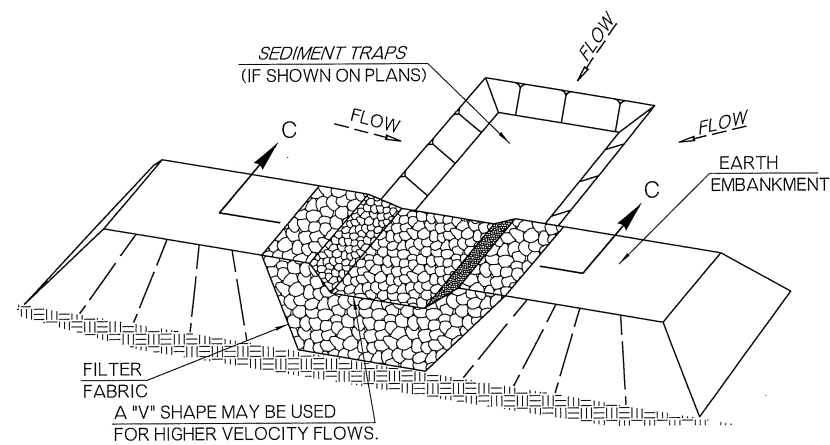
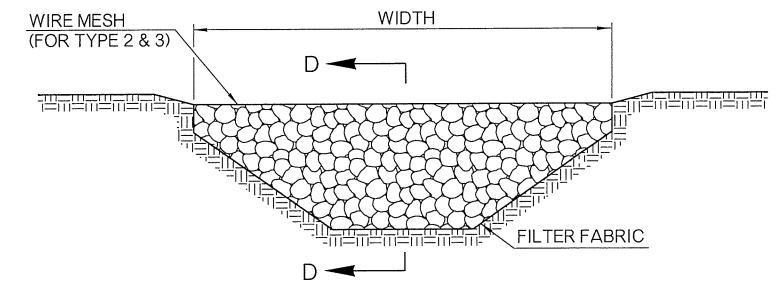


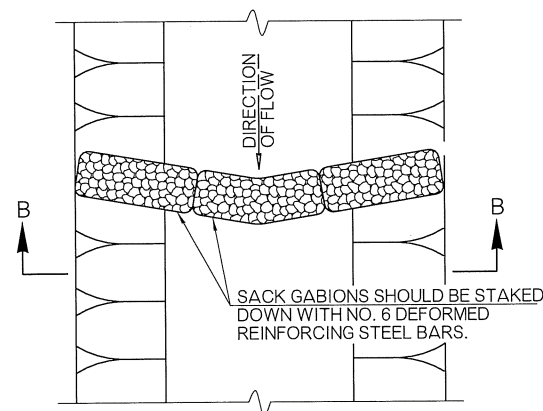
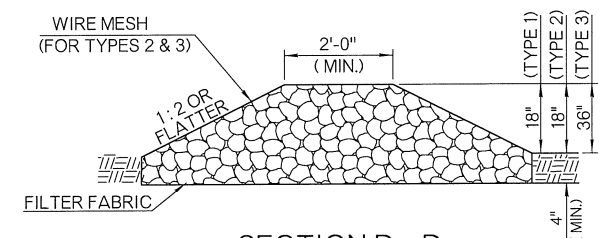
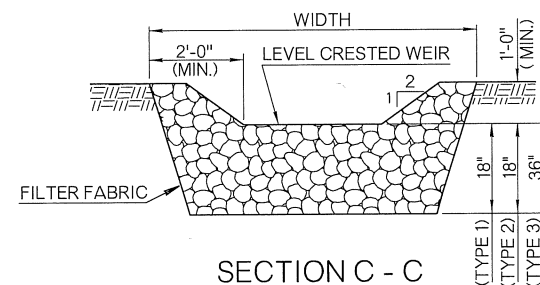
FILTER DAM AT TOE OF SLOPE
CAN BE USED WHEN TEMPORARY SILT FENCE IS NOT ADEQUATE FOR CONDITIONS. USED WITH ROCK FILTER DAM (TYPE 1) ONLY. ESTIMATED QUANTITY = 0.28 C.Y. PER FOOT OF LENGTH.



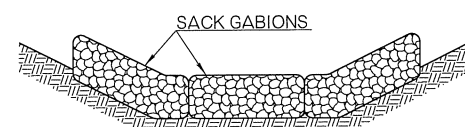
FILTER DAM AT SEDIMENT TRAP



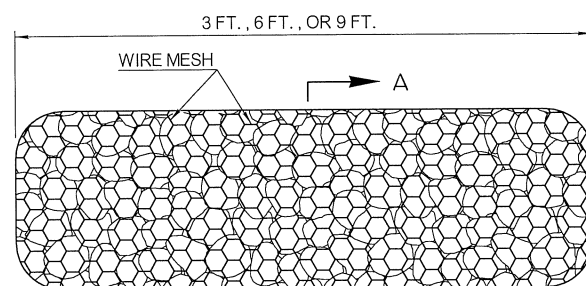
FILTER DAM AT CHANNEL SECTION



PLAN VIEW

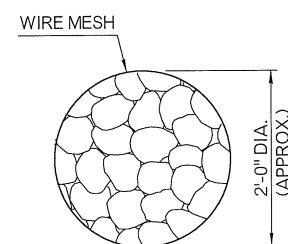


SECTION B - B



SACK GABIONS

ROCK FILTER DAM (TYPE 4)



SYMBOL TO BE USED TO DENOTE
DEVICE ON PLANS



ROCK FILTER DAM USAGE GUIDELINES

ROCK FILTER DAMS SHOULD BE USED WHEN SIGNIFICANT AMOUNTS OF SEDIMENT ARE ANTICIPATED, TO DISSIPATE THE ENERGY OF FLOWING WATER AND COLLECT SEDIMENT NEAR THE TOE OF SLOPES, AT UPSTREAM AND DOWNSTREAM DRAINAGE STRUCTURES, IN ROADWAY DITCHES AND IN SMALL CHANNELS, AS SHOWN IN PLANS OR AS DIRECTED BY THE ENGINEER.

TYPE 1 (18 IN. HIGH WITH NO WIRE MESH) : TYPE 1 SHOULD BE USED AT THE TOE OF SLOPES, AROUND INLETS, IN SMALL DITCHES AND AT DIKE OR SWALE OUTLETS. THIS TYPE OF DAM IS RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA OF 5 ACRES OR LESS. TYPE 1 SHOULD NOT BE USED IN CONCENTRATED HIGH VELOCITY FLOWS (APPROX. 7.9 FT./SEC. OR MORE) IN WHICH ROCK WASH OUT MAY OCCUR. SANDBAGS MAY BE USED AT THE EMBEDDED FOUNDATION (4 IN. DEEP (MIN.) FOR BETTER FILTERING EFFICIENCY OF LOW FLOWS.

TYPE 2 (18 IN. HIGH WITH WIRE MESH) : TYPE 2 SHOULD BE USED IN DITCHES AND AT DIKES OR SWALE OUTLETS.

TYPE 3 (3 FT. HIGH WITH WIRE MESH): TYPE 3 SHOULD BE USED IN STREAM FLOW AND SHOULD BE SECURED TO THE STREAM BED.

TYPE 4 (SACK GABIONS) : TYPE 4 SHOULD BE USED IN DITCHES AND SMALLER CHANNELS TO FORM AN EROSION CONTROL DAM.

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 ODOT STANDARD SPECIFICATIONS.
2. MATERIALS SPECIFICATIONS FOR FILTER FABRIC, STONE FILL FOR GABIONS (ROCK)AND WIRE MESH, SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION SECTIONS 712.02, 713.03 AND 732.09, RESPECTIVELY.
3. SPECIFIC DIMENSIONS OF ROCK FILTER DAMS OR SEDIMENT TRAPS SHALL BE SHOWN ON THE PLANS.
4. ROCK FILTER DAM TYPES 2 & 3 SHALL BE SECURED WITH WIRE MESH. THE ROCK SHALL BE PLACED ON THE MESH TO THE HEIGHT & SLOPES SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE ROCK AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS. IN STREAM USE, THE MESH SHALL BE SECURED OR STAKED TO THE STREAM BED PRIOR TO ROCK PLACEMENT.
5. A MINIMUM DISTANCE OF 12 INCHES SHALL BE MAINTAINED BETWEEN TOP OF ROCK FILTER DAM WEIR AND TOP EMBANKMENT FOR FILTER DAMS AT SEDIMENTATION TRAPS. ROCK FILTER DAMS SHALL BE EMBEDDED A MINIMUM OF 4 INCHES INTO THE EXISTING GROUND.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
221 (G)	TEMPORARY ROCK FILTER DAM (TYPE 1)	CY
221 (G)	TEMPORARY ROCK FILTER DAM (TYPE 2)	CY
221 (G)	TEMPORARY ROCK FILTER DAM (TYPE 3)	CY
221 (G)	TEMPORARY ROCK FILTER DAM (TYPE 4)	CY

COST OF FILTER DAM (ALL TYPES) TO INCLUDE ALL MATERIAL AND LABOR REQUIRED FOR CONSTRUCTION.

APPROVED BY
ROADWAY ENGINEER

ROADWAY DESIGN DIVISION STANDARD

TEMPORARY ROCK FILTER DAMS