NOTE

1. SEE THE GENERAL NOTES FOR PERMANENT EROSION CONTROL STANDARD DRAWINGS ON 212-10.

2. PLACE STONE FILTER DAMS WHERE UPHILL GRADIENT EROSION IS ANTICIPATED, SUCH AS AT THE TIP OF SLOPES, UPSTREAM OF DRAINAGE STRUCTURES, OUTSIDE DRAINAGE STRUCTURES, OR SDM IN ROADWAY DITCHES AND IN CHANNELS.

3. DIRECT THE OUTLET SIDE OF STONE FILTER DAMS INTO A STABILIZED AREA SUCH AS VEGETATION, STONE OR DIRT.

4. ENCLOSE STONE FILTER DAMS A MINIMUM OF 4 INCHES INTO THE EXISTING GROUND OR EMBANKMENT.

5. ENSURE WEIR, BERM AND DRAIN SIDE SLOPES ARE 3:1 OR FLATTER. ENSURE BERM, WEIRS AND DAMS WITHIN THE CLEAR ZONE HAVE SLOPES OF 1:2 OR FLATTER UNLESS SHIELDED.

6. USE FILTER BARS ON SLOPE TIES AROUND INLETS IN SHALLOW DITCHES, AND AT DRAIN AND SWALE OUTLETS. THIS TYPE OF STONE FILTER BERM IS RECOMMENDED TO CONTROL SEDIMENT FROM A DRAINAGE AREA OF 1 ACRES OR LESS. DO NOT USE FILTER BARS IN CONCENTRATED HIGH VELOCITY FLOWS GREATER THAN BFT/SEC, WHERE AVERAGE WASHOUT MAY OccUR. ENSURE SLOPES AT THE FILTER BARM EDGES 3:1 OR MORE FOR BETTER FILTERING EFFICIENCY WHEN OPERATED.

7. USE FILTER WEIRS, BARS, OR BOTH IN DITCHES AND AT DRAIN AND SWALE OUTLETS.

8. ENSURE FILTER WEIRS HAVE A MINIMUM OF 1.5 FT DISTANCE BETWEEN THE TOP OF WEIR AND THE TOP OF THE EMBANKMENT. THE "V" NOTCHED WEIR IS INTENDED TO BE USED ON HIGH VELOCITY FLOWS GREATER THAN BFT/SEC.

9. SECURE FILTER WEIRS AND DAMS WITH 20 GAUGE GALVANIZED WIRE MESH WITH INTERLOCKING HEXAGONAL OPENINGS. PLACE THE STONE IN THE WIRE MESH TO THE HEIGHT AND SLOPE SPECIFIED. THE MESH SHOULD BE FIXED AT THE UPSTREAM SIDE OVER THE AGGREGATE AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES, OR HOG RINGS.

10. CONSTRUCT FILTER DAMS DOWNSTREAM FROM THE DRAINAGE AREAS TO INTERCEPT SEDIMENT FROM OVERLAPPING STREAM FLOW. BOTH DAMS SHOULD BE SIZED TO FILTER A MAXIMUM FLOW RATE OF 60 CFS PER LINEAR FOOT OF DAM WIDTH. USE A FIVE YEAR FLOOD FREQUENCY TO CALCULATE THE FLOW RATE.

11. USE FILTER DAMS IN STREAMS AND CHANNELS. SECURE TO THE STREAM BED AND EMBANKMENT EDGES.

12. DRAWING NOT TO SCALE.