

Maryland Society of Surveyors Storm Drain Review for Licensing Exam  
Instructor: James Whitehead

**DATES:** Saturday, March 6, 2010  
**TIME:** 8:00 AM - 5:00 PM  
**LOCATION:** Anne Arundel Community College  
**FEES:** ( ) \$ 150/Member of MSS  
( ) \$ 200/Non-member

**The Storm Drain Course will:**

1. Address ordinary culvert design typical to the exam
2. Address box culvert design typical to the exam.
3. Open Channel flow problems typical to the exam.
4. Closed piping problems, inlet design, HGL by SHA method typical to the exam.
5. Closed piping problems, inlet design, HGL by Baltimore County/Howard County method typical to the exam.
6. Formulas and computations typical to channel, pipes, weirs, and orifice computations will be discussed.
7. Overview of hydrology, TR-55, etc.
8. Street grade for vertical curves will be addressed with a hand out.

**The following Reference material is necessary:**

1. The SHA Drainage Manual
2. The Howard County Drainage Manual: see link-  
<http://www.co.ho.md.us/DPW/DOCS/DMV%20I%20Storm%20Drainage%202006.pdf>
3. The Baltimore County Drainage Manual: <http://www.baltimorecountymd.gov/>
4. A calculator (bring a box approved by the Board for the test, i.e. HP33 or HP 35, graph paper, scale, pencils, triangles.

✱ For more information, contact MSS at 800-303-6770 ✱

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**STORM DRAIN REVIEW REGISTRATION FORM**

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_  
Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_ Email \_\_\_\_\_

**Method of Payment:**

Check or Money Order (payable to MSS) ( ) \$150 /Member of MSS ( ) \$200/ Non-Member  
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Credit Card Account# \_\_\_\_\_ In the amount of \$ \_\_\_\_\_

Name appearing on card \_\_\_\_\_ Expiration date \_\_ / \_\_

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Return this Form with your credit card information or check to: MSS - PO Box 101, Cream Ridge, NJ  
08514-0101

- OR -

Fax your Registration Form with credit card information to 1-888-475-1858.