

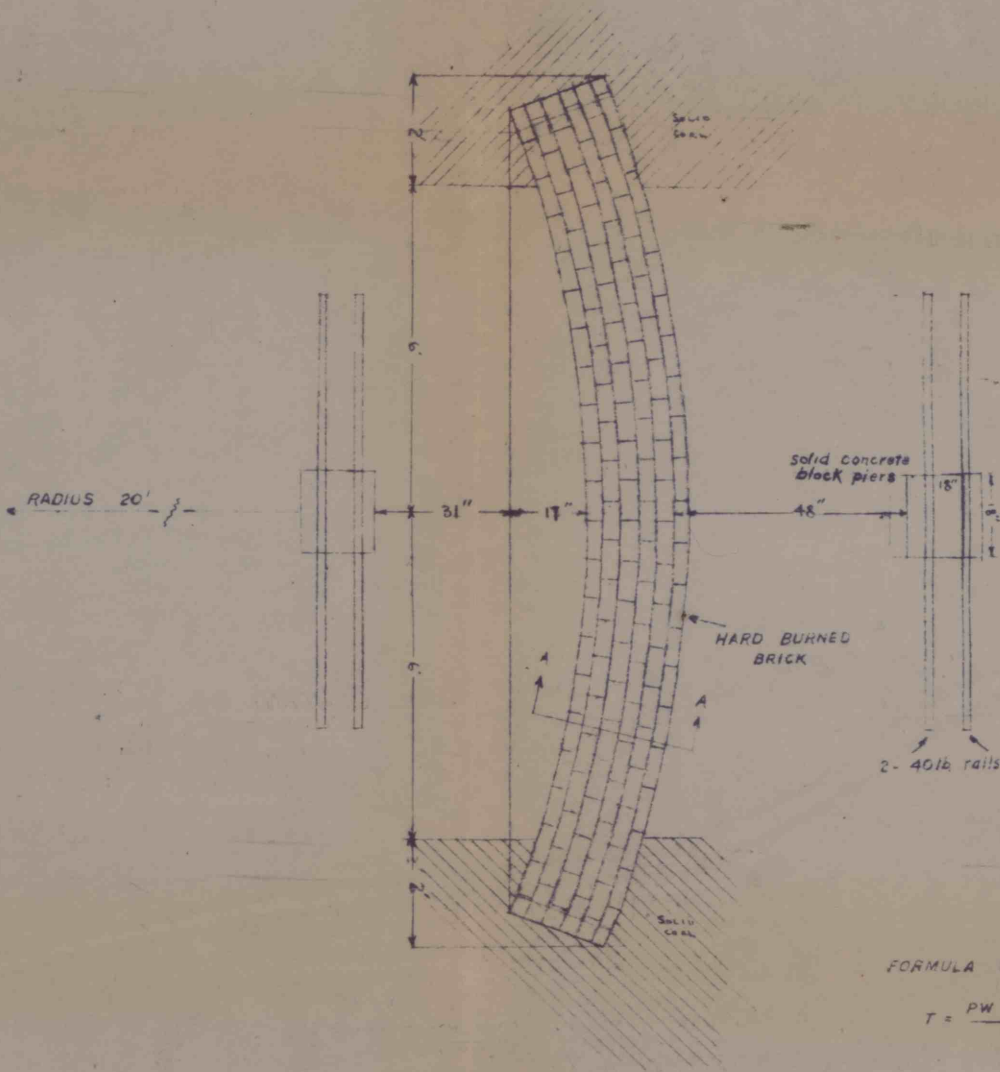
WESTLAND MINE

SCALE 1"=2'

PITTSBURGH COAL COMPANY
Division of Pittsburgh Consolidation Coal Co.

CONSTRUCTION PLAN OF BULKHEADS
IN 3RD EAST
SEE ATTACHED PLAN FOR LOCATION
DAM NO'S. 1,2,3,4,6,7,8.

REF. "C"



FORMULA FOR DAM THICKNESS

$$T = \frac{PW \sqrt{4R-1}}{4.5}$$

- T : THICKNESS OF DAM IN INCHES
- R : SHORTER RADIUS IN INCHES
- W : WIDTH OF OPENING IN INCHES
- S : COMPRESSIVE STRENGTH OF BRICK IN LBS. PER SQ. IN. USED 1000 LBS. PER SQ. IN.
- P : WATER PRESSURE AT DAM IN POUNDS PER SQUARE INCH.

