

# HOWARD SOIL CONSERVATION DISTRICT

9025 Chevrolet Drive, Suite J, Ellicott City, MD 21042 - Phone (410) 465-3180, FAX (410) 465-7403

## ENGINEERING NEWSLETTER

DECEMBER 1995

### TEMPORARY STORMWATER MANAGEMENT

Effective January 1, 1996, temporary stormwater management will be required on all drainage areas of 2 (two) acres or more. This is a change from the current requirement of 5 acres or more. Please note that this requirement is based on the drainage area, not the disturbed area. See the HSCD 10/8/91 Engineering Newsletter for waiver guidelines.

When addressing temporary stormwater management, you may use 1800 cubic feet per acre of drainage area for wet volume (sediment storage) instead of 3600. but 1800 cf/ac. must pass through a filterdevice.

### DIRECT SUBMITTALS TO THE HSCD

Please note that the HSCD has changed its standard technical review letter to allow for a direct submittal to the HSCD rather than needing to route the plan in question through the Department of Planning & Zoning. Remember that this does not constitute approval nor does it place the HSCD in a position to sign original mylars. Checking of this block allows the engineer to deal directly with the HSCD and thereby saves time in receiving approval. The HSCD is not bound to DPZ's schedule for the consultant's plan submission following their "technically complete" letter. The HSCD assigns a 12 working day turnaround time from the date of submission. Therefore, please resubmit early to avoid missing the DPZ deadline.



### TRUE OVERLAND Tc FLOWS

When performing TR20 and/or TR55 computations the HSCD cannot accept a Tc path showing a small area of woods or meadow in "heavily" zoned areas. If the applicant chooses to use this method, the HSCD must require that this area be broken out as a separate watershed. In general, please ensure the path is a true representative of the watershed and not just what produces the longest overland time.

### EXPOSED PVC PIPES IN PONDS

Feedback from those who maintain ponds explains that exposed and cantilevered PVC pipe is usually the first item to fail due to weathering, vandals and curious youths. Also, when frozen, the rising surface of the pond during a storm breaks off the plastic pipe, thereby rendering the non-clogging feature useless. Therefore, please do not use plastic for exposed sections of pipe, and provide support and anti-flotation measures for all cantilevered sections.

### PONDS IN SERIES

When pond sites have other ponds within their drainage area, the HSCD requires those routing effects of those upstream ponds to be ignored when performing the routing for the proposed pond. As there is no guarantee that the existing pond will remain and, because MD-378 requires proposed ponds be sized based on the ultimate zoning of upstream parcels, the HSCD will not allow the safety of a pond be predicated on the existence of upstream ponds.

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### DEWATERING DEVICES

Due to clogging problems at construction sites, the HSCD will be requiring the Standard Vertical Dewatering Device from the *1983 Standards and Specifications for Soil Erosion and Sediment Control* be used, thereby ensuring the "dry volume" is available before the next storm event. The Standard Vertical Dewatering Device in the *1994 Standards and Specifications for Soil Erosion and Sediment Control* will not be allowed as there have been clogging problems during construction when it has been used.

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### APPROVAL OF GRADING PLANS

The HSCD has been made aware of a section of the Subdivision Regulations which does not allow grading plans to be processed until either an approved road drawing (F plan) or an approved site development plan (SDP plan) has been prepared. As the HSCD does not have the ability to know when the Department of Planning & Zoning has approved either F or SDP drawings (those containing the Director's signature), effective immediately, the HSCD will require that **ALL** applicants for grading plans first visit the Department of Planning & Zoning to verify that either the appropriate F plan or SDP plan has been signed by the Department of Planning & Zoning Director. After receiving this verification from DPZ, the HSCD will follow normal routing and approval procedures for grading plans.

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### WATER & SEWER DRAWINGS

When construction for water & sewer lines goes outside limits of disturbance, for an approved SDP or F plan, the water & sewer plan must have its own sediment control provided and we must have a print for review and approval prior to signing the original.

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### EXCEPTIONS TO NEW STANDARDS AND SPECS

The following practices from the *1994 Standards and Specs...* will not be allowed in Howard County without prior HSCD approval:

1. Stone Check Dams
2. Stone Outlet Structures
3. Stormdrain Inlet Protection - divert storm drains to sediment traps where possible
4. Silt Fence Diversions

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### STANDARD DRAWINGS FROM MDE

Some of the Maryland Department of the Environment's standard sediment control details that are available on floppy disks do not match the standard drawings in the *1994 Standards and Specs...* Please use those that are in the *1994 Standards and Specs*.

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### NAME CHANGE REMINDER

Just a reminder that the USDA-Soil Conservation Service is now the **USDA-Natural Resources Conservation Service**. All certification blocks that have reference to Soil Conservation Service should be changed to the Natural Resources Conservation Service.

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### ANTI-SEEP COLLARS

The minimum two foot projection for the anti-seep collars is to be measured from the edge to the bottom and sides of the concrete cradle, not just the pipe.

