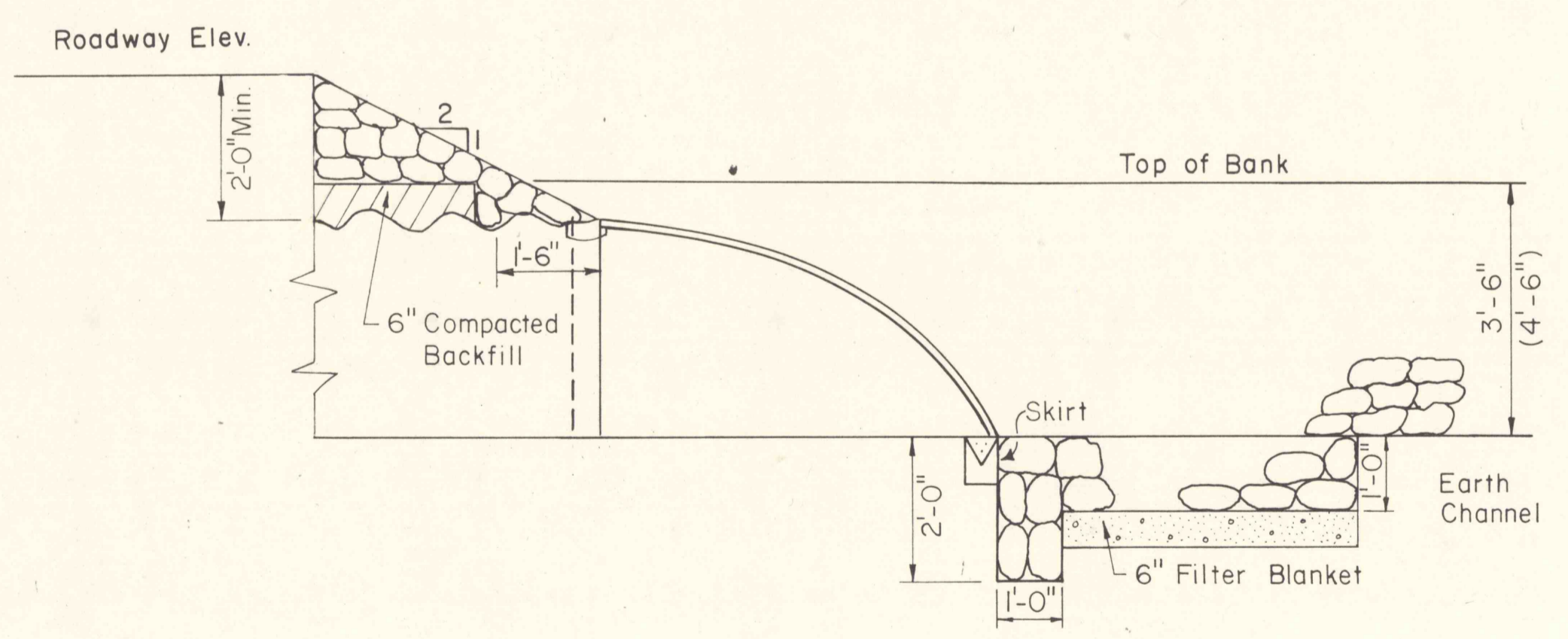
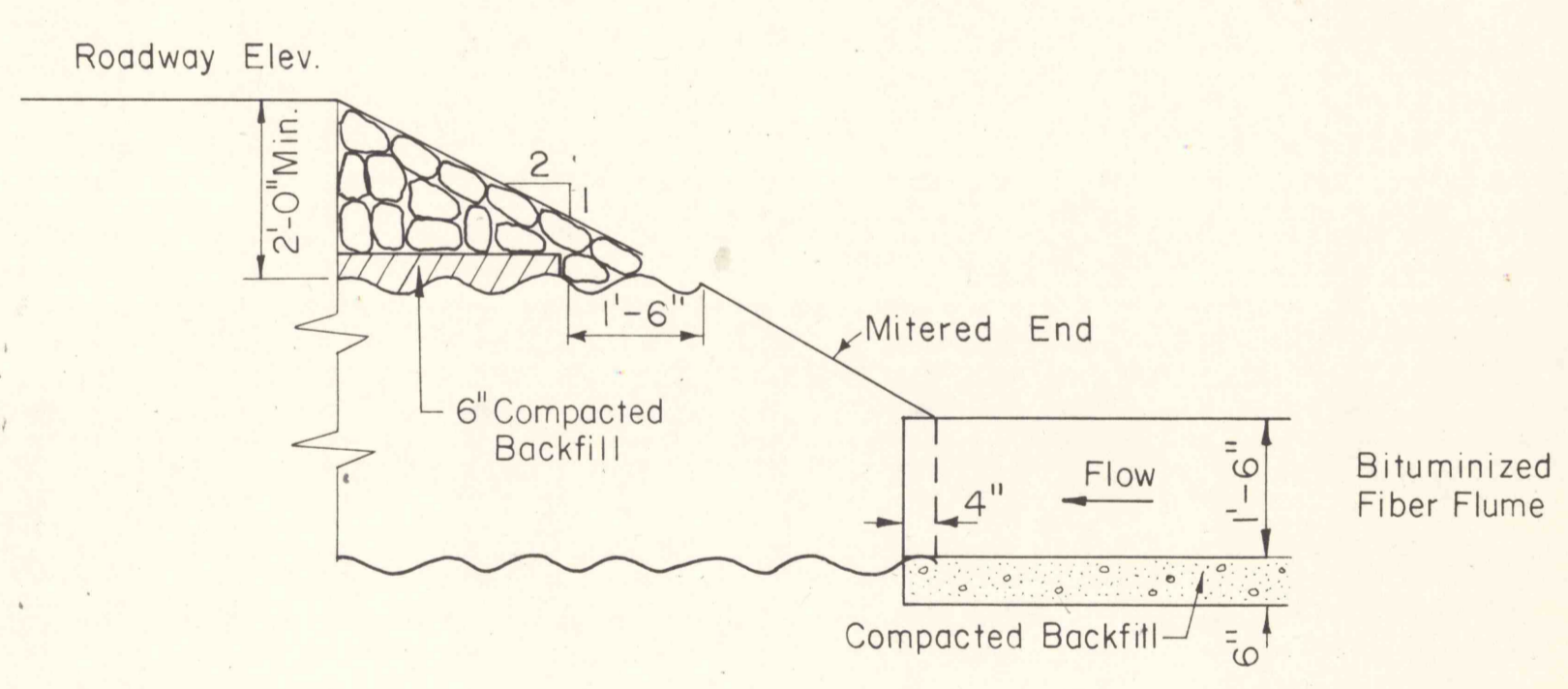


TYPICAL RIPRAP ENTRANCE AND OUTLET

SCALE: 1/2" = 1'  
 3' PIPE SHOWN - 2' CHANNEL SHOWN  
 4' PIPE IN ( ) - 4' CHANNEL IN ( )



SECTION A-A  
 2' CHANNEL SHOWN  
 4' CHANNEL IN ( )



SECTION B-B

NO	DATE	REVISION	APPR.
SUBMITTED			
PROFESSIONAL			
APPROVED			
CHIEF - DIVISION OF MINE RECLAMATION			
APPROVED			
DIRECTOR - BUREAU OF DESIGN			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES OFFICE OF RESOURCES MANAGEMENT			
PROJECT NO. SL I13-5-1			
MINE DRAINAGE POLLUTION ABATEMENT COAL RUN SHAMOKIN CREEK WATERSHED NORTHUMBERLAND COUNTY, PA.			
ERDMAN, ANTHONY, ASSOCIATES Consulting Engineers Camp Hill, Pa. Rochester, N.Y.			
RIPRAP ENTRANCE AND OUTLET DETAILS			
DRAWN BY JM	DATE	DRAWING NO.	
CHECKED BY DHC	SCALE AS SHOWN	25 of 26	