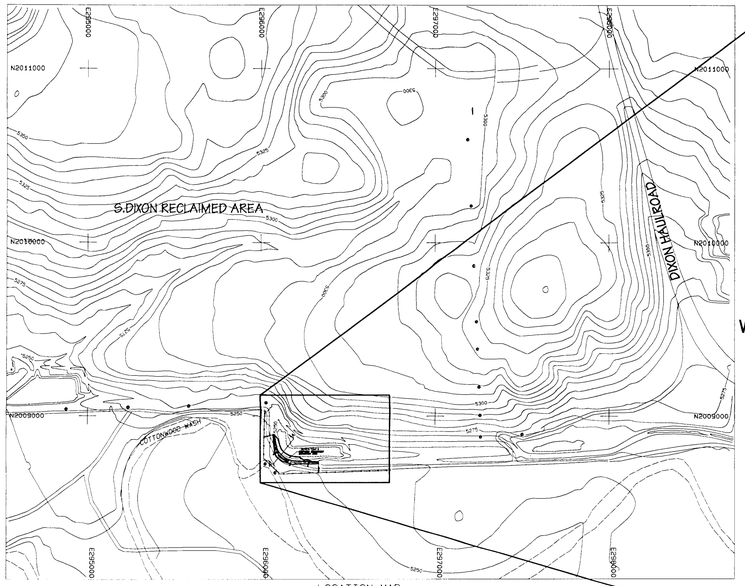
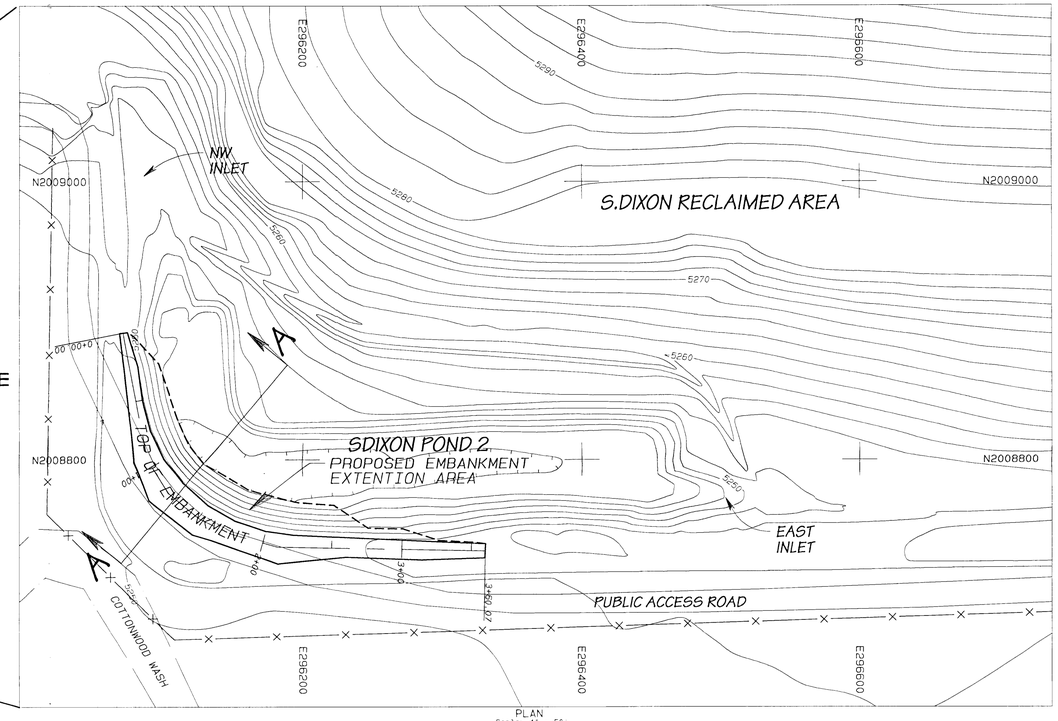


LOCATION MAP
Scale: 1" = 400'



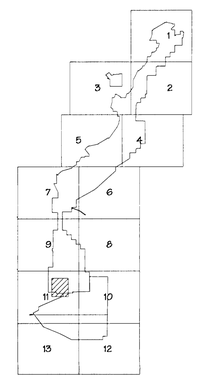
PLAN
Scale: 1" = 50'

LEGEND

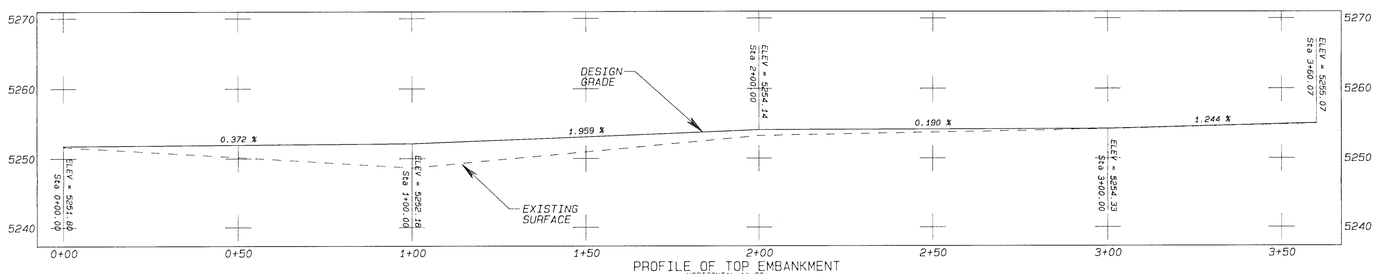
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY

NOTES

1. For hydrology and design information refer to Appendix 11-T in the approved PAP.



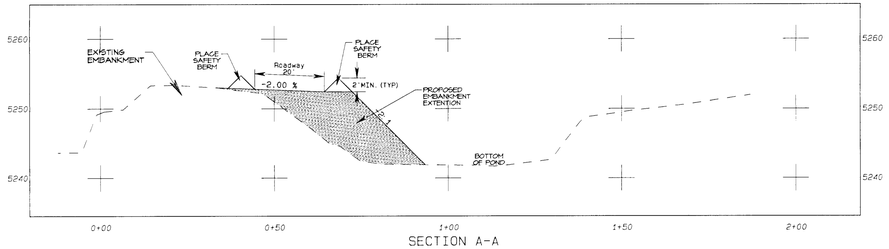
SCALE AS NOTED



PROFILE OF TOP EMBANKMENT
HORIZONTAL=1"=20'
VERTICAL=1"=10'

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5242	0.16	0.00	0.00
5243	0.35	0.26	0.26
5244	0.46	0.40	0.65
5245	0.51	0.48	1.14
5246	0.56	0.54	1.68
5247	0.62	0.59	2.27
5248	0.68	0.65	2.92
5249	0.74	0.71	3.63
5250	0.83	0.78	4.41
5250.6	0.91	0.55	4.95
5251.6	1.06	0.98	5.94



SECTION A-A
HORIZONTAL=1"=20'
VERTICAL=1"=10'

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

LEONARD RAYMOND NEW MEXICO 6600 PROFESSIONAL ENGINEER 11-18-05

11-18-05

APPROVED FEB 2005

REV #	DESCRIPTION	REV BY	DATE
1	SUBMITTED TO OSM FOR APPROVAL	RH	11-18-05
2			
3			
4			
5			

PROJECT MANAGER: RH
ENGR. of RECORD: LR
REG. NO. 6600
SRVYR of RECORD: REG. NO.

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

ACCURATE DATE: 11-18-05
DESIGNED BY: RH
DRAWN BY: RH
CHECKED BY: LR
APPROVED BY: LR

PLAN, PROFILE AND SECTION

EXHIBIT 11-117A
SOUTH DIXON POND-2
MODIFICATION
DESIGN

DRAWING

SHEET 1 OF 1

PATH: Q:\Department\ENGINEER\PROJECT\PAP\FIRST\11-117_PAP_SOP_Dixon_Pond_2_MOD\11-117_PAP_SOP_Dixon_Pond_2_MOD_Modification_Design.dgn