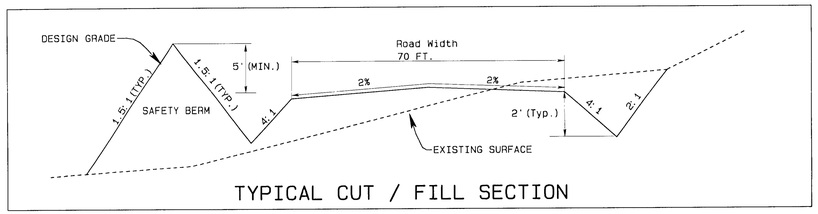
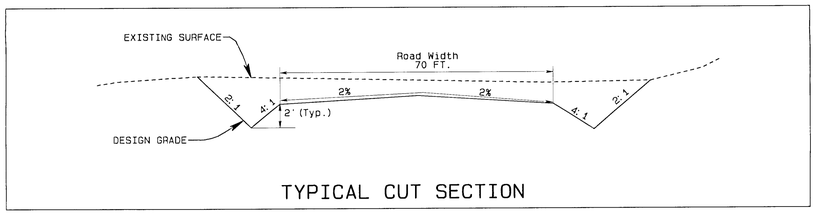
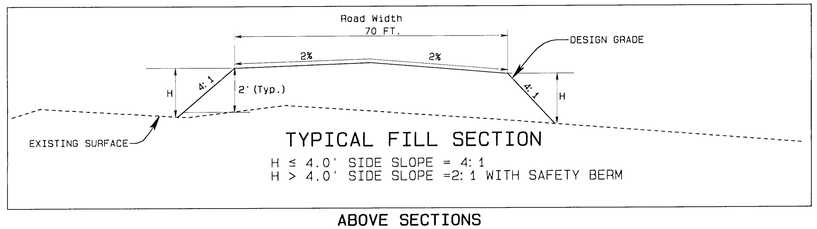


TYPICAL CUT / FILL SECTION



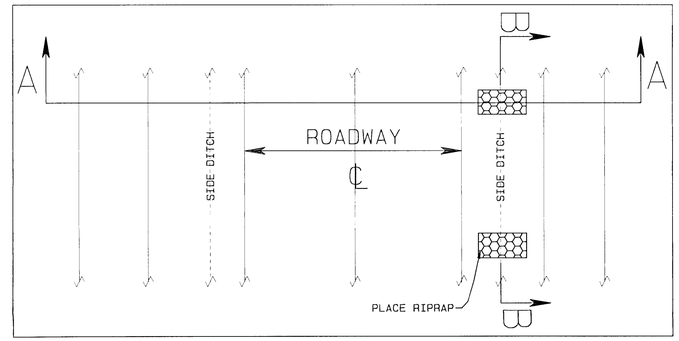
TYPICAL CUT SECTION



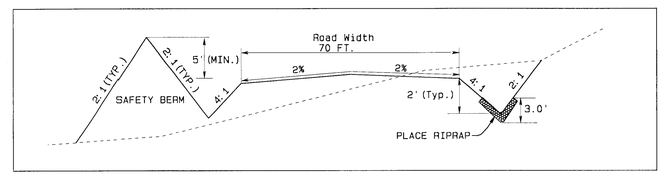
TYPICAL FILL SECTION

H ≤ 4.0' SIDE SLOPE = 4:1
H > 4.0' SIDE SLOPE =2:1 WITH SAFETY BERM

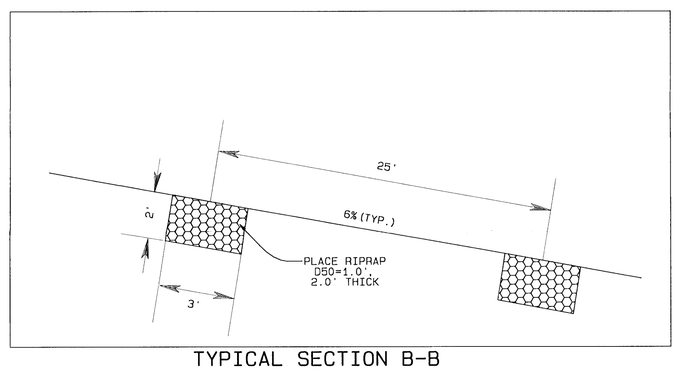
ABOVE SECTIONS
N.T.S



TYPICAL PLAN
Station 18+50 to 39+50



TYPICAL SECTION A-A



TYPICAL SECTION B-B

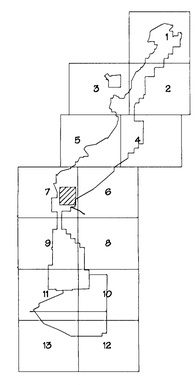
N.T.S

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



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

11-22-11

APPROVED

REV BY	DATE	DESCRIPTION
1	RH	11-22-02 SUBMITTED TO OSM FOR APPROVAL
2		
4		
5		

PROJECT MANAGER: JG
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:
DATE: NOV. 22, 2002
DESIGNED BY: LR
DRAWN BY: RH
CHECKED BY: LR
APPROVED BY: LR

PLAN, PROFILE AND SECTIONS

EXHIBIT 11-100B
BARBER BYPASS ROAD DESIGN

DRAWING

SHEET 3 OF 3

Date: = 10/08/2008 PROJECT: 11115-100SUBMITTL\Barber Bypass Design.pmp