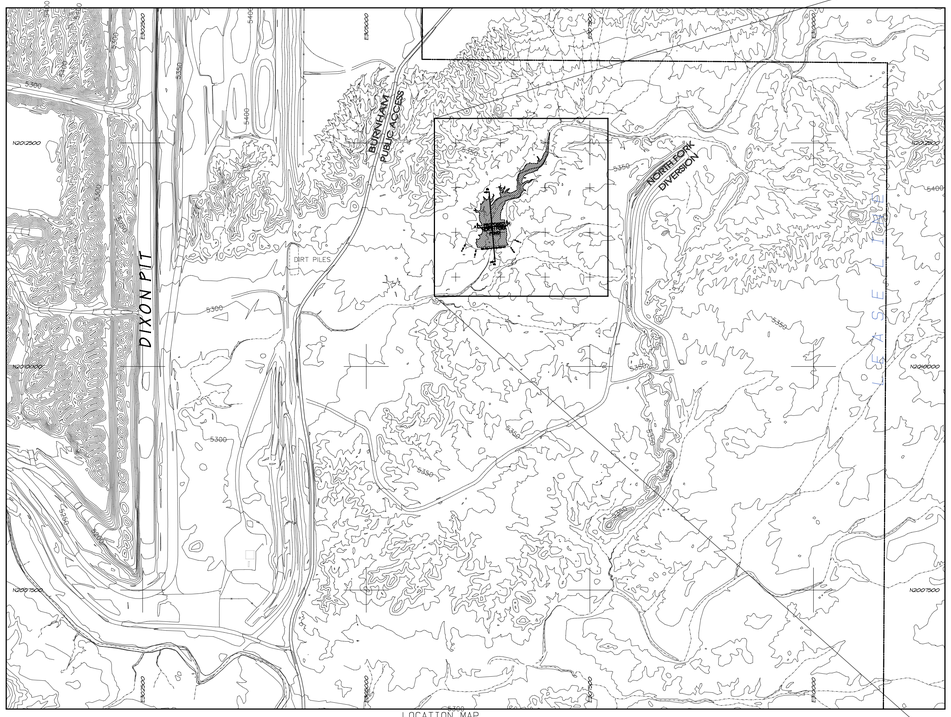
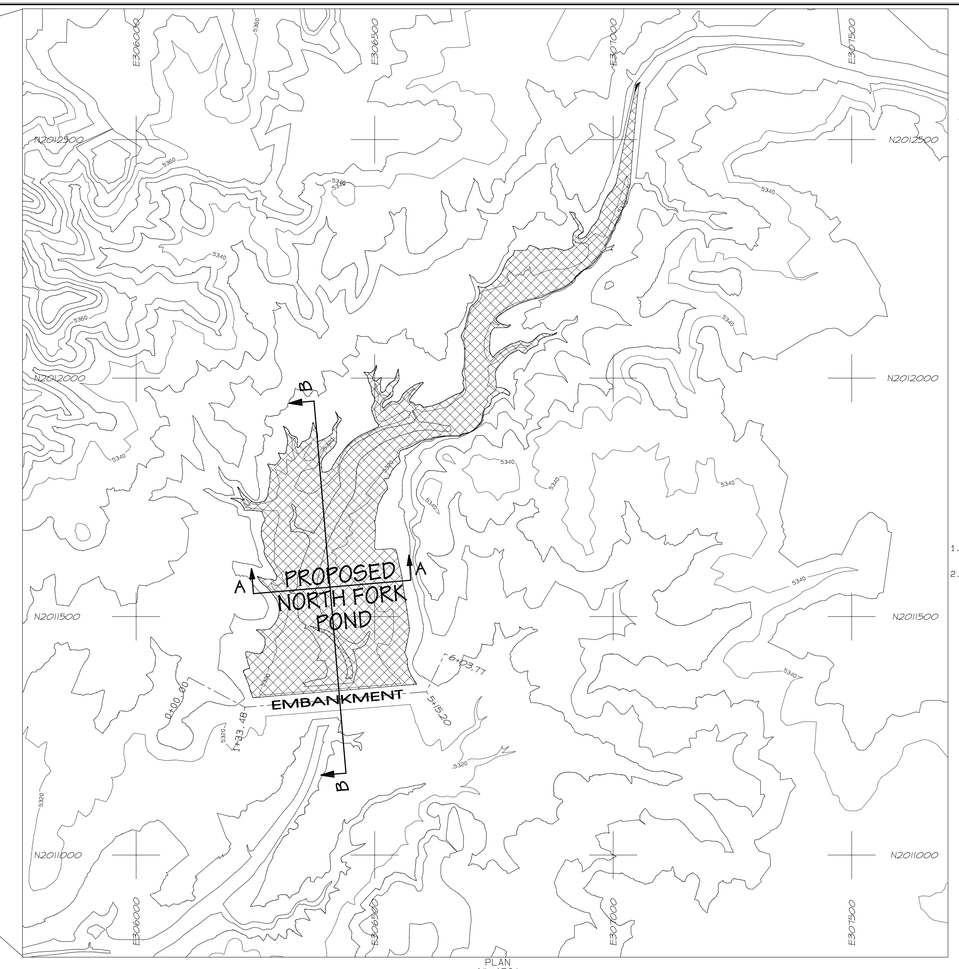


LOCATION MAP
1"=800'



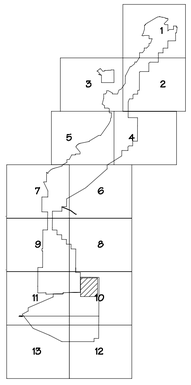
PLAN
1"=150'

LEGEND

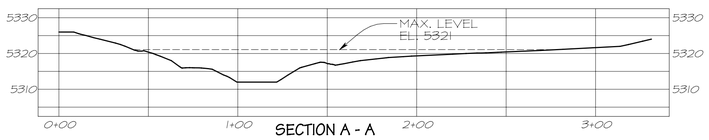
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY

NOTES

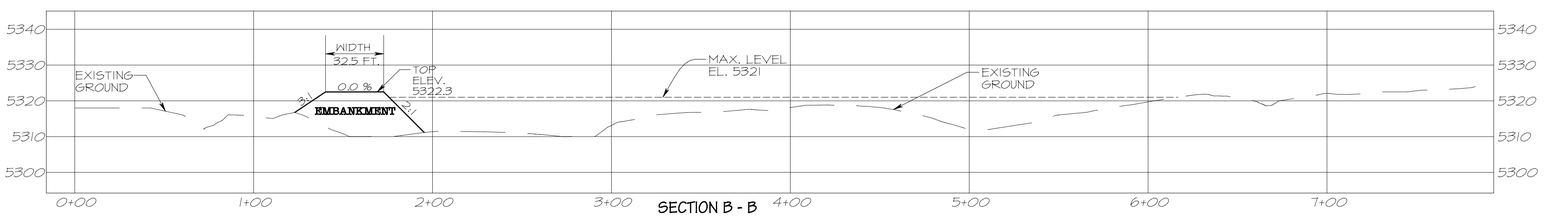
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. The watershed areas for Impoundment and pond locations are shown on Exhibit 11-13E.



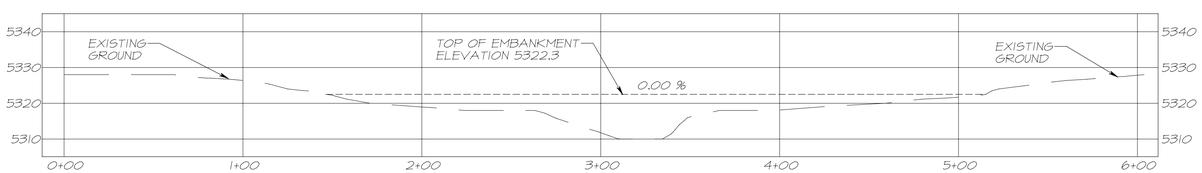
SCALE AS NOTED



SECTION A - A



SECTION B - B



PROFILE (CENTERLINE OF EMBANKMENT)

ABOVE CROSS SECTIONS AND PROFILE
HORIZONTAL 1"=40'
VERTICAL 1"=20'

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5310	0.03	0.00	0.00
5312	0.21	0.2	0.2
5314	0.45	0.7	0.9
5316	0.96	1.4	2.3
5318	1.72	2.7	5.0
5320	3.05	4.8	9.7
5322	4.82	7.9	17.6
5324	7.65	12.5	30.1

Design Pond Crest Elevation - 5322.3
Design Volume (Ac-ft.) - 19.50

CERTIFICATION STATEMENT

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

RON C. VAN VALKENBURG NEW MEXICO 9263 LICENSED PROFESSIONAL ENGINEER

Original Signed by P.E.

REV.	DESCRIPTION	BY	DATE
0	SUBMITTED TO OSM FOR APPROVAL	RCV	1-19-08
2	REVISED EXHIBIT AND SUBMITTED TO OSM FOR REVIEW	RCV	7-15-08
3			
4			

PROJECT MANAGER: FG
ENGR. of RECORD: RCV
REG. NO. 9263
SRVYR of RECORD:
REG. NO.

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

ACCOUNT:
DATE: 1-19-08
DESIGNED BY: RCV
DRAWN BY: RY
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTION

EXHIBIT 11-152
NORTH FORK POND
DESIGN

DRAWING

SHEET 1
OF 1

PATH: \\NCDNCWPWSPT02\Data\Danger\ents\Grp\Dbw_SUBMITTED_PROD\Ch-11.pkb Exh11-152\11-152_N-Fork_Pd_Dgn.dwg