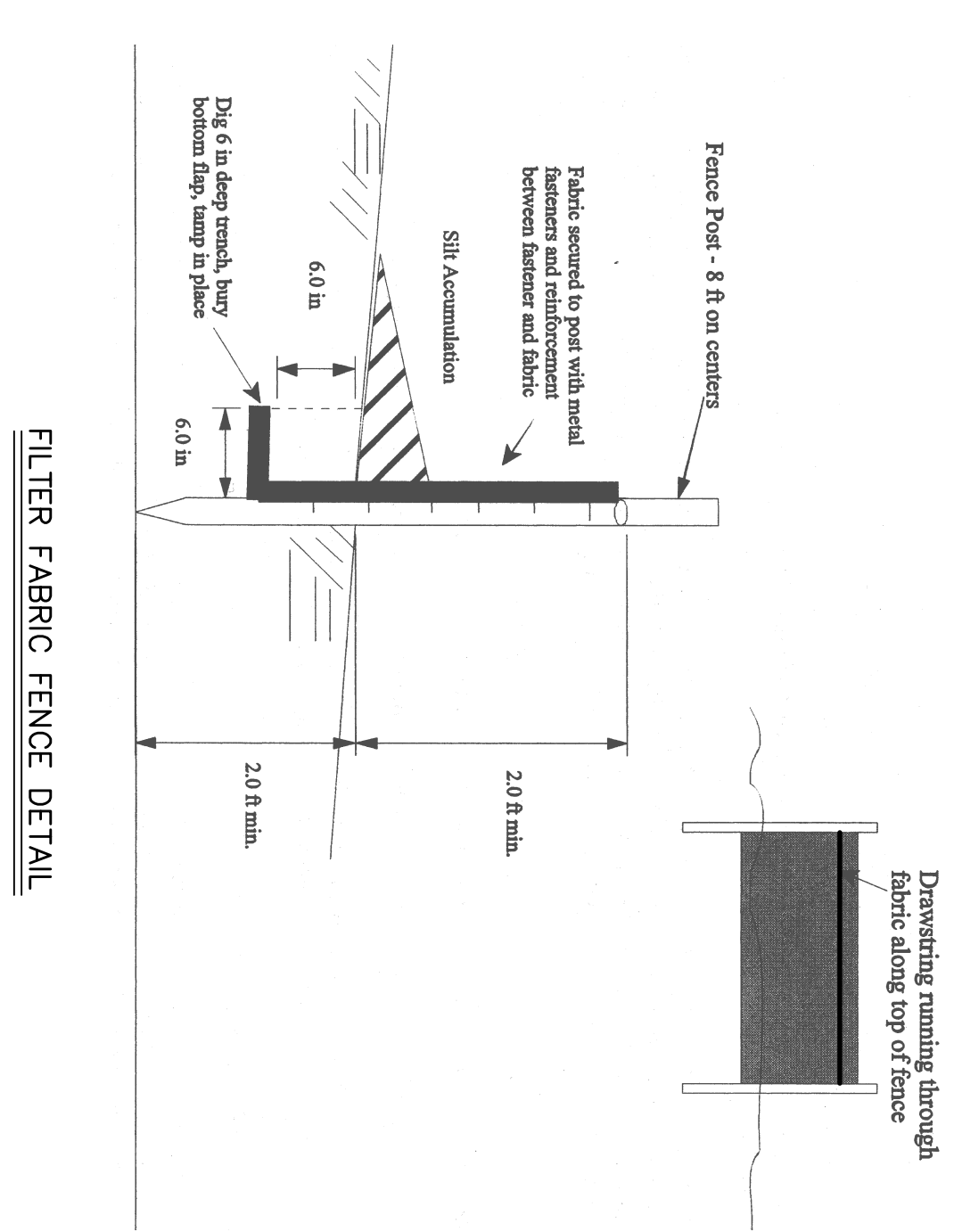


**BERGEN COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES**

- All soil erosion and sediment control practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (NJ Standards), as established.
- Any disturbed area that will be left exposed for more than thirty (30) days and not subject to construction traffic shall immediately receive a temporary seeding and mulching. If the season prohibits temporary seeding, the disturbed area will be mulched with unrouted straw at a rate of 2 tons per acre anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or a liquid mulch binder at a rate of 2 tons per acre, according to the NJ Standards.
- Stabilization Specifications:
 - Temporary Seeding and Mulching:
 - Ground Limestone** - Applied uniformly according to soil test recommendations.
 - Fertilizer** - Apply 11lbs./1,000 sf of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed** - Perennial ryegrass 100 lbs./acre (2.3 lbs./1,000 sf) or other approved seed; plant between March 1 and May 15 or between August 15 and October 1.
 - Mulch** - Unrouted straw or hay at a rate of 70 to 90 lbs./1,000 sf applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
 - Permanent Seeding and Mulching:
 - Apply a uniform application to an average depth of 5", minimum of 4" firm in place as required.
 - Fertilizer** - Applied uniformly according to soil test recommendations.
 - Mulch** - Apply 11 lbs./1,000 sf of 10-10-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed** - Turf type tall fescue (blend of 3 cultivars) 350 lbs./acre (8 lbs./1,000 sf) or other approved seed; plant between March 1 and October 1.
 - (Summer seeding requires irrigation)
 - Mulch** - Unrouted straw or hay at a rate of 70 to 90 lbs./1,000 sf applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).



MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
Anionic asphalt emulsion	7:1	Coarse Spray	1200
Latex emulsion	12.5:1	Fine Spray	235
Resin in water	4:1	Fine Spray	300

Apply according to manufacturer's instructions. May also be used as an additive to sediment basins to flocculate and precipitate suspended solids. See Sediment Basin standard, p. 26-1

Application	Material	Quantity
Stabilized Soil	Acidulated Soy Bean Soap Stick	1200

Tillage - To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.

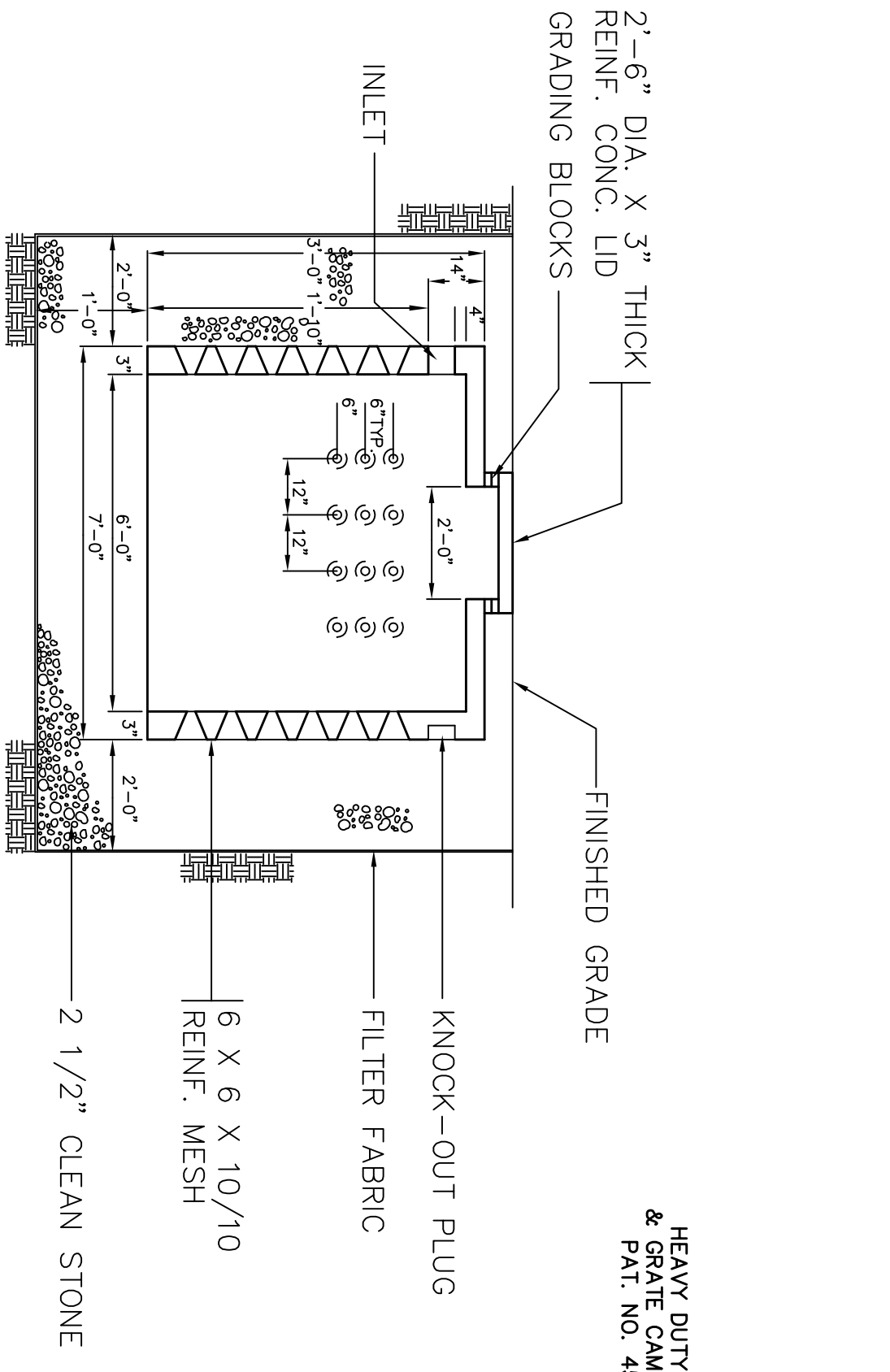
Stippling - Site is stippled until the surface is wet.

Barriers - Solid board fences, snow fences, butyr fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

Calcium Chloride - Shall be in the form of loose, dry granules or flakes fine enough to feed through commonly used spreaders at a rate of 100 lbs. per 1000 sq. ft. of surface area. Do not use in areas of high traffic on steep slopes; then use other practices to prevent washing into streams, or accumulation around plants.

Slime - Cover surface with crushed stone or coarse gravel.

FILTER FABRIC FENCE DETAIL



DETAIL SEEPAGE PIT

VOLUME OF STORAGE PER PIT:
 VOLUME OF PIT = $(\frac{3.14 \times (3)^2 \times (2)}{4}) = 14.14$ CU FT.
 VOLUME OF STONES = $(\frac{3.14 \times (3)^2 \times (2)}{4}) \times (40\% \text{ VOID RATIO}) = 14.17$ CU FT.
 TOTAL VOLUME PER PIT = 75 CU FT + 14.17 CU FT = 222 CU FT

VOLUME OF RAINFALL TO BE STORED:
 (3 IN RAINFALL) x 2,195 SQ. (ADJUDION & PORTION OF DRIVEWAY) = 549 CU STORAGE REQUIRED
 # PITS PROVIDED = 549 CU / 222 CU / PIT = 2.5 = 3 PITS PROVIDED

- Storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- Dewatering operations must discharge directly into a sediment control bog or other approved filter in accordance with Section 14-1 of the NJ Standards.
- Dust shall be controlled via the application of water, calcium chloride or other approved method in accordance with Section 16-1 of the NJ Standards.
- Trees to remain after construction shall be protected with a suitable fence installed at the drip line or beyond in accordance with Section 9-1 of the NJ Standards.
- The project owner shall be responsible for any erosion or sedimentation that may occur from stormwater outlets or off-site as a result of construction of the project.
- Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- A copy of the certified Soil Erosion and Sediment Control Plan must be available at the project site throughout construction.
- The Bergen County Soil Conservation District must be notified, in writing, of least 48 hours prior to any land disturbance; Bergen County SOCD, 700 Kinderhook Road, Suite 106, Oradell, NJ 07649, Tel: 201-261-4407; Fax 201-261-7573.
- The Bergen County Soil Conservation District may request additional measures to minimize on or off-site erosion problems during construction.
- The owner must obtain a District issued report of compliance prior to the issuance of certificates of occupancy. The report of compliance must include a copy of the approved erosion control plan. All site work must be completed, including temporary/permanent stabilization of all exposed areas, prior to the issuance of a report of compliance by the District.

SEQUENCE OF CONSTRUCTION

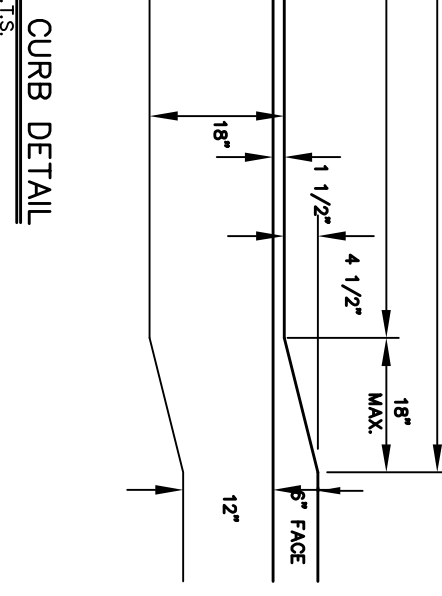
STARTING DATE: SPRING 2023

- INSTALL FILTER BARRIERS AND STABILIZED CONSTRUCTION ACCESS. (2 DAYS)
- CLEAR STRIP AND STOCKPILE TOPSOIL FOR ALL CONSTRUCTION AREAS. (2 DAYS)
- ROUGH GRADE BUILDING AREA (1 WEEK)
- EXCAVATE ADDITION FOUNDATION (1 WEEK)
- CONSTRUCT ADDITION FOUNDATION (3 WEEKS)
- BACK FILL FOUNDATION (2 DAYS)
- ROUGH GRADE LAWN AREAS (3 DAYS)
- INSTALL CULTEC CHAMBERS AND UTILITIES (3 DAYS)
- FRAME DWELLING (6 WEEKS)
- CONSTRUCT ADDITION (2 WEEKS)
- COMPLETE DWELLING (16 WEEKS)
- REDISTRIBUTE TOPSOIL (1 WEEK)
- LANDSCAPE, PERMANENTLY STABILIZE ALL DISTURBED AREAS. (1 WEEK)
- REMOVE ALL TEMP. FILTER BARRIERS. (1 DAY)

**THIS PROJECT IS EXEMPT FROM SOIL
COMPACTION TESTING AND
REMEDIATION AS IT IS LOCATED IN THE
METROPOLITAN PLANNING AREA.**

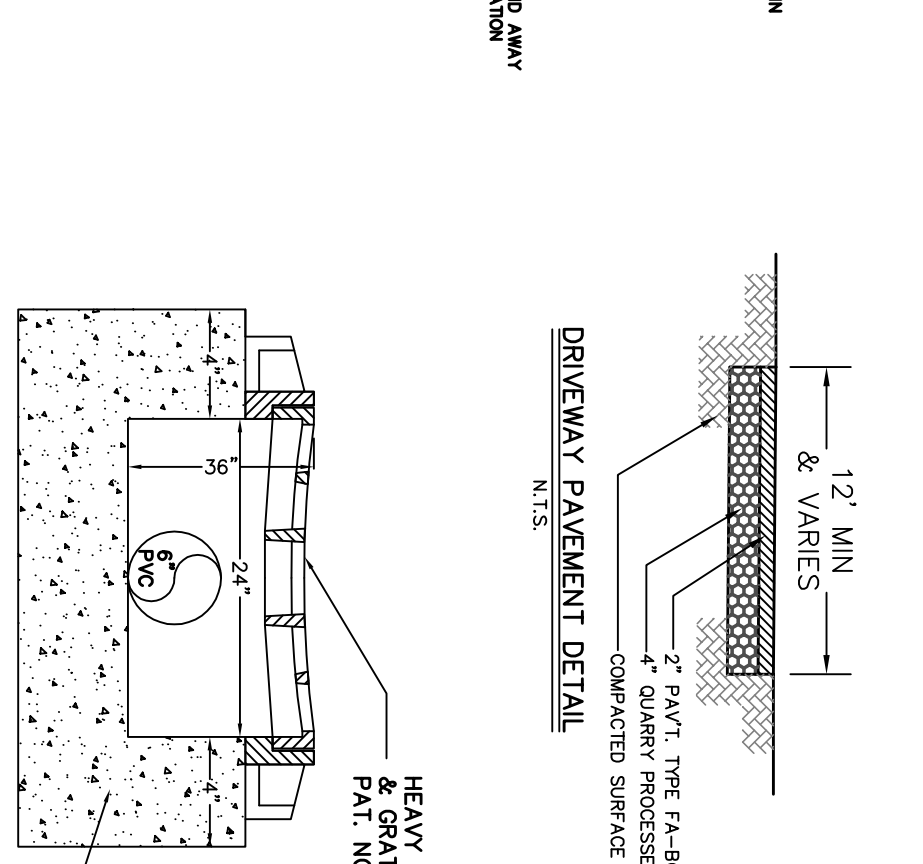
DEPRESSED CURB DETAIL

N.T.S.



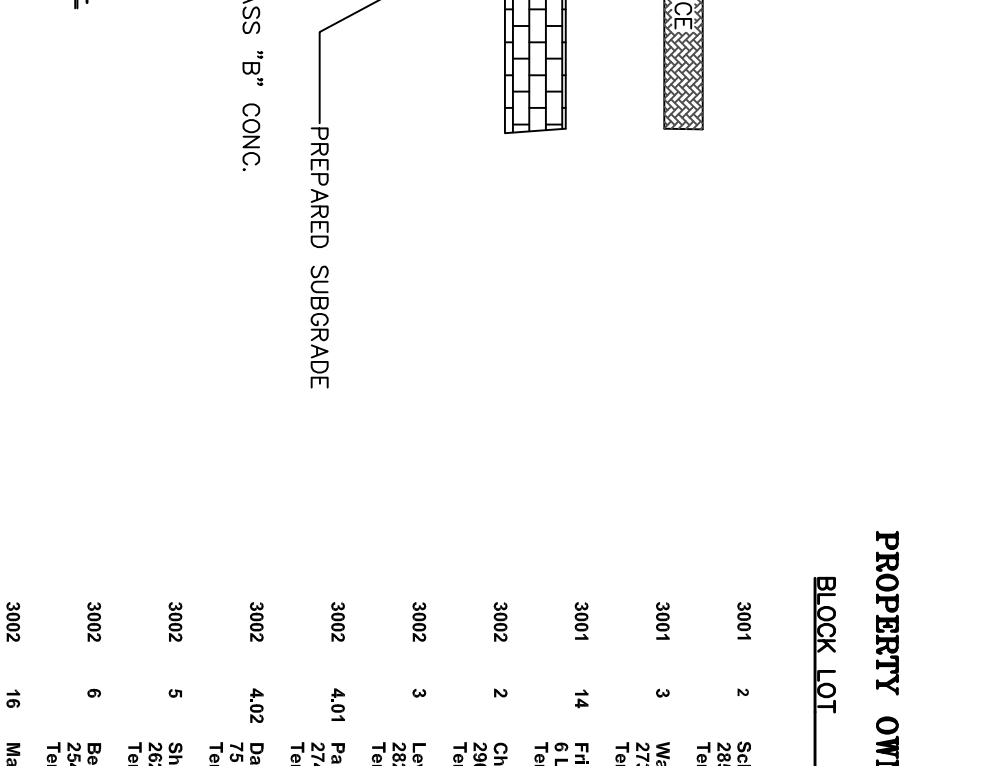
OVERFLOW TEE & SPLASH PAD

N.T.S.



BELGIAN BLOCK CURB DETAIL

N.T.S.



PROPERTY OWNERS WITHIN 200'

BLOCK LOT OWNER

2001	2	Schenck Demont Lash & Mark
2001	3	282 Woodland Street Trenton, NJ 07700
2001	3	277 Woodland St Trenton, NJ 07700
2001	14	Friedman, Michael & Karl
2002	2	Cashin, Joyce Trenton, NJ 07700
2002	3	Lindstrom, John & Sara
2002	401	282 Woodland Street Trenton, NJ 07700
2002	402	277 Woodland St Trenton, NJ 07700
2002	402	Danzonak, Jonathan & Jennifer
2002	5	Shirk, Barry & Oshika, Shinya
2002	6	Emper, Ronald & Mindel
2002	16	244 Woodland St Trenton, NJ 07700
2002	16	238 Woodland St Trenton, NJ 07700
2002	17	238 Woodland St Trenton, NJ 07700
2002	18	238 Woodland St Trenton, NJ 07700
2002	19	Hend, Gil & Barbara
2002	19	277 Woodland St Trenton, NJ 07700

SOIL LOG & TEST RESULTS

TAKEN BY MAP ENGINEERING

TESTHOLE #1 (11-10-2022)
 0' - 24" FILL SOIL
 24" - 52" 10% S/1 LOAM, SUBANGULAR BLOCKY, FRABLE
 52" - 100" 10% S/4/4 SANDY LOAM, SUBANGULAR BLOCKY, FRABLE
 10% GRAVEL, 5% COBBLE, 5% STONE
 SOIL SAMPLE TAKEN AT 54"
 SOIL PERMEABILITY RATING: K-3 (-2-6 IN/HR)
 SEEPAGE AT 78"

SOIL EROSION & SEDIMENT CONTROL PLAN

NOTES & DETAILS
BLOCK 3002 - LOT 4.01
 #274 WOODLAND STREET

MICHAEL CANCELI
 FOR
MICHAEL CANCELI
 BOROUGHS OF TRENTON, BERGEN CO. N.J.
MAP ENGINEERING, INC.
 770 Kinnelon Road
 Kinnelon, NJ 07045
 P: (973) 492-0345
 F: (973) 492-6472
 www.map-engineering.com

JOSEPH E. HOGAN, P.E.
 N.J. CERTIFICATE OF AUTHORIZATION NO. 2712100
 DATE 11/14/2022

DATE 11/14/2022
 DRAWING SCALE AS SHOWN
 SHEET NO. 2 OF 2
 GRAPHIC SCALE

DATE	BY	REVISIONS

DESIGNER: MAP ENGINEERING
 DRAWN BY: CSV
 CHECKED BY: JEH