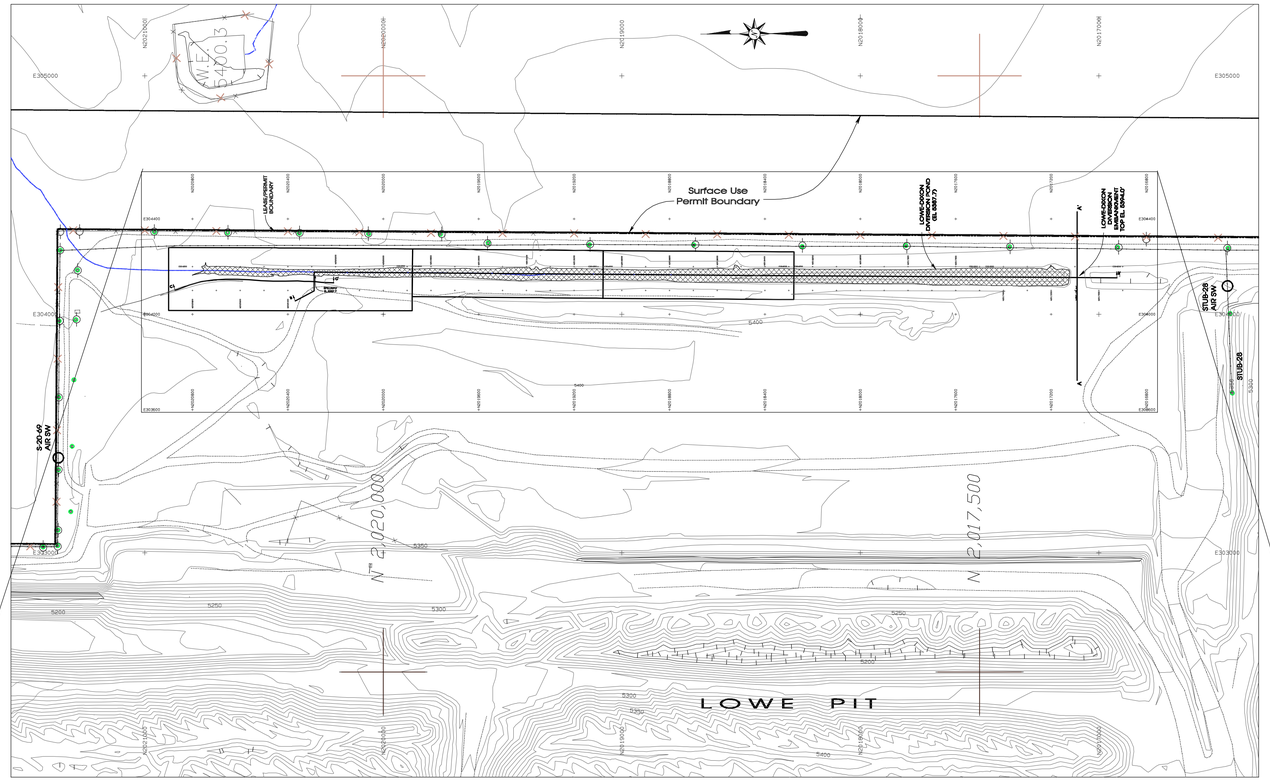
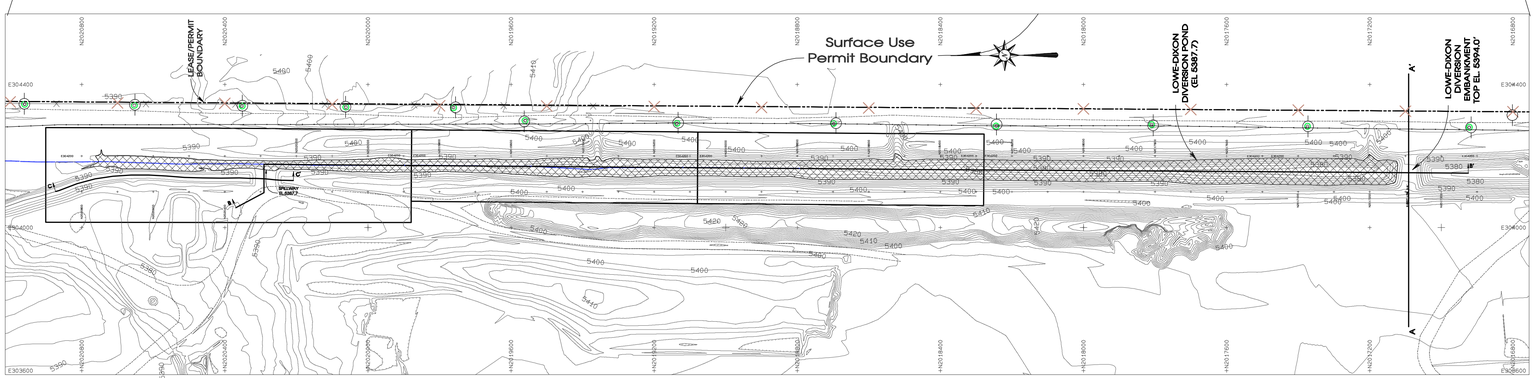


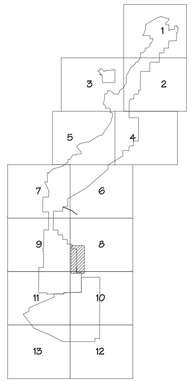


LEGEND

- 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-AA in the approved PAP.
2. Refer to Table 11-7 for additional data.
3. This Impoundment is for Stormwater runoff control to reduce inflow to Lowe and Dixon Pits.



SCALE AS NOTED

SHEET INDEX

Exhibit 11-151 Sheet 1 of 4, Lowe-Dixon Diversion As-Built Location Map

Exhibit 11-151 Sheet 2 of 4, Lowe-Dixon Diversion As-Built Plan and Profile

Exhibit 11-151 Sheet 3 of 4, Lowe-Dixon Diversion As-Built Plan and Profile

Exhibit 11-151 Sheet 4 of 4, Lowe-Dixon Diversion As-Built Plan, Profile and X-Sections

CERTIFICATION STATEMENT

I, Ron C. Van Valkenburg, hereby certify that this structure has been constructed in accordance with the Approved Design Plans except:

* Spillway constructed at 5387.7 (Design was 5387.8)
* Embankment top width was increased to 35 ft. (Design was 20 ft.) and upstream slope constructed at 3:1 (Design was 2:1).
* Spillway bottom width is 52 ft. (Design was 60 ft) and flatter side slopes.

RON C. VAN VALKENBURG
NEW MEXICO
9263
LICENSED PROFESSIONAL ENGINEER

REV No.	DESCRIPTION	REV BY	DATE
1	SUBMITTED TO DSM FOR REVIEW	BJF	01-23-08
2	UPDATED BASIS and SUBMITTED TO DSM FOR REVIEW	PJF	07-15-08
3	UPDATED BASIS and SUBMITTED TO DSM FOR REVIEW	PJF	11-30-09
4			
5			

PROJECT MANAGER: K. BAHE
ENGR. of RECORD: R. VAN VALKENBURG
REG. NO. NM-9263
SRVYR. of RECORD:
REG. NO.

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

ACCOUNT:
DATE: DEC. 15, 2007
DESIGNED BY: Ron Valkenburg
DRAWN BY: PJFOSTER
CHECKED BY: Ron Van Valkenburg
APPROVED BY: Ron Van Valkenburg

LOCATION MAP

EXHIBIT 11-151
LOWE-DIXON DIVERSION POND AS-BUILT

DRAWING

SHEET 1 OF 4

C:\Job\Permit File\Exhibit 11-151\Lwe-Dix\ 11-151_Lwe-Dix Div Pnd_As-Built.dwg