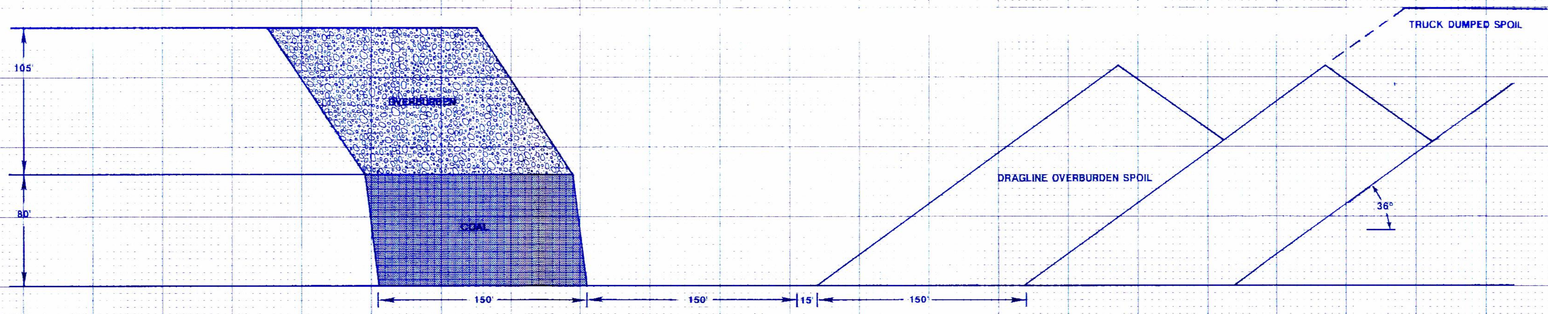
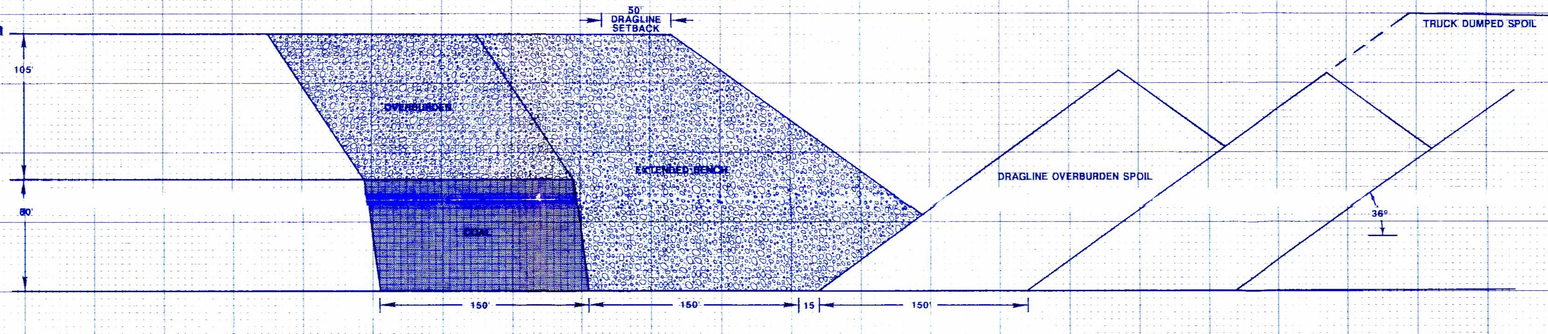
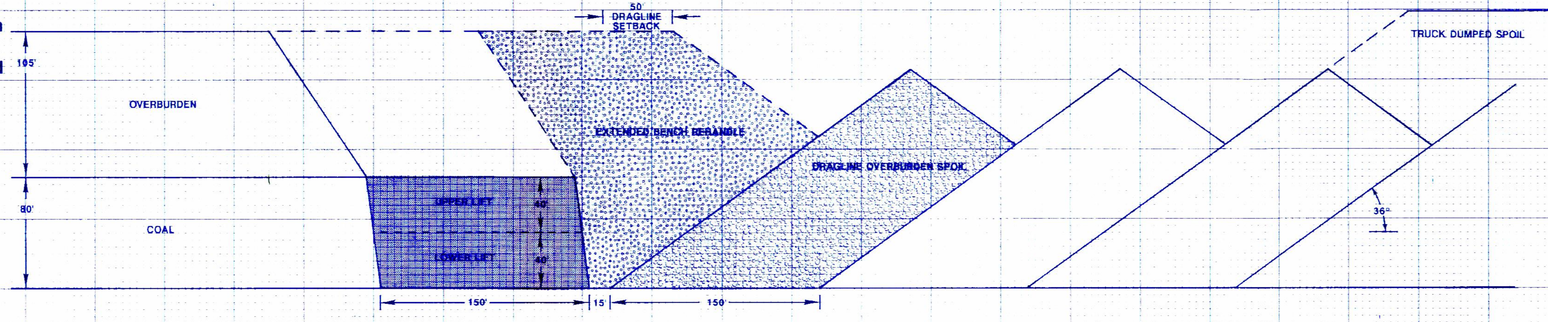
STAGE 1: Mining completed in previous cut. Dragline begins stripping present cut.



STAGE 2: Dragline strips cut using extended bench technique. In order to keep the toe of coal clear of spoil, the dragline must sit directly above the outer edge of coal. The dragline spoils overburden from this set and material from the previous set's bench to construct an extended bench to reach this position.



STAGE 3: Dragline completes stripping overburden and rehandling extended bench material to expose the coal block. A 15' slot road is excavated along the toe of spoil to catch low wall coal spillage. Mobile equipment is used to push this spillage back to the loading shovel.



CALCULATIONS FOR MAXIMUM DRAGLINE DIGGING DEPTH OF 105' PROVIDING MINIMUM OPERATIONAL PIT WIDTH OF 150'

EFFECTIVE DRAGLINE STRIPPING RATIO

$$= \frac{\text{[Prime OB(BCY) + Rehandle OB(BCY)]}}{\text{Recoverable Coal (tons)}}$$

EDSR (per ft. of advancement)

$$\frac{\text{[(583 BCY) + (691 BCY)]}}{\text{473 Rtons}} = 2.69 \frac{\text{BCY}}{\text{Rton}}$$

@ 96.8% Recovery

STAGE 4: Coal mining is completed.

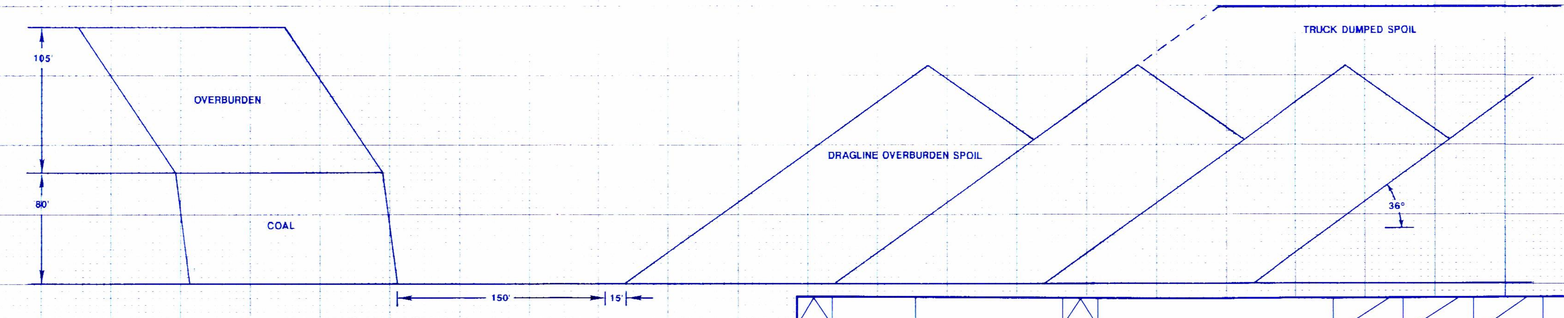


Plate 17B

REF.	DRWG. NO.	REMARKS	REV.	DESCRIPTION	BY	DATE	CHK.	DATE	APP.	DATE

SPRING CREEK COAL COMPANY
P.O. BOX 67 DECKER, MONTANA 59025

DRAGLINE STRIPPING TECHNIQUES
EXTENDED BENCH METHOD

DSN. BY: GJL	DRWN. BY: GL/DR	CHK. BY GJL	SCALE HORIZ. 1"=50
DATE	DATE 10/91	DATE	VERT. 1"=50
DRWG. NO. D-9102-D	APPROVED	APPROVED	REV.

LANNAN'S SUPPLY CO.
SHERIDAN, WY