

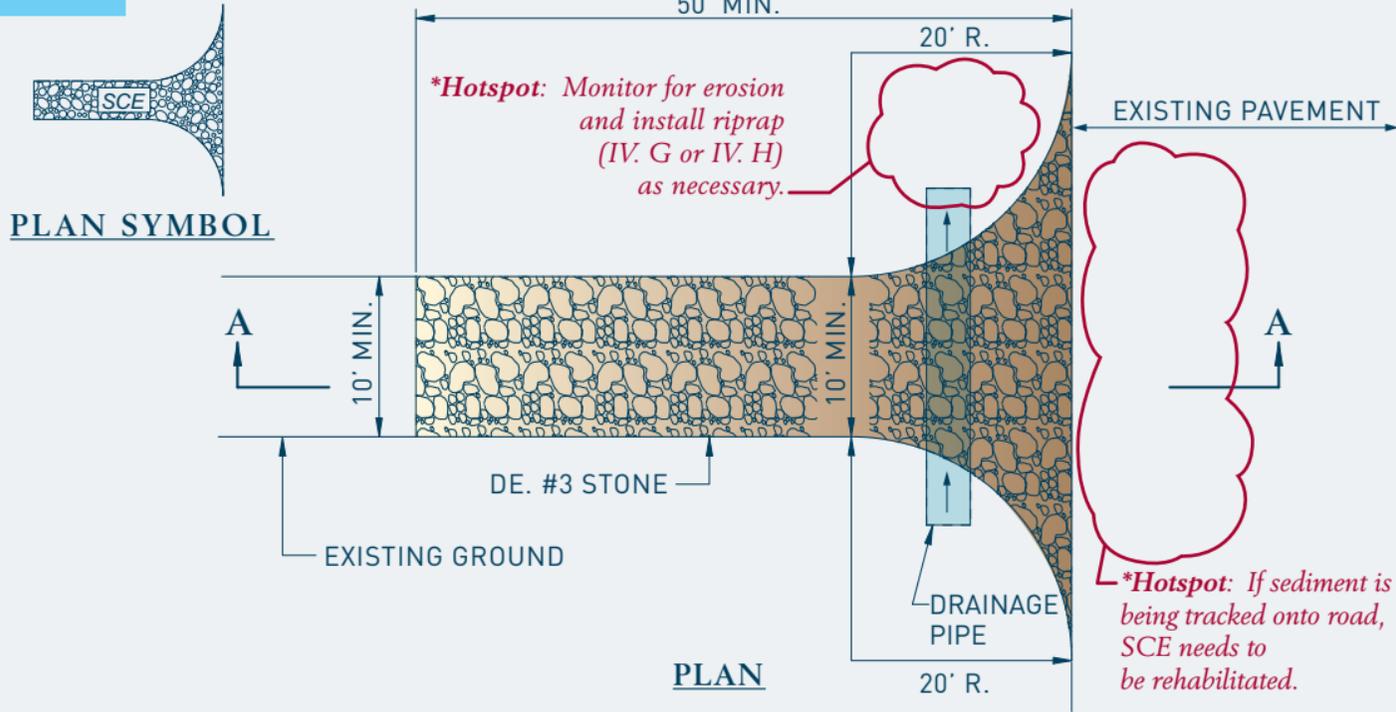


# EROSION & SEDIMENT CONTROL

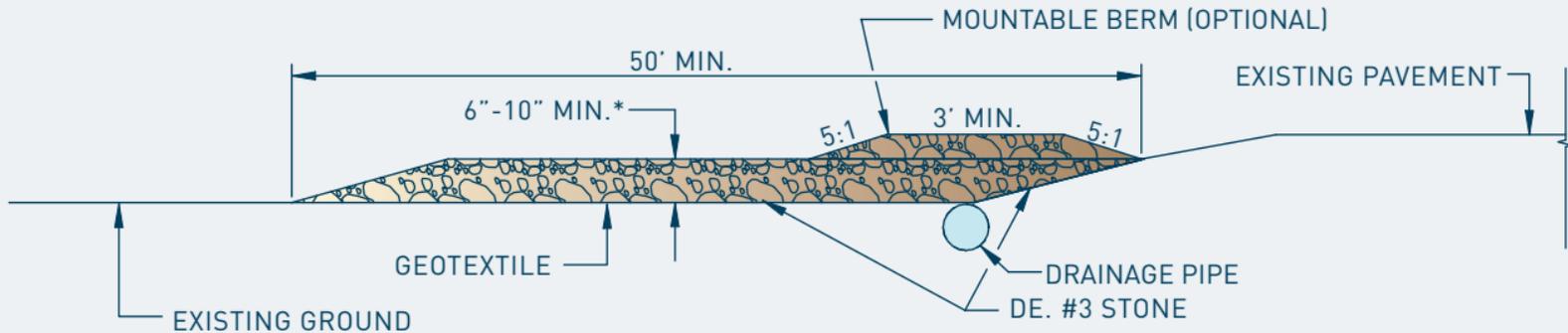
# FIELD GUIDE

II. CONSTRUCTION ACCESS  
AND EARTH MOVING

## II. CONSTRUCTION ACCESS AND EARTH MOVING



## II. CONSTRUCTION ACCESS AND EARTH MOVING



**SECTION A-A**

\* 6" MIN. ( $\leq$  3 AXLE)  
10" MIN. ( $>$  3 AXLE)

### NOTES:

1. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED UNDER THE ENTRANCE. IF NECESSARY, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE ALLOWED TO FACILITATE PLACEMENT OF PIPES IN SHALLOW CONDITIONS.
2. THE LOCATION AND NUMBER OF STABILIZED CONSTRUCTION ENTRANCES SHALL BE AS INDICATED ON THE PLANS. ANY CHANGE IN LOCATION, ADDITION, OR DELETION OF AN ENTRANCE SHALL BE APPROVED IN ADVANCE BY THE ENGINEER.
3. DRAINAGE PIPE, IF UTILIZED, SHALL BE PAID FOR SEPARATELY UNDER THE APPROPRIATE BID ITEM.
4. THE TOP 2" OF STONE SHALL BE REMOVED AND REPLACED WITH 2" OF CLEAN STONE WHEN VOIDS ARE FILLED OR AS DIRECTED BY THE ENGINEER.

## II. CONSTRUCTION ACCESS AND EARTH MOVING

### II.A - Maintenance

- The Contractor shall leave all paved surfaces adjoining the Project limits free of accumulated sediment at the end of each workday. The Contractor may utilize any means and methods available to remove sediment provided the cleaning operation itself does not violate water or air pollution laws of the State.
- After heavy use and after each rain, the Contractor shall inspect the stabilized construction entrance to ensure proper functioning. When the voids in the stone pad are filled, the Contractor shall rake the surface to reestablish the voids in the stone pad. If sedimentation of the entrance is severe, and the raking is unsuccessful in restoring void space, the Contractor shall replace the top 2" (50 mm) of the stone with 2" (50 mm) of clean Delaware No. 3 stone.
- If the Contractor chooses to clean construction vehicle wheels to remove sediment prior to entering public rights-of-way, the cleaning shall be done in aggregate stabilized areas that drain into approved sediment trapping devices. All sediment shall be prevented from entering storm drains, ditches, or watercourses.



### II. A. Stabilized Construction Entrance

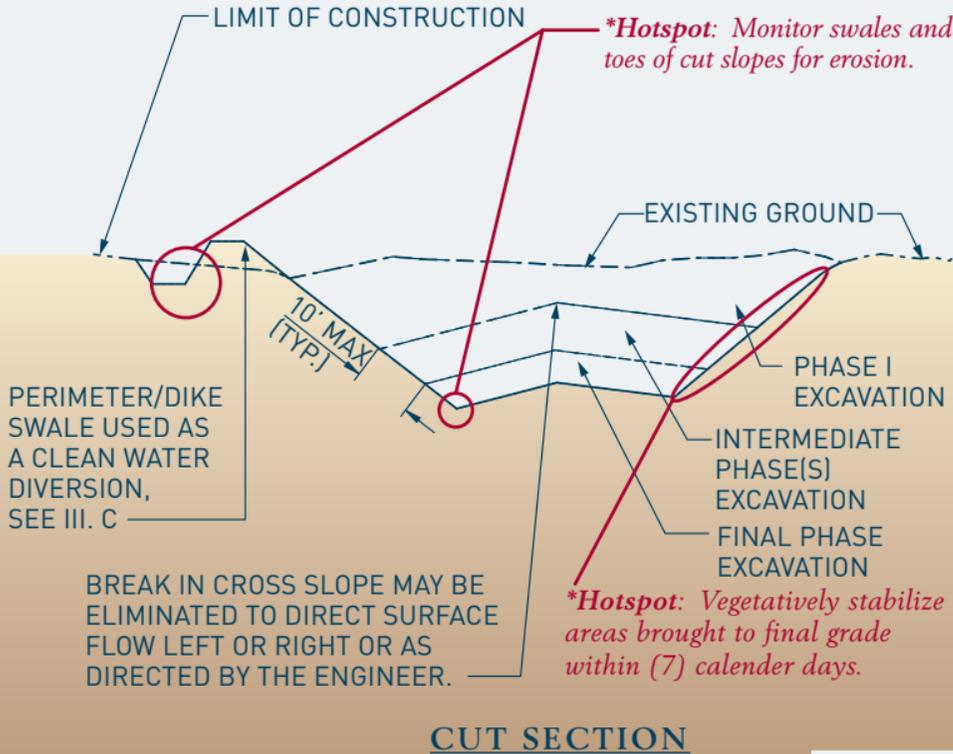
## II. CONSTRUCTION ACCESS AND EARTH MOVING



*Sediment tracking.*

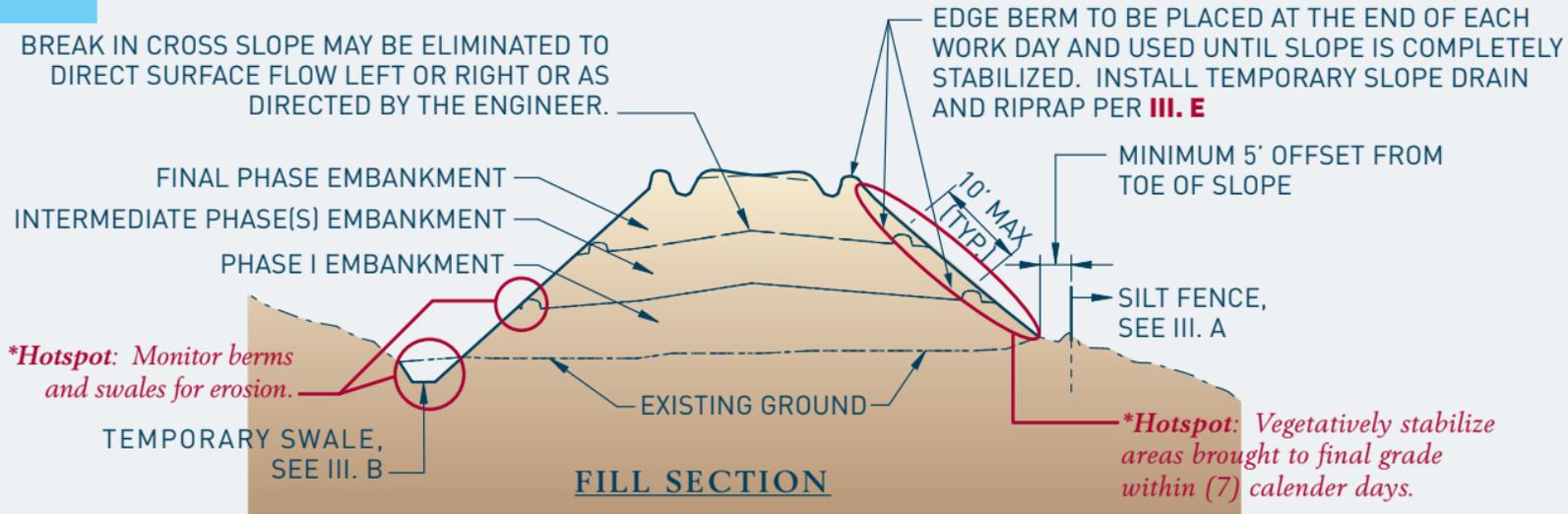
*SCE needs rehabilitation.*

## II. CONSTRUCTION ACCESS AND EARTH MOVING



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BREAK IN CROSS SLOPE MAY BE ELIMINATED TO DIRECT SURFACE FLOW LEFT OR RIGHT OR AS DIRECTED BY THE ENGINEER.



### NOTES:

1. EDGE BERMS AND TEMPORARY SLOPE DRAINS SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SLOPES TO INTERCEPT RUNOFF AND CONVEY IT DOWN THE SLOPE FACES WITHOUT CREATING GULLIES OR WASHOUTS.
2. SLOPE FACES SHALL BE TRACKED WITH CLEATED EQUIPMENT SUCH THAT THE CLEAT MARKS ARE ORIENTED HORIZONTALLY.
3. ALL CUT AND FILL SLOPES OF THE HIGHWAY EMBANKMENT SHALL BE PERMANENTLY STABILIZED AS THE WORK PROGRESSES IN INCREMENTS NOT TO EXCEED 10' MEASURED ALONG THE SLOPE.
4. CROSS SLOPES SHALL BE 2% MINIMUM, 6% MAXIMUM.

## II. CONSTRUCTION ACCESS AND EARTH MOVING

### II.C – Stockpiling

Erodible earth material designated on the Plans or required by the Engineer to be excavated and temporarily stockpiled for later use in the project shall be located away from live streams and wetlands and placed only in areas deemed appropriate by the Engineer.

The Contractor shall install the erosion and sediment control items designated on the Plans or as directed by the Site Reviewer and the Engineer about the base of the pile in advance of the actual stockpiling operation. Erodible earth material shall be placed in piles of neat conformations. Side slopes shall be seeded and mulched as the pile is placed. All remaining unstabilized surfaces shall be seeded and mulched immediately following completion of the stockpiling operation.

If the Contractor proposes to stockpile erodible earth material in areas not designated on the Plans, it shall be the Contractor's responsibility to prepare and submit erosion and sediment control plans for those proposed areas, which are located within Department rights-of-way and easements for approval by the Site Reviewer and the Engineer.

Materials shall not be stockpiled until an erosion and sediment control plan for the proposed stockpile has been approved by the Site Reviewer and the Engineer. The Contractor is also responsible for getting any permits that are necessary.

If the Contractor proposes to stockpile erodible earth material in areas outside of Department rights-of-way and easements, it shall be the Contractor's responsibility to prepare and submit for approval a plan for the use of the proposed site to the appropriate agencies having jurisdiction. No stockpiling operation shall commence in areas outside the Department rights-of-way and easements until the Engineer has received copies of all plans and permits approved by the appropriate regulatory agencies and received copies of statements signed by the property owners, as required under Subsection 110.07, which release the Department from any claims arising from the use of the property. The Contractor shall be responsible for all costs associated with the installation of erosion and sediment controls required by other agencies having jurisdiction on stockpiles located outside the Department's rights-of-way.

## II. CONSTRUCTION ACCESS AND EARTH MOVING

