(A) PRIMROSE VEIN CHANNEL
SCALE: 1" = 100'

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION

60" HALF-ROUND PIPE

DRAINAGE SWALE
SEE JUTE MATTING DETAIL ON DWG. 8

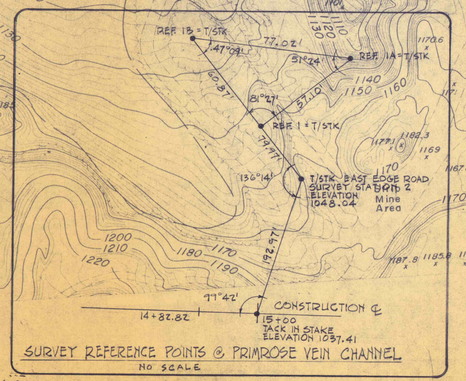
Strip Mined Area

50 L.F. RIP-RAP (1' DEPTH)

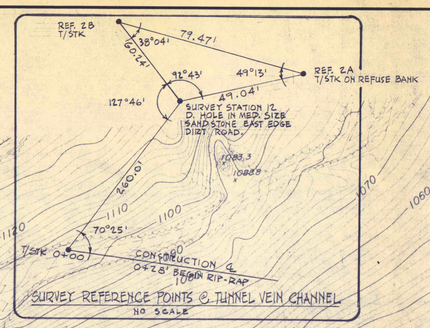
RIP-RAP ON BOTH SIDES

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION



SURVEY REFERENCE POINTS ℄ PRIMROSE VEIN CHANNEL
NO SCALE



SURVEY REFERENCE POINTS ℄ TUNNEL VEIN CHANNEL
NO SCALE

NOTE: CONTOURS INDICATED ARE APPROXIMATE.

BENCH MARK No. 1
ELEVATION 1076.04
SPIKE 0.6' ABOVE SURFACE IN NORTH FACE OF 7" DIAMETER WHITE OAK TREE.
32.8' +/- LEFT OF CONSTRUCTION ℄ STATION 14+81.32

ACCESS ROAD TO AREAS (A) AND (B)

ACCESS ROAD TO AREA (C)

BENCH MARK No. 2
ELEVATION 915.03' SPIKE IN WEST FACE OF P.P.& L. POWER POLE # 52280
0.9' ABOVE SURFACE EAST SIDE OF TWP. ROAD No. 562

NOTE:
GRADE AS NECESSARY TO AVOID DRAINING INTO AIR SHAFT.

(C) TUNNEL VEIN CHANNEL
SCALE: 1" = 100'

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION
PRESERVE EXISTING ROAD

DRAINAGE SWALE - SEE JUTE MATTING DETAIL ON DWG 8.

60" HALF-ROUND PIPE

RIP-RAP ON BOTH SIDES

25 L.F. RIP-RAP (1' DEPTH)

ESTABLISH OUTLET DITCH TO TIE INTO EXISTING STREAM.

OLD MINE SHAFT TO BE CHOKED. - SEE DETAIL ON DWG. 9

EARTH BARRICADE

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION

12" CONC. PIPE (EXISTING)

TIE INTO EXISTING STREAM

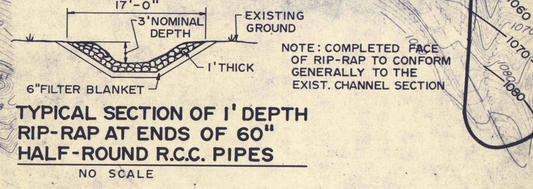
25 L.F. RUBBLE MASONRY (1' DEPTH)

TIE INTO EXISTING CHANNEL

LIMIT OF CONTRACTOR'S WORKING AREA GRADING & REVEGETATION

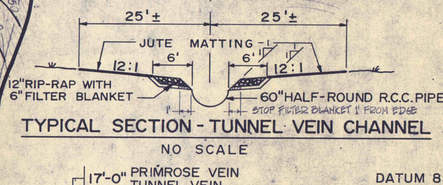
5'X5' CONC. ARCH (EXISTING)

(B) PROVING PIT
SCALE: 1" = 100'

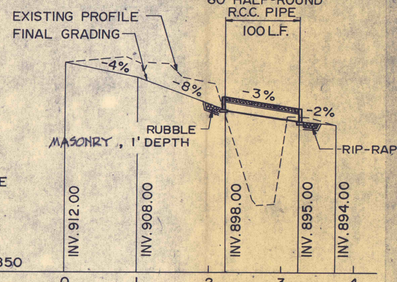


NOTE: COMPLETED FACE OF RIP-RAP TO CONFORM GENERALLY TO THE EXIST. CHANNEL SECTION

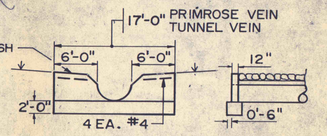
TYPICAL SECTION OF 1' DEPTH RIP-RAP AT ENDS OF 60" HALF-ROUND R.C.C. PIPES
NO SCALE



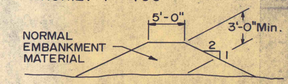
TYPICAL SECTION - TUNNEL VEIN CHANNEL
NO SCALE



PROFILE - TUNNEL VEIN CHANNEL
SCALE: VERT. 1" = 20'
HORIZ. 1" = 100'

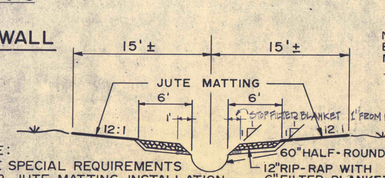


TYPICAL ENDWALL
NO SCALE



TYPICAL SECTION EARTH BARRICADE
NO SCALE

PROFILE - PRIMROSE VEIN CHANNEL
SCALE: VERT. 1" = 20'
HORIZ. 1" = 100'



NOTE:
SEE SPECIAL REQUIREMENTS FOR JUTE MATTING INSTALLATION.

TYPICAL SECTION - PRIMROSE VEIN CHANNEL
NO SCALE

NOTE: TOPOGRAPHIC DATA OBTAINED FEBRUARY, 1973.

NO.	DATE	REVISION	APPR.

SUBMITTED
Harvey P. Cowley
PROFESSIONAL

APPROVED
Robert A. Romini
CHIEF - DIVISION OF MINE RECLAMATION

APPROVED
DIRECTOR - BUREAU OF DESIGN

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
HARVEY P. COWLEY
ENGINEER
No. 10214
PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

PROJECT NO. SL 126-1-5

MINE DRAINAGE POLLUTION ABATEMENT
SWATARA CREEK WATERSHED
UPPER SWATARA CREEK & POLLY'S RUN
REILLY TWP. SCHUYLKILL CO., PA.

NICHOLAS-COWLEY-BROSCH ASSOC., INC.
Consulting Engineers
3300 North Third St. Harrisburg, Pa.

POLLY'S RUN
PLAN & PROFILE

DRAWN BY	DATE	DRAWING NO.
BEN	Jan. 11, 1974	3 of 9
CHECKED BY	SCALE	
HPC	As Shown	