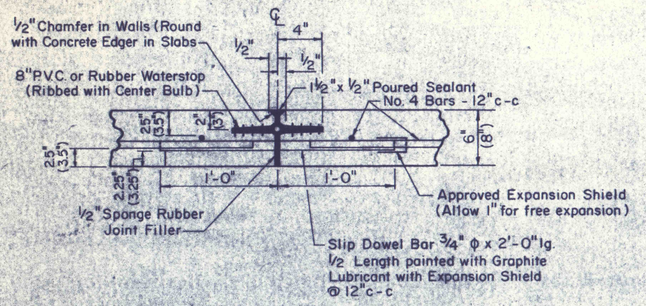
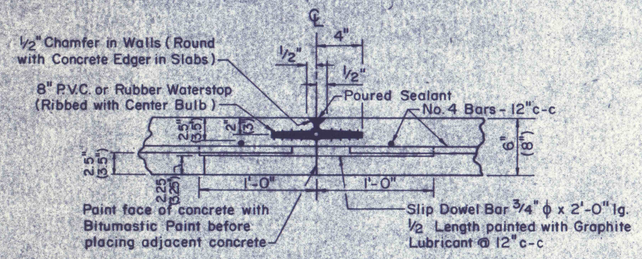
NOTE : Dimensions in ( ) refer to bottom of channel



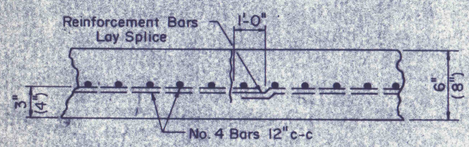
TYPICAL DETAIL - EXPANSION JOINT

NOT TO SCALE
MAXIMUM SPACING - 90'



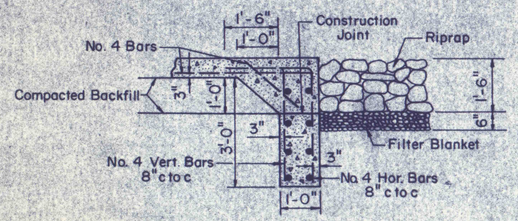
TYPICAL DETAIL - CONTRACTION JOINT

NOT TO SCALE
MAXIMUM SPACING - 30'



TYPICAL DETAIL - CONSTRUCTION JOINT

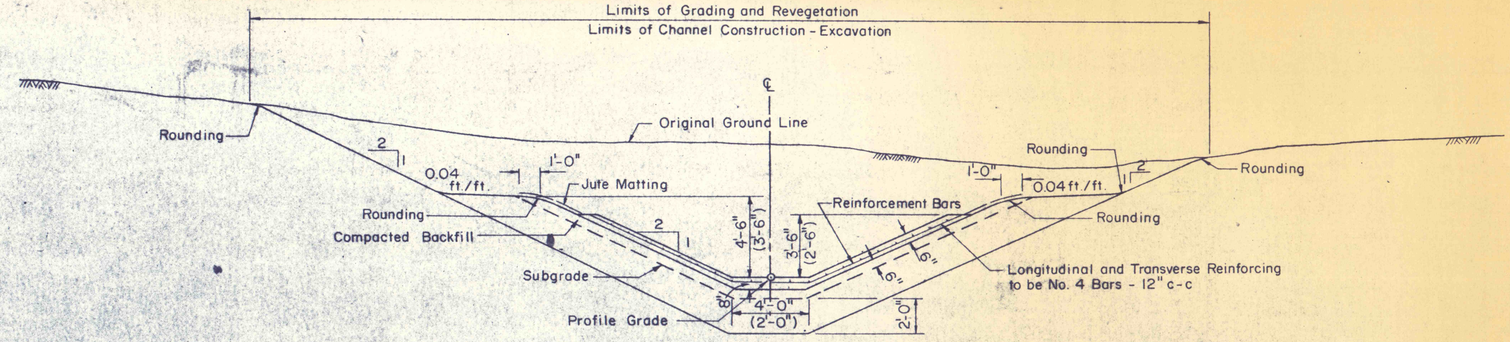
NOT TO SCALE



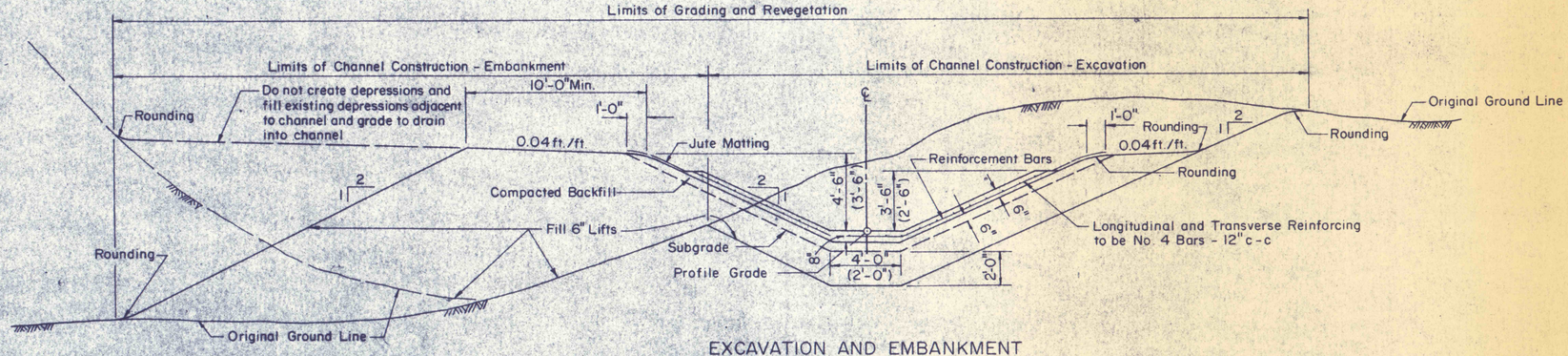
TYPICAL DETAIL - CUTOFF WALL

NOT TO SCALE

NOTE : Located at upstream and downstream end of Reinforced Concrete Channel on bottom only.



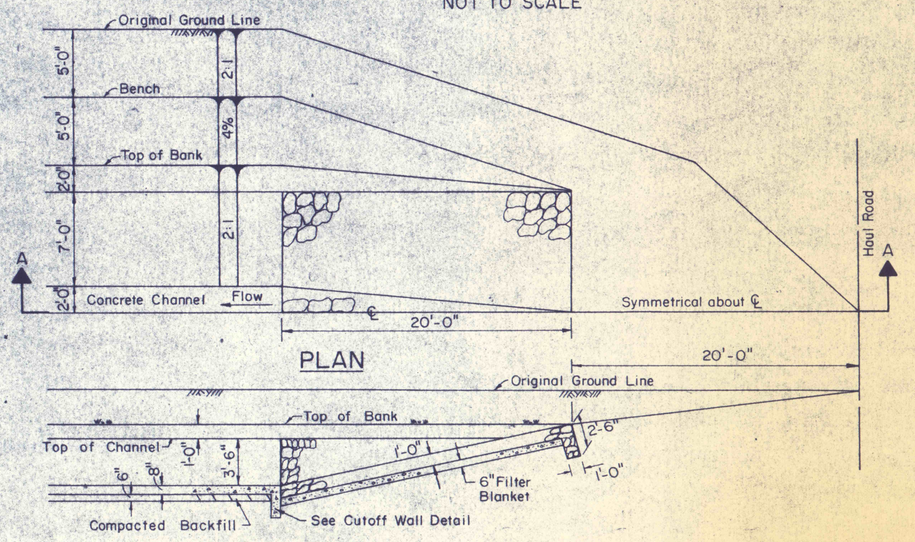
EXCAVATION ONLY
WEST CHANNEL DIMENSIONS SHOWN
EAST CHANNEL DIMENSIONS IN ( )



EXCAVATION AND EMBANKMENT
WEST CHANNEL DIMENSIONS SHOWN
EAST CHANNEL DIMENSIONS IN ( )

TYPICAL SECTION - REINFORCED CONCRETE CHANNEL

NOT TO SCALE



SECTION A-A
SCALE: 3/16" = 1'

RIPRAP CHANNEL ENTRANCE

NO	DATE	REVISION	APPR

SUBMITTED Richard B. Ulp 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 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.

REINFORCED CONCRETE CHANNEL DETAILS

DRAWN BY	DATE	DRAWING NO.
GMS	5-9-75	25 of 28
CHECKED BY	SCALE	
DHC	AS SHOWN	