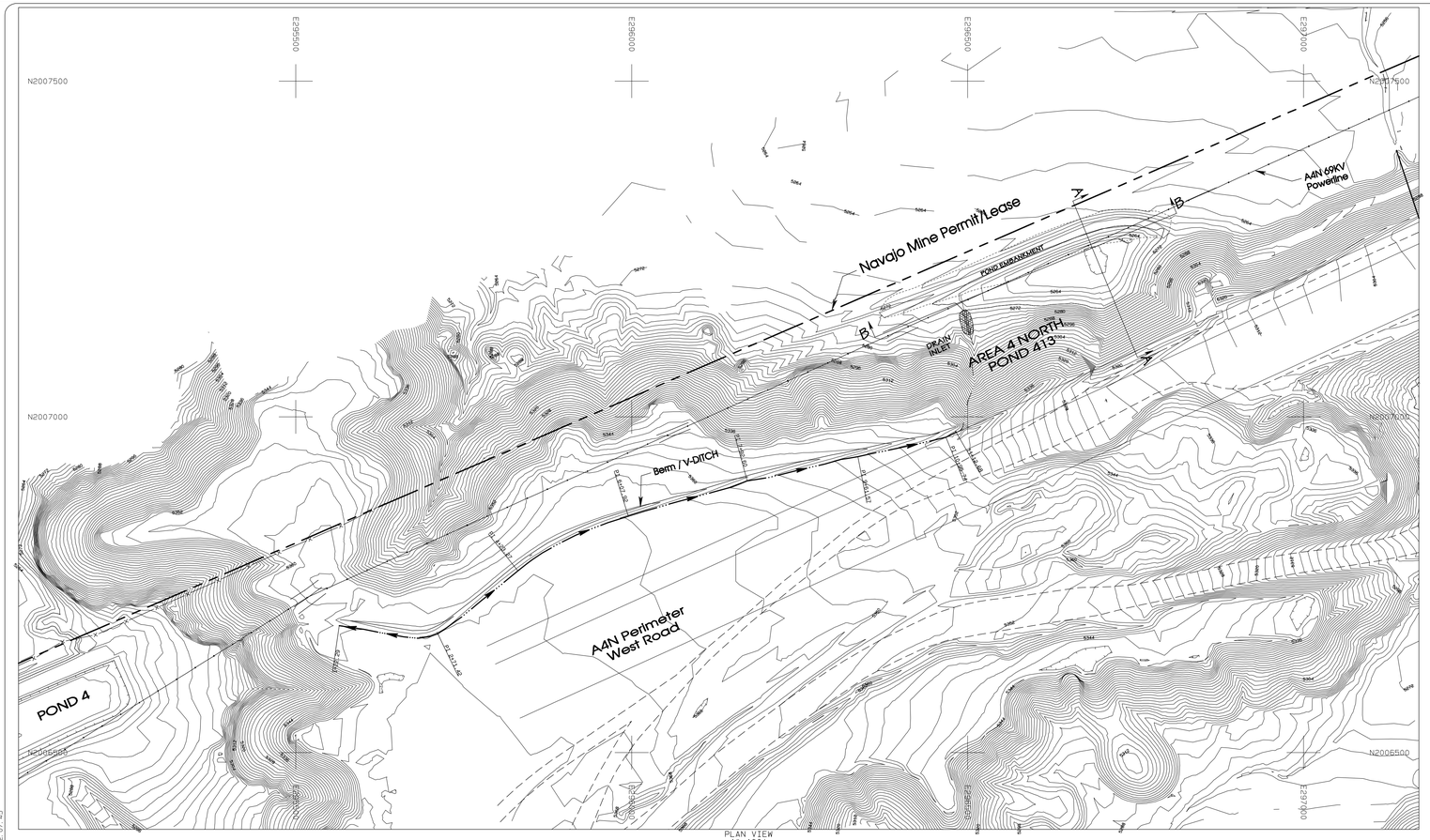
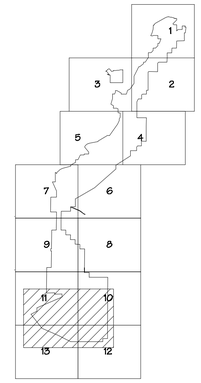
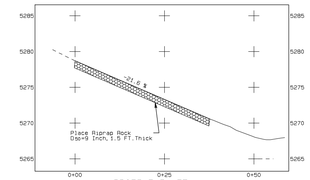


PLAN VIEW
1"=100'





PROFILE INLET
HORIZ. - 1"=20'
VERT. - 1"=10'

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
- DRAIN FLOW PATH

NOTES

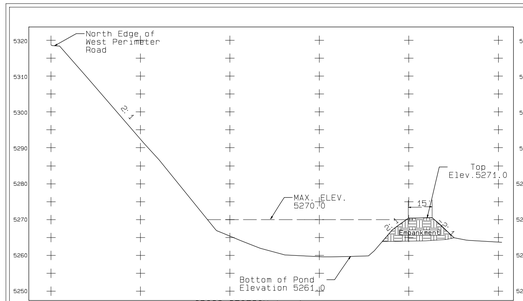
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
1. Refer to Exhibit 11-13F for watershed information and location of ponds.

SCALE AS NOTED

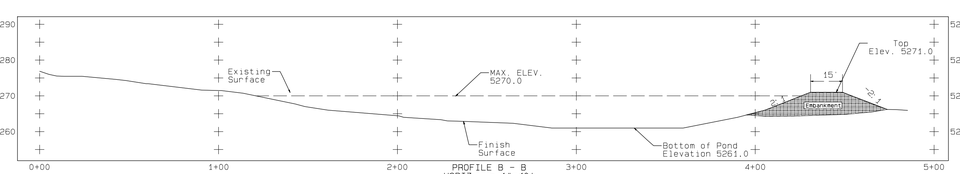
STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5261	0.004	0.0	0.00
5262	0.085	0.0	0.00
5263	0.173	0.1	0.2
5264	0.230	0.2	0.4
5265	0.278	0.3	0.6
5266	0.322	0.3	0.9
5267	0.366	0.3	1.3
5268	0.409	0.4	1.7
5269	0.452	0.4	2.1
5270	0.499	0.5	2.6
5271	0.550	0.5	3.1

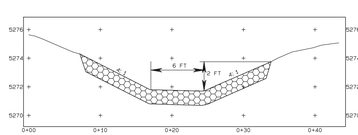
Pond Crest/Spillway Elevation 5271.0
As-Built Volume at Crest (Ac-Ft) 3.1
Design Max. Water Elevation 5270.0
Capacity at Max. Water Elevation 2.6



CROSS SECTION A - A'
HORIZ. - 1"=40'
VERT. - 1"=20'

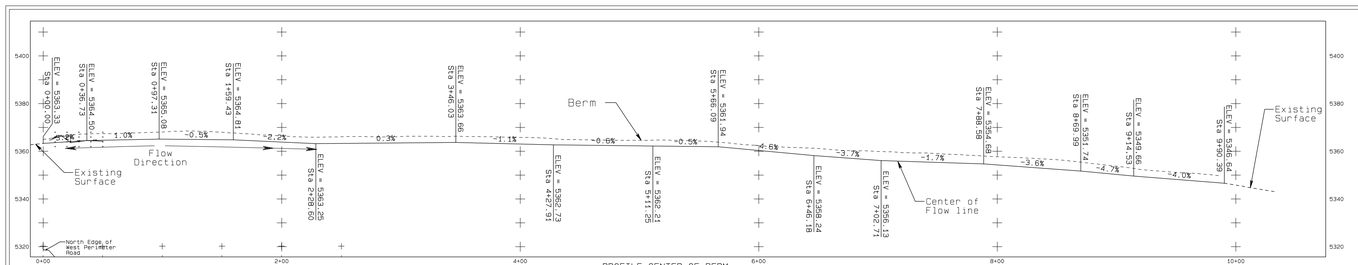


PROFILE B - B'
HORIZ. - 1"=40'
VERT. - 1"=20'

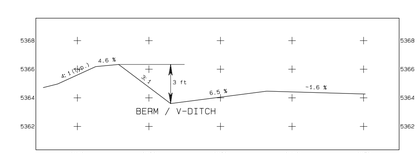


CROSS SECTION
INLET
NO SCALE

PROFILE AND CROSS SECTIONS OF AREA 4 NORTH POND 413



PROFILE CENTER OF BERM
HORIZ. - 1"=60'
VERT. - 1"=30'



CROSS SECTION
HORIZ. - 1"=10'
VERT. - 1"=5'

PROFILE AND CROSS SECTION OF BERM

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. Only minor elevation differences for pond bottom and embankment crest.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE
1 SUBMITTED TO OSM FOR REVIEW	01/28/10
2 PREPARED AS-BUILT AND SUBMITTED TO OSM FOR APPROVAL	07/28/10
3 SUBMITTED TO OSM FOR drain ditch	08/28/10
4 ADDED SHEET 2	10/28/10
5 ADDED Stage Sto. INFO SUBMITTED	10/28/10
6 SUBMITTED TO OSM 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, FARMINGTON, NEW MEXICO, 87418 PHONE: 505-598-2000/FAX: 505-598-2061

ACCOUNT:
DATE: 01-26-10
DESIGNED BY: RCV
DRAWN BY: RV
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-6
AREA 4 NORTH
POND 413
As-Built

DRAWING

SHEET 1
OF 1

Project Desc.: Path: G:\Gis\Permit FY\Ch 11\Exh 11-06_A4N PD 413\OSM-Subm-12011\Exh 11-06_A4N Pd 413_As-Built.prp Plot Date/Time: Wed Jan 26, 2011 / 12:07:45