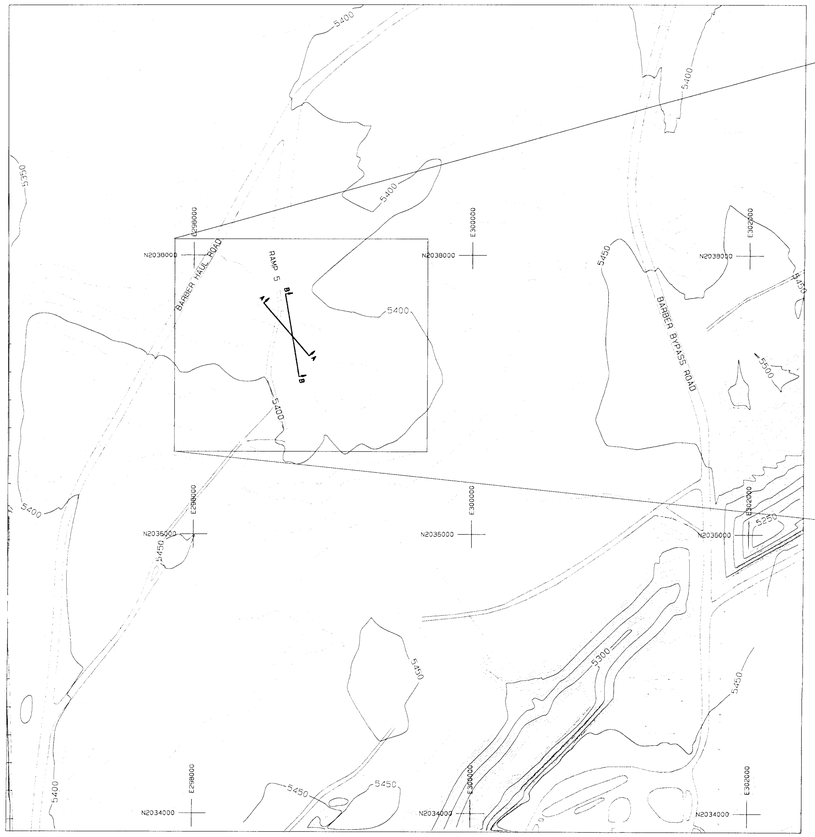
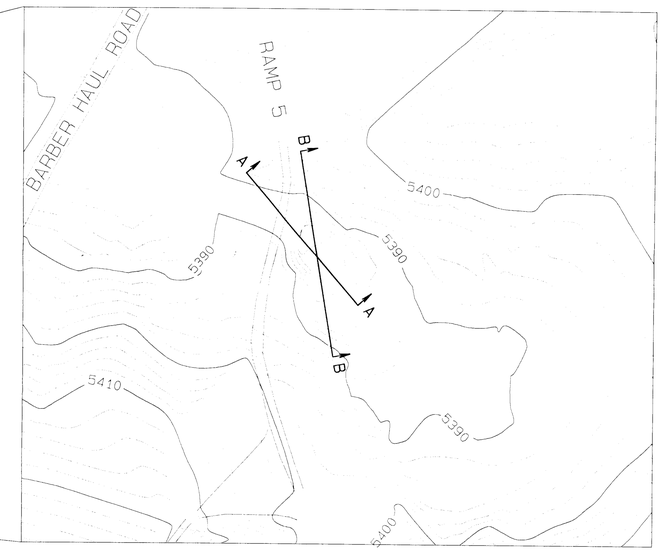
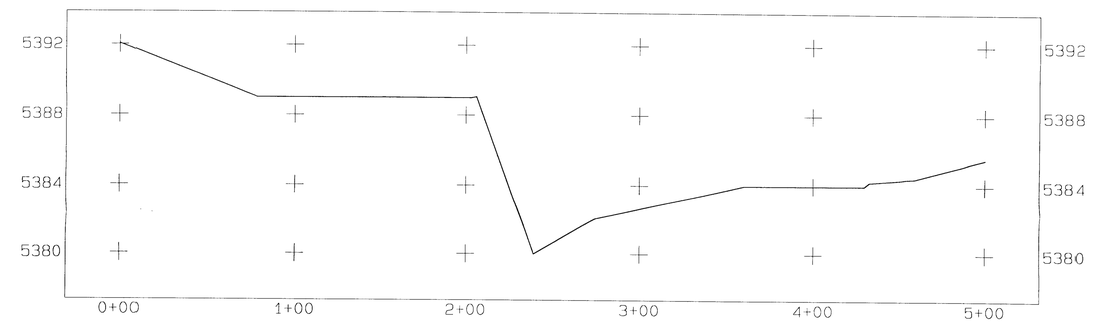


Scale: 1" = 500'

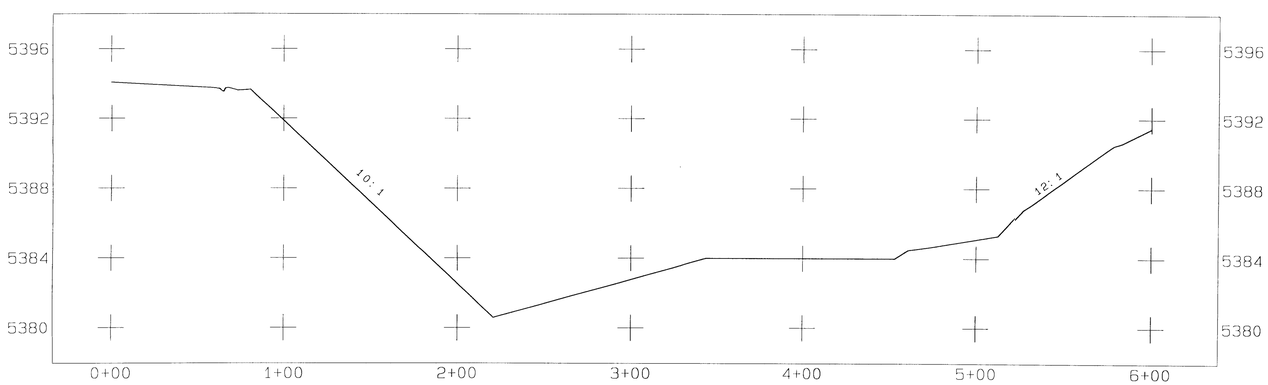


Scale: 1" = 200'



SECTION A - A

Scale Horizontal 1" = 40'
Vertical 1" = 4'



SECTION B - B

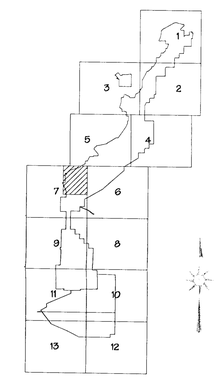
Scale Horizontal 1" = 40'
Vertical 1" = 4'

LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45 CONTROL
- L-30 LEASE CORNER

NOTES

1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. See Exhibit 11-050 for South Barber Pond design, respectively.
3. For watershed area, see Exhibit 11-13D.
4. See Table 11-5F for impoundment data.



SCALE AS NOTED

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5380	0.00	0.00	0.00
5381	0.05	0.02	0.02
5382	0.13	0.09	0.11
5383	0.25	0.19	0.31
5384	0.66	0.45	0.76
5385	0.94	0.80	1.56
5386	1.17	1.05	2.61
5387	1.45	1.31	3.92
5388	2.02	1.73	5.65
5389	2.72	2.37	8.02

1-30-00

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

1-31-00

NO	DESCRIPTION	DATE
1	SUBMITTED TO OSM FOR APPROVAL	01-30-00
2		
3		
4		

PROJECT MANAGER: BEN MOSKIE
ENGR. of RECORD: LEONARD RAYMOND REG. NO. 6600
SPVR of RECORD: REG. NO.

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

ACCOUNT:
DATE: JAN. 30, 200
DESIGNED BY: W/ NARGLEN
DRAWN BY: W/ NARGLEN
CHECKED BY: LEONARD RAYMOND
APPROVED BY: LEONARD RAYMOND

PLAN, PROFILE AND SECTION

EXHIBIT 11-050
SOUTH BARBER POND
DESIGN

Path: G:\Departments\Eng\Engineering\Projects\Impoundment Design 2 - 01-30-00.dwg