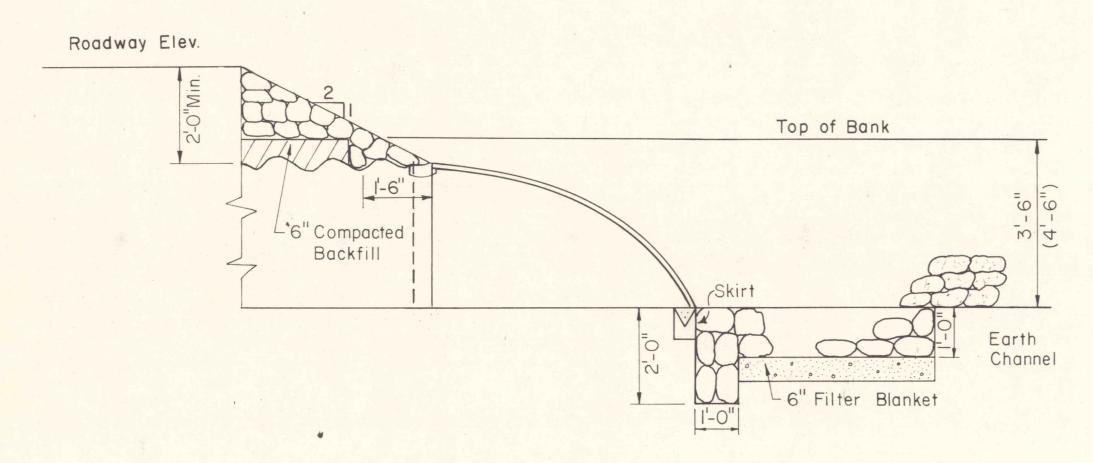


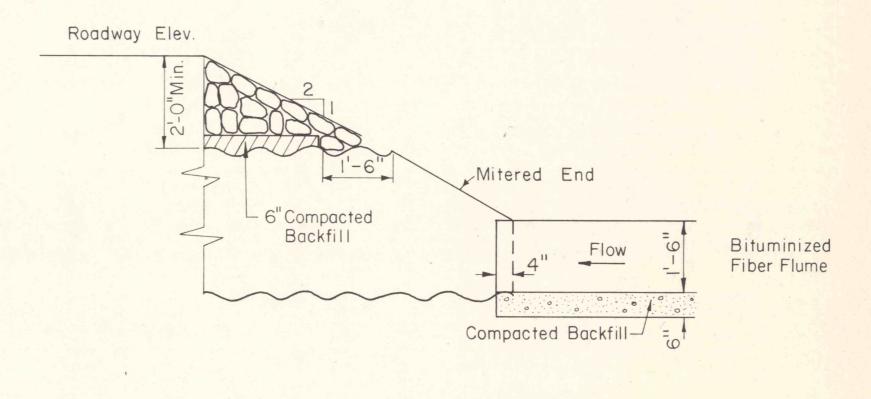
## TYPICAL RIPRAP ENTRANCE AND OUTLET

SCALE:  $\frac{1}{2}$ " = 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.
SU	BMITTED	*	
PROFESSIONAL			
AP	PROVED		
	-	HIEF- DIVISION OF MINE RECLAMATION	
AP	PROVED	HIEF- DIVISION OF MINE RECEAMATION	
	-	DIRECTOR - BUREAU OF DESIGN	
		IRECTOR - BUREAU OF DESIGN	
UV			

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

PROJECT NO. SL 113-5-1

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

CHECKED BY
DHC

AS SHOWN

DRAWING NO.

25 of 26