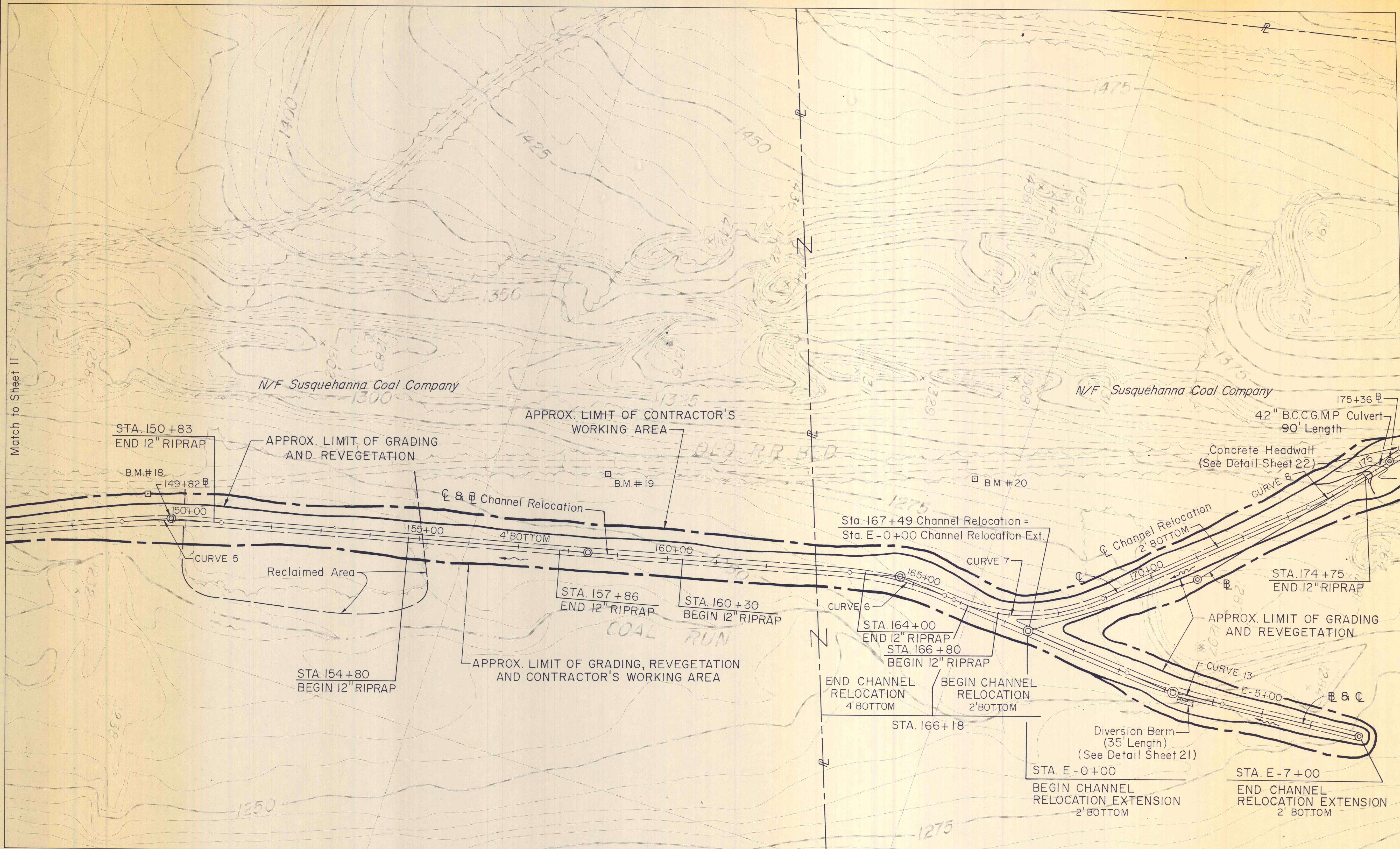


B.M. # 18 Elevation 1246.70
Spike & Washers in top of 12" Oak Stump

B.M. # 19 Elevation 1271.51
Spike & Washers in top of 8" Birch Stump

B.M. # 20 Elevation 1294.83
Spike & Washers in top of 4" Maple Stump



Match to Sheet II

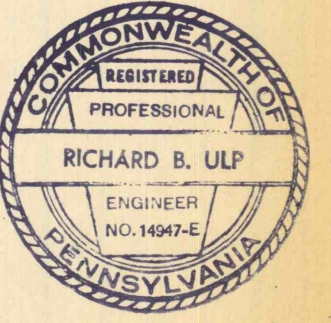
Match to Sheet 18

NO	DATE	REVISION	APPR

SUBMITTED
Richard B. Ulp
PROFESSIONAL

APPROVED
Robert C. Roman
CHIEF - DIVISION OF MINE RECLAMATION

APPROVED
Shelley
DIRECTOR - BUREAU OF DESIGN



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

PROJECT NO. SL 113-5-1

MINE DRAINAGE POLLUTION ABATEMENT
COAL RUN
SHAMOKIN CREEK WATERSHED
NORTHUMBERLAND COUNTY, PA.

ERDMAN, ANTHONY, ASSOCIATES
Consulting Engineers
Camp Hill, Pa. Rochester, N.Y.

PLAN

DRAWN BY GMS	DATE 5-9-75	DRAWING NO. 16 of 28
CHECKED BY DHC	SCALE 1" = 100'	

CURVE 5
P.C. Sta. 148 + 99 @
P.T. Sta. 150 + 99 @
T = 100.30'
Δ = 9°
R = 1273.2'

CURVE 6
P.C. Sta. 163 + 68 @
P.T. Sta. 165 + 68 @
T = 101.10'
Δ = 16°30'
R = 695.1'

CURVE 7
P.C. Sta. 165 + 86 @
P.T. Sta. 168 + 95 @
T = 162.4'
Δ = 45°
R = 383.1'

CURVE 8
P.C. Sta. 173 + 45 @
P.T. Sta. 174 + 45 @
T = 50.23'
Δ = 11°
R = 522'

CURVE 13
P.C. Sta. E - 2 + 18 @ & @
P.T. Sta. E - 4 + 18 @ & @
T = 100.3'
Δ = 8°24'
R = 1364.5'