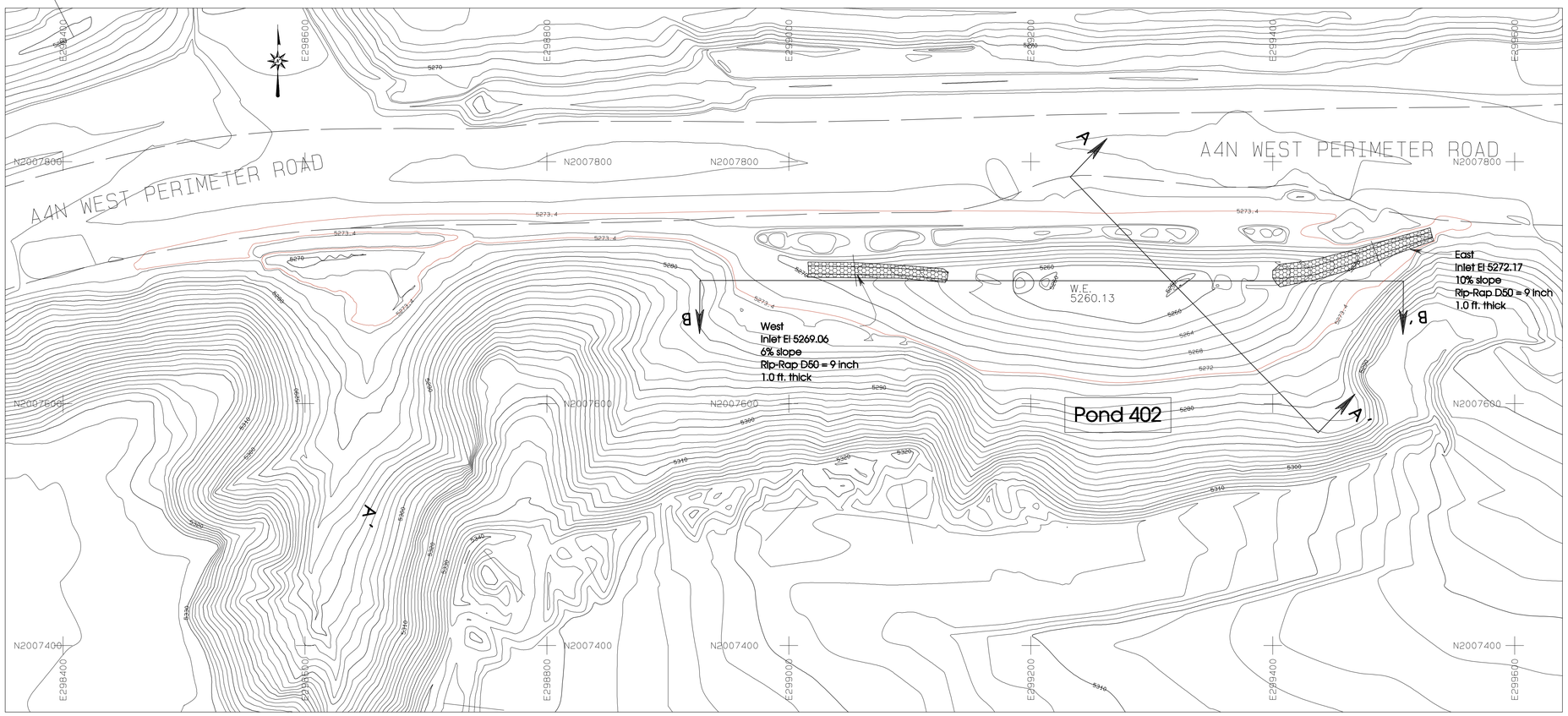


PLAN VIEW / A4N Pond 402

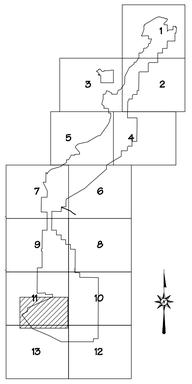
SCALE: 1"=50'

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.

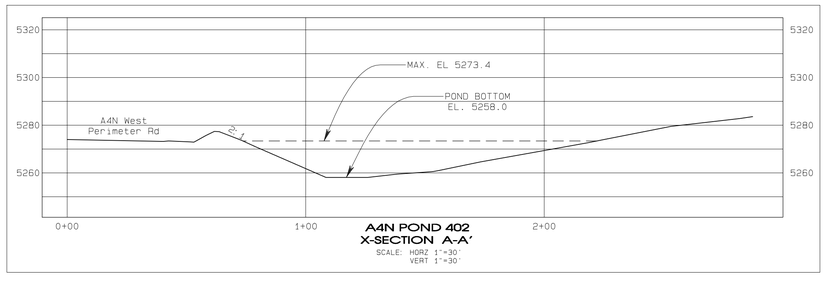


SCALE AS NOTED

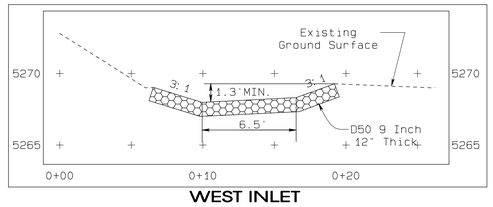
Pond 402 and 403 As-Built Stage/Storage Table

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5258	0.00	0.0	0.0
5259	0.80	0.0	0.0
5260	0.14	0.1	0.1
5261	0.20	0.2	0.3
5262	0.25	0.2	0.5
5263	0.30	0.3	0.8
5264	0.35	0.3	1.1
5265	0.40	0.4	1.5
5266	0.45	0.4	1.9
5267	0.51	0.5	2.4
5268	0.58	0.5	3.0
5269	0.64	0.6	3.6
5270	0.73	0.7	4.3
5271	0.85	0.8	5.0
5272	1.05	1.0	6.0
5273	1.37	1.2	7.2
5274	1.90	1.6	8.8

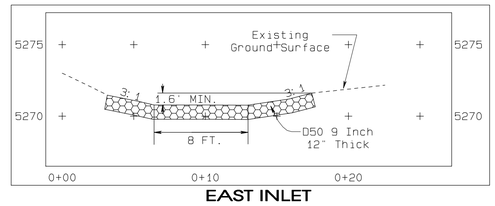
Pond Max.Elevation 5273.4
As-Built Volume at Max.El.(Ac-Ft) 7.9



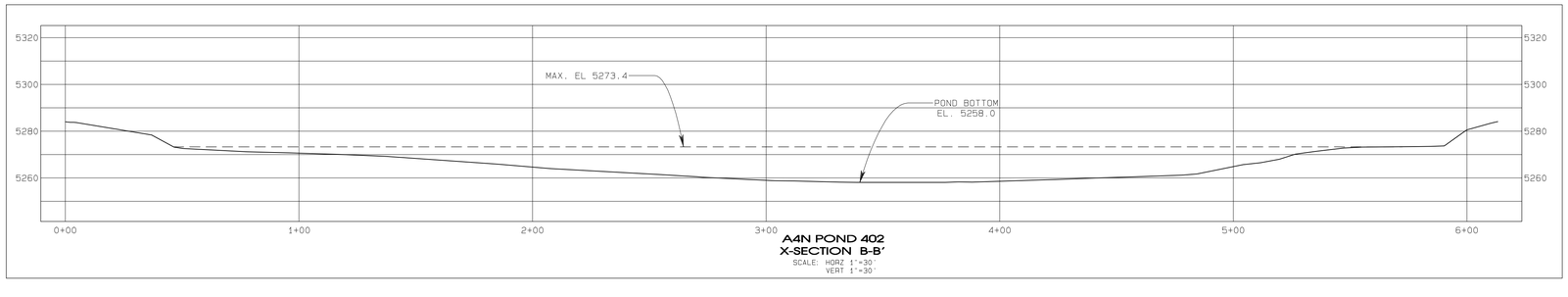
A4N POND 402
X-SECTION A-A'
SCALE: HORZ 1"=30'
VERT 1"=30'



WEST INLET



EAST INLET



A4N POND 402
X-SECTION B-B'
SCALE: HORZ 1"=30'
VERT 1"=30'

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 capicity. The smaller as-built capacity will contain the design 100-yr 6-hr storm event.
2. Inlet slopes were constructed at flatter slope than designed.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE
09-4 UPDATED AN DEVELOPMENT AND SUBMITTED TO OSM FOR REVIEW	8/28/09
10-4 UPDATED AN DEVELOPMENT AND SUBMITTED TO OSM FOR REVIEW	1/14/10
10-5 UPDATED AN DEVELOPMENT AND SUBMITTED TO OSM FOR REVIEW (NOT SUBMITTED)	10/20/10
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
P.O. BOX 1717, FRUITLAND, NEW MEXICO, 87416 PHONE 505-598-5209/FAX 505-598-3861

PROJECT: A4N
DATE: AUG.2.2009
DESIGNED BY: REV
DRAWN BY: K.FOSTER
CHECKED BY: REV
APPROVED BY: REV

PLAN, PROFILE AND SECTION

EXHIBIT 11-02
AREA 4 NORTH
POND 402
AS-BUILT

DRAWING

SHEET
OF

G:\Gs\Permit FLD\11Exh 11-02-03_A4N PDS 402-403\GSM SubM-12011\Exh 11-02_A4N_Pond 402_As-Built.pro
WED Jan 26 11:53:20 2011