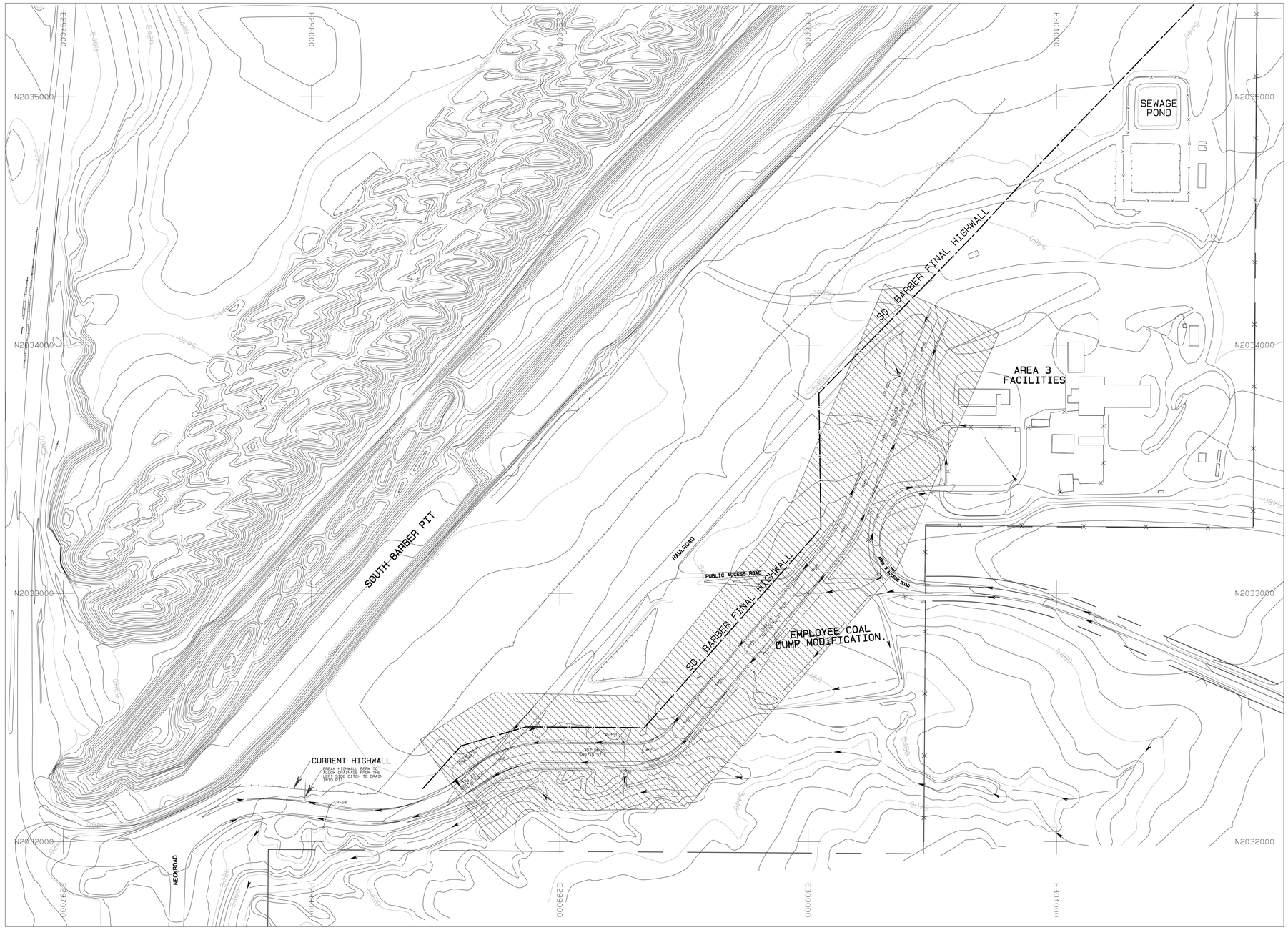


LOCATION AND DRAINAGE PLAN

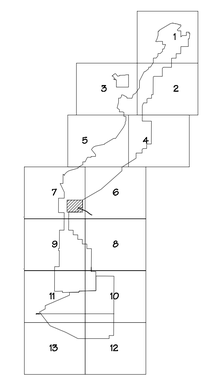
Scale: 1" =200'

LEGEND

- ROAD
- TRAIL
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 218 5422.45 CONTROL
- LEASE
- LOCATION
- WATERSHED

NOTES

1. For hydrology and design information refer to Appendix 11-V in the approved PAP.
2. The drainage from left side ditch will be diverted into the pit at a lowpoint downstream from culvert CP-68. The inlet to culvert CP-68 is plugged by the highwall berm and will no longer be functional.
3. For Employee Coal Dump Modification, see Exhibit 11-132B.



SCALE: AS NOTED

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 6600 REGISTERED PROFESSIONAL ENGINEER

REVISION	DATE
1 SUBMITTED TO DSM FOR APPROVAL	04/12/00
2	
3	
4	
5	

PROJECT MANAGER: COREY NELSON
ENGR. of RECORD: LEONARD RAYMOND
REG. NO. 6600
SRVYR of RECORD:
REG. NO.

BHP-NAVAJO COAL CO.

PO BOX 155, FRUITLAND, NEW MEXICO, 87416

ACCOUNT: April 12, 2000
DATE: April 12, 2000
DESIGNED BY: RF
DRAWN BY: RF
CHECKED BY: LR
APPROVED BY: LR

PLAN, PROFILE AND SECTION

EXHIBIT 11-91
AREA III BY-PASS ROAD RE-ALIGNMENT DESIGN

DRAWING DWG ID1

SHEET 1 OF 2

Project Desc.: Path: G:\Departments\GSM_SURVYR\PROJ\11_PAP EXHIBIT\11-090 & 91-143 BY-PASS RE-ALIGNMENT\11-91 BYPASS ROAD RE-ALIGNMENT.dwg Fri Apr 14 10:36:01 2000