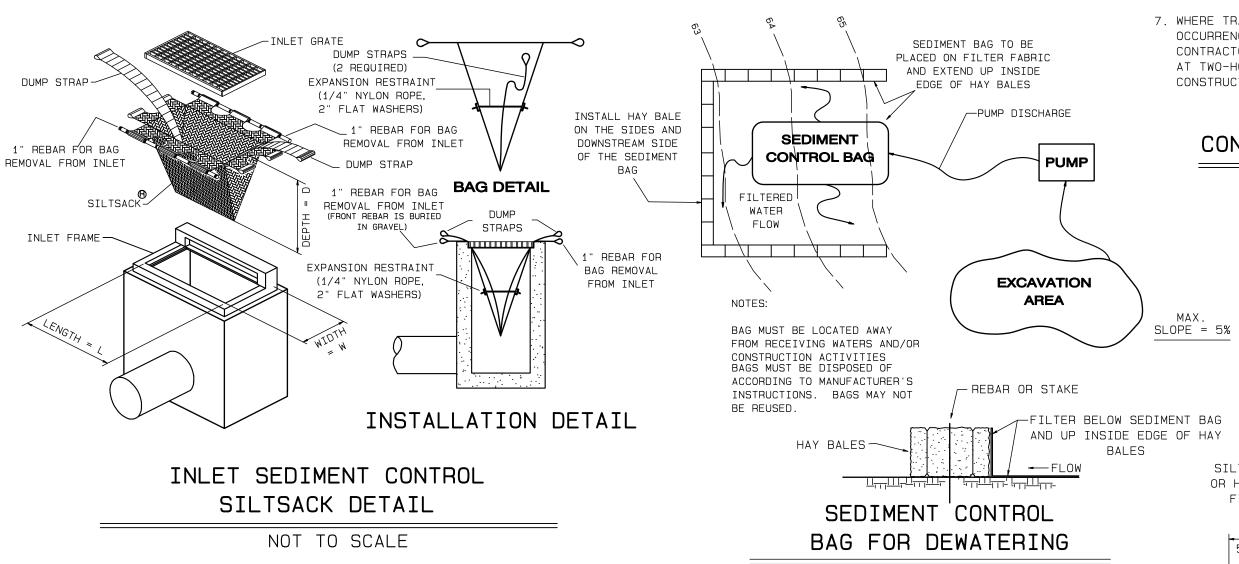


- 3. SILT FENCE SHALL BE INSTALLED SO WATER CANNOT BYPASS THE FENCE AROUND IT'S ENDS.
- 4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE.
- 5. SILT FENCE SHALL BE REMOVED WHEN CONTRIBUTARY DRAINAGE AREA HAS BEEN STABILIZED

## SILT FENCE CONSTRUCTION AND INSTALLATION DETAIL



## -AREA TO BE STABILIZED SEE TOPSOILING AND STABILIZATION NOTES FINISHED GRADE 12" MINIMUM OF SETTLED SOIL ACID PRODUCING

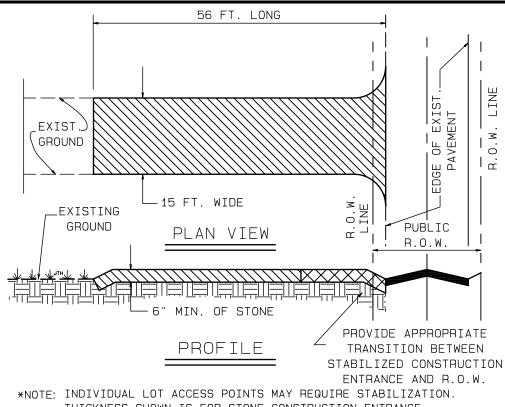
1. ACID PRODUCING SOILS ARE DEFINED AS SOILS CONTAINING IRON SULFIDE MINERALS OR SOILS WITH A PH OF 4.0 OR LESS.

GROUNDWATER

- 2. IRON SULFIDE MINERIALS WILL PRODUCE SULFURIC ACID WHEN EXPOSED TO THE AIR OR SURFACE WATERS.
- 3. SOIL USED TO COVER ACID PRODUCING SOIL SHALL HAVE A PH OF 5.0 OR
- 4. AREAS ON SLOPES SHALL BE COVERED WITH 2 FEET OF SUITABLE SOIL HAVING A PH OF 5.0 OR MORE. THE TOP 5 INCHES (UNSETTLED) SHALL BE TOPSOILED.
- 5. AREAS WHERE TREES AND/OR SHRUBS WILL BE PLANTED SHALL ALSO BE COVERED
- WITHA MINIMUM OF 3 FEET OF SETTLED SOIL WITH A PH OF 5.0 OR MORE.
- 6. ACID SOIL PLACEMENT SHALL AVOID IF POSSIBLE PLACEMENT IN AREAS PROPOSED FOR FUTURE RESIDENTIAL LOTS.
- 7. TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOIL MATERIAL TO BE EXPOSED FOR MORE THAN 30 DAYS SHALL BE COVERED WITH HEAVY GRADE SHEETS OF POLYETHYLENE OR 3" TO 6" OF WOOD CHIPS
- 8. PRIOR TO BURIAL OF ACID PRODUCING SOIL, THE SOIL SHALL BE TREATED WITH LIMESTONE APPLIED AT A RATE OF 6 TONS PER ACRE (275 LBS PER 1000 S.F.)

## MANAGEMENT OF HIGH ACID SOILS

N.T.S.



THICKNESS SHOWN IS FOR STONE CONSTRUCTION ENTRANCE

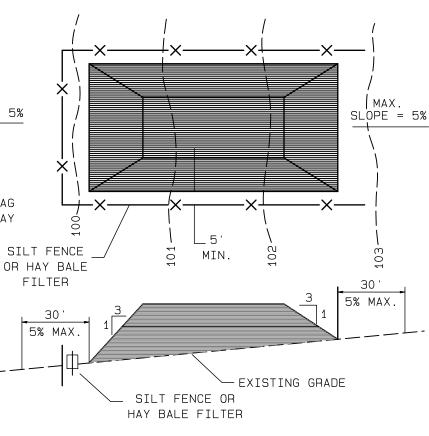
- 1. PLACED STABILIZED CONSTRUCTION ENTRANCE AT LOCATION(S) AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 2. STONE SIZE SHALL BE 1 1/2" CLEAN CRUSHED STONE.

ONLY (TYP.)

- 3. THE THICKNESS OF THE STAB. CONST. ENT. SHALL NOT BE LESS THAN 6" THICK.
- 4. THE WIDTH AT THE EXISTING PAVING SHALL NOT BE LESS THAN THE FULL WIDTH OF POINT OF INGRESS AND EGRESS.
- 5. THE STAB. CONST. ENT. SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE R.O.W./PAVEMENT THIS REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP
- 6. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- 7. WHERE TRACKING OF SOIL ONTO ROADWAYS IS A CONTINUAL OCCURRENCE. ALL CONTRACTORS, BOTH SITE AND DWELLING CONTRACTORS, SHALL BE REQUIRED TO BROOMSWEEP THE ROADWAY AT TWO-HOUR INTERVALS MINIMUM AND PRIOR TO LEAVING THE CONSTRUCTION SITE AT THE DAY END.

## STABILIZED CONSTRUCTION ACCESS DETAIL

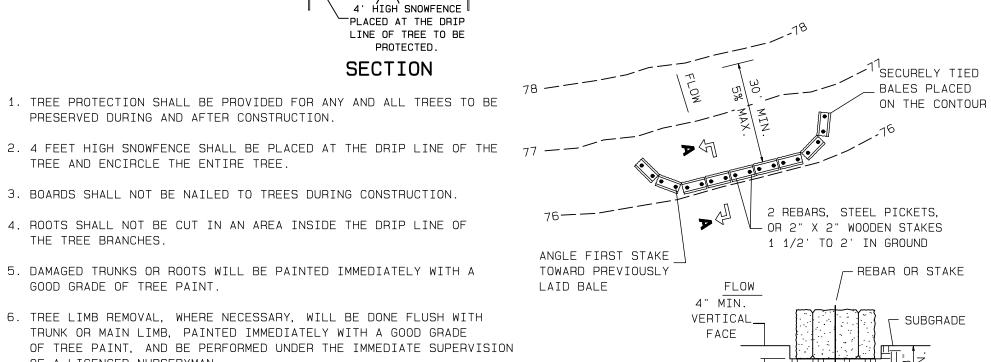
N.T.S.



- PLACE STOCKPILES AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 2. ALL SIDE SLOPES SHALL BE 3 TO 1 OR FLATTER.
- 3. STOCKPILE SHALL RECIEVE A VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQ.
- 4. SILT FENCE OR HAY BALE FILTER SHALL BE INSTALLED AS DETAILED HEREON.

## TOPSOIL STOCKPILE DETAIL

NOT TO SCALE



OF A LICENCED NURSERYMAN. TREE PROTECTION DETAIL SECTION "A-A

FIGURE 14-4

2

EXISTING TREE

TO BE

PROTECTED

4' HIGH SNOWFENCE

PLACED AT THE DRIP

LINE OF TREE TO BE

PROTECTED.

[OR 4' MIN.

4' HIGH SNOWFENCE

PLACED AT THE DRIP

LINE OF TREE TO BE

STEEL SNOWFENCE

1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE

3. BOARDS SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.

4. ROOTS SHALL NOT BE CUT IN AN AREA INSIDE THE DRIP LINE OF

5. DAMAGED TRUNKS OR ROOTS WILL BE PAINTED IMMEDIATELY WITH A

6. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH WITH

TRUNK OR MAIN LIMB, PAINTED IMMEDIATELY WITH A GOOD GRADE

OF TREE PAINT, AND BE PERFORMED UNDER THE IMMEDIATE SUPERVISION

PRESERVED DURING AND AFTER CONSTRUCTION

TREE AND ENCIRCLE THE ENTIRE TREE.

POSTS 2' 0.C

EXISTING\_

GROUND

PLAN VIEW

THE TREE BRANCHES.

GOOD GRADE OF TREE PAINT.

PROTECTED.

\_DRIP LINE

OR 4' MIN.

## BALE SEDIMENT BARRIERS PLACEMENT AND ANCHORING DETAIL

FIGURE 23-1

#### MERCER COUNTY SCD SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY NOTICE MAY BE MAILED, FAXED OR EMAILED TO:
- MCSCD, 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690
- PHONE: (609) 586-9603 FAX: (609) 586-1117

EMAIL: Pauls1mercer@aol.com

- 2. IF APPLICABLE TO THIS PROJECT, THE OWER SHOULD BE AWARE OF HIS OR HER OBLIGATION TO FILE FOR A NJPDES CONSTRUCTION ACTIVITY STORMWATER 5G3 PERMIT (NJG0088323) VIA THE NJDEP ONLINE PERMITTING SYSTEM (www.nj.gov/dep/online) AND TO MAINTAIN THE ASSOCIATED BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN SELF-INSPECTION LOGBOOK ONSITE AT ALL TIMES. THIS PERMIT MUST BE FILED PRIOR TO THE START OF SOIL DISTURBANCE. THE ONLINE APPLICATION PROCESS WILL REQUIRE ENTRY OF AN SCD CERTIFICATION CODE, WHICH IS PROVIDED BY THE SOIL CONSERVATION DISTRICT UPON CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN
- 3. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP 4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INCLUDING AN INCREASE IN THE LIMIT OF DISTRUBANCE, WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL
- CURRENT STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS. 5. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES. 6. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AS
- OUTLINED WITHIN THE SEQUENCE OF CONSTRUCTION ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISED. 7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NJ. IF LANGUAGE CONTAINED WITHIN ANY OTHER PERMIT FOR THIS PROJECT IS MORE RESTRICTIVE THAN
- (BUT NOT CONTRADICTORY TO) WHAT IS CONTAINED WITHIN THESE NOTES OR ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, THEN THE MORE RESTRICTIVE PERMIT REQUIREMENTS SHALL BE FOLLOWED. 8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A 1 1/2" TO 2 1/2" CLEAN STONE TRACKING PAD AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE WHETHER IDENTIFIED ON THE CERTIFIED PLAN OR NOT. THE WIDTH SHALL SPAN THE FULL WIDTH OF EGRESS, AND LENGTH SHALL BE 50 FT. OR MORE, DEPENDING ON SITE CONDITIONS AND AS REQUIRED BY THE STANDARD.

THIS SHALL INCLUDE INDIVIDUAL LOT ACCESS POINTS WITHIN RESIDENTIAL

SUBDIVISIONS. IF EGRESS IS TO A COUNTY ROAD. THEN A 20 FT LONG PAVED

THE STONE ACCESS PAD. 9. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING, PROVIDED THAT ALL OTHER REQUIREMENTS BELATED TO DETENTION BASINS.

TRANSITION SHALL BE PROVIDED BETWEEN THE EDGE OF PAVEMENT AND

- SWALES AND SEQUENCE OF CONSTRUCTION HAVE BEEN MET 10. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION ACTIVITY WILL IMMEDIATELY RECEIVE TEMPORARY STABILIZATION. IF THE SEASON PREVENTS ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER, OR IF THE AREA IS NOT TOPSOILED, THEN THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE. ACCORDING TO STATE STANDARDS. SLOPED AREAS IN EXCESS OF 3H: 1V SHALL BE PROVIDED WITH EROSION CONTROL BLANKETS. CRITICAL AREAS SUBJECT TO EROSION (i.e. STEEP SLOPES, ROADWAY EMBANKMENTS, ENVIRONMENTALLY SENSITIVE AREAS) WILL RECEIVE TEMPORARY STABILIZATION IMMEDIATELY AFTER INITIAL DISTURBANCE OR ROUGH GRADING
- 11. ANY STEEP SLOPES (i.e. SLOPES GREATER THAN 3:1) RECEIVING PIPLETNE OR UTILITY INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS.
- 12. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING AND TOPSOILING. ALL AGRONOMIC REQUIREMENTS CONTAINED WITHIN THE STANDARDS ADN ON THE CERTIFIED PLAN SHALL BE EMPLOYED. MULCH WITH BINDER, IN ACCORDANCE WITH THE STANDARDS, SHALL BE USED ON ALL SEEDED AREAS. SAVE ALL TAGS AND/OR BAGS USED FOR SEED. LIME AND FERTILIZER, AND PROVIDE THEM TO THE DISTRICT INSPECTOR TO VERIFY THAT MIXTURES AND RATES MEET THE STANDARDS.
- 13. AT THE TIME WHEN THE SITE 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 TAHT 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, THEN NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED
- 14. DURING THE COURSE OF CONSTRUCTION, SOIL COMPACTION MAY OCCUR WITHIN HAUL BOUTES, STAGING AREAS AND OTHER PROJECT AREAS. IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING. COMPACTED SURFACES SHALL BE SCARIFIED 6" TO 12" IMMEDIATELY PRIOR TO TOPSOIL APPLICATION. THIS WILL HELP ENSURE A GOOD BOND BETWEEN THE TOPSOIL AND SUBSOIL. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.) 15. PRIOR TO SEEDING. TOPSOIL SHALL BE WORKED TO PREPARE A PROPER SEEDBED

STONES, ALONG WITH OTHER REQUIREMENTS OF THE STANDARD FOR PERMANENT

- VEGETATIVE COVER FOR SOIL STABILIZATION 16. 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 BURTED WITH LIMESTONE IN ACCORDANCE WITH THE STANDARD AND BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A pH OF 5 OR MORE PRIOR TO TOPSOIL APPLICATION AND SEEDBED PREPARATION.
- IF THE AREA IS TO RECEIVE TREE OR SHRUB PLANTINGS. OR IS LOCATED ON A SLOPE. THEN THE AREA SHALL BE COVERED WITH A MINIMUM OF 24" OF SOIL HAVING A DH OF 5 OR MORE. ' MULCHING TO THE STANDARDS IS REQUIRED FOR ORTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROC'S ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE OPTIMUM SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL BOC. OR THE COMPLETION OF WORK IN A GIVEN AREA.
- 18. HYDROSEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER. LIME ETC.. ALONG WITH MINIMAL AMOUTS OF MULCH TO PROMOT CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, HYDROMULCH SHOULD BE APPLIED AT A MINIMUM BATE OF 1500 LBS PER ACRE IN SECOND STEP. THE USE OF A HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARD. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDRO-MULCH ON SLOPED
- AREAS IS DISCOURAGED 19. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED TRACKED. OR SPILLED ONTO PAVED SURFACES SHALL BE IMMEDIATELY REMOVED 20. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION. AND FOR EMPLOYING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT 21. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS
- PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL 22. ALL DETENTION/RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUSIVE OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPERVIOUS SURFACES PERMANENT STABILIZATION INCLUDES. BUT MAY NOT BE LIMITED TO: TOPSOIL SEED. STRAW MULCH AND BINDERS OR EROSION CONTROL BLANKETS ON ALL SEEDING. ALL AGRONOMIC REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INSTALLATION OF THE OUTFLOW CONTROL STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTLET PROTECTION, EMERGENCY SPILLWAYS, AND LAP RING PROTECTION
- 23. THE RIDING SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4" CLEAN STONE OR BASE PAVEMENT UNTIL SUCH TIME AS FINAL PAVEMENT HAS BEEN INSTALLED. TEMPORARY SOIL RIDING SURFACES ARE PROHIBITED. 24. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATION, ETC.) MUST BE DONE THROUGH AN INLET OR OUTLET FILTER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING OR AS DEPICTED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. DISCHARGE LOCATIONS FOR THE DEWATERING
- 25. ALL SWALES OR CHANNELS THAT WILL RECEIVE BUNGEF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT IF THE SEASON PROHIBITS THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MAY BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.

OPERTATION MUST CONTAIN PERENNIAL VEGETATION OR SIMILAR STABLE

26. NJSA 4: 24-39 et. seq. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE. ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVISUAL LOTS IN SUBDIVISION MUST BE COMPLETE BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE, WHICH MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY,

508 HUGHES DRIVE

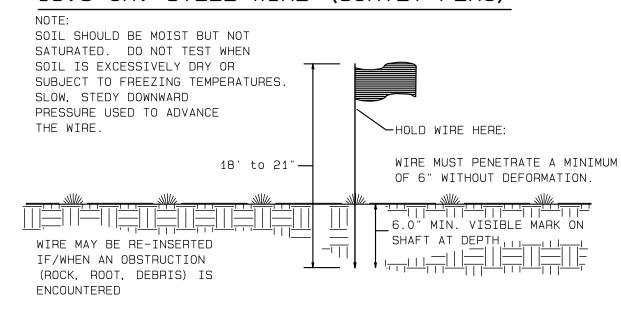
HAMILTON SQUARE, NEW JERSEY 08690

PHONE: (609) 586-9603

## HANDHELD SOIL PENETROMETER TEST

GAGE READING 300 PSI OR LESS SOIL SHOULD BE MOIST BUT NOT SATURATED. AT 6" DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEDY DOWNWARD PRESSURE USED TO ADVANCE THE PROBE. PROBE MUST PENETRATE AT LEAST 6" WITH LESS THAN 300 PSI READING ON THE GAUGE. 6.0" MIN. VISIBLE MARK ON SHAFT AT DEPTH. PENETROMETER MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED SOIL TYPE

## PROBING WIRE TEST 15.5 GA. STEEL WIRE (SURVEY FLAG)



## SOIL DE-COMPACTION AND TESTING REQUIREMENTS

#### SOIL COMPACTION TESTING REQUIREMENTS

- 1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENCHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- 2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
- 3. COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALLBE USED TO MARK LOCATIONS OF TESTS. AND ATTACHED TO THE COMPACTION MITIGATION VERIFICATION FORM. AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
- 4. IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWER SHALL HVE THE OPTION TO PERFORM FITHER (1) COMPACTION MITIGATION OVER THE ENTIRE AFRA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS) OR (2) PERFORM ADDITIONAL MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

#### SOIL COMPACTION TESTING REQUIREMENTS:

- A. PROBING WIRE TEST (SEE DETAIL) B. HAND-HELD PENETROMETER TEST (SEE DETAIL)
- C. TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED) D. NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT, MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

#### PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION

TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.) IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

#### STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

- 1. SITE PREPARATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE
- SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING. C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOI D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURE, CHANNEL STABILIZATION MEASURES. SEDIMENT BASIN, AND WATERWAYS.
- SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING. 2. <u>SEEDBED PREPARATION</u> A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TESTRECOMMENDATIONS SUCH AS THOSE OFFERED BY BUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (http://njaes.rutgers.edu/county/). FERTILIZEF SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 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 ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS OF SEEDING. B. WORK LIME 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 DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR CONTINUE
- TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. NOTE: REMOVE FROM THE SURFACE ALL STONES 2" OR LARGER IN ANY DIMENSION. REMOVE ALL CONSTRUCTION MATERIAL AND OTHER DEBRIS.
- C HIGH ACID PRODUCING SOIL SOILS HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.
- A. SELECT A MIXTURE FROM TABLE 4-2 BELOW OR USE MIXTURE RECOMMENDED BY RUTGERS COOPERATIVE EXTENSION OR NATURAL RESOURCES CONSERVATION SERVICE WHICH IS APPROVED BY THE SOIL CONSERVATION DISTRICT. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED WITH
- A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS RETESTED 1. SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MFANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED
- 2. WARM SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES. GENERALLY 85° F AND ABOVE. SEE TABLE 4-2 PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES CHART MIXTURES 1 TO 7 PLANTING RATES FOR WARM SEASON GRASSES SHALL BE THE

MIXTURE FOR THE SEEDED AREA AND MOWED ONCE

- AMOUNT OF PURE LIVE SEED (PLS) AS DETERMINED BY GERMINATION 3. COOL SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 85 ° F. MANY GRASSES BECOME ACTIVE AT 65° F. SEE TABLE 4-2 PERMANENT VEGETATIVE MIXTURES PLANTING RATES AND PLANTING DATES MIXTURES 8 TO 20. ADJUSTMENT OF PLANTING RATES TO COMPENSATE FOR THE AMOUNT
- OF PURE LIVE SEED IS NOT REQUIRED FOR COOL SEASON GRASSES B CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDING. SEED SHALL BE INCORPORATED INTO THE SOI WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 TNCH. BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MA BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL.
- C. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT. RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.
- D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY B APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION IV MULCHING BELOW) HYDROSEEDING IS NOT A PERFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED IN THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH

**REVISIONS** 

- MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABILISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS
- A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET). EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYIN OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH S NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.
- APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALL SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION
- ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPE AND COSTS. 1. <u>PEG AND TWINE</u> - DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL
- DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
- 2. <u>MULCH NETTING</u>S STAPLE PAPER. JUTE, COTTON OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 3. <u>CRIMPER ( MUL</u>CH ANCHORING TOOL ) A TRACTOR DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC-HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER JLCH 3 TO 4 INCHES INTO SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TON PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED
- 4. <u>LIQUID MULCH-</u>BINDERS MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH. A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN

## B. USE ONE OF THE FOLLOWING:

- 1. ORGANIC AND VEGETABLE BASED BINDERS NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TUREGRASS USE AT RATES AND WEATHER CONDITIONS AS RECCOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE. SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE.
- 2. SYNTHETIC BINDERS A HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED, FOLLOWING APPLICATION OF MULCH, DRYING AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. BINDER SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER
- AND REMAIN TACKY UNTIL GERMINATION OF GRASS. ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF THE OTHER PRODUCTS.
- B. WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD. PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL C PELLETIZED MULCH - COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PROJUCT, 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 APPLLIED 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.
- APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE

5. IRRIGATION (WHERE FEASIBLE) IF SOIL MOISTURE IS DEFICIENT SUPPLY NEW SEEDING WITH ADEQUATE WATER ( A MINIMUM OF 1/4 INCH TWICE A DAY UNTIL VEGETATION IS WELL ESTABILISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.

6. TOPDRESSING SINCE SOIL ORGANIC MATTER CONTENT AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED IN SECTION 2A - SEEDBED PREPARATION IN THIS STANDARD, NO FOLLOW UP OF TOPDRESSING IS MANDATORY. AN EXCEPTION MAY BE MADE WHERE GROSS NITROGEN DEFICIENCY EXISTS TO THE EXTENT THAT TURF FAILURE MAY DEVELOP. IN THAT INSTANCE TOPDRESS WITH 10-10-10 OR EQUILVALENT AT 300 LBS PER ACRE OR 7 LBS PER 1,000 SQUARE FEET. EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS AMELIORATED

7. ESTABLISHING PERMANENT VEGETATIVE STABILIZATION THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED APPLYING NUTRIENTS. MULCH AND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-2 ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN APPLICATION RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A REPORT OF COMPLIANCE FROM THE DISTRICT. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED

SPECIES) AND MOWED ONCE. THIS DESIGNATION OF MOWED ONCE DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS

BE NEGLECTED OR OTHERWISE MISMANAGED.

## PERMANENT SEEDING MIXTURES:

70% TURF TYPE TALL FESCUE 20% PERENNIAL RYE GRASS

10% KENTUCKY BLUE GRASS

APPLY AT A RATE OF 200# PER ACRE

SHEET No.

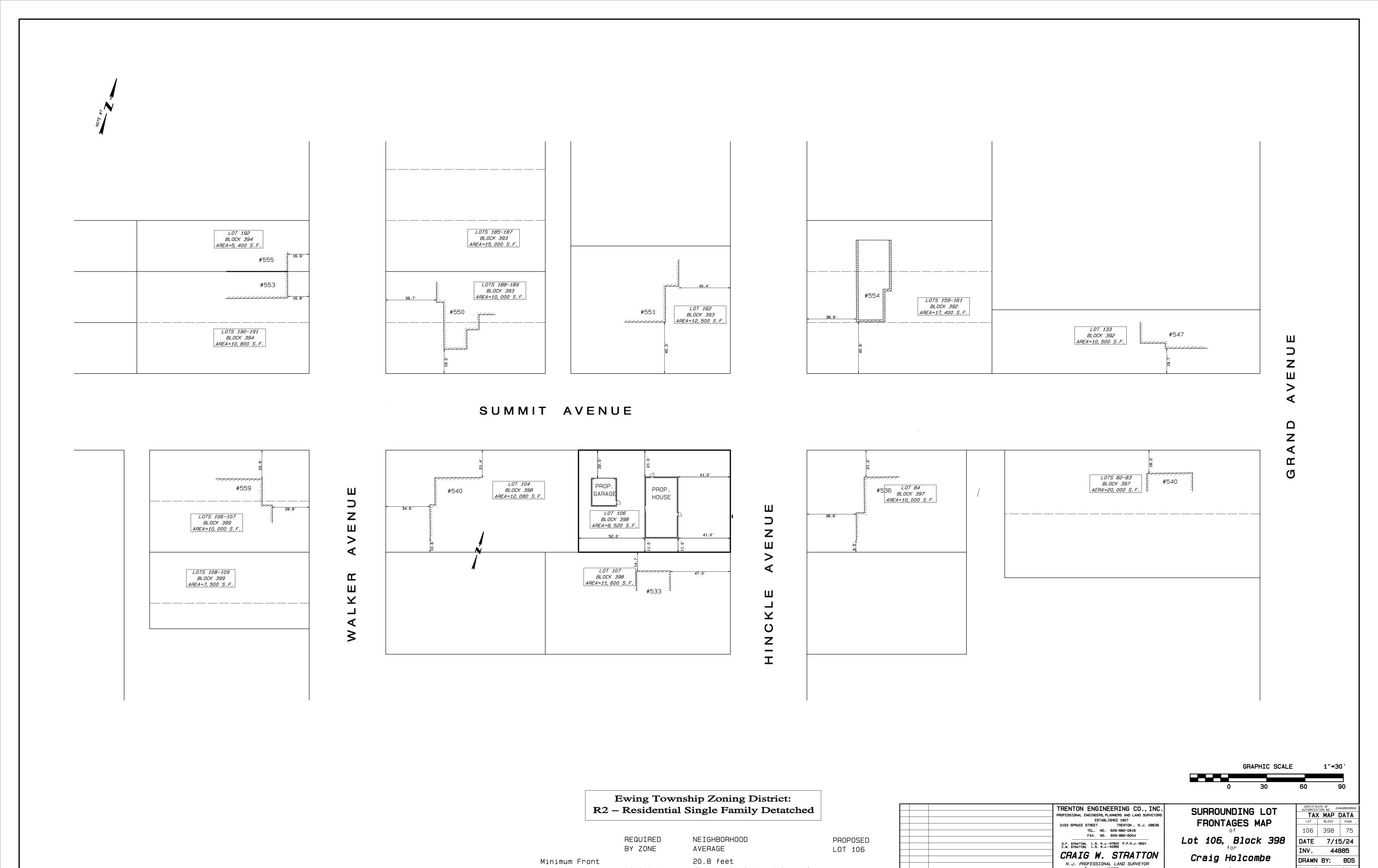
TRENTON ENGINEERING CO., INC PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYO ESTABLISHED 1907 2193 SPRUCE STREET TRENTON , N.J. 08638 TEL. NO. 609-882-0616 FAX. NO. 609-882-6004 D.F. STRATTON, L.S. N.J.-27523 P.P.N.J.-5021 C.W. STRATTON, L.S. N.J.-43355 JOSEPH MESTER MERCER COUNTY SOIL CONSERVATION DISTRICT N.J.PROFESSIONAL ENGINEER AND PROFESSIONAL LAND SURVEYOR No. 19462

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS Lot 106, Block 398

Craig Holcombe

TOWNSHIP OF EWING MERCER CO., NEW JERSEY

TAX MAP DATA LOT BLOCK 106 | 398 | **DATE** 7/15/2 44885 DRAWN BY: JTH **SCALE** 1"=20



(Southerly Side of Summit)

21.0 feet

9/16/24 ADD LOT AREAS

REVISIONS

o. Date Description

40.0 feet

Yard Setback

MERCER CO., NEW JERSEY FILE 109-4

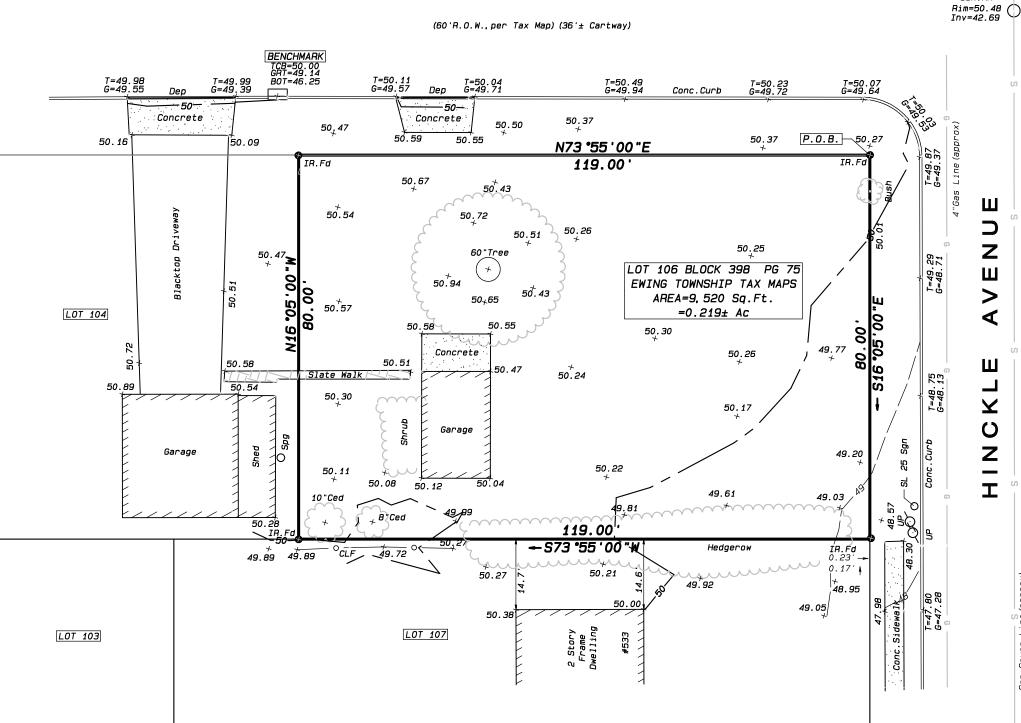
Draft-Y:\HINCKLE AVE LOT 106\HINKLE AVE LOT 106 SURROUNDING MAP.pro

TOWNSHIP OF EWING

SCALE 1"=30'

# G=49.95

### SUMMIT AVENUE



#### SURVEY NOTES:

- 1. THERE MAY BE VARIOUS LEDGES, PROTRUSIONS, OVERHANGS, ETC. THAT ARE NOT SHOWN OR MEASURED ALONG THESE BUILDINGS. FOR USE OTHER THAN A PICTURE FOOTPRINT ADDITIONAL DETAIL AND MEASUREMENTS MAY BE REQUIRED TO SHOW SPECIFIC CONDITIONS ALONG THAT PORTION OF THE BUILDING IN QUESTION.
- 2. PROPERTY CORNERS FOUND, OR SET, AS SHOWN.
- 3. THIS PLAN PREPARED FOR A FEE FOR THE PERSONS AND PURPOSES INDICATED HEREON. ANY OTHER USE OF THIS PLAN (OR COPIES, OR ALTERATIONS OF IT NOT IMPRESSED WITH THE SEAL OF THE LICENSED INDIVIDUAL WHO PREPARED THIS PLAN) IS NOT THE RESPONSIBILITY OF THE UNDERSIGNED.
- 4. UTILITY STATEMENT: THE UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN HEREON HAVE BEEN LOCATED FROM PHYSICAL MARKINGS ON THE GROUND BY VARIOUS UTILITY COMPANIES, FIELD SURVEY INFORMATION, ATLAS MAPS AS MAY BE AVAILABLE FROM MUNICIPALITIES OR UTILITY COMPANIES, AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES OR STRUCTURES SHOWN COMPRISE ALL SUCH UNDERGROUND FEATURES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND FEATURES WHICH ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE UNDERGROUND UTILITY MARKOUT NUMBER (800-272-1000) SHALL BE CALLED.
- 5. SUBJECT TO ALL EASEMENTS, RESTRICITONS AND LEASES OF RECORD, RECORDED OR UNRECORDED, AND ANY OTHER PERTINENT FACTS WHICH A TITLE SEARCH MIGHT DISCLOSE. TITLE SEARCH NOT PROVIDED.
- 6. INVESTIGATION AND DETERMINATION OF ENVIRONMENTAL, FLOODPLAIN AND SUBSURFACE CONDITIONS WERE NOT PART OF THIS PROJECT OR CONTRACT.

#### LEGEND:

T	=	Top Curb	SL =	Speed Limit
G	=	Gutter	UP =	Utility Pole
Dep	=	Depressed Curb	Spg =	Water Spigot
TCB	=	Top Catch Basin	CLF =	Chain Link Fence
GRT	=	Grate	P.O.B. =	Point of Beginning
BOT	=	Bottom	R.O.W. =	Right of Way
IR.Fd	=	Iron Rod Found	——S—— =	Sanitary Sewer Lin
San	=	Sanitary	——G—— =	Gas Line

# GRAPHIC SCALE

TRENTON ENGINEERING CO., INC. ESTABLISHED 1907 2193 SPRUCE STREET TRENTON , N.J. 08638 TEL. NO. 609-882-0616 FAX. NO. 609-882-6004 D.F. STRATTON, L.S. N.J.-27523 P.P.N.J.-5021 C.W. STRATTON, L.S. N.J.-43355 CRAIG W. STRATTON N.J. PROFESSIONAL LAND SURVEYOR Description

REVISIONS

DATE 4/24/24

PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS PLAN OF TOPOGRAPHIC SURVEY

REFERENCE PLANS:

3. EWING TOWNSHP TAX MAPS PAST AND PRESENT

DATED APRIL 12, 1966.

1. "PLAN OF SURVEY FOR JOHN C. BELLANTIEN & EILEEN BELLANTINE IN EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY" PREPARED BY TRENTON ENGINEERING COMPANY, INC

2. "PLAN OF LANDS IN EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY (WALKER AVE, SUMMIT AVE, HINCKLE AVE) PREPARED BY TRENTON ENGINEERING COMPANY, INC.

Lot 106, Block 398

Craig Holcombe

TOWNSHIP OF EWING MERCER CO., NEW JERSEY

CERTIFICATE OF 24GA2805260 TAX MAP DATA BLOCK 106 | 398 | 75 DATE 4/24/24 INV. 44885 DRAWN BY: BDS SCALE 1"=20' FB. PG. FILE 109-4

1"=20'