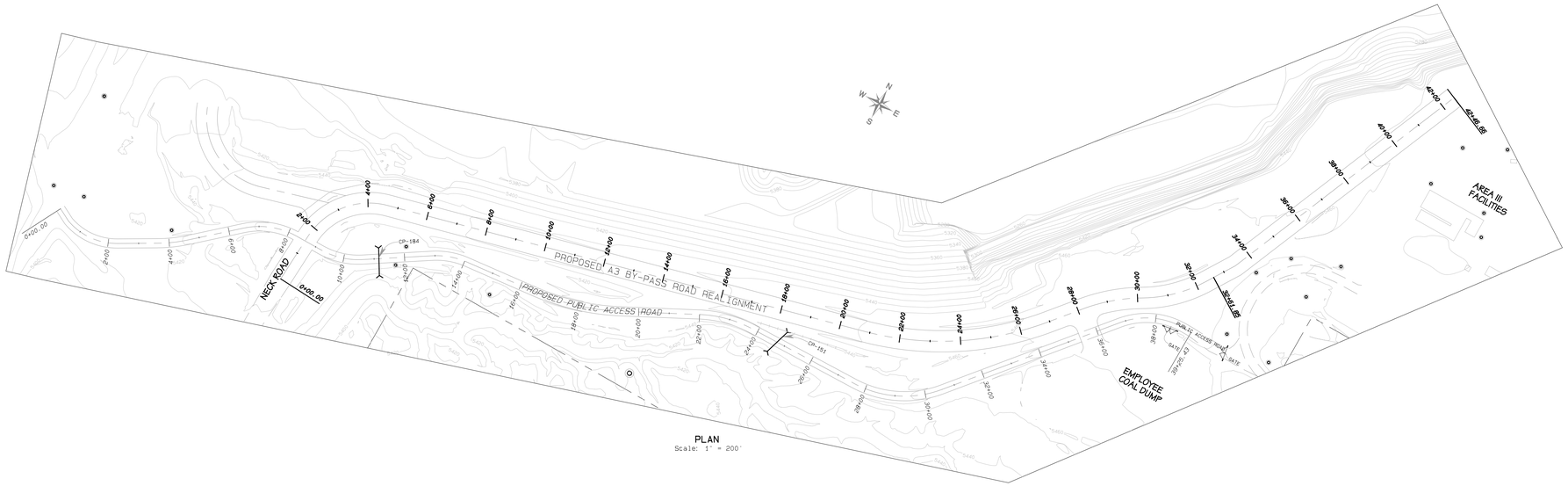


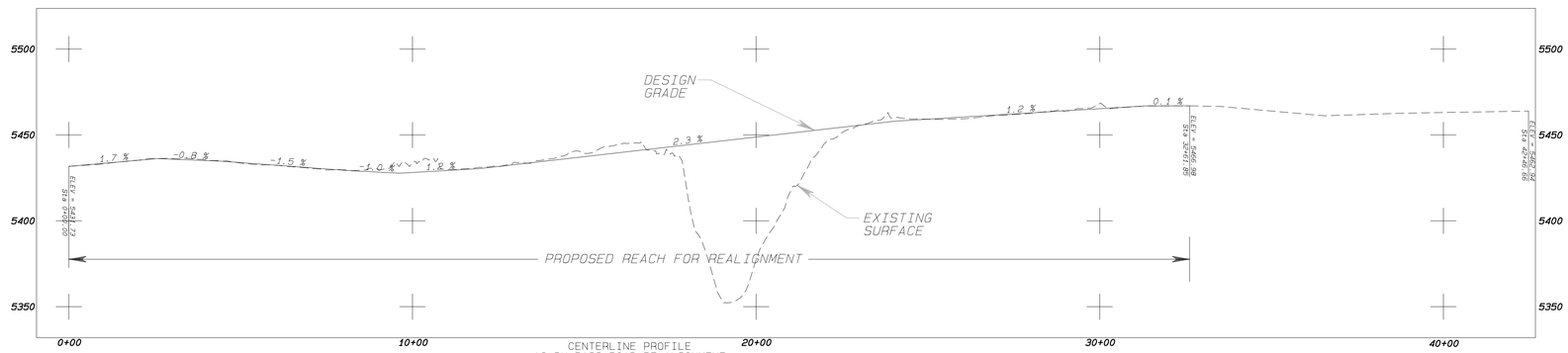
PLAN
Scale: 1" = 200'

LEGEND

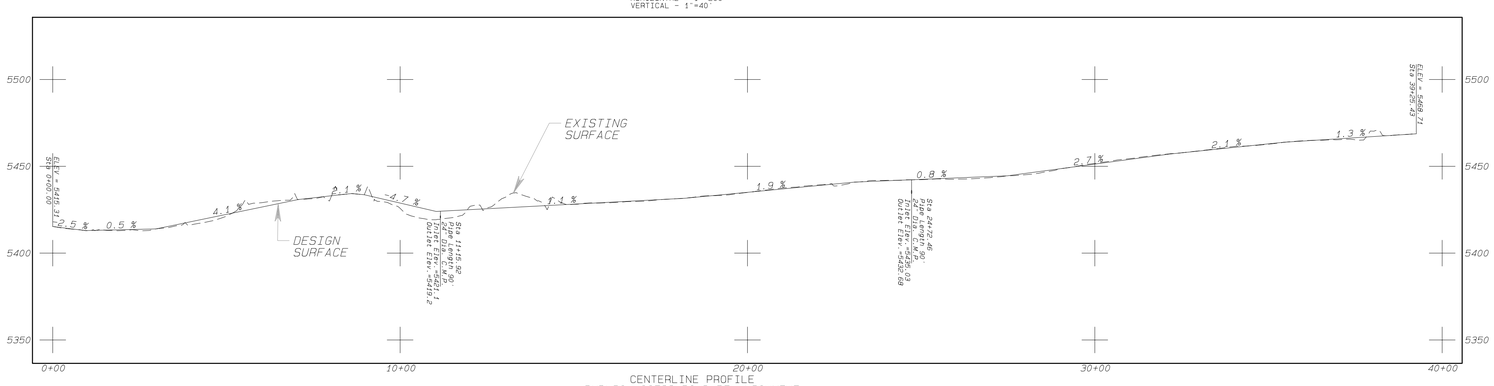
- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5339.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 △ 5422.45
- L-30 LEASE CORNER
- PERMIT/LEASE BOUNDARY
- CULVERT

NOTES

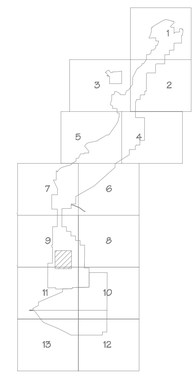
1. For hydrology and design information refer to Appendix 11-V in the approved PAP.
2. The watershed areas for culverts are shown on Exhibit 11-12D.



CENTERLINE PROFILE
A3 BY-PASS ROAD RE-ALIGNMENT
HORIZONTAL - 1"=200'
VERTICAL - 1"=40'



CENTERLINE PROFILE
PUBLIC ACCESS ROAD RE-ALIGNMENT
HORIZONTAL - 1"=200'
VERTICAL - 1"=40'

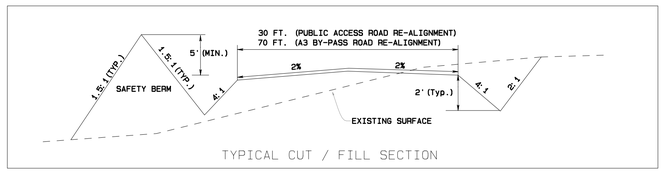


SCALE AS NOTED

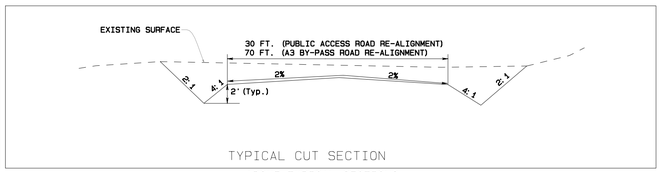
CERTIFICATION STATEMENT

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.

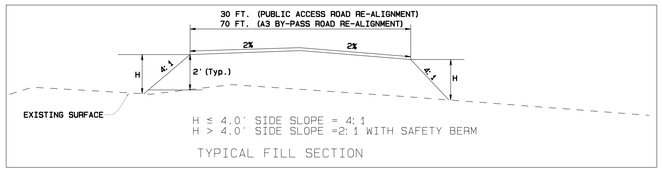
LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER



TYPICAL CUT / FILL SECTION



TYPICAL CUT SECTION



TYPICAL FILL SECTION

ABOVE TYPICAL SECTIONS
N.T.S

REV BY	DESCRIPTION	DATE
0	SUBMITTED TO OSM FOR APPROVAL	10-12-04
1		
2		
3		
4		
5		

PROJECT MANAGER: DR
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

ACCOUNT: Set by PALIAVO command 4
DATE: AUGUST 20, 2004
DESIGNED BY: RY
DRAWN BY: RY
CHECKED BY: LR
APPROVED BY:

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-90
A3 BY-PASS ROAD / PUBLIC ACCESS ROAD RE-ALIGNMENT DESIGN

DRAWING

SHEET 1
OF 1

PATH: G:\Draft Mnts\GA\OSM_SUBM\PIB_2600\CH_11_PAP EXHIBIT 11-90A & B\A3 BY-PASS ROA\A3 BY-PASS_PUBLIC ROAD 2CSIZN.dwg