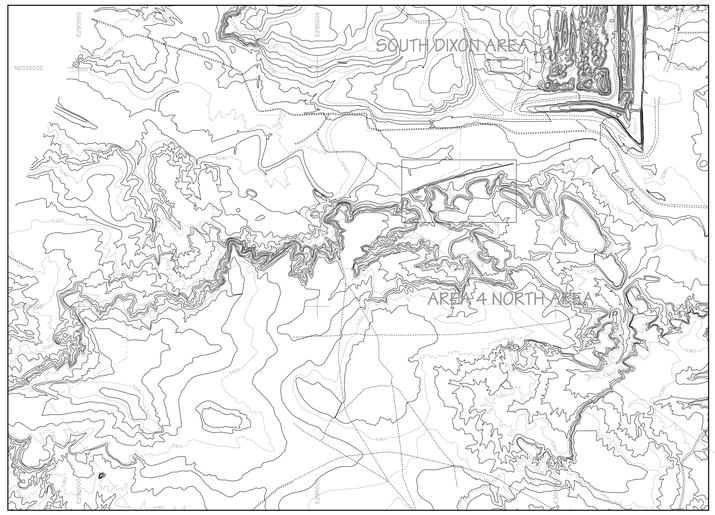
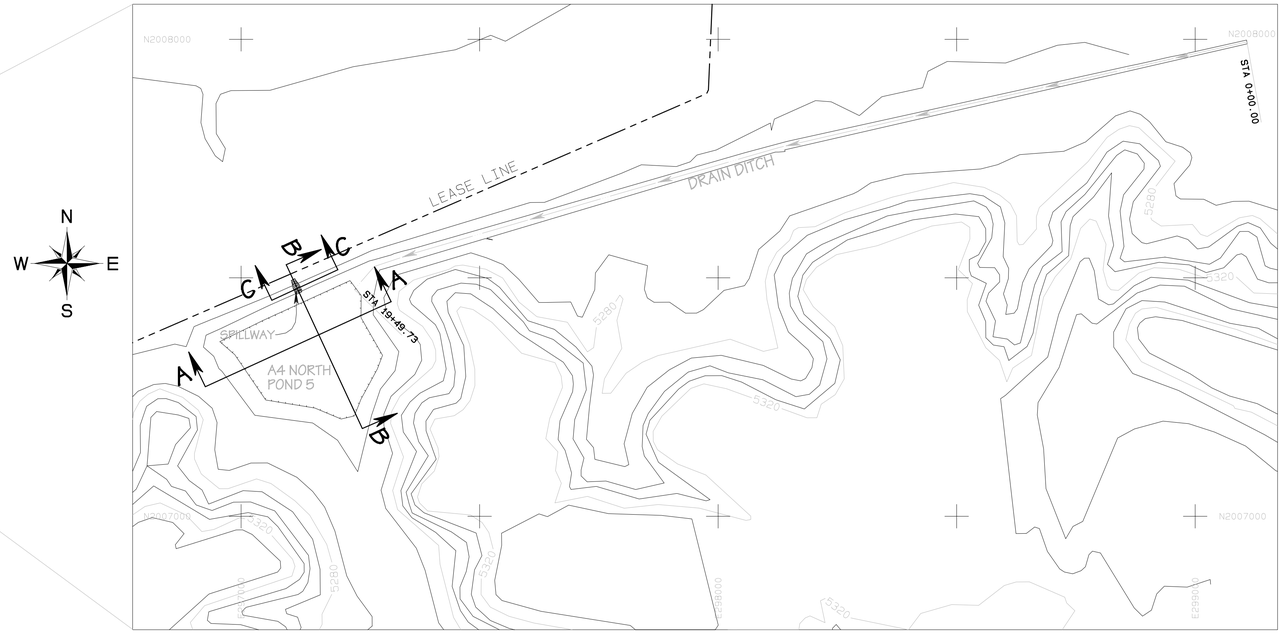


LOCATION MAP
Scale: 1" = 1500'



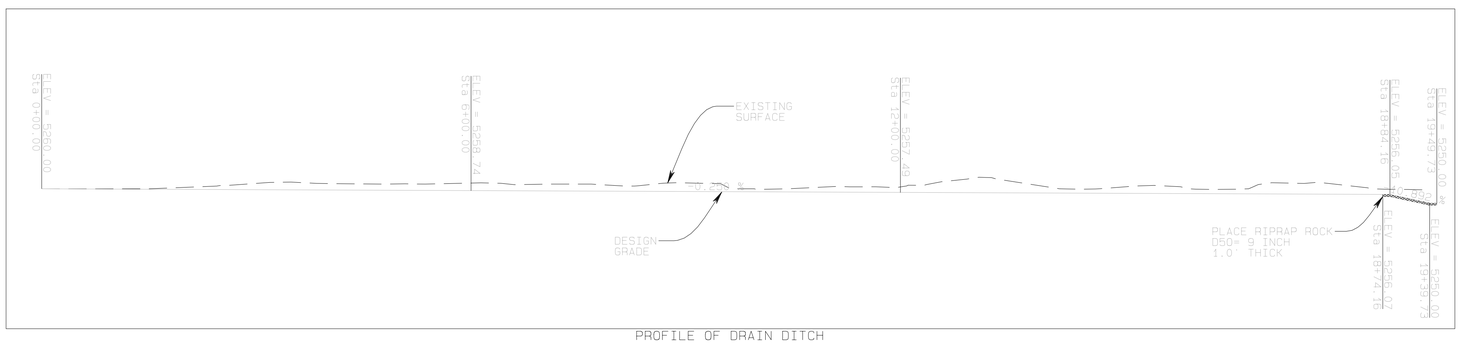
PLAN
Scale: 1" = 150'

LEGEND

- ROAD
- WATERSHED
- BUILDING
- DRAIN DITCH
- 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

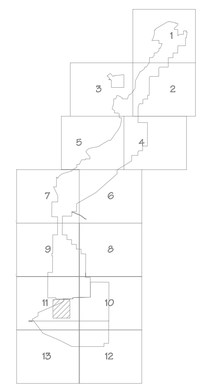
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. The watershed areas for impoundment and pond locations are shown on Exhibit 11-13F.



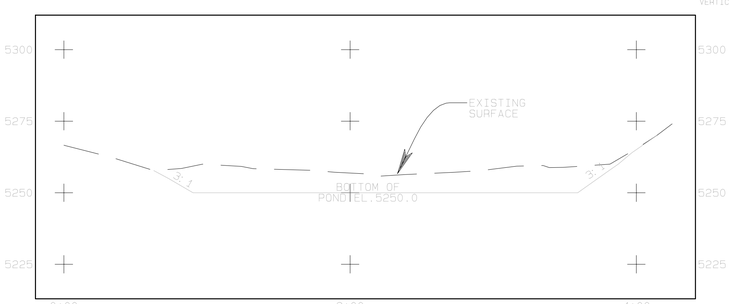
PROFILE OF DRAIN DITCH
HORIZONTAL=1"=150'
VERTICAL=1"=30'

STAGE STORAGE DATA

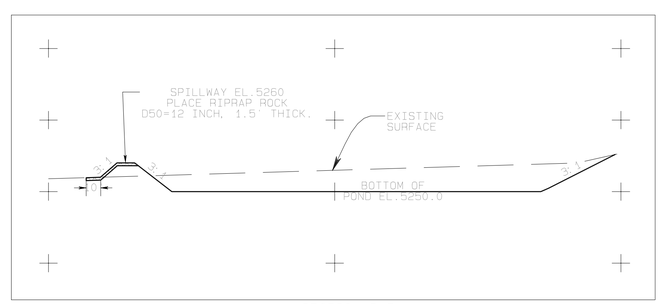
ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5250	1.33	0.00	0.00
5252	1.47	2.80	2.80
5254	1.62	3.09	5.89
5256	1.78	3.40	9.29
5258	2.19	3.96	13.25
5260	2.79	4.98	18.23
5262	3.58	6.37	24.60
5262.5	3.83	1.85	26.45



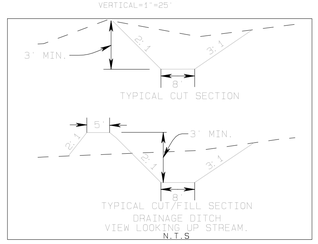
SCALE AS NOTED

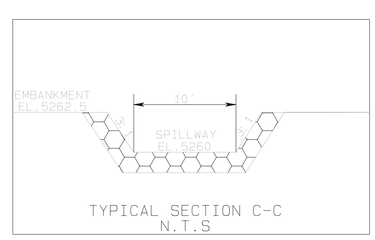


SECTION A-A
HORIZONTAL=1"=50'
VERTICAL=1"=25'



SECTION B-B
HORIZONTAL=1"=50'
VERTICAL=1"=25'





TYPICAL SECTION C-C
N.T.S

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

REV NO.	DESCRIPTION	REV BY	DATE
1	SUBMITTED TO OSM FOR APPROVAL	RH	11-18-04
2			
3			
4			
5			

PROJECT MANAGER: DA
ENGR. AT RECORD: LR REG. NO. 6600
SRVYR AT RECORD: REG. NO.

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

ACCOUNT:
DATE: 11-16-04
DESIGNED BY: RH
DRAWN BY: RH
CHECKED BY: LR
APPROVED BY: LR

PLAN, PROFILE AND SECTION

EXHIBIT 11-120
AREA 4 NORTH POND 5
DESIGN

DRAWING

SHEET 1 OF 1

Path: G:\Department\GIS\OSM_SUBMITTED_PROJ\Ch_11_PAP_EXHIBIT\11-120-4AN_POND 5-.dwg