

COARSE REFUSE DISPOSAL FOR THE REPORTING PERIOD
 PIEZOMETER LEVELS - AS OF AUGUST 15, 1990

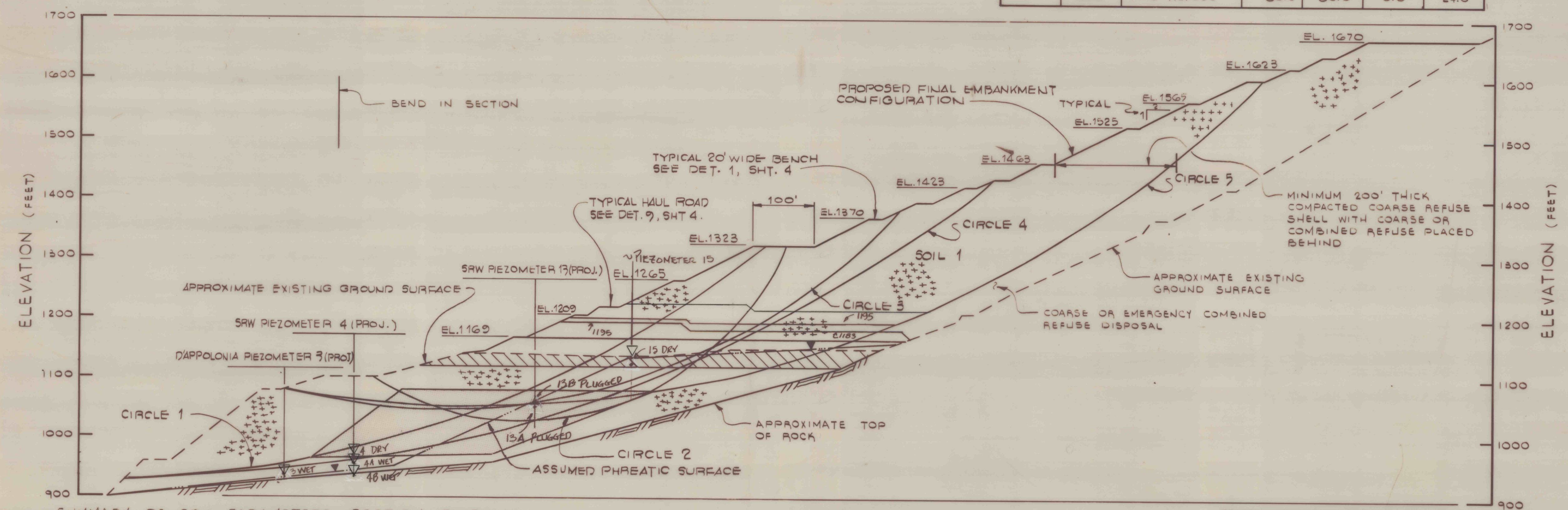
SECTION A-A
SCALE: 1" = 100'

SUMMARY OF SOIL PARAMETERS, SECTION A-A

SOIL TYPE NO.	SOIL TYPE SYMBOL	SOIL DESCRIPTION	TOTAL UNIT WEIGHT (P.C.F.)	SATURATED UNIT WEIGHT (P.C.F.)	COHESION INTERCEPT (P.S.F.)	FRICTION ANGLE (DEG.)
1	+	COARSE REFUSE	110.0	110.0	0.0	33.0
2	□	FINE REFUSE (SLURRY)	80.0	80.0	0.0	30.0
3	▨	COMBINED REFUSE	115.0	115.0	0.0	30.0
4	•	FINE REFUSE	80.0	80.0	0.0	24.0

PIEZOMETER INSTALLATION SCHEDULE

Piezometer	Depth (ft.)	Sensing Zone	Install During Stage
15A	60	Coarse Refuse	V
15B	100	Slurry	V
16A	60	Coarse	VII
16B	100	Slurry	VII
17A	85	Coarse	IX
17B	110	Slurry	IX
18A	50	Coarse	X
18B	90	Slurry	X



SUMMARY OF SOIL PARAMETERS, SECTION B-B

SOIL TYPE NO.	SOIL TYPE SYMBOL	SOIL DESCRIPTION	TOTAL UNIT WEIGHT (P.C.F.)	SATURATED UNIT WEIGHT (P.C.F.)	COHESION INTERCEPT (P.S.F.)	FRICTION ANGLE (DEG.)
1	+	COARSE REFUSE	110.0	110.0	0.0	33.0
2	□	FINE REFUSE (SLURRY)	78.0	78.0	0.0	18.0, 24.0 *
3	▨	COMBINED REFUSE	115.0	115.0	0.0	30.0

SECTION B-B
SCALE: 1" = 100'

* FOR STATIC ANALYSIS $\phi = 24^\circ$; FOR SEISMIC ANALYSIS $\phi = 18^\circ$

SRW ASSOCIATES INC.

SCALE: 1" = 100' APPROVED BY: *[Signature]* DRAWN BY: B. SNYDER

DATE: FEB. 24, 1984 CHECKED BY: *[Signature]*

BETHLEHEM MINES CORPORATION
WEST VIRGINIA DIVISION
BOONE NO. 131 MINE
EXISTING COAL REFUSE DISPOSAL FACILITY
VAN, WEST VIRGINIA

STABILITY SECTIONS A-A AND B-B SHEET NUMBER 9 of 13
DRAWING NUMBER 83155 - E8