

























**CONSTRUCTION TIMING & SEQUENCE**

- CONSTRUCTION TIMING & SEQUENCE
  - CONTRACTOR SHALL MAINTAIN CONSERVATION DISTRICT AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
  - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.
  - ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE SHOWN AT APPROXIMATE LOCATIONS. AN EXISTING UTILITY NOT SHOWN ON THE PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES AND TO CALL THE PENNSYLVANIA ONE CALL SYSTEM (1-800-242-1778) BEFORE EXCAVATION.
  - BEGIN PHASE I EROSION AND SEDIMENTATION CONTROL.
  - CONTRACTOR SHALL CONSTRUCT ENTRANCE OFF OF BUCHANAN STREET AS SHOWN ON THE PLANS.
  - SEMENT FILTER BAG INLET PROTECTION ON EXISTING INLETS SURROUNDING THE SITE, LOCATED ALONG BUCHANAN STREET, THIRD STREET, AND HAYES COURT.
  - INSTALL CONSTRUCTION FENCING SURROUNDING THE SITE AS SHOWN ON THE PLANS. INSTALL PERIMETER COMPOST FILTER SOCKS ALONG BUCHANAN STREET, THIRD STREET, AND HAYES COURT, AS SHOWN ON THE PLAN. INSTALL COMPOST FILTER SOCK DOWN SLOPE OF STEEP SLOPES.
  - ANY COMPOST SOCK WHICH HAS BEEN DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL MONITOR THE LENGTH AND SLOPE OF DRAINAGE AREA UPHILL OF ALL COMPOST FILTER SOCKS TO ENSURE THAT THE MAXIMUM UPHILL LENGTH FROM A COMPOST FILTER SOCK IS NOT EXCEEDED.
  - BEFORE REMOVAL OF ALL ABOVE GROUND EXISTING ON-SITE FEATURES PER THE PLANS, THIS INCLUDES, BUT IS NOT LIMITED TO, ABOVE GROUND CONCRETE SURFACES, STEEL BEAMS, SHEDS, TREES, WALLS AND FENCING.
  - BEFORE REMOVAL OF EXISTING SIDEWALKS PER THE PLANS.
  - REMOVE ANY EXCESS EXCAVATED MATERIALS FROM THE SITE AND DISPOSE OF IN AN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P.S. § 60101(a)-61010(b)) AND THE MUNICIPAL WASTE PLANNING, REDUCTION AND WASTE REDUCTION ACT (35 P.S. § 6001(a)-4000.1904), THE CLEAN STREAMS LAW (35 P.S. § 6911-691.100) AND IN ACCORDANCE WITH ANY OTHER RELATED RULES AND REGULATIONS, TITLE 25, CHAPTER 105, SECTION 461.
  - INSTALL CONCRETE WASHOUT FACILITIES ADJACENT TO BUCHANAN STREET.
  - INSTALL COMPOST SOCKS DOWN SLOPE OF TOPSOIL STOCKPILES.
  - "EXCAVATE TRENCH AND INSTALL REMAINING STORM SEWERS WORKING FROM DOWNSTREAM TO UPSTREAM."
  - INSTALL COMPOST FILTER SOCKS IMMEDIATELY AFTER STORM SEWER AND INLETS HAVE BEEN INSTALLED.
  - CONTRACTOR SHALL INSTALL UNDERGROUND ELECTRIC CONNECTION TO THE EXISTING SYSTEM.
  - LAND DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY. ALL OPEN TRENCHES MUST BE PROTECTED.
  - WATER, WHICH ACCUMULATES IN THE OPEN TRENCH, WILL BE COMPLETELY REMOVED BY A PUMP OR BY HAND. MATTING ON ALL SLOPES THAT ARE 3:1 OR STEEPER, AS SHOWN ON THE PLANS.
  - BEGIN GRADING OF THE SITE.
  - INSTALL STORM PIPING BEFORE PIPE PLACEMENT AND/OR BACKFILLING BEGINS.
  - REMOVE ANY EXCESS EXCAVATED MATERIALS FROM THE SITE AND DISPOSE OF IN AN APPROVED MANNER.
  - INSTALL LIGHTING POLES AND FIXTURES.
  - INSTALL CONCRETE SIDEWALKS AND CONCRETE WALKWAYS.
  - BEGIN PAVING OF SURFACE PARKING LOT.
  - PERFORM ALL OTHER AREAS SHALL BE STABILIZED IMMEDIATELY WITH SEED MIXTURE SPECIFIED ON THE LANDSCAPE PLAN.
  - BEGIN INSTALLATION OF NEW SIDEWALK.
  - PLANT PROPOSED STREET TREES WITH STAKEWALK.
  - ONCE THE ABOVE IMPROVEMENTS ARE COMPLETED AND THE SITE IS STABILIZED, CONTACT THE NORTHAMPTON CONSERVATION DISTRICT TO OBTAIN A DEMOLITION PERMIT FOR THE PERIMETER COMPOST FILTER SOCKS AND CONSTRUCTION FENCING.
  - UPON THE PERMANENT STABILIZATION AND INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS, ALL EXISTING MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RESEEDING, RE-MULCHING, AND RE-NETTING, MUST BE COMPLETED IMMEDIATELY.
  - UPON THE RE-ESTABLISHMENT OF VEGETATION ON ALL DENUDED AREAS, ALL THE REMAINING TEMPORARY E&S CONTROLS SHOULD BE REMOVED. ALL AREAS DISTURBED DURING CONSTRUCTION SHOULD BE IMMEDIATELY STABILIZED, RESEED, RE-MULCH, AND RE-NET.
  - ALL SITE INSPECTIONS OF THE NORTHAMPTON COUNTY CONSERVATION DISTRICT IS REQUIRED PRIOR TO THE REMOVAL OF THE FINAL E&S DEVICES. NO E&S REPRESENTATIVE.
  - AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM LAYER OF VEGETATION, PERMANENTLY STABILIZED, RESEED, RE-MULCH, AND RE-NETTING. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY DISTURBED AREAS IMMEDIATELY DURING NON-GERMINATING PERIODS. MULCH MUST BE APPLIED TO THE SPECIFIED RATES.

**CRITICAL STAGES OF CONSTRUCTION - LICENSED PROFESSIONAL TO BE PRESENT ON SITE**

1	PRE-CONSTRUCTION MEETING
2	INSTALLATION OF ALL REQUIRED WATER FILTERS
3	INSPECTION PRIOR TO REMOVAL OF E&S CONTROL MEASURES
4	FINAL INSPECTION AT PROJECT COMPLETION

**GENERAL NOTES**

- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THE COMPLIANCE WITH THE ACTION PLAN AND THE DATE, TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOG IS TO BE KEPT SITE. ALL MAPS AND MAKE AVAILABLE TO THE NORTHAMPTON COUNTY CONSERVATION DISTRICT UPON REQUEST. ALL PREVENTIVE AND CORRECTIVE MEASURES SHALL BE INSTALLED IMMEDIATELY. RESEEDING, RE-MULCHING, RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED. WHERE BMP'S ARE FOUND TO FAIL TO ALLEVIATE EROSION AND SEDIMENTATION POLLUTION THE PERMITTEE OR CO-PERMITTEE SHALL INCLUDE THE FOLLOWING INFORMATION:
  - THE LOCATION AND SEVERITY OF THE BMP'S FAILURE AND ANY POLLUTION EVENTS.
  - ALL STEPS TAKEN TO REDUCE, ELIMINATE, AND PREVENT THE REOCCURRENCE OF THE NON-COMPLIANCE.
  - THE TIME FRAME TO CORRECT THE NON-COMPLIANCE, INCLUDING THE EXACT DATES WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE.
 AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.
- E&S PLAN PRESERVES THE INTEGRITY OF RECEIVING STREAM CHANNELS AND MAINTAINS AND PROTECTS PHYSICAL, BIOLOGICAL AND CHEMICAL QUALITIES OF RECEIVING STREAM.
  - THE EROSION AND SEDIMENT CONTROL PLAN PRESERVES THE INTEGRITY OF THE RECEIVING STREAM CHANNELS, MAINTAINS AND PROTECTS THE PHYSICAL, BIOLOGICAL AND CHEMICAL QUALITIES OF THE RECEIVING STREAMS, PREVENTS AN INCREASE IN THE RATE OF STORM WATER RUNOFF AND MINIMIZES ANY INCREASE IN STORM WATER RUNOFF VOLUME BY 1) REDUCING THE RATE OF STORM WATER RUNOFF FROM THE SITE TO BELOW THE PRE-CONSTRUCTION STORM WATER RUNOFF RATE; 2) PROMOTE WATER QUALITY BMP'S (MECHANICAL WATER QUALITY DEVICES AND STREET SWEEPING) WILL IMPROVE THE WATER QUALITY OF STORM WATER RUNOFF FROM THE SITE BY REMOVING POLLUTANTS THROUGH WASHOUT MEANS OF FILTRATION.
  - MINIMIZING RUNOFF RATE WILL PRESERVE AND PROTECT THE PHYSICAL QUALITIES OF THE RECEIVING STREAM CHANNEL, ADDING WATER QUALITY BMP'S WILL PRESERVE AND PROTECT THE CHEMICAL AND BIOLOGICAL QUALITIES OF THE RECEIVING STREAM CHANNEL.
- E&S PLAN MAXIMIZES PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION.
  - THE EROSION AND SEDIMENT CONTROL PLAN MAXIMIZES THE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION BY 1) MAINTAINING EXISTING DRAINAGE PATHS THAT UTILIZE THE EXISTING MUNICIPAL COLLECTION SYSTEM, NO NEW DRAINAGE ARE PROPOSED. ACCORDINGLY, THIS MINIMIZES LINEAR TRENCHING IN ENVIRONMENTALLY SENSITIVE AREAS THAT WOULD HAVE REQUIRED IF NEW OUTFALLS WERE PROPOSED.
- E&S PLAN MINIMIZES THE EXTENT OF LAND CLEARING AND GRADING.
  - THE EXTENT OF EARTH DISTURBANCE HAS BEEN LIMITED TO THE GREATEST EXTENT POSSIBLE AND TO THE MINIMUM EXTENT OF EARTH DISTURBANCE NECESSARY TO CONSTRUCT THE CONSERVATION DISTRICT. USE OF CALCIUM CHLORIDE OR OTHER SIMILAR APPROVED AGENTS SHALL BE LIMITED TO ONLY THOSE PARTICULAR SITUATIONS IN WHICH PREFERRED CLEANING AND/OR WELLS IS NOT FEASIBLE DUE TO CONDITIONS CAUSED BY WEATHER, TRAFFIC, ETC.

**OTHER BMP'S (SPECIFY)**

SEMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.

**ROCK FILTER OUTLET**

ROCK FILTER OUTLET SHALL BE INSTALLED IMMEDIATELY AND USED IN CONJUNCTION WITH FILTER BAGS. ROCK FILTER OUTLETS SHALL BE INSTALLED WEEKLY AND AFTER EACH RUNOFF EVENT. CLOGGED FILTER SOCK (ASHTO #57) SHOULD BE REPLACED. NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 3/4 THE HEIGHT OF THE FILTER.

**PLACING TOPSOIL OR TOPSOIL MIXTURE**

PREPARATION OF AREAS TO BE TOPSOILED  
GRADE THE AREAS TO BE COVERED BY TOPSOIL USING ACCEPTABLE METHODS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE PLACING THE TOPSOIL. REMOVE STONES AND OTHER FOREIGN MATERIALS. REMOVE AND DISPOSE OF EXCESS TOPSOIL DIMENSION, REMOVE AND SATISFACTORILY DISPOSE OF UNSUITABLE AND SURPLUS MATERIAL.

**PLACING AND SPREADING TOPSOIL**

PLACE TOPSOIL ON THE PREPARED AREAS AND, UNLESS OTHERWISE INDICATED, SPREAD AND COMPACT TO A 4-INCH UNIFORM DEPTH ± 1/2 INCHES. COMPACT WITH A ROLLER WEIGHING 3000 LBS. AND 18" DIA. TIRE. SPREAD AND COMPACT TOPSOIL IN THE DIRECTION OF THE DIRECTION. REMOVE OVERDRIPT TOPSOIL, UNLESS OTHERWISE AGREED UPON IN WRITING. DO NOT PLACE TOPSOIL IN A WET OR FROZEN CONDITION.

**INLET PROTECTION**

FILTER BAG INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY ON ALL REQUIRED INLETS PER THE PLAN. FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. FILTER BAGS SHOULD BE CLEANED OR REPLACED IF THE BAG IS HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING.

STONE & CONCRETE BLOCK INLET PROTECTION SHALL BE USED WITH A 6" LAYER OF COMPOST AROUND THE OUTSIDE OF THE STONE. THIS INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AND USED IN CONJUNCTION WITH INLET FILTER BAGS. STONE FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. FILTER BAGS SHOULD BE CLEANED OR REPLACED. NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 3/4 THE HEIGHT OF THE FILTER.

**STABILIZED CONSTRUCTION ENTRANCE**

THE STABILIZED CONSTRUCTION ENTRANCE HAS TO BE CONSTRUCTED PER THE DETAIL. THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF STABILIZED MATERIAL SHALL BE KEPT ON THE SITE FOR THE PURPOSE AT THE END OF EACH CONSTRUCTION DAY. ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

**STABILIZED CONSTRUCTION ENTRANCE SPECIFICATIONS**

- WHERE DENUDED AREAS ARE DESIRED TO BE LAWN:
  - PERFORM ALL CULTURAL OPERATION AT RIGHT ANGLES TO THE SLOPE.
  - APPLY LIME ACCORDING TO TEST OR AT THE RATE OF 275 LBS. OF GROUND LIMESTONE PER ACRE.
  - APPLY FERTILIZER ACCORDING TO SOIL TEST OR WORK IN PLOT #, 11.5 LBS. OF 100-200-200 OR EQUIVALENT PER 1,000 SQ. FT. AND 40% OF NUTRIENT BASED ON THE SOIL TEST.
  - SEED WITH A MIXTURE OF 60% PENNSYLVANIA BLUEGRASS, 30% PENNSYLVANIA RED FESCUE, AND 10% PERENNIAL Ryegrass AT THE RATE OF 500 LBS. PER ACRE.
  - COVER GRASS AND LEGUME SEEDS WITH 1/4" OF SOIL WITH SOIL EQUIPMENT, MULCH, USING 3" MULCH AS REQUIRED.
  - IF THE OPERATOR SHALL EXCEED 25% JUNE NETTING OR OTHER EQUIVALENT (EQUAL) SOLE STABILIZATION MEASURES SHALL BE UTILIZED. IN ADDITION, THE SEEDING SPECIFICATIONS FOR STEEP SLOPES SHALL BE INCREASED TO INCLUDE 3 LBS./1,000 SQ. FT. OF ANNUAL RYEGRASS PER ACRE.
  - H. TRADITIONAL BMP'S SHOULD BE ADEQUATE TO PROTECT RECEIVING WATERS.

**TEMPORARY STABILIZATION & PERMANENT STABILIZATION**

- HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
- MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED IN ALL AREAS WHERE MULCH IS TO BE APPLIED.
- STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THE COMPLIANCE WITH THE ACTION PLAN AND THE DATE, TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOG IS TO BE KEPT SITE. ALL MAPS AND MAKE AVAILABLE TO THE NORTHAMPTON COUNTY CONSERVATION DISTRICT UPON REQUEST. ALL PREVENTIVE AND CORRECTIVE MEASURES SHALL BE INSTALLED IMMEDIATELY. RESEEDING, RE-MULCHING, RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.

**RECYCLING OR DISPOSAL OF MATERIALS §102.8 (F)(1)**

THE FOLLOWING INFORMATION RELATIVE TO MATERIAL RECYCLING & DISPOSAL, AND FILL IS PROVIDED FOR THE SOLE PURPOSE OF GUIDANCE ONLY. THE SITE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, OR FEDERAL REGULATIONS, REGULATIONS, AND/OR STATUTES. SITE OPERATOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND FOR THE PROPER HANDLING AND DISPOSAL OF ALL MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND FOR THE PROPER HANDLING AND DISPOSAL OF ALL MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND FOR THE PROPER HANDLING AND DISPOSAL OF ALL MATERIALS.

**1. BUILDING MATERIALS AND WASTE MANAGEMENT**

- PRIOR TO THE REMOVAL OF EXISTING STRUCTURES, A DEMOLITION PERMIT SHALL BE RECEIVED FROM THE CITY. ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF AT A LICENSED LANDFILL. DEMOLITION DEBRIS ON SITE SHALL BE PROHIBITED.
- BUILDING MATERIALS AND OTHER CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND NOT DISPOSED OF TO REDUCE POLLUTION TO SURFACE AND GROUND WATER AS PER PA CODE §102.8(b)(9)(XII). PROPER TRASH DISPOSAL, RECYCLING OF MATERIALS, CONSTRUCTION MATERIALS HANDLING AND SPILL PREVENTION, AND PROPER STORAGE OF MATERIALS FOR CONSTRUCTION SITE WASTES TO BE MOBILIZED BY STORMWATER RUNOFF AND CONVEYED TO SURFACE WATERS.
- THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE AND/OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH DEPARTMENT'S SOIL WASTE MANAGEMENT REGULATIONS (25 PA. CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ.). THE OPERATOR SHALL NOT ILLEGALLY BURY, DUMP, BURN OR DISCHARGE ANY BUILDING MATERIAL OR WASTE AT THE SITE.
- UNDER NO CIRCUMSTANCES MAY EROSION CONTROL BMP'S BE USED FOR TEMPORARY STORAGE OF DEMOLITION MATERIALS OR CONSTRUCTION WASTES.

**2. TREES, STUMPS & BRUSH**

- CLEARING WASTE SHALL NOT BE BURIED OR BURNED. SOIL MATERIALS SHALL BE GROUND AND USED AS MULCH HAILED TO A MULCH RECYCLING FACILITY.
- BITUMINOUS CONCRETE & PAVING WASTE MATERIAL SHALL BE RECYCLED ON SITE. BITUMINOUS PAVING WASTES MAY BE CRUSHED/MILLED AND MIXED WITH AGGREGATE MATERIALS USED FOR CONSTRUCTION OF DRIVEWAYS OR DRIVEWAYS. CRUSHED BITUMINOUS PAVING WASTES SHALL BE HAULED TO A FACILITY EQUIPPED TO RECYCLE SUCH MATERIAL. BITUMINOUS MATERIALS SUCH AS PAVEMENT SEALER, ROOFING MATERIAL, ETC. MUST BE DISPOSED OF AS BUILDING WASTE MATERIAL.

**3. ROCK WASTE**

- ANY ROCK THAT IS SUITABLE FOR LANDSCAPING PURPOSES MAY BE UTILIZED ON SITE OR AT ANOTHER FACILITY. ROCK MAY ALSO BE CRUSHED AND UTILIZED AS AGGREGATE CONSTRUCTION MATERIAL PROVIDED IT MEETS REQUIRED SPECIFICATIONS FOR SUCH USE, AND IS APPROVED FOR USE BY THE CITY.
- EXCESS SOIL WASTE
- ALL EXCAVATED CLEAN FILL SOILS MAY BE UTILIZED ON SITE AS FILL MATERIAL. EXCESS SEDIMENT AND/OR SOILS MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH AN EROSION CONTROL PLAN APPROVED BY THE COUNTY CONSERVATION DISTRICT, AND IMPLEMENTED. ALL APPLICABLE EROSION CONTROL BMP'S HAVE BEEN PROPERLY INSTALLED AND MAINTAINED.

**4. EXCESS SOIL WASTE**

- EXCESS SOIL WASTE SHALL BE REMOVED FROM THE SITE IMMEDIATELY. EXCESS SEDIMENT AND/OR SOILS MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH AN EROSION CONTROL PLAN APPROVED BY THE COUNTY CONSERVATION DISTRICT, AND IMPLEMENTED. ALL APPLICABLE EROSION CONTROL BMP'S HAVE BEEN PROPERLY INSTALLED AND MAINTAINED.

**5. BMP SEDIMENT DISPOSAL**

- SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOOD PLAINS, OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED; A. LACED IN TOPSOIL.
- LANDSCAPED AREAS SHALL BE UPLAND AREAS OUTSIDE OF ALL OTHER REGULATED WATERS OR AREAS WITH REGULATED WATERS OF THE LOWLANDS OF THE UNITED STATES.
- DOWN SLOPE PERIMETER OF THE LANDSCAPED AREA SHALL BE PROTECTED WITH SILT FENCE. C. SEDIMENT USED AS TOPSOIL COVER ON UPLAND AREAS SHALL BE EVENLY SPREAD OVER THE DISPOSAL AREA.
- IF THE LANDSCAPED AREA IS TEMPORARY, AREA SHALL BE IMMEDIATELY STABILIZED IN ACCORDANCE WITH THE PERMANENT REQUIREMENTS.
- IF THE LANDSCAPED AREA GRADING IS PERMANENT, AREA SHALL BE IMMEDIATELY STABILIZED IN ACCORDANCE WITH THE PERMANENT REQUIREMENTS.
- WHEN THE LANDSCAPED AREA HAS 70% UNIFORM PERENNIAL VEGETATIVE COVER OF SUFFICIENT DENSITY TO RESIST ACCELERATED EROSION, ALL TEMPORARY EROSION CONTROL WILL BE REMOVED.

**6. CEMENT CONCRETE WASTE**

- ANY PROBLEMS WITH WHICH CONCRETE WILL BE POURED OR OTHERWISE FORMED ON SITE, A SUITABLE WASHOUT FACILITY MUST BE PROVIDED FOR THE CLEANING OF CHUTES, MIXERS, AND CONCRETE PUMPS. UNDER NO CIRCUMSTANCES MAY WASH WATER FROM THESE VEHICLES BE ALLOWED TO ENTER ANY SURFACE WATERS. PROPER SIGNAGE MUST BE PROVIDED TO DRIVERS ON HIGHWAYS OR SURFACE WATERS. CONCRETE TRUCK OR MIXER WASHER WATER MAY BE DISCHARGED DIRECTLY IN STORM SEWER COLLECTION & CONVEYANCE SYSTEMS SO AS NOT TO ADVERSELY AFFECT FUNCTION OF ONLINE HYDRODYNAMIC DEVICES, OR ADVERSELY AFFECT CONSTRUCTION TRAFFIC OR GROUNDWATER QUALITY.
- WASHOUT FACILITIES SHOULD NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES OR SURFACE WATERS. CONCRETE TRUCK OR MIXER WASHER WATER MAY BE DISCHARGED DIRECTLY IN STORM SEWER COLLECTION & CONVEYANCE SYSTEMS SO AS NOT TO ADVERSELY AFFECT FUNCTION OF ONLINE HYDRODYNAMIC DEVICES, OR ADVERSELY AFFECT CONSTRUCTION TRAFFIC OR GROUNDWATER QUALITY.
- WASHOUT FACILITIES SHOULD BE IN A CONVEYMENT LOCATION FOR THE TRUCKS, PREFERABLY AT THE PLACE WHERE THE CONCRETE IS BEING POURED, BUT FAR ENOUGH FROM OTHER VEHICULAR TRAFFIC TO MINIMIZE THE POTENTIAL FOR ACCIDENTAL DAMAGE OR SPILLS. WHEREVER POSSIBLE THEY SHOULD BE LOCATED ON SLOPES NOT EXCEEDING A 2% GRADE.
- SOLIDIFIED, CEMENT CONCRETE WASTE MATERIALS MAY BE CRUSHED, RECYCLED, AND USED AS FILL.
- CONCRETE WASHOUT MUST BE HANDLED AND CONTAINED TO ALLOW SUITABLE TIME FOR EVAPORATION AND CURING.
- EXCESS MATERIAL MAY EVENTUALLY BE DISPOSED OF, OR USED AS A CLEAN FILL MATERIAL PROVIDED SUCH FILL MATERIAL IS NOT UTILIZED OR ASSOCIATED WITH ANY OTHER PCSM BMP.
- F. CONTRACTOR IS RESPONSIBLE FOR PROPER HANDLING AND DISPOSAL OF LIQUID WASTE THAT IS NOT PROVIDED SUFFICIENT TIME FOR EVAPORATION.

**7. GENERAL TRASH**

- THE CONTRACTOR SHALL PROVIDE SUITABLE TRASH AND RECYCLING CONTAINERS FOR WASTE GENERATED BY CONSTRUCTION MATERIAL PACKAGING AND GENERAL CONSTRUCTION WASTE (I.E. SODA CANS, SANDWICH WRAPPERS, ETC.). ALL TRASH SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. NO TRASH SHALL BE ALLOWED TO BE BURIED, BURNED.

**8. GENERAL TRASH**

- THE CONTRACTOR SHALL PROVIDE SUITABLE TRASH AND RECYCLING CONTAINERS FOR WASTE GENERATED BY CONSTRUCTION MATERIAL PACKAGING AND GENERAL CONSTRUCTION WASTE (I.E. SODA CANS, SANDWICH WRAPPERS, ETC.). ALL TRASH SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. NO TRASH SHALL BE ALLOWED TO BE BURIED, BURNED.

**THERMAL IMPACTS**

THERMAL IMPACTS WILL BE ADDRESSED BY REDUCING THE AMOUNT OF IMPERVIOUS AREA AND PROTECTING TREES ADJACENT TO PAVED SURFACES IN THE POST DEVELOPMENT CONDITIONS.

**COMPOST FILTER SOCK**

COMPOST FILTER SOCK SHALL BE INSTALLED PER THE DETAIL. SEDIMENT SHALL BE REMOVED FROM BEHIND FILTER SOCKS AFTER EACH STORM EVENT WHEN FILTER BEHIND BECOMES CLOGGED WITH SEDIMENT. THE FILTER SOCK SHALL BE REPLACED WITH NEW COMPOST SOCK.

**DUST CONTROL**

DUST AND OTHER PARTICLES SHALL BE KEPT WITHIN TOLERABLE LIMITS BY USING WATER. APPLICATION SHALL BE AS NEAR AS IS PRACTICABLE TO THE TOWNSHIP ENGINEER'S CONSERVATION DISTRICT. USE OF CALCIUM CHLORIDE OR OTHER SIMILAR APPROVED AGENTS SHALL BE LIMITED TO ONLY THOSE PARTICULAR SITUATIONS IN WHICH PREFERRED CLEANING AND/OR WELLS IS NOT FEASIBLE DUE TO CONDITIONS CAUSED BY WEATHER, TRAFFIC, ETC.

**AIR POLLUTION**

BURNING OF TREES, STUMPS, CUTTINGS AND OTHER PERISHABLE MATERIALS WILL NOT BE PERMITTED UNLESS SPECIALLY ALLOWED BY THE MUNICIPALITY. THE PROVISIONS OF THE PENNSYLVANIA CONSTRUCTION ACT, JANUARY 8, 1990, AS AMENDED TO DATE, WILL GOVERN AND AREA A PART OF THIS PLAN BY REFERENCE.

**STANDARD E&S PLAN NOTES**

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE AND TIMING OF THE ACTIVITIES DESCRIBED IN THIS PLAN. ALL DISTURBANCE ACTIVITIES SHALL BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.

AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.

CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE. ALL EARTH DISTURBANCE ACTIVITIES SHALL BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.

AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMITS OF THE DISTURBED AREAS. ALL VEHICLES ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION.

TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MARKED WITH THE TOPSOIL STOCKPILE SYMBOL. THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION, EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS.

IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT PROTECTION, THE OPERATOR SHALL IMMEDIATELY NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.

ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1 ET SEQ., AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING USED.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM P-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL TO ANALYTICAL TESTING.

ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THE PLAN. UNPUMPED VEGETATION SHALL BE PROTECTED BY SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR DISCHARGING OVER A FILTER BAG.

VEHICLES AND EQUIPMENT MAY EITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE CONSTRUCTION SITE ONTO BUCHANAN STREET, EAST 3RD STREET, OR HAYES STREET EXCEPT FOR A FENCING OR OTHER PROTECTION.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THE COMPLIANCE WITH THE ACTION PLAN AND THE DATE, TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOG IS TO BE KEPT SITE. ALL MAPS AND MAKE AVAILABLE TO THE NORTHAMPTON COUNTY CONSERVATION DISTRICT UPON REQUEST. ALL PREVENTIVE AND CORRECTIVE MEASURES SHALL BE INSTALLED IMMEDIATELY. RESEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.

ALL LOGS SHOWN THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED. THE LOG SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.

SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORKING DAY. ALL EXCESS SEDIMENT SHALL BE MADE AVAILABLE TO NORTHAMPTON COUNTY CONSERVATION DISTRICT COMPLETE, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.

SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR DISCHARGED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

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