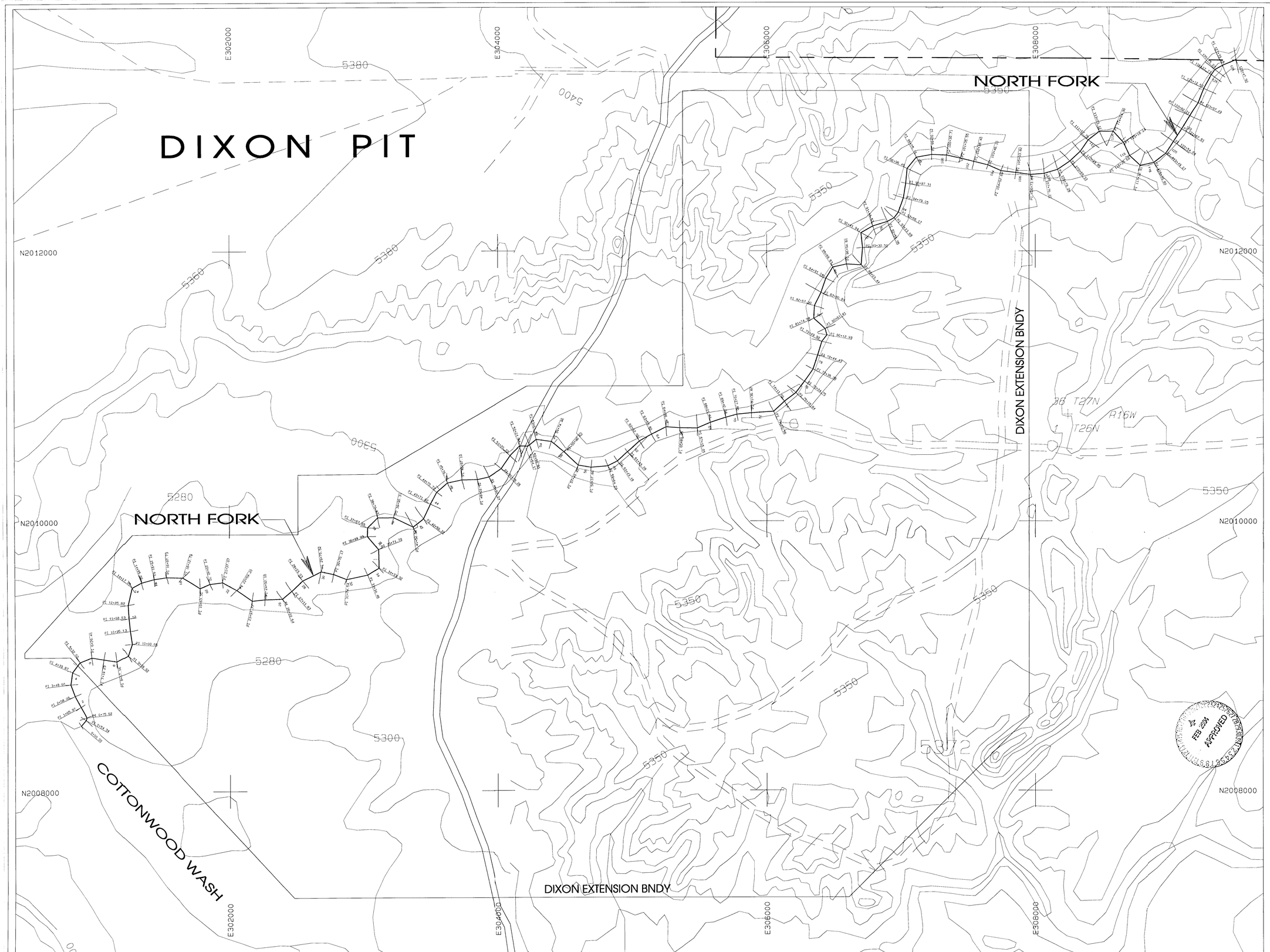
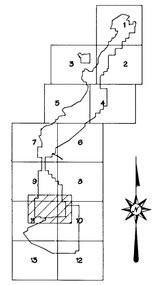


LEGEND

- ROAD
- WATERSHED
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- ×5338.5 SPOT ELEVATION
- 5300 INDEX CONTOUR
- 5298 INTERMEDIATE CONTOUR
- 219 5482.45 L-30 LEASE CORNER
- LEASE/PERMIT BOUNDARY



NOTES

1. THE HEC-RAS RESULTS ARE PRESENTED IN APPRENDIX 11-Y2.

CERTIFICATION STATEMENT

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

LEONARD RAYMOND NEW MEXICO 6600 REGISTERED PROFESSIONAL ENGINEER

3-20-03

REV. NO.	DATE	DRAFT. BY	REVISION DESCRIPTION	DWG	E & S	P.E. APPROVALS
A	5-10-01	PJF	SUBMITTED TO OSM FOR REVIEW AND APPROVAL	LR	MC	LR

EXHIBIT 11-78A

BHP NAVAJO COAL COMPANY

NAVAJO MINE

P.O. BOX 195 FRUITLAND, NEW MEXICO 87416

AREA-III NORTH FORK PRE-MINING CHANNEL ALIGNMENT HEC-RAS X-SECTION LOCATIONS

(SHEET 3 OF 3)

PREPARED BY PJF	DRAWN BY PJF	SCALE 1"= 300'
APPROVED BY LR	DATE 4-27-2001	

Path: C:\DRAFTING-2001\Area-3 AOC_Update\AOC EXH-UPDATE\EXH 11-78A_B_E-1B.prp

PJFoster \Plot time: Tue Mar 18 11:58:02 2003

PATH C:\DRAFTING-2001\Area-3 AOC_Update\AOC EXH-UPDATE\EXH 11-78A_B_E-1B.prp