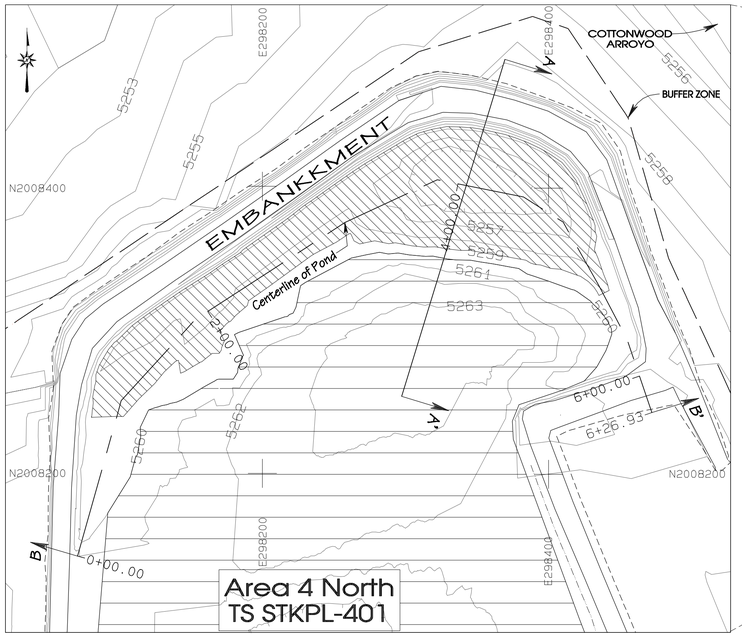


PLAN VIEW
CONTOUR INT: 1 FT
SCALE: 1"=50'

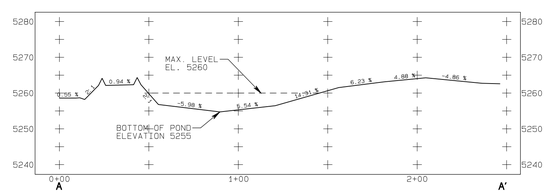
PLAN VIEW
SCALE: 1"=100'

LEGEND

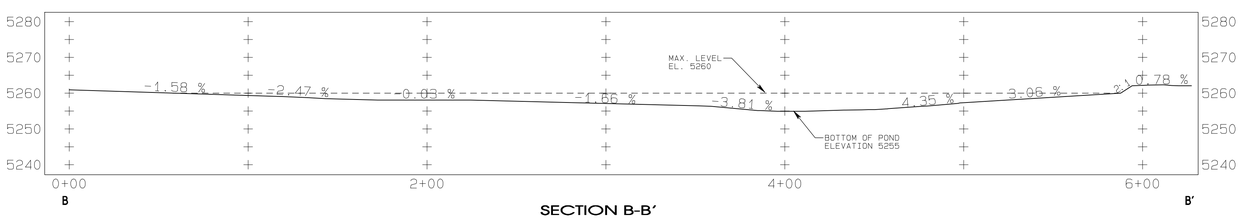
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY

NOTES

1. For location of drainage control structures and watersheds, refer to Exhibit 11-13F
2. The hydrology and supporting design data for the drainage control structures are referenced on Table 11-5 of the NM PAP.



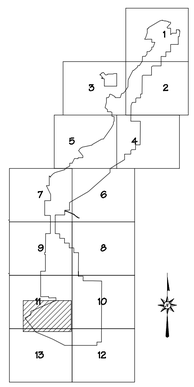
SECTION A-A'
SCALE: HORIZ 1"=40'
VERT 1"=20'



SECTION B-B'
SCALE: HORIZ 1"=40'
VERT 1"=20'

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5254.8	0.00	0.0	0.0
5255	0.005	0.0	0.0
5256	0.073	0.0	0.0
5257	0.195	0.1	0.2
5258	0.342	0.3	0.4
5259	0.540	0.4	0.9
5260	0.712	0.5	1.5



SCALE AS NOTED

CERTIFICATION STATEMENT

I, Ron C. VAN VALKENBURG, hereby certify that this Impoundment has been constructed in accordance with the Approved Design Plans except:
* Pond bottom at El. 5255 (Design was El. 5254).
* Embankment to El. 5261 (Design was El. 5259).
* Storage capacity 1.5 Ac-Ft.(Design was 0.5 Ac-Ft).

Ron C. VAN VALKENBURG
N.E.M. MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE
1 SUBMITTED TO DGM FOR APPROVAL	8-29-2008
2 PREPARED AS-BUILT AND SUBMITTED TO DGM FOR REVIEW (NOT SUBMITTED)	12-2-09
3-4 SUBMITTED TO DGM FOR REVIEW AND APPROVAL	1-26-2011

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 USA 505-598-2000FAX 505-598-3781

ACCOUNT:
DATE: Dec 02 2009
DESIGNED BY: RV
DRAWN BY: PJF
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTION

Exhibit 11–158
Area 4 North Pond 408
As–Built

DRAWING

SHEET 1
OF 1