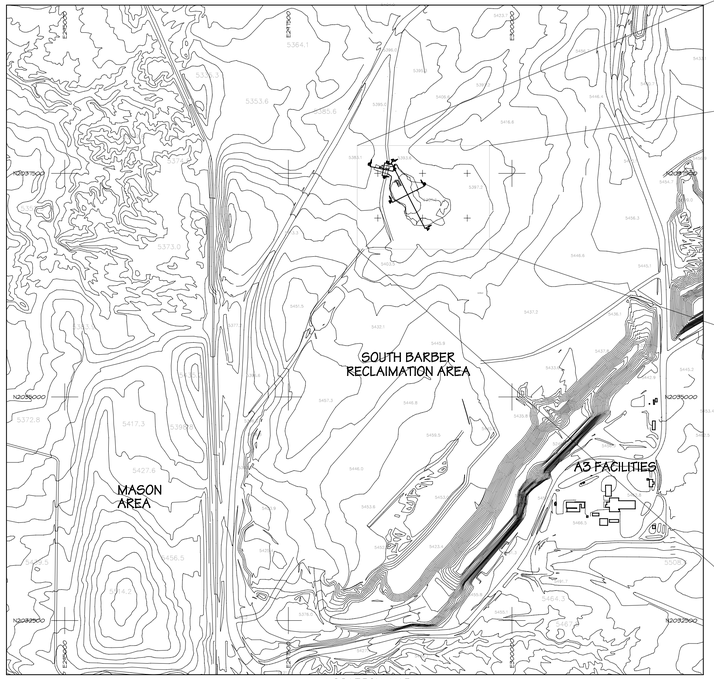


LOCATION MAP
Scale: 1" = 800'

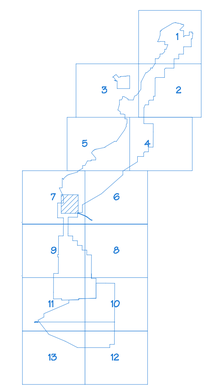
PLAN
Scale: 1" = 100'

LEGEND

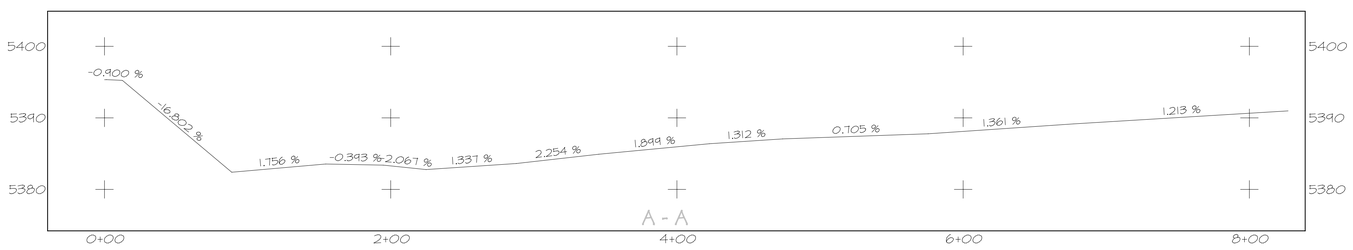
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY

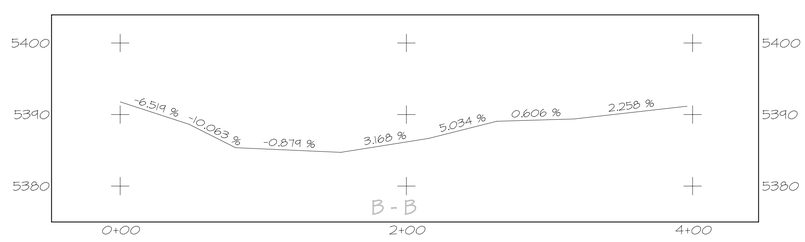
NOTES

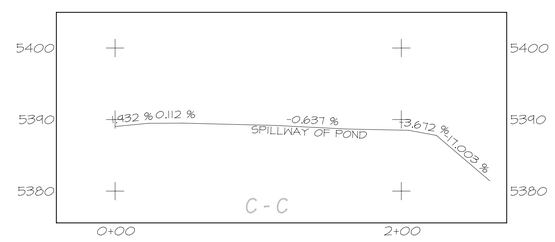
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. For watershed area, see Exhibit 11-13D.
3. See Table 11-5F for impoundment data.



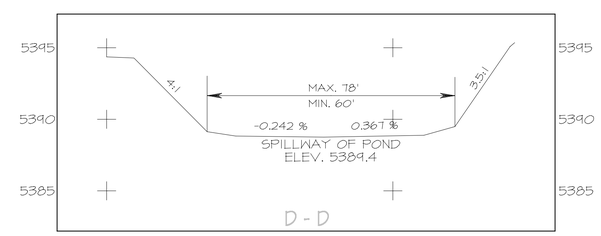
SCALE AS NOTED







TYPICAL SECTIONS
HORIZONTAL=1"=50'
VERTICAL=1"=10'



TYPICAL SECTION
HORIZONTAL=1"=25'
VERTICAL=1"=5'

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5381.4	0.01	0.00	0.00
5382	0.04	0.03	0.03
5384	0.43	0.52	0.54
5386	1.04	1.52	2.07
5388	2.06	3.15	5.22
5388.4	2.35	0.95	6.17
5389.4	4.82	3.58	9.75

CERTIFICATION STATEMENT

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

LEONARD RAYMOND
NEW MEXICO
6600
REGISTERED PROFESSIONAL ENGINEER

REV NO.	DESCRIPTION	REV BY	DATE
1	SUBMITTED TO DOM FOR REVIEW		6-15-06
2			
3			
4			
5			

PROJECT MANAGER: DR
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: 6-15-06
DESIGNED BY: RY
DRAWN BY: RY
CHECKED BY: LR
APPROVED BY: DR

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-050A
SOUTH BARBER POND
AS-BUILT

DRAWING

SHEET 1
OF 1

PATH: \\SUCHO\Pro_DRIVE\Data\Department\Engineering\Projects\Pond_Ca_Up\Pond_Ca_Up\11-050 - South Barber Impoundment\Terraces\South Barber Pond-As-built.prp