



THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY.
REFER TO CONSTRUCTION DETAILS (SHEET 10) FOR DETAILS.

SOIL EROSION & SEDIMENT CONTROL NOTES

- 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 JANUARY 2014. THESE MEASURES WILL BE MAINTAINED 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 SEEDING AND HAY MULCHED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- SEEDING DATES: THE FOLLOWING SEEDING DATES ARE BEST RECOMMENDED TO ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HERPES: SPRING - 3/15-5/15 AND FALL - 8/15 - 10/1.
- SEEDING 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) 333-4307 OR SMALL INFORMATION@HERPESDC.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. NO - DOA OR ANY OTHER CONTROLLING AGENCY. CONTACT THE DISTRICT AT 862-333-4307 TO REQUEST A FINAL INSPECTION. GIVING ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE REPORT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR LIQUID-SEED.
- DRIVE ROWWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILITY 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 BASINS.
- ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER ARE TO BE PROVIDED (DESIGN) PRIOR TO RE-SEEDING, SEEDING OR PLANTING. A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED.
- 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 1/4" - 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.

SEQUENCE OF CONSTRUCTION:

- PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION SEDIMENT CONTROL MEASURES INCLUDING SILT FENCING. (3 DAYS)
- PHASE 2: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION. (2 WEEKS)
- PHASE 3: EXCAVATE BUILDING FOUNDATION AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES. (1-2 MONTHS)
- PHASE 4: COMPLETE BUILDING CONSTRUCTION. (8-12 MONTHS)
- PHASE 5: EXCAVATE AND INSTALL ON SITE IMPROVEMENTS INCLUDING CURBING AND RETAINING WALLS. (1 MONTH)
- PHASE 6: FINAL GRADE SITE (1 WEEK)
- PHASE 7: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING. (2-4 WEEKS)
- PHASE 8: REMOVED ALL SOIL EROSION SEDIMENT CONTROL MEASURES INCLUDING INLET PROTECTION AND DOWN SLOPE PERIMETER SILT FENCING UPON COMPLETION. (1 DAY)

STABILIZATION SPECIFICATIONS - TEMPORARY SEEDING AND MULCHING:

- PRIOR TO SEEDING, MIX TOP 6" LAYER OF TOPSOIL WITH FERTILIZER AND LIME.
- LIMESTONE - 2 TONS/ ACRE UNLESS SOIL TESTING INDICATES OTHERWISE.
- FERTILIZER - 500 LBS/ ACRE OR 11 LBS/ 1000 SF OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE.
- SEEDS:

COOL SEASON:
PERENNIAL RYE GRASS 100LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN APRIL 30 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 15.

WARM SEASON:
FLAT FEA AT 25 LBS/AC. OR OTHER APPROVED SEEDS; PLANT BETWEEN MAY 1 AND AUGUST 14.

- MULCH - UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY AT A RATE OF 1.5-2 TONS PER ACRE 70 TO 90 LBS/1,000 SF TO BE APPLIED ACCORDING TO THE STATE STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, LIQUID MULCH BINDER, OR CRAMPER

STABILIZATION SPECIFICATIONS PERMANENT SEEDING:

GENERAL SITE SEEDING MIX:
HARD FESCUE - 75 LBS/ACRE 2.1 LBS/1000 SQ.FT.
PERENNIAL RYEGRASS - 10 LBS/ACRE 0.25 LBS/1000 SQ.FT.
KY. BLUEGRASS - 10 LBS/ACRE 0.25 LBS/1000 SQ.FT.
WHITE CLOVER - 5 LBS/ACRE 0.1 LBS/ 100 SQ.FT.

- PERMANENT STABILIZATION SPECIFICATIONS:

A. MULCHING MULCH MATERIALS TO BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY AT THE RATE OF 1.5 TO 2 TONS PER ACRE OR 70 TO 90 POUNDS PER 1,000 SQ. FT. EXCEPT THAT WHERE A CRAMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER THE RATE OF APPLICATION IS 3 TONS PER ACRE.

B. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF SOIL SURFACE WILL BE COVERED.

C. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:

- (1) PEG AND TWINE
- (2) MULCH NETTING
- (3) LIQUID MULCH-BINDERS
- (4) CRAMPER (MULCH ANCHORING COULTER TOOL)

MULCH STABILIZATION

A. UNROTTED SMALL-GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS PER ACRE IS SPREAD UNIFORMLY AT 80 TO 115 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.

B. ASPHALT EMULSION IS RECOMMENDED AT THE RATE OF 600 TO 1,200 GALLONS PER ACRE. THIS IS SUITABLE FOR A LIMITED PERIOD OF TIME WHERE TRAVEL BY PEOPLE, ANIMALS, OR MACHINES IS NOT A PROBLEM.

C. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAYBE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.

D. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.

E. WOOD CHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED EXCEPT IN AREAS OF FLOWING WATER.

F. GRAVEL, CRUSHED STONE, OR SLAG AT RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. AT DEPTH OF 3 INCHES.

G. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:

- (1) PEG AND TWINE
- (2) MULCH NETTING
- (3) LIQUID MULCH-BINDERS
- (4) CRAMPER (MULCH ANCHORING COULTER TOOL)

EROSION CONTROL LEGEND

- PROP. LIMIT OF DISTURBANCE LINE
- - - - - PROP. SILT FENCE LINE
- PROP. INLET FILTER

LIMIT OF DISTURBANCE = 55,644 SF. (1.28 Ac.)

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

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TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN			
PROJECT: CAPODAGLI PROPERTY COMPANY, LLC / MERIDIA, LLC MERIDIA VILLAGE COMMONS - PROPOSED MIXED-USE BUILDING		JOB No: 1084-16-015 (DATE: 06/19/2017)	
4TH STREET & VALLEY STREET (C.R. 638) TOWNSHIP OF SOUTH ORANGE VILLAGE, ESSEX COUNTY, NJ		DRAWN BY: GH (SCALE: (H) 1"=20' (V) 1")	
DESIGNED BY: RJC		CHECKED BY: JCS	
JOSEPH C. SPARONE		BRETT W. SKAPINETZ	
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 47204 PENNSYLVANIA LICENSE No. 78935 COLORADO LICENSE No. 58448 VIRGINIA LICENSE No. 61627		PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 41495 PENNSYLVANIA LICENSE No. 77727 NEW YORK LICENSE No. 007591 CONNECTICUT LICENSE No. 0027591	
DEC Client Code: 1084		Rev. # 0	