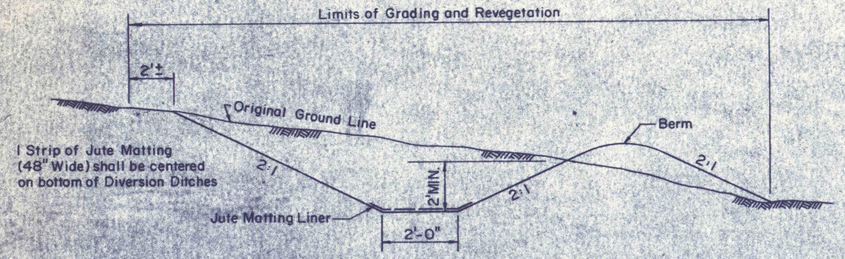
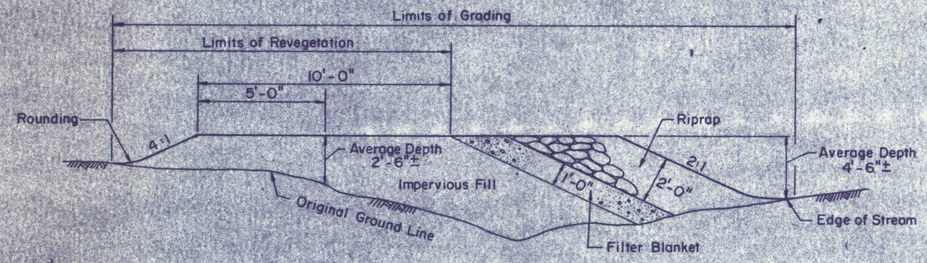


NOTE: 1½:1 Slopes on the Uphill Side shall be used in Areas designated by the Engineer when the terrain will not permit the use of 2:1 Slopes.

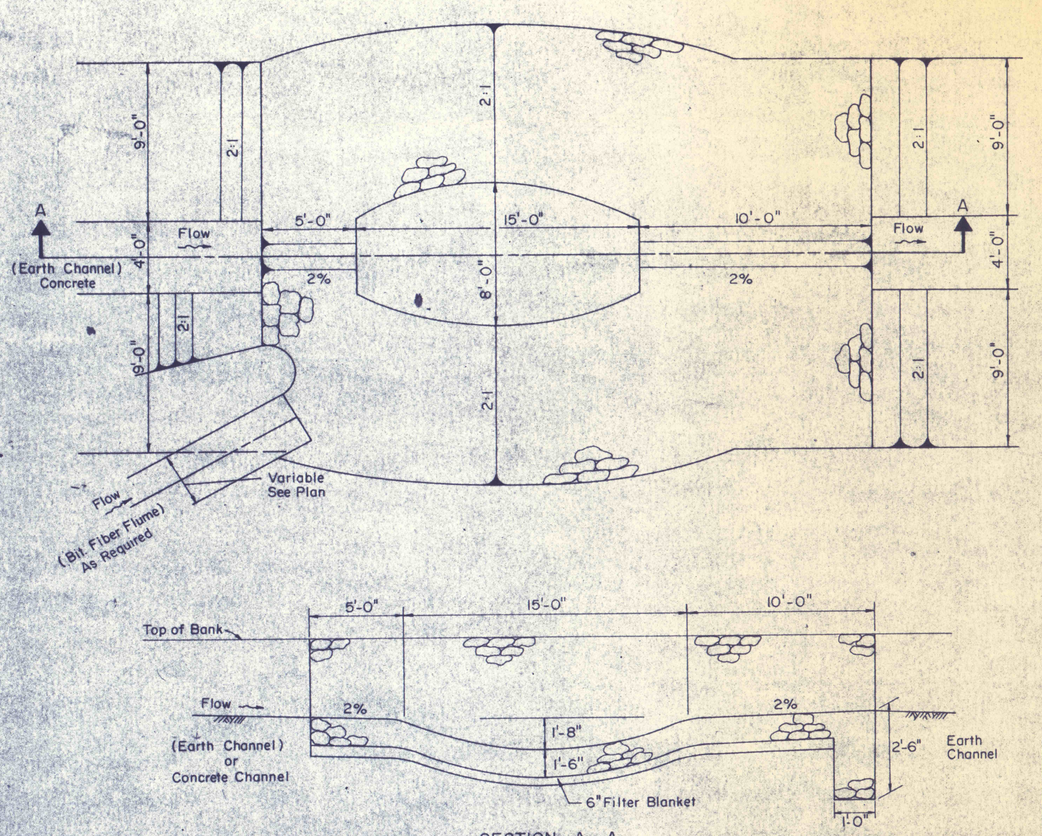
TYPICAL DETAIL - DIVERSION DITCH

NOT TO SCALE



TYPICAL DETAIL - DIVERSION BERM

NOT TO SCALE



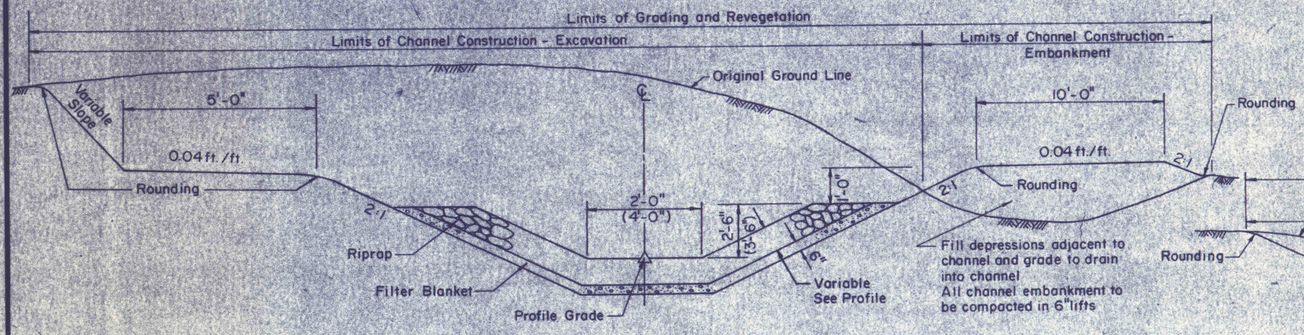
SECTION A - A

NOT TO SCALE

TYPICAL ENERGY DISSIPATOR

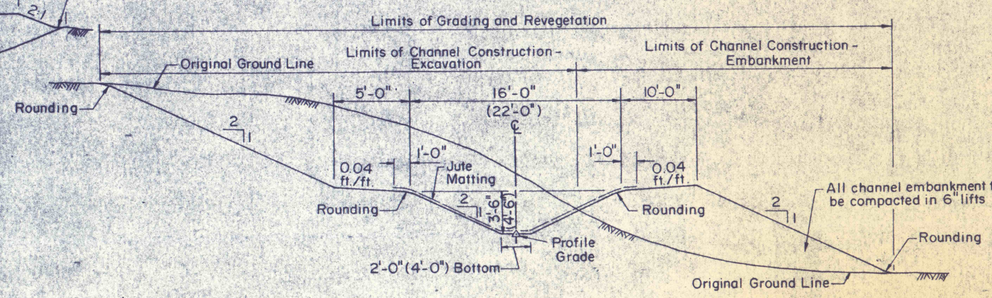
TYPE A SHOWN - TYPE B IN ( )

NOT TO SCALE



TYPICAL DETAIL - RIPRAP CHANNEL

NOT TO SCALE



TYPICAL DETAIL - RELOCATED AND RESTORED CHANNEL

DIMENSIONS FOR 2'-0" CHANNEL BOTTOM SHOWN
DIMENSIONS FOR 4'-0" CHANNEL BOTTOM IN ( )

NOT TO SCALE

NO	DATE	REVISION	APPR.

SUBMITTED: Richard B. Ulp — PROFESSIONAL

APPROVED: Albert A. Ramini — CHIEF - DIVISION OF MINE RECLAMATION

APPROVED: [signature] — DIRECTOR - BUREAU OF DESIGN

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — RICHARD B. ULP — ENGINEER — PENNSYLVANIA

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.

TYPICAL CHANNEL DETAILS

DRAWN BY	DATE	DRAWING NO.
GMS	5-9-75	21 of 28
CHECKED BY	SCALE	
DHC	AS SHOWN	

NING 44-142 25788