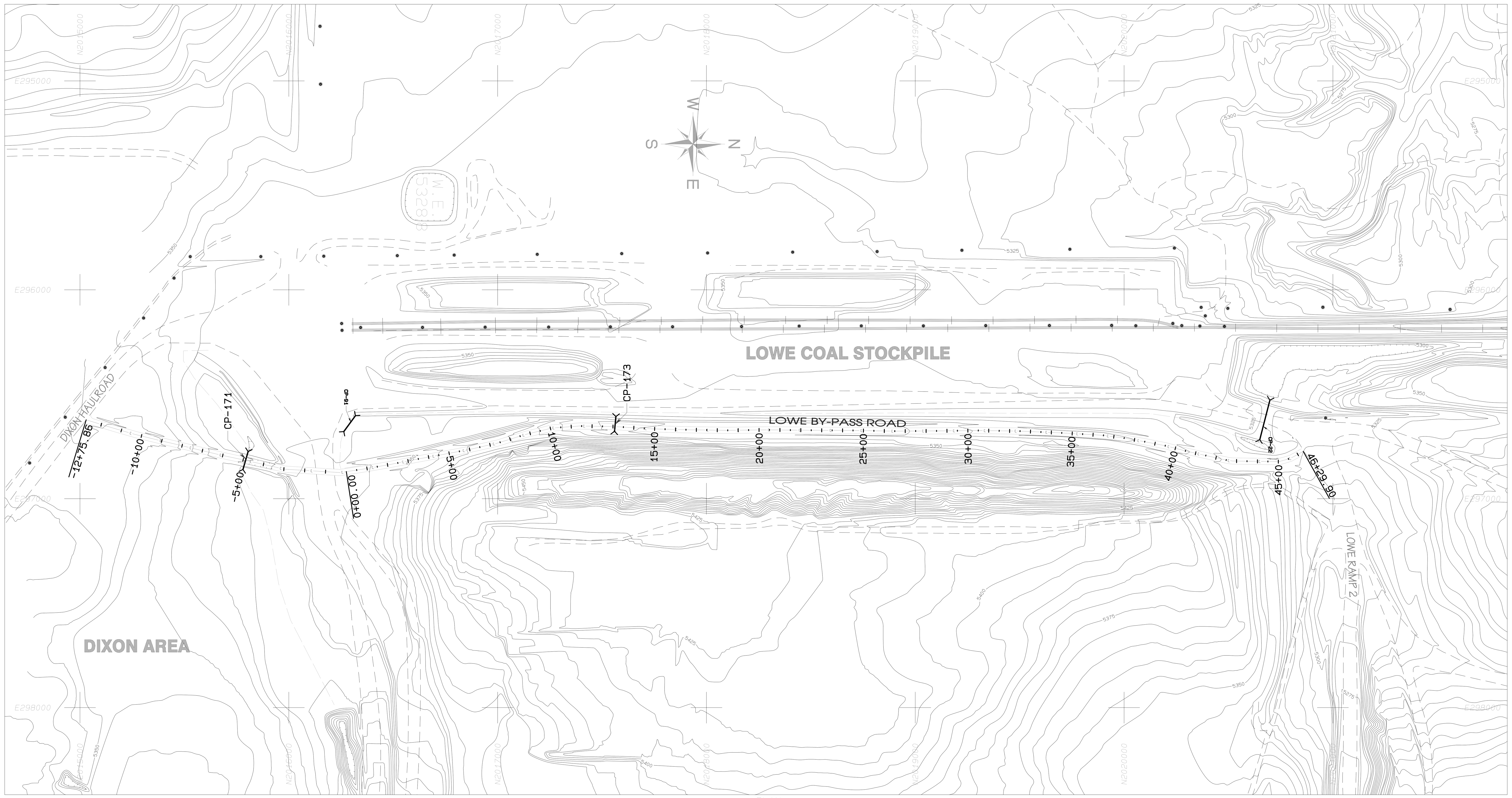
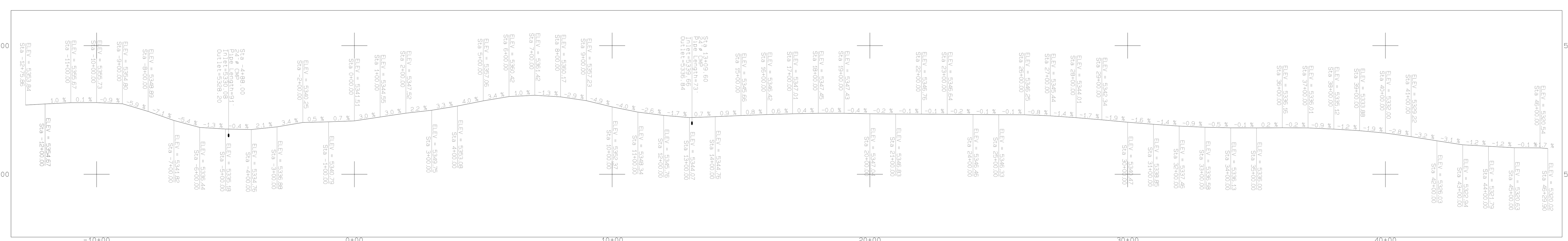
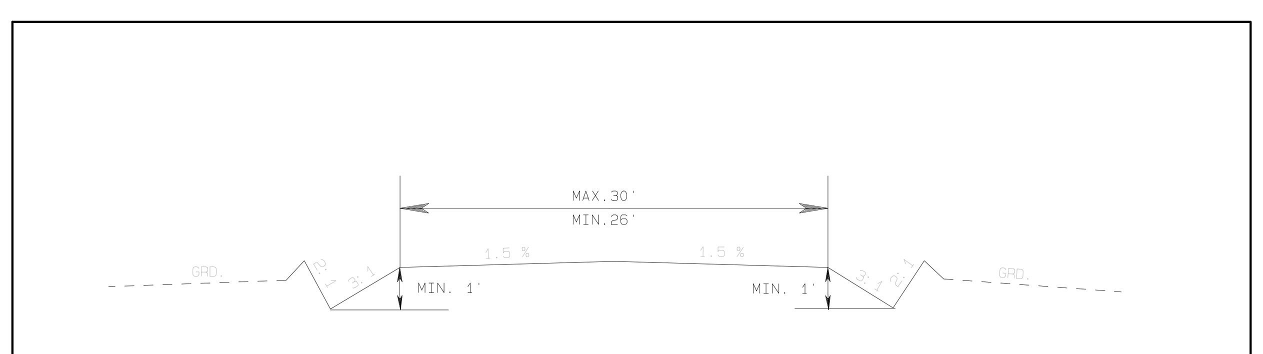


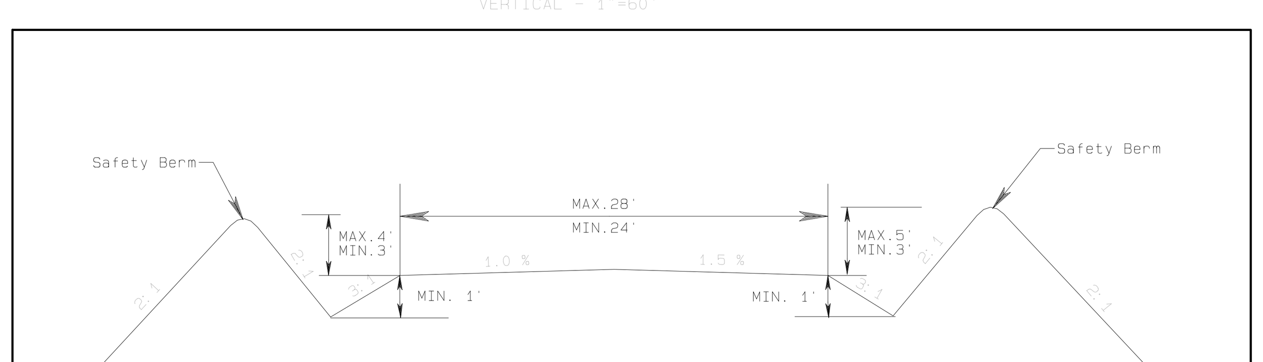
PLAN
Scale: 1" = 300'



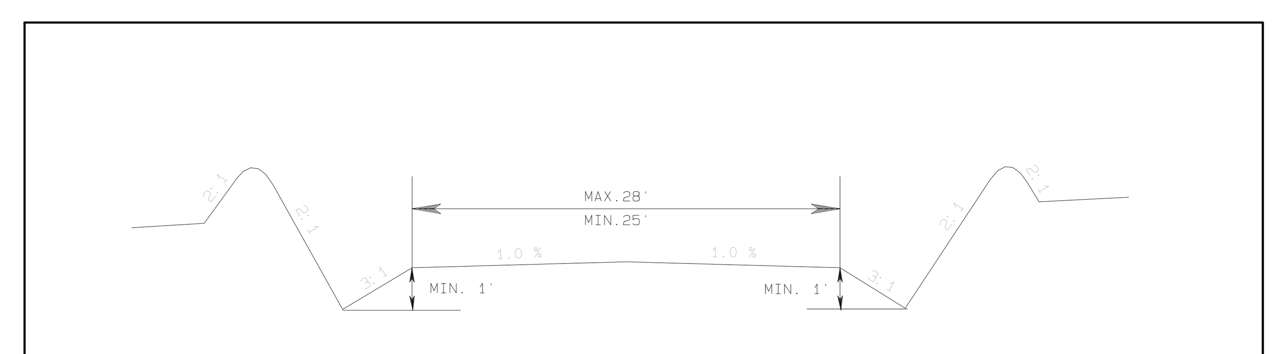
CENTERLINE PROFILE
HORIZONTAL - 1"=300'
VERTICAL - 1"=60'



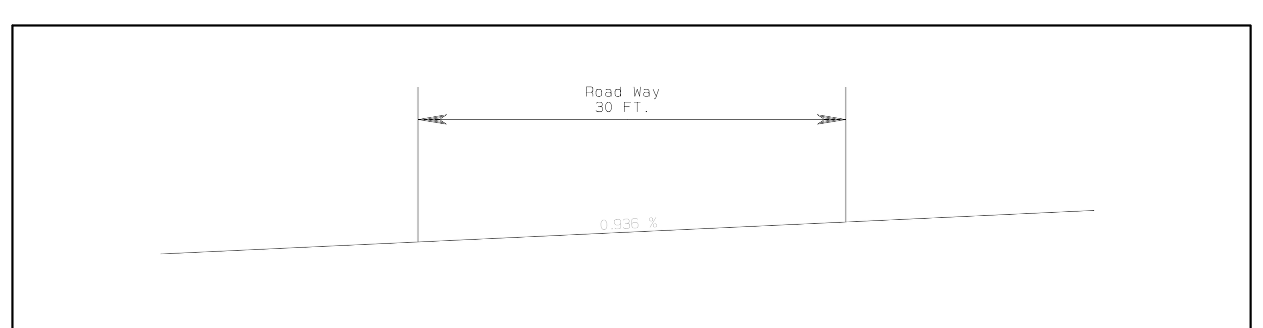
TYPICAL SECTION
FROM STA.-12+75.86 TO -6+50.0
N.T.S.



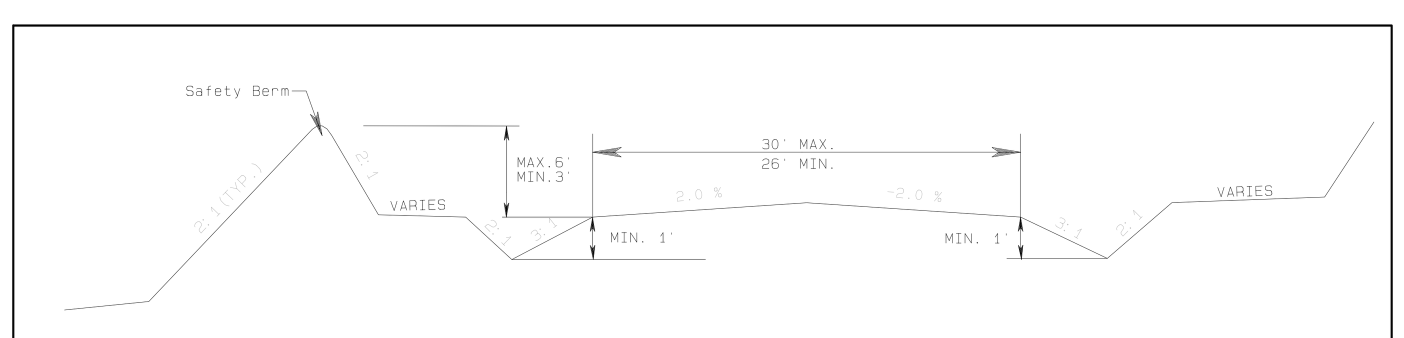
TYPICAL SECTION
FROM STA.-6+50 TO -3+70.0
N.T.S.



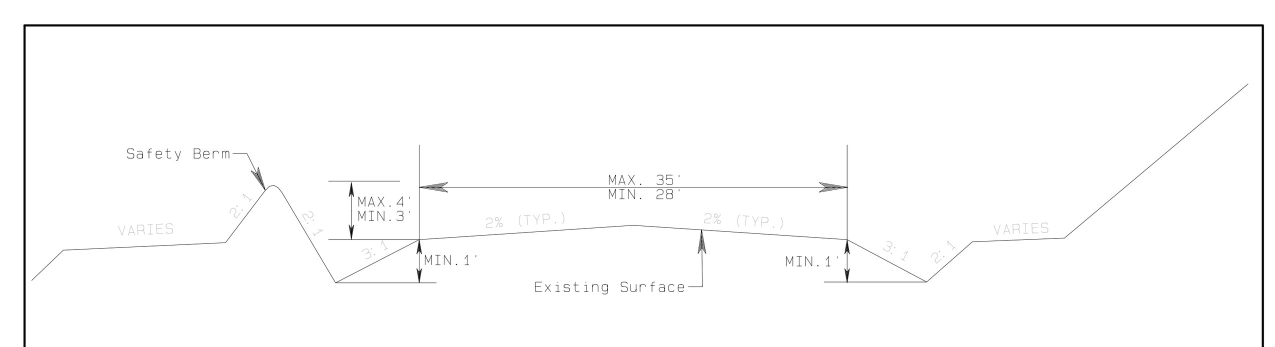
TYPICAL SECTION
FROM STA.-3+70 TO -2+50.0
N.T.S.



TYPICAL SECTION
FROM STA.-2+50 & TO 0+30.34
N.T.S.



TYPICAL SECTION
FROM STA.-0+30.34 & TO 12+81.86
N.T.S.



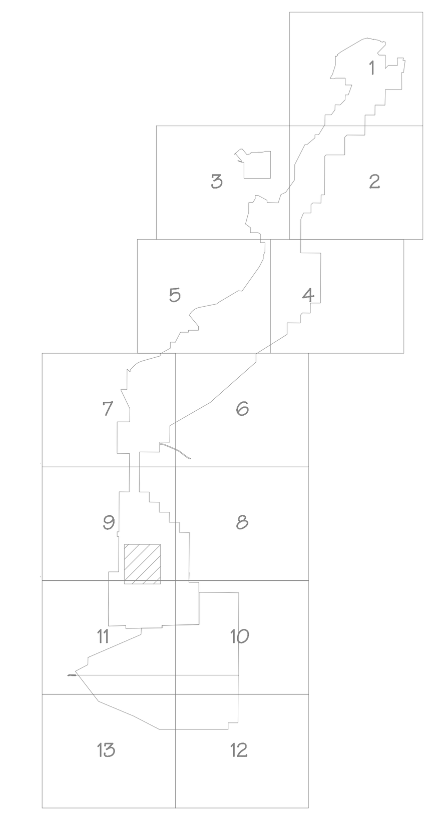
TYPICAL SECTION
FROM STA.12+81.86 TO 46+29.90 (EXISTING ROAD)
N.T.S.

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-V in the approved PAP.
2. The watershed areas for culverts are shown on Exhibit 11-12E.



SCALE AS NOTED

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this light vehicle access road 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.

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER

1. Culvert CP-172 at approximately sta. 0+00 was not required therefore it was not installed. Drainage will cross the roadway and into culvert CP-91.
2. The alignment from approximately sta -5+00 to -12+75 was slightly changed to better fit the topograghy.

REV No.	DESCRIPTION	REV BY	DATE
1	EXHIBIT 11-102B REPLACES EXHIBIT 11-102C AND D. SUBMITTED TO OSM FOR REVIEW.	RY	12-31-03
2			
3			
4			
5			

PROJECT MANAGER: DEREK RAWSON
ENGR. of RECORD: LRAYMOND
REG. NO: 6600
SRVYR of RECORD:
REG. NO:

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

ACCOUNT:
DATE: December 7, 2003
DESIGNED BY: RY
DRAWN BY: RY
CHECKED BY: LR
APPROVED BY:

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-102B
LOWE BY-PASS ROAD MODIFICATION AS-BUILT

DRAWING

SHEET 1 OF 1

Path: G:\Departments\Gs\OSM_SUBM\PER_PROG\CH_11_PAP EXHIBIT\11-102-LOWE BY-PASS\EXHIBITS\Lowe Bypass Modification Road Asbuilt.pro