STA. 25+42 MATCH LINE WITH DRAWING NO. 6

TOP OF SLOPE AND APPROXIMATE LIMIT OF REVEGETATION AND GRADING.

EXISTING

DEPRESSION

SWATARA CREEK

TOP OF SLOPE AND APPROXIMATE LIMIT OF REVEGETATION AND GRADING.

Note:
See Sheet 6 of 9 for details of placement of rip-rap at areas of concentrated side flows.

LIMIT OF CONTRACTOR'S WORK AREA.

Note:
Trees shall be planted along both sides of channel in accordance with specifications. S.R. # 19.

SWALE

ROAD

CONSTR. ℄

SURVEY ℄

P.I. 11+36.63

11+00

10+00

9+00

8+00

7+00

P.I. 9+20.06

9+09.40

P.I. 7+85.48

N 68°01' E

43°57'

SWATARA COAL COMPANY
TO
NATURAL COAL COMPANY

LIMIT OF CONTRACTOR'S WORK AREA.

TOP OF SLOPE AND APPROXIMATE LIMIT OF REVEGETATION AND GRADING.

TOP OF SLOPE AND APPROXIMATE LIMIT OF REVEGETATION AND GRADING.

Constr. ℄
P.I. STA. 21+42.03
Δ = 6°00'00"
D = 10°00'00"
T = 30.03'
L = 60.00'
R = 572.96'
E = 0.79'

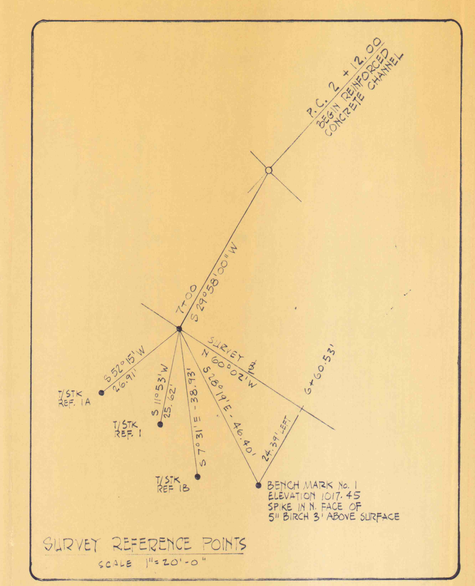
P.C. 21+12.00
BEGIN REINFORCED CONCRETE CHANNEL

P.T. 21+72.00

50 L.F. DERRICK STONE

Additional Rip-rap placed outlet end due to washout by heavy rains (Mortared Rip rap) 10 S.Y.

START WORK
STA. 20+62



SURVEY REFERENCE POINTS
SCALE 1"=20'-0"

LEGEND

LIMIT OF GRADING ———

LIMIT OF CONTRACTOR'S WORKING AREA — — — — —

LIMIT OF REVEGETATION – – – – – –

NO.	DATE	REVISION	APPR.

SUBMITTED Harvey P. Cowley
PROFESSIONAL

APPROVED Albert A. Romeri
CHIEF - DIVISION OF MINE RECLAMATION

APPROVED Dick Reeves
DIRECTOR - BUREAU OF DESIGN

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
HARVEY P. COWLEY
ENGINEER
No. 11614-E
COMMONWEALTH OF 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.

UPPER SWATARA CREEK
PART I

DRAWN BY	DATE	DRAWING NO.
BEN	Jan. 11, 1974	5 of 9
CHECKED BY	SCALE	
HPC	1" = 20'	