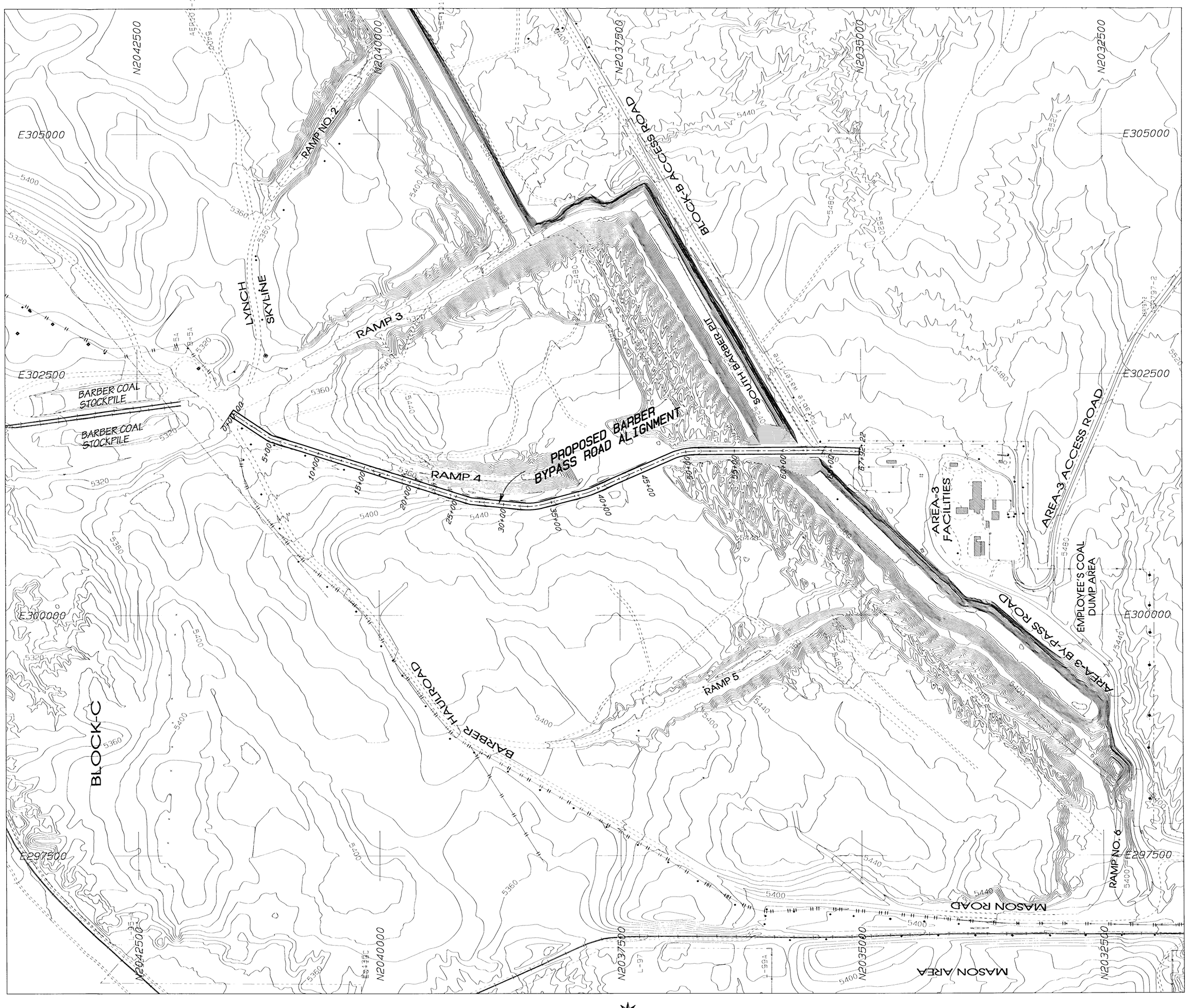
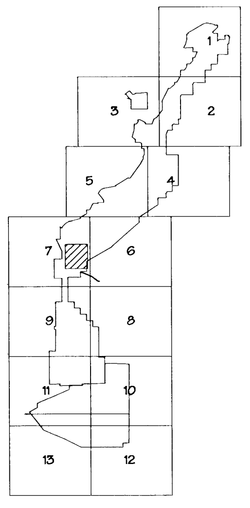


LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- x5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45 LEASE CORNER
- L-30 PERMIT/LEASE BOUNDARY

NOTES

1. For hydrology and design information refer to Appendix 11-F in the approved PAP.
2. The watershed areas for culverts are shown on Exhibit 11-120.



SCALE AS NOTED

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER

11-22-02

REV. NO.	DESCRIPTION	REV. BY	DATE
1	SUBMITTED TO SMCRA FOR APPROVAL	SK	11-22-02
2			
3			
4			
5			

PROJECT MANAGER: SS
ENGR. OF RECORD: LR
REG. NO. 6600
SRVYR. OF RECORD:
REG. NO.

BHP NAVAJO COAL CO.
NAVAJO MINE
PO BOX 1717, FRUITLAND, NEW MEXICO, 87416

ACCOUNT:
DATE: NOV. 22, 2002
DESIGNED BY: SKY
DRAWN BY: SKY
CHECKED BY: LR
APPROVED BY: LR

LOCATION MAP

EXHIBIT 11-100 BARBER BYPASS ROAD DESIGN

DRAWING

SHEET 1 OF 3