

GENERAL NOTES
SOIL EROSION AND SEDIMENT CONTROL PLANS IN ANDOVER TOWNSHIP

1. ALL SOIL EROSION AND SEDIMENT CONTROL (SESC) PRACTICES SHALL BE PERFORMED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST EDITION, AND SHALL EITHER BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE OR INSTALLED IN THEIR PROPER SEQUENCE. ALL SESC FEATURES MUST BE MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
2. PROPOSED AREA OF DISTURBANCE = _____ ACRES.
3. AFTER CERTIFICATION HAS BEEN GRANTED, ALL PLAN REVISIONS MUST BE FORWARDED TO THE TOWNSHIP ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THEIR IMPLEMENTATION.
4. THE APPLICANT AGREES TO ALLOW TOWNSHIP AGENTS TO GO UPON THE PROJECT PROPERTY FOR INSPECTION.
5. PRIOR TO ANY DISTURBANCE, THE APPLICANT SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE TOWNSHIP ENGINEER, TOWNSHIP CONSTRUCTION OFFICIAL, AND CONTRACTOR.
6. THE TOWNSHIP CONSTRUCTION OFFICE MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
7. THE APPLICANT IS REQUIRED TO HAVE A COPY OF THE CERTIFIED PLAN AT THE CONSTRUCTION SITE.
8. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT ALL POINTS OF CONSTRUCTION ACCESS WHERE SEDIMENT MAY BE TRACKED OFF THE SITE. ALL OTHER ACCESS POINTS MUST BE BLOCKED TO PREVENT CONSTRUCTION TRAFFIC THROUGH THOSE LOCATIONS. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE CLEANED AND/OR REPAIRED AS NECESSARY.
9. ALL TREES TO REMAIN AFTER CONSTRUCTION SHALL BE PROTECTED WITH TREE PROTECTION DEVICES. TREE AND LIMB REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT SESC STANDARDS.
10. ALL VEGETATED AREAS NOT NEEDED FOR IMMEDIATE CONSTRUCTION ACTIVITIES SHALL REMAIN UNDISTURBED FOR AS LONG AS POSSIBLE.
11. ALL TOPSOIL STRIPPED AND STOCKPILED FOR USE IN FINAL GRADING SHALL RECEIVE TEMPORARY SEEDING. ALL STOCKPILE BASES SHALL BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FILTER FENCE. STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY (50) FEET OF A FLOOD PLAIN, STEEP SLOPE, DRAINAGE FACILITY, OR ROADWAY.
12. 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. IF THE SEASON PROHIBITS TEMPORARY SEEDING, TEMPORARY STABILIZATION WITH MULCH ONLY SHALL BE APPLIED.
13. ALL CRITICAL AREAS SUBJECT TO EROSION SHALL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR EQUAL, AT A TWO (2) TON/ACRE RATE, ACCORDING TO SESC STANDARDS.
14. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SESC FACILITIES. ALL SESC STRUCTURES SHALL BE INSPECTED FOLLOWING RAINFALL EVENTS. ANY NECESSARY MAINTENANCE SHALL BE COMPLETED IMMEDIATELY TO RESTORE THE STRUCTURES TO THEIR ORIGINAL OPERATING CONDITION.
15. ALL SOIL MIGRATING OR DROPPED BEYOND THE LIMIT OF DISTURBANCE SHALL BE REMOVED IMMEDIATELY. ALL PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
16. DUST SHALL BE CONTROLLED WITH WATER, CALCIUM CHLORIDE, OR OTHER METHOD APPROVED BY THE TOWNSHIP.
17. THE TOWNSHIP MAY REQUEST ADDITIONAL PROTECTIVE MEASURES TO ELIMINATE EROSION PROBLEMS DURING CONSTRUCTION.
18. DURING AND AFTER CONSTRUCTION, THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND

UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATIVE COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE TOWNSHIP. CONVEYANCE OF THIS PROJECT OR PORTION THEREOF PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.

19. ALL SOIL REMOVED FROM THE PROJECT SHALL BE STABILIZED AT THE SITE OF PLACEMENT.
20. FILL MATERIAL SHALL NOT BE PLACED WITHIN SIX (6) FEET OF A TREE THAT IS SCHEDULED TO REMAIN. SUCH TREES SHALL BE PROTECTED BY TREE WELLS. FILL MATERIAL IS TO BE FREE OF BRUSH, RUBBISH, TIMBER, LOGS, VEGETATIVE MATTER, AND STUMPS IN AMOUNTS THAT WILL BE DETRIMENTAL TO CONSTRUCTING STABLE FILLS. TIMBER, LOGS, BRUSH, RUBBISH, ROCKS, STUMPS, AND VEGETATIVE MATTER WHICH WILL INTERFERE WITH THE GRADING OPERATION OR AFFECT THE PLANNED STABILITY OF FILL AREAS SHALL BE REMOVED AND PROPERLY DISPOSED OF. ALL FILLS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION, OR EXCESSIVE SATURATION.
21. ALL DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY OR PERMANENT SEEDING. EXPOSED AREAS SHALL BE TREATED WITH 5 INCHES OF UNSETTLED TOPSOIL PRIOR TO FINAL STABILIZATION. TOPSOIL SHALL BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO CONDITION HARMFUL TO PLANT GROWTH. DISK TOPSOIL, REMOVE STONES, AND ROLL FIRM.
22. ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHALL BE SEEDED AND MULCHED WITHIN TEN (10) DAYS OF FINAL GRADING.
23. PERMANENT SEEDING AND STABILIZATION SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT VEGETATIVE COVER. SPECIFIED RATES AND LOCATIONS SHALL BE AS SHOWN ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
24. THE OWNER/APPLICANT MUST OBTAIN THE TOWNSHIP-ISSUED REPORT OF COMPLIANCE PRIOR TO ANY OCCUPANCY.

TOPSOIL STOCKPILE PROTECTION

1. CONSTRUCT TEMPORARY DIVERSION BERM AND/OR SEDIMENT FILTER FENCE AND/OR HAY BALE BARRIER AROUND STOCKPILED AREA AS REQUIRED.
2. APPLY LIMESTONE AT A RATE OF 90 LBS/1,000 SF. **(LIMESTONE RATE SHALL BE ADJUSTED AS NEEDED BASED ON SOIL TESTING AND SOIL TYPE.)**
3. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1,000 SF.
4. APPLY PERRENIAL RYEGRASS AT A RATE OF 1 LB/1,000 SF.
5. MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90 LBS/1,000 SF.

TEMPORARY STABILIZATION SPECIFICATIONS

1. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS/1,000 SF. **(LIMESTONE RATE SHALL BE ADJUSTED AS NEEDED BASED ON SOIL TESTING AND SOIL TYPE.)**
2. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1,000 SF AND WORK INTO 4" DEEP.
3. APPLY SEED MIXTURE OR APPROVED EQUAL: PERENNIAL RYEGRASS AT 40 LBS/ACRE.
4. MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90 LBS/1,000 SF AND SECURE BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER.)
5. PLANT SEED BETWEEN MARCH 15 AND JUNE 1 OR BETWEEN AUGUST 1 AND SEPTEMBER 15, IF POSSIBLE.

TEMPORARY STABILIZATION WITH MULCH ONLY

STRAW MULCH SHALL BE SPREAD UNIFORMLY AT THE RATE OF 2 TO 2-1/2 TONS PER ACRE (TOTAL GROUND SURFACE COVERAGE). MULCH SHALL BE ANCHORED IN ACCORDANCE WITH NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. OTHER MULCH MATERIALS MAY BE UTILIZED IF APPROVED BY THE TOWNSHIP. **(THIS PRACTICE IS LIMITED TO PERIODS WHEN VEGETATIVE COVER CANNOT BE ESTABLISHED DUE TO THE SEASON OR OTHER CONDITIONS. MULCH ALONE CAN ONLY BE USED FOR SHORT PERIODS AND WILL REQUIRE MAINTENANCE AND RENEWAL.)**

PERMANENT STABILIZATION SPECIFICATIONS

1. APPLY TOPSOIL TO A DEPTH OF 5 INCHES (UNSETTLED).
2. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS/1,000 SF. **(LIMESTONE RATE SHALL BE ADJUSTED AS NEEDED BASED ON SOIL TESTING AND SOIL TYPE.)**
3. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS/1,000 SF.
4. APPLY SEED MIXTURE OR APPROVED EQUAL:
 - GENERAL LAND AREAS: TALL FESCUE AT 50 LBS/ACRE; REDTOP OR PERENNIAL RYEGRASS AT 5 LBS/ACRE; BIRDS FOOT TREFOIL AT 10 LBS/ACRE; OR WHITE CLOVER AT 5 LBS/ACRE.
 - STEEP SLOPE AREAS (MIX NO. 20): HARD OR SHEEPS FESCUE AT 25 LBS/ACRE; AND NE WILDFLOWER MIXTURE AT 12 LBS/ACRE.
 - WET AREAS (MIX NO. 13): REED CANARY GRASS AT 25 LBS/ACRE; KENTUCKY BLUEGRASS AT 60 LBS/ACRE, AND TURF-TYPE TALL FESCUE AT 40 LBS/ACRE.**(THESE SEED MIXTURES ARE GENERALLY ACCEPTABLE FOR THE STATED APPLICATION. HOWEVER, SITE SPECIFIC SEED MIXES SHALL BE SELECTED FROM THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, TABLE 4-3).**
5. MULCH WITH UNROTTED SALT HAY OR SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. APPLY AT A RATE OF 90 LBS/1,000 SF ACCORDING TO THE NEW JERSEY STANDARDS.
6. ANCHOR MULCH IMMEDIATELY AFTER PLACEMENT WITH EMULSIFIED ASPHALT (SS-1) APPLIED AT A RATE OF 194 GAL/ACRE. OTHER APPROVED METHODS (I.E. PEG AND TWINE, OR MULCH NETTING) MAY BE USED. IF POSSIBLE, PLANT BETWEEN MARCH 1 AND MAY 31, OR BETWEEN AUGUST 1 AND OCTOBER 1.