

P.I.=13+38.38
 $\Delta=26^\circ$
 $D=16'$
 $T=82.67'$
 $R=358.10'$
 $L=162.50'$
 $E=9.41'$



LEGEND FOR PLAN DRAWINGS	
	SHADED AREA INDICATES STREAM CHANNEL, REFER SECTION FOR CONST.
	LONG DASH INDICATES EXTENT OF WORK AREA FOR GRADING & SEEDING.
	BASE LINE, NOT IN ALL CASES WILL B.L. BE ON E. OF CHANNEL.
	INDICATES SECTION, DWG NO. & SECTION NO. ARE SHOWN.
	INDICATES DETAIL, REFERS TO ENLARGED PLANS.

BOTH CURVES IDENTICAL
 $\Delta=64^\circ 15'$
 $D=96'$
 $R=59.68'$
 $T=37.46'$
 $L=67.63'$
 $E=10.78'$

DITCH "B"
BEGINNING OF WORK STA. 9+76.82

DITCH "C"
BEGINNING OF WORK STA. 13+19.64

T.B.M. 9"
SPIKE IN 14" CHERRY
ELEV. 1544.00

P.I.=11+88.04
 $\Delta=41^\circ 29'$
 $D=40'$
 $R=134.24'$
 $T=54.22'$
 $L=103.75'$
 $E=9.91'$

P.I.=20+00
 $\Delta=45^\circ 36'$
 $D=50'$
 $R=114.49'$
 $T=48.16'$
 $L=91.20'$
 $E=9.71'$

P.I.=21+88.64
 $\Delta=94^\circ 36'$
 $D=55'$
 $T=117.34'$
 $L=172.00'$
 $R=108.28'$

RIPRAP FROM PC. 19+51.84 TO
 P.T. 20+48.16 SEE SECTION 9 ON
 DRAWING NO. 13.
 RIPRAP FROM PC. 20+71.30 TO
 P.T. 22+43.30 SEE SECTION 9 ON
 DRAWING NO. 13.

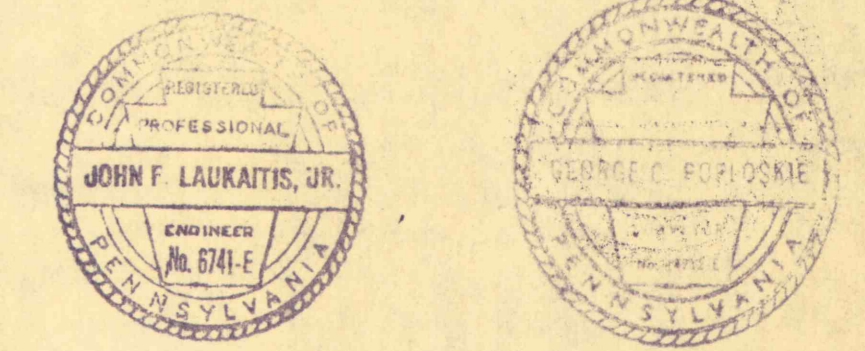
PLAN OF DITCH A, B & C

SCALE - 1" = 50' - 0"

PROFILES	
STATION	DRAWING
12+55.71'A - 20+48.16'A	B
20+48.16'A - 25+00'A	9
9+76.82'B - 20+43.04'B	B
13+19.64'C - 17+28.40'C	B

NO.	DATE	REVISION	APPR.

SUBMITTED
 PROFESSIONAL
 APPROVED *Robert A. Rawski*
 CHIEF - DIVISION OF MINE DRAINAGE REHABILITATION
 APPROVED *John Perigo*
 DIRECTOR - BUREAU OF CONSULTING SERVICES



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL RESOURCES
 OFFICE OF ENGINEERING AND CONSTRUCTION

PROJECT NO. SL 113-2
 MINE DRAINAGE POLLUTION ABATEMENT
 QUICK STARTS A and B
 SHAMOKIN CREEK WATERSHED

JOHN S. LUCKENS ASSOC.
 P.O. Box 190 Shamokin, Penna.

PLAN OF DITCH A, B & C

DRAWN BY DATE DRAWING NO.
 May 7, 1973
 CHECKED BY SCALE DRAWING NO.
 1" = 50' 3 of 14