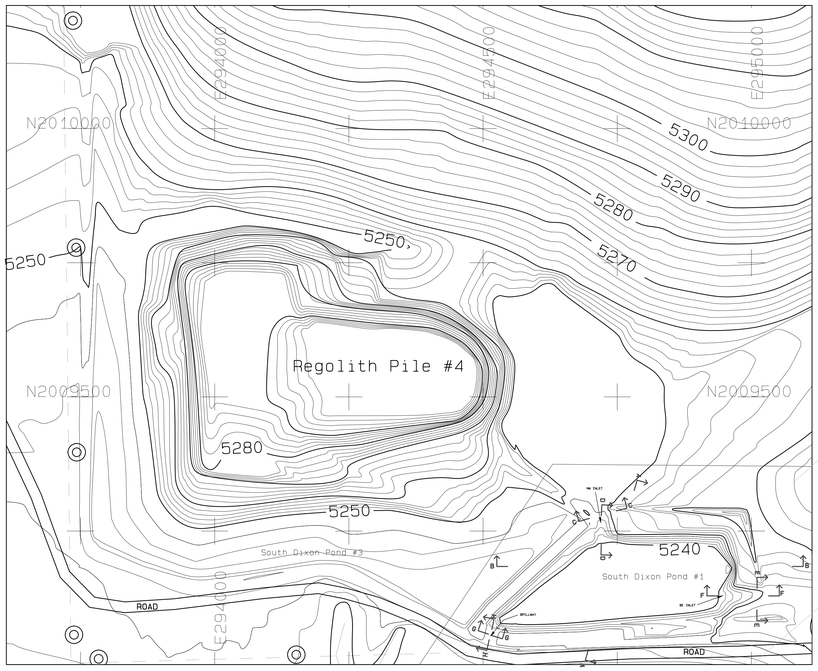
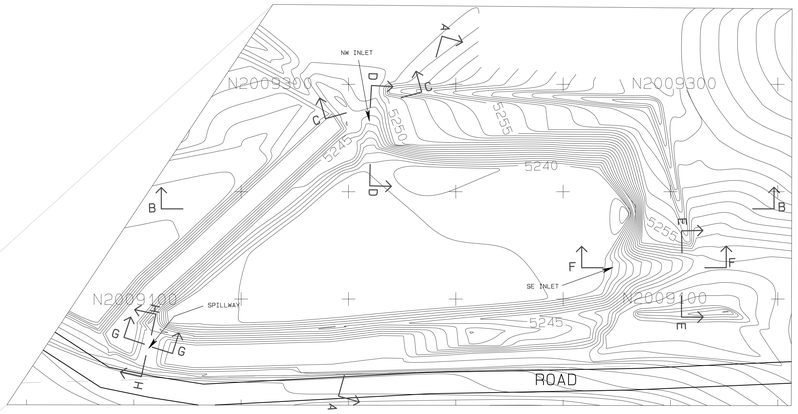


Location Map
Scale: 1" = 100'



Plan View
Scale: 1" = 50'

Inlet Section C-C

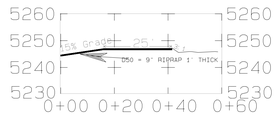
Inlet Profile D-D

Cross Sections and Profiles
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 10'

Inlet Section E-E

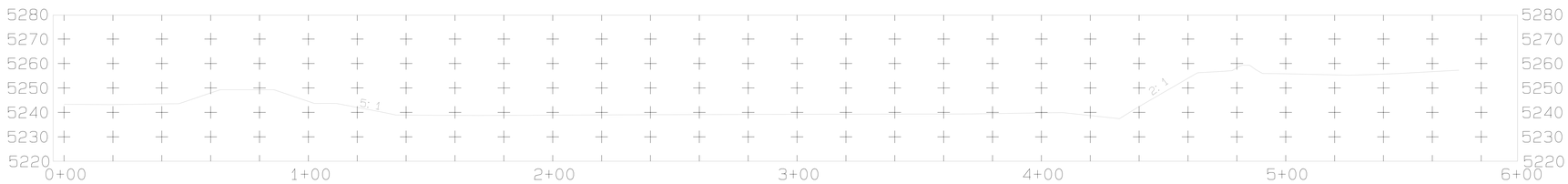
Spillway Section G-G

Inlet Profile F-F



Spillway Profile H-H

Section A-A



Section B-B

LEGEND

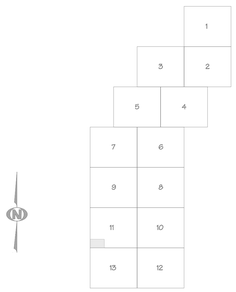
- DIRT ROAD
- POWERLINE
- SPOT ELEVATION
- 5300 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- LEASE BOUNDARY

Notes

1. For watershed information refer to Exhibit 11-13E
2. For hydrology information refer to Appendix 11-7 in approved PAP

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5238	0.003	0.000	0.000
5239	0.600	0.303	0.303
5240	1.039	0.825	1.128
5241	1.100	1.075	2.203
5242	1.150	1.131	3.335
5243	1.207	1.187	4.522
5244	1.300	1.262	5.784
5245	1.399	1.356	7.138
5246	1.474	1.442	8.579
5247	1.556	1.526	10.105
5248	1.627	1.603	11.709
5249	1.694	1.673	13.381



CERTIFICATION STATEMENT

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

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER

REV. No.	DATE	DRAFT. BY	REVISION DESCRIPTION	ENG.	E.G.	P.E.	P.S.	CHIEF ENG.
B	01/17/97	VAH	Verified Permit Boundary					
A	12/05/96	VAH	SUBMITTED TO OSM FOR APPROVAL					

APPROVALS

EXHIBIT 11 – 51A

NAVAJO COAL COMPANY

NAVAJO MINE — SAFETY PAYS

P.O. BOX 195 FRUITLAND, NEW MEXICO 87416

AREA III

DESIGN MODIFICATION

SOUTH DIXON POND #1

PREPARED BY VAH	DRAWN BY VAH	SCALE AS NOTED
APPROVED BY LR	DATE 01/17/97	REF DWG
DWG LOC C:\NAVCOM\PROJECTS\PRN\DESIGN.PRO		