SURVEY ℄ DATA
P.I. STA. 10+00
Δ-1°40'00" RT.

SURVEY ℄ DATA
P.I. STA. 12+00
Δ-9°22'20" RT.

B.M. EL. 1049.03

□ CUT IN ROCK
STA. 13+21 64'LT. SURV. ℄

SURVEY ℄ DATA
P.I. STA. 14+00
Δ-18°20'00" RT.

STA 10+50
STOP RIPRAP
START TRANSITION

STA 11+00
STOP TRANSITION
START DERRICK STONE

LIMIT OF GRADING AND REVEGETATION
FOR CHANNEL RECONSTRUCTION

LIMIT OF CONTRACTORS
WORKING AREA

12+00

13+00

14+00

SURVEY ℄

CONSTR ℄

MATCH LINE
SEE SHEET 5

LIMIT OF GRADING AND
REVEGETATION FOR
STRIP PIT BACKFILL

15+00

LIMIT OF GRADING AND
REVEGETATION FOR
CHANNEL RECONSTRUCTION

CONSTR ℄ DATA
P.I. STA. 9+91.80
Δ 1°42 RT.
D 2°50' ARC
T 30'
L 60'
R 2022.20'
E 0.22'
P.C. STA. 9+61.80
P.T. STA. 10+21.80

MATCH LINE
SEE SHEET 3

LIMIT OF CONTRACTORS WORKING AREA

LIMIT OF GRADING AND REVEGETATION
FOR CHANNEL RECONSTRUCTION

CONSTR ℄ DATA
P.I. STA. 12+71.76
Δ 24°18' RT.
D 12°00' ARC
T 102.80'
L 202.50'
R 477.47'
E 10.90'
P.C. STA. 11+68.96
P.T. STA. 13+71.46

STA 10+50
STOP RIPRAP
START TRANSITION

PVI STA. 10+50
ELEV 1060.45
VC 100'
MO 0.61'

RIPRAP 18"
FILTER BLANKET 6"
PVC LINER
SAND 3"

STA 10+50
EL. 1059.84

STA 11+00
EL. 1055.93

PLAN
SCALE: 1"=20'

STA 11+00
STOP TRANSITION
START DERRICK STONE

STA 10+50
EL. 1057.59

STA 11+00
EL. 1052.43

DERRICK STONE 2"
RIPRAP 9"
FILTER BLANKET 6"
PVC LINER
SAND 3"

TRANSITION SECTION
SCALE: 1"=4'

PAYLIMIT OF DERRICK STONE
CONST ℄
1½
1
1'-6" TYP.
7'-0"
PROFILE GRADE
5'-0"
2'-0"
DERRICK STONE, 2'-0" DEPTH
RIPRAP, 9" DEPTH
FILTER BLANKET, 6" DEPTH
PVC LINER, 30 MILS THICK
SAND 3" DEPTH

TYPICAL SECTION
STA. 11+00 TO STA. 15+40
SCALE: 1"=5'

PVI STA. 15+00
ELEV. 1019.77
VC 200'
MO 1.55'

PVC.
-4.13%
-9.04%
DATUM 1015

G-1062.62 (51)
1061.65
G-1059.84
1058.60
G-1055.93
1054.32
G-1051.41
1049.11
G-1046.89
1045.29
G-1042.37
1039.79
G-1037.85
1037.33
G-1033.33
1031.38
G-1028.81
G-1024.28
1024.28
G-1021.32

10+00 +42 +50 +92 11+00 +42 +50 +92 12+00 +39 +50 +88 13+00 +50 +78 14+00 +50 +78 15+00

PROFILE
VERT. SCALE 1"=5' HORIZ. SCALE 1"=20'

NO.	DATE	REVISION	APPR.

SUBMITTED
Robert J. Schneider
PROFESSIONAL

APPROVED
CHIEF-DIVISION OF MINE RECLAMATION

APPROVED
DIRECTOR-BUREAU OF DESIGN

COMMONWEALTH OF PENNSYLVANIA
Registered
PROFESSIONAL
ROBERT J. SCHNEIDER
ENGINEER
PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

CONTRACT NO SL 139-1-1

MINE DRAINAGE POLLUTION ABATEMENT
LAUREL RUN
LACKAWANNA RIVER WATERSHED
LACKAWANNA COUNTY, PENNSYLVANIA

ALBERT E. PETERS ASSOCIATES
Engineers-Designers-Consultants
301 North Main Avenue Scranton, Penna. 18504

PLAN, PROFILE & TYPICAL SECTIONS

DRAWN BY	DATE	DRAWING NO.
R.E.N.		4 OF 6
CHECKED BY	SCALE	
R.J.S.	AS NOTED	