

## **5.2 TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT**

**1. DESCRIPTION** - An aggregate area or pad located where vehicles enter and leave a construction site.

**2. PURPOSE** - To provide an area where vehicles can remove mud and sediment from their tires prior to driving on public streets. If used properly, it reduces the requirement to remove sediment from public streets, directs the majority of traffic to a single location, and provides protection for other BMPs on site through traffic control.

**3. APPLICATIONS** - Use wherever traffic will be leaving a construction site and moving directly onto a public road or an off-site paved surface. Primary installations include exits from storage areas, staging areas, truck haul routes, and borrow/spoil areas.

**4. LIMITATIONS** - Selection of the stone construction exit/entrance location is critical, since to be effective all traffic must use the area(s) to exit a site. The device is not suitable for use on long, linear projects unless there are designated points for controlled access. Contractors shall clean-up excessive stone from existing paved streets during the construction process.

### **5. DESIGN CRITERIA -**

**A. Minimum pad dimensions:** Width = 15 feet or total width of vehicle access, whichever is greater.

Length = 50 feet (Residential lots use 20')

Depth = 6 inches

**B. Grade:** Avoid grades steeper than 5% and grade to drain back on to the site or to another BMP to control off-site sedimentation.

**C. Location:** Locate the construction entrance/exit to limit the amount of sediment that leaves the construction site and to provide for maximum use by vehicles leaving the site. Do not place along curves in the public roadway.

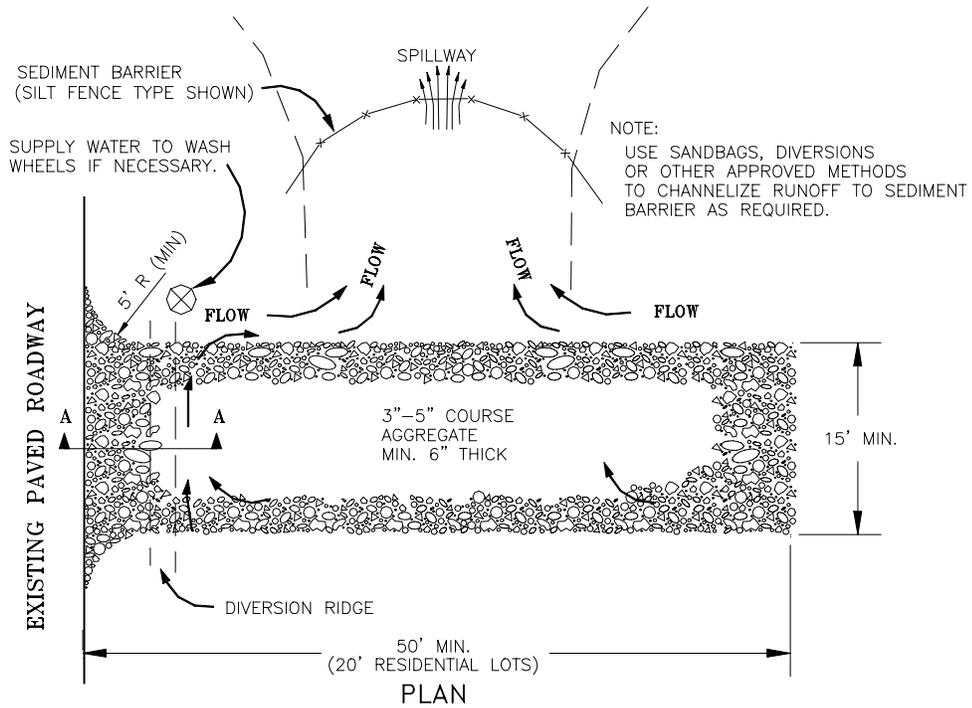
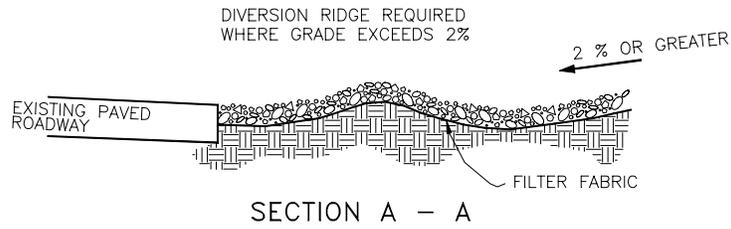
**D. Filter Fabric:** Shall be used for installations with a construction period of more than 6 months, where heavy truck traffic is anticipated daily, or very weak sub-grade soils are present.

### **6. MATERIAL SPECIFICATIONS -**

**A. Aggregate** - Natural stone or re-cycled concrete meeting the gradation requirements of NCTCOG Specification Item 2.1.8.(d). [3" -4" Diameter]

**B. Filter fabric** - NCTCOG Specification Item 2.23.3.

**7. MAINTENANCE REQUIREMENTS** - Inspections should be made weekly and after rainstorm events to ensure that the device is functioning properly. When sediment or mud has clogged the void spaces between the stones or mud is being tracked onto the public roadway the aggregate pad must be washed down or replaced. Runoff from the wash down operation shall not be allowed to drain directly off site without first flowing through another BMP to control off-site sedimentation. Periodic re-grading or the addition of new stone may be required to maintain the efficiency of the installation.



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