



Queen Anne's Soil Conservation District

211 East Water Street
CENTREVILLE, MARYLAND 21617
410-758-1671 x3 FAX: 410-758-3820

April 23, 2012

TO: Engineers and Consultants serving the Queen Anne's County Community

Please note that the following is a copy of the requirements for submitting a Sediment and Erosion Control Plan to the Queen Anne's Soil Conservation District. The requirements stated within this package are based on State, County and District guidelines. As the engineer or consultant, it is your responsibility to follow the 2011 Maryland Standards and Specifications for Sediment and Erosion Control.

An Engineer's Transmittal letter and associated fee must accompany the plan in order for the plan to be reviewed.

The guidelines provided do not include the requirements for meeting Small Pond Approval or the USDA, Natural Resource Conservation Service (NRCS) Maryland Standards and Specifications – Pond, Code 378 (MD-378). Please be aware that the standards for MD-378 changed in February of 2000. Per Maryland state law, in addition to MD-378 a redline as-built should be submitted to the District for final processing of the pond permit.

ENGINEER'S TRANSMITTAL LETTER

**Queen Anne's Soil Conservation District
211 East Water Street
Centreville, MD 21617**

Tel: 410.758.3136 x3 Fax: 410.758.3820

1. Project Name: _____
2. Location: _____
3. Name of Subdivision: _____
4. Total site in acres: _____
5. Total disturbance in acres: _____
 - Areas to be structurally stabilized, in acres: _____
 - Areas to be vegetatively stabilized, in acres: _____
6. Are wetlands located on site or within 300' of the limits of disturbance? _____
 - Is the site located within the Chesapeake Bay Critical Area? _____
 - Is the site located within the 100-year floodplain? _____
 - Have you obtained a wetland JD? When (dates)? _____
7. What method will be used to handle Storm Water Management? _____

8. Is there a Forest Conservation Plan with this project? _____
(If so, provide this information with your plan)
9. Developers name: _____
Address: _____
Telephone No.: _____

10. Engineering Firm: _____
Address: _____
Telephone no.: _____
Contact Person: _____

BELOW THIS LINE FOR OFFICE USE ONLY

QASCD-_____ E-_____

Submittal Date: _____
Fee: _____
Method of Payment: _____
Received by: _____

Additional Fees: _____
Date: _____
Reason: _____

PLEASE NOTE: THIS FORM MUST BE INCLUDED WITH THE INITIAL SUBMITTAL OF A PLAN, OTHERWISE THE PLAN WILL BE RETURNED TO THE ENGINEER WITHOUT BEING REVIEWED.

Queen Anne's SCD would like to provide the following update as it regards to the State of Maryland General Permit for Stormwater Associated with Construction Activity (NPDES Number MDR10, State Discharge Permit Number 09GP).

The Maryland Department of the Environment began accepting Notices of Intent under the new general permit effective July 13, 2009.

A new requirement under the general permit requires that Erosion and Sediment Control Plans and Stormwater Management Plans include a written explanation that the above items were considered and incorporated in E&S and SWM design.

Therefore, please make note that ***effective immediately***, all plans submitted for Erosion and Sediment Control review and approval should include the following statement:

The following items have been addressed to meet the requirements of the GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (NPDES NUMBER MDR10, STATE DISCHARGE PERMIT NUMBER 09GP).

- 1.) utilization of environmental site design**
- 2.) maintenance of limits of disturbance to protect natural areas**
- 3.) control of construction equipment and vehicles**
- 4.) evaluation and appropriate limitation of site clearing**
- 5.) evaluation and designation of site area for phasing or sequencing**
- 6.) identification of soils at high risk for erosion and advanced stabilization techniques to be used**
- 7.) identification of steep slopes and designation of limitations on clearing them**
- 8.) evaluation and designation of stabilization requirements and time limits and protection measures for discharges to the Chesapeake Bay, impaired waters or waters with an established Total Maximum Daily Load (TMDL).**

Queen Anne's SCD would like to see this statement placed near, or associated with, the project's Phase of Construction.

Should you have any questions regarding this matter or other changes to the General Permit for Stormwater Associated with Construction Activity (NPDES Number MDR10, State Discharge Permit Number 09GP) you can visit the MDE website at:
http://www.mde.state.md.us/Permits/WaterManagementPermits/water_applications/gp_construction.asp

EROSION & SEDIMENT CONTROL PLAN CHECKLIST

QUEEN ANNE SOIL CONSERVATION DISTRICT
410-758-3136 ext. #3 410-758-3820 (fax)

When Submitting a Plan the following information must be included:

- 1. Engineer Transmittal Letter
- 2. Check based on the total area of disturbance.
- 3. Copy of Approved NPDES-NOI. (Area of Disturbance of NOI and E&S plan must match)
- 4. DNR Forest Conservation Plan.
- 5. Wetland JD or application. All wetlands & floodplains must be delineated on the plan.
- 6. Storm Water Management waiver from Public Works.
- 7. Any permits from the Maryland Department of the Environment (MDE) or the U.S. Army Corps of Engineers (COE).

On the Plan, include the following:

- 8. A separate sheet(s) that addresses Erosion & Sediment Control only.
- 9. Vicinity Map, Legend, North Arrow and Scale. Scale smaller than 1"= 50' will not be accepted.
- 10. Name, Address and Telephone number of contractor and developer.
- 11. Name, Address and Telephone number of landowner.
- 12. Name, Address and Telephone number of applicant.
- 13. Existing and proposed contours must be labeled. Contours must be shown 100' outside of the LOD.
- 14. Drainage area maps that show the maximum drainage that can travel to each sediment trapping device. (Include existing and proposed drainage patterns)
- 15. Limits of Disturbance (LOD) must be delineated.
- 16. All soil stockpiles must be delineated on the plan.
- 17. Details of Temporary and permanent stabilization including placement of the following statement on all plans:

"FOLLOWING INITIAL DISTURBANCE, PERMANENT OR TEMPORARY
STABILIZATION SHALL BE COMPLETED WITHIN 3 CALENDAR DAYS
ON ALL PERIMETER CONTROLS AND SLOPES GREATER THAN 3 TO 1,
AND 7 DAYS ON ALL OTHER DISTURBED AREAS ON THE SITE."

- 18. Design details of temporary and permanent controls.
- 19. A general description of the soils on the site.
- 20. Sequence of Construction to have site specific details and the following minimum information:
 - a. Notify MDE at 410-901-4020 two weeks prior to start of construction to request a pre-construction meeting.
 - b. Clearing/grubbing to install controls.
 - c. Construction of perimeter controls.
 - d. Construction of traps/basins.
 - e. Remaining clearing and grubbing.
 - f. Building construction/road grading.
 - g. Grading for the remainder of the site.
 - i. Final grading and stabilization.
 - j. Conversion/removal of Sediment Basins/Traps.
 - k. Clean site of all paper and debris.
 - l. Upon approval of the Sediment Control Inspector, remove temporary control measures.
- 21. Certification of owner or developer that all work will be done in accordance with the plan.
(Include typed/printed name, address and phone number)
- 22. Site analysis in acres.
- 23. Signed, dated and sealed by a professional engineer.

REVIEWED FOR THE QUEEN ANNE'S SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

APPROVED:

QUEEN ANNE'S SOIL CONSERVATION DISTRICT

DATE

NOTE: THE QUEEN ANNE'S SOIL CONSERVATION DISTRICT RESERVES THE RIGHT TO ADD, DELETE, MODIFY, OR OTHERWISE ALTER THE EROSION CONTROL PROVISIONS OF THIS PLAN IN THE EVENT ADDITIONAL PROTECTION BECOMES NECESSARY.

DEVELOPERS CERTIFICATION

- 1. I, HEREBY CERTIFY THAT ALL THE DEVELOPMENT AND/OR CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN OF EROSION AND SEDIMENT CONTROL.**
- 2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN. ANY CHANGE MADE IN THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL PLACE REPONSIBILITY FOR SAID CHANGE ON THE CONTRACTOR OR SUBCONTRACTOR.**
- 3. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.**
- 4. THE DEVELOPER WILL PROVIDE THE DISTRICT ONE COPY OF A RED LINE AS-BUILT DRAWING OF EACH FACILITY REQUIRING A STATE POND PERMIT.**

SIGNATURE

DATE

Printed Name: _____

SOIL CONSERVATION DISTRICT

EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS
FOR
VEGETATIVE STABILIZATION

- 1.) Contractor shall install soil erosion and sediment control devices prior to any grading. Following initial disturbance or re-disturbance, permanent or temporary stabilization shall be completed within three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes greater than three (3) horizontal to one (1) vertical (3:1) and seven (7) days as to all other disturbed or graded areas on the project site not under active grading.
- 2.) All temporary erosion and sediment control devices are to be provided as indicated on this plan, with location adjustments to be made in the field as necessary, and to be maintained at the end of each working day until project completion. The minimum area practical shall be disturbed for the minimal amount of time possible.
- 3.) Clearing and grubbing shall include all trees, brush, debris, root mat and organic materials to be removed.
- 4.) Temporary seeding shall be accomplished between February 15th through April 30th, or August 15th through November 30th. During other times, temporary mulching shall be provided.
- 5.) Temporary seeding shall conform to the following applications: 436 lbs. per acre of 10-20-20; 4,000 lbs. per acre of ground limestone, to be incorporated into the soil by disking or other suitable means. Annual ryegrass shall be applied at a rate of 50 lbs. per acre using suitable equipment. Mulching shall be accomplished immediately after seeding.

Seed Mixture (For Hardiness Zone 7a) (From Table B.1)					Fertilizer Rate (10-20-20)	Lime Rate
No.	Species	Appl. Rate (lbs./ac.)	Seeding Dates	Seeding Depths		
	ANNUAL RYEGRASS	50#	2/15 - 4/30 8/15 - 11/30	½"	436 lb/ac 10 lb/ 1000 sf	2 tons/ac 90 lb/ 1000 sf
	BARLEY	96#	2/15 - 4/30 / 8/15 - 11/30	1"		
	OATS	72#	2/15 - 4/30 / 8/15 - 11/30	1"		
	WHEAT	120#	2/15 - 4/30 / 8/15 - 11/30	1"		
	CEREAL RYE	112#	2/15 - 4/30 / 8/15 - 12/15	1"		
	FOXTAIL MILLET	30#	5/1 - 8/14	½"		
	PEARL MILLET	20#	5/1 - 8/14	½"		

- 6.) Mulching shall be unchopped, unrotted, small grain straw applied at a rate of 2-2½ tons per acre. Anchor mulch with a mulch anchoring tool on the Contour. Wood cellulose fiber may be used for anchoring straw at a rate of 750 lbs. per acre mixed with water at a maximum of 50 lbs. of wood cellulose fiber per 100 gals. of water, or with a synthetic liquid binder according to manufacturer recommendations. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1,500 lbs. per acre. Mix wood cellulose fiber with water to attain a mixture with a maximum of 50 lbs. of wood cellulose fiber per 100 gals. of water.
- 7.) Permanent seeding shall be accomplished between March 1st through May 15th, or August 15th through October 15th. Permanent seeding at other than specified times will be allowed only upon written approval. Permanent seeding shall conform to the following applications: Permanent seeding for sites having disturbed over five (5) acres shall use fertilizer rates recommended by a soil testing agency and the recommendations provided in the Permanent Seeding Summary Table. Permanent seeding for conditions other than listed above shall be performed at the rates and dates as provided in the Permanent Seeding Summary Table below. Fertilizer and lime amendments shall be incorporated into the top 3"-5" of the soil by disking or other suitable means. Mulching shall be accomplished as discussed in Item #6 of these specifications.

Seed Mixture (For Hardiness Zone 7a) (From Table B.3)					Fertilizer Rate (10-20-20)			Lime Rate
No.	Species	Appl. Rate (lbs./ac.)	Seeding Dates	Seeding Depths	N	P2O5	K2O	
7	CREEPING RED FESCUE	60#	3/1-5/15	¼"-½"	45 lb/ac 1 lb/ 1000 sf	90 lb/ac 2 lb/ 1000 sf	90 lb/ac 2 lb/ 1000 sf	2 tons/ac 90 lb/ 1000 sf
	KENTUCKY BLUEGRASS	15#	8/15-10/15					
8	TALL FESCUE	100#	3/1-5/15 8/15-10/15					
9	TALL FESCUE	60#	3/1-5/15	¼"-½"				
	KENTUCKY BLUEGRASS	40#	8/15-10/15					
	PERENNIAL RYEGRASS	20#						

- 8.) Any spoil or borrow will be placed at a site approved by the Soil Conservation District.
- 9.) All areas remaining or intended to remain disturbed for longer than seven (7) days, shall be stabilized in accordance with the USDA, Natural Resources Conservation Service Standards and Specifications for Soil Erosion and Sediment Control in developing areas for critical area stabilization.
- 10.) It will be the responsibility of the Contractor or Subcontractor to notify the Engineer of any deviation from this plan. Any change made in this plan without written authorization from the Engineer will place responsibility of said change on the Contractor or Subcontractor.

