

# November 2015 Howard SCD Engineering Newsletter



## 100 year rainfall for MD-378 design

### Criteria



Per the previous Engineering Newsletter please begin using a 100 year rainfall of 8.1". All new rainfall data per NOAA 14 is already embedded within WINTR-55 and WINTR-20

## Stream Closures



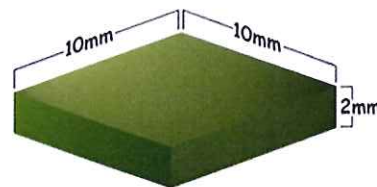
Please be sure to include stream closure dates in the Sequence of Construction when streams are being impacted by a proposed development.

## Computations to verify non-erosive velocities

Computations to verify non-erosive velocities as well as needed protection type are required. Please note this is a repeat from previous Engineering Newsletters.



## Please remember to dimension TGOS and TSOS



When providing either TSOS or TGOS, please be sure to provide computations verifying the needed dimensions of the structures as well as the required spacing for check dams.



## Fee Schedule

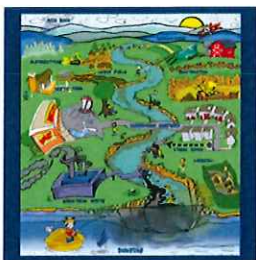
Please be aware that as of July 1<sup>st</sup>, 2015, the Howard SCD no longer collects the fees for plan review. All fees are paid to Howard County at the time of plan submission with the exception of grading plans (GPs) which are paid at Department of Inspections, Licenses and Permits at the time the permit is applied for.

## Signature Blocks and Certification Blocks



Please be sure to use the most current signature and certification blocks available on the Howard SCD website.

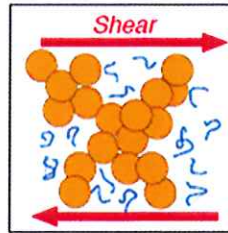
## Drainage Area Maps



Plans must provide a drainage area map specific to the proposed sediment controls is dependent upon the drainage area.

Combining drainage area map with a storm drain map is not acceptable. Please note this is a repeat from previous Engineering Newsletters. This is a requirement in the 2011 Standards and Specifications.

## Computations for Shear Stress



Please note the standard detail for both temporary and permanent soil stabilization matting (for slopes as well as swales) requires calculations to

be provided for shear stress. Please begin providing the required computations.

## Water and Sewer Drawings

Please begin citing Section 308 of the Howard County Design Manual for sediment control on water and sewer drawings.



## Erosion Control Matting

Please note: There is no condition where erosion control matting is not required in a diversion, swale, diversion fencing, etc. The computations are needed in order to verify whether temporary or permanent is required.

