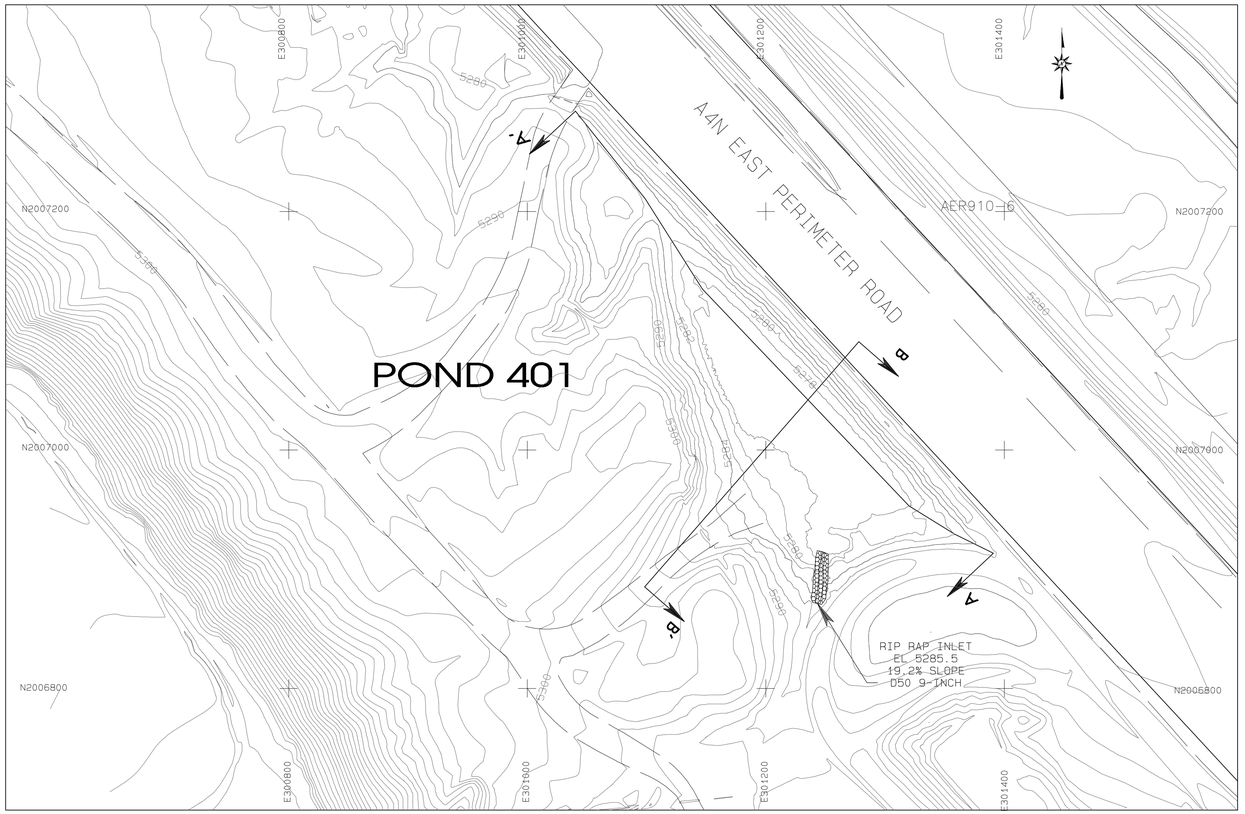
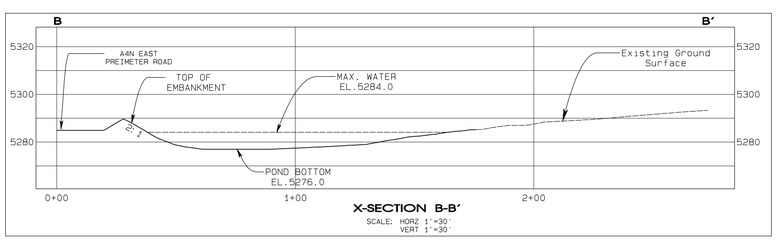


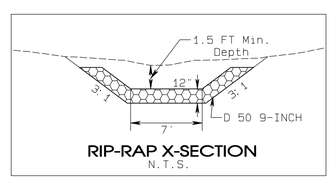
PLAN VIEW

CONTOUR INT: 2 FT
SCALE: 1"=60'



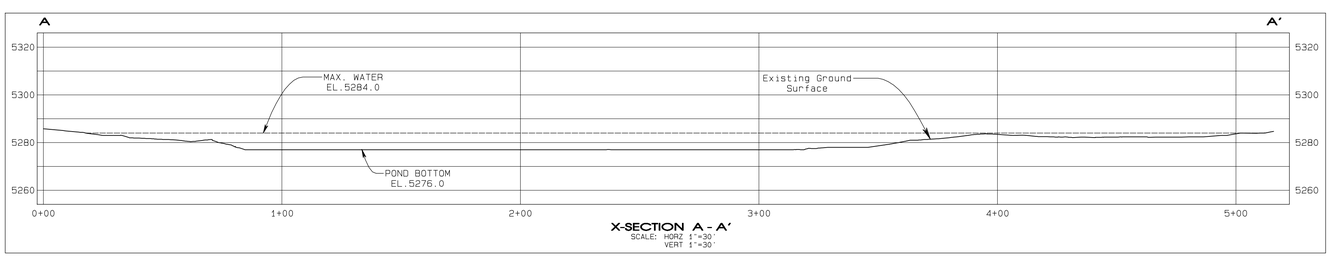
X-SECTION B-B'

SCALE: HORZ 1"=30'
VERT 1"=30'



RIP-RAP X-SECTION

N.T.S.



X-SECTION A-A'

SCALE: HORZ 1"=30'
VERT 1"=30'

LEGEND

- ROAD
- BUILDING
- FENCE
- CULVERT
- DRAINAGE
- POWERLINE
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- PERMIT/LEASE BOUNDARY

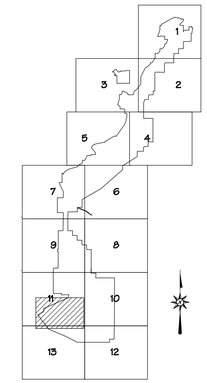
NOTES

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.

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5276	0.001	0.00	0.0
5277	0.163	0.10	0.1
5278	0.321	0.20	0.3
5279	0.404	0.40	0.7
5280	0.484	0.40	1.1
5281	0.595	0.50	1.7
5282	0.687	0.60	2.3
5283	0.773	0.70	3.0
5284	0.866	0.80	3.9
5285	0.954	0.90	4.8

Pond Crest Elevation	5285.0
As-Built Volume at Crest (AC-FT)	4.8
Max. Water Elevation	5284.0
As-Built Volume at Max.Water El.	3.9



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. Minor elevation difference for pond contour resulted in smaller capacity. The smaller as-built capacity will contain the design 100-yr 6-hr storm event.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE
09-4 UPDATED A4N DEVELOPMENT AND SUBMITTED TO OSM FOR REVIEW	8/28/09
10-4 UPDATED A4N DEVELOPMENT POND 401 WITH AS-BUILT DATA AND SUBMITTED TO OSM FOR REVIEW AND APPROVAL.	10-25-10
11-4 SUBMITTED TO OSM FOR REVIEW AND APPROVAL.	01-26-2011

PROJECT MANAGER: F. GORMAN
ENGR. of RECORD: RON C. VAN VALKENBURG
REG. NO: NM 9263
SRVYR of RECORD:
REG. NO:

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

PROJECT: A4N
DATE: AUG.8, 2009
DESIGNED BY: RCV
DRAWN BY: PJFOSTER
CHECKED BY: RCV
APPROVED BY: RCV

PLAN, PROFILE AND SECTION

EXHIBIT 11-01
AREA 4 NORTH
POND 401
As-Built

DRAWING

SHEET
OF 0

G:\GS\Permit F\Ch 11\Exh 11-001_A4N_PD 401\OSM Subm-12011\Exh 11-01_A4N_Pd 401_As-Built.pro
Wed Jan 26 11:46:53 2011