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PecmCc

SOIL EROSION AND SEDIMENT CONTROL NOTES
(To be included on the signed erosion control plan sheet)

- All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control" 7th Edition last revised December 2017. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- All soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, will be temporarily seeded and hay mulched or otherwise provided with vegetative cover. This temporary cover shall be maintained until such time whereby permanent revegetation is established.
- Seeding Dates:** The following seeding dates are recommended to best establish permanent vegetative cover within most locations in the HEPSCD: **Spring - 3/1-3/15** and **Fall - 8/15 - 10/1**
- Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established
- All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- The Hudson-Essex-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. **Fax - (862) 333-4507** OR email - **INFORMATION@HEPSCD.ORG**
- The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality, NJ, DCA or any other controlling agency.** Contact the District at 862-333-4505 to request a Final Inspection, giving advanced notice upon completion of the revegetation measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control bags.
- All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5.0 inches, firmed in place, is required, as per the Standards for Topsoiling and Land Grading, last revised December 2017.
- All plan revisions must be submitted to the District for proper review and approval.
- A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 1/2" - 1" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.
- The Hudson-Essex-Passaic Soil Conservation District shall be notified, in writing, for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.**

TEMPORARY STABILIZATION

SOILS EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, SHALL BE SEED & HAY MULCHED AND STABILIZED WITH TEMPORARY VEGETATIVE COVER OR OTHER APPROVED.

- STREETS, DRIVEWAYS AND PARKING AREAS NOT SCHEDULED FOR PAVING WITHIN THE ALLOTTED TIME FRAME SHALL BE STABILIZED USING PAYMENT SUBBASE COURSE. THIS SUBBASE COURSE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING.
- ALL AREAS NOT SCHEDULED FOR PAVING SHALL RECEIVE A TEMPORARY SEEDING IMMEDIATELY FOLLOWING INITIAL GRADING.
- APPLY FERTILIZER AT A RATE OF 500 LBS./ACRE OR 11 LBS./1,000 SF. OF 10-20-10 EQUIVALENT. APPLY LIME AT A RATE OF 2 TONS/ACRES.
- WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES UNTIL UNIFORM.
- TEMPORARY SEEDING WILL BE A MIX OF ANNUAL RYEGRASS OR PERENNIAL RYEGRASS AT A RATE OF 100 LBS./ACRE OR 1 LB./1,000 SF.
- UN-ROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT A RATE OF 1-1/2 TO 2 TONS/ACRE (70 TO 90 LBS./1,000 SF).

PERMANENT STABILIZATION

- ALL AREAS NOT SCHEDULED FOR CONSTRUCTION OR LANDSCAPING TO BE STABILIZED USING SEED MIXTURE NO. 13 CONSISTING OF HARD FESCUE AND/OR CHEWING FESCUE AT A RATE OF 175 LBS./ACRE (4 LBS./1,000 SF), STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS & KENTUCKY BLUEGRASS (BLEND), BOTH AT A RATE OF 45 LBS./ACRE (1LB/1000 SF)
- UNIFORMLY APPLY GROUND LIME AND FERTILIZER TO SPREAD TOPSOIL AT A RATE OF 500 LBS./ACRE OR 11 LBS./1,000 SF OF 10-10-10 EQUIVALENT.
- WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES UNTIL UNIFORM.
- REMOVE ALL SURFACE DEBRIS AND STONES 2 INCHES OR LARGER.
- UN-ROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT A RATE OF 1-1/2 TO 2 TONS/ACRE (70 TO 90 LBS./1,000 SF).
- INSPECT SEEDBED JUST BEFORE SEEDING IF TRAFFIC HAS LEFT THE SOIL COMPACTED. THE AREA MUST BE RE-TILLED AND FIRMED AS ABOVE.
- A DEPTH OF 5 INCHES OF TOPSOIL IS REQUIRED FOR ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER.

SOIL COMPACTION EXEMPTION NOTE

AS DETERMINED BY THE STATE POLICY MAP, THE PROJECT AREA FALLS WITHIN THE METROPOLITAN PLANNING AREA (PA1). UNDER EXISTING CONDITIONS, THE SITE IS NOT COVERED IN WOODY VEGETATION NOR REGROWTH. IN ACCORDANCE WITH NEW JERSEY STANDARD FOR LAND GRADING (REVISED 2017), NON WOODY VEGETATED PA1 AREAS FALL UNDER THE SOIL COMPACTION EXEMPTION LIST AS A "URBAN REDEVELOPMENT" AND IS DEFINED BY NJDEP AS "PREVIOUSLY DEVELOPED".

DUST CONTROL NOTES

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST

- MULCHES - SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1).
- VEGETATIVE COVER - SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (PG. 7-1, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1) AND PERMANENT STABILIZATION WITH SOD (PG. 6-1).
- SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS), KEEP TRAFFIC OFF THESE AREAS.

MATERIAL	WATER DILUTION	TYPE OF NOZZEL	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
POLYACRYLAMIDE (PAM) SPRAY ON/DRY SPRAY	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD (PG. 26-1)		
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

- TILLAGE - TO 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 IF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING TOOTHED HARROWS ARE. EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- SPRINKLING - SITE IS SPRINKLED UNTIL SURFACE IS WET.
- BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULATES OF FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP THE 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.

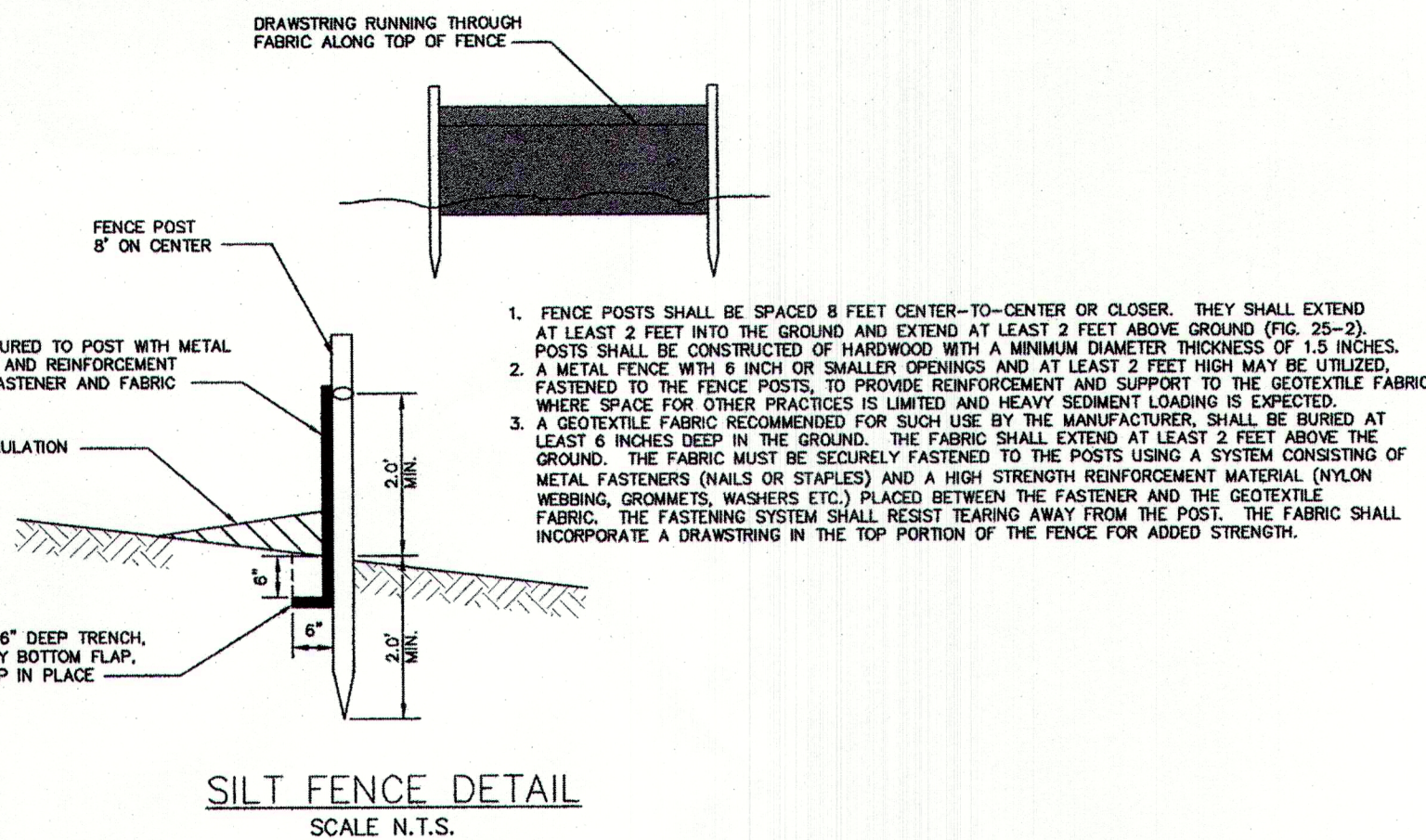
SOIL LEGEND

SOIL INFORMATION OBTAINED FROM WEB SOIL SURVEY, MAP PRINTED ON 08-16-2023

- PecmCc - PECKMANTOWN SILT LOAM, 8 TO 15 PERCENT SLOPES, EXTREMELY STONY
- PecmBc - PECKMANTOWN SILT LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY
- PecuuC - PECKMANTOWN - URBAN LAND, PECKMANTOWN SUBSTRATUM COMPLEX, 8 TO 15 PERCENT SLOPES

SEQUENCE OF CONSTRUCTION

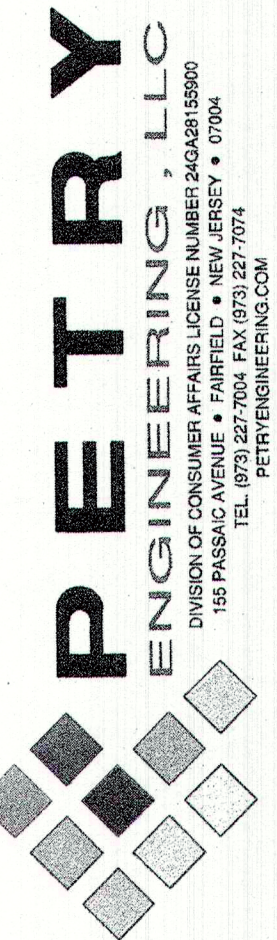
- INSTALL SILT FENCE AND ANTI-TRACKING PAD (DURATION: APPROX. 1 DAY)
- REMOVE SHED AND WALKWAYS PROPOSED TO BE REMOVED (DURATION: APPROX. 1 DAY)
- CONSTRUCT DWELLING ADDITIONS AND DECK (DURATION: APPROX. 3 MONTHS)
- ROUGH GRADE SITE (DURATION: APPROX. 1 WEEK)
- STABILIZE AND SEED ALL DISTURBED AREAS (DURATION: APPROX. 2 DAYS)
- REMOVE ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES (DURATION: APPROX. 1 DAY)



SOIL EROSION LEGEND	
---	X --- SILT FENCE (SEE DETAIL)
- - -	LIMIT OF DISTURBANCE
- - -	SOIL BOUNDARY LINE

TOTAL AREA OF DISTURBANCE:
11,500 SQ.FT. OR 0.26± AC.

- REFERENCES:
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN IS FROM A CERTAIN MAP ENTITLED "CONDOMINIUM SURVEY, TAX LOT 91 - BLOCK 1403, 170 GROVE AVENUE, TOWNSHIP OF VERONA, ESSEX COUNTY, NEW JERSEY" PREPARED BY LAKELAND SURVEYING AND DATED 9/24/2016, REVISED THROUGH 8/10/2023.



REV	DESCRIPTION	DATE
1	CLARIFICATION TO NEIGHBORS SHED	9/12/23

CHECKED BY: JUMP

DRAFTED BY: DJK

1 INCH = 20 FT.



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NJ PROFESSIONAL ENGINEER LIC. No. 38662
DATE: 8/29/2023

PREPARED FOR
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170 GROVE AVENUE
LOT 91, BLOCK 1403
TOWNSHIP OF VERONA
ESSEX COUNTY, NEW JERSEY