

TYPICAL HOME-LOT EROSION AND SEDIMENTATION CONTROL PLANS FOR THE JEFFERSON COUNTY CONSERVATION DISTRICT

JEFFERSON COUNTY - PENNSYLVANIA

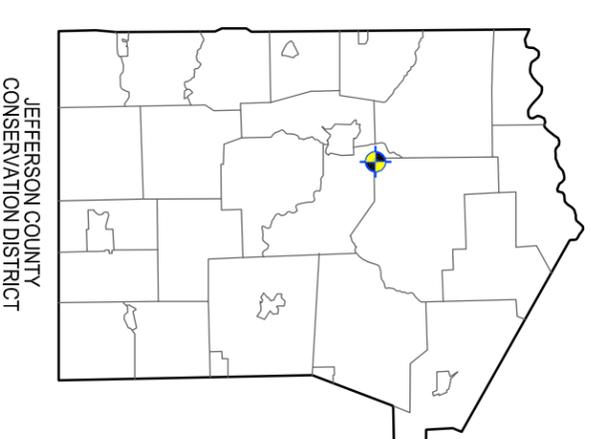
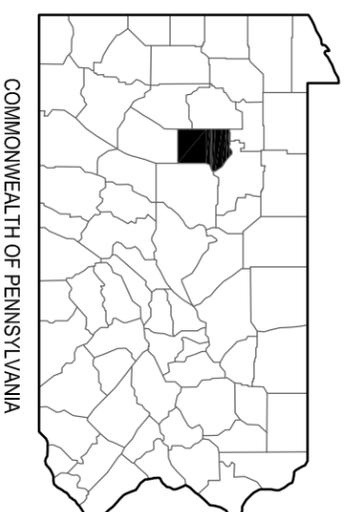
MARCH 2011



JEFFERSON COUNTY
CONSERVATION DISTRICT

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STANDARD EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREA OF THOSE CONTROLS.
2. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
3. STOCKPILES MUST BE STABILIZED IMMEDIATELY.
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
5. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN 20 DAYS MUST BE STABILIZED IMMEDIATELY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT A RATE OF 3 TONS PER ACRE. DISTURBED AREAS THAT ARE NOT AT FINISHED GRADE AND THAT WILL BE DISTURBED WITHIN ONE YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS THAT ARE EITHER AT FINISHED GRADE OR THAT WILL NOT BE REDISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.
6. STOCKPILES MUST BE STABILIZED IMMEDIATELY.
7. HAY OR STRAW MULCH MUST BE APPLIED AT RATES OF AT LEAST 3 TONS PER ACRE.
8. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROL FACILITIES MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF EROSION AND SEDIMENTATION CONTROL FACILITIES AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, AND MULCHING MUST BE PERFORMED IMMEDIATELY.
9. INTERIM STABILIZATION IN THE EVENT OF PLANNED OR UNPLANNED PROJECT SUSPENSION WILL CONSIST OF MULCHING OF DISTURBED AREAS DURING WINTER OR NONGROWING SEASONS. INTERIM STABILIZATION MUST ALSO BE IMPLEMENTED WHEN EARTH MOVING ACTIVITIES HAVE CEASED FOR TWENTY (20) CONSECUTIVE DAYS. GROWING SEASON STABILIZATION WILL CONSIST OF SEEDING AND MULCHING DISTURBED AREAS IN ACCORDANCE WITH TEMPORARY SPECIFICATIONS. FALL CUTOFF FOR SEEDING WILL BE APPROXIMATELY THE END OF OCTOBER. DISTURBED AREAS THAT ARE NOT AT FINISHED GRADE AND THAT WILL BE REDISTURBED WITHIN ONE (1) YEAR MAY BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDING SPECIFICATIONS. DISTURBED AREAS THAT ARE EITHER AT FINISHED GRADE OR WILL NOT BE REDISTURBED WITHIN ONE (1) YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.

CONSTRUCTION SEQUENCE

DESCRIBED BELOW ARE THE MAJOR CONSTRUCTION ACTIVITIES THAT ARE THE SUBJECT OF THE EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN. THEY ARE PRESENTED IN THE ORDER (OR SEQUENCE) THAT THEY ARE EXPECTED TO BEGIN, BUT EACH ACTIVITY WILL NOT NECESSARILY BE COMPLETED BEFORE THE NEXT BEGINS. ALSO, THESE ACTIVITIES COULD OCCUR IN A DIFFERENT ORDER IF NECESSARY TO MAINTAIN ADEQUATE EROSION AND SEDIMENT CONTROL. DEVIATIONS FROM THE APPROVED PLAN AND CONSTRUCTION SEQUENCE MUST BE APPROVED BY THE COUNTY CONSERVATION DISTRICT.

1. LAYOUT AREA TO BE DISTURBED. ONCE THIS AREA IS LAID OUT, DETERMINE THE LOCATION OF REQUIRED SILT FENCE, FROM THE SUPPLIED CHART, DETERMINE THE LENGTH OF SLOPE TO THE SILT FENCE AND THEN THE SIZE OF SILT FENCE REQUIRED.
2. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE AS SHOWN ON PLANS AND THEN BEGIN CLEARING AND GRUBBING OF SITE.
3. ONCE THE SITE HAS BEEN CLEARED, GRADE SITE AS SHOWN ON EROSION CONTROL FOR HOME BUILDER DOWN GRADIENT DETAIL. GRADING SHALL BE DONE TO ENSURE THAT RUNOFF FROM THE HOUSE CONSTRUCTION AREA AND OTHER DISTURBED AREAS DRAIN TO THE SILT FENCE.
4. STOCKPILE ALL TOPSOIL IN ONE PILE. THIS PILE SHOULD BE SURROUNDED BY STANDARD SILT FENCE.
5. BEGIN EXCAVATION FOR HOUSE FOUNDATION. EXCAVATED MATERIAL FROM THE FOUNDATION SHALL BE STOCKPILED AND THE STOCKPILE SHALL BE SURROUNDED BY SILT FENCE. FILL MAY BE USED FOR SITE GRADING AS NEEDED.
6. START CONSTRUCTION OF THE HOUSE.
7. ONCE THE FOUNDATION IS COMPLETE, BEGIN ROUGH GRADING OF SITE PERIMETER. SITE GRADING SHALL FOLLOW IBC REQUIREMENTS.
8. SEED AND MULCH ALL DISTURBED AREAS TO SPECIFICATION OF THE SEEDING SCHEDULE.
9. STABILIZE ANY AREAS THAT WILL REMAIN UN-DISTURBED FOR MORE THAN 20 DAYS ACCORDING TO THE TEMPORARY SEEDING SCHEDULE. ONCE AN AREA HAS REACHED FINAL GRADE, STABILIZE IT IMMEDIATELY.
10. 70% UNIFORM PERMANENT VEGETATIVE COVER MUST BE ESTABLISHED IN ALL TRIBUTARY AREAS BEFORE EAS BMP'S ARE REMOVED.
11. MAINTAIN EROSION AND SEDIMENTATION CONTROL DEVICES UNTIL DECLARED SATISFACTORY BY THE ENGINEER AND COUNTY CONSERVATION DISTRICT.

MAINTENANCE SCHEDULE

THE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL GROUND DISTURBING ACTIVITIES CEASE AND PERMANENT STABILIZATION OF DISTURBED AREAS IS COMPLETED AND ACCEPTED BY THE COUNTY CONSERVATION DISTRICT.

THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENTATION CONTROL MEASURES AFTER EACH RAINFALL OR SNOWMELT EVENT OR ON A WEEKLY BASIS AND REMOVE ALL ACCUMULATED SEDIMENT WHENEVER THE LEVEL OF ACCUMULATION HAS REACHED THE CLEANOUT LEVEL OF THE SEDIMENT DEVICE ON THE SPECIFIED CLEANOUT LEVEL AS INDICATED ON THE PLANS. SEDIMENTS OBTAINED FROM SEDIMENT STRUCTURES WILL BE REMOVED AND DISPOSED OF OFF-SITE IN A LAWFUL MANNER OR UTILIZED ON-SITE IN A CONTROLLED MANNER.

FILTER FABRIC FENCE WILL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE SEDIMENT REACHES ONE-THIRD OF THE FENCE HEIGHT. IF THE FENCE FAILS TO HOLD IN ANY WAY, THE FAILED SECTION WILL BE REPLACED IMMEDIATELY WITH A ROCK FILTER. PRIOR TO FINAL REMOVAL OF THE FENCES, AND FOLLOWING STABILIZATION OF UPSLOPE DRAINAGE AREAS, THE ACCUMULATED SEDIMENTS WILL BE REMOVED. AFTER REMOVAL, REGRADE AND RESEED AS REQUIRED.

WHEN THE LOOSE STONE TIRE TREAD CLEANER AT THE CONSTRUCTION ENTRANCE BECOMES CHOKED WITH SEDIMENT, THE CONTRACTOR WILL REPLACE THE STONE OR PROVIDE ADDITIONAL TOP DRESSING OF AASHTO NO. 1 AS DIRECTED BY THE ENGINEER. A STOCKPILE OF AASHTO NO. 1 SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD HE SUSPECT THAT ANY SEDIMENT OR EROSION CONTROL DEVICE IS NOT OPERATING CORRECTLY.

ACCELERATED EROSION CONTROL

THIS PLAN SHALL NOT BE CONSIDERED ALL-INCLUSIVE AND THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE.

ANY TOPSOIL STOCKPILES, EXCESS EXCAVATION STOCKPILES AND ANY GRADED AREA ON WHICH WORK CEASES FOR 20 OR MORE DAYS SHALL HAVE INTERIM SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PERFORMED ON THEM. THESE MEASURES CONSIST OF TEMPORARY SEEDING AND MULCHING OF THE STOCKPILES AND THE INSTALLATION OF SILT FENCE.

ALL AREAS NOT TO BE PAVED SHALL BE STABILIZED BY APPLYING FINAL SEED MIXTURE AND MULCHING AS SOON AS PRACTICAL AFTER FINAL GRADING OR FINAL EARTHMOVING IS COMPLETE. ALL AREAS TO BE PAVED WILL HAVE STONE SUBBASE APPLIED AS SOON AS POSSIBLE AFTER REACHING FINAL GRADE. THE PERMANENT VEGETATIVE COVER SHALL BE ACCOMPLISHED WITHIN 10 DAYS AFTER FINAL GRADING OPERATIONS HAVE BEEN COMPLETED.

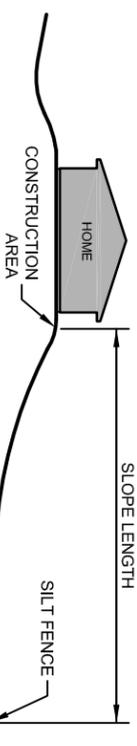
RECYCLING & DISPOSAL OF MATERIALS/FILL MATERIALS

CONTRACTOR MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO EXCESS SOIL MATERIALS, BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHERE POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL.

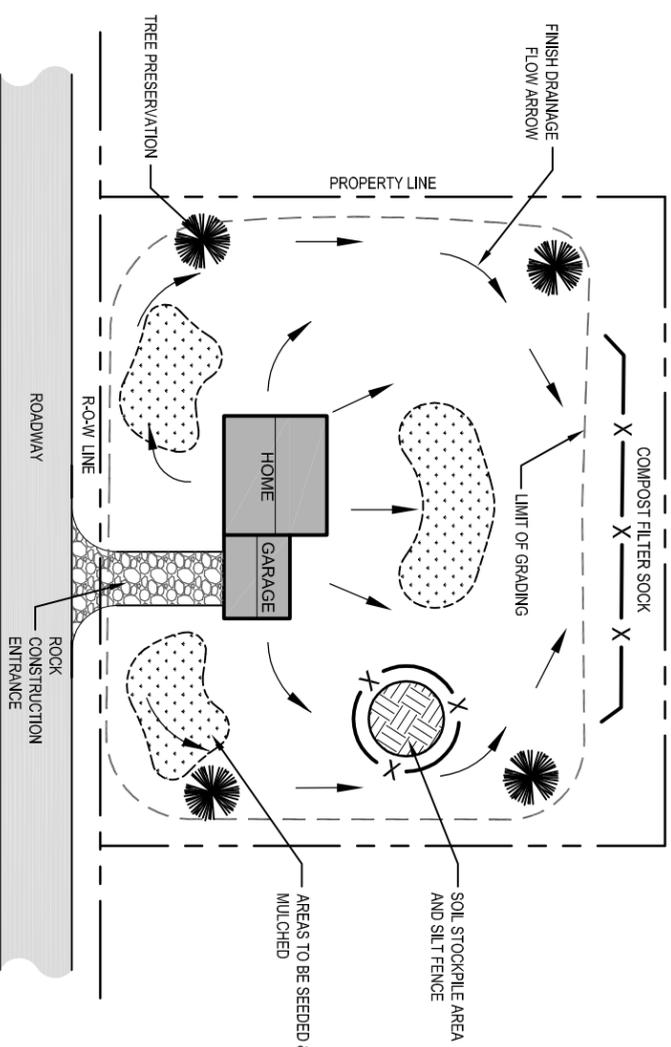
THE CONTRACTOR SHALL USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT THE FILL MATERIAL ASSOCIATED WITH THIS PROJECT (IF ANY) QUALIFIES AS CLEAN FILL MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ANY REQUIRED PERMITS.

CLEAN FILL SHALL BE DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THIS TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT ARE SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THIS TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ALPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)

ENVIRONMENTAL DUE DILIGENCE INVESTIGATIVE TECHNIQUE, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.



MAXIMUM SLOPE LENGTHS FOR FILTER FABRIC FENCE		
SLOPE PERCENT	MAXIMUM SLOPE LENGTH (FT.) ABOVE FENCE	
	18" HIGH FENCE	30" HIGH FENCE
2 (OR LESS)	150	500
5	100	250
10	50	150
15	35	100
20	25	70
25	20	55
30	15	45
35	15	40
40	15	35
45	10	30
50	10	25



TYPICAL CROSS SECTION DOWN-GRADIENT

NOTE:
SURFACE RUNOFF SHALL BE DIVERTED TO A STORM SEWER OR OTHER POINT OF COLLECTION (WET DITCH, ETC.) SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM 8 INCHES WITHIN THE FIRST 10 FEET.
ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH I.B.C. STANDARDS.

EROSION CONTROL FOR HOME BUILDER -- DOWN GRADIENT

SCALE: NTS



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Project Name:
TYPICAL HOME- LOT
EROSION AND
SEDIMENTATION
CONTROL PLAN

Rev.	Date	Description

Issue: MARCH 2011
Scale: As Specified
Drawn By: TDP
Checked By: JLS
Sheet Title: EROSION AND SEDIMENTATION TYPICAL SITE

Sheet Number: C1.00

