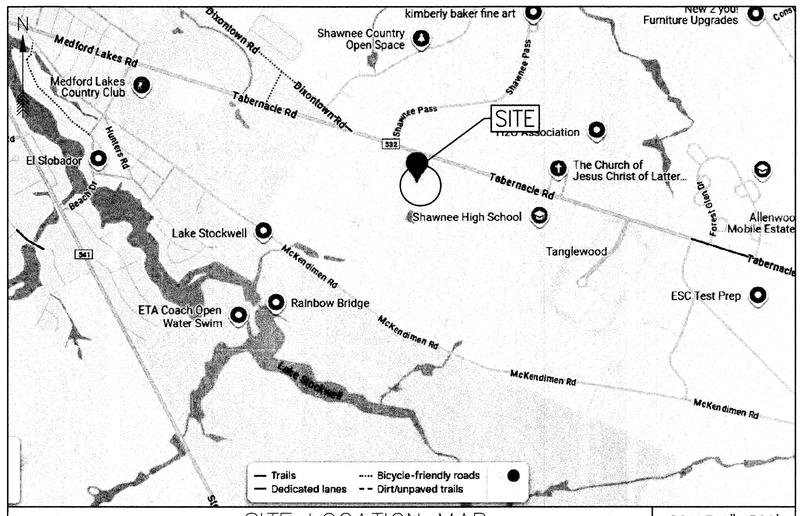
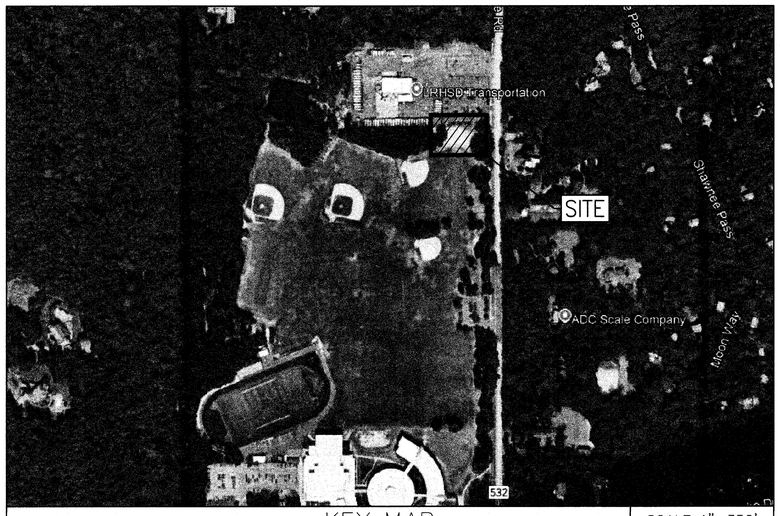
SITE PLAN
SHAWNEE HIGH SCHOOL GROUND BUILDING
BLOCK 4704 LOT 3
MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY



SITE LOCATION MAP | SCALE 1"=500'

MEDFORD TOWNSHIP



KEY MAP | SCALE 1"=350'

SHAWNEE HIGH SCHOOL

LIST OF PLANS

SHEET NO. 1 – TITLE SHEET

SHEET NO. 2 – MAINTENANCE BUILDING - DEMOLITION PLAN

SHEET NO. 3 – MAINTENANCE BUILDING - SITE, GRADING & DRAINAGE PLAN

SHEET NO. 4 – SOIL EROSION & SEDIMENT CONTROL PLAN

SHEET NO. 5 – SOIL EROSION & SEDIMENT CONTROL DETAILS

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
2.	PER BCSCD REVIEW LETTER DATED 10/20/26	10/22/2026	MC	JG
1.	PER SOUTH JERSEY GAS COMMENTS	09/03/2026	MM	JG

MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY
SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
TITLE SHEET

CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
N.J. CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 —— 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
849 WEST BAY AVENUE, BARNEGAT, NEW JERSEY 08005-2154 —— ONE MARKET STREET, SUITE 17, CAMDEN, NEW JERSEY 08102
416 STOKES ROAD, MEDFORD, NEW JERSEY 08055 —— 821 N. MAIN STREET, PLEASANTVILLE, NEW JERSEY 08232
203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210

JOSEPH GRAY, P.E., C.M.E. 10/22/26
NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. GE54013

SCALE	N/A	DRAWN BY	CC
DESIGNED BY	CC	CHECKED BY	JG
DATE	06/19/2026	SHEET	1 OF 6

FILE NO. 115.1H00505.M01 | JOINT BASE | TAX MAPS | SHAWNEEPARKING-BLDGTSY

TAXMAP

REMOVE
AREA OF ASPHALT 6" DEEP

E/BOX PANEL

UP W/GUYWIRE

GATE SENSOR

PHOTO EYE WIRING

BOLLARD (TYP)

GATE ENTRANCE CODE

ASPHALT PARKING LOT

POST

CHAIN LINK FENCE

GATE OPENER

CARD READER

E/BOX

GATE SENSOR

PHOTO EYE WIRING

BOLLARD (TYP)

GATE SENSOR

ASPHALT PARKING LOT

UP#135853

UP#135854

UP#135855
W/GUYWIRE

CHAIN LINK FENCE

CONC CURB

UP W/GUYWIRE

TRANS

ASPHALT PARKING LOT

E INLET
TG 94.72

12" STORMWATER PIPE

(2) 3" SCH 80 PVC
CONDUIT WITH PULL
STRING (36" COVER)

CONDUIT
STUB UPS

LIMIT OF PAVEMENT REMOVAL

REMOVE 110' CONCRETE CURB

CONC CURB

CHAIN LINK FENCE

REMOVE CHAINLINK FENCE
AS REQUIRED

TREE TO BE REMOVED

TOPSOIL, DIRT & VEGETATION TO
BE REMOVED IN THIS AREA AS
REQUIRED

FIBER OPTIC LINE
TO BE RELOCATED

(1) 2" POLY
WATER SERVICE LINE
(36" COVER)

QUAZITE HAND HOLE

WATER STUB UP

UNKNOWN BURIED UTILITY

TREE LINE

6"TREE

36"TREE

24"TREE

16"TREE

18"TREE

8"TREE

13"TREE

12"TREE

5"TREE

WOOD POST

BLOCK WALL

PLANTER

SIGN

CONC WALK

EXIT ONLY

ENTER

CHAIN LINK FENCE

8" PVC

SMH
RIM 94.95

TABERNACLE ROAD
(WIDTH VARIES)

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

UTILITY MARKOUT REQUIRED:
CONTRACTOR IS RESPONSIBLE TO CALL NEW JERSEY ONE CALL (800-272-1000) FOR UTILITY MARK-OUT 3 FULL BUSINESS DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
2.	PER BCSCD REVIEW LETTER DATED 10/20/26	10/22/2026	MC	JG
1.	PER SOUTH JERSEY GAS COMMENTS	09/03/2026	MM	JG

MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

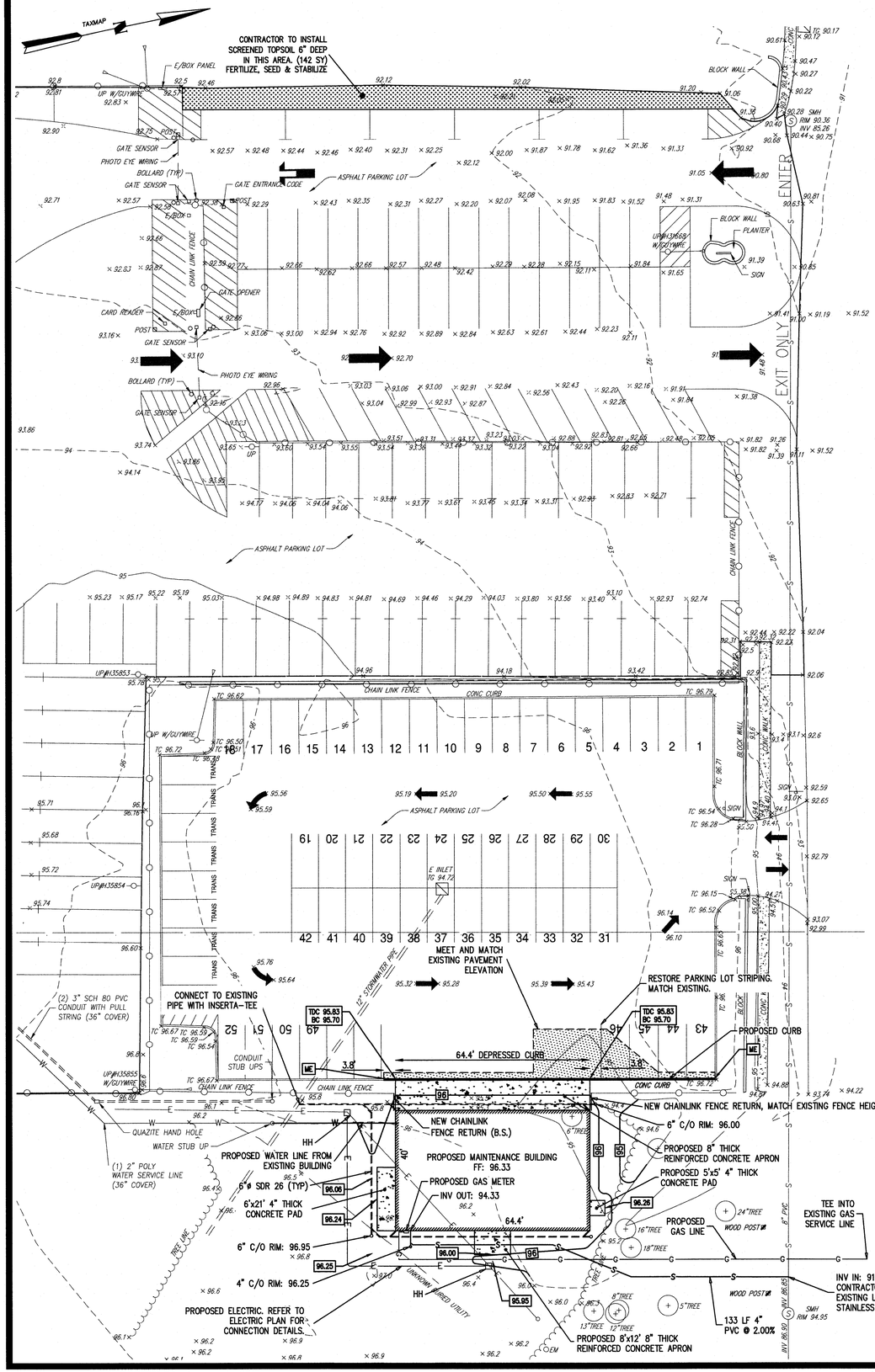
SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
MAINTENANCE BUILDING – DEMOLITION PLAN

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
2141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 —— 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
849 WEST BAY AVENUE, BARNEGAT, NEW JERSEY 08005-2164 —— ONE MARKET STREET, SUITE 17, CAMDEN, NEW JERSEY 08102
418 STOKES ROAD, MEDFORD, NEW JERSEY 08055 —— 221 N. MAIN STREET, PLEASANTVILLE, NEW JERSEY 08232
203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210

JOSEPH GRAY, P.E., C.M.E.
NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. GE54013
10/22/26

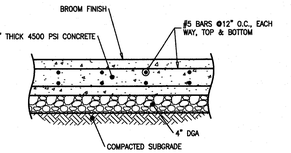
SCALE	1" = 20'
DESIGNED BY	JG
DRAWN BY	CC
CHECKED BY	JG
DATE	06/19/2026
SHEET	2 OF 6

DWG NAME DEMO
PROJECT NAME SHAWNEEPARKINGBLDGDEMO1
FILE NO. 115.LH00505.M01

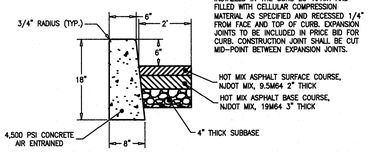


SITE PLAN – CONSTRUCTION NOTES

1) CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UNDERGROUND ELECTRICAL CONDUIT AND IDENTIFY SAME PRIOR TO STARTING ANY EXCAVATION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE TOWNSHIP, COUNTY, AND STATE AND SHALL PAY ALL FEES, INCLUDING THE INSPECTION FEES, AND IN GENERAL SHALL PROCURE ALL REQUIRED PERMITS, LICENSES, INSPECTIONS, PAY ALL CHARGES AND FEES, AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL PROSECUTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE PAVING, TOPSOIL, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP, SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, AND LAW.
2) THE CONTRACTOR WILL PRESERVE AND PROTECT ALL EXISTING VEGETATION, SUCH AS TREES, SHRUBS, AND GRASS ON OR ADJACENT TO THE SITE, WHICH DO NOT REASONABLY INTERFERE WITH THE CONSTRUCTION AS MAY BE DETERMINED BY THE DESIGN ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNAUTHORIZED CUTTING OR DAMAGING OF TREES AND SHRUBS, MATERIALS, OR TRACKING OF GRASS AREAS BY EQUIPMENT. CARE SHALL BE TAKEN BY THE CONTRACTOR IN FELLING TREES AUTHORIZED FOR REMOVAL TO AVOID ANY UNNECESSARY DAMAGE TO VEGETATION THAT IS TO REMAIN IN PLACE. THE CONTRACTOR SHALL BE LIABLE FOR OR MAY BE REQUIRED TO REPLACE OR RESTORE, AT HIS EXPENSE, ALL VEGETATION NOT PROTECTED AND PRESERVED AS REQUIRED HEREIN THAT MAY BE DESTROYED OR DAMAGED.
3) THE CONTRACTOR SHALL ACKNOWLEDGE PRIOR TO CONSTRUCTION THAT HE HAS SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING ON TRANSPORTATION, HANDLING AND STORAGE OF MATERIALS, THE CHARACTER OF THE EQUIPMENT AND FACILITIES NEEDED DURING THE PROSECUTION OF THE WORK AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK OR THE COST THEREOF UNDER THIS CONTRACT. ANY FAILURE OF THE CONTRACTOR TO ACQUAINT HIMSELF WITH THE AVAILABLE INFORMATION CONCERNING THOSE CONDITIONS WILL NOT RELIEVE HIM FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTIES OR COST OF SUCCESSFULLY PERFORMING THE WORK.
4) ALL MATERIALS, METHODS, AND DETAILS OF IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE REGULATIONS OF THE TOWNSHIP OF MEDFORD, BURLINGTON COUNTY, AND/OR THE APPROPRIATE UTILITY COMPANY, WHICHEVER REGULATION TAKES PRECEDENCE.
5) THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ENSURING THAT ALL WORK PERFORMED CONFORMS TO ALL THE APPLICABLE STATUTES, REGULATIONS, ORDINANCES, AND STANDARDS OF GOVERNMENTAL BODIES HAVING JURISDICTION OVER SUCH WORK. THE RESPONSIBILITY SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   A. CONFORMITY WITH THE APPROVED PLANS AS WELL AS STANDARDS AND SPECIFICATIONS OF THE TOWNSHIP.
   B. CORRECTION OF ALL DEFECTS OF THE WORK, NO MATTER WHAT THE CAUSE, UNTIL THE DATE OF THE ACCEPTANCE, AND THEREAFTER, FOR THE PERIOD OF ANY GUARANTEE WHICH RUNS BEYOND THE DATE OF ACCEPTANCE.
   C. SOLUTION OF ANY PROBLEM, UNFORESEEN AT THE TIME OF THE APPROVAL OF THE PLAN, WHICH MAY OR DO IMPAIR THE INTEGRITY OF ANY IMPROVEMENTS, INCLUDING PROBLEMS SUCH AS HIGH GROUND WATER, UNSTABLE SOIL, ETC.
6) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC SAFETY AND SECURING THE SITE AT ALL TIMES.
7) CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PUBLIC RIGHTS OF WAY AND ADJACENT PROPERTIES CLEAN AND SAFE FROM EXCESSIVE DUST AND DEBRIS RESULTING FROM DEMOLITION AND/OR CONSTRUCTION.
8) THE LOCATION OF ANY UTILITIES SHOWN ON THE PLANS ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION PRIOR TO BEGINNING EXCAVATION OR COMMENCING CONSTRUCTION AND SHALL BE FULLY RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE VICINITY OF THE PROJECT. NJ ONE-CALL SERVICE WILL PROVIDE FOR ON-SITE DELINEATION OF EXISTING UTILITIES UPON REQUEST (1-800-272-1000).
9) EXISTING MATERIALS DESIGNATED FOR REMOVAL SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
10) DISTURBED AREAS SHALL BE RESTORED AS SOON AS PRACTICAL AND CONFORM TO THE SOIL CONSERVATION DISTRICT STANDARDS.
11) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE SITE CONDITIONS. THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK PRIOR TO THE RESOLUTION IF ANY DISCREPANCIES.

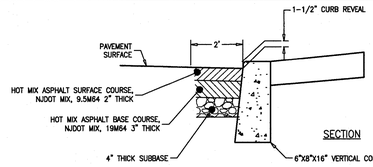


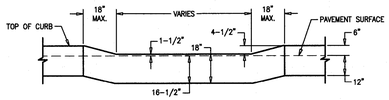
CONCRETE PAD
N.T.S.



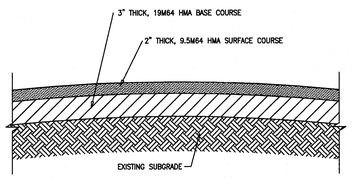
EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20' APART AND FILLED WITH CELLULAR COMPRESSION MATERIAL AS SPECIFIED AND RECESSED 1/4" FROM FACE AND TOP OF CURB. EXPANSION JOINTS TO BE INCLUDED IN PRICE BID FOR CURB. CONSTRUCTION JOINT SHALL BE CUT MID-POINT BETWEEN EXPANSION JOINTS.

6" x 8" x 18" VERTICAL CONCRETE CURB
N.T.S.

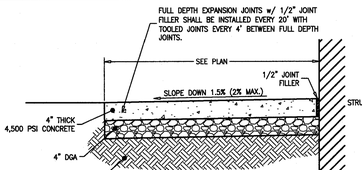




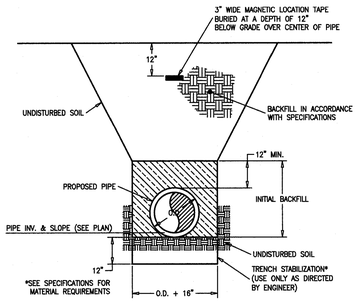
DEPRESSED CURB WITH ASPHALT REPAIR
N.T.S.



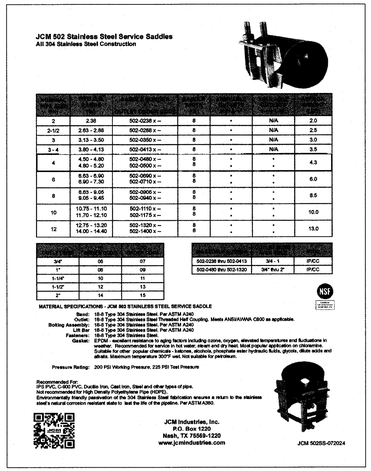
TYPICAL PAVEMENT DETAIL
N.T.S.



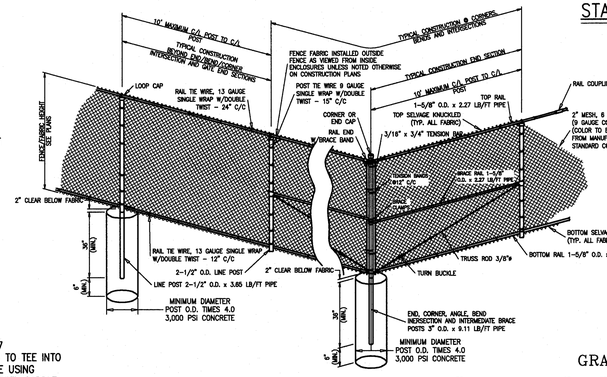
CONCRETE SIDEWALK/PAD AT STRUCTURES
N.T.S.



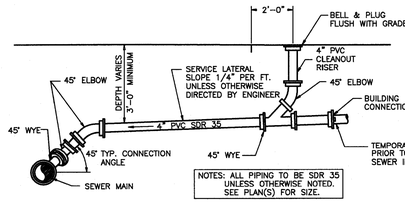
PIPE TRENCH CONSTRUCTION (GRASS AREAS)
N.T.S.



STAINLESS STEEL SADDLE
N.T.S.



CHAIN LINK FENCE
N.T.S.



NOTES: ALL PIPING TO BE SDR 35 UNLESS OTHERWISE NOTED. SEE PLAN(S) FOR SIZE.

SANITARY SERVICE LATERAL
N.T.S.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

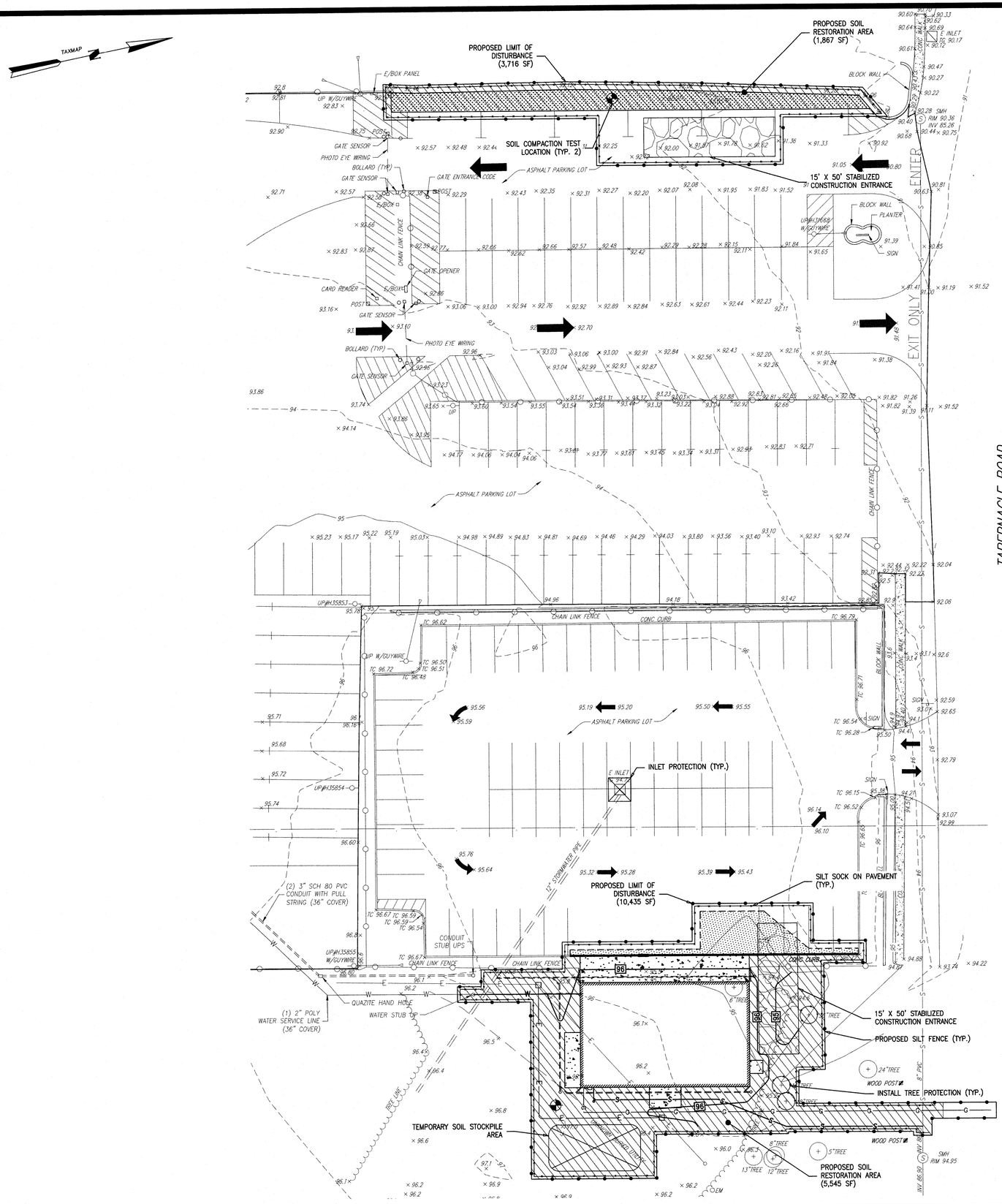
No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
2.	PER BCSCD REVIEW LETTER DATED 10/20/26	10/22/2026	MC	JG
1.	PER SOUTH JERSEY GAS COMMENTS	09/03/2026	MM	JG

MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY
SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
MAINTENANCE BUILDING – SITE, GRADING & DRAINAGE PLAN

CVE ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
849 WEST BAY AVENUE, BARNEGAT, NEW JERSEY 08005-2164 — ONE MARKET STREET, SUITE 1F, CAMDEN, NEW JERSEY 08102
418 STOKES ROAD, MEDFORD, NEW JERSEY 08055 — 621 N. MAIN STREET, PLEASANTVILLE, NEW JERSEY 08232
203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210
JOSEPH GRAY, P.E., C.M.E. 10/22/26
NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. GE54013

SCALE	1" = 20'
DRAWN BY	CC
DESIGNED BY	JG
CHECKED BY	JG
DATE	06/19/2026
SHEET	3 OF 6

FILE NAME: SHAWNEEPARKING-BLDGSITE1
JOB NUMBER: 115.LH00505.M01
TAX MAP: SITE



TOTAL LIMIT OF DISTURBANCE = 14,151 SF (0.325 AC)

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY

SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
SOIL EROSION & SEDIMENT CONTROL PLAN

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
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203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210

JOSEPH GRAY, P.E., C.M.E.
10/22/26
NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. GE54013

SCALE	1" = 20'
DESIGNED BY	JG
DRAWN BY	CC
CHECKED BY	JG
DATE	06/19/2026
SHEET	4 OF 6

FILE NO. 115.LH005505.M01 | JOB NAME SHAWNEEPARKING-BLDGSESC01 | SESC PLAN

SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS

GENERAL REQUIREMENTS:

THE SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS PRIOR TO ANY LAND DISTURBANCE.

A CERTIFIED COPY OF THIS SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.

SOIL EROSION AND SEDIMENT CONTROL PRACTICES IN THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION AND RECERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

NJSA 4: 24-39, et seq., REQUIRES THAT UPON PERMANENT STABILIZATION AND COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL APPLY TO THE SOIL CONSERVATION DISTRICT FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.

NJSA 4: 24-39, et seq., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING THE REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.

COMPLIANCE WITH THE CERTIFIED PLAN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR DURING AND IMMEDIATELY FOLLOWING THE CONSTRUCTION PHASE. UNLESS OTHERWISE SET FORTH BY CONTRACTUAL PROVISIONS, UPON ACCEPTANCE OF THE PROJECT BY THE OWNER THE RESPONSIBILITY SHALL TRANSFER TO THE OWNER.

ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.

GENERAL PROCEDURES:

THE CONTRACTOR SHALL COORDINATE ALL SOIL SEDIMENT RELATED MATTERS WITH THE SOIL CONSERVATION DISTRICT.

ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.

ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND/OR THE AREA IS STABILIZED.

ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROVIDED WHEN AND WHERE DIRECTED BY THE SOIL CONSERVATION DISTRICT. THIS MAY INCLUDE AREAS OF OFFSITE SOIL DISTURBANCE.

THE SITE SHALL BE GRADED AND MAINTAINED AT ALL TIMES SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

ALL SEDIMENTATION FACILITIES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.

EXISTING STORMWATER INLETS SHALL BE PROTECTED WITH SILT SACK FILTERS. ALL NEW INLETS, OUTLETS, DITCHES, ETC., SHALL BE PROTECTED BY APPROVED MEASURES BEFORE THEY BECOME OPERATIONAL.

CONSTRUCTION TRAFFIC SHALL USE THE DESIGNATED INGRESS/EGRESS POINT(S). A STABILIZED CONSTRUCTION ACCESS (CRUSHED STONE TRACKING PAD) SHALL BE INSTALLED AND MAINTAINED WHENEVER CONSTRUCTION TRAFFIC ACCESS PAVED AREAS FROM UNPAVED AREAS. THE ACCESS SHALL BE THE FULL WIDTH OF THE INGRESS/EGRESS AND BE A MINIMUM LENGTH AS SPECIFIED ON THE PLANS. THE STONE MUST BE ANGULAR, 1.5" - 4" IN SIZE, PLACED NOT LESS THAN 12" THICK AND UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC.

ALL DRIVEWAYS AND ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

THE DOWNSLOPE PERIMETER OF ALL DISTURBED AREAS AND STOCKPILES SHALL BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE.

STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY (50) FEET OF A FLOOD PLAIN, WETLAND, SLOPE, ROADWAY OR DRAINAGE FACILITY.

IMMEDIATELY UPON COMPLETION OF STRIPPING AND STOCKPILING OF SOIL, STOCKPILES SHALL BE SEEDED WITH TEMPORARY VEGETATION. REFER TO STABILIZATION WITH TEMPORARY VEGETATIVE COVER.

ALL DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY BE SEEDED WITH TEMPORARY VEGETATION. REFER TO STABILIZATION WITH TEMPORARY VEGETATIVE COVER.

ALL CRITICAL AREAS SUBJECT TO EROSION SUCH AS SLOPES SHALL BE SEEDED WITH TEMPORARY VEGETATION AND THEN MULCHED AT A RATE OF 2 TONS PER ACRE IMMEDIATELY FOLLOWING ROUGH GRADING. REFER TO STABILIZATION WITH TEMPORARY VEGETATIVE COVER.

ALL DISTURBED AREAS SHALL BE SEEDED WITH PERMANENT VEGETATION IMMEDIATELY FOLLOWING FINAL GRADING. REFER TO STABILIZATION WITH PERMANENT VEGETATIVE COVER.

IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF SEED THE STOCKPILE AND/OR DISTURBED AREA SHALL BE PROTECTED WITH MULCH, OR AN APPROVED EQUIVALENT. MULCH SHALL BE SECURED BY AN APPROVED METHOD (LIQUID BINDER, CRIMPING, PEG AND TWINE). REFER TO STABILIZATION WITH MULCH ONLY.

ALL DEWATERING OPERATIONS MUST DISCHARGE INTO AN APPROVED SEDIMENT FILTRATION DEVICE SO PLACED AS NOT TO CAUSE EROSION OF THE DOWNSLOPE AREA. FIELD PLACEMENT AND USE OF STRUCTURES MUST BE APPROVED BY THE SOIL CONSERVATION DISTRICT PRIOR TO COMMENCEMENT OF THE DEWATERING OPERATION.

ALL DEBRIS CREATED AS A RESULT OF CONSTRUCTION IS TO BE STOCKPILED, PROPERLY CONTAINED, AND THEN REMOVED BY THE CONTRACTOR.

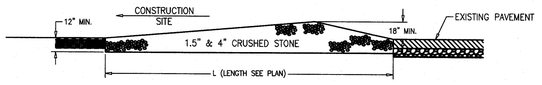
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE SOIL CONSERVATION DISTRICT.

MAXIMUM SIDE SLOPES OF ALL PROPOSED SURFACES SHALL NOT NOT BE CONSTRUCTED STEEPER THAN 4:1.

OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.

THE DISTRICT EROSION CONROL INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO BE INSTALLED.

NJSA 4:24-39 ET SEQ REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE COMPLETION OF A SOIL COMPACTION MITIGATION VERIFICATION



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

INTERMEDIATE CONTROL STANDARDS

DUST CONTROL

A. APPLICABILITY

1. THIS PRACTICE IS APPLICABLE IF DUST BECOMES A PROBLEM DURING EXCAVATION AND GRADING OPERATIONS BECAUSE OF LOW MOISTURE CONTENT IN THE SOIL,.

B. MATERIAL AND METHODS

1. ALL AREAS SUBJECT TO DUST MOVEMENT SHALL BE SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. THIS PROCEDURE SHALL BE REPEATED AS REQUIRED TO MAINTAIN A MOISTURE CONTENT IN THE SOIL THAT IS SUFFICIENT TO PREVENT DUST MOVEMENT.
2. IF THE APPLICATION OF WATER BECOMES IMPRACTICAL OR INEFFECTIVE, THE USE OF CALCIUM CHLORIDE IS ACCEPTABLE, PROVIDED THAT THERE ARE NO LOCAL OR STATE REGULATIONS RESTRICTING ITS USE. CALCIUM CHLORIDE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A COMMON SPREADER SHALL SPREAD OVER THE SUSCEPTIBLE AREAS AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR DAMAGE TO VEGETATION. IF USED ON STEEP SLOPES, OTHER PRACTICES SHALL BE IMPLEMENTED TO PREVENT WASHING IN TO STREAMS OR ACCUMULATION AROUND VEGETATION.

MANAGEMENT OF HIGH ACID PRODUCING SOILS

A. APPLICABILITY

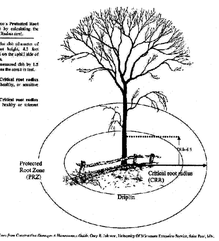
1. THIS PRACTICE IS APPLICABLE TO ANY HIGH ACID PRODUCING SOIL MATERIAL HAVING A pH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE. THESE SOILS MAY BE PRESENT IN UNDISTURBED SOILS AT VARYING DEPTHS INCLUDING NEAR THE SURFACE TO EXCAVATIONS OR DEEP DISTURBANCES. ITS PRESSENCE MAY BE SIGNIFICANT OR LIMITED IN THE SOIL PROFILE. HIGH ACID PRODUCING SOILS ARE COMMONLY BLACK, DARK BROWN, GRAY OR GREENISH WITH SILVERY PYRITE OR MARCASITE NUGGETS OR FLAKED.

B. MATERIAL AND METHODS

1. LIMIT THE AREA OF DISTURBANCE AREA AND EXPOSURE TIME WHEN THESE SOILS ARE ENCOUNTERED.
2. TO PREVENT CROSS CONTAMINATION, TOPSOIL STRIPPED FROM THE SITE SHALL BE STOCKPILED SEPARATELY FROM HIGH ACID PRODUCING SOILS. STOCKPILES SHOULD BE LOCATED ON LEVEL LAND AND THEIR ENTIRE PERIMETER ENCLOSED BY A SILT FENCE TO MINIMIZE MOVEMENT. STOCKPILES STORED FOR MORE THAN 30 DAYS SHALL BE COVERED WITH A PROPERLY ANCHORED, HEAVY GRADE SHEET OF POLYETHYLENE.
3. IMMEDIATELY UPON COMPLETION OF ROUGH GRADING, THESE SOILS SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SETTLED SOIL HAVING A pH OF 5.0 OR MORE.
   a. AREAS WHERE TREES AND SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF 24 INCHES OF SETTLED SOIL HAVING A pH OF 5.0 OR MORE.
   b. DISPOSAL AREAS SHALL NOT BE LOCATED WITHIN 24 INCHES OF ANY SURFACE OF A SLOPE OR BANK SUCH AS BERMS, DITCHES STREAM BANKS AND OTHER WATERCOURSES TO PREVENT POTENTIAL LATERAL LEACHING DAMAGES.
4. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED WHEN SUCH SOIL IS ENCOUNTERED TO LIMIT ITS MOVEMENT FROM, AROUND OR OFF THE SITE.

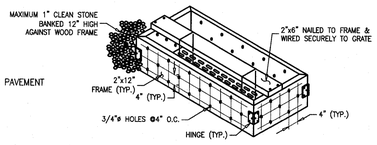
Standards for Soil Erosion and Sediment Control in New Jersey — January 2014

Figure 9-3: Root Protection During Construction Guide



9-5

TREE PROTECTION DETAIL
N.T.S.



INLET PROTECTION DETAIL
N.T.S.

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

SOIL COMPACTION TESTING REQUIREMENTS

1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT CONTROL STANDARDS NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE 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 SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION 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), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT ARES), 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.

COMPACTION TESTING METHODS

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)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULKY DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.

SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

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 LICENSED PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

PERMANENT CONTROL STANDARDS

STABILIZATION WITH PERMANENT VEGETATIVE COVER

A. TOPSOIL

1. IMMEDIATELY BEFORE TOPSOIL APPLICATION, THE SUBGRADE SHALL BE SCARIFIED A MINIMUM DEPTH OF 6" TO PROVIDE A GOOD BOND WITH THE TOPSOIL. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES. WITHIN DRAINAGE BASINS AND SWALES, THE SUBGRADE SHALL BE SCARIFIED A MINIMUM DEPTH OF 12" TO PROMOTE INFILTRATION.
2. TOPSOIL OBTAINED FROM STRIPPING WITHIN THE LIMITS OF THE SITE OR FURNISHED FROM OUTSIDE THE SITE SHALL CONTAIN NO STONES, LUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN TWO INCHES IN ANY DIMENSION, AND SHALL HAVE A pH OF NOT LESS THAN 5.0 NOR GREATER THAN 7.5.
3. WHEN THE pH VALUE OF THE TOPSOIL IS LESS THAN 5.0, IT SHALL BE INCREASED BY APPLYING GROUND LIMESTONE AT A RATE NECESSARY TO ATTAIN AN ACCEPTABLE pH LEVEL.
4. TOPSOIL FURNISHED FROM SOURCES OUTSIDE THE LIMITS OF THE SITE SHALL HAVE A MINIMUM ORGANIC CONTENT OF NOT LESS THAN 2.75%. ORGANIC MATTER CONTENT MAY NOT BE RAISED BY ADDITIVES.
5. THE TOPSOIL SHALL BE APPLIED TO A UNIFORM DEPTH OF 5 INCHES (FIRMED IN PLACE).

B. SEEDBED PREPARATION

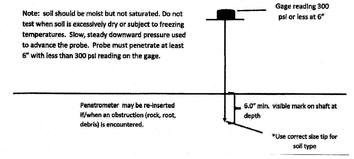
1. APPLY LIMESTONE GROUNDED LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS COOPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICE.
2. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AT THE FOLLOWING RATE UNLESS SOIL TESTING INDICATES OTHERWISE:

SOIL TEXTURE	APPLICATION RATE
CLAY, CLAY LOAM & HIGH ORGANIC SOIL	135 POUNDS PER 1,000 SQUARE FEET
SANDY LOAM, LOAN & SILT LOAM	90 POUNDS PER 1,000 SQUARE FEET
LOAMY SAND & SAND	45 POUNDS PER 1,000 SQUARE FEET

3. APPLY FERTILIZER AT A RATE OF 11 LB. PER 1,000 SQ. FT USING 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS SOIL TESTING INDICATES OTHERWISE.
4. 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 SHALL BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
5. REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION, REMOVE ALL OTHER DEBRIS SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.
6. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

Handheld Soil Penetrometer Test

Note: soil should be moist but not saturated. Do not test when soil is excessively dry or subject to freezing temperatures. Slow, steady downward pressure used to advance the probe. Probe must penetrate at least 6" with less than 300 psi reading on the gage.



HANDHELD SOIL PENETROMETER TEST
N.T.S.

C. SEEDING

1. SEED MIXTURE:

MIX FOR LAWN AREAS	APPLICATION RATE
STRONG CREEPING RED FESCUE	0.4 POUNDS PER 1,000 SQUARE FEET
HARD FESCUE	2.7 POUNDS PER 1,000 SQUARE FEET

2. ALL SEED MUST BE RAKED OR DRILLED INTO SOIL. NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH.
3. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.

D. MULCHING

1. MULCH IS REQUIRED ON ALL SEEDED AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND TO PROMOTE FASTER AND EARLIER ESTABLISHMENT.
2. MULCH MATERIALS SHALL BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS OR SALT HAY UNIFORMLY APPLIED AT A RATE OF 70 TO 90 POUNDS PER 1,000 SQUARE FEET. OTHER SUITABLE METHODS MAY BE USED IF PREAPPROVED BY THE SOIL CONSERVATION DISTRICT. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
3. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED.
4. MULCH SHALL BE SECURED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER BY AN APPROVED METHOD (LIQUID-MULCH BINDER, CRIMPER, PEG AND TWINE, OR NETTING).

E. IRRIGATION (WHERE FEASIBLE)

IF SOIL MOISTURE IS DEFICIENT, AND MULCH IS NOT USED, SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH TWICE DAILY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDING IN ABNORMALLY DRY OR HOT DROUGHTY SITES.

F. TOP DRESSING

SINCE SLOW RELEASE NITROGEN FERTILIZER IS PRESCRIBED UNDER

IF GROSS NITROGEN DEFICIENCY EXISTS TO THE EXTENT THE TURF

AT 10 POUNDS PER 1,000 SQUARE FEET.

SOIL CLASSIFICATION:

SOILS MAP PROVIDED BY WEB SOIL SURVEY 2.0, NATIONAL COOPERATIVE SOIL SURVEY, USDA NATIONAL RESOURCES CONSERVATION SERVICE

PROJECT IS IN: EvfB - EVESBORO FINE SAND, 0 TO 5 PERCENT SLOPES

POTENTIAL ENVIRONMENTAL RESTRICTIONS:

FLOOD PLAINS DO NOT OCCUR ON THE PROJECT LIMITS

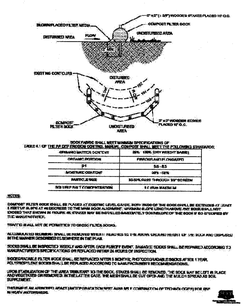
SEQUENCE OF CONSTRUCTION

DURATION OF CONSTRUCTION

ANTICIPATED COMMENCEMENT: MARCH 2027

ANTICIPATED COMPLETION: JUNE 2027

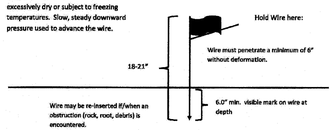
DESCRIPTION OF CONSTRUCTION ACTIVITY	WEEK
1. INSTALL ALL SOIL EROSION MEASURES.	1ST
2. SELECTIVE DEMOLITION.	2ND
3. INSTALL UTILITIES & ROUGH GRADING	3RD-4TH
4. INSTALL CURB, DRIVEWAYS, PADS, AND SLAB ON GRADE FOUNDATION FOR POLE BARN	5TH-6TH
5. ERECT POLE BARN, UTILITY TIE INS	7TH - 11TH
6. INSPECTIONS	12TH
7. FINAL GRADING	13TH
7. RESTORE ASHALT AND PARKING STRIPING.	14TH
8. REMOVE SOIL EROSION MEASURES WHEN PERMANENT VEGETATIVE COVER ESTABLISHED AND STABLE.	WHEN STABLE



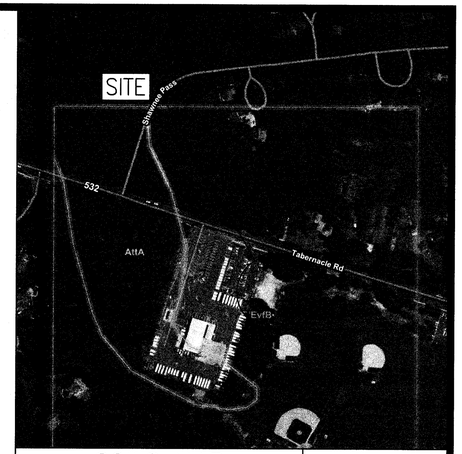
SILT SOCK
N.T.S.

Probing Wire Test- 15.5 ga steel wire (survey flag)

Note: soil should be moist but not saturated. Do not test when soil is excessively dry or subject to freezing temperatures. Slow, steady downward pressure used to advance the wire.

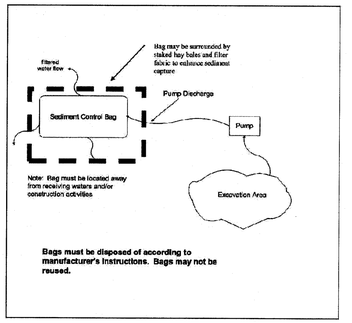


PROBING WIRE TEST
15.5 GA STEEL WIRE (SURVEY FLAG)
N.T.S.

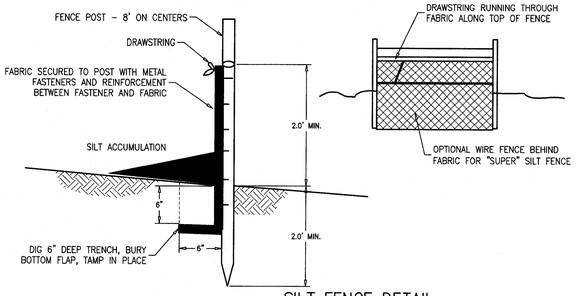


SOILS MAP — SCALE 1"=150'
BURLINGTON COUNTY SOILS

Detail 14-4 Sediment Control Bag for Dewatering



SEDIMENT CONTROL BAG FOR DEWATERING DETAIL
N.T.S.



SILT FENCE DETAIL
N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
2.	PER BCSCD REVIEW LETTER DATED 10/20/26	10/22/2026	MC	JG
1.	PER SOUTH JERSEY GAS COMMENTS	09/03/2026	MM	JG

MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY
SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
SOIL EROSION & SEDIMENT CONTROL DETAILS

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359900
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 —— 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
849 WEST BAY AVENUE, BARNEGAT, NEW JERSEY 08005-2164 —— ONE MARKET STREET, SUITE 1F, CAMDEN, NEW JERSEY 08102
418 STOKES ROAD, MEDFORD, NEW JERSEY 08055 —— 821 N. MAIN STREET, PLEASANTVILLE, NEW JERSEY 08232
203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210

JOSEPH GRAY, P.E., C.M.E. — 10/22/26
NEW JERSEY PROFESSIONAL ENGINEER — N.J. LIC. GE54013

SCALE	N/A
DRAWN BY	CC
DESIGNED BY	JG
CHECKED BY	JG
DATE	06/19/2026
SHEET	5 OF 6

DWG NAME: SESC DETL
DRWG NAME: SHAWNEEPARKING-BLDGSESC01
PROJ NO.: 115.LH00505.M01

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

Definition

Establishment of temporary vegetative cover on soils exposed for periods of two to 6 months which are not being graded, not under active construction or not scheduled for permanent seeding within 60 days.

Purpose

To temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is accomplished.

Water Quality Enhancement

Provides temporary protection against the impacts of wind and rain, slows the over land movement of stormwater runoff, increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

Where Applicable

On exposed soils that have the potential for causing off-site environmental damage.

Methods and Materials

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, pg. 19-1.

   B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.

   C. Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been soil compaction. **This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).**

2. Seedbed Preparation

   A. Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise. Apply limestone at the rate of 2 tons/acre unless soil testing indicates otherwise. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes.

   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 disking operation should

be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

C. Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retilled in accordance with the above.

D. Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.

3. Seeding

   A. Select seed from recommendations in Table 7-2.

TABLE 7-2

TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTH.

SEED SELECTIONS	SEEDING RATE [1] (pounds)		OPTIMUM SEEDING DATE [2] Based on Plant Hardiness Zone [3]			OPTIMUM SEED DEPTH [4] (inches)
	Per Acre	Per 1000 Sq. Ft.	ZONE 5b, 6s	ZONE 6b	ZONE 7a, b	
COOL SEASON GRASSES						
1. Perennial ryegrass	100	1.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	0.5
2. Spring oats	86	2.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	1.0
3. Winter Barley	96	2.2	8/1-9/15	8/15-10/1	8/15-10/15	1.0
4. Annual ryegrass	100	1.0	3/15-6/1 8/1-9/15	3/15-6/1 8/1-9/15	2/15-5/1 8/15-10/15	0.5
5. Winter Cereal Rye	112	2.8	8/1 - 11/1	8/1 - 11/15	8/1 - 12/15	1.0
WARM SEASON GRASSES						
6. Pearl millet	20	0.5	6/1-8/1	5/15-8/15	5/1-9/1	1.0

7. Millet (German or Hungarian)	30	0.7	6/1-8/1	5/15-8/15	5/1-9/1	1.0

1 Seeding rate for warm season grass, selections 5 - 7 shall be adjusted to reflect the amount of Pure Line Seed (PLS) as determined by a germination test result. No adjustment is required for cool season grasses.
2 May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.
3 Plant Hardiness Zone (see figure 7-1, pg. 7-4.)
4 Twice the depth for sandy soils

B. Conventional Seeding. Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil, to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.

C. 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 be applied with a hydroseeder following seeding. (also see Section IV Mulching) Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used for areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.

D. 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.

4. Mulching

Mulching is required on all seeding. Mulch will insure against erosion before grass is established and will promote faster and earlier establishment. The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.

A. Straw or Hay. Unrotted small grain straw, hay free of seeds, 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 (tackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must not grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread mulch uniformly by hand or mechanically so that approximately 95% 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 slopes, and costs.

1. Peg and Twine. 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 cris-cross and a square pattern. Secure twine around each peg with two or more round turns.

2. Mulch Nettings. Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

3. Crimper (mulch anchoring tool). A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the 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 tons per acre. No tackifying or adhesive agent is required.

4. Liquid Mulch-Binders. – May be used to anchor hay or straw mulch.

   a. Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. The remainder of the area should be uniform in appearance.

   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 turfgrass. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.

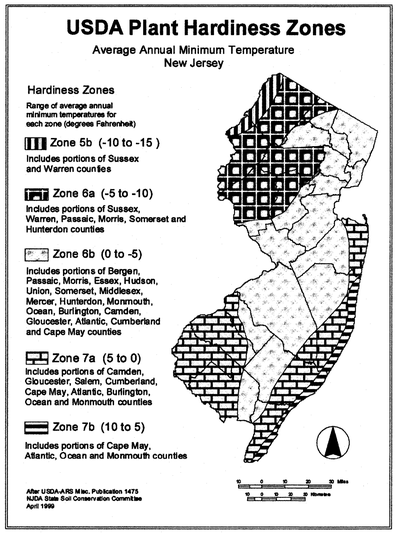
   (2) Synthetic Binders – High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.

   Note: All names give above are registered trade names. This does not constitute a commendation of these products to the exclusion of 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 ponds per acre (or as recommended by the project manufacturer) and may be applied by a hydroseeder. This 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 product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, forma mulch mat. Pelletized mulch shall be applies 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 bee 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.



TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION
N.T.S.

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
2.	PER BCSCD REVIEW LETTER DATED 10/20/26	10/22/2026	MC	JG
1.	PER SOUTH JERSEY GAS COMMENTS	09/03/2026	MM	JG

MEDFORD TOWNSHIP
BURLINGTON COUNTY, NEW JERSEY
SHAWNEE HIGH SCHOOL GROUNDS BUILDING
LENAPE REGIONAL HIGH SCHOOL DISTRICT
BLOCK 4704 LOT 3
SOIL EROSION & SEDIMENT CONTROL DETAILS

CME ASSOCIATES
CONSULTING AND MUNICIPAL ENGINEERS
NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000
3141 BORDENTOWN AVENUE, PARLIN, NEW JERSEY 08859 — 1460 ROUTE 9 SOUTH, HOWELL, NEW JERSEY 07731-1194
849 WEST BAY AVENUE, BARNEGAT, NEW JERSEY 08005-2164 — ONE MARKET STREET, SUITE 1F, CAMDEN, NEW JERSEY 08102
416 STOKES ROAD, MEDFORD, NEW JERSEY 08055 — 831 N. MAIN STREET, PLEASANTVILLE, NEW JERSEY 08232
203 SOUTH MAIN STREET, CAPE MAY COURT HOUSE, NEW JERSEY 08210

JOSEPH GRAY, P.E., C.M.E.
10/22/26
NEW JERSEY PROFESSIONAL ENGINEER — N.J. LIC. GE54013

SCALE	N/A
DESIGNED BY	JG
DRAWN BY	CC
CHECKED BY	JG
DATE	06/19/2026
SHEET	6 OF 6

TASK NAME: SESC DETL
CAD FILENAME: S:\SHAWNEE\PARKING-BLDG\SESC01
PROJ. NO.: 115.LH00505.M01