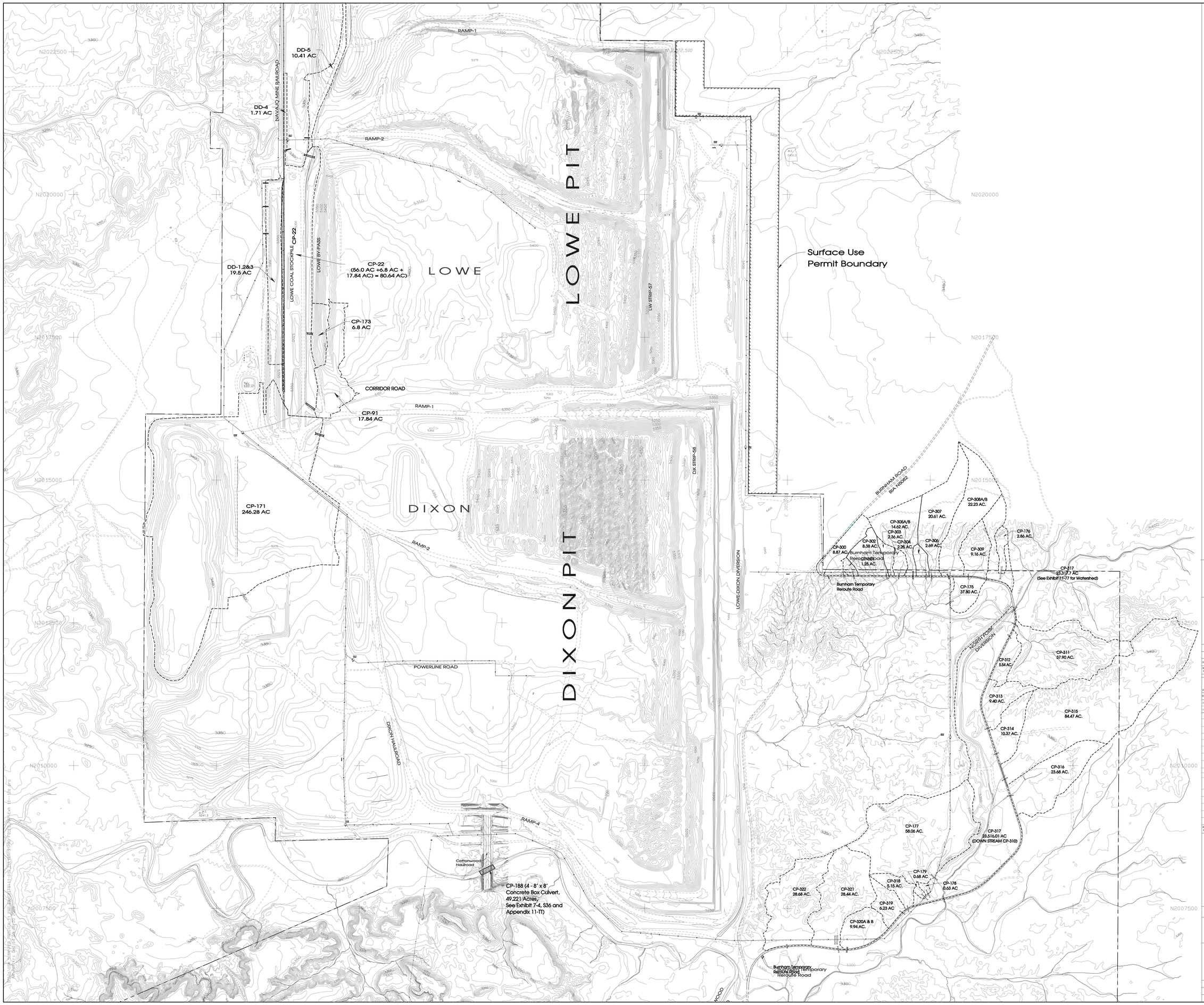
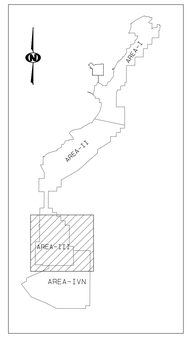


LEGEND

- PAVED ROAD
- DIRT ROAD
- HAUL ROAD
- TRAIL
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- × 5338.5 — SPOT ELEVATION
- 5300 — INDEX CONTOUR
- INTERMEDIATE CONTOUR
- 218 5422.45 — HORIZ. & VERT. CONTROL
- L-30 — LEASE CORNER
- PERMIT/LEASE BOUNDARY
- CP-82 37.0 AC. — CULVERT AND DOWN DRAINAGE STRUCTURE LOCATIONS AND WATERSHED BOUNDARY



500 0 500 1000
CONTOUR INTERVAL: 10'

REV. No.	DATE	DRAFT. BY	REVISION DESCRIPTION	ENG.	E.G.	P.E.
					APPROVALS	
29/9	9-01-09	PJF	ADDED BURNHAM TEMPORARY REROUTE ROAD AS-BUILT CULVERTS/WATERSHED DATA AND SUBMITTED FOR REVIEW	SSMith	YB	RCV

REV. No.	DATE	DRAFT. BY	REVISION DESCRIPTION	ENG.	E.G.	P.E.
			Original Certified signed exhibits are maintained at the Mine Site and DGM	KAJ SSMith	YB	KAB
29/8	7-12-09	PJF	ADDED 1BR EASTSIDE OF LOWE PIT AND SUBMITTED TO DGM FOR REVIEW	Shawn Smith	YB	RVV
28/A	6-22-09	PJF	ADDED COTTONWOOD HAULROAD CROSSING WITH CP-188, W.S. AREAS NOTE AND SUBMITTED TO DGM FOR REVIEW.	Shawn Smith	YB	RVV
28/A	5-14-08	PJF	UPDATED CP-22,CP-91,CP-171, CP-184, DD-4, DD-5 WATERSHED AREAS AND SUBMITTED TO DGM FOR REVIEW.	Shawn Smith	YB	RVV
27/A	7-25-07	PJF	ADDED CP-184, WITH WATERSHED, SOUTH DIXON PIT AREA AND SUBMITTED TO DGM FOR REVIEW.	RVV	YB	RVV
P	11-15-06	PJF	ADDED CP-183 EASTSIDE OF DIXON PIT AREA AND SUBMITTED TO DGM FOR REVIEW	LR	KJ	LR
O	1-25-06	PJF	REMOVED CP-115,114 EASTSIDE OF DIXON PIT AREA AND SUBMITTED TO DGM FOR REVIEW.	LR	KJ	LR
N	7-08-05	PJF	CHANGED APPENDIX REFERENCE	LR	MC	LR
M	12-14-04	PJF	ADDED CP-188 8 COTTONWOOD CROSSING, DATA, ALSO,UPDATED AREAS FOR CP-188.	LR	MC	LR
L	12-29-03	RV	ADDED CP-113 THROUGH CP-182 WITH WATERSHED AND DATA, ALSO UPDATED AREAS FOR CP-152	LR	MC	LR
K	11-08-03	RV	ADDED CP-185, CP-70 WITH WATERSHED AND DATA, ALSO REVISED DATA FOR CP-152	LR	MC	LR
J	7-12-02	PJF	ADDED CP 152, 153, 154 155, 156 WITH WATERSHED DATA, REMOVED CP-78,80 A/B,81 A/B,96,97 AND 110	LR	MC	LR
I	11-13-00	PJF	Removed CP_125, South Dixon Pit	LR	MC	LR
H	6-14-00	PJF	Removed Collyer Road, CP_112 and CP-108 Culverts.	LR	MC	LR
G	5-27-98	PJF	MID TERM SUBMITTED TO DGM FOR REVIEW AND APPROVAL.	BH	PHS	LR
F	01-28-98	PJF	Updated CP-113 Watershed Bndy and Acreage. Removed DD-6, CP-21 and watershed areas. Updated watershed areas for DD-4,5 and CP-22.	BH FTJ		LR
E	11-14-97	PJF	ADDED CP-113,114,115 and watershed areas. Modified CP-80 Watershed and Removed CP-82.	BH	PHS	FS
D	9-4-97	PJF	ADDED CP-112 and watershed @ south end of Lowe Pit.(Hab. with DGM Approval). B.O.C.			
C	6-22-97	PJF	ADDED CP-111 and watershed @ south end of Lowe Pit Area.			
B	4-07-97	PJF	UPDATED WATERSHED FOR CP-91 LOWE PIT AREA			
A	12-20-95	PJF	SUBMITTED TO DGM FOR APPROVAL.			
REV. No.	DATE	DRAFT. BY	REVISION DESCRIPTION	ENG.	E.G.	P.E.
					APPROVALS	

CERTIFICATION STATEMENT

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

RON C. VAN VALKENBURG
NEW MEXICO
9263
REGISTERED PROFESSIONAL ENGINEER

EXHIBIT 11-12E

BHP NAVAJO COAL COMPANY

NAVAJO MINE

P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

AREA-III_IVN CULVERT/DOWN DRAINAGE STRUCTURE LOCATIONS AND WATERSHED AREAS

PREPARED BY	BTS/PJF	DRAWN BY PJF	SCALE 1" = 500'
APPROVED BY		DATE DEC. 02, 1995	

MAP LOCATION: (See Lower Left Corner)