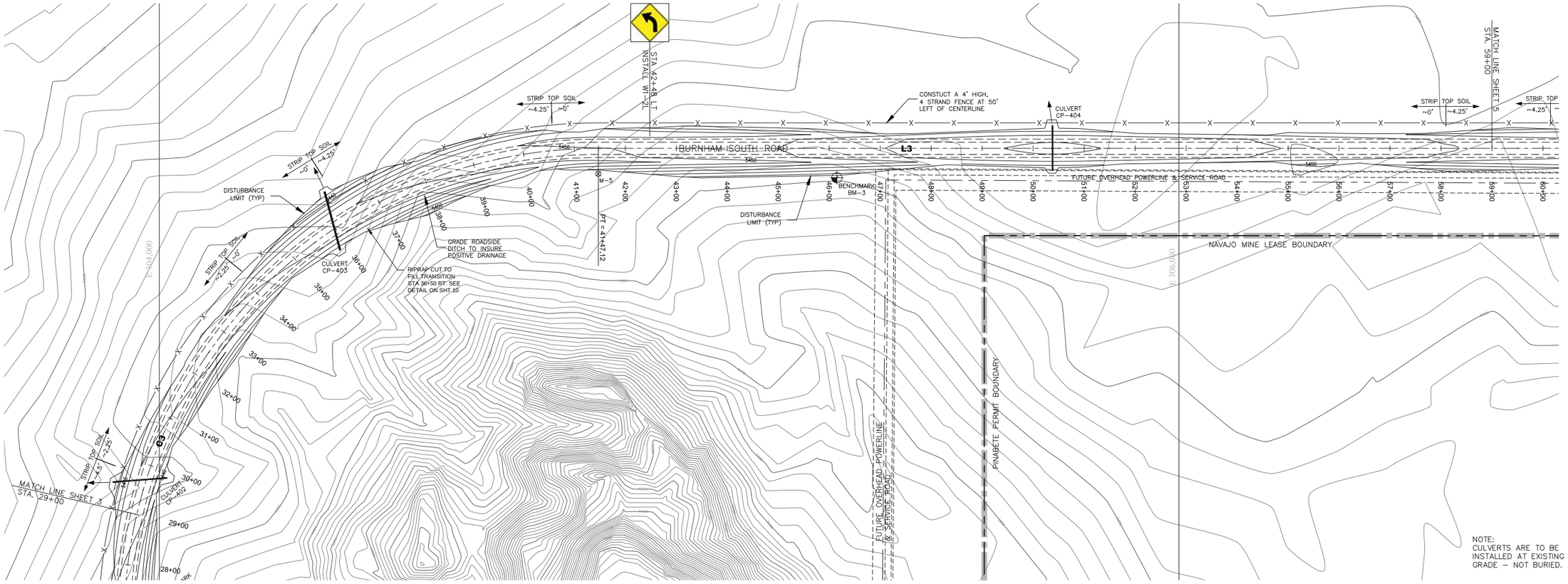


THESE PLANS ILLUSTRATE THE DESIGN OF THE PROPOSED BURNHAM SOUTH ROAD AND ASSUME THAT IT WILL BE CONSTRUCTED CONCURRENTLY WITH THE EAST HAUL ROAD AND THE SERVICE ROAD LOOP. SEE EXHIBIT 23.2–2 FOR THE DESIGN OF THE EAST HAUL ROAD AND THE SERVICE ROAD LOOP. IF CONSTRUCTION IS NOT PERFORMED CONCURRENTLY PROVIDE TEMPORARY GRADING TO FACILITATE DRAINAGE.

BURNHAM SOUTH ROAD

STA 29+00 TO 59+00

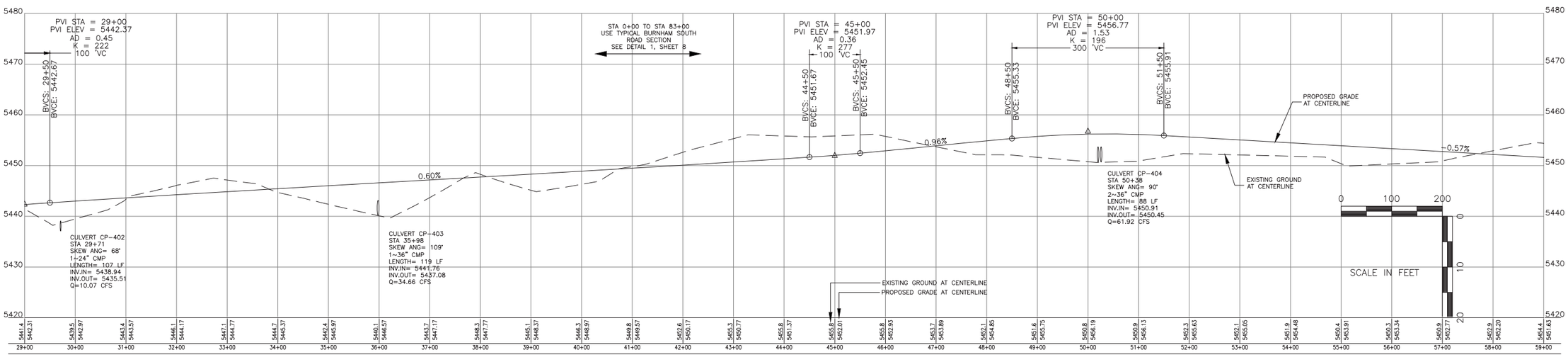
0 100' 200'

SCALE: 1" = 100'

BURNHAM SOUTH ROAD LINE AND CURVE TABLE

LINE	LENGTH	BEARING	START NORTHING	START EASTING	END NORTHING	END EASTING
L1	114.04'	N 24°23'03" E	1988407.33	302254.43	1988511.20	302301.51
L2	193.80'	N 00°00'00" W	1989981.41	303931.26	1990175.20	303931.26
L3	2221.84'	N 90°00'00" E	1991105.20	304861.26	1991105.20	307083.10
L4	2850.20'	N 00°00'00" W	1992035.20	308013.10	1994885.40	308013.10
L5	523.94'	N 51°49'39" E	1995616.52	308368.33	1995940.33	308780.23

CURVE	LENGTH	RADIUS	DELTA ANGLE	TANGENT	CHORD BEARING	CHORD
C1	991.32'	930.00'	61°04'26" Right	548.62'	N 54°55'16" E	945.05'
C2	1387.12'	930.00'	85°27'29" Left	859.05'	N 42°43'46" E	1262.07'
C3	1460.84'	930.00'	90°00'00" Right	930.00'	N 45°00'00" E	1315.22'
C4	1460.84'	930.00'	90°00'00" Left	930.00'	N 45°00'00" E	1315.22'
C5	841.24'	930.00'	51°49'39" Right	451.86'	N 25°54'49" E	812.85'
C6	1267.44'	930.00'	78°05'05" Left	754.24'	N 13°00'08" E	1171.60'
C7	1031.79'	930.00'	63°34'02" Right	576.26'	N 05°44'37" E	979.68'
C8	225.59'	1000.00'	12°55'31" Left	113.28'	N 31°03'52" E	225.11'



BURNHAM SOUTH ROAD

STA 29+00 TO 59+00

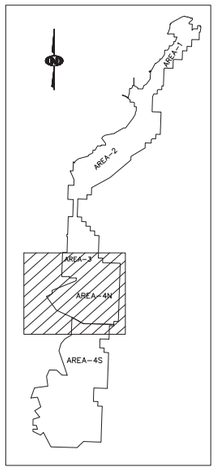
1"=100'H 1"=10'V

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

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
- × 5338.5 SPOT ELEVATION
- 5300 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 NEW MEXICO 9110 REGISTERED PROFESSIONAL ENGINEER

George A. Madrid

Digitally signed by George A. Madrid
DN: c=US, st=New Mexico, o=GEOMAT Inc., ou=Engineering, cn=George A. Madrid, email=george.madrid@geomat-engineering.com
Date: 2014.05.27 08:11:13 -06'00'

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

REV. 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: 505–564–3361

PINABETE PERMIT

PLAN & PROFILE:
BURNHAM SOUTH ROAD
STA 29+00 TO 59+00

SHEET: 4 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