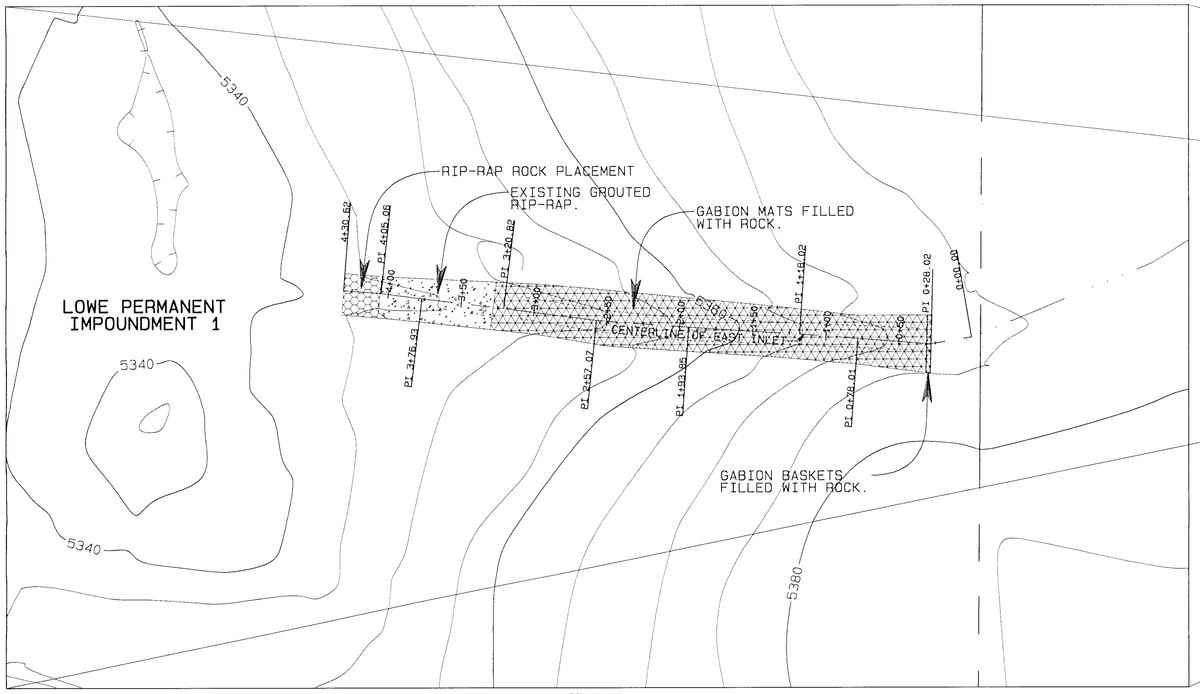
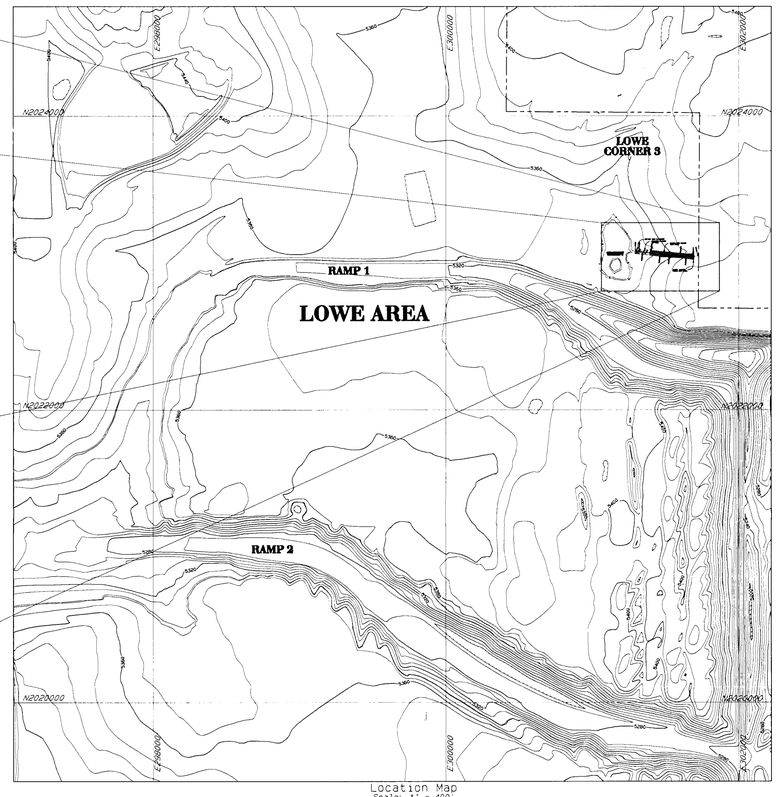


Plan
Scale: 1" = 50'



Location Map
Scale: 1" = 400'

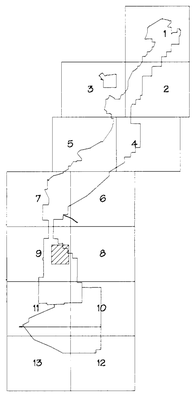
N
W E
S

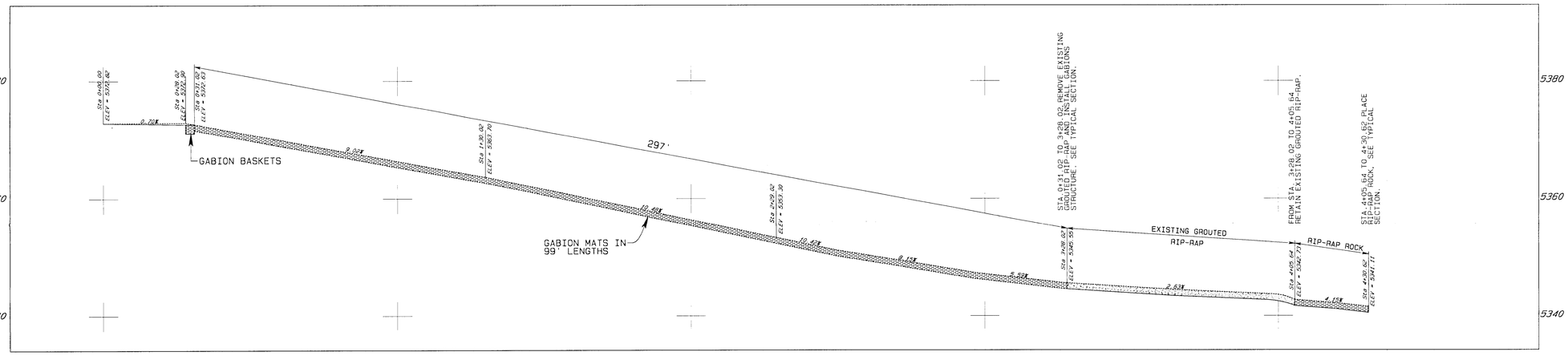
LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- POWERLINE
- x5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- LEASE BOUNDARY

NOTES

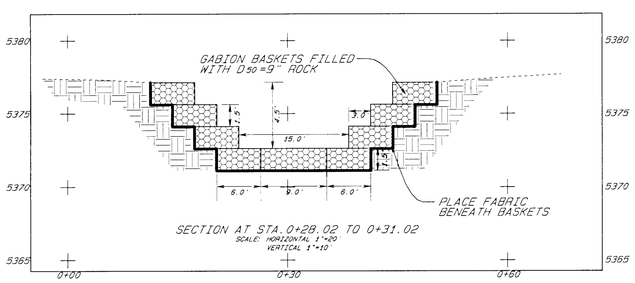
1. For design information refer to Appendix 12-F in the approved PAP.
2. Install Gabions per manufacture's procedures and recommendations.



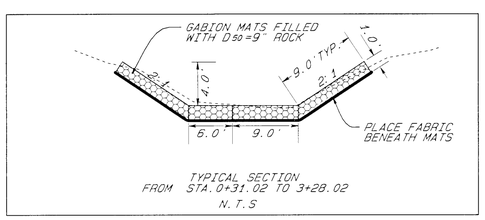


Centerline Profile
Horizontal: 1" = 20'
Vertical: 1" = 10'

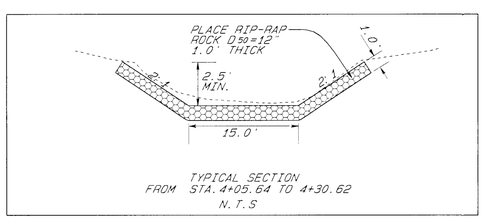
SCALE AS NOTED



SECTION AT STA. 0+28.02 TO 0+31.02
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=10'



TYPICAL SECTION
FROM STA. 0+31.02 TO 3+28.02
N.T.S



TYPICAL SECTION
FROM STA. 4+05.64 TO 4+30.62
N.T.S

CERTIFICATION STATEMENT

I, Leonard Raymond, hereby certify that this drawing has been reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

LEONARD RAYMOND
NEW MEXICO
9800
REGISTERED PROFESSIONAL ENGINEER

12-18-03

DEC 2003
APPROVED

REV NO.	REV BY	DATE	DESCRIPTION
1			SUBMITTED TO OSM FOR APPROVAL
2			
4			
5			

PROJECT MANAGER: DH
ENGR. of RECORD: LH
REG. NO. 9800
SRVYR. of RECORD:
REG. NO.

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

ACCOUNT:
DATE: December 17, 2003
DESIGNED BY: HAZZIE
DRAWN BY:
CHECKED BY: LH
APPROVED BY: LH

PLAN, PROFILE AND SECTION

EXHIBIT-12-33
LOWE CORNER 3
EAST DROP STRUCTURE DESIGN

DRAWING

SHEET 1 OF 1