



P.I. = 13+38.98
 $\Delta = 26^\circ$
 D = 16'
 T = 82.67'
 R = 358.10'
 L = 162.50'
 E = 9.41'

DITCH "A"
BEGINNING OF WORK

PC 12+55.71

PT. 14+19.21

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

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

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

PC 11+33.82

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

PT. 12+37.57

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+43.14 SEE SECTION 13 ON
 SHEET NO. 13 OF 13.
 RIPRAP FROM PC 20+71.30 TO
 P.T. 22+43.30 SEE SECTION 13 ON
 SHEET NO. 13 OF 13.

POND
 WATER ELEV. 1488.5

POND
 WATER ELEV. 1491.0

PLAN
 SCALE - 1" = 50'-0"

NO.	DATE	REVISION	APPR.
SUBMITTED			
PROFESSIONAL			
APPROVED			
CHIEF-DIVISION OF MINE DRAINAGE REHABILITATION			
APPROVED			
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			
DRAWN BY	DATE	DRAWING NO.	
CHECKED BY	SCALE	3 of 13	
		As Shown	