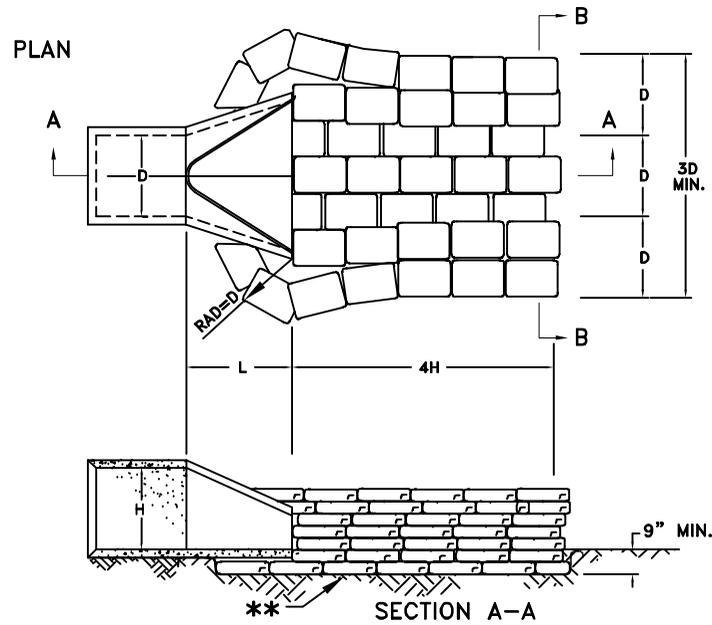
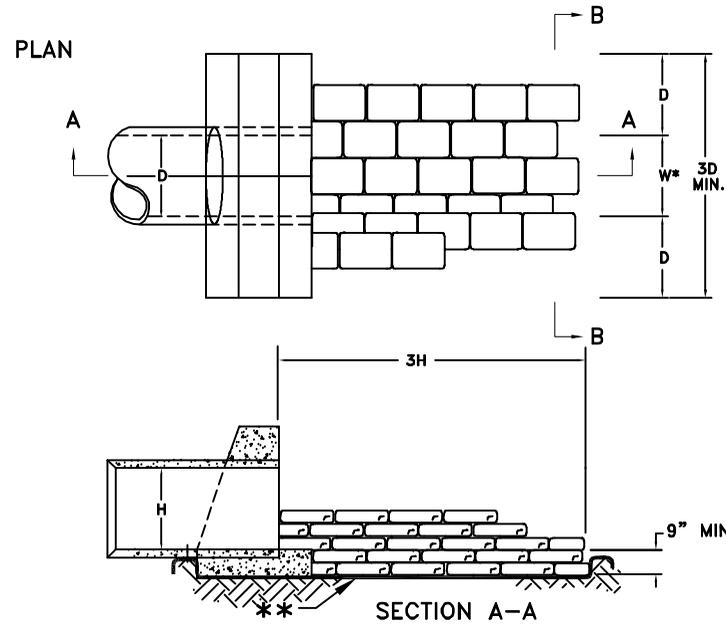


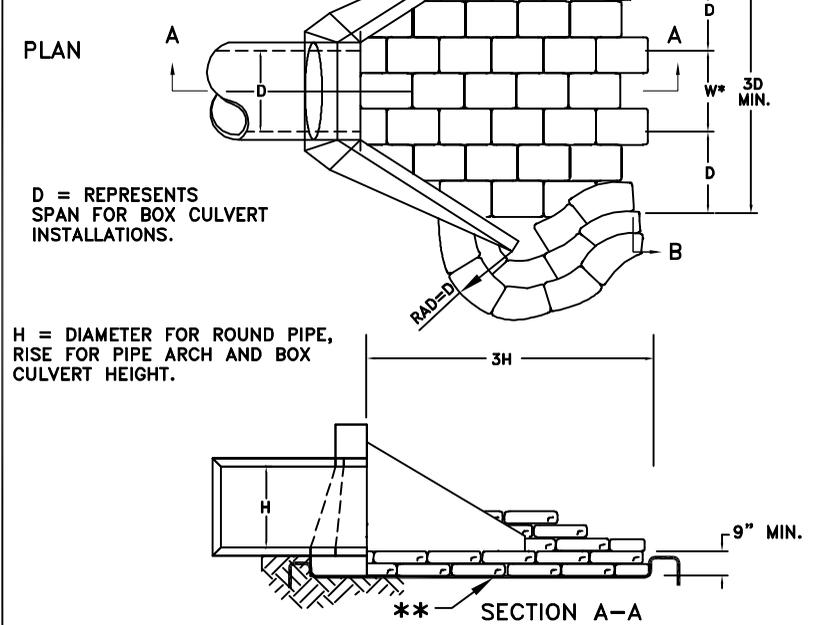
DETAIL 1



DETAIL 2

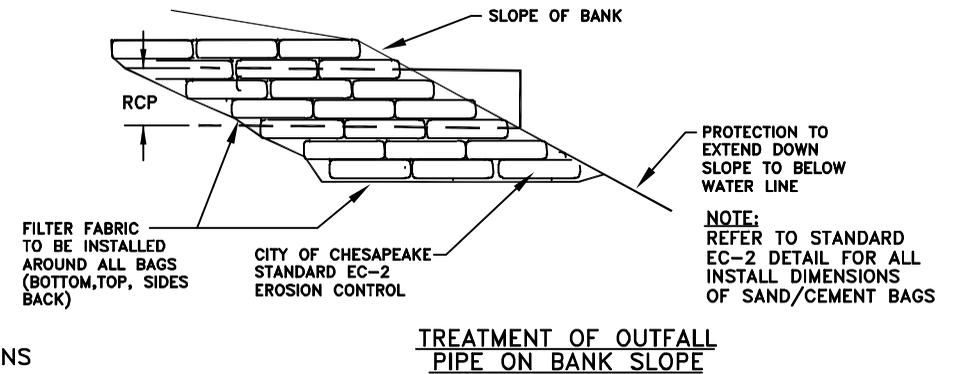
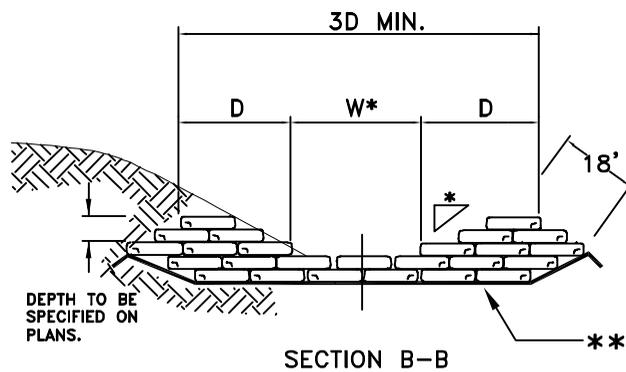


DETAIL 3



NOTE:

1. FOR MULTIPLE LINE INSTALLATIONS DIMENSION (D) IS TO GOVERN THE PROTECTION OUTSIDE THE CHANNEL WIDTH (W)
2. WERE NO ENDSECTION IS SPECIFIED ON PLANS, CONSTRUCTION IS TO BE IN ACCORDANCE WITH DETAILS 2 SHOWN ABOVE.
3. "D" REPRESENTS THE SPAN FOR BOX CULVERT INSTALLATION.
4. "H" = DIAMETER FOR ROUND PIPE, RISE FOR PIPE ARCH, AND BOX CULVERT HEIGHT.
5. ONE ASTERISK (*) USE TYPICAL SECTION SHOWN ON PLANS OR NORMAL SIDE SLOPE, BOTTOM WIDTH, AND DEPTH OF CHANNEL, DITCH OR NATURAL GROUND.
6. TWO ASTERISK (**) ALL RIP RAP SHALL BE UNDERLAID WITH APPROPRIATE NONWOVEN GEOTEXTILE FILTER FABRIC MATERIAL PER DIVISION 30 OF PFM VOL. 3.
7. BAG TO BE BURLAP FILLED WITH CONCRETE & PLACED BEFORE CONCRETE SETS HARD. IF PAPER (COMMERCIAL) CONCRETE BAGS ARE USED, THEN PAPER IS TO BE TORN OPEN AND ONE (1) #5 REBAR PER BAG DRIVEN VERTICALLY THROUGH EACH TO THE BOTTOM BAG.



		DESIGN AND CONSTRUCTION STANDARDS	
		EROSION CONTROL WITH SAND CEMENT BAGS	
08/01/03	REV. FOR INTERNET 2003	DR. BY:	DATE:
DATE	REVISIONS	CHK. BY:	DATE:
		APP. BY:	DATE:

ECSB