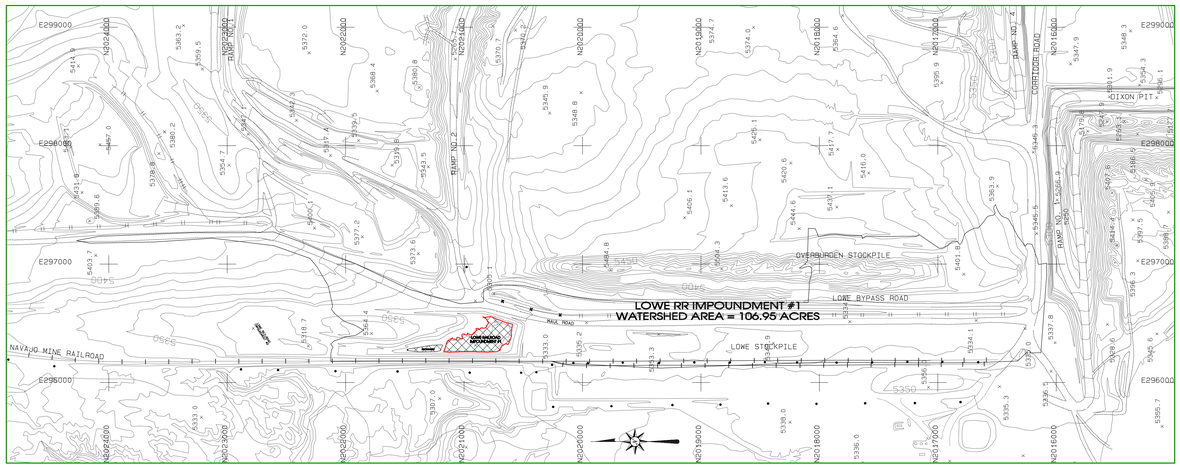
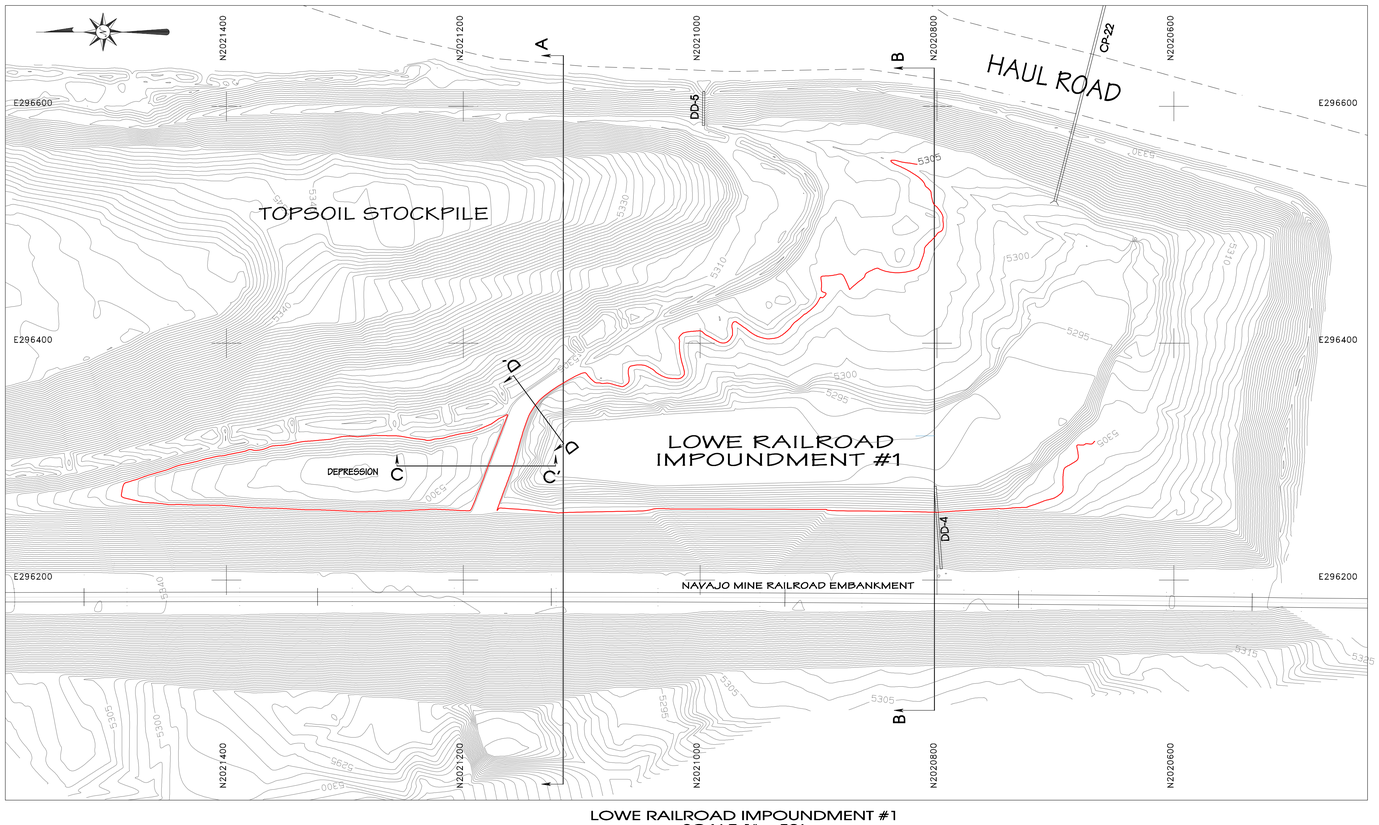
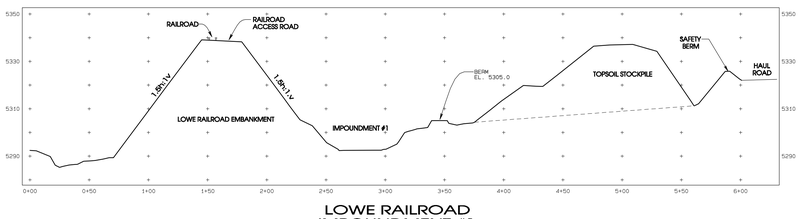


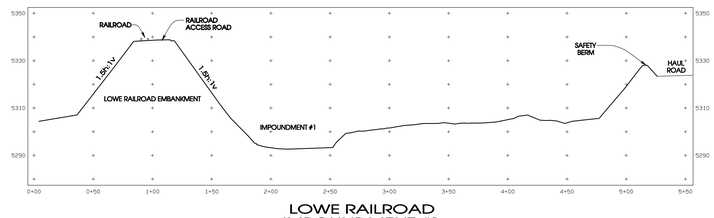
LOCATION MAP
SCALE 1" = 500'



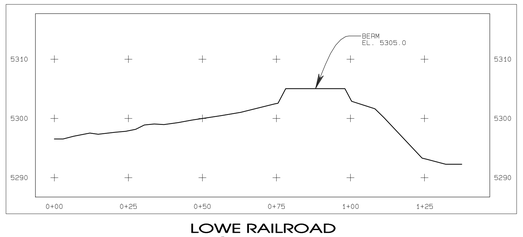
LOWE RAILROAD IMPOUNDMENT #1
SCALE 1" = 50'



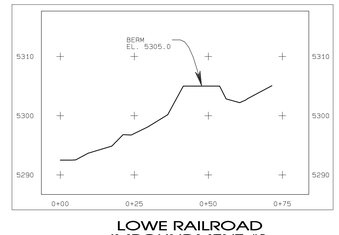
LOWE RAILROAD
IMPOUNDMENT #1
CROSS SECTION A-A'



LOWE RAILROAD
IMPOUNDMENT #1
CROSS SECTION B-B'



LOWE RAILROAD
IMPOUNDMENT #1
CROSS SECTION C-C'



LOWE RAILROAD
IMPOUNDMENT #1
CROSS SECTION D-D'

LEGEND

- PAVED ROAD
- DIRT ROAD
- HAUL ROAD
- TRAIL
- 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 BNDY

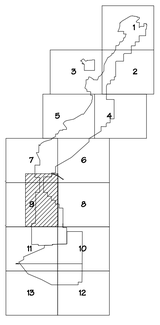
NOTES

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

STAGE STORAGE DATA

ELEV feet	AREA acres	VOLUME ac-ft	CUM. VOLUME ac-ft
5293	0.38	0.00	0.00
5294	0.67	0.53	0.53
5295	0.80	0.74	1.27
5296	0.91	0.86	2.13
5297	1.00	0.96	3.09
5298	1.10	1.06	4.15
5299	1.21	1.16	5.31
5300	1.34	1.28	6.59
5301	1.53	1.45	8.04
5302	1.71	1.62	9.66
5303	1.91	1.81	11.47 (2)
5304	2.13	2.02	13.49
5305	2.31	2.22	15.71
5306	3.18 (1)	4.57 (1)	20.28 (1)
5307	3.50	3.37	23.65
5308	3.77	3.66	27.31
5310	8.30	8.08	35.39
5312	9.19	9.08	44.47
5314	9.91	9.80	54.27
5316	10.65	10.54	64.81
5318	11.38	11.28	76.09
5320	12.10	12.01	88.10
5322	12.86	12.76	100.86 (3)

(1) AREA AND VOLUME FROM ELEV. 5298 TO 5305 FROM ADJACENT DEPRESSION INCLUDED.
(2) PEAK STAGE FOR DESIGN STORM EVENT (100 YR - 6 HR) = 5 ACRE-FEET.
(3) MAXIMUM IMPOUNDMENT CAPACITY.



REV. No.	DATE	DRAFT. BY	REVISION DESCRIPTION	ENG.	E. G.	P. E.
08-A	02-11-08	PJF	MODIFIED LOWE RAILROAD IMPOUNDMENT #1 AND SUBMITTED TO OSM FOR REVIEW AND APPROVAL.	S. SMITH	M. MENALLY	RCVV

APPROVALS

CERTIFICATION STATEMENT

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

RON C. VAN VALKENBURG — NEW MEXICO — 9263 — LICENSED PROFESSIONAL ENGINEER

EXHIBIT 11-67C

BHP NAVAJO COAL COMPANY

NAVAJO MINE — SAFETY — PAYS

P.O. BOX 155 FRUITLAND, NEW MEXICO 87416

AREA III

LOWE RAILROAD
IMPOUNDMENT #1
MODIFIED POND DESIGN

PREPARED BY	Shawn Smith	DRAWN BY PJFoster	SCALE AS NOTED
APPROVED BY	RV	DATE 01/24/2008	REF DWG EXH. 11-67

D:\Gis\Permit\Kch 11\Exh 11-67\Lowe-Railroad Imp 1-2\Design Data\11-67C.pro
P.Foster, Thursday, 01.24.2008 2:27:21 PM