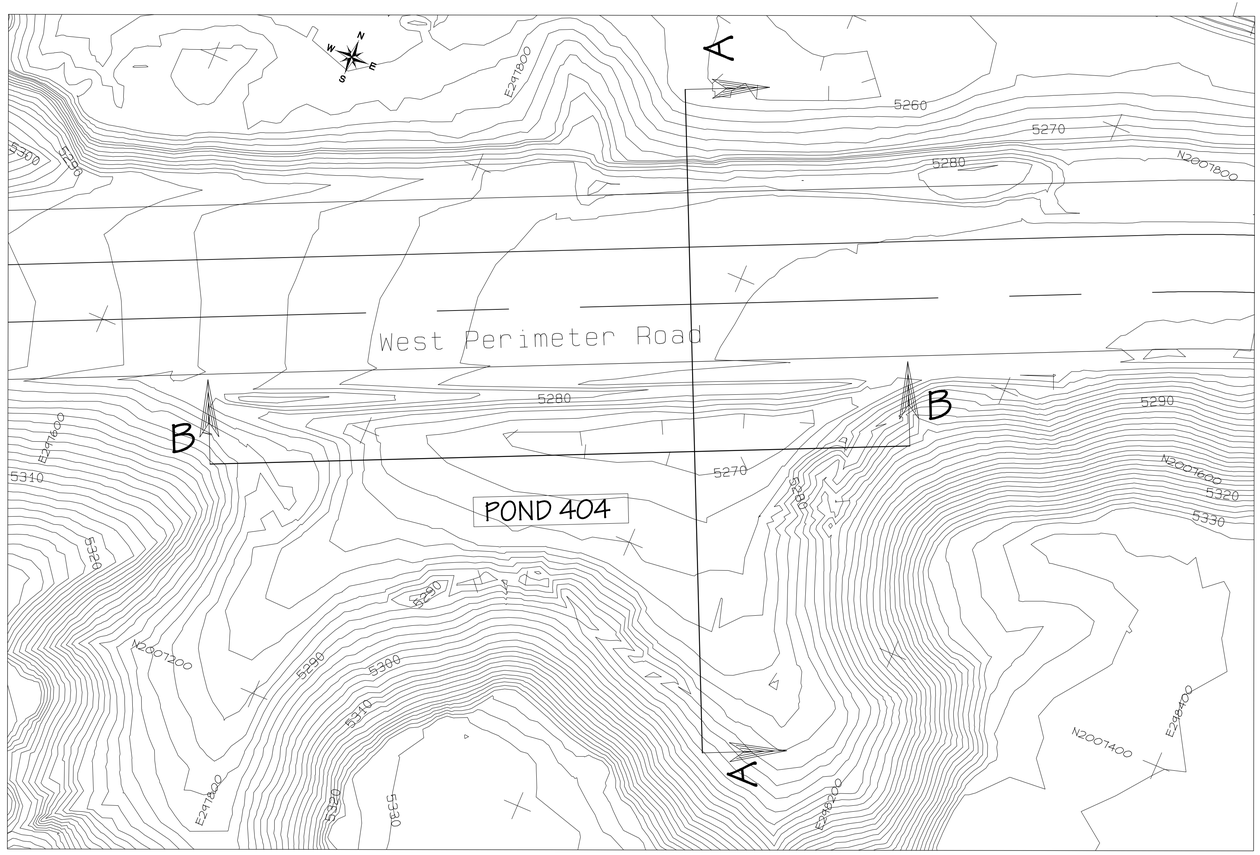
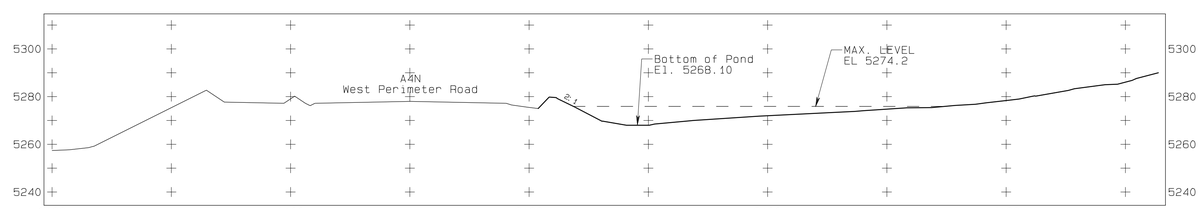
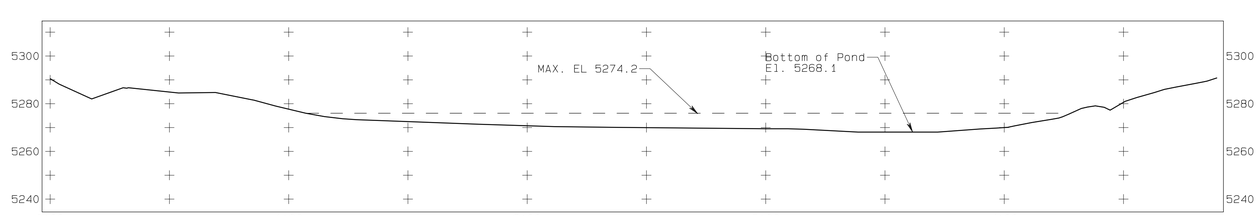


PLAN VIEW
1"=50'



CROSS SECTION A - A
SCALE - 1"=30'



CROSS SECTION B - B
SCALE - 1"=30'

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5268.1	0.00	0.0	0.0
5269	0.04	0.0	0.0
5270	0.13	0.2	0.1
5271	0.22	0.3	0.3
5272	0.33	0.4	0.5
5273	0.46	0.4	0.9
5274	0.58	0.5	1.5
5275	0.70	0.6	2.1

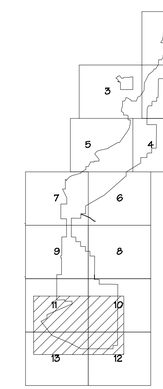
Max. Elevation 5274.2
As-Built Capacity at Max.El.(AC-FT) 1.6

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. Refer to Exhibit 11-13F for watershed information and location of ponds.
2. For hydrology and design information refer to Table 11-5 in the approved PAP.



SCALE AS NOTED

CERTIFICATION STATEMENT

I, Ron C. Van Valkenburg, hereby certify that this structure 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 except as noted below.

1. Pond bottom elevation is 2 feet higher than design and maximum elevation is approximately 2 feet lower than design, resulting in smaller as-built capacity. The smaller as-built capacity will contain the design 100-yr 6hr storm event of 0.8 Ac-Ft.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION		DATE
1	SUBMITTED TO OSM FOR APPROVAL	08/28/09
2	SUBMITTED AND OSM FOR APPROVAL	01/14/10
3	PREPARED AS-BUILT FOR AN POND-404 AND SUBMITTED FOR OSM FOR APPROVAL	10/05/10
11-4	SUBMITTED TO OSM FOR REVIEW AND APPROVAL	01/26/2011

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

bhpbilliton
BHP NAVAJO COAL CO.
NAVAJO MINE
PO BOX 1717, FRUITLAND, NEW MEXICO, 87416, PHONE 505-598-3209/FAX 505-598-3361

ACCOUNT:
DATE: AUGUST 31, 2009
DESIGNED BY: RCV
DRAWN BY: BW
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-04
AREA 4 NORTH
POND 404
As-Built

DRAWING

SHEET 1
OF 1

Project Desc.: Path: G:\Gis\Permit F\Ch 11\Exh 11-004-05_A4N PRS 404-405\OSM Subm-12011\Exh 11-04_Pond-405_As-Built_A.prp Plot Date/Time: Wed Jan 26, 2011 / 12:00:25