

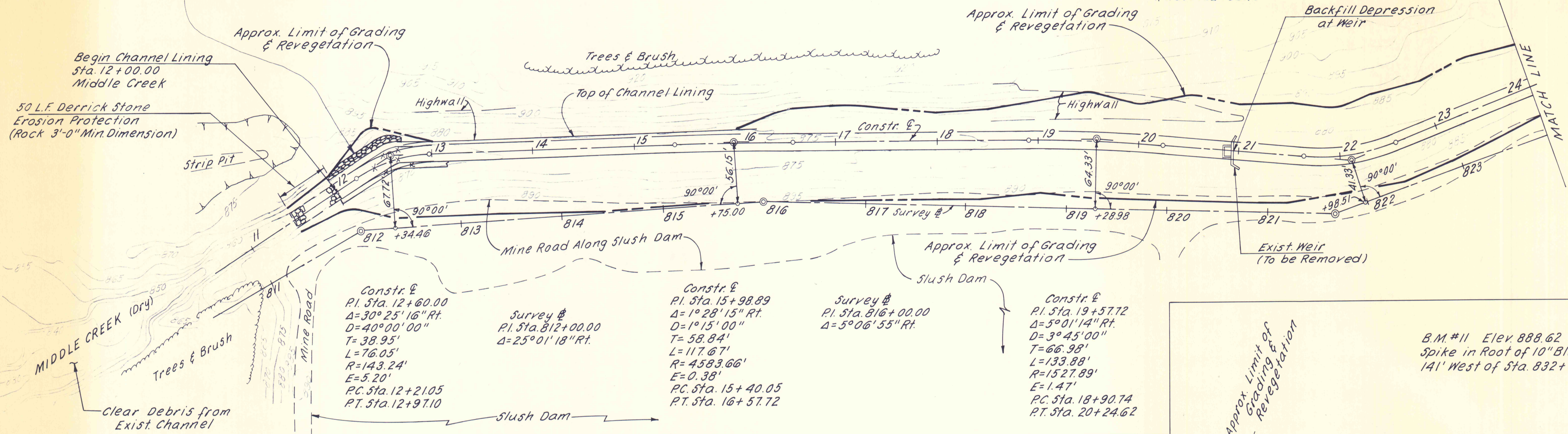
B.M.#15 Elev. 893.40
Spike in Root of 14" Oak
148' N.W. of Sta. 812+00

B.M.#13 Elev. 902.09
Spike in Base of 10" Pine
145' N.W. of Sta. 821+67.13

Constr. &
P.I. Sta. 22+11.37
 $\Delta = 25^\circ 24' 14''$ Lt.
 $D = 27^\circ 30' 00''$
 $T = 46.96'$
 $L = 92.38'$
 $R = 208.35'$
 $E = 5.23'$
P.C. Sta. 21+64.41
P.T. Sta. 22+56.79

Survey #
P.I. Sta. 821+67.13
 $\Delta = 20^\circ 13' 07''$ Lt.

Additional Work due to
Channel Alignment Change:
95 S.Y. Mortared Stone Slope Protection
See Detail A, Drawing 17 of 43. (N.C.)



Constr. &
P.I. Sta. 12+60.00
 $\Delta = 30^\circ 25' 16''$ Rt.
 $D = 40^\circ 00' 00''$
 $T = 38.95'$
 $L = 76.05'$
 $R = 143.24'$
 $E = 5.20'$
P.C. Sta. 12+21.05
P.T. Sta. 12+97.10

Survey #
P.I. Sta. 812+00.00
 $\Delta = 25^\circ 01' 18''$ Rt.

Constr. &
P.I. Sta. 15+98.89
 $\Delta = 1^\circ 28' 15''$ Rt.
 $D = 1^\circ 15' 00''$
 $T = 58.84'$
 $L = 117.67'$
 $R = 4583.66'$
 $E = 0.38'$
P.C. Sta. 15+40.05
P.T. Sta. 16+57.72

Survey #
P.I. Sta. 816+00.00
 $\Delta = 5^\circ 06' 55''$ Rt.

Constr. &
P.I. Sta. 19+57.72
 $\Delta = 5^\circ 01' 14''$ Rt.
 $D = 3^\circ 45' 00''$
 $T = 66.98'$
 $L = 133.88'$
 $R = 1527.89'$
 $E = 1.47'$
P.C. Sta. 18+90.74
P.T. Sta. 20+24.62

B.M.#11 Elev. 888.62
Spike in Root of 10" Black Oak
141' West of Sta. 832+31.26

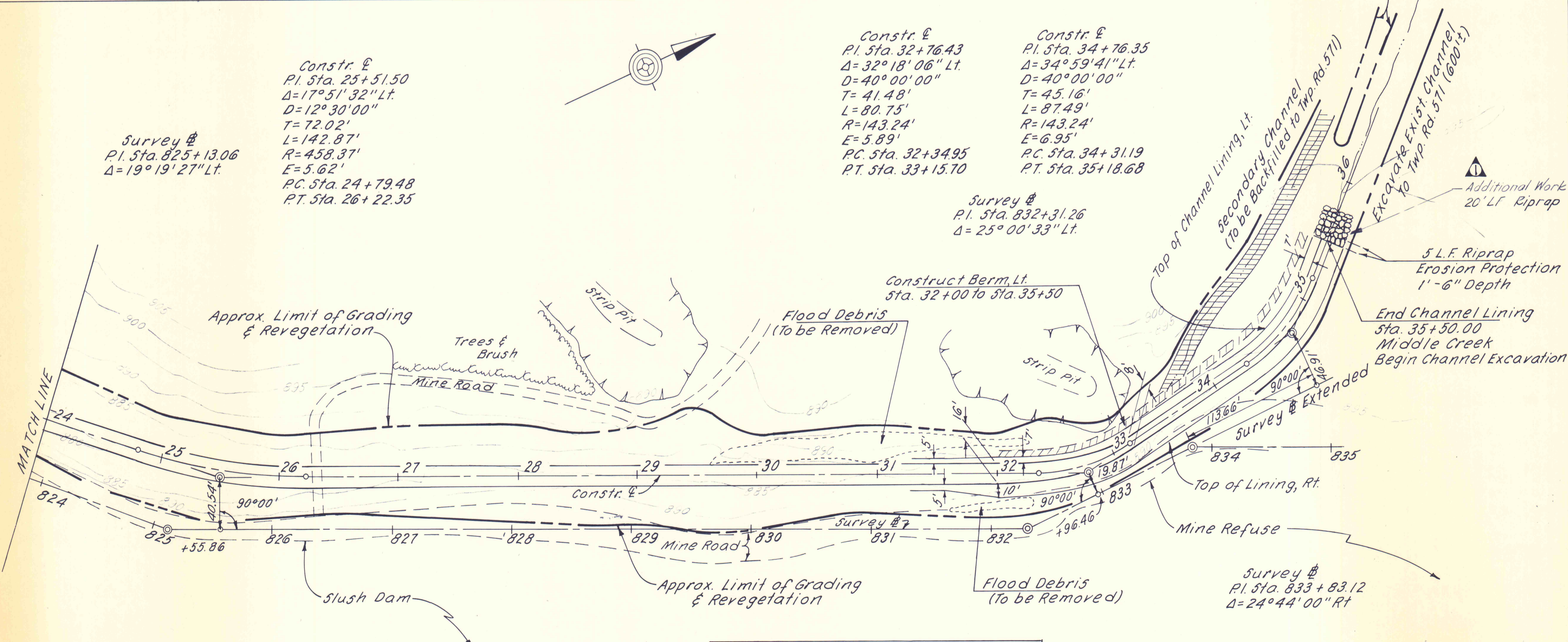
Survey #
P.I. Sta. 825+13.06
 $\Delta = 19^\circ 19' 27''$ Lt.

Constr. &
P.I. Sta. 25+51.50
 $\Delta = 17^\circ 51' 32''$ Lt.
 $D = 12^\circ 30' 00''$
 $T = 72.02'$
 $L = 142.87'$
 $R = 458.37'$
 $E = 5.62'$
P.C. Sta. 24+79.48
P.T. Sta. 26+22.35

Constr. &
P.I. Sta. 32+76.43
 $\Delta = 32^\circ 18' 06''$ Lt.
 $D = 40^\circ 00' 00''$
 $T = 41.48'$
 $L = 80.75'$
 $R = 143.24'$
 $E = 5.89'$
P.C. Sta. 32+34.95
P.T. Sta. 33+15.70

Constr. &
P.I. Sta. 34+76.35
 $\Delta = 34^\circ 59' 41''$ Lt.
 $D = 40^\circ 00' 00''$
 $T = 45.16'$
 $L = 87.49'$
 $R = 143.24'$
 $E = 6.95'$
P.C. Sta. 34+31.19
P.T. Sta. 35+18.68

Survey #
P.I. Sta. 832+31.26
 $\Delta = 25^\circ 00' 33''$ Lt.



Construct Berm, Lt.
Sta. 32+00 to Sta. 35+50

Survey #
P.I. Sta. 833+83.12
 $\Delta = 24^\circ 44' 00''$ Rt.

For Typical Sections see Sheet No. 40
For 1"=100' Site Plan see Sheet No. 15
For Channel Profile see Sheet No. 20

1	1/13/77	AS BUILT		
2	1/13/77	AS BUILT		
NO	DATE	REVISION	APPR.	
SUBMITTED <i>Norman E. Mitchell</i>				
APPROVED <i>Robert C. Pinner</i> CHIEF - DIVISION OF MINE DRAINAGE REHABILITATION				
APPROVED <i>[Signature]</i> DIRECTOR - BUREAU OF CONSULTING SERVICES				
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES OFFICE OF ENGINEERING AND CONSTRUCTION PROJECT NO. SL-126-2-7 MINE DRAINAGE POLLUTION ABATEMENT SWATARA CREEK WATERSHED SCHUYLKILL COUNTY BERGER ASSOCIATES, INC. Consulting Engineers P.O. Box 1943 Harrisburg, Penna.				
MIDDLE CREEK CHANNEL LINING				
DRAWN BY W. G.	DATE APR. 17, 1973	DRAWING NO.		16 of 43
CHECKED BY M. W.	SCALE 1" = 50'			