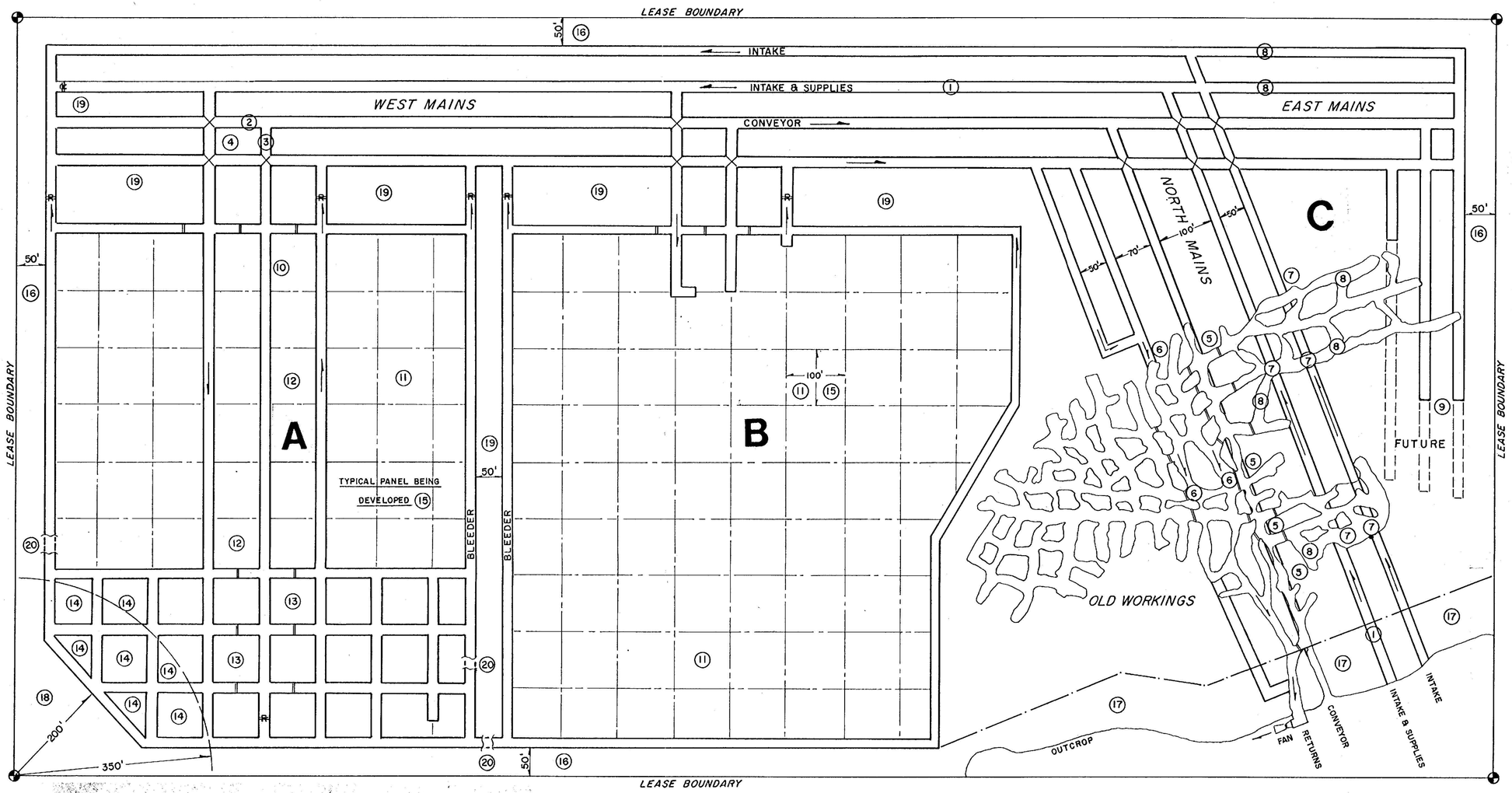


— LEGEND —

OVERCAST
REGULATOR
STOPPING
FUTURE
VENTILATION MOVEMENT
PROPERTY CORNER

-NOTE-

DEVELOPMENT

(1) Typical development entry will be 20' wide.

(2) Typical development crosscut spacing will be 100' (crosscuts not shown for simplification of ventilation plan but each crosscut will be placed as required by state and federal mining regulations).

(3) Typical development entry: center to center distance is 70' except where noted.

(4) Typical development pillar is 80' long and 50' wide.

(5) The conveyor entry in the old workings will be widened to accommodate the 42" mine conveyor.

(6) Return ventilation entry is through the old workings. They will also be modified and updated to state and federal regulations.

(7) Intake and supply entries through the old workings will be properly timbered and secured.

(8) Adequate underground storage for mine supplies such as rock dust, timbers, etc.

(9) These entries will be stopped at this point until full retreat can begin.

PANEL DEVELOPMENT

(10) Typical panel development entries will be 20' wide.

(11) Typical panel development crosscuts spacing will be 100'.

(12) Typical panel development entry: center to center distance is 100'.

(13) Typical panel development pillar is 80' x 80'.

(14) 50% extraction (for subsidence control).

(15) 80% extraction.

BARRIER PILLARS

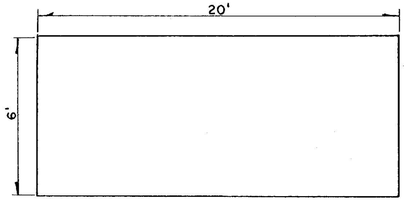
(16) 50' boundary pillar.

(17) 100' outcrop pillar.

(18) 200' subsidence control pillar.

(19) Panel barrier pillar.

(20) The bleeder systems are shown for illustrative purposes only and will be mined as the panel is developed.



TYPICAL ENTRY DIMENSIONS

200' 100' 0 100' 200'

SCALE: 1" = 100'

GENWAL COAL COMPANY, INC.		
DATE: 8-29-81		DRAWN BY: I. L.
SCALE: 1" = 100'		APPROVED: D. A. S.
MINE PLAN - HIAWATHA COAL SEAM		
COAL SYSTEMS, INC.		4047-1