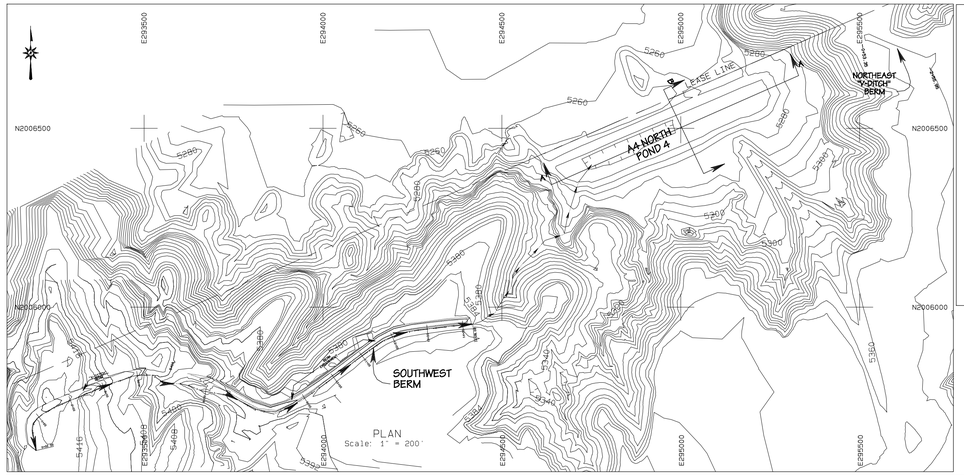
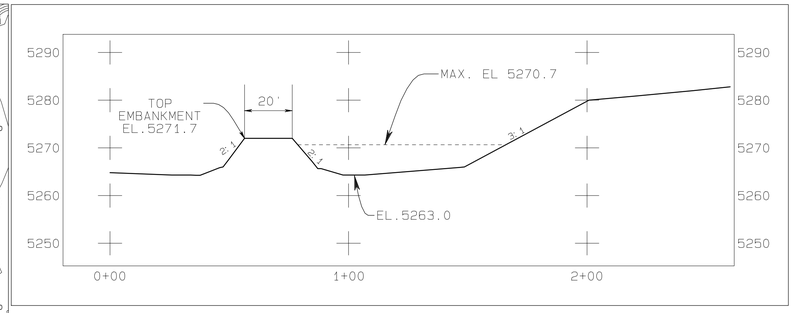




POND-4 AS-BUILT
SECTION B - B
HORIZONTAL=1"=30'
VERTICAL=1"=15'

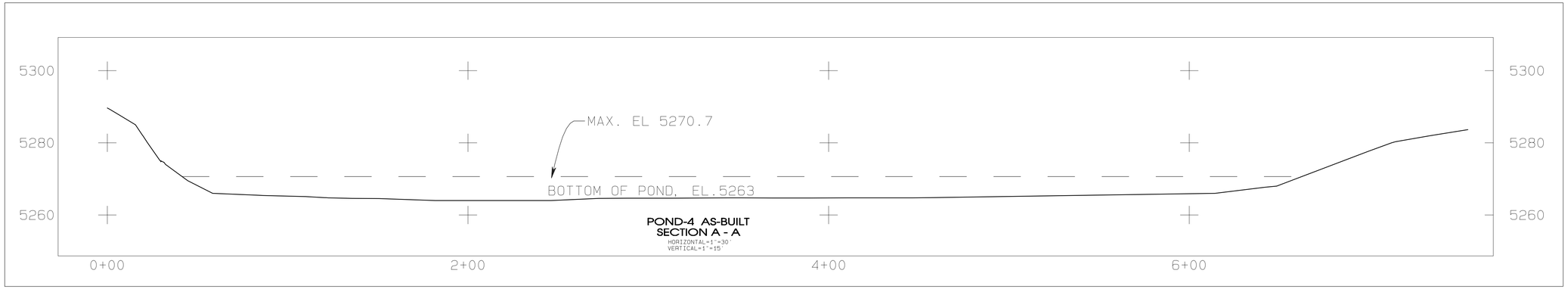
STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5263	0.00	0.00	0.00
5264	1.116	0.1	0.06
5266	0.777	0.9	0.89
5268	0.966	1.7	2.64
5270	1.133	2.1	4.74
5272	1.307	2.4	7.18

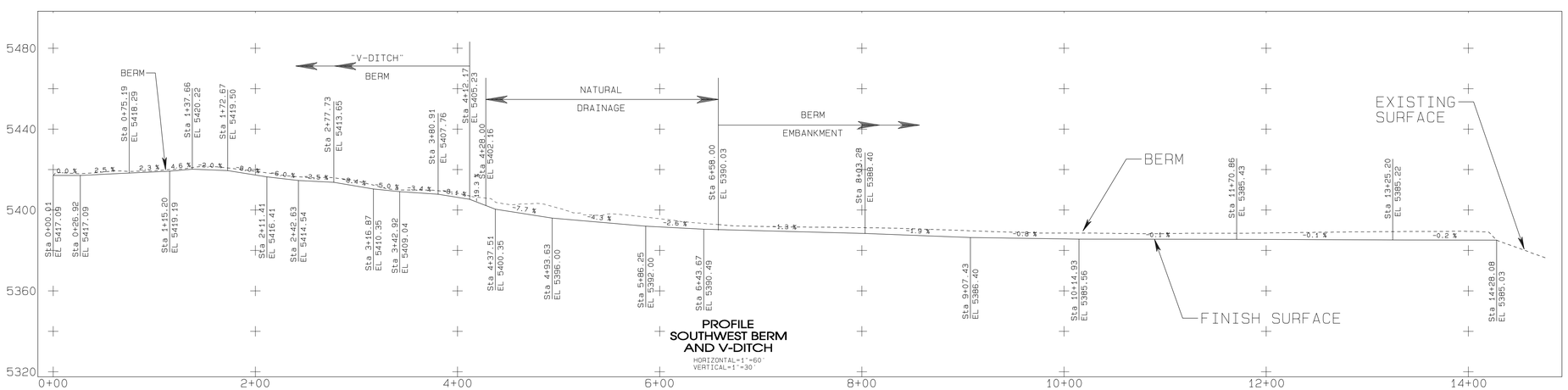
Design High Water at Crest — El. 5271.7
Design Capcity at High Water El. — 6.8 Ac-Ft

LEGEND

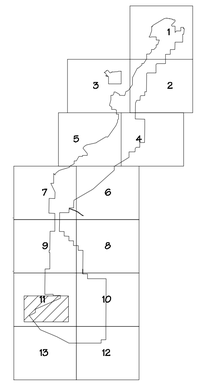
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45 LEASE CORNER
- L-30 PERMIT/LEASE BOUNDARY



POND-4 AS-BUILT
SECTION A - A
HORIZONTAL=1"=30'
VERTICAL=1"=15'



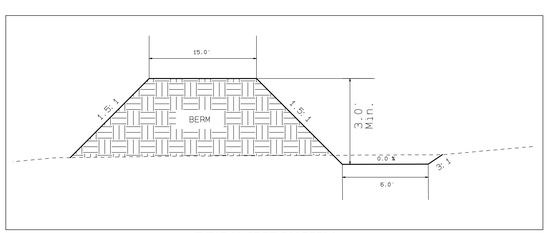
PROFILE
SOUTHWEST BERM
AND V-DITCH
HORIZONTAL=1"=60'
VERTICAL=1"=30'



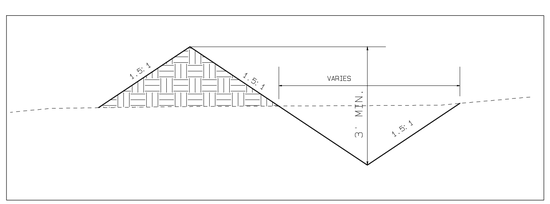
SCALE AS NOTED

NOTES

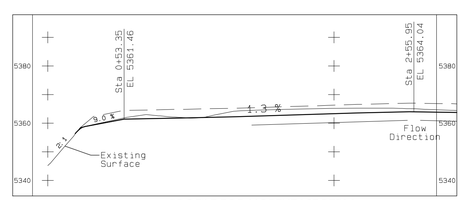
1. For hydrology and design information refer to Appendix 11-AA in the approved PAP.
2. The watershed areas for Impoundment and pond locations are shown on Exhibit 11-13F.



TYPICAL SECTION BERM
FROM STA. 6+58 TO 14+28 SOUTHWEST BERM
N.T.S.



TYPICAL SECTION "V-DITCH" BERM
FROM STA. 0+00 TO12+17 SOUTHWEST BERM
AND STA. 0+53.0 TO 2+56.0 NORTHEAST BERM
N.T.S.



PROFILE FOR NORTHEAST BERM
STA. 0+53.0 TO 2+56.0 FROM EXH 11-06
HORIZONTAL=1"=50'
VERTICAL=1"=25'

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 and dimension differences for pond bottom and embankment crest.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REV. NO.	DESCRIPTION	DATE
0	SUBMITTED TO DSM FOR APPROVAL	3-24-10
1	PREPARED AS-BUILT FOR POND-4 BERM SUITH AND SOUTHWEST BERM AS-BUILT PER DSM REVISED	9-21-10
1-A	SUBMITTED TO DSM FOR REVIEW AND APPROVAL	5-26-2011

PROJECT MANAGER: FERGUSON GORMAN
ENGR. of RECORD: RON VAN VALKENBURG
REG. NO. 9263
SRVYR of RECORD:
REG. NO.

BHP NAVAJO COAL CO.
NAVAJO MINE
PO BOX 1717, FRUITLAND, NEW MEXICO, 87416

ACCOUNT:
DATE: 11-16-04
DESIGNED BY: RV
DRAWN BY: RV
CHECKED BY: RCVV
APPROVED BY: RCVV

PLAN, PROFILE AND SECTION

EXHIBIT 11-118
AREA 4 NORTH POND 4
AS-BUILT

DRAWING

SHEET 1
OF 1

Path: G:\Gis\Permit\11b\11-118\11-118_AR4 P4 4\DSM Submit\2011\Sch 11-118_AR4 P4 4_As-Built-1.prn