

EC-16

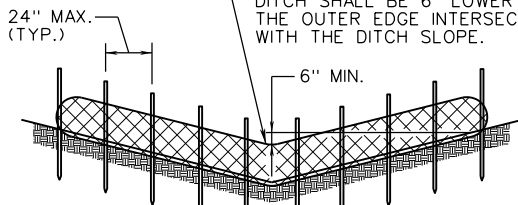
2 STAKES INSTALLED ON UPSTREAM SIDE AT EACH END OF SRR

STAKES SHALL BE INSTALLED 24" O.C. MAX FOR THE ENTIRE LENGTH OF THE TEMPORARY CHECK DAM.

TOE OF DITCH

MINIMUM OF 4 STAKES WHEN DOWNSTREAM SRR IS 48" OR LESS IN LENGTH.

TOP OF CHECK DAM AT CENTER OF DITCH SHALL BE 6" LOWER THAN THE OUTER EDGE INTERSECTION WITH THE DITCH SLOPE.

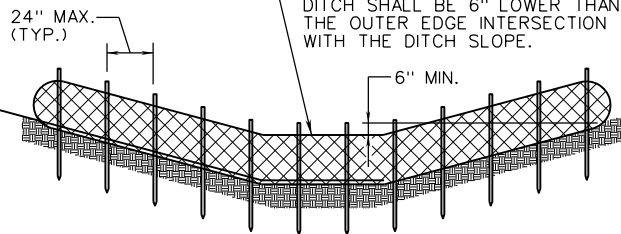


SECTION A-A
V DITCH

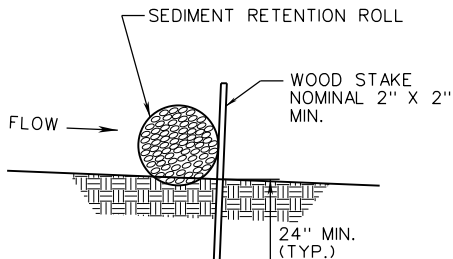
SLOPE *	TEMPORARY CHECK DAM SPACING (FT.)		
	SEDIMENT RETENTION ROLL DIAMETER (IN.)	20"	18"
≤ 2%	75'	66'	41'
3%	50'	44'	27'
4%	37'	33'	N/A
5%	30'	26'	N/A
> 5%	25'	N/A	N/A

* (LONGITUDINAL DITCH SLOPE)

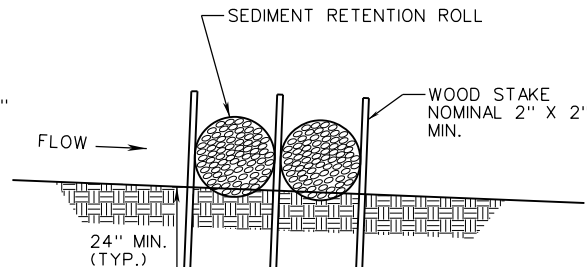
TOP OF CHECK DAM AT CENTER OF DITCH SHALL BE 6" LOWER THAN THE OUTER INTERSECTION WITH THE DITCH SLOPE.



SECTION A-A
TRAPEZOIDAL DITCH



SECTION B-B



SECTION C-C

NOTES:

- TEMPORARY CHECK DAMS SHALL BE CONSTRUCTED WITH SEDIMENT RETENTION ROLLS (SRR) WHICH INCLUDE COMPOST FILTER SOCKS AND SEDIMENT TUBES, UNLESS SPECIFICALLY NOTED.
- COMPOST FILTER SOCKS USED IN TEMPORARY CHECK DAM APPLICATIONS MAY REMAIN IN PLACE TO BIODEGRADE. ALL NON-BIODEGRADABLE MATERIAL AND STAKES SHALL BE REMOVED AFTER STABILIZATION IS COMPLETE.
- SEDIMENT TUBES AND STAKES USED IN TEMPORARY CHECK DAM APPLICATIONS SHALL BE REMOVED AFTER STABILIZATION IS COMPLETE.
 - SEDIMENT TUBES CONTAINING BIODEGRADABLE MATERIALS MAY BE CUT OPEN AND THE FILL MATERIAL SPREAD ON THE SITE. ALL NON-BIODEGRADABLE MATERIAL SHALL BE REMOVED.
 - SEDIMENT TUBES CONTAINING NON-BIODEGRADABLE MATERIAL SHALL BE REMOVED.
- ONLY SEDIMENT RETENTION ROLL PRODUCTS LISTED ON THE VDOT APPROVED PRODUCTS LIST MAY BE USED.
- SEDIMENT RETENTION ROLLS USED FOR TEMPORARY CHECK DAMS WILL BE PAID IN ACCORDANCE WITH SECTION 303 OF THE SPECIFICATIONS.
- SEDIMENT SHALL BE REMOVED FROM BEHIND THE TEMPORARY CHECK DAM WHEN IT HAS ACCUMULATED TO ONE-HALF THE EXPOSED HEIGHT OF THE STRUCTURE AND PAID FOR AS SEDIMENT REMOVAL PER CUBIC YARD.
- ALL STAKES SHALL BE DRIVEN 24" MIN. INTO THE GROUND AND SHALL EXTEND 6" ABOVE THE SRR. WOODEN STAKES SHALL BE OAK AND HAVE NOMINAL DIMENSIONS OF 2" BY 2". STEEL STAKES SHALL HAVE A MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT.
- IF MORE THAN ONE SRR IS USED TO CONSTRUCT THE TEMPORARY CHECK DAM, THE TUBES SHALL BE OVERLAPPED A MINIMUM OF 24" TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE JOINT.
- TEMPORARY CHECK DAMS SHALL NOT BE USED ON PAVEMENT, ROCKY SOILS, OR AT ANY OTHER LOCATION WHERE THE STAKES CANNOT BE DRIVEN TO THE REQUIRED DEPTH.
- TOP OF CHECK DAM AT CENTER OF DITCH SHALL BE 6" LOWER THAN THE OUTER EDGE INTERSECTION WITH THE DITCH SLOPE.
- TEMPORARY CHECK DAMS ARE LIMITED TO DITCH DEPTHS OF 2' WHEN USED IN TRAPEZOIDAL DITCHES.
- SEDIMENT RETENTION ROLLS SHALL BE EMBEDDED INTO THE DITCH 2" EXCEPT WHEN PLACED OVER STANDARD EC-2 OR EC-3 LINED DITCH.
- STACKING SEDIMENT RETENTION ROLLS TO MEET THE REQUIRED TEMPORARY CHECK DAM HEIGHT IS NOT PERMITTED.



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

113.20

NEW 04/19

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.

TEMPORARY CHECK DAM

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

107
244
303