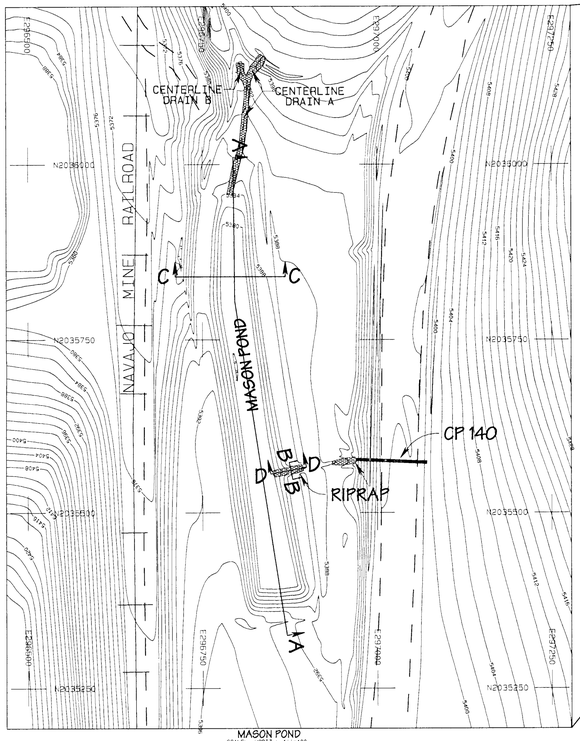
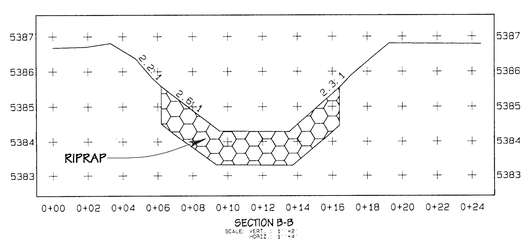
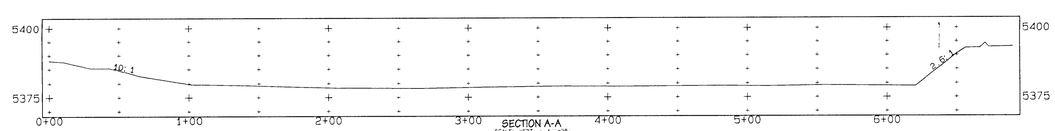


MASON POND
SCALE: HORIZ.: 1" = 100'

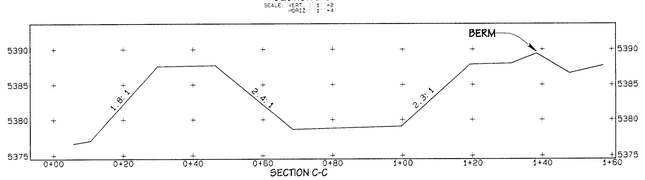
LOCATION MAP
SCALE: HORIZ.: 1" = 400'



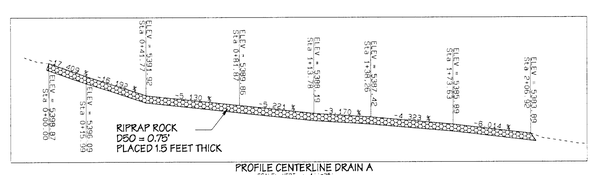
SECTION B-B
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 5'



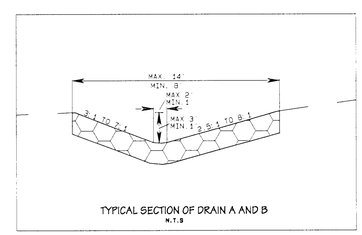
SECTION A-A
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 50'



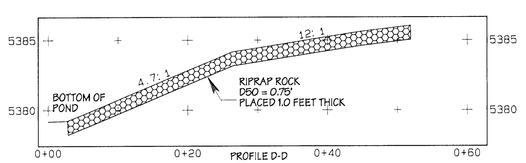
SECTION C-C
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 50'



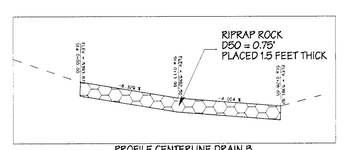
PROFILE CENTERLINE DRAIN A
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 50'



TYPICAL SECTION OF DRAIN A AND B
N.T.S



PROFILE D-D
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 50'



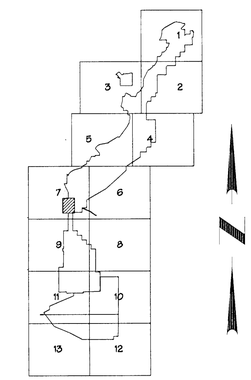
PROFILE CENTERLINE DRAIN B
SCALE: VERT.: 1" = 5' HORIZ.: 1" = 50'

LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- LEASE LINE

NOTES

1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. Blueline Elevations can be found in Table 11-5.
3. Gauge post base elevation: 5379.54 (GPS).



STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5378	.01	0.00	0.00
5379	0.27	0.14	0.14
5380	0.48	0.38	0.52
5381	0.55	0.51	1.03
5382	0.61	0.58	1.61
5383	0.69	0.65	2.26
5384	0.76	0.72	2.99
5385	0.83	0.80	3.78
5386	0.91	0.87	4.65
5387	1.1	1.01	5.66

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this impoundment has been constructed in accordance with the approved design plans and that this information shown is complete and accurate to the best of my knowledge, except as noted below.

1. The D50 riprap size placed in the inlet is less than the design due to decreases in the peak flow and the inlet slope

LEONARD RAYMOND NEW MEXICO 6800 REGISTERED PROFESSIONAL ENGINEER 11-29-06

11-29-06

DEC 2006 APPROVED

NO.	DESCRIPTION	REV. BY	DATE
1	SUBMITTED TO OSM FOR APPROVAL	AY	04-27-06
2	REVISED PER REVIEW COMMENTS	AY	11-29-06
3	NORTH SIDE OF CANAL (GRADE A AND B)		
4			
5			

PROJECT MANAGER: AY
ENGR. of RECORD: LR
REG. NO. 6800
SRVYR of RECORD:
REG. NO.

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

ACCOUNT:
DATE: APRIL 17, 2000
DESIGNED BY: AY
DRAWN BY: AY
CHECKED BY: LR
APPROVED BY: LR

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-139A
MASON POND AS-BUILT

DRAWING

SHEET 1 OF 1

PROJECT DATE: C:\Departments\GIS\GIS4\SURVEYS\2006\SUV-13.DWG MASON POND\AS-BUILT APR. PLOT TIME MON NOV 27 08:26:32 2006