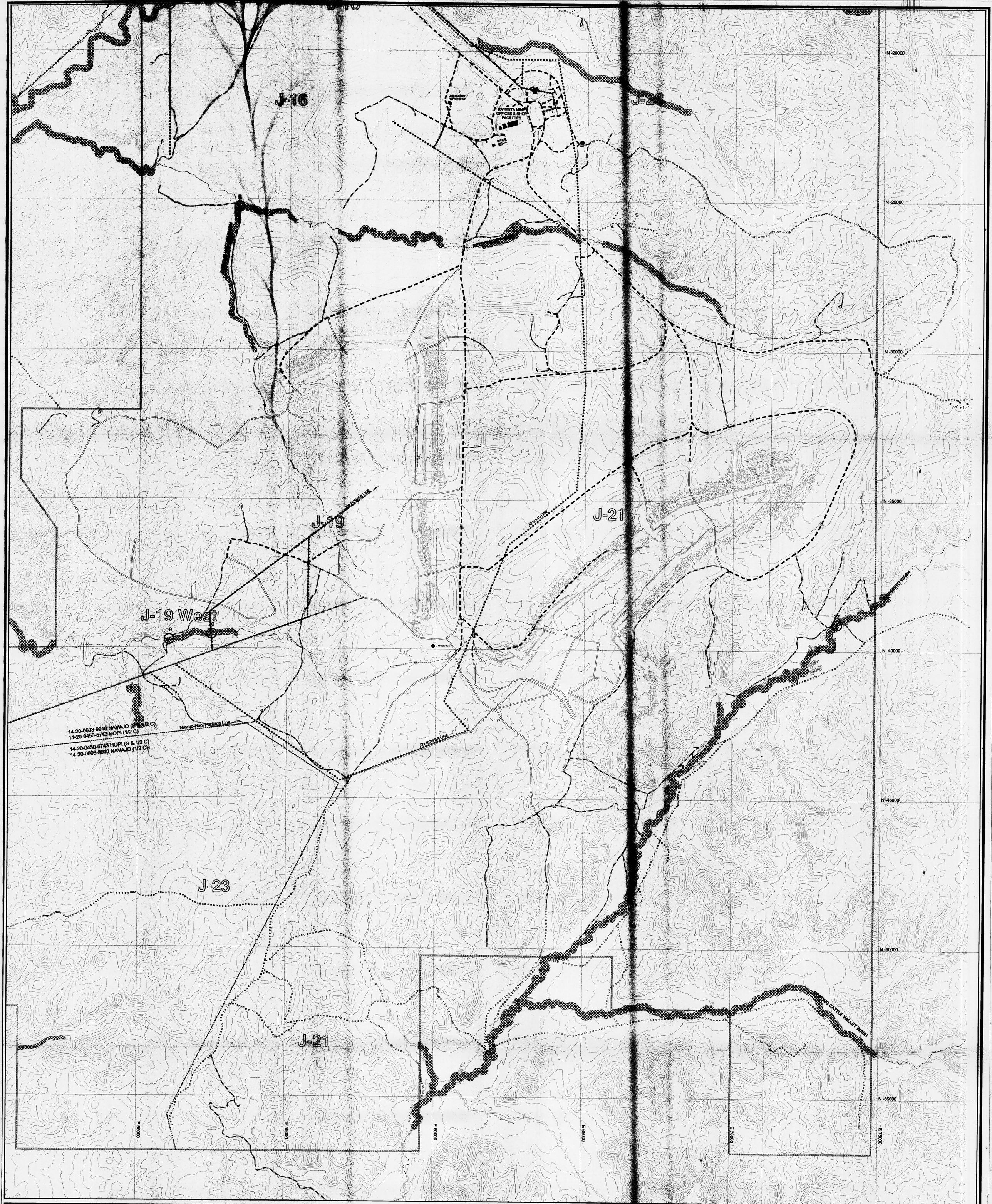


ENGINEER'S CERTIFICATION

Registered Professional Engineer (Civil) CERTIFICATE NO. 18782 JAMES GARY SCHLENVOGT ARIZONA, U.S.A.

DEC 15 2003

JAMES G. SCHLENVOGT DATE

Engineering & Reclamation Manager
Peabody Western Coal Company

PEABODY WESTERN

0 1000 2000
Feet

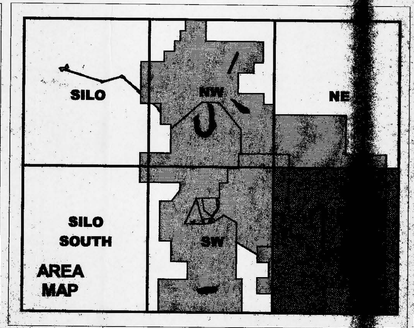
Navajo-Hopi Partition Line
Major Drainage
PWCC Conveyor
PWCC Lease Line

Permit Areas
Existing 01 Permit Line
Existing 1D Permit Line
Proposed 1D Permit Line

Power Lines
PWCC
Non-PWCC

Roads
PWCC PRE-LAW RD
PWCC 01 PRIMARY RD
PWCC 01 ANCILLARY RD
PWCC 01 RAMP
PWCC 1D PRIMARY RD
PWCC 1D ANCILLARY RD
PWCC 1D RAMP
NON-MINING RELATED ROAD

Buildings
Stream Buffer Zone
Road and Stream Intersection



REVISIONS

CHK'D	DATE	DESCRIPTION
JGS	2-14-95	Buffer Signs Update
JGS	5-28-97	OSM Revisions
JGS	10-15-97	OSM Response
JGS	2-15-00	Permit Rev.
JGS	08-01-02	OSM Response
JGS	1-20-04	5 Yr. Mine Plan Rev.

At-Grade Road Crossing/Stream Buffer Zone Map
Drawing No. 85642A
(SE Sheet)

DEC 2004 APPROVED

Black Mesa Complex
PO Box 650, Kayenta, Arizona 86033

Produced For:	Jim Schlenvogt	*Map By:*	J. Hamilton
Map Scale:	1 Inch = 1000 Feet	*Contour Interval:*	20
Photo Date:		*Photo Resolution:*	N/A
s:\gis\bm_data_n99\projects\atgradecrossing_n99.apr		*Plot Date:*	January 27, 2004