

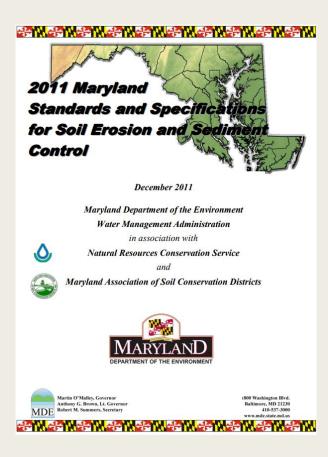




RESOURCES FOR EROSION & SEDIMENT CONTROL PLAN REVIEW

All Erosion and Sediment control plans submitted for review and approval for projects located in Frederick County, must adhere to the current 2011 Maryland Department of the Environment's Standard and Specifications for Soil Erosion and Sediment Control.

2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control



APPROVAL INFORMATION

The Catoctin and Frederick Soil Conservation District approval of erosion and sediment control plans expires two (2) years from the approval date. When the approval expires, plans must be re-submitted for recertification (renewal).

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J	rreu	eri	CK	3011	conse	vation	DISTRI	cı

Erosion and Sediment Control Plan Approval

By: ______
District Manager or Designee

Date:_____

Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

Catoctin Soil Conservation District

Erosion and Sediment Control Plan Approval

By: ______
District Manager or Designee

Date:

Plan is valid for 2 years from date of approval

SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.

PLAN REVIEW FEE

- > First Submission= \$100.00
- > Resubmission= \$100.00
- ➤ Originals for Signatures= Total Acres of Disturbed Area __ X \$100.00 plus \$300.00 base charge.

Cash or Check is accepted for payment. Please make checks out to: Catoctin and Frederick SCD.

There will be a \$45.00 fee on ALL returned checks

SUBMISSION REQUIREMENTS

First or Resubmission Site Plan:

- > One (1) Paper Copy of Plan and Supporting Documents
- Completed Transmittal Sheet Project Name, Engineering Firm, Contact Name, Phone Number and Email. Fee Transmittal Sheet- Fillable Form
- ➤ Fee of \$100.00 Cash or Check made out to Catoctin/Frederick Soil Conservation

Originals for Signature:

- > Two (2) Paper Copy of Plan and Supporting Documents
- ➤ Completed Transmittal Sheet Project Name, Engineering Firm, Contact Name, Phone Number and Email. Fee Transmittal Sheet- Fillable Form
- Copy of the final review bill.
- ➤ Fee From Final Review Bill Payment of (Total Acres of Disturbed Area X \$100.00 Plus \$300.00 Base charge.) Cash or Check made out to Catoctin/Frederick Soil Conservation

^{*}Original plans <u>will not</u> be accepted by the Catoctin/ Frederick Soil Conservation District until requested by urban technician in writing on sediment control checklist and final review bill is issued.

REVIEW TIME

Review time will be 30 working days from the time plans are received at the Catoctin and Frederick Soil Conservation District office.

Any calls or questions regarding submissions must be from the engineering firm. Soil Conservation District will not give status updates with in the 30 day review time.

All Urban review comments and paperwork must be picked up by the engineering firm.



FEE TRANSMITTAL SHEET



Catoctin & Frederick Soil Conservation 92 Thomas Johnson Drive- Suite 230 Frederick, MD 21702 (301)-695-2803 x3

Fee Transmittal Sheet

Project Name:		
Engineer:		
Contact:	Phone:	
Email:		
First Submission \$10	0.00 Check#	
Resubmission \$10	0.00 Check#	

MAKE CHECKS PAYABLE TO: CATOCTIN AND FREDERICK SCD's

THERE WILL BE A \$45.00 FEE ON ALL RETURNED CHECKS

FORMS CAN BE ACCESSED AT WWW.CATOCTINFREDERICKSCD.COM/RESOURCES

FINAL REVIEW BILL SHEET

Catoctin Soil Conservation District Frederick Soil Conservation District 92 Thomas Johnson Drive, Suite 230 Frederick, MD 21702-4300 Phone: 301 695-2803 ext. 3

FINAL REVIEW BILL

Total Acres of Disturbed Area Plus + Base Charge	\$ \$100.00 \$ 300.00
Total Amount Due with Final Submission	\$
2 paper plan sets are required at final submission.	
There will be a \$45.00 fee on all returned checks.	
*Originals will not be signed unless fee is paid in	full at time of submission.
10	
Signature	Date
Urban Reviewer	

SOIL CONSERVATION DISTRICT REVIEW CHECKLIST

CATOCTIN & FREDERICK SOIL CONSERVA 22 Thomas Johnson Drive, Suite 230	Catoctin SCD	
rederick, MD 21702-4300	Frederick SCD	
Phone: 301-695-2803 Ext. 3	City Plan	
		*
a a	APPROVEDUNACCEPTABLE	
CHECKLIST REVIEW	FORM - SEDIMENT CONTROL	
PLAN REVIEWED	N _A	
DATE RECEIVED		
NGINEER		-
REVIEWED BY	POND REVIEW	
PERSON CONTACTED	DAŤE	. 1
COMMENTS ORIGINALS PICKED UP BY	DATE	3
OPDIMENT OF	ONTROL CHECKLIST	
	NOTES & DETAILS	
GENERAL DATA Plan at proper scale, 1" = 50' or larger.	Sequence of operations.	
Signature Blocks.	Sediment control notes.	
	Utility notes.	
Disturbed Area outlined.	Standard drawings for engineering structures or ref	erence
Total Sq. Ft. of Disturbed Area.	to specifications.	0101100
Location Sketch.		
Engineer Certification.	Secondary utility notes.	
Owner/Developer Certification with printed	Soil map and type for site.	
name, address and phone number.	Home construction phase detail.	
Inspector's Checklist.	**************************************	
SEDIMENT CONTROL PLAN	STORM DRAINAGE PLAN	
Existing & proposed topography.	Proposed method of outfall channel stabilization.	
Existing & proposed improvements.	Pipe outfall Q10 & velocity10 placed on drawing.	
100 year floodplain delineated.	Natural or designed channel below outfall structure	١.
Wetlands delineated.	PERMITS & LETTERS	
Proper identification of planned practices,	Storm water management letter.	
label sediment control.	Water Resources Administration permit/letter.	
Locations & methods of stabilization.	Corps. of Engineers permit/letter.	
Stockpile or borrow area. Stabilized construction entrance.	Notice of Intent Status / 1 acre or more.	
	NOTE: No fill or permenent structures permitted in 100 ye floodplein without prior MD WATER RESOURCES ADMINISTRATION approval.	er
LEGEND: V = ACCEPTED IN	NC = INCOMPLETE NA = NOT APPLICABLE	
0.444.574.70		
OMMENTS:		

OWNER/DEVELOPER, ENGINEER, DISTURBED AREA CERTIFICATION BLOCKS

OWNER/ DEVELOPER'S CERTIFICATION:	
I/We hereby certify that any clearing, grading, constru this plan and that any responsible personnel involved Attendance at a Maryland Department of the Environs sediment and erosion before beginning the project. I/I end of each working day, and that any needed mainte sediment control practices are left in operational conc onsite evaluation by the Catoctin/ Frederick Soil Conse	in this construction project will have a Certificate of ment approved training program for the control of We also certify that the site will be inspected at the nance will be completed so as to ensure that all dition. I/We authorize the right of entry for periodic
SIGNATURE OWNER/ DEVELOPER	DATE
PRINT NAME	TITLE
ENGINEER'S SIGNATURE	P.E. NO.
PRINT NAME	DATE
CERTIFICATION OF THE DISTURBED AREA QUANTITY	
hereby certify that the estimated total amount of are	a to be disturbed shown on these plans has been
computed toc.y. of excavation,	
disturbed as shown on these plans has been determine	ed to besquare feet, oracres.
ENGINEER'S SIGNATURE	P.E. NO.
PRINT NAME	DATE

CATOCTIN & FREDERICK SOIL CONSERVATION DISTRICT SIGNATURE BLOCKS

	Frederick Soil Conservation District
	Erosion and Sediment Control Plan Approval
	Ву:
	By: District Manager or Designee
	Date:Plan is valid for 2 years from date of approval
	SCD approval for sediment and erosion control is in
	accordance with the 2011 Maryland Standards and
	Specifications for Soil Erosion and Sediment Control
	and is contingent upon issuance of all applicable regulatory permits.
	5 880
	rated West of the Catoctin Mountains, in the Catoctin C rainage, will require the signature block below:
	rainage, will require the signature block below:
	rainage, will require the signature block below: Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval
	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval
	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval By: District Manager or Designee Date:
	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval By: District Manager or Designee
	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval By: District Manager or Designee Date:
AN (B) (B)	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval By: District Manager or Designee Date: Plan is valid for 2 years from date of approval SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and
NG (5) 194	Catoctin Soil Conservation District Erosion and Sediment Control Plan Approval By: District Manager or Designee Date: Plan is valid for 2 years from date of approval SCD approval for sediment and erosion control is in

*Signature blocks are required on cover sheet and on each page of project applicable to sediment and erosion control or storm water management review.

SEQUENCE OF CONSTRUCTION SAMPLE

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL CONTACT MISS UTILITY AT 800-257-7777, CITY OF FREDERICK ENGINEERING DEPT. AT 301-600-1405, AND SOIL CONSERVATION DISTRICT AT 301-695-2803 EXT 3 TO SET UP A PRE-CONSTRUCTION MEETING AT LEAST (5) DAYS PRIOR TO BEGINNING CONSTRUCTION. THE LIMITS OF DISTURBANCE SHALL BE STAKED IN THE FIELD PRIOR TO THE PRE-CONSTRUCTION MEETING. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS A RESULT OF THE PRECONSTRUCTION MEETING. A COPY OF THE NOTICE OF INTENT WILL NEED TO BE RECEIVED FROM MDE PRIOR TO THE START OF CONSTRUCTION.
- INSTALL/MAINTAIN STABILIZED CONSTRUCTION ENTRANCES AND PERIMETER CONTROLS AT LOCATIONS SHOWN ON PLANS, SEDIMENT AND EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO EXCAVATION, STOCKPILE LOCATIONS WILL BE DETERMINED IN THE FIELD AS NEEDED AND WILL BE LOCATED WITH A PERMITTED AREA.
- SAW CUT PAVEMENT AND COMMENCE CONSTRUCTION. REMOVE EXISTING CURB, INLET, SIDEWALK AND PAVEMENT PER PLAN AS SHOWN.
- INSTALL STORMDRAIN AND GRADE SWALE ALONG YELLOW SPRINGS ROAD, STABILIZE ALL DITCHES AS THEY ARE CONSTRUCTED AND ADD INLET PROTECTION AS STRUCTURES ARE BROUGHT UP TO GRADE.
- ONCE PROPOSED PAVED AREAS ARE TO SUBGADE, BEGIN CURB INSTALLATION AND PAVING OPERATIONS. INSTALL ADA RAMPS AND SIDEWALK.
- INSTALL RETAINING WALLS ALONG YELLOWSPRINGS ROAD PER PLANS. AND FINE GRADE SLOPE AND SWALE AS NEEDED AND STABILIZE
- UPON COMPLETEION OF CONSTRUCTION, REMEDIATE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
- UPON APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR. REMOVE SEDIMENT CONTROL
 DEVICES AND STABILIZE AREAS DISTURBED BY THEIR REMOVAL.

SEDIMENT AND EROSION CONTROL NOTE SAMPLE

SEDIMENT & EROSION CONTROL NOTES

- ALL SOIL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AND THE PROVISIONS OF THE APPROVED PLAN.
- ALL GRADING AND STABILIZATION SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, SECTION B — GRADING AND STABILIZATION" AND THE PROVISIONS OF THE APPROVED PLAN.
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (BMP'S) ARE TO BE CONSTRUCTED AND/OR INSTALLED PRIOR TO OR AT THE INITIATION OF GRADING IN ACCORDANCE WITH "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND THE APPROVED PLAN.
- 4. A GRADING UNIT IS THE MAXIMUM CONTIGUOUS AREA ALLOWED TO BE GRADED AT A GIVEN TIME AND IS LIMITED TO 20 ACRES. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GROOMING UNIT HAS BEEN STABILIZED AND APROVED BY THE SEDIMENT CONTROL INSPECTOR (APPROVAL AUTHORITY). UNLESS PHEOVED BY THE SEDIMENT APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.
- FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, TEMPORARY OR PERMANENT STABILIZATION MUST BE COMPLETED WITHIN:
 - A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
- STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 7 DAY STABILIZATION REQUIREMENT, AS WELL AS, STANDARD B—4—1 INCREMENTAL STABILIZATION AND STANDARD B—4—4 TEMPORARY STABILIZATION (AS APPLICABLE).
- ALL CONSTRUCTED CHANNELS AND SWALES SHALL HAVE SPECIFIED TREATMENT INSTALLED TO THE DESIGN FLOW DEPTH COMPLETED DOWNSTREAM TO UPSTREAM AS CONSTRUCTION PROGRESSES. AN INSTALLATION DETAIL SHALL BE SHOWN ON THE PLANS.
- ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS ARE TO BE SECRED AND MULCHED WITHIN 3 DAYS OF INITIAL BACKFILL UNLESS OTHERWISE SPECIESCO ON PLANS.
- ELECTRIC POWER, TELEPHONE, AND GAS LINES ARE TO BE COMPACTED, SEEDED, AND MULCHED WITHIN 3 DAYS AFTER INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
- 10. NO SLOPE SHALL BE GREATER THAN 2:1.
- 11. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
- AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY SEEDED AND MULCHED IN ACCORDANCE WITH PERMANENT SEEDING NOTES SHOWN HEREON.
- ALL SPOIL AND/OR BORROW MUST COME FROM AND GO TO A SITE WITH AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- CONTRACTOR TO ONLY OPEN UP LENGTH OF TRENCH THAT CAN BE CONSTRUCTED AND BACKFILLED IN ONE WORKING DAY IN PAYED AREAS.
- CONTRACTOR TO PLACE EXCAVATED MATERIALS IN A DUMP TRUCK AND HAUL TO AN APPROVED LOCATION TO WASTE MATERIALS IN PAVED AREAS.
- 17. IN AREAS WHERE THE CONSTRUCTION TAKES PLACE OUTSIDE OF THE EXISTING ROADBED, CONTRACTOR TO INSTALL SILT FENCE ALONG THE DOWNHILL SIDE OF THE TRENCH BEFORE BEGINNING CONSTRUCTION AND PLACE EXCAVATED MATERIAL FROM THE TRENCH ON THE UPHILL SIDE.
- IF DEWATERING OF THE TRENCH IS REQUIRED, CONTRACTOR TO PUMP WATER TO AN APPROVED DEWATERING DEVICE.
- CONTRACTOR TO SWEEP STREETS OF ANY DEBRIS OR SEDIMENTS CAUSED BY CONSTRUCTION OPERATIONS AND DISPOSE OF AT AN APPROVED LOCATION.
- CONTRACTOR TO STABILIZE ALL DISTURBED AREAS WITH SEED & MULCH OR APPROPRIATE STREET REPAIR.

SEDIMENT CONTROL/STORMWATER MANAGEMENT REQUIRED INSPECTION SAMPLE

*********NOTICE******

THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. THIS OFFICE ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THIS OFFICE RECCOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH OF THE REQUIRED INSPECTIONS.

TYPE OF INSPECTION	MISC. COMMENTS /INITIALS
. PRECONSTRUCTION MEETING	
2. COMPLETION OF SEDIMENT CONYTROL MEASURE	
(IF USING BASIN SEE #6 BELOW)	
3. PRIOR TO MODIFICATION OR REMOVAL OF SED. CONTRL.	
4. INFILTRATION SYSTEMS	
A. SITE READINESS PER SEQUENCE OF CONSTRUCTION	1
B. INFILTRATION AREA. PROTECTED FROM SESIMENTATION	
C. DIMENSIONS	
D. FILTRATING MATERIAL	1-
E. FILL MATERIAL	
F. SIZE, PLACEMENT, TYPE OF PIPING	
G. OBSERVATION WELL	
H. COVER/STABILIZATION	
5. OPEN CHANNEL FLOW ATTENUATION	
A. SITE READINESS PER SEQUENCE OF CONSTUCTION	
B. CROSS SECTION CONFORMANCE	
	W
D. STABILIZATION	
. RENTENTION/DETENTION STRUCTURES (BASIN/PONDS)	
A. SUBGRADE PREPARARTION	
1. CORE TRENCH	
2. SUITABLE MATERIAL/ COMPACTION	-
B. EMBANKMENT CONSTRUCTION	Section of the Control of the Contro
SUITABLE MATERIAL/COMPACTION	
2. SLOPE GRADE	
3. DIMENSIONS	
	-
CORRECT MATERIAL ONSITE	
2. SIZZING	-
3. ANTI-SEEP COLLARS	
4. ANTI-FLOTATION DEVICE	-
5. CONCRETE CRADLE (RCP ONLY)	
6. INSTALLATION /BAXKFILL/COMPACTION	
D. CONCCRETE STRUCTURES	-
1. FOOTER DEMINSONS	
REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT)	-
3. WEIR POUR/MATERIAL/SLUMP TEST	
4. FORM STRIP AND FINISHING	
E. IMPOUNDING AREA	1 March 1977 - 1977
1. LOW FLOW CHANNELS/STABILIZATION	
2. DEWATERING DEVICE	***************************************
3. EMERGENCY SPILLWAY	V4
4. EXTENDED DETENTION DEVICE	
F. OUTFALL AREA (LEVEL SPREADER, RIPRAP CHANNEL, ECT.,	
G. VEGETATIVE STABILIZATION	
H. MISCELLANEOUS	
n. miocellanteuro	00

UTILITY WORK AND SECONDARY UTILITY NOTES SAMPLE

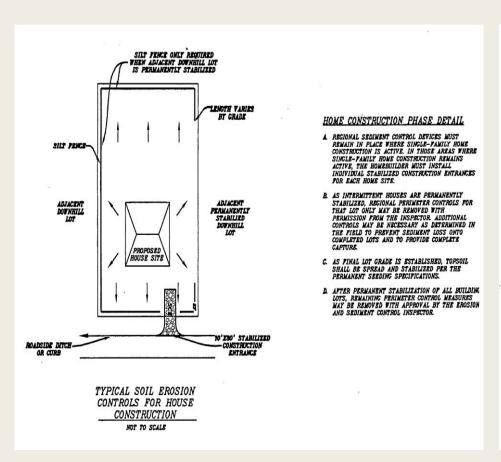
FOR UTILITY WORK ONLY OR FOR OFF-SITE UTILITY WORK

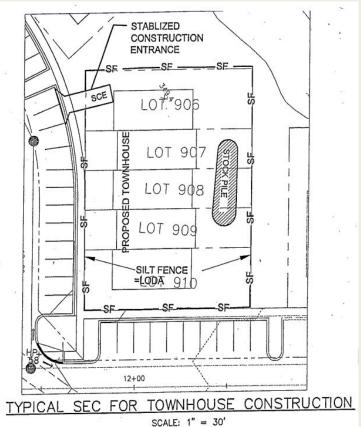
- 1. Disturbance outside of limit of disturbed area can not exceed 5,000 square feet.
- 2. Place all excavated material on high side of trench.
- 3. Only do as much work as can be done in one day so backfilling, final grading, seeding and mulching can occur.
- 4. Any sediment control measures disturbed by construction will be repaired the same day.

SECONDARY UTILITY NOTES

- All disturbances from secondary utilities such as phone, cable, electric cable, cable tv, etc.
 will be subcontractors' responsibility to bring work area back to grade level that was existing
 and seed and mulch any disturbance from installation of lines or conduit.
- Subcontractors will be responsible for re-installing or repairing any silt fence or sediment control that were existing to maintain proper sediment control that might have been damaged.

HOME CONSTRUCTION PHASE DETAIL SAMPLE





STANDARD DRAWING FOR ENGINEERING STRUCTURES OR REFERENCE TO SPECIFICATIONS

