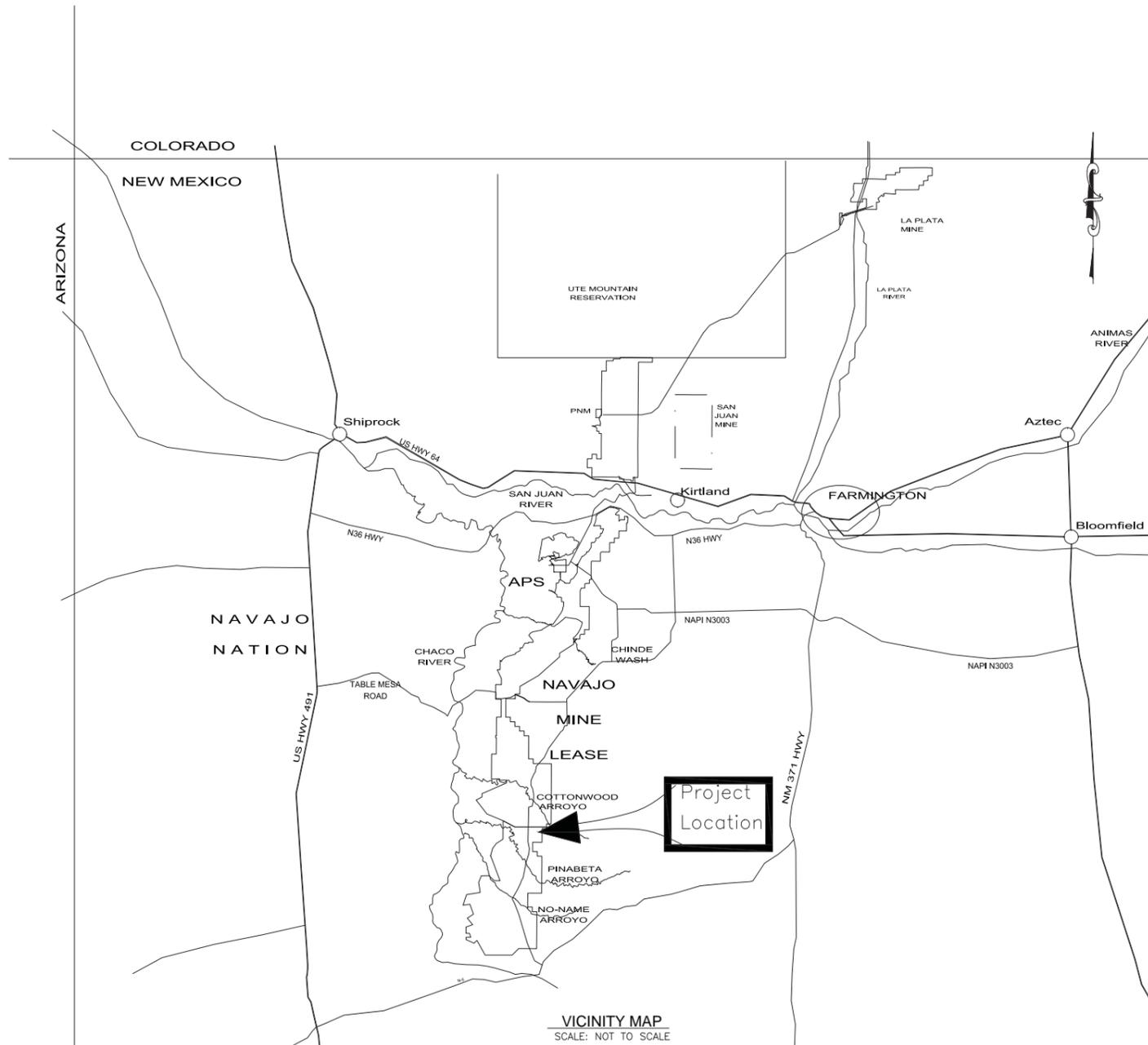


# BURNHAM SOUTH ROAD DESIGN BIA N5082 PINABETE PERMIT NAVAJO TRANSITIONAL ENERGY COMPANY EXHIBIT 40.6-1

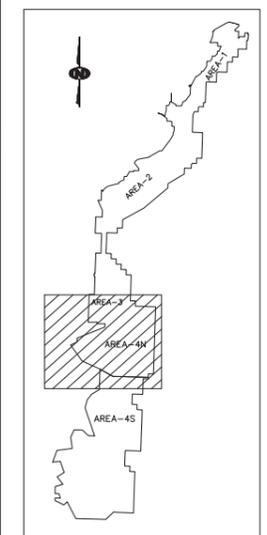


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET & SHEET INDEX
2	SITE PLAN, GENERAL NOTES, QUANTITIES AND CURVE TABLE
3	PLAN AND PROFILE: BURNHAM SOUTH ROAD STA 0+00 TO 29+00
4	PLAN AND PROFILE: BURNHAM SOUTH ROAD STA 29+00 TO 59+00
5	PLAN AND PROFILE: BURNHAM SOUTH ROAD STA 59+00 TO 88+00
6	PLAN AND PROFILE: BURNHAM SOUTH ROAD STA 88+00 TO 117+00
7	PLAN AND PROFILE: BURNHAM SOUTH ROAD STA 117+00 TO 143+77
8	TYPICAL ROAD SECTIONS AND GUARDRAIL TABLE & DETAILS
9	SUPER ELEVATION TABLE AND DETAILS
10	CULVERT TABLE AND DRAINAGE DETAILS
11	SIGN & OBJECT MARKER TABLE AND DETAILS

PROJECT LENGTH		
ROAD	LENGTH, ft.	LENGTH, miles
BURNHAM SOUTH ROAD		
BEGINNING STATION 0+00		
ENDING STATION 143+77	14,377	2.72

Design Data	
ADT	1,200 vpd
Max. Super Elevation	4 %
Maximum Gradient	4 %
Min. Stopping Sight Distance	425 ft
Design Speed Limit	50 mph
Posted Speed Limit	35 mph
Minimum Passing Sight Dist.	1800 ft

LEGEND	
	BURNHAM SOUTH ROAD
	EAST HAUL ROAD
	SERVICE ROAD & SERVICE ROAD LOOP
	PAVED ROAD
	DIRT ROAD
	TRAIL
	BUILDING
	FENCE
	IRRIGATION LINE
	CULVERT
	LOW SPOT ELEVATION
	DRAINAGE
	RAILROAD
	TREES
	POWERLINE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	218 5422.45 HORIZ. & VERT. CONTROL
	L-30 LEASE CORNER
	LEASE BOUNDARY
	PERMIT BOUNDARY



**CERTIFICATION STATEMENT**  
I, GEORGE A. MADRID, P.E., HEREBY CERTIFY THAT THIS DRAWING WAS REVIEWED BY ME AND THAT THE INFORMATION SHOWN IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

**George A. Madrid**  
 REGISTERED PROFESSIONAL ENGINEER

**GEOMAT INC.**  
 915 Malta Avenue • Farmington, NM 87401 • (505) 327-7928

NO.	DATE	COMMENT
2	05-23-14	REVISED TITLE BLOCK
1	03-15-12	REVISED TITLE & TITLE BLOCK
0	02-07-12	INITIAL PERMIT SUBMITTAL

EXHIBIT 40.6-1

## NTEC

Navajo Transitional  
Energy Company, LLC

### Navajo Mine

P.O. Box 1717  
Fruitland, New Mexico, 87416

Phone: 505-598-4200  
Fax: 505-568-3361

## PINABETE PERMIT

BURNHAM SOUTH ROAD DESIGN  
COVER SHEET & SHEET INDEX

SHEET: 1 OF 11

PREPARED BY: BT&PR    DRAWN BY: BT&PR    SCALE: AS SHOWN  
 APPROVED BY: GM    DATE: 02-07-2012  
 GEOMAT PROJECT NO. 112-1434

THE DESIGN FEATURES SHOWN ON THESE DESIGN PLANS ARE REASONABLE REPRESENTATIONS OF THE PROPOSED WORK BASED ON THE INFORMATION AVAILABLE AT THE TIME OF SUBMITTAL OF THIS PERMIT PACKAGE. ACTUAL CONSTRUCTION DETAILS MAY VARY FROM THOSE SHOWN.

**NOT ISSUED FOR CONSTRUCTION**