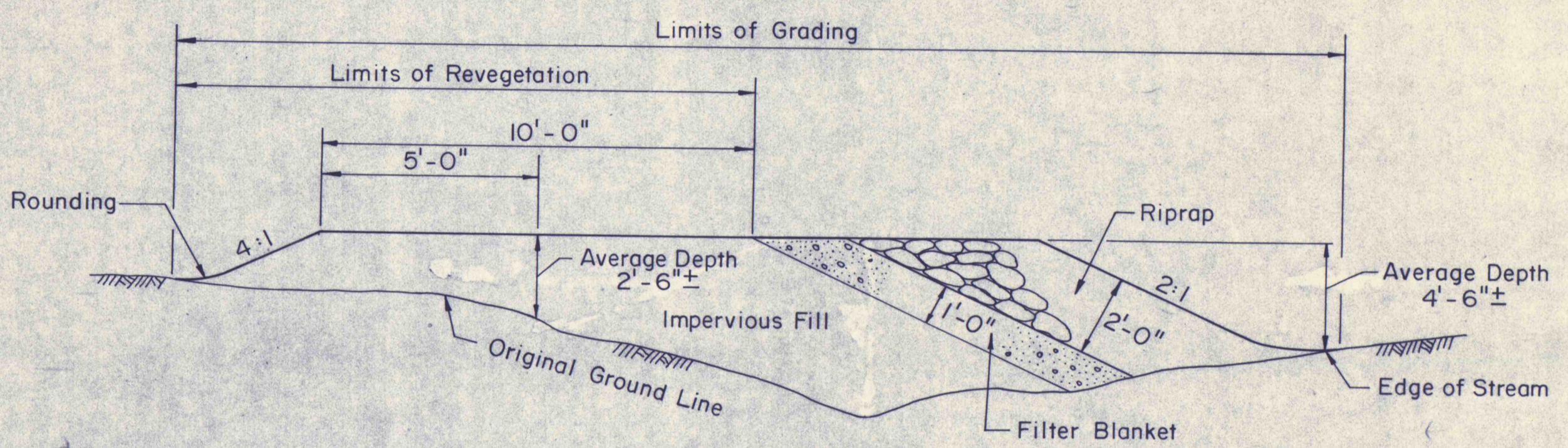
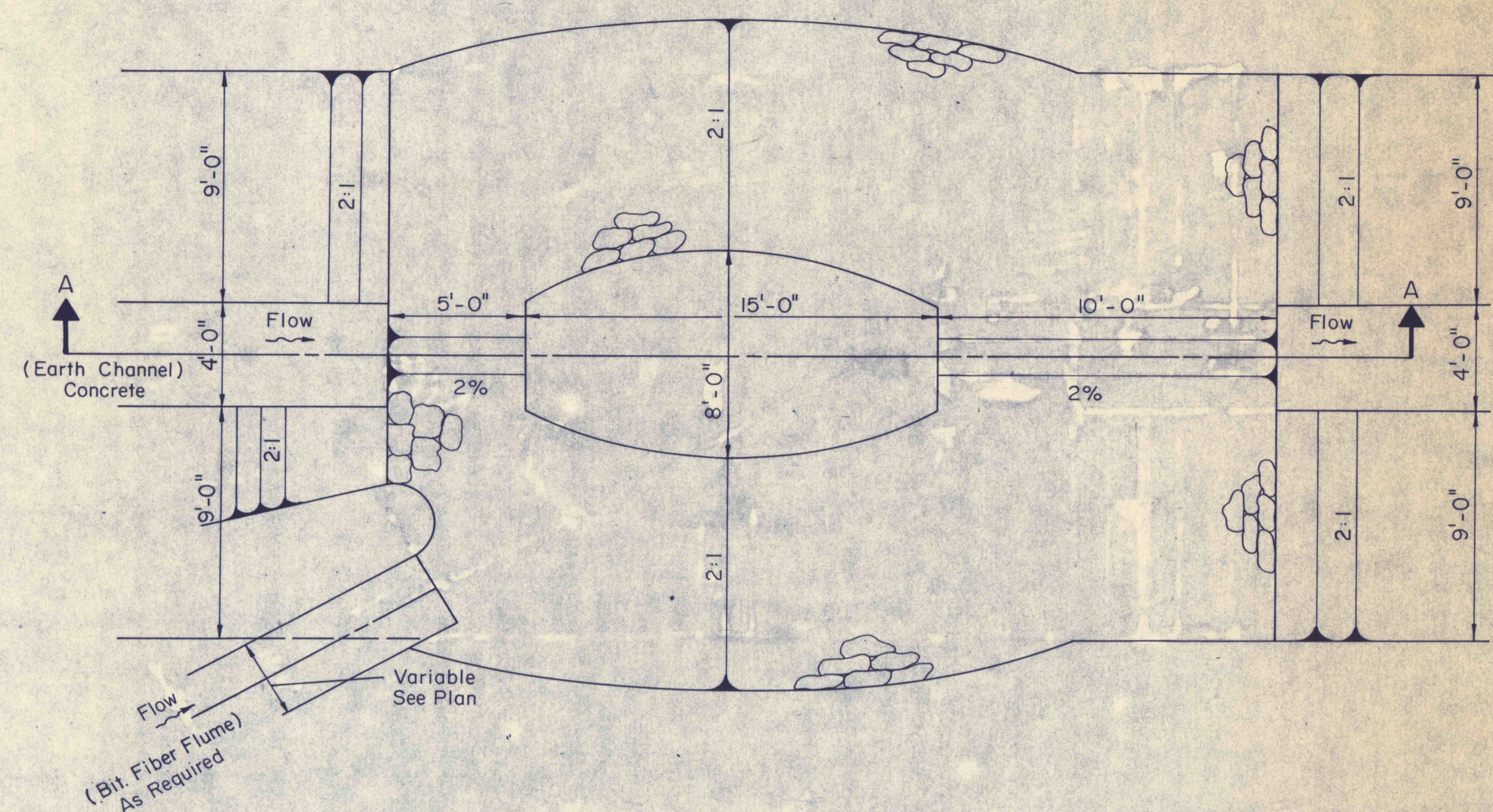


NOTE: 1 1/2 : 1 Slopes on the Uphill Side shall be used in Areas designated by the Engineer when the terrain will not permit the use of 2:1 Slopes.

TYPICAL DETAIL - DIVERSION DITCH
NOT TO SCALE

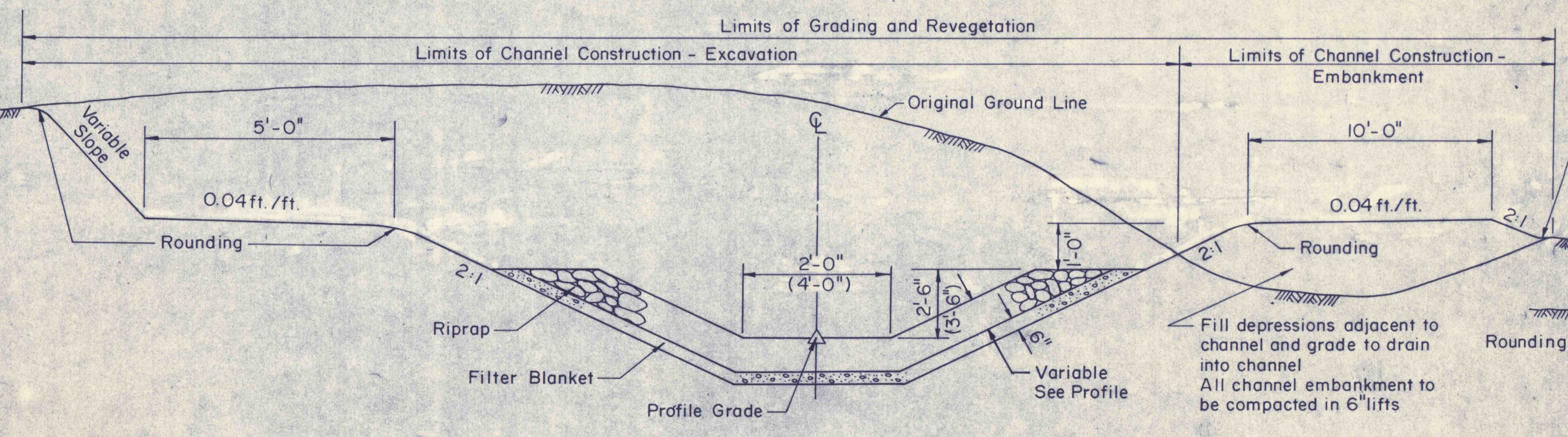


TYPICAL DETAIL - DIVERSION BERM
NOT TO SCALE

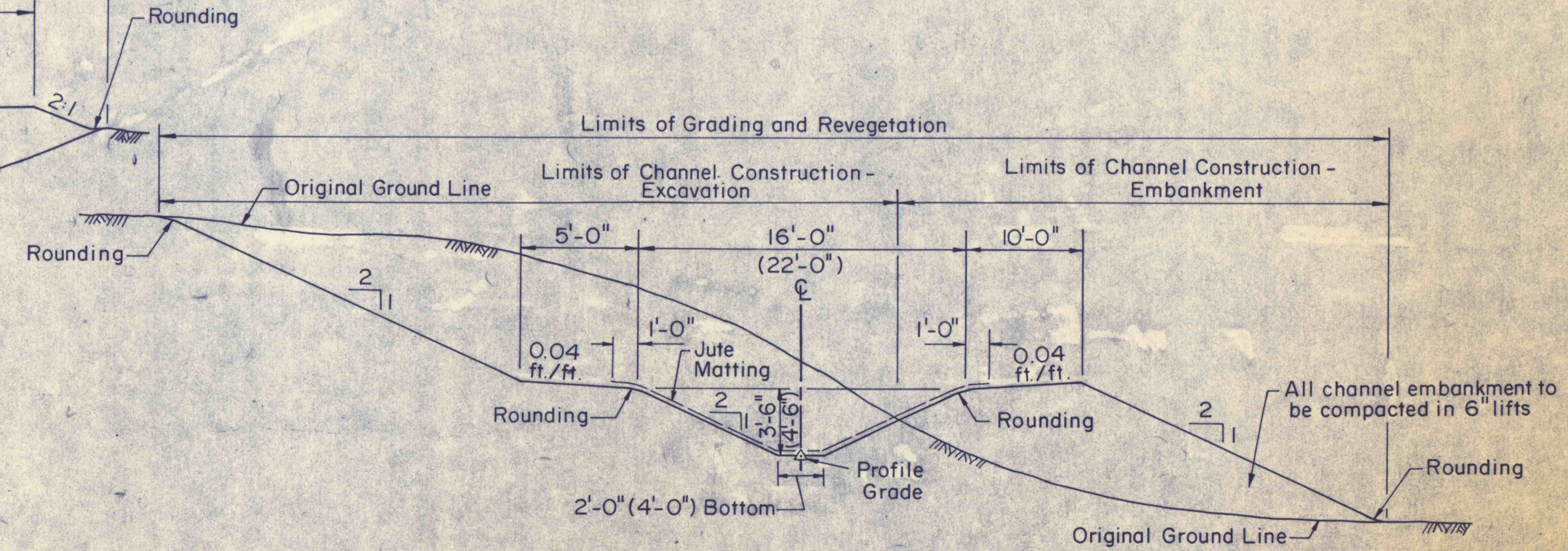


SECTION A - A
NOT TO SCALE

TYPICAL ENERGY DISSIPATOR
TYPE A SHOWN - TYPE B IN ()
NOT TO SCALE

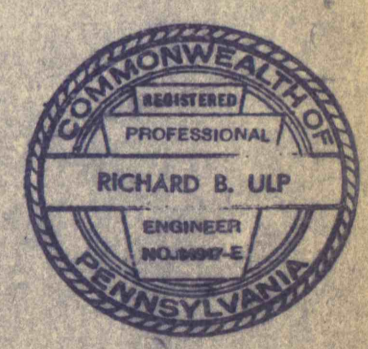


TYPICAL DETAIL - RIPRAP CHANNEL
NOT TO SCALE



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 <i>Richard B. Ulp</i>			
APPROVED <i>Richard B. Ulp</i>			
APPROVED <i>Richard B. Ulp</i>			



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

BRUNING 44-142 25788