N

DITCH "C"

Sta. 8+63 – 9+63	Clean Debris from Concrete Channel	± 37 C.Y.
	Erosion – Right Side – Backfill	± 10 C.Y.
	Concrete Slurry	3 C.Y.
	Seeding	± 1,000 S.F.
Sta. 12+16 – 12+56	Erosion – Both Sides of Concrete Channel Compacted Backfill	± 5 C.Y.
	Concrete Slurry	1 C.Y.
	Recommended Riprap	± 5 S.Y.
	12+45 – Provide Rubble Masonry Swale Entrance Riprap	± 50 L.F. 72 S.F.
	Seeding	± 4,200 S.F.

NOTE:
℄ IDICATES ESTABLISHED BASE LINE
℄ IDICATES NEW STREAM CHANNEL

EXTENDED CONC. FROM STA. P.C. 43+95.58 "A" TO P.T. 1+01.14 SEE SECTION 11, DWG 13.

PI. 1+54.14
Δ = 16° 44' 28" RT.
D = 18° 00'
R = 318.31'
T = 46.83'
L = 93.05'
E = 3.42'

℄ CURVE
P.I. 22' RT. 2+37
Δ = 36° 30' RT.
D = 14° 27' 10"
R = 397.10'
T = 130.73'
L = 252.55'
E = 21.00'

EXTENDED CONC. FROM STA 3+63 TO 1+12 SEE SECTION 11 ON DWG 13.

P.T. 2+00.36 ℄

P.C. 1+07.31 ℄

P.I. 3+20.80
Δ = 21° 36' 10" RT.
D = 12° 00'
R = 477.46'
T = 91.08'
L = 180.01'
E = 8.60'

P.C. 2+27.67 ℄

P.T. 1+01.14

P.C. 1+12.00 ℄

P.I. 0+00 "C", 45+00.31 "A"
Δ = 21° 01' 35" RT.
D = 10° 15'
R = 558.98'
T = 103.73'
L = 204.87'
E = 9.54'

P.C. 43+95.58 "A"

START DITCH "C"

SECTION-5 DWG 12

SECTION-6 DWG 12

SECTION-7 DWG 12

DETAIL-K DWG 14

SEE DWG 4 "A"

P.T. 4+09.73

P.T. 11+RT. 3+63 ℄

T.B.M. - SPIKE IN 16" MAPLE
8' RT. STA. 6+15
ELEV. 1062.18

P.I. 5+74.46
Δ = 10° 36' 52" RT.

P.I. 6+84.06
Δ = 21° 30' RT.
P.T. 4+1.T. 6+89

P.C. 13+RT. 6+19
ES 60" R.C.P.

DETAIL-N SEE DWG. 14

ADD 150'+60" REIN. CONC. PIPE

7+46

℄ CURVE
P.I. 8.16' RT. 6+54
Δ = 7° 00' RT.
D = 9° 13' 17"
R = 622.43'
T = 38.00'
L = 75.91'
E = 1.16'

EXISTING 60 R.C.P. ENCLOSED IN STONE

ADD 6' OF 60" REINF. CONC. PIPE TO END OF EXIST'G

DETAIL-N SEE DWG 14

END OF PIPE 8+53

101.77'

131° 00'

157° 00'

23.21

91.43'

P.I. 8+63.53
Δ = 32° 19' 02"

P.C. 8+82.78

P.T. 10+55.08

T.B.M. - 9" NAIL IN 12" OAK
10' RT. STA. 8+70
ELEV. 1085.75

P.I. 9+72.28
Δ = 34° 41' 51" LT.
D = 20° 00'
R = 286.48'
T = 89.50'
L = 173.30'
E = 13.65'

P.I. 10+84.99
Δ = 3° 43'
D = 29° 48'
R = 194.42'
T = 15.00'
L = 29.94'
E = 0.56

SEE DWG 14 DETAIL - R

DITCH "C" END OF WORK 12+95.95

P.T. 11+00

P.C. 10+70

VACATED P. SEVIOR

1100

1110

1090

1080

1070

1060

1050

1040

12+45 12+20

12+16 12+56

SEE DWG 12 SECTION-6

P.T. 12+07.01

P.C. 11+23.84

P.I. 11+68.84
Δ = 28° 22'
D = 36° 12' 10"
R = 158.50'
T = 40.00'
L = 78.17'
E = 4.92'

T.B.M. - 9" NAIL IN 16" OAK
5' RT. STA. 10+75
ELEV. 1094.22

8+63

9+63

NOTE: GRADE TO ASSURE POSITIVE DRAINAGE INTO CHANNELS

PROFILES

STATION	DRAWING
A3+95.58 A-10+84.99 C	9

PLAN OF DITCH "C"

SCALE - 1" = 50' - 0"

NO.	DATE	REVISION	APPR.

SUBMITTED
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 113-2

MINE DRAINAGE POLLUTION ABATEMENT
QUICK STARTS E, F and G
SHAMOKIN CREEK WATERSHED

JOHN S. LUCKENS ASSOC.

P. O. Box 190 Shamokin, Penna.

PLAN OF DITCH C

DRAWN BY	DATE	DRAWING NO.
	January 2, 1974	7 of 14
CHECKE BY	SCALE 1" = 50'	