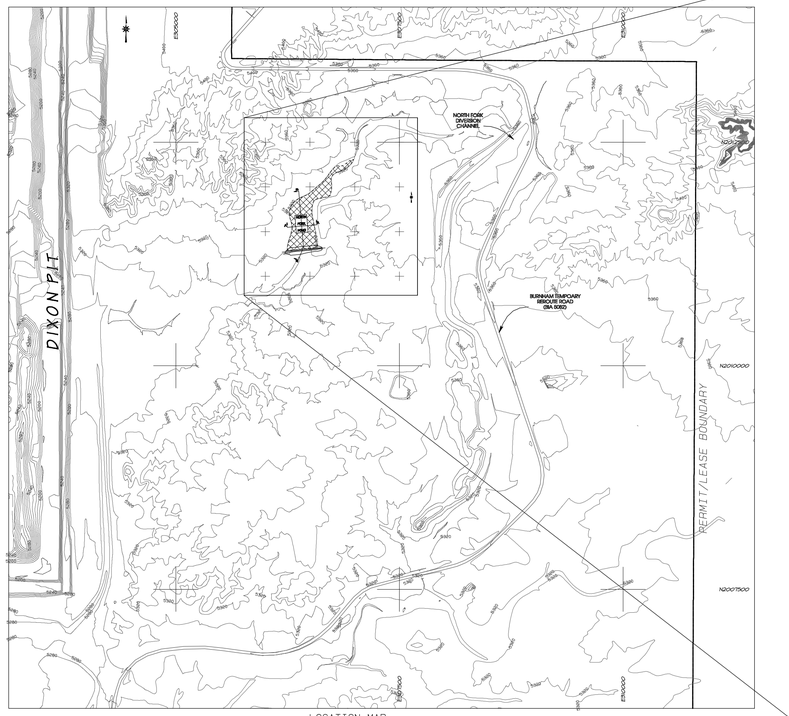
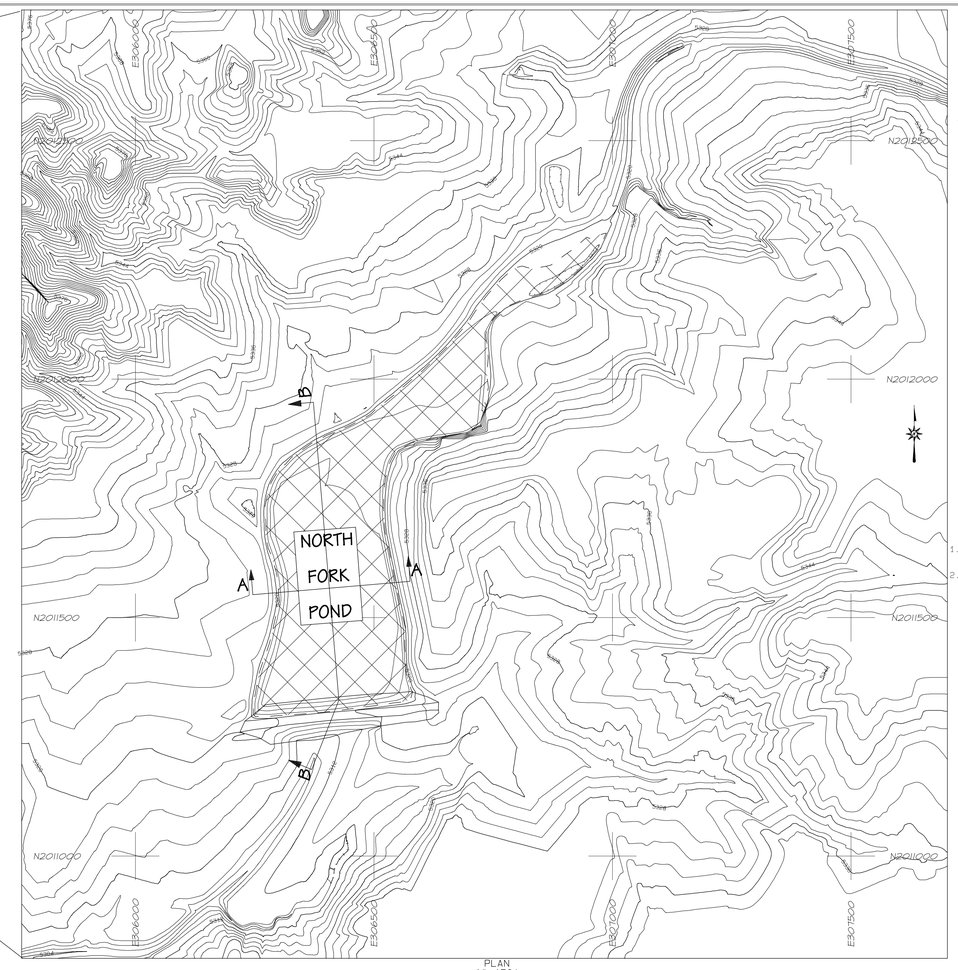


LOCATION MAP
1" =800'



PLAN
1"=150'

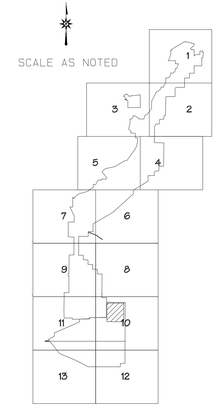
LEGEND

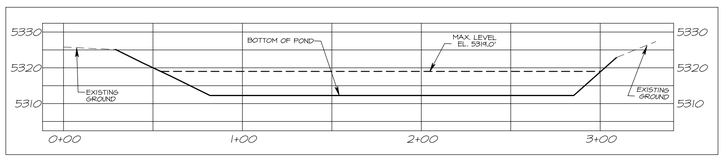
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY

NOTES

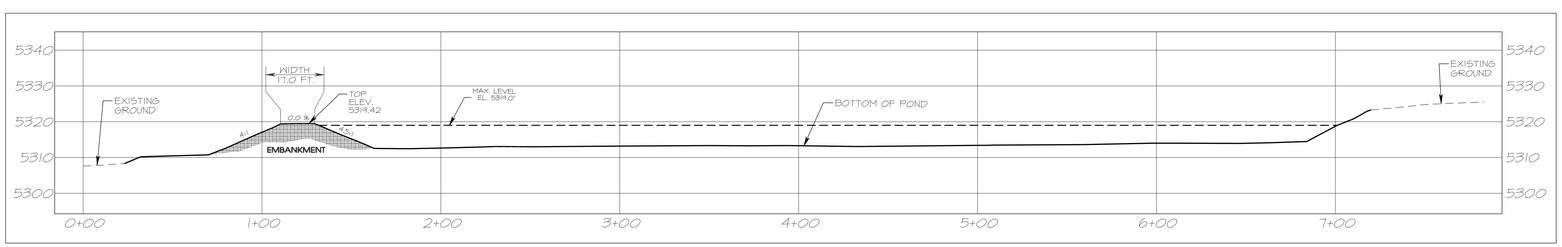
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. The watershed areas for Impoundment and pond locations are shown on Exhibit 11-13E.

SCALE AS NOTED

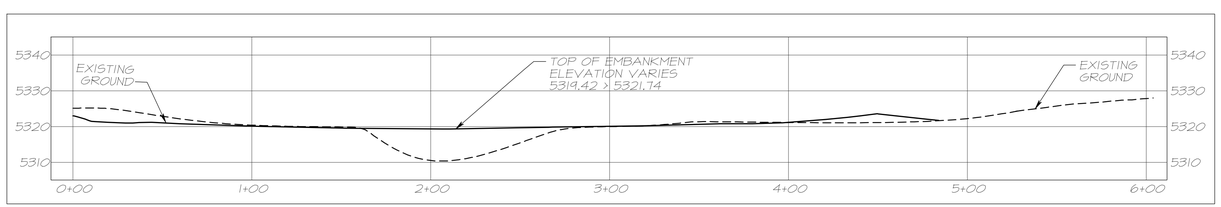




SECTION A - A



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
5312.4	0.00	0.0	0.00
5313	1.136	0.3	0.34
5314	2.328	1.7	2.07
5315	2.865	2.6	4.67
5316	3.404	3.1	7.80
5317	3.802	3.6	11.41
5318	4.152	4.0	15.38
5319	4.675	4.4	19.80

Pond Crest 5319.0
As-Built Volume at Crest (Ac_Ft) 19.8

CERTIFICATION STATEMENT

I, Ron C. Van Valkenburg, hereby certify that this structure has been constructed in accordance with the Approved Design Plans except as noted below.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

Notes:

1. Embankment top width reduced to 17.0 feet compared to design 32.5 feet. Embankment side slopes built at 4:1 slope compared to design 2:1 providing a factor of safety >1.3.
2. Stage-storage elevations different than design due to topsoil removal.

REV NO.	REV BY	DATE
1	RCV	1-19-08
2	RCV	1-29-08

DESCRIPTION
1 SUBMITTED TO OSM FOR APPROVAL.
2 Revised to Will's as-built to OSM

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: RV
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-152.A
NORTH FORK POND
AS-BUILT

DRAWING

SHEET 1
OF 1

G:\GIS\OSM_SUBMITTER_PROJ\CH_11_PAP EXHIBITS\11-152 North Fork Pond\Exh 11-152 A_N Fork Pond As-Built.pro
Thu Oct 22 14:09:07 2009