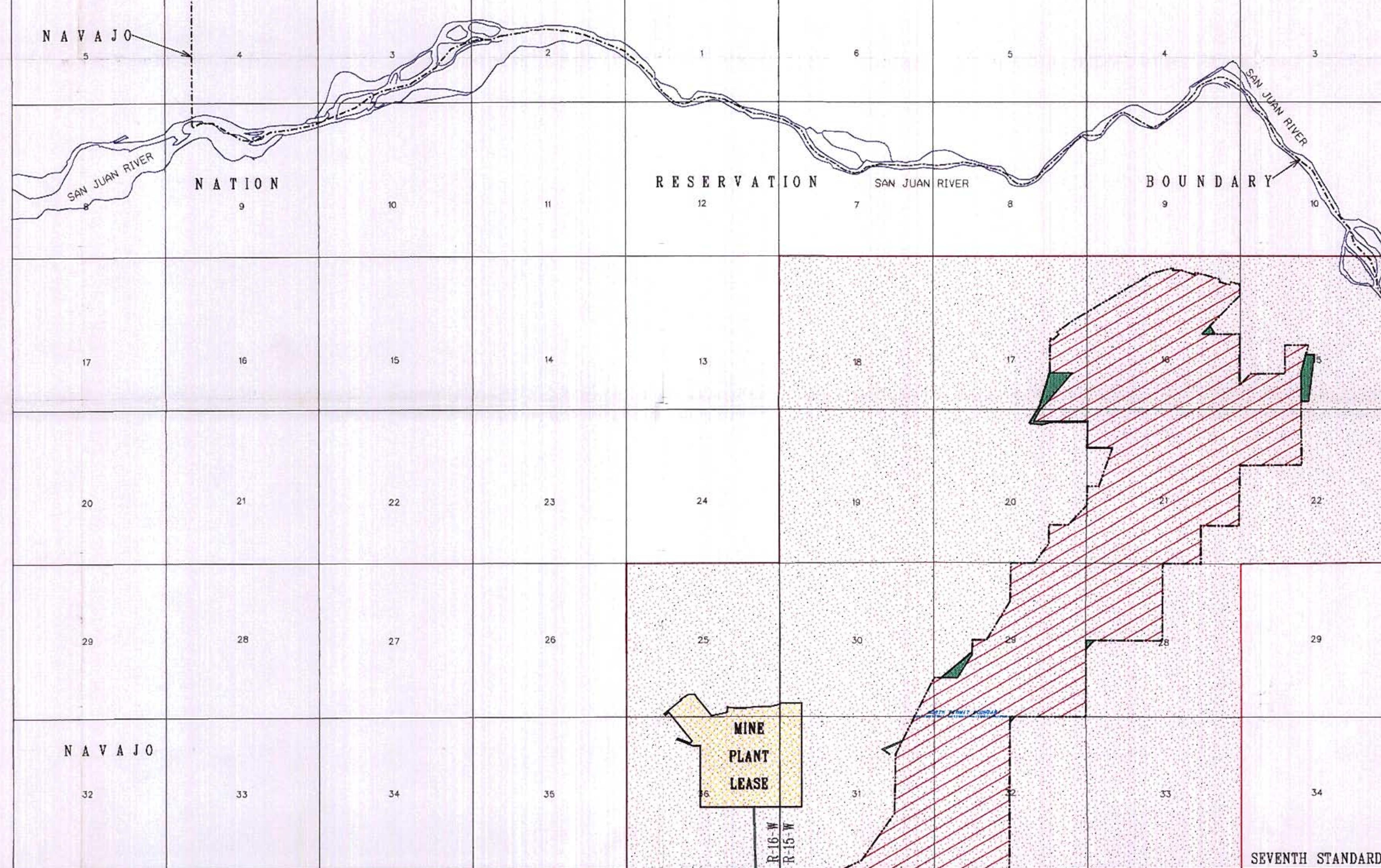


T-30-N
T-29-N

R-16-W
R-15-W

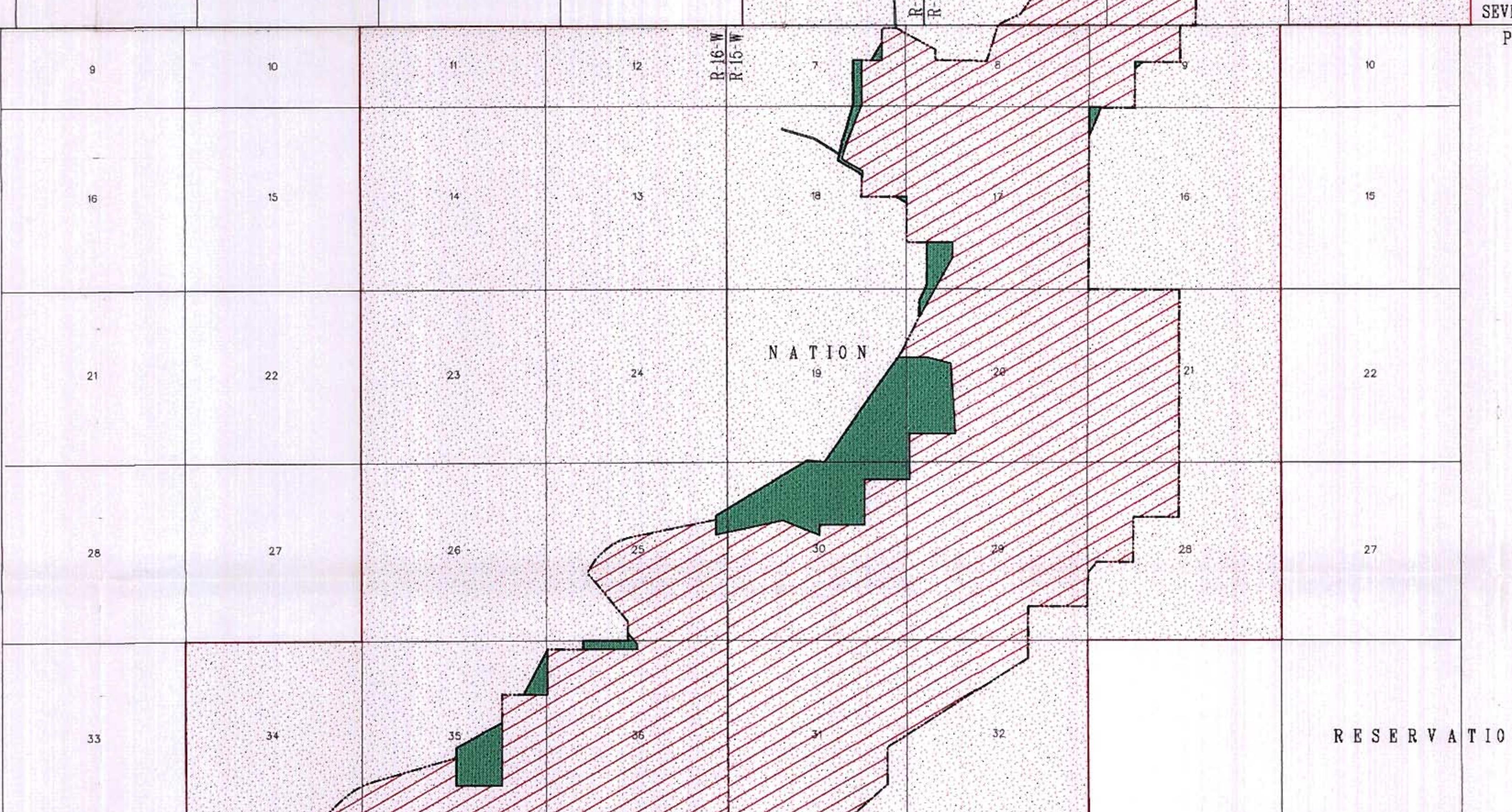
T-30-N
T-29-N



T-29-N
T-28-N

R-16-W
R-15-W

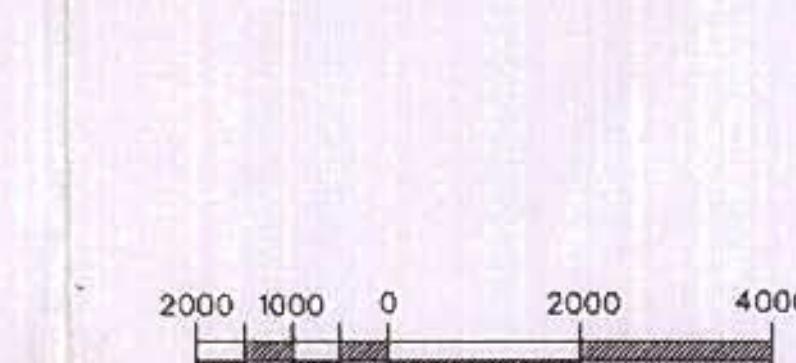
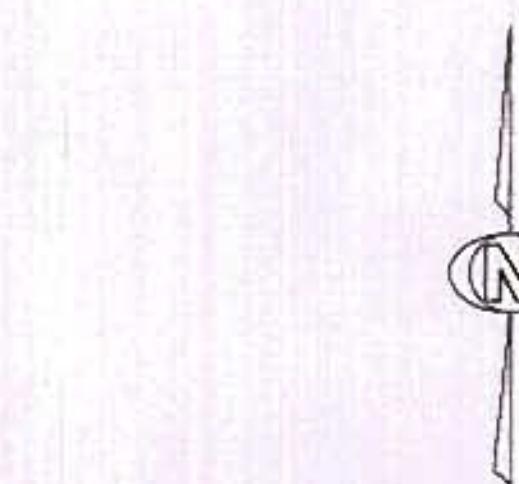
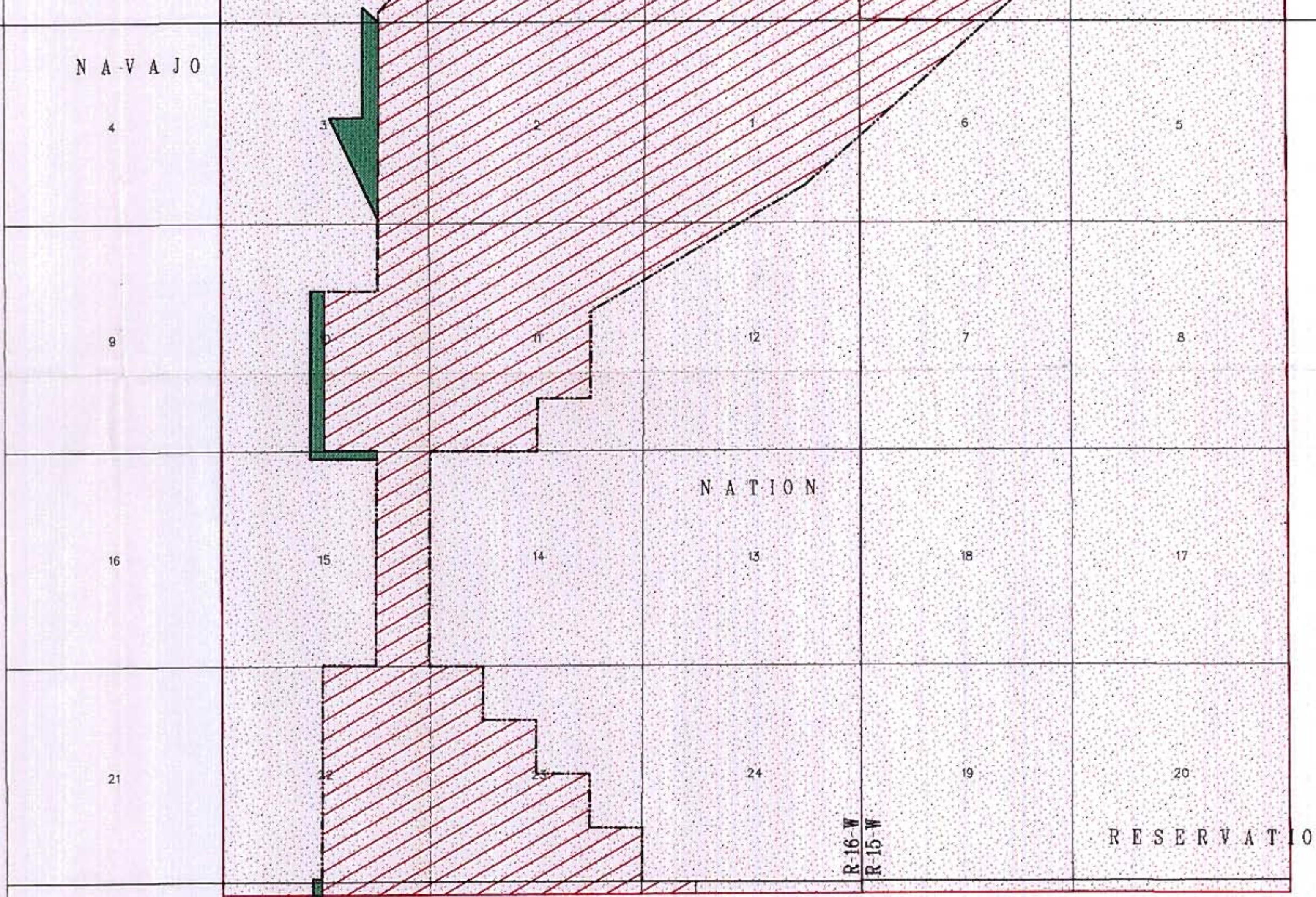
PARALLEL LINE



T-28-N
T-27-N

T-28-N
T-27-N

R-16-W
R-15-W



LEGEND
PERMIT BOUNDARY

SURFACE AND MINERAL OWNERSHIP
The United States of America, in Trust
for the Navajo Nation
Generally includes surface and minerals for
lands within and contiguous to BHP Navajo Coal
Company Lease Boundary.

SURFACE AND COAL LEASEHOLD INTEREST
BHP Navajo Coal Company, Coal Lease Area

SURFACE USE LEASE
BHP Navajo Coal Company, Surface Lease
Areas, EQ Parcels (Surface Use Only)

SURFACE USE LEASE
Mine Plant Lease
(Contract No. 14-20-0603-6447)

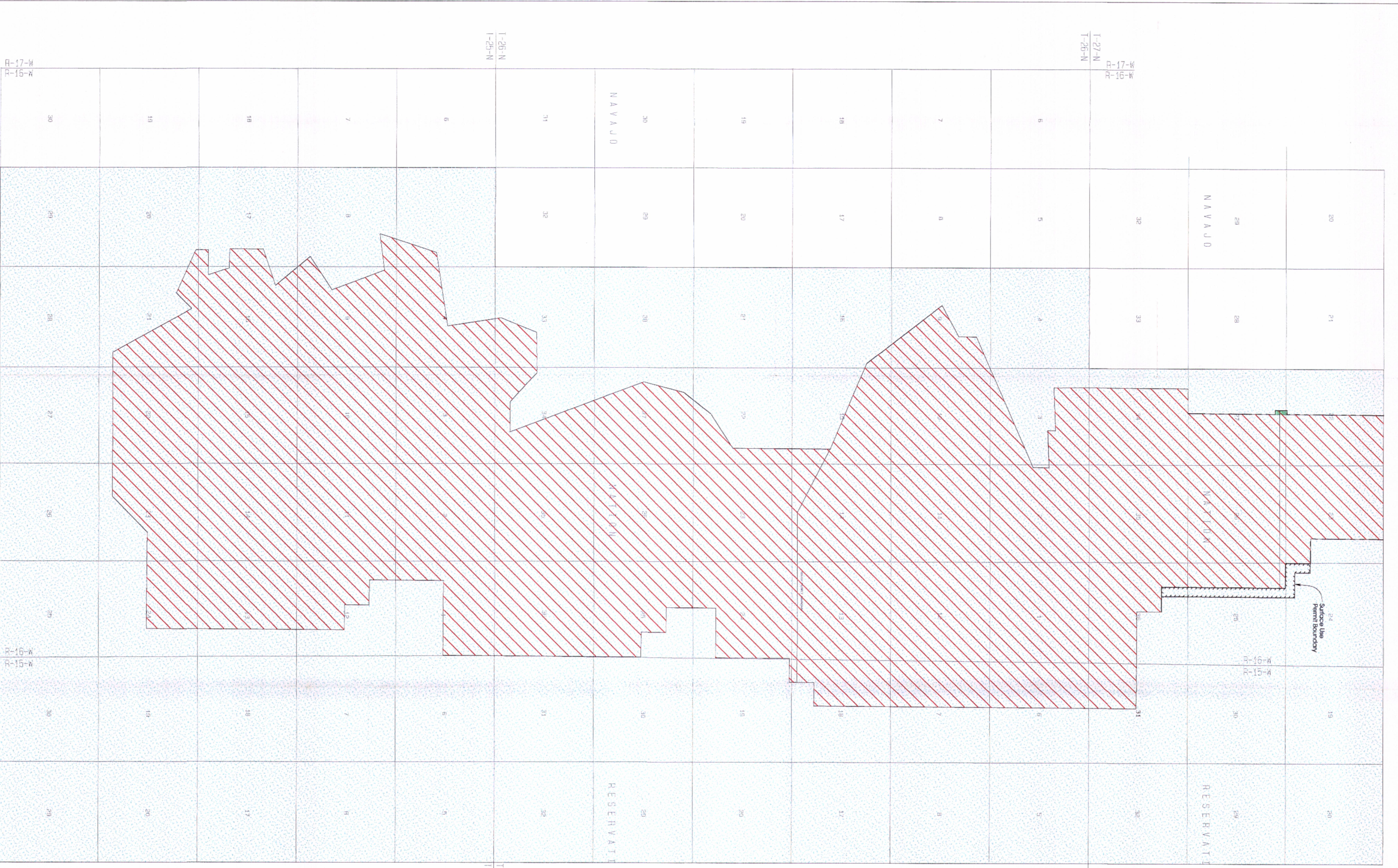
EXHIBIT 1-1

BHP NAVAJO COAL COMPANY
P.O. BOX 150
FROSTLAND, NEW MEXICO 87416

SURFACE AND MINERALS OWNERSHIP
COAL LEASEHOLD INTEREST
(Sheet 1 of 2)

PREPARED BY: RAC/MDC DRAWN BY: PJE SCALE: 1" = 2000'
APPROVED BY: DATE: Jun 07, 1998
PATH: J:\NUSERS\OSM\SUBNP\PER\PROGCH_0\MICROSTA

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NAJ0603



PERMIT COPY
NA-04054

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
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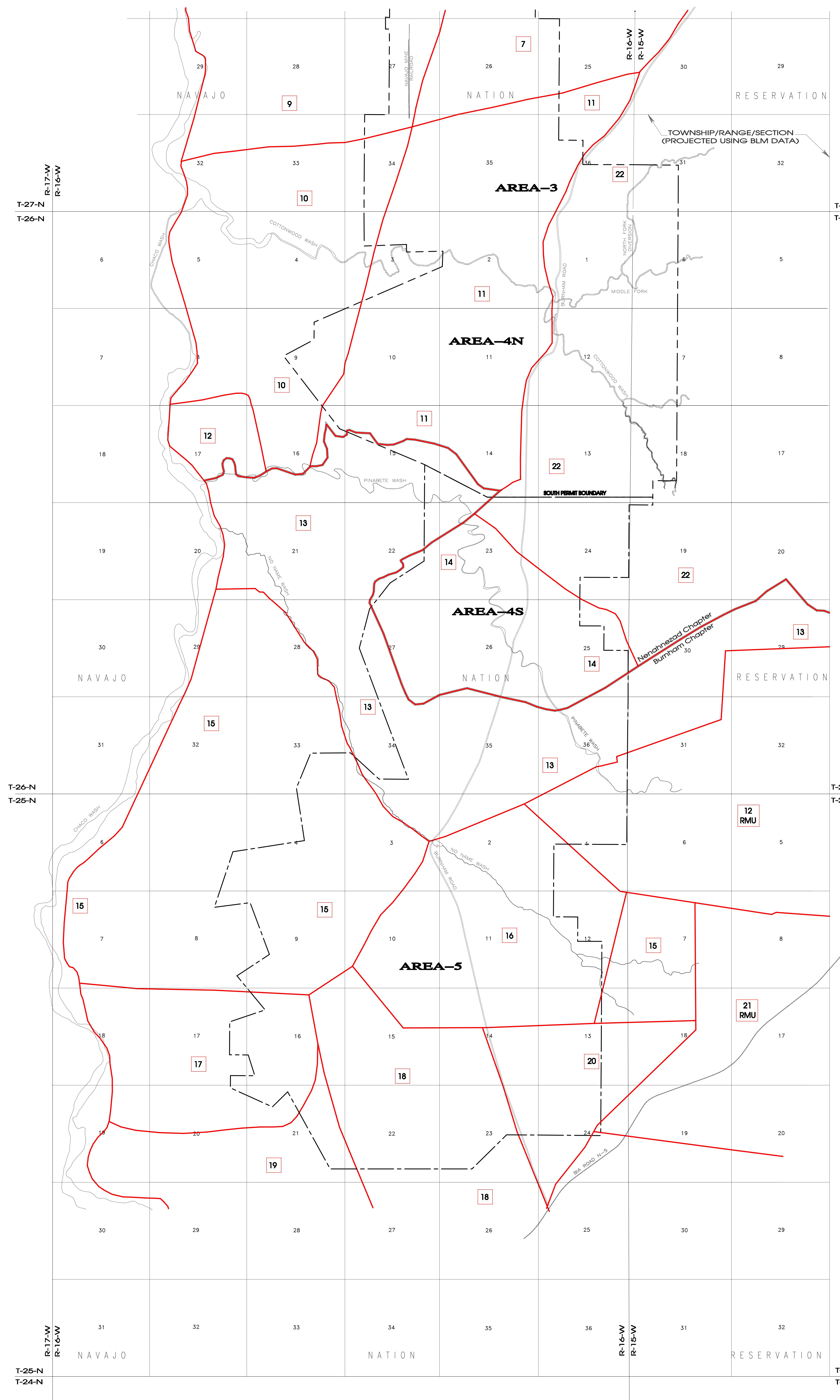
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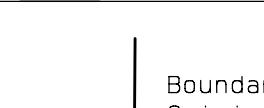
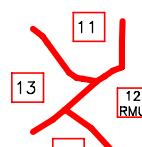
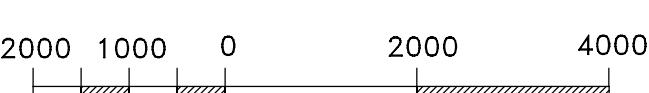


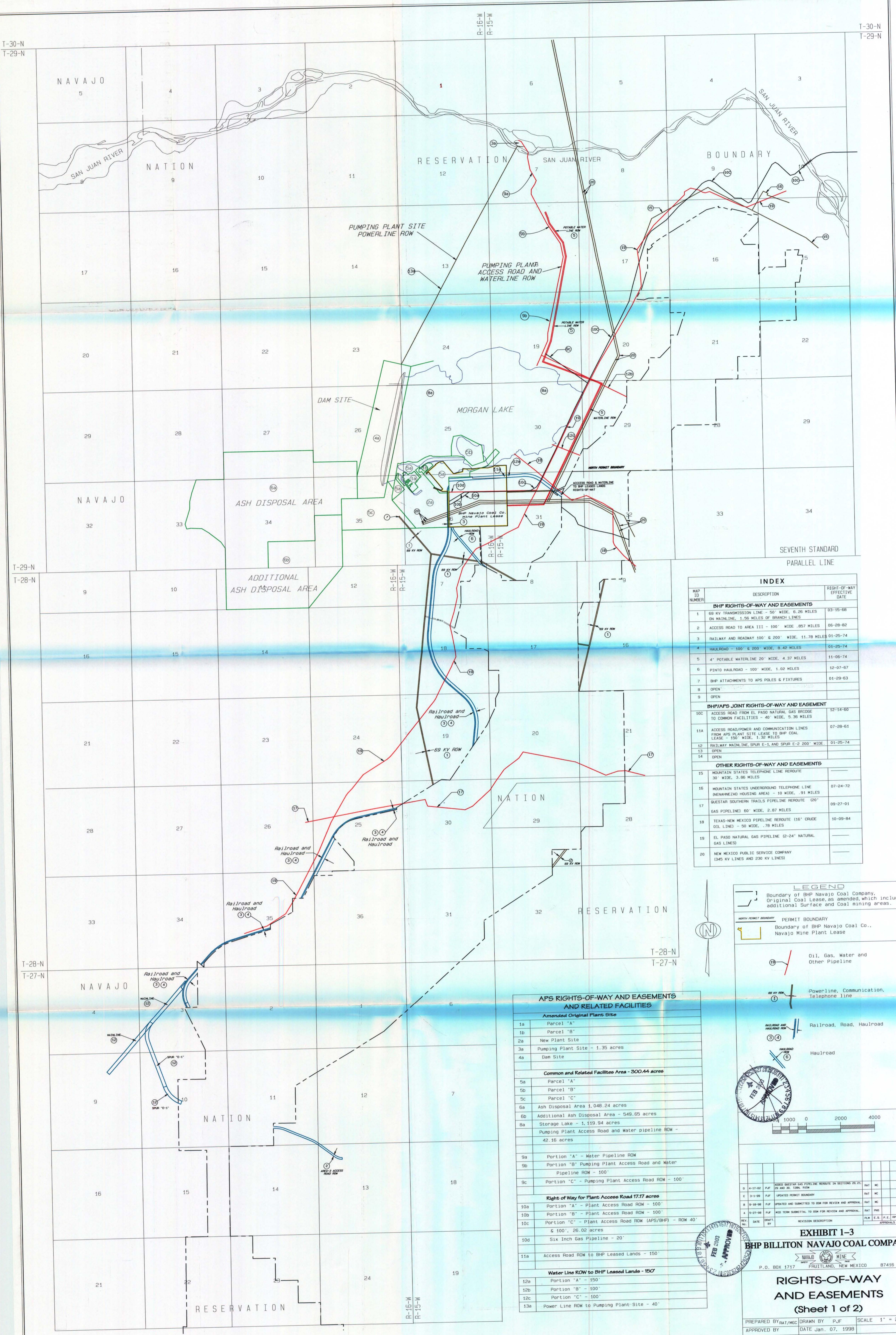


CUA - RMU MAP INDEX

CUA MAP No.	NAME	CUA No.	RMU No.	STATUS STATUS	BIA AREA No.	
1	BLUEEYES, MARY	13-54		I	.0404	
	BENALLY, CLARISSA	13-584		I		
	CHARLEY, BETTY	13-585		I		
	HOGUE, ROBERT &	13-452		I		
	HOGUE, VIRGINIA					
	YELLOWMAN, CHARLEY	13-343		I		
	YELLOWMAN, LOUIS	13-315		I		
	BEGAY, JEROME	13-610		I		
2	BLUEEYES, MARY HARRY	13-631		I	.0407	
	BLUEEYES, ANGELITA ANN	13-631		I		
	BURTON, ANNA	13-194		I		
	YAZZIE, SUZIE ANN					
3	BENALLY, MARY LOUISE &	13-569		I	NONE	
	BENALLY, JENNIE					
	MASON, EVA MAE	13-292		I		
	YAZZIE, EMMA H.	13-311		I		
4	FRANK, IRENE (fka Irene Mike)	13-49		I	.0072	
5	YAZZIE, JAY, SR.	13-536		I	.0074	
6	BARBER, DAISY &	13-546		I	.0073	
	BARBER, LAVONNE					
	HOGUE, LUCY	13-480		I		
7	BARBER, ALICE	13-431		A	.0396	
8	BEGAY, JIM CURLEY'S CHILDREN:	13-506		A	.0690	
	BEGAY, ROBERT C.					
	BRADLEY, IDA C.					
	BEGAY, ANN C. DUNCAN					
	ELTSOSIE, ENA C.					
	JOHNSON, EDITH C. TRUST					
9	BEGAY, BILLY J. (DECS'D)	13-296		A	.0396	
	DOBY, KATIE	13-471		A		
10	SIMS, STANLEY &	13-562		A	.0049	
	SIMS, LEVADA BEGAY					
	YAZZIE, PERTINA	13-629		A		
11	STEELE, ROSE MARIE	13-559		A	.0362	
	GILMORE, ALICE D. & JULIUS R.	13-336		A		
12	PUGGIE, JOHNNY		13-500	I	.0050	
					.0351	
					.0366	
13	STEVENS, DAISY &	13-661		A	.0047	
	JOE, IRENE STEVENS					
14	LOPEZ, IDA MAE	13-565		A	NONE	
15	HOGUE, LUCY (TRUSTEE)	13-480		I	.0357	
					.0649	
	WILLIE, LUCY HOGUE &	13-507		I	.0357	
	WILLIE, AMBROSE				.0649	
16	MASON, LYDIA &	13-502		I	.0353	
	MASON, JIM					
	SMITH, CHARLIE	13-406		I		
	SMITH, DAN	13-408		I		
	SMITH, SARAH	13-405		I		
	SMITH, SHIRLEY	13-407		I		
17	BENALLIE, INEZ	13-620		I	.0101	
					.0103	
					.0648	
	TACHENE, RAYMOND	13-525		I		
	TACHENE, TSOSIE &	13-608		I		
	BENALLIE, RENEE LYNN					
18	HOGUE, MOLLY R.,(CUSTOMARY TRUST)	13-577		I	.0354	
	HOGUE, ROBERT	13-396		I		
	LOWE, ANDREW &	13-652		I		
	HANCOCK, SHERRY ANN					
	HOGUE, MOLLY	13-578		I		
19	RUSSELL, PETER	13-291		I	.0356	
	TAYLOR, GABRIEL	13-646		I		
	YAZZIE, LORRAINE	13-91		I		
20	HOGUE, CARL (DECS'D) &	13-75		I	.0355	
	HOGUE, MILDRED			I		
21	GILMORE, EDDIE		13-554	I	.0352	
	GILMORE, PAULINE		13-377	I		
22	BENALLY, LOUISE BELLE (TRUSTEE)	13-96		A	.0394	
23	SIMS, IDA MAE	13-501		A	.0398	
24	BLUEEYES, FRANK (DECS'D)	13-444		I	.0008	
25	BENNETT, RAYMOND	13-427		I	.0409	
26	DODGE, CAROLINE &	13-605		I	.0403	
	DODGE, JIMMY					
27	IN CONFLICT BETWEEN CUA MAP NO. 26 AND CUA MAP NO. 8					
28	IN CONFLICT BETWEEN CUA MAP NO. 1 AND CUA MAP NO. 8					

Note:
The information contained on this Exhibit is intended for illustrative purposes only.
The accuracy of the specific data including locations of CUA and RMU boundaries
cannot be warranted by the applicant. The CUA and RMU boundaries are managed
and maintained by the United States Department of the Interior, Bureau of Indian Affairs (BIA).
CUA and RMU boundaries were obtained from BIA records and are consistent with the
approved Navajo Mine Permit Application Package (NM-0003F).

LEGEND			
 <p>Boundary of BHP Navajo Coal Company, Original Coal Lease, as amended, which includes additional Surface and Coal mining area</p>	 <p>CUA and RMU Boundaries</p>	 <p>CUA and RMU Identification No. (Correspondes w/CUA-RMU Map Index)</p>	 <p>SOUTH PERMIT BOUNDARY PERMIT BOUNDARY</p>
			
EXHIBIT 1-2			
BHPBILLITON NAVAJO COAL COMPANY			
			
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416			
CUSTOMARY USE AREAS (CUA) AND RANGE MANAGEMENT UNIT (RMU)			
<i>(Sheet 2 of 2)</i>			
PREPARED BY RAT/MGC		DRAWN BY PJF	
SCALE 1" = 2000'		APPROVED BY	
DATE Jan. 07, 1998			



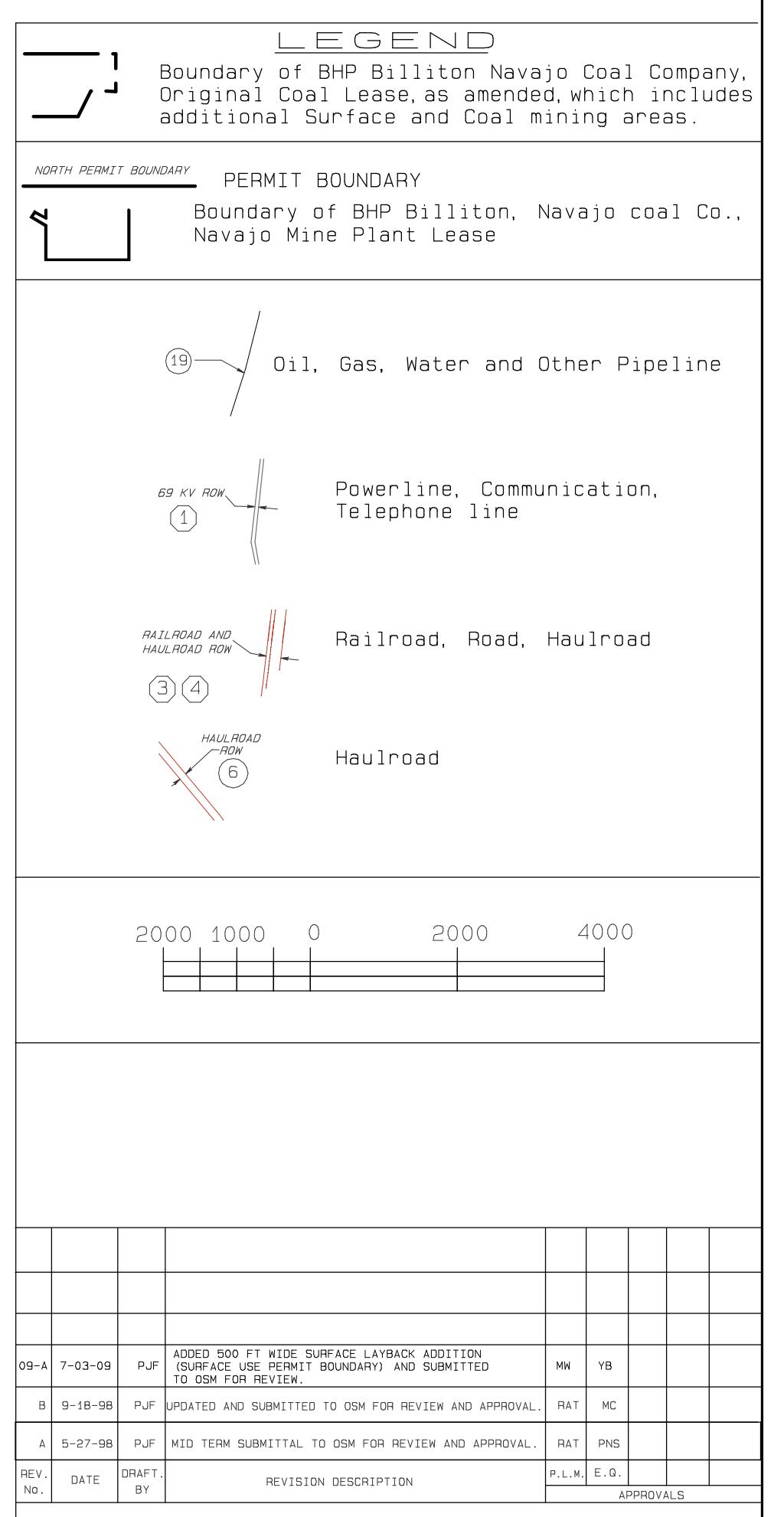
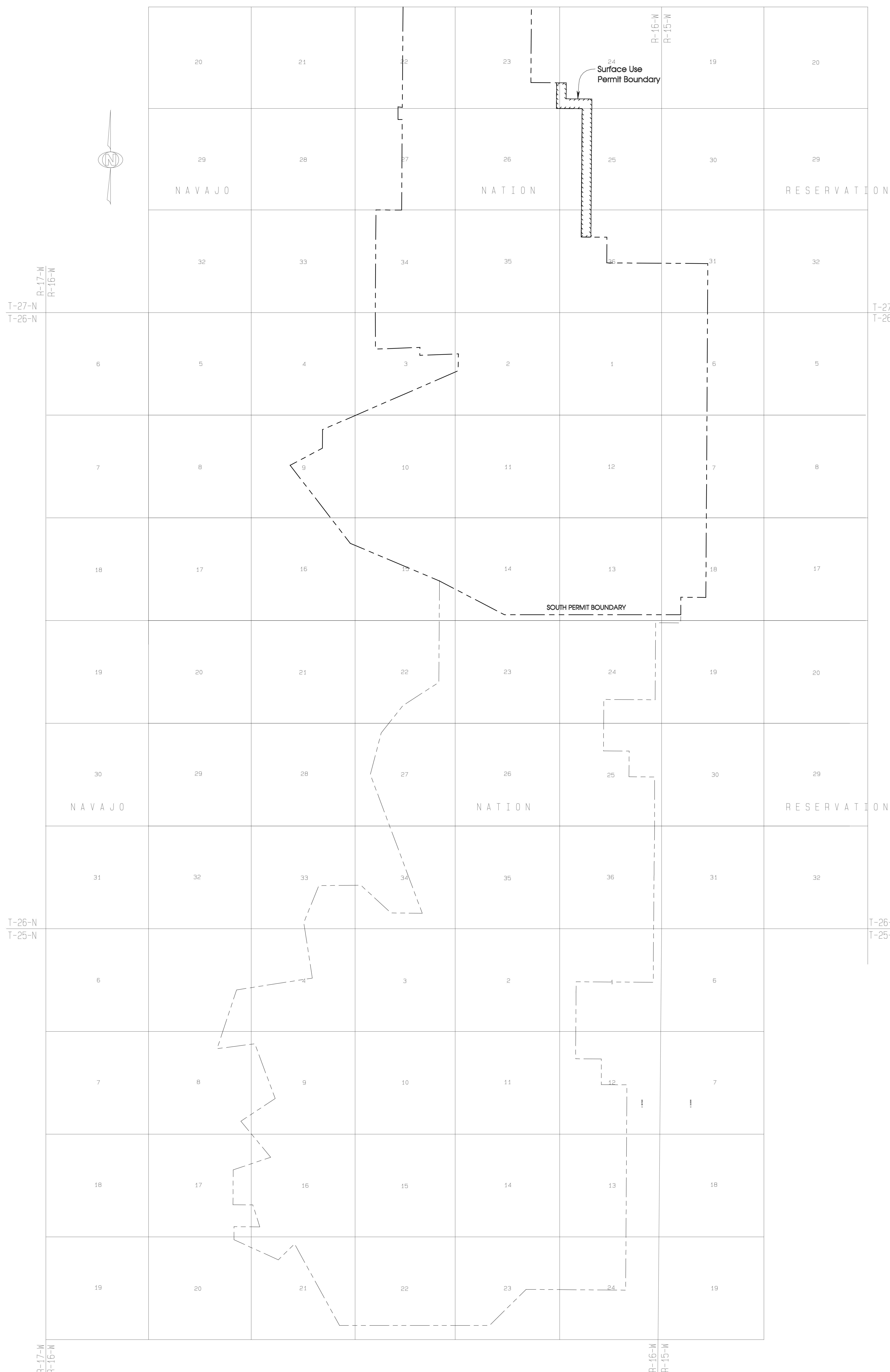


EXHIBIT 1-3


BHP BILLITON NAVAJO COAL COMPANY
NAVAJO MINE
P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

RIGHTS-OF-WAY AND EASEMENTS

(Sheet 2 of 2)

PREPARED BY RAT/MCC DRAWN BY PJF SCALE 1" = 2000'
APPROVED BY DATE Jan. 07, 1999

091009.SUBMVER.PROD.C1.D1-LAND MAPS\LANDSTAT\ROWJ009\Data\EXH-1_J3-20F2.RDW.prt



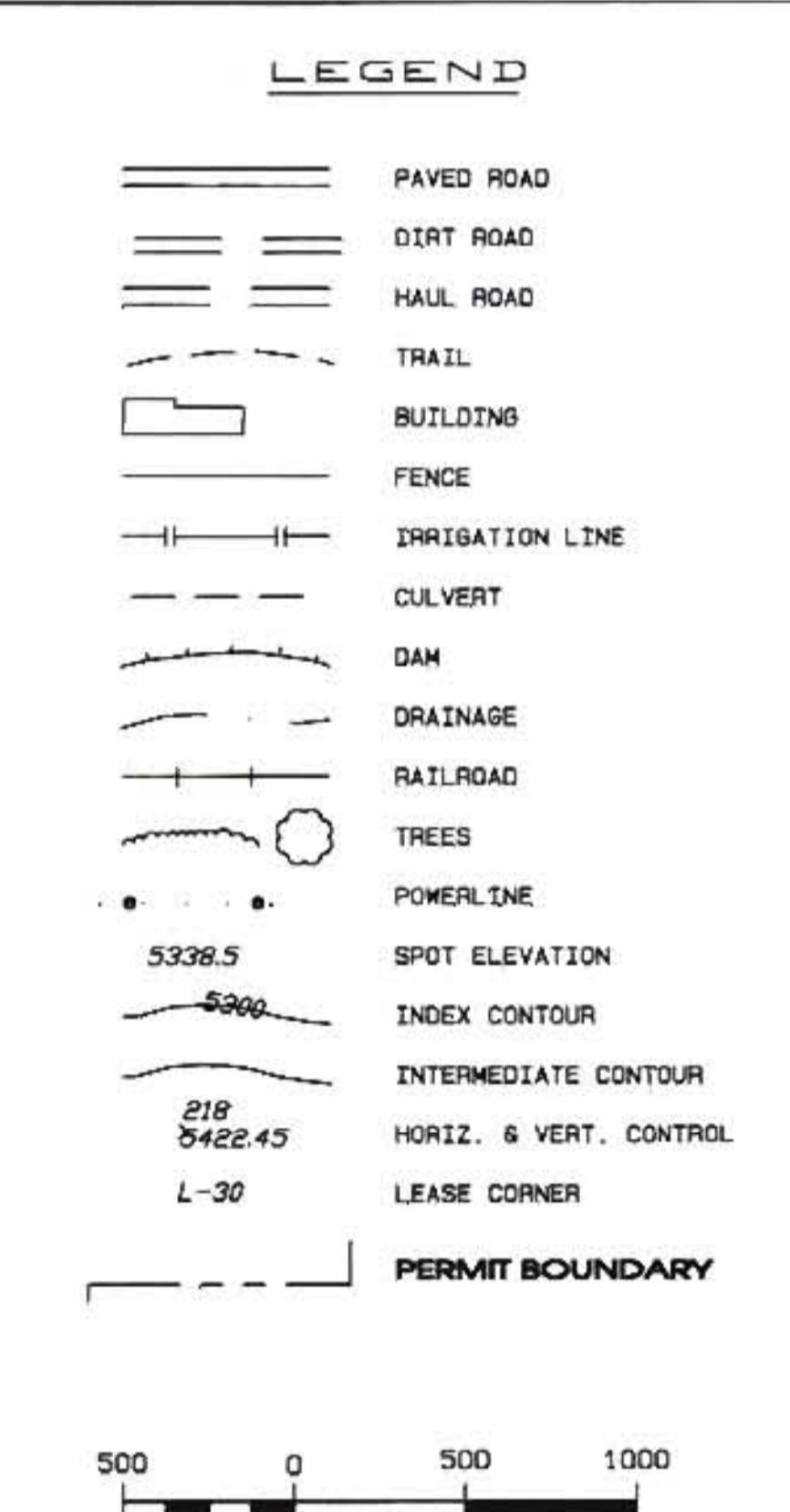
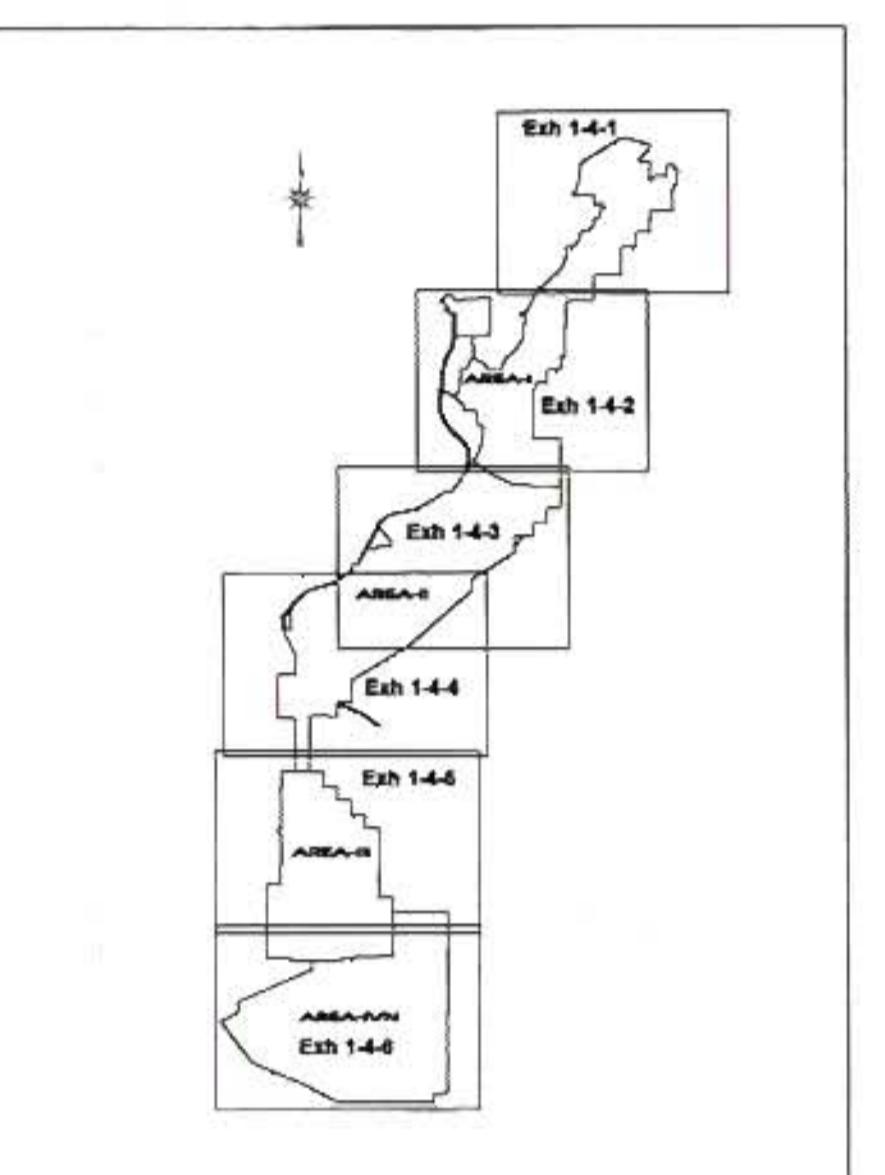
PRE-LAW AREAS: All lands from which coal was mined from start of mining to December 16, 1977

INTERIM AREAS: All lands from which coal was mined between December 16, 1977 to September 24, 1989 or lands which support initial program (interim) mining and reclamation.

PERMANENT PROGRAM AREAS: All lands from which coal was mined after September 24, 1989 and lands that are Approved for Future Permanent Program Mining and Reclamation.

UNDISTURBED AREAS: Lands that will not be disturbed by Surface Coal Mining and Reclamation Operations.

NOTE
1. For mine facilities and structures, including Industrial Complexes, roads and railroad, ponds, impoundment, stockpiles and monitoring facilities etc., see Exhibits II-9, II-10, II-11, II-12, II-13c, and II-13e.



I, M. BENALLY, HEREBY CERTIFY THE AERIAL DATA SUPPLIED BY AERO-GRAFICS, INC., DISPLAYED ON THIS DRAWING, EXH. 1-A-107, IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.
AERO-GRAFICS USED CONTROL DATA GENERATED BY BHP BILLITON NAVAJO COAL COMPANY ENGINEERING DEPARTMENT.




PERMIT COPY
NM-0003-F

R-14-01	PAP	UPDATED SURVEY AND SUBMITTED TO OWNER FOR REVIEW	LM	PC	RS
R-14-02	PAP	UPDATED SURVEY TO SUPPORT OPERATION & MAINTENANCE TO OWNERSHIP AND RECLAMATION	LM	PC	RS
R-14-03	PAP	UPDATED SURVEY TO OWNERSHIP AND APPROVAL	PC	PC	RS
R-14-04	PAP	UPDATED SURVEY AND SUBMITTED TO OWNER FOR APPROVAL	PC	PC	RS
R-14-05	PAP	SUBMITTED TO OWNER FOR APPROVAL	PC	PC	RS
R-14-06	PAP	DRAFT SUBMITTED TO OWNER	PC	PC	RS
R-14-07	PAP	DRAFT SUBMITTED TO OWNER	PC	PC	RS

EXHIBIT 1-4
BHP BILLITON NAVAJO COAL COMPANY
P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

AREA-I PERMIT AREAS
PRE-LAW, INTERIM,
PERMANENT PROGRAM

PREPARED BY: HCP/JF DRAWN BY: P/JF SCALE: 1" = 500'
APPROVED BY: DATE: MAY 12, 1996 EXHIBIT 1 OF 6



PRE-LAW AREAS: All lands from which coal was mined from start of mining to December 15, 1977

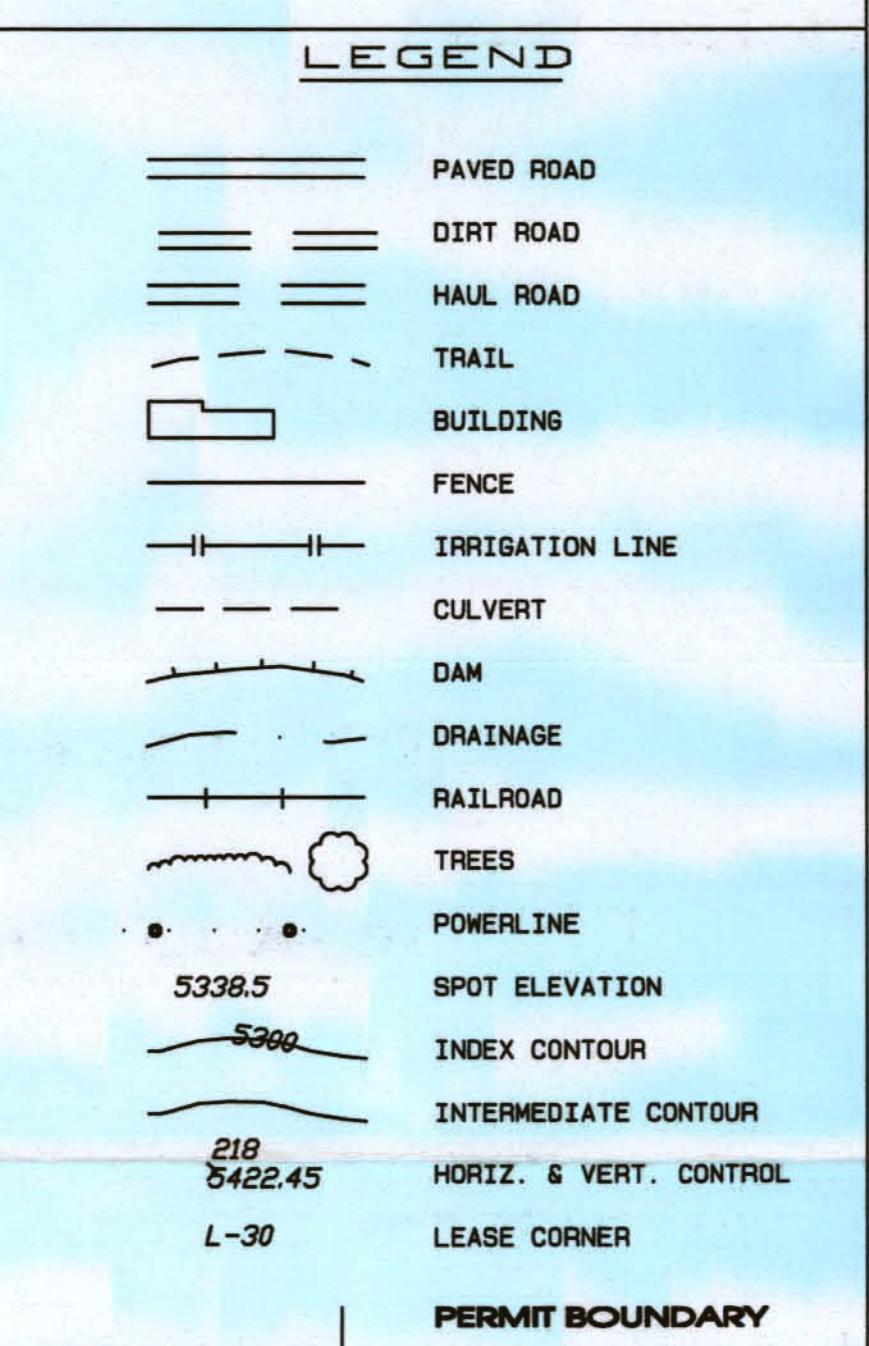

INTERIM AREAS: All lands from which coal was mined between December 16, 1977 to September 24, 1989 lands which support initial program (Interim) mining and reclamation.

PERMANENT PROGRAM AREAS: All lands from which coal was mined after September 24, 1989 and lands that are Approved for Future Permanent Program Mining and Reclamation.

UNDISTURBED AREAS: Lands that will not be disturbed by Surface Coal Mining and Reclamation Operations.

NOTE: I. For mine facilities and structures, including Industrial Complexes, Roads and railroads, ponds, impoundments, stockpiles and monitoring facilities etc., see Exhibit 11-8, 11-10, 11-11, 11-13b, 11-13c, 11-13d, and 11-13e.

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CONTOUR INTERVAL: 10'



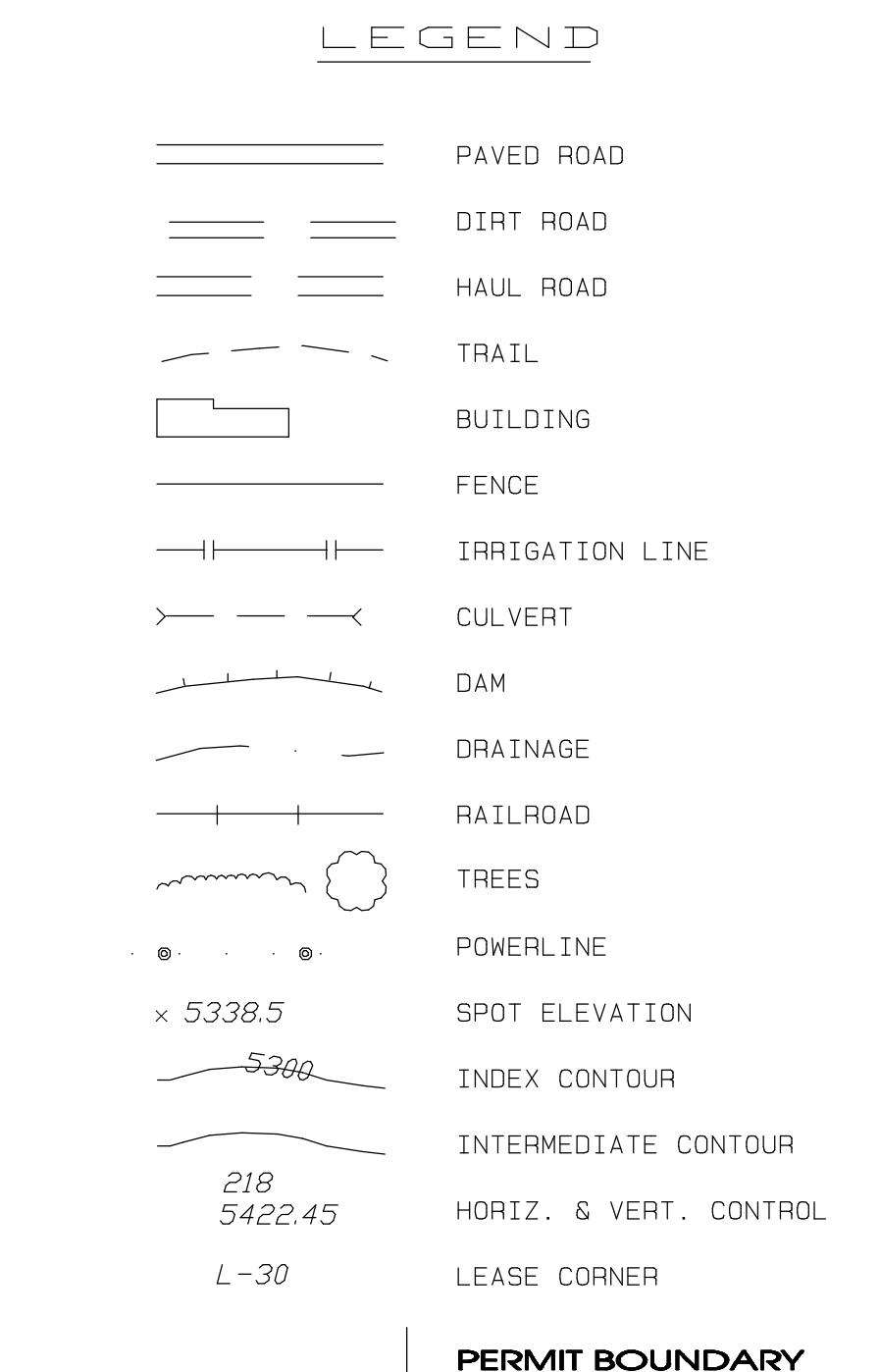

I, M. BENALLY, HEREBY CERTIFY THE AERIAL DATA SUPPLIED BY AERO-GRAPHICS, INC., DISPLAYED ON THIS DRAWING, EXH-1-4-40F6, IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.
AERO-GRAPHICS USED CONTROL DATA GENERATED BY BHP NAVAJO COAL COMPANY ENGINEERING DEPARTMENT.



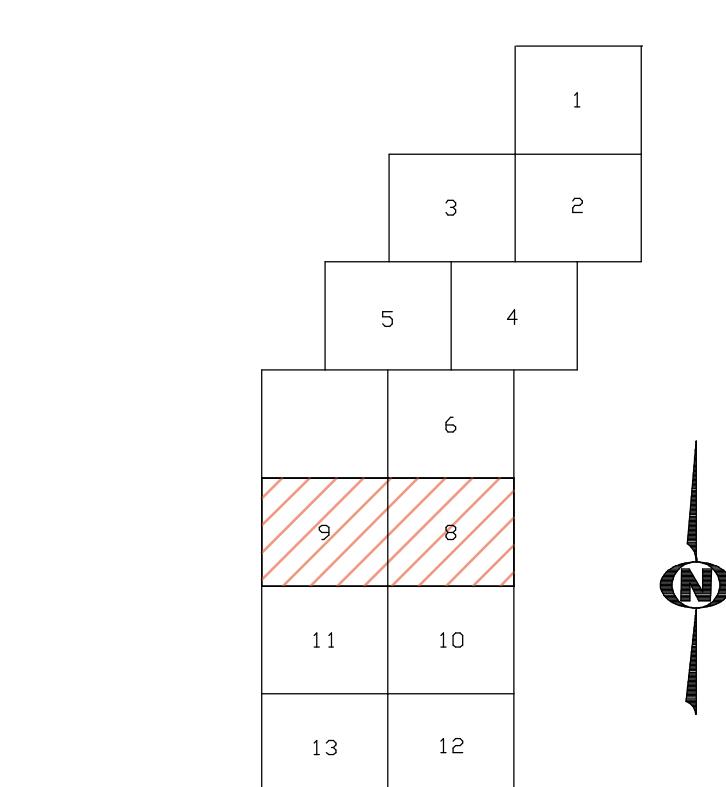
EXHIBIT 1-4
BHP BILLITON NAVAJO COAL COMPANY
P.O. BOX 1717 FORTINADA, NEW MEXICO 87416

AREA-II PERMIT AREAS
PRE-LAW, INTERIM,
PERMANENT PROGRAM

PREPARED BY MC/PJF DRAWN BY PJF SCALE 1" = 500'
APPROVED BY DATE MAY 12, 1996 EXHIBIT 4 OF 6



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CONTOUR INTERVAL: 10'




REV. NO.	DATE	DRAFT BY	REVISION DESCRIPTION	ENG. E.O. P.A. P.S. CHE.	APPROVALS
DR-1	7-12-09	PJF	ADDED TIN EASTSIDE OF LOWE PIT AND SUBMITTED TO DMR FOR REVIEW	SP-101	YB
A-1	9-27-07	PJF	ADDED LOWE EASTSIDE JURISDICTIONAL LAND STATUS AND SUBMITTED TO DMR FOR REVIEW	SP-101	NO VM DMR
J-6	9-2-06	PJF	UPGRADED PREVIOUS STATEMENT IN THE NECK AREA AND SUBMITTED TO DMR FOR REVIEW	SP-101	KJ MB
F	9-24-04	PJF	UPGRADED PREVIOUS STATEMENT IN THE NECK AREA AND SUBMITTED TO DMR FOR REVIEW	SP-101	NC MB
G	10-29-03	PJF	UPGRADED PREVIOUS STATEMENT IN THE NECK AREA AND SUBMITTED TO DMR FOR REVIEW AND APPROVAL	SP-101	NC MB
C	10-30-97	PJF	WIDENED SUBMITTAL TO DMR FOR REVIEW AND APPROVAL	SP-101	NC MB
B	9-24-97	PJF	UPGRADED EXHIBIT AND RESUBMITTED TO DMR FOR APPROVAL	SP-101	NC MB
J-1	10-15-96	PJF	DRAFT SUBMITTED TO DMR	SP-101	NC MB

EXHIBIT 1-4
BHP BILLITON NAVAJO COAL COMPANY
NAVAJO MINE
P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

AREA-III PERMIT AREAS
PRE-LAW, INTERIM,
PERMANENT PROGRAM

PREPARED BY MC/PJF DRAWN BY PJF SCALE 1" = 500'
APPROVED BY DATE MAY 12, 1996 EXHIBIT 5 OF 6
G:\\0\\Permit FDR\\1\\Exhibit 1-004_JURISLAND\\PAP_Exh-99\\JURISLAND\\PRO\\Exh_1-4_5e17.pro



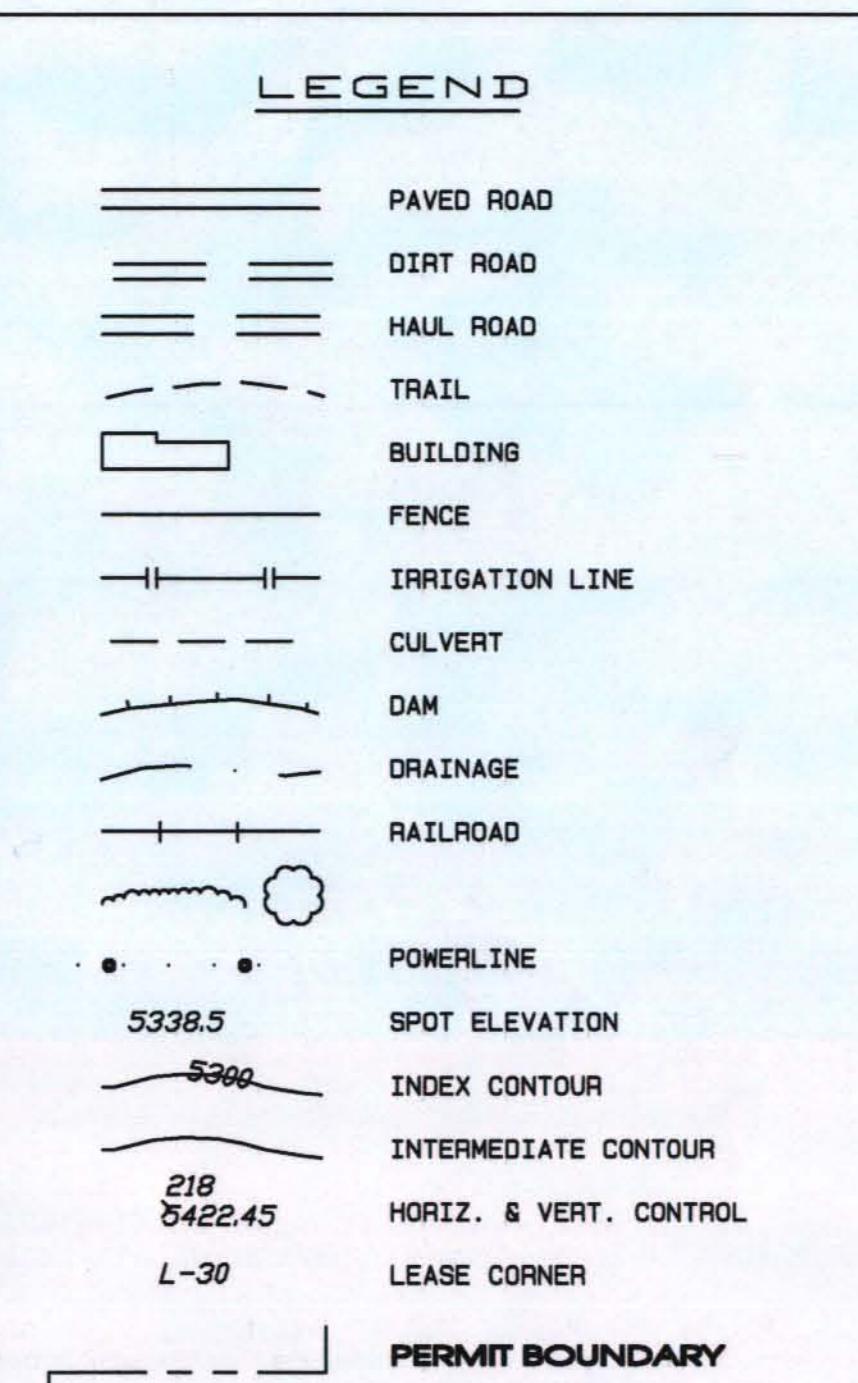
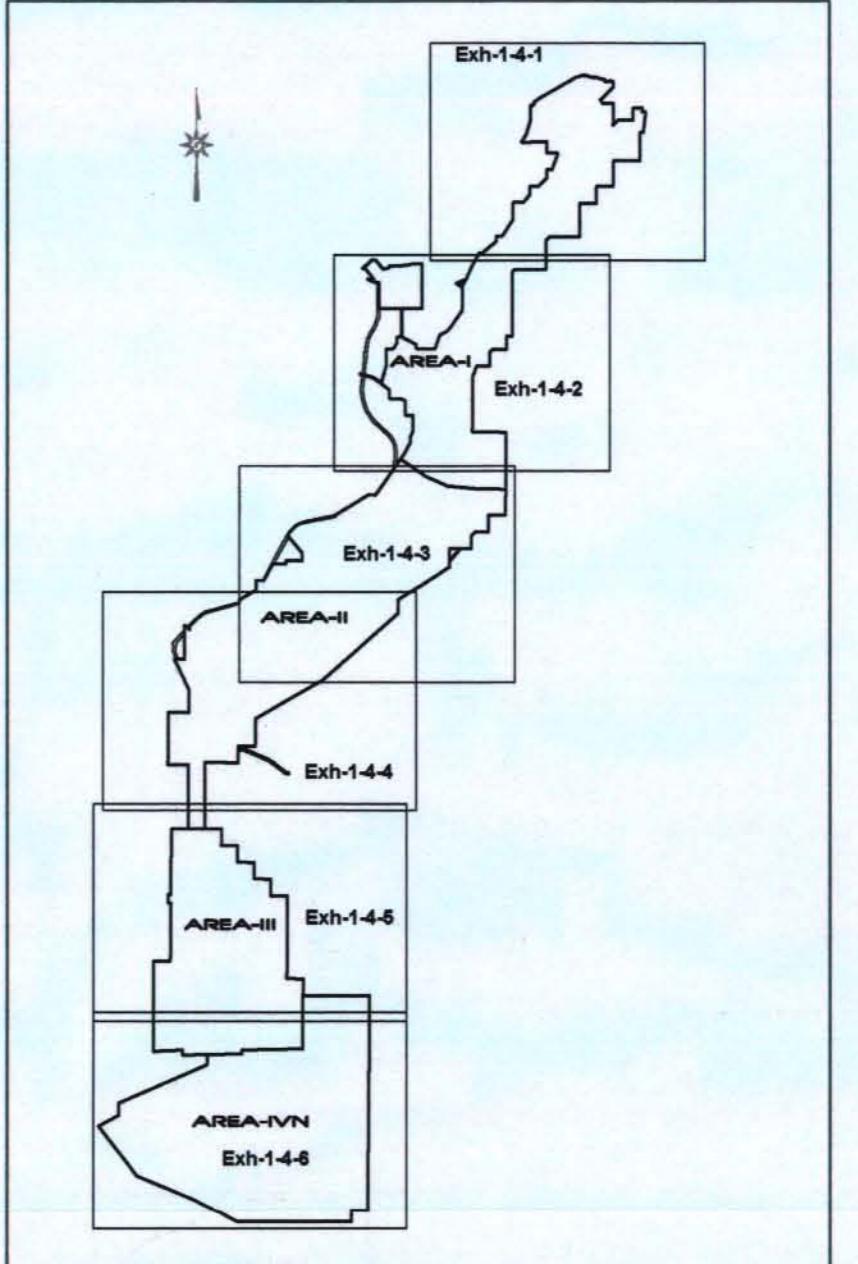
PRE-LAW AREAS : All lands from which coal was mined from start of mining to December 16, 1977

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UNDISTURBED AREAS : Lands that will not be disturbed by Surface Coal Mining and Reclamation Operations.

1. For mine facilities and structures, including Industrial Complexes, roads and railroad, ponds, impoundment, stockpiles and monitoring facilities etc., see Exhibits II-9, II-10, II-11, II-13b, II-13c, II-13d, and II-13e.



500 500 0 0 500 500 1000 1000
CONTOUR/CONTINENTAL/ANTICONTINENTAL: 10'

I, H. BENALLY, HEREBY CERTIFY THE AERIAL DATA SUPPLIED BY AERO-Graphics, INC., DISPLAYED ON THIS DRAWING, EXH. 1-A-807, IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE. AERO-Graphics USED CONTROL DATA GENERATED BY BHP BILLITON NAVAJO COAL COMPANY ENGINEERING DEPARTMENT.



DATE	NAME	POSITION	SIGNATURE
APR 15 1996	P.J.F.	MAP DRAFTSMAN	
APR 15 1996	J.P.F.	MAP DRAFTSMAN	
APR 15 1996	M.C.	MAP DRAFTSMAN	
APR 15 1996	R.D.	MAP DRAFTSMAN	

EXHIBIT 1-4
BHP BILLITON NAVAJO COAL COMPANY

P.O. BOX 1717
FRUITLAND, NEW MEXICO 87416

AREA-III_IVN PERMIT AREAS
PRE-LAW, INTERIM,
PERMANENT PROGRAM

PREPARED BY NC/PJF DRAWN BY P.J.F. SCALE 1" = 500'
APPROVED BY DATE MAY 12, 1996 EXHIBIT 6 OF 6

LEGEND

- BRASS CAPS (BLM)
- STEEL POST "X" ORANGE
- △ NAVAJO MINE MONUMENTS
- PERMIT/LEASE CORNERS
- PERMIT/LEASE BOUNDARY

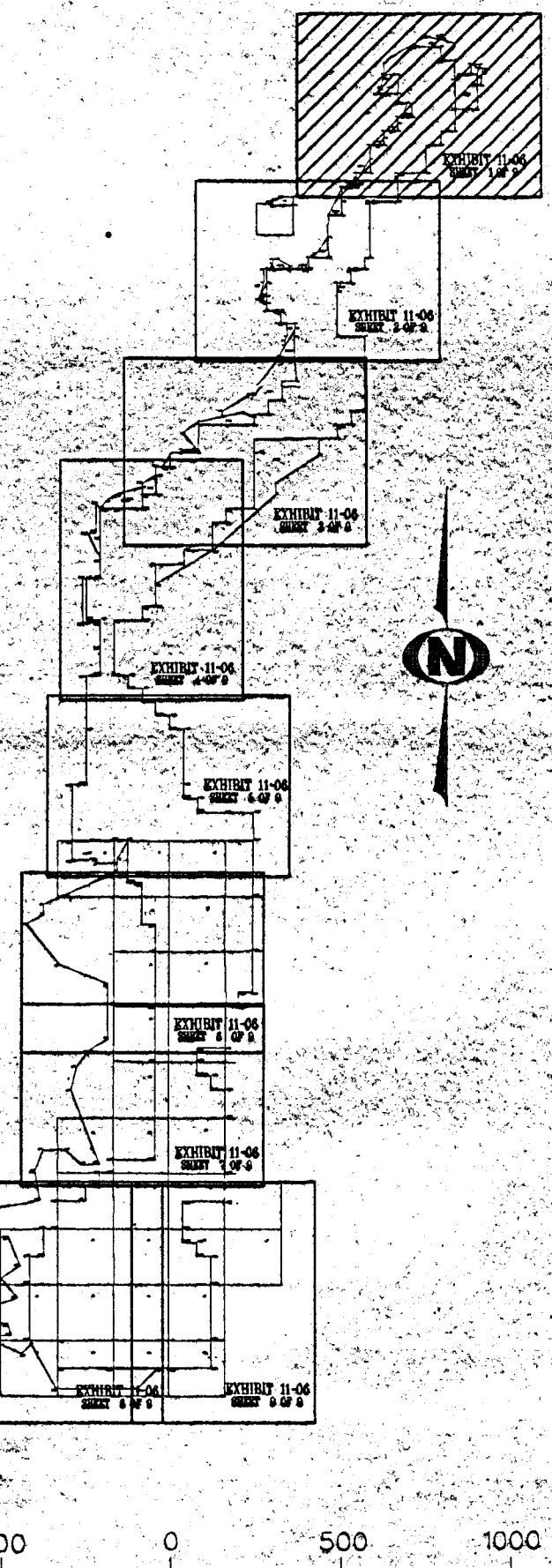
MINERALS LEASE AREAS :

ORIGINAL LEASE	24,210.96
AMENDMENT 2	512.20
AMENDMENT 3	6,554.05
AMENDMENT 4A	1,340.07
	32,617.28

SURFACE LEASE AREAS :

AMENDMENT 4-EQ	545.33
AREA-B ADDITION	3.11
MINE PLANT LEASE (NOT SURVEYED)	223.21
TOTAL LEASE ACREAGE	33,388.92

INDEX



BASIS OF BEARINGS, SOLAR OBSERVATION AND NOT NAVAJO MINE COORDINATE SYSTEM.

THIS IS TO CERTIFY THAT THIS MAP REPRESENTS WORK PERFORMED BY ME OR UNDER MY SUPERVISION IN AUGUST, 1990, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SCOTT ANDREW
NEW MEXICO
SURVEYOR
REGISTRATION NO. 1000

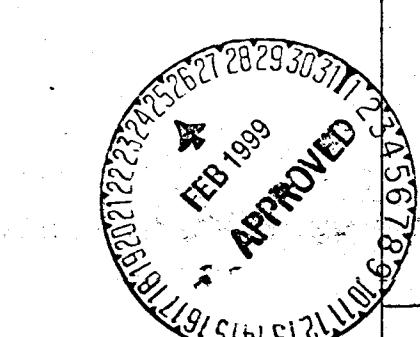
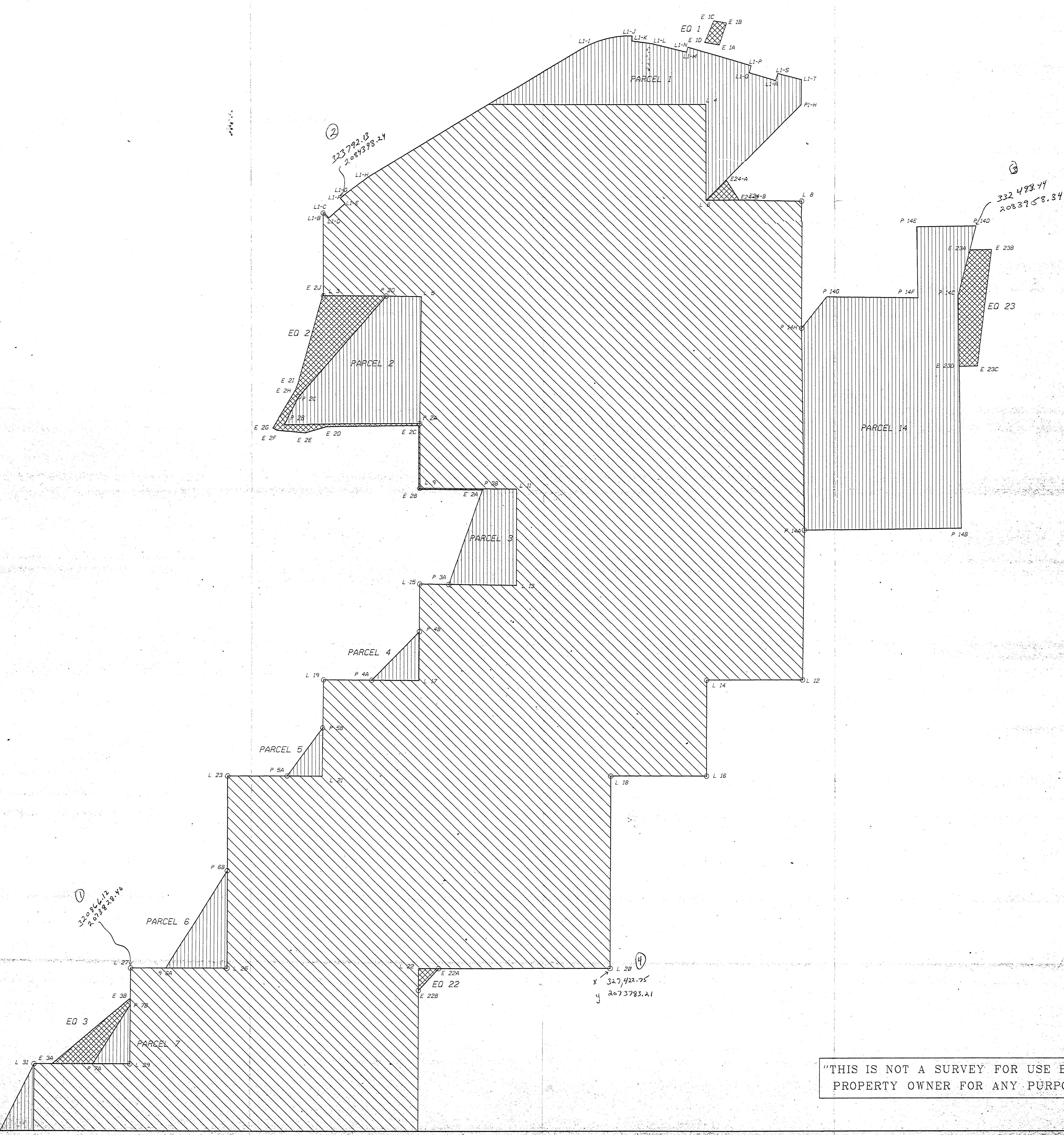


EXHIBIT 1-06
BHP NAVAJO COAL COMPANY
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416


NAVAJO MINE LEASE
BASE MAP
Sheet 1 of 9


PREPARED BY P.M. DRAWN BY P.M. SCALE: 1" = 500'
APPROVED BY DATE JULY 12, 1997 NALAR LOC. A14-4
PATH J:\\USER\\MICROS\\PERM\\EXH\\CHART\\NARL

"THIS IS NOT A SURVEY FOR USE BY A
PROPERTY OWNER FOR ANY PURPOSE."

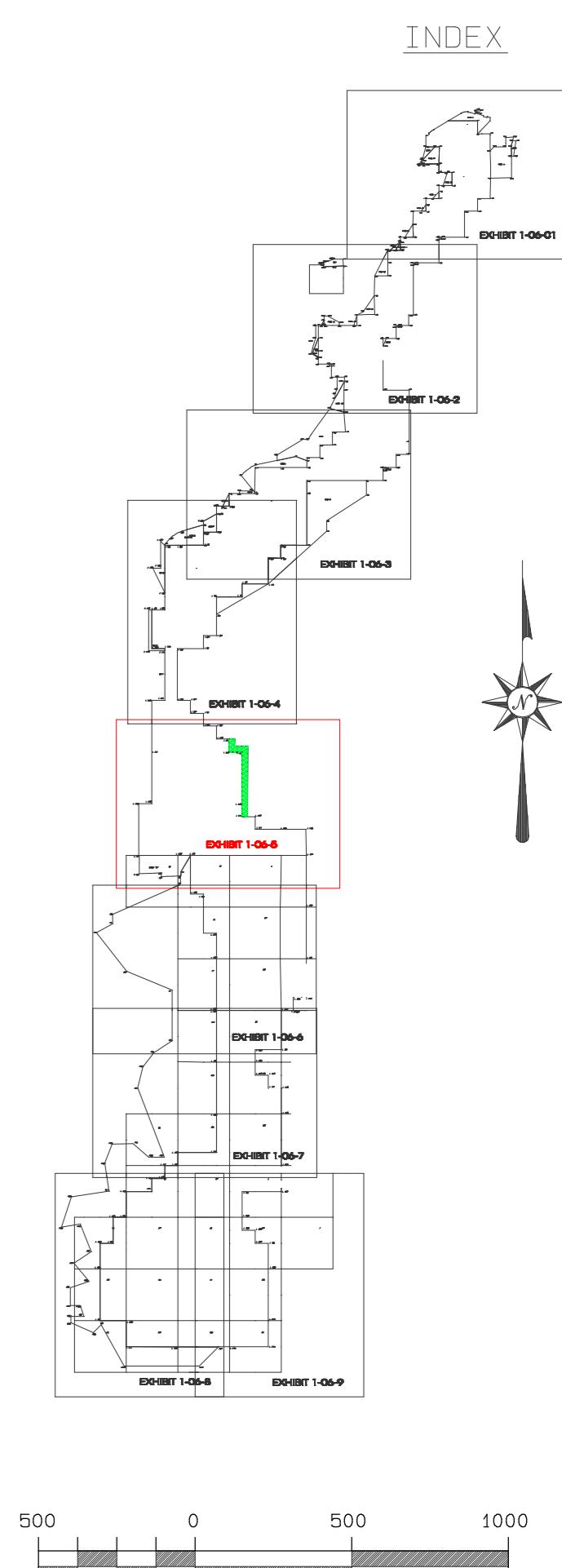








LEGEND	
◎	BRASS CAPS (BLK)
◎	STEEL POST 4'X4' (ORANGE)
△	NAVAJO MINE MONUMENTS
□	#4 REBAR
L 34 E 242 E 242 N 242	PERMIT/LEASE CORNERS
—	PERMIT/LEASE BOUNDARY
MINERALS LEASE AREAS :	
■	ORIGINAL LEASE 24,219.96
■	AMENDMENT 2 512.29
■	AMENDMENT 3 6,554.85
■	AMENDMENT 4A 1,348.87 32,617.28
SURFACE LEASE AREAS :	
■	AMENDMENT 4-EQ 545.32
■	AREA-III ADDITION 3.11
■	MINE PLANT LEASE (NOT SURVEYED) 223.21 771.64
	TOTAL LEASE ACREAGE 33,388.92
■	500 ft Wide Surface Layback Addition (Surface Use Permit) 106.10
	TOTAL LEASE ACREAGE 33,495.02



500 0 500 1000

I, Wilson Begay, New Mexico Professional Surveyor, hereby certify that this Boundary Retracement Survey Plat was prepared from an actual ground survey performed by me or under my supervision, that I am responsible for this survey, that this survey is true and correct to the best of my knowledge and belief, that this Boundary Retracement Survey Plat and the field survey upon which it is based meet the Minimum Standards for Surveying in New Mexico, and that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act. This is a Boundary Retracement Survey Plat of an existing tract or tracts.

Wilson Begay P.S. # 18628, Date

09-A	7-07-09	R.J.F.	ADDED THE 500 FT WIDE SURFACE LAYBACK ADDITION, SUBMITTED TO OSM FOR REVIEW.	R.	Y.	M.
A	7-14-97	P.J.F.	SUBMITTED TO OSM FOR APPROVAL	SONMAN	BENALLY	BEGAY

REV. NO.	DATE	DRAFT BY	REVISION DESCRIPTION	ENG. E.G.	PLS APPROVALS

EXHIBIT 1-06-5


BHP NAVAJO COAL COMPANY

 P.O. BOX 1717 FRUITLAND, NEW MEXICO 87416

NAVAJO MINE LEASE SURVEY BASE MAP

PREPARED BY	P.J.F.	DRAWN BY	P.J.F.	SCALE	1" = 500'
APPROVED BY		DATE	JULY 13, 1997	SHEET	5 of 9

P:\100105M\SUBPER_P0001CH-1\LAND MAPS\Base SurvData\PAP\EXHIBITS\1-06-5.pra
PJF\POSTER Sun Jul 13 13:01:01 2009




LEGEND		INDEX	
●	BRASS CAPS (BLK)		
○	STEEL POST 4"x4" (ORANGE)		
△	NAVAJO MINE MONUMENTS		
—	PERMIT/LEASE CORNERS		
—	PERMIT/LEASE BOUNDARY		
		MINERALS LEASE AREAS :	
[Hatched]	ORIGINAL LEASE	24,210.96	
[Hatched]	AMENDMENT 2	512.20	
[Hatched]	AMENDMENT 3	6,554.05	
[Hatched]	AMENDMENT 4A	1,340.07 32,617.28	
		SURFACE LEASE AREAS :	
[Hatched]	AMENDMENT 4-EQ	545.32	
[Hatched]	AREA-III ADDITION	3.11	
		MINE PLANT LEASE (NOT SURVEYED)	
[Hatched]		223.21 771.64	
		TOTAL LEASE ACRES	
		33,388.92	


BHP NAVajo COAL COMPANY
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416

NAVAJO MINE LEASE BASE MAP
Sheet 6 of 9


PREPARED BY: PUF DRAWN BY: PUF SCALE: 1" = 500'
APPROVED BY: DATE JULY 14, 1996 NYLAR LOC. AM-4
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"THIS IS NOT A SURVEY FOR USE BY A PROPERTY OWNER FOR ANY PURPOSE."

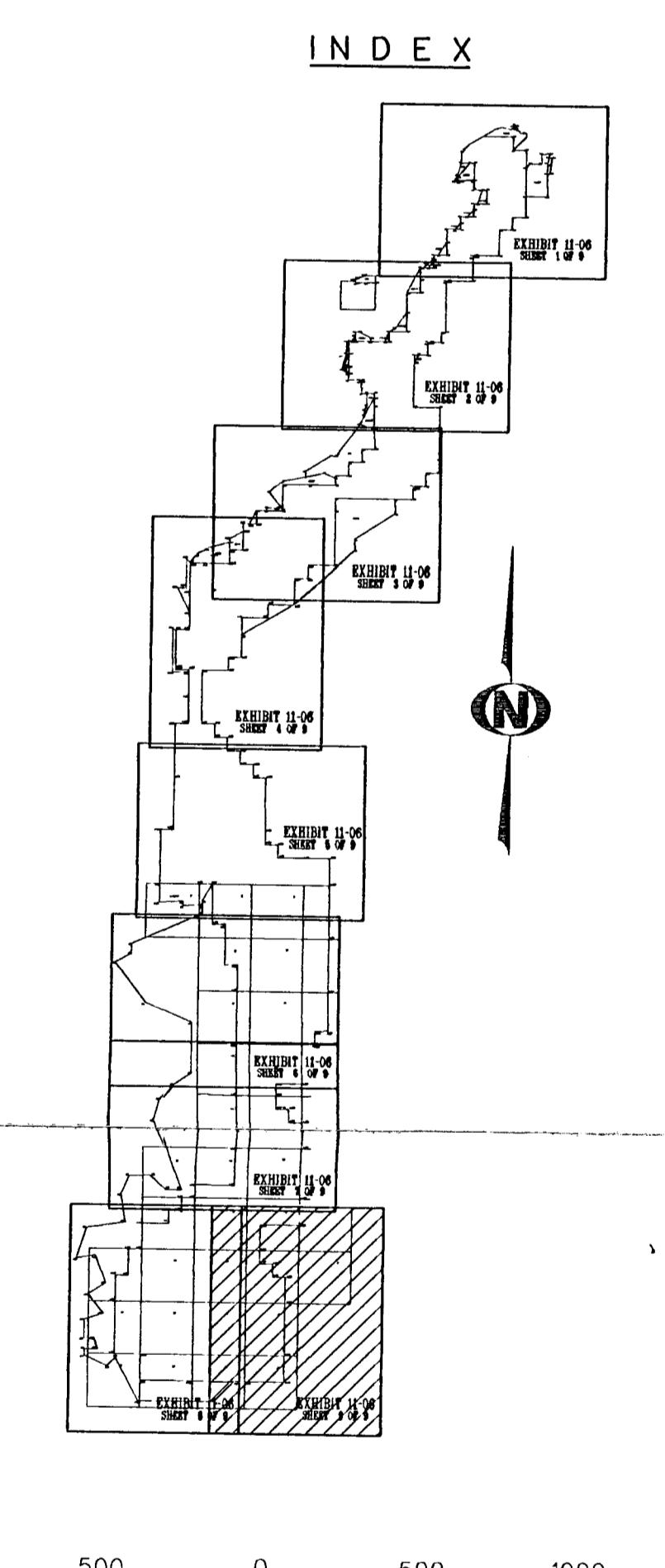




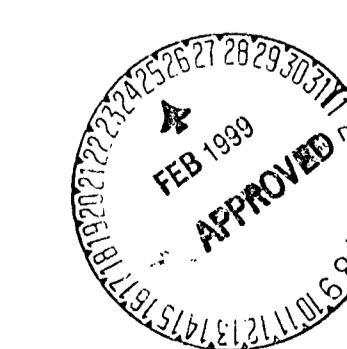
"THIS IS NOT A SURVEY FOR USE BY A
PROPERTY OWNER FOR ANY PURPOSE."



LEGEND	
○	BRASS CAPS (BLM)
○	STEEL POST 4"x4" (ORANGE)
△	NAVAJO MINE MONUMENTS
L 15-W	PERMIT/LEASE CORNERS
L 16-N	PERMIT/LEASE BOUNDARY
MINERALS LEASE AREAS :	
■	ORIGINAL LEASE 24,210.96
■■■	AMENDMENT 2 512.20
■■■■	AMENDMENT 3 6,554.05
■■■■■	AMENDMENT 4A 1,340.07 32,617.28
SURFACE LEASE AREAS :	
■■■■■■	AMENDMENT 4-EQ 545.32
■■■■■■■	AREA-III ADDITION 3.11
■■■■■■■■	MINE PLANT LEASE 223.21 (NOT SURVEYED) 771.64
	TOTAL LEASE ACREAGE 33,388.92



BASIS OF BEARINGS, SOLAR OBSERVATION AND NOT NAVAJO MINE COORDINATE SYSTEM.



"THIS IS NOT A SURVEY FOR USE BY A
PROPERTY OWNER FOR ANY PURPOSE."

A 7-29-97	PJF	SUBMITTED TO USA FOR APPROVAL	REVISION DESCRIPTION	PL	SA
DATE	BY	FOR	REV. #	FILED	INDEX
EXHIBIT 1-06					
BHP NAVAJO COAL COMPANY					
NAVAJO MINE					
P.O. BOX 155 FRUITLAND, NEW MEXICO 87416					
NAVAJO MINE LEASE					
BASE MAP					
Sheet 9 of 9					
PREPARED BY PJF DRAWN BY PJF SCALE 1" - 500'					
APPROVED BY DATE JULY 15, 1997 MYLAR LOC. AM-4					
PATH: J:\USER\MICROS\HPERM\EXH-1\CHAPT-1\AREA-4/5					