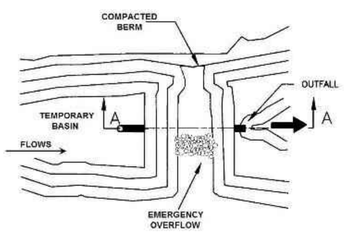
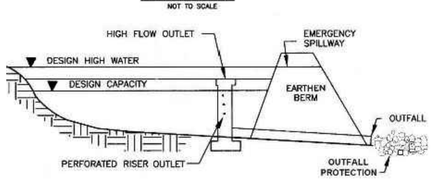
SEDIMENT BASIN

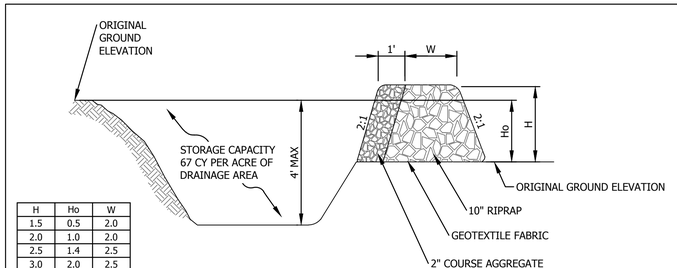
SEDIMENT BASINS, LIKE SEDIMENT TRAPS, SHALL BE SIZED ACCORDING TO DRAINAGE AREA. SEDIMENT BASINS ARE DESIGNED LARGER FOR GREATER DRAINAGE AREAS. ASIDE FROM BEING LARGER, SEDIMENT BASINS HAVE A PERFORATED RISER PIPE AS THE PRIMARY DISCHARGE FEATURE AND SECONDARY OVERFLOW PIPE FOR EMERGENCY DISCHARGE. PERMANENT PONDS OFTEN FUNCTION AS SEDIMENT BASINS DURING CONSTRUCTION, UNTIL THEY ARE FULLY COMMISSIONED AS THEIR LONG-TERM, STORM WATER MANAGEMENT USE.



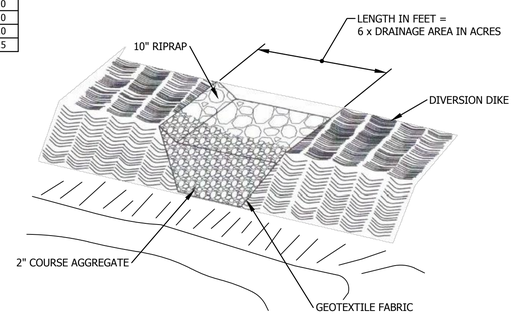
PLAN VIEW
NOT TO SCALE



CROSS SECTION A
NOT TO SCALE



H	Ho	W
1.5	0.5	2.0
2.0	1.0	2.0
2.5	1.4	2.5
3.0	2.0	2.5
3.5	2.5	3.0
4.0	3.0	3.0
4.5	3.5	4.0
5.0	4.0	4.5



TEMORARY SEDIMENT TRAP NOTES:

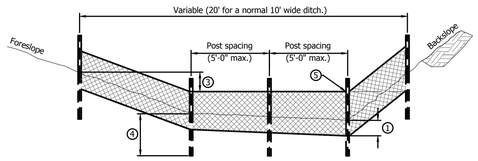
1. THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT.
2. FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHOULD BE COMPACTED IN 6" LIFTS BY TRANSVERSING WITH CONSTRUCTION EQUIPMENT.
3. THE EARTHEN EMBANKMENT SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATION IMMEDIATELY AFTER INSTAQLLATION.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT TO MINIMIZE EROSION AND WATER POLLUTION.
5. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE UPSLOPE DRAINAGE AREA HAS BEEN STABILIZED.
6. ALL CUT AND FILL SLOPES SHALL BE 2H:1V OR FLATTER EXCEPT FOR EXCAVATED, WET STORAGE AREAS WHICH MAY BE AT A MAXIMUM OF 1H:1V GRADE.

MAINTENANCE:

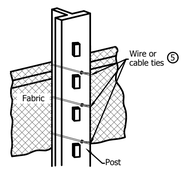
CHECK SEDIMENT TRAP AFTER PERIODS OF SIGNIFICANT RUNOFF. REMOVE SEDIMENT AND RESTORE THE TRAP TO IT'S ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO 20% OF THE DESIGN DEPTH. CHECK THE EMBANKMENT AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM OUTLET AND POOL AREA.

SEDIMENT TRAP DETAILS ARE SCHEMATIC IN NATURE. SEE EROSION CONTROL PLAN FOR SPECIFIC SITE ARRANGEMENT.

B SEDIMENT TRAP DETAIL
NTS



TYPICAL SILT FENCE DITCH CHECK

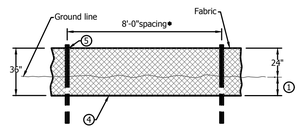


ATTACHMENT TO POST

GENERAL NOTES:

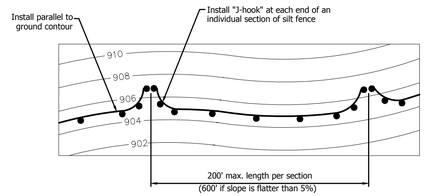
Install silt fence according to the requirements of Section 9040, 3.07 and at locations shown in the contract documents or as directed by the Jurisdictional Engineer.

1. Insert 12 in. of fabric a minimum of 6 in. deep (fabric may be folded below the ground line)
2. Compact ground by driving along each side of the silt fence as required to sufficiently secure the fabric in the trench to prevent pullout and flow under the fence.
3. In ditches, extend silt fence up side slope so the bottom elevation at the end of the fence is a minimum of 2 in. higher than the top of the fence in the low point of the ditch.
4. Steel posts to be embedded 20 in. unless otherwise allowed by the Jurisdictional Engineer.
5. Secure top of engineering fabric to steel posts using wire or plastic ties (50 lb. min.). See details of "Attachment to Posts."

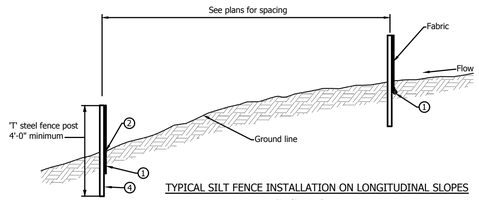


DETAILS OF SILT FENCE ON LONGITUDINAL SLOPES
*Reduce post spacing to 5'-0" at water concentration areas, or as required to adequately support fence

SILT FENCE
NOT TO SCALE



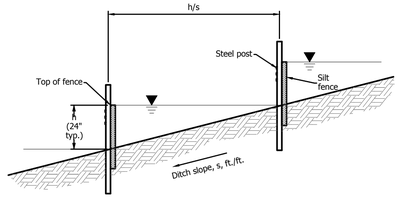
TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES
(Plan View)



TYPICAL SILT FENCE INSTALLATION ON LONGITUDINAL SLOPES
(Profile View)

GENERAL NOTES:

This figure depicts the typical spacing for check dams. Space check dams in accordance with this figure, unless indicated otherwise in the contract documents.



SILT FENCE CHECK DAM (DITCH CHECK)

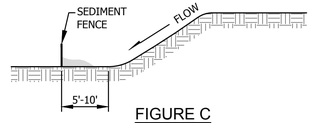


FIGURE C

CHECK DAM SPACING
NOT TO SCALE