

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

1. 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), and will be installed in proper sequence and maintained until permanent stabilization is established.
2. Any disturbed area that will be left exposed for more than thirty (30) days and is not protected from erosion by temporary erosion control practices will be mulched and matted. If the season prohibits temporary seeding, the disturbed area will be mulched with unrotted straw at a rate of 2 tons per acre anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
3. 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 suitable equivalent, at a rate of 2 tons per acre, according to the NJ Standards.
4. Stabilization Specifications:
  - A. Temporary Seeding and Mulching:
    - 1. Seeding - Applied uniformly according to soil test recommendations.
    - 2. Fertilizer - Apply 11lbs. /1,000 sq. ft. of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise)
    - 3. Seed - Perennial Ryegrass 100 lbs./acre (2.3 lbs. /1,000 sq. ft.) or other approved seed, plant between March 1 and May 15 or between August 15 and October 1.
    - 4. Mulch - Unrotted straw or hay at a rate of 70 to 90 lbs. /1,000 sq. ft. 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).
  - B. Permanent Seeding and Mulching:
    - 1. Fertilizer - A uniform application to an average depth of 5", minimum of 4" firm in place is required.
    - 2. Seeding - Apply 11 lbs. /1,000 sq. ft. of 10-10-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise)
    - 3. Seeding - Turf type tall fescue (blend of 3 cultivars) 350 lbs./acre (8 lbs. /1,000 sq. ft.)
    - 4. Other approved seed, plant between March 1 and October 1
    - 5. Mulch - Seeding straw or hay, at a rate of 70 to 90 lbs. /1,000 sq. ft. 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).

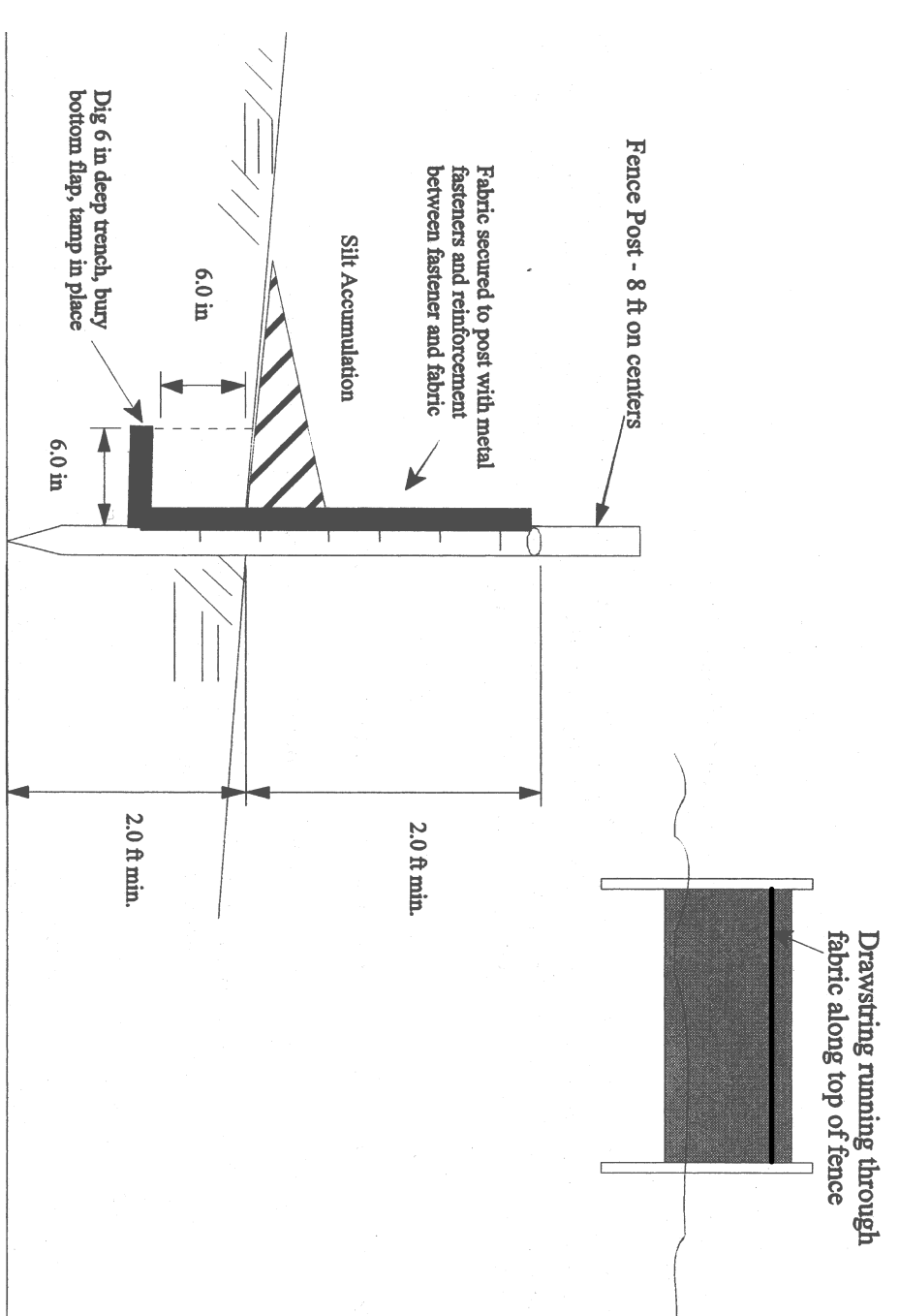
6. Soil erosion and sediment control measures will be inspected and maintained on a regular basis, including after every storm event.
7. Stockpiles are not to be located within 50' of a floodplain, slope, roadway or drainage facility; the base of all stockpiles shall be contained by a hydrobe sediment barrier or silt fence.
8. A crushed stone, vehicle wheel-cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 1" - 2 1/2" crushed stone, 6" thick, will be at least 30' x 100' and should be underlain with a suitable synthetic sediment filter fabric and maintained.
9. Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the District.
10. Driveways must be stabilized with 1" - 2 1/2" crushed stone or subbase prior to individual lot construction.
11. All soil washed, dropped, spilled or tracked outside the limit of disturbance or onto public right-of-ways, will be removed immediately. Paved roadways must be kept clean at all times.
12. Catch basin inlets will be protected with an inlet filter designed in accordance with Section 28 -1 of the NJ Standards.
13. Storm drainage outlets will be stabilized, as required, before the discharge points become operational.
14. Dewatering operations must discharge directly into a sediment control bag or other approved filter in accordance with Section 14-1 of the NJ Standards.
15. 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.
16. Trees to remain after construction are to be protected with a suitable fence installed at the drip line or beyond in accordance with Section 9-1 of the NJ Standards.
17. The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or off-site as a result of construction of the project.
18. 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.
19. A copy of the certified Soil Erosion and Sediment Control Plan must be available at the project site throughout construction.
20. The Bergen County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance. Bergen County SOI, 700 Kinderhook Road, Suite 100, Oradell, NJ 07094, Tel: 201-261-4407, Fax: 201-261-1575.
21. The Bergen County Soil Conservation District may request additional measures to minimize on or off-site erosion problems during construction.
22. The owner must obtain a District issued report of compliance prior to the issuance of any certificate of occupancy. The District requires at least one week's notice to facilitate the scheduling of all report of compliance inspections. 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**

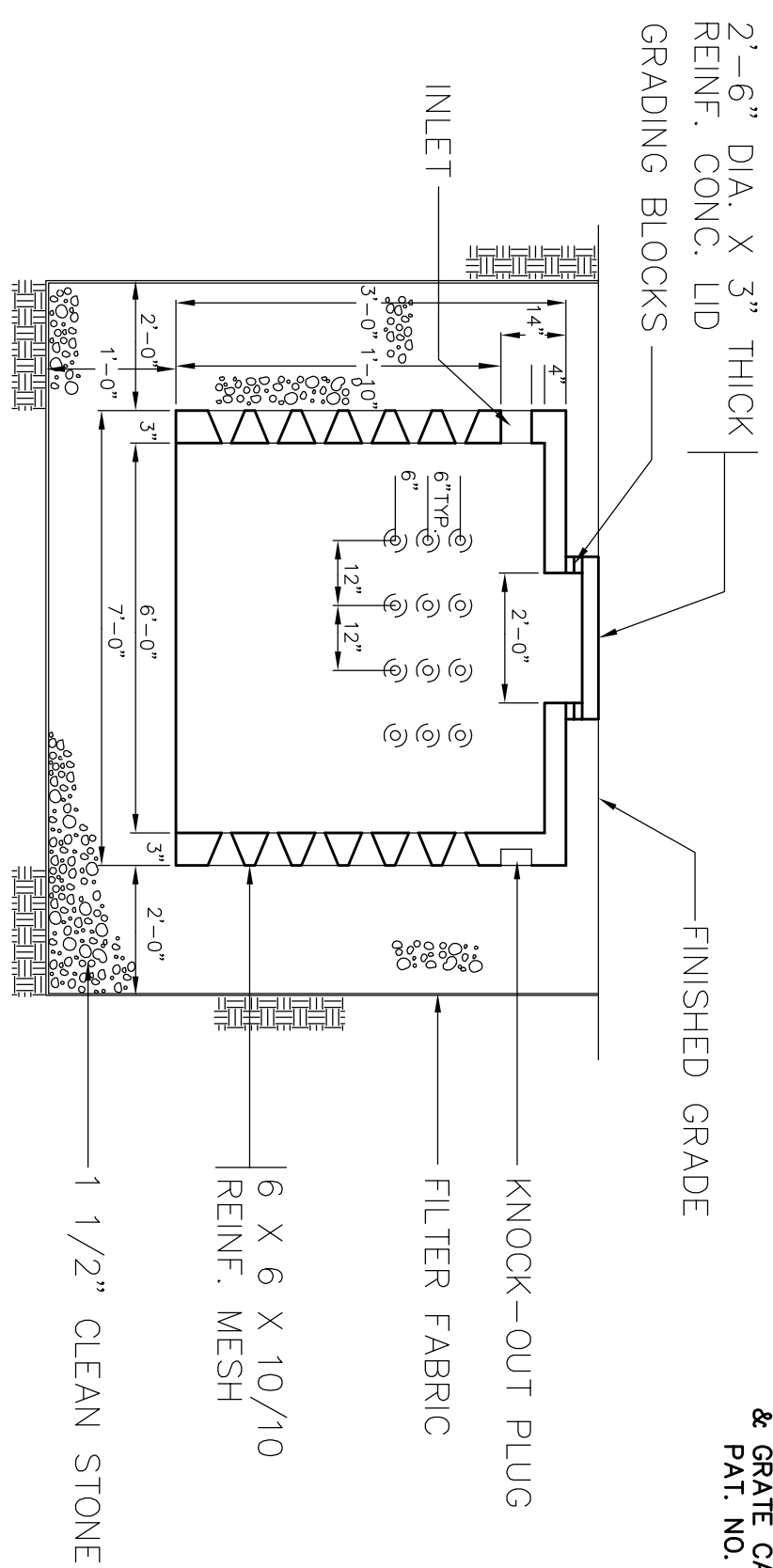
STARTING DATE: WINTER 2022

1. INSTALL FILTER BARRIERS AND STABILIZED CONSTRUCTION ACCESS. (2 DAYS)
2. CLEAR STRIP AND STOCKPILE TOPSOIL FOR ALL CONSTRUCTION AREAS. (2 DAYS)
3. ROUGH GRADE BUILDING AREA (1 WEEK)
4. EXCAVATE ADDITION FOUNDATION (1 WEEK)
5. CONSTRUCT ADDITION FOUNDATION (3 WEEKS)
6. BACK FILL FOUNDATION (2 DAYS)
7. ROUGH GRADE LAWN AREAS (3 DAYS)
8. INSTALL CULTIC CHAMBERS AND UTILITIES (3 DAYS)
9. FRAME DWELLING (6 WEEKS)
10. CONSTRUCT ADDITION (2 WEEKS)
11. COMPLETE DWELLING (16 WEEKS)
12. REDISTRIBUTE TOPSOIL (1 WEEK)
13. LANDSCAPE, PERMANENTLY STABILIZE ALL DISTURBED AREAS. (1 WEEK)
14. 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.**



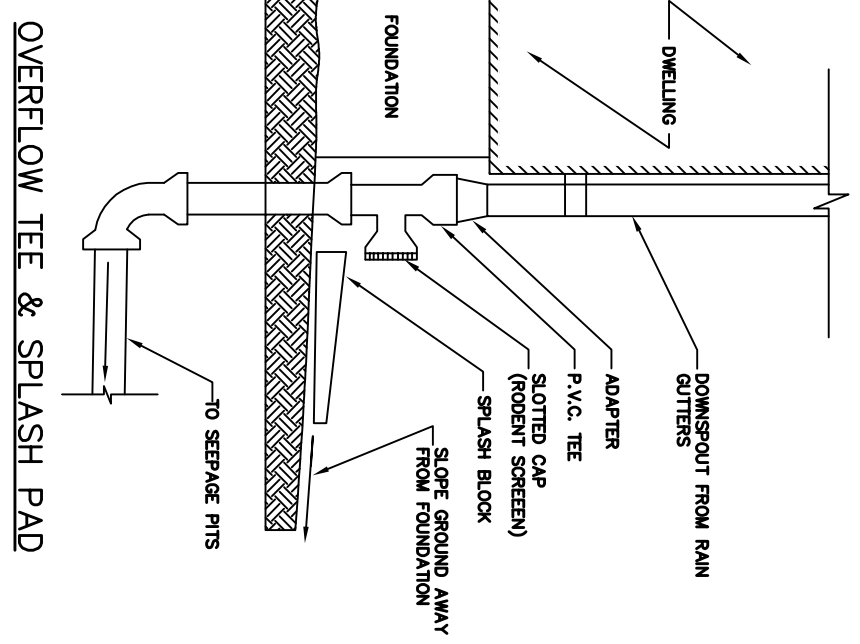
**FILTER FABRIC FENCE DETAIL**



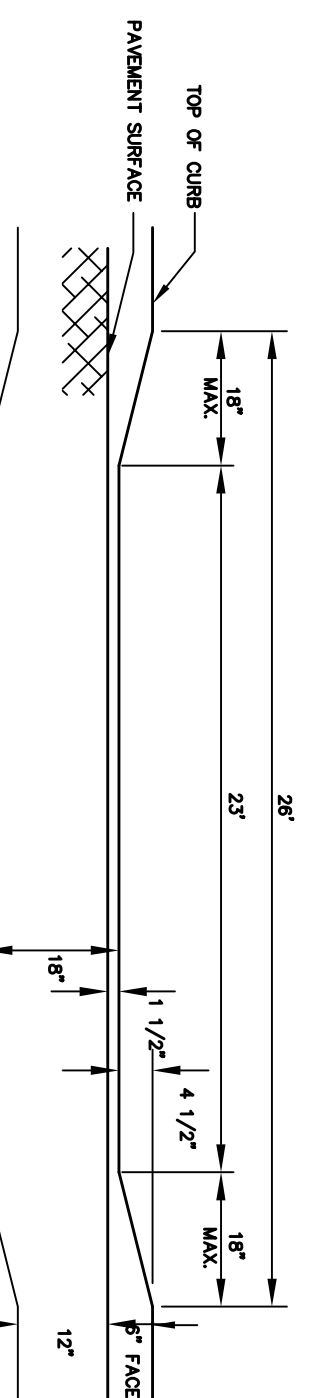
**DETAIL SEEPAGE PIT (500 GALLON)**

VOLUME OF STORAGE PER PIT:  
 $VOLUME\ OF\ PIT = (3.14)(3')(3')(2.87) = 75\ CF$   
 $VOLUME\ OF\ STONES = \frac{(17)(17)(4) - (3.14)(3.5)(3)(3)(4)(0.4)}{27} = 147\ CF$   
 $TOTAL\ VOLUME\ PER\ PIT = 75\ CF + 147\ CF = 222\ CF$

VOLUME OF RAINFALL TO BE STORED:  
 $(3\ in\ RAINFALL) / 12\ x\ 2,701\ SF\ (ADDITION\ \&\ PORTION\ OF\ DRIVEWAY) = 675\ CF\ STORAGE\ REQUIRED$   
 $\#\ PITS\ PROVIDED = 675\ CF / 222\ CF/PIT = 3.04 = 3\ PITS\ PROPOSED$



**OVERFLOW TEE & SPLASH PAD**



**DEPRESSED CURB DETAIL**

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	GALLONS/ACR E
Anionic asphalt emulsion	7:1	Course Spray	1200
Latic 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 anhydrous limestone to flocculate and precipitate suspended solids. See Sediment Basin standard, p. 26-1.

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	GALLONS/ACR E
Acidulated Soy Bean Soap Stick	None	Course Spray	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.

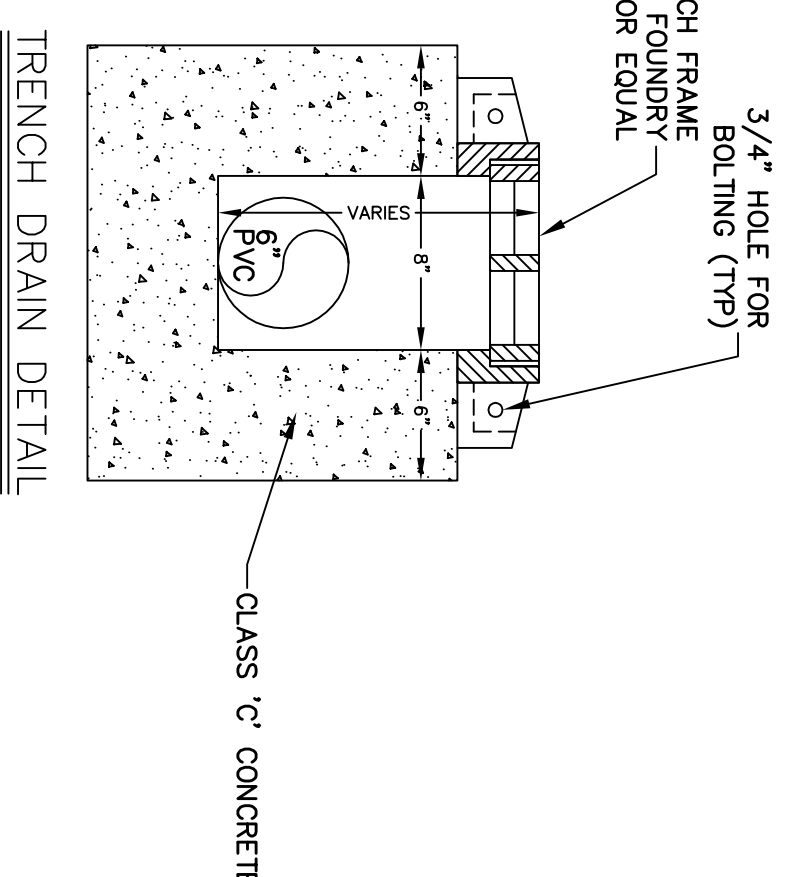
**Sprikling** - Site is sprinkled until the surface is wet.

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

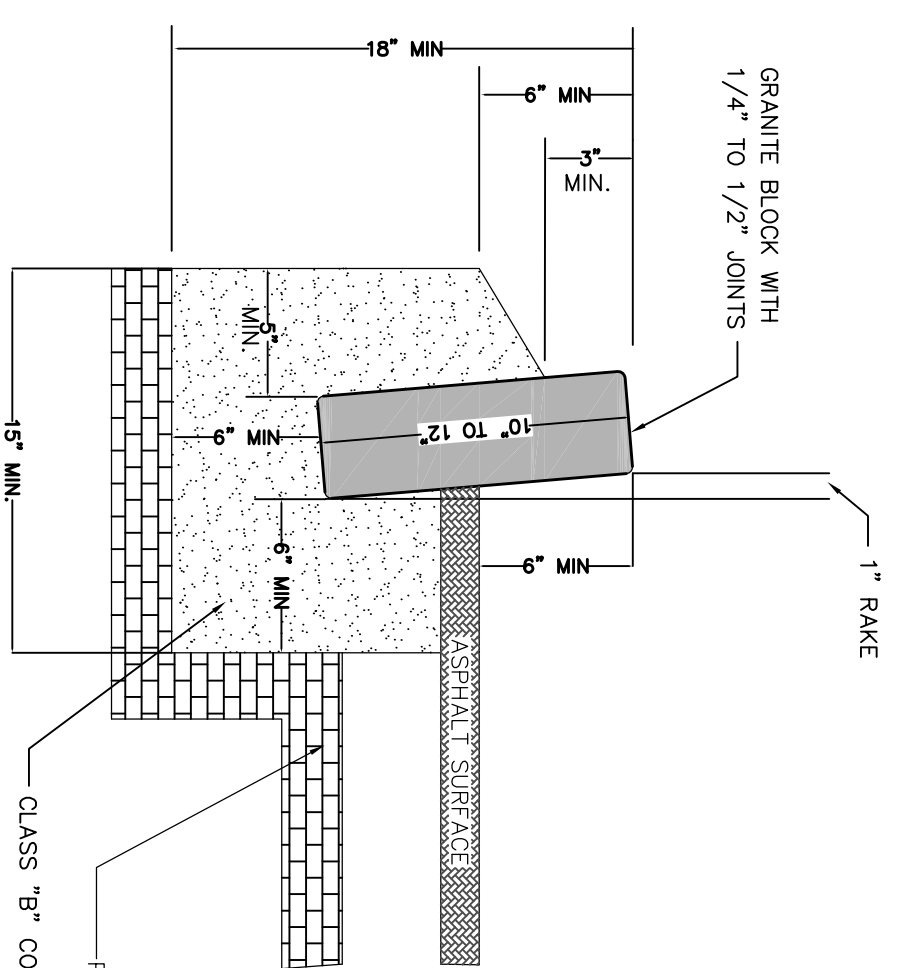
**Calcium Chloride** - Shall be in the form of loose, dry granules or flakes fine enough to feed through commonly used spreaders at a rate that will keep surface moist but not cause pollution or plant damage. If used on steeper slopes, then use other practices to prevent washing into streams, or accumulation around plants.

**Silage** - Cover surface with crushed stone or coarse gravel.

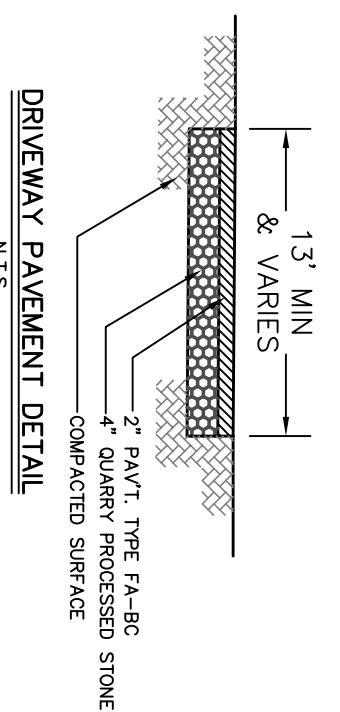
**DUST CONTROL NOTES**



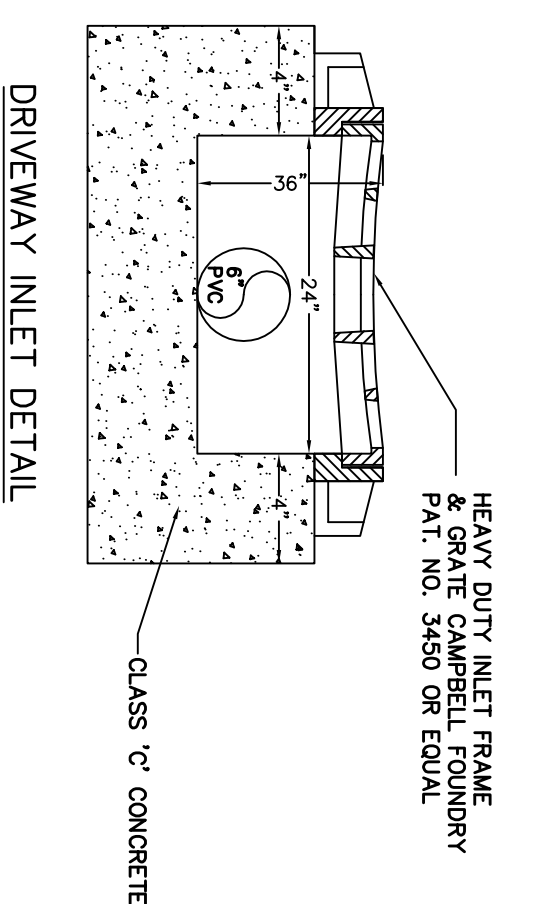
**TRENCH DRAIN DETAIL**



**BELGIAN BLOCK CURB DETAIL**



**DRIVEWAY PAVEMENT DETAIL**



**DRIVEWAY INLET DETAIL**

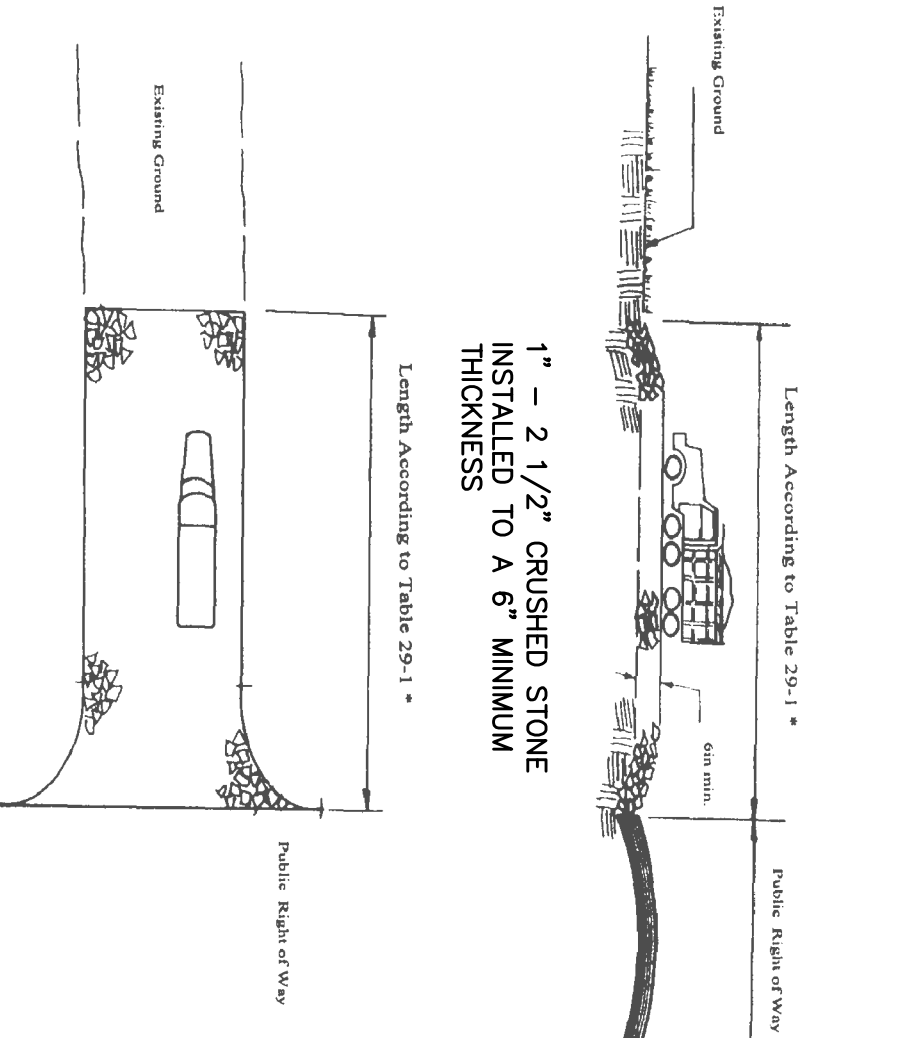
**SOIL LOG & TEST RESULTS**

TAKEN BY MAP ENGINEERING  
 TESTHOLE #1 (11-10-2022)  
 FILL  
 0" - 24"  
 24" - 28"  
 28" - 52"  
 52" - 100"

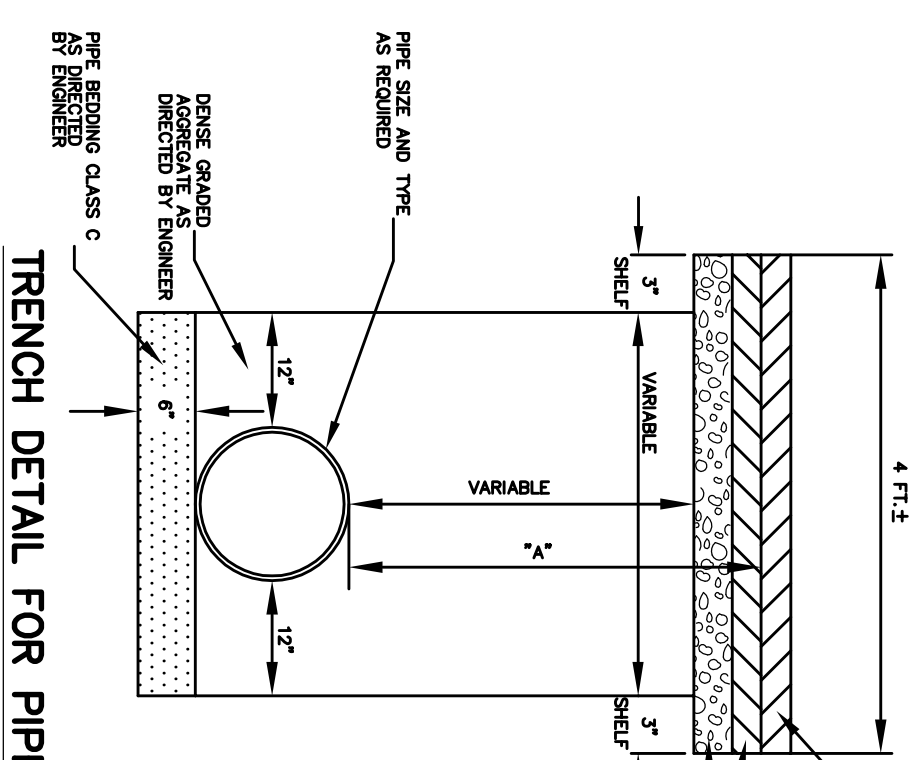
TOPSOIL  
 10 YR 5/1 LOAM, SUBANGULAR BLOCKY, FRABLE  
 5% GRAVEL, 0% COBBLE, 0% STONE  
 10 YR 4/4 SANDY LOAM, SUBANGULAR BLOCKY, FRABLE  
 15% GRAVEL, 5% COBBLE, 5% STONE  
 SOIL SAMPLE TAKEN AT 54"  
 SOIL SENSIBILITY RATINGS: K-3 (2-6 IN./HR)  
 SEEPAGE AT 78"

**PROPERTY OWNERS WITHIN 200' BLOCK LOT OWNER**

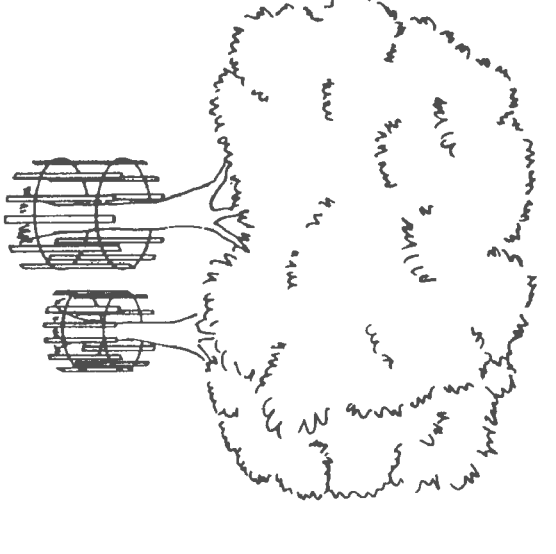
3001	2	Schulz & Thomas, Tom & Maria	255 Woodland Street Trenton, NJ 07070
3001	3	Wang, Theodore & Lijun Tian	Trenton, NJ 07070
3001	14	Friedman, Michael & Neil	Trenton, NJ 07070
3002	2	Quinn, Joyce	250 Woodland St Trenton, NJ 07070
3002	3	252 Woodland Street & 3rd	Trenton, NJ 07070
3002	401	Pulvise, Shepard	Trenton, NJ 07070
3002	402	Dumalecki, Jonathan & Jennifer	75 Oxford Dr Trenton, NJ 07070
3002	5	Shih, Ben & Cynthia, Sheng	252 Woodland Street Trenton, NJ 07070
3002	6	252 Woodland Street	Trenton, NJ 07070
3002	16	Melchior-Melchior, Jean 75 1/2 Madison	Trenton, NJ 07070
3002	47	Singola, Adam	87 Oxford Drive Trenton, NJ 07070
3002	18	Wahm, Paul & Fran, Karen	Trenton, NJ 07070
3002	19	Hard, Gil & Debra	Trenton, NJ 07070



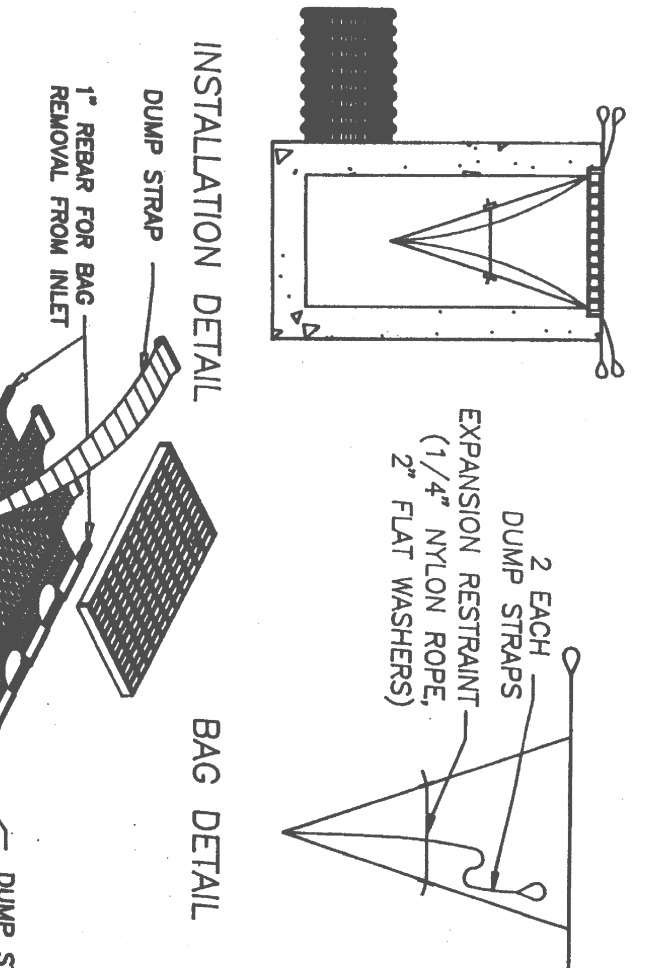
**STABILIZED CONSTRUCTION ACCESS PAD DETAIL**



**TRENCH DETAIL FOR PIPE**



**TREE PROTECTION DETAIL**



**INLET PROTECTION FILTER DETAIL**

**SOIL EROSION & SEDIMENT CONTROL PLAN  
NOTES & DETAILS  
BLOCK 3002 - LOT 4.01  
#274 WOODLAND STREET**

**MICHAEL CANGELOSI**  
FOR

**MAP ENGINEERING, INC.**  
1000  
Soil Erosion  
Kinnelon, NJ 07045

**JOSEPH E. HOGAN, P.E.**  
N.J. PROFESSIONAL ENGINEER LICENSE NO. 54457  
N.J. CERTIFICATE OF AUTHORIZATION NO. Z912100  
www.MapEngineering.net

DATE 1/14/2022

JOB NO: 4012-3425  
SHEET NO: 2 OF 2

REVISIONS  
 DATE BY DESCRIPTION  
 12/12/22 ELLI ZONING DENIAL  
 08/24/21 ELLI

DRAWING SCALE AS SHOWN  
 GRAPHIC SCALE