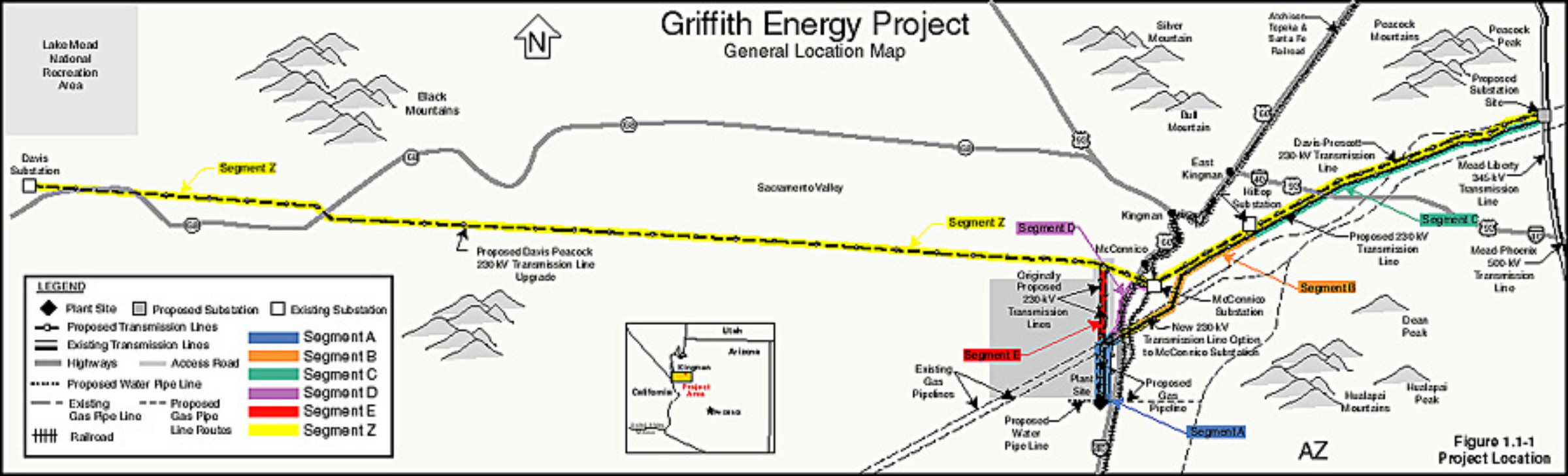
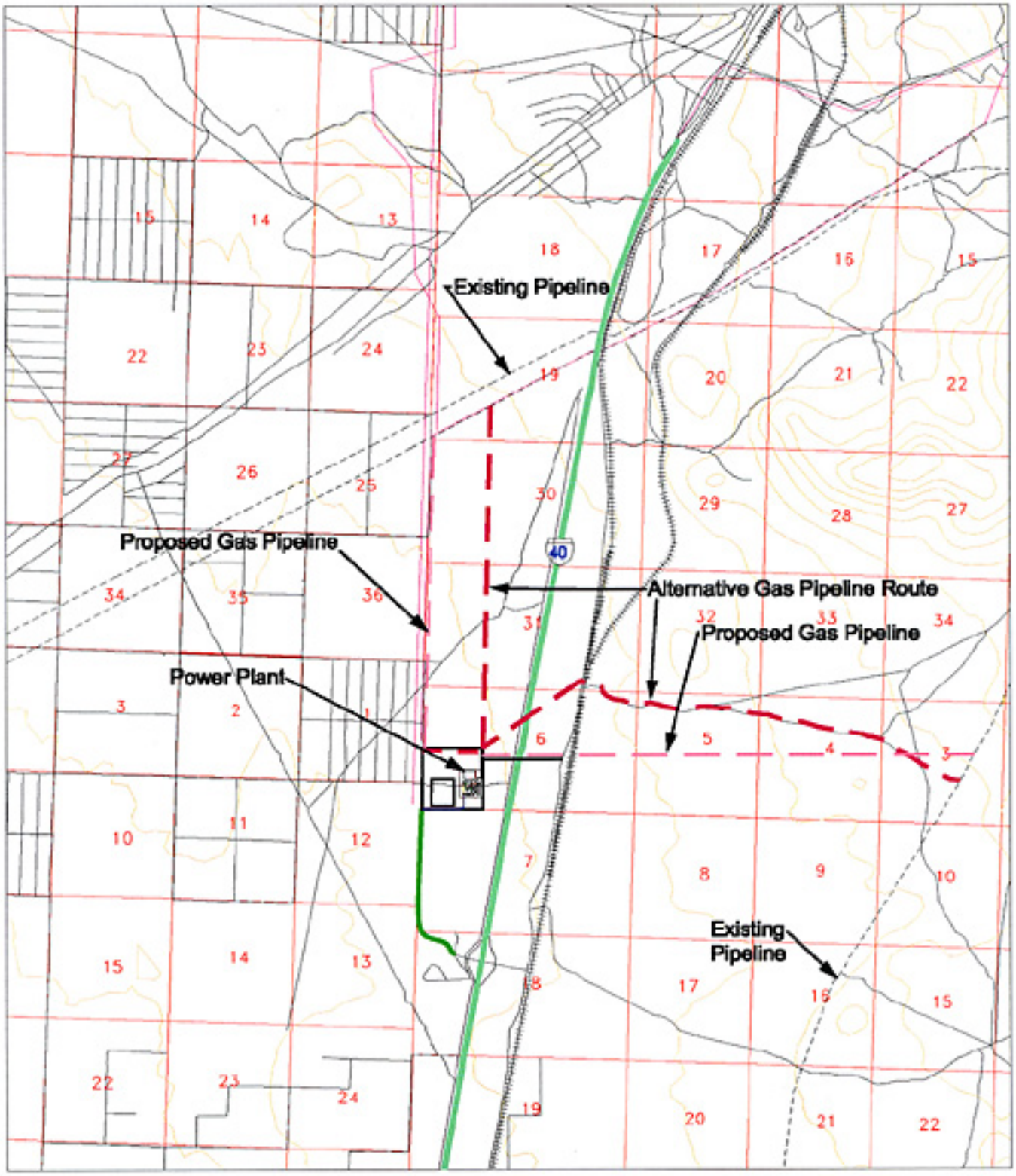


Figure 1.1-1
Project Location



LEGEND

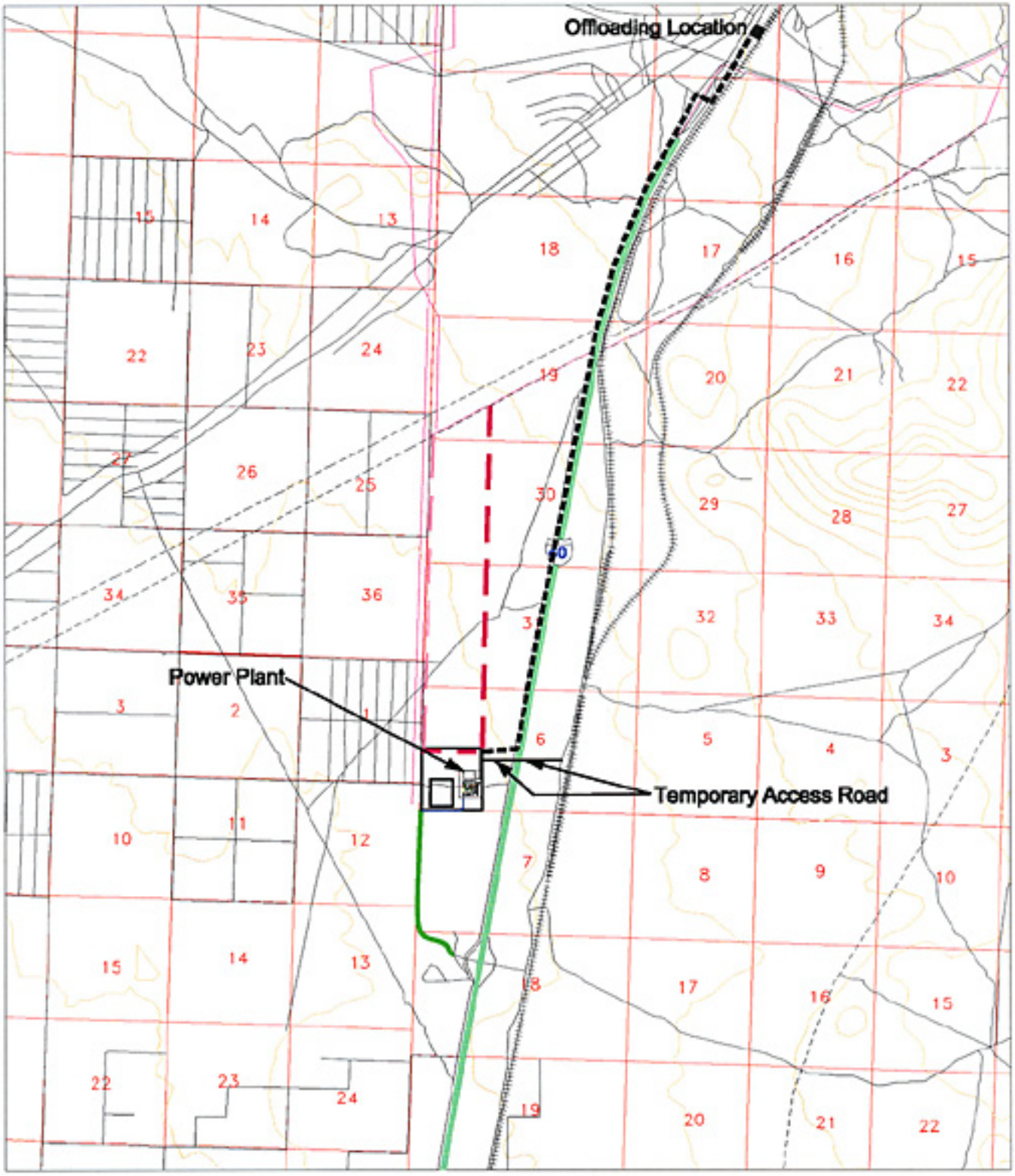
- Alternative Gas Pipeline
- Railroad
- Existing Gas Pipeline

N

0 6000 12000

Scale (ft)

Figure 2.2-1
Location of Alternative Pipeline Routes



LEGEND

Alternative Haul Road

Railroad

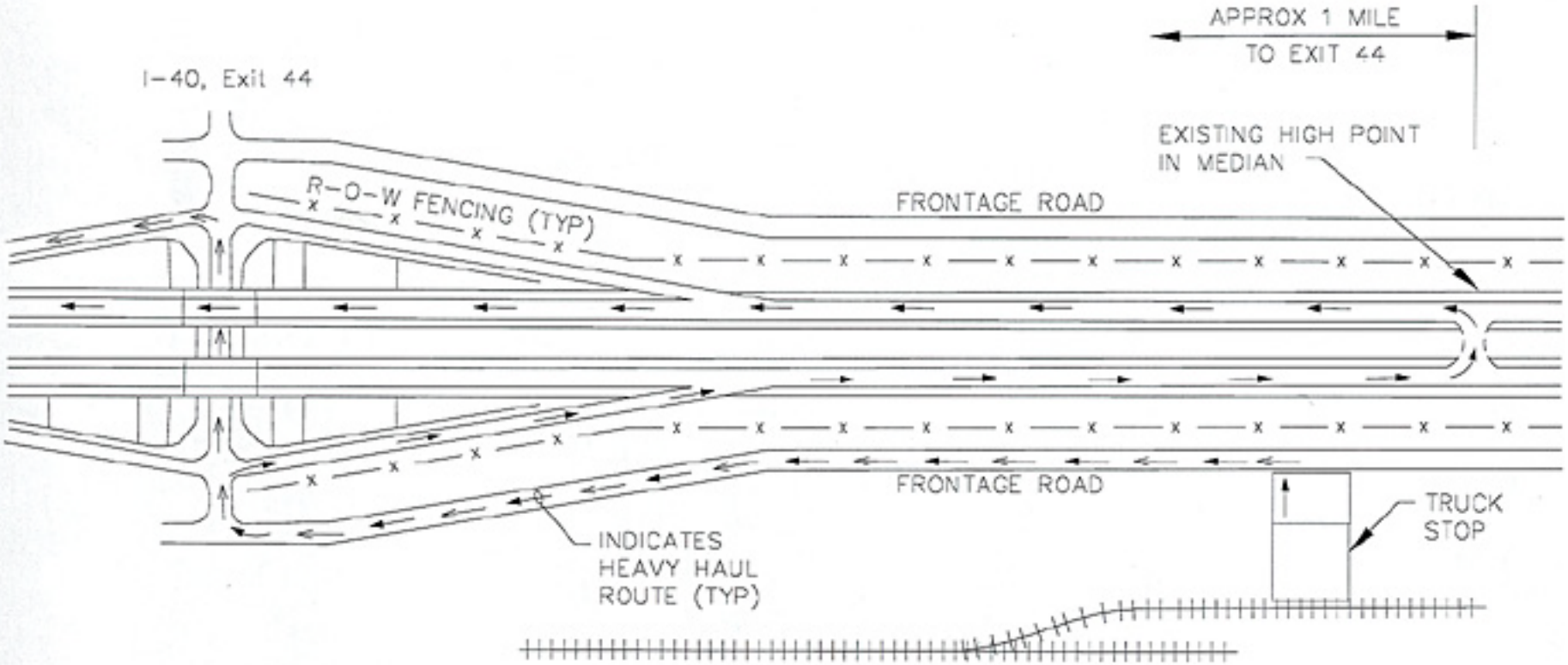
N

0 6000 12000

Scale (ft)

\681\report-eis\fig2.2-1c.dwg

Figure 2.2-1a
Location of Alternative Equipment Haul Route



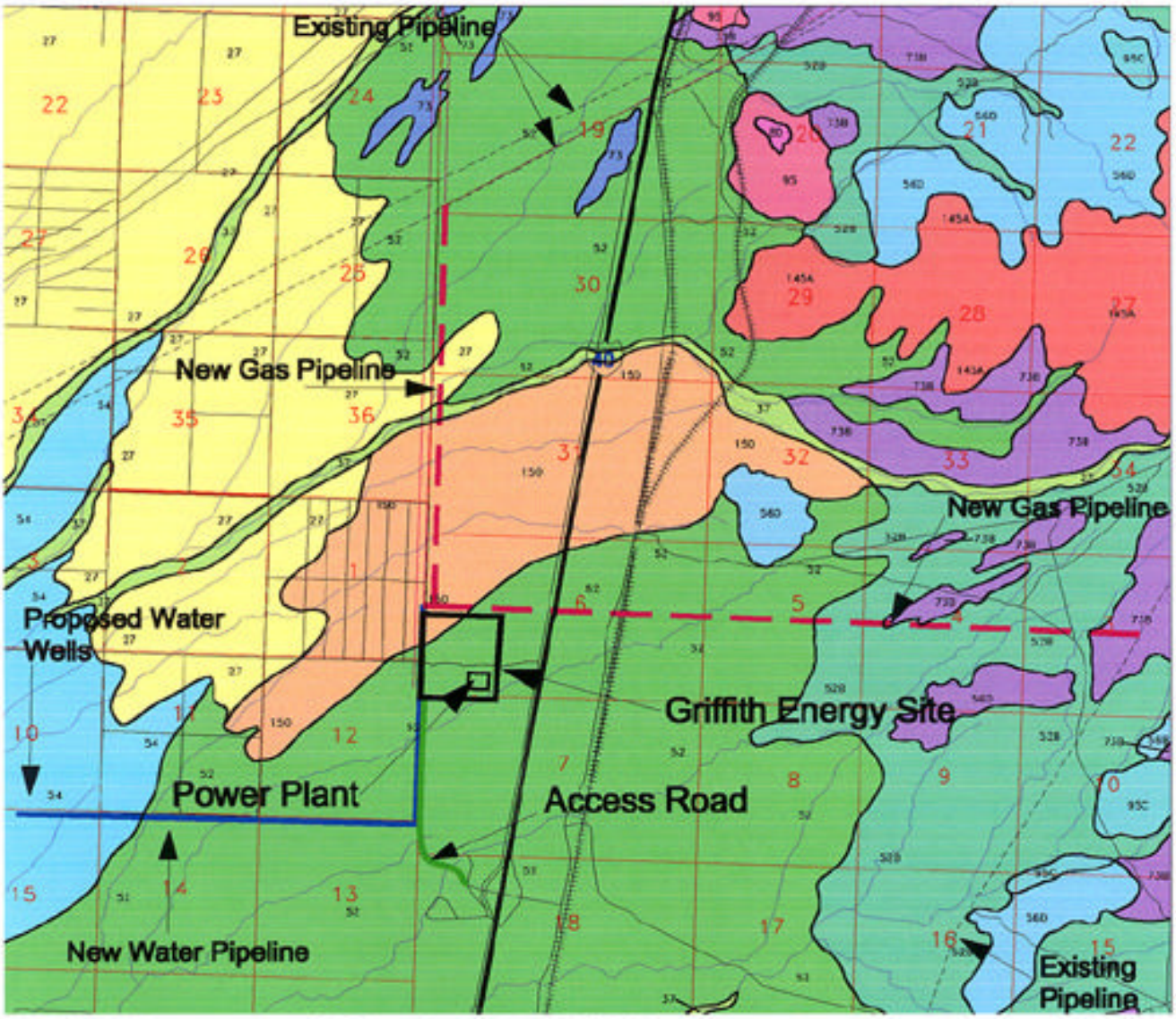
LEGEND

→ Haul route for equipment small enough to pass through the I-40 underpass

→ Haul Route for equipment too large to pass through the I-40 underpass

Figure 2.2-1b
Details of I-40 Access for Heavy Equipment Haul Route

\681\report-eis\fig2.2-1b.dwg



LEGEND

- Proposed Gas Pipeline
- Railroad
- Existing Gas Pipeline
- Soil boundary Line

Soil Mapping Units and ID Numbers

- 27 Poachie very gravelly loam, dry, 1 to 4 percent slopes.
- 37 Arbzo-Franconia-Riverwash complex, dry, 1 to 3 percent slopes.
- 52 Castaneda extremely gravelly loam, dry, 1 to 7 percent slopes.
- 52B Castaneda extremely gravelly loam, 1 to 7 percent slopes.
- 54B Orwash sandy loam, dry, 1 to 3 percent slopes.
- 56D Wildeup-Rock outcrop complex, 20 to 60 percent slopes.
- 73 Goodsprings gravelly sandy loam, dry, 1 to 15 percent slopes.
- 73B Goodsprings gravelly sandy loam, 1 to 15 percent slopes.
- 80 Tumarion very cobbly loam, dry, 2 to 15 percent slopes.
- 95 Razorback- Rock outcrop-Rubble land complex, dry, 40 to 70 percent slopes.
- 95C Razorback- Rock outcrop-Rubble land complex, 40 to 70 percent slopes.
- 145A Razorback- Rock outcrop complex, 15 to 70 percent slopes.
- 150 Mohon-Poachie complex, dry, 2 to 15 percent slopes.

Source: USDA NRCS 1998b.

N

0 1 2

Scale in Miles

Figure 3.4-1
Plant Vicinity Soils Map

\581\report-eis\fig3.4-1.dwg

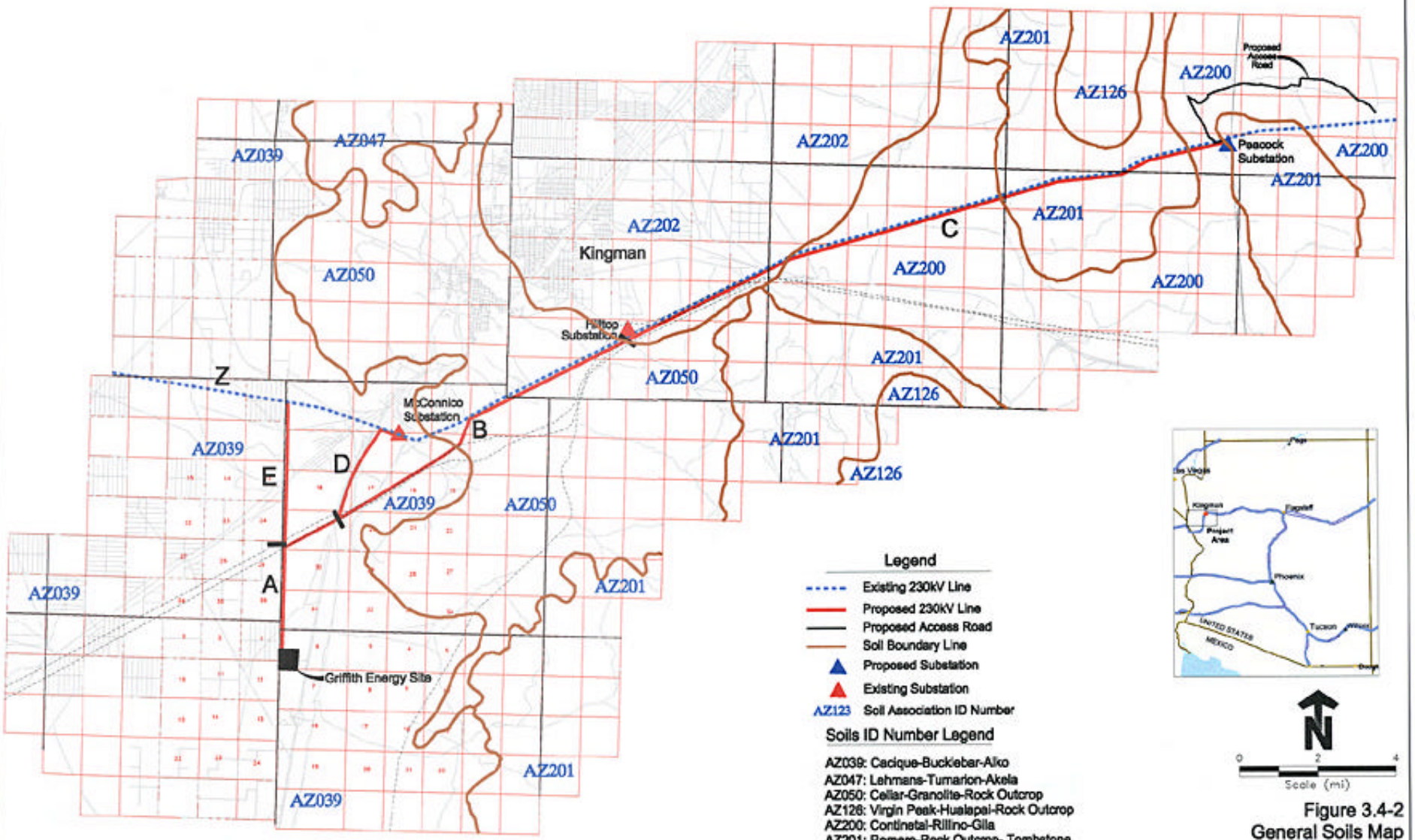


Figure 3.4-2
General Soils Map
Power Plant and
Eastern Transmission Line Routes

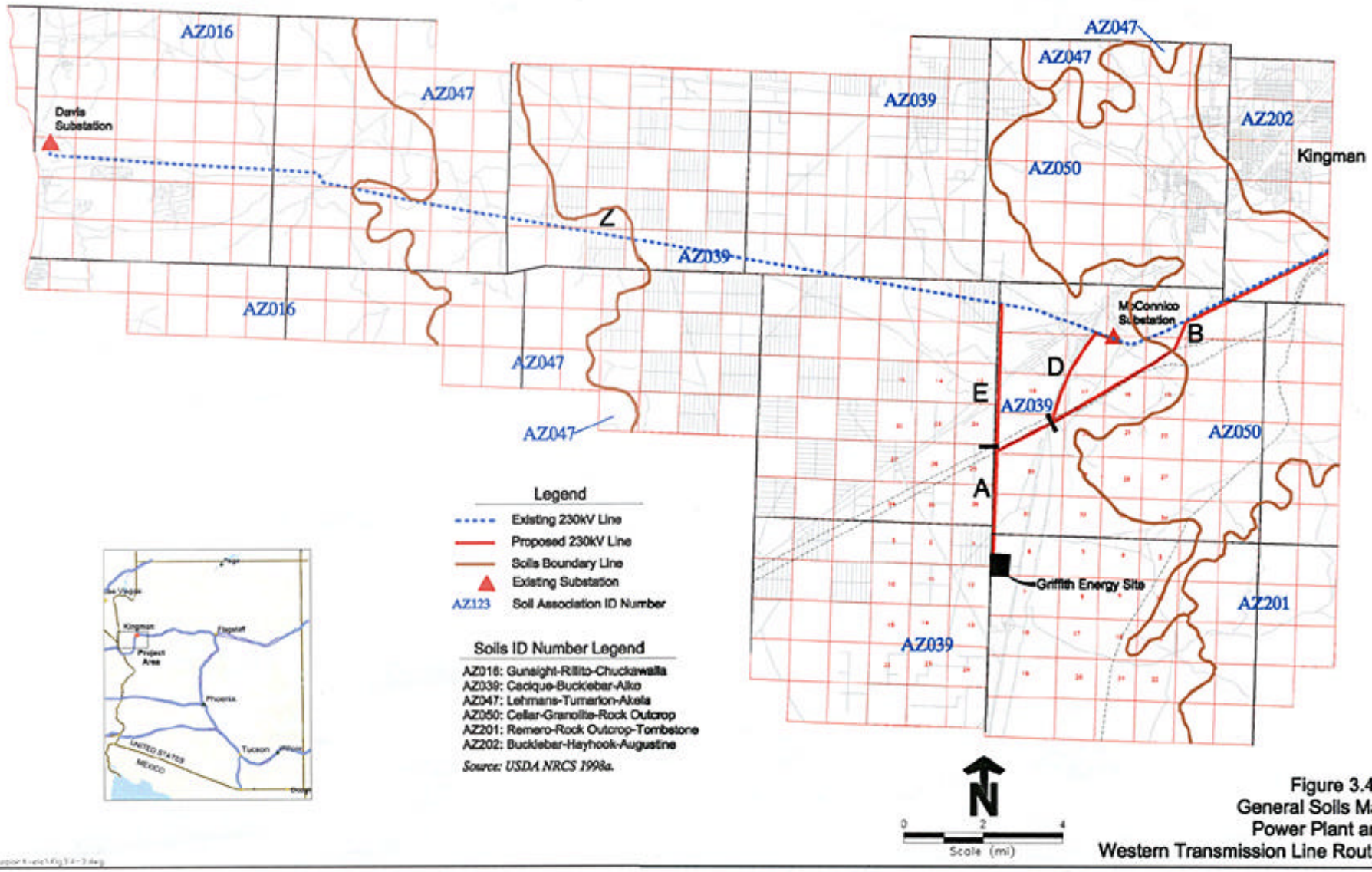
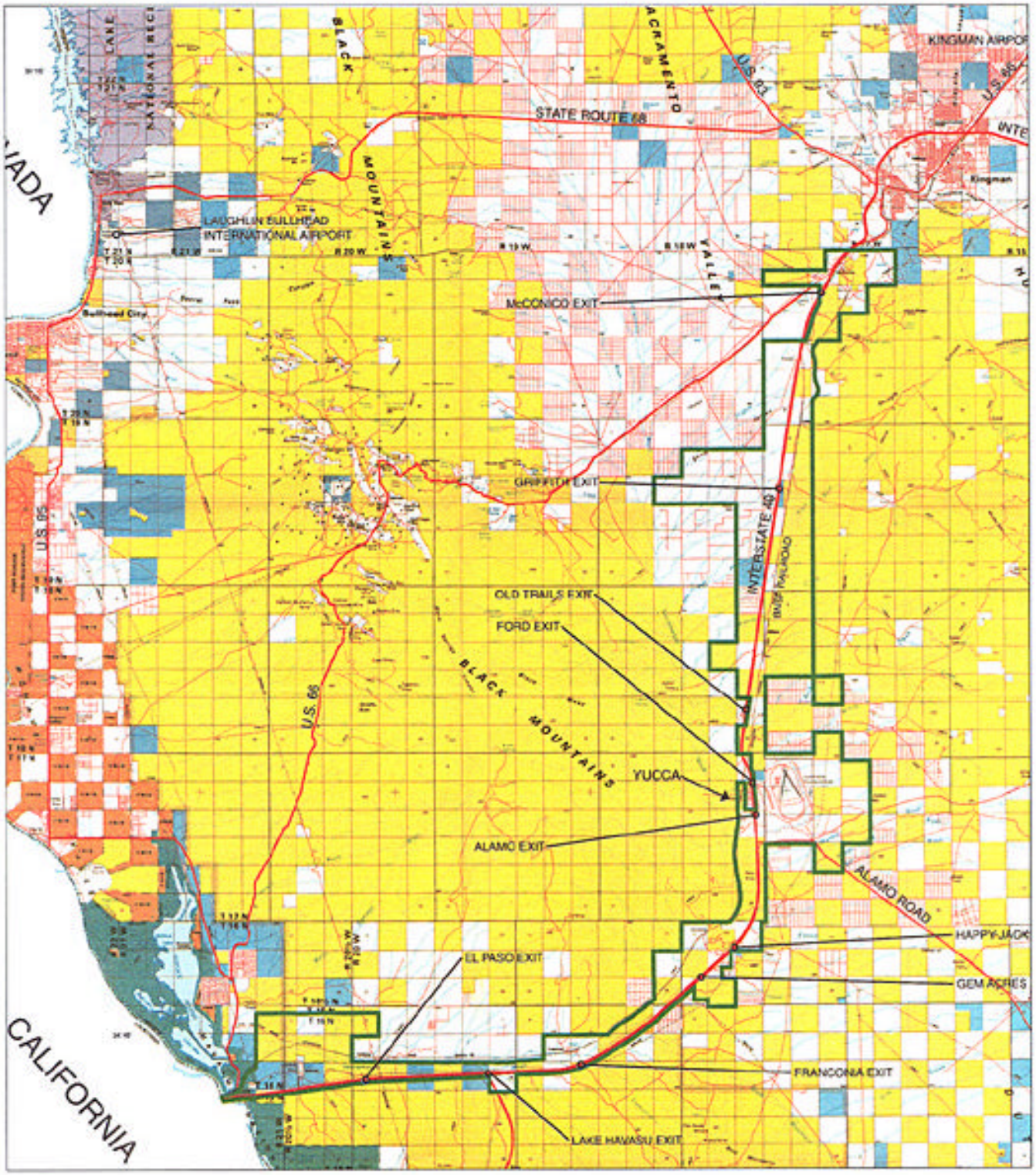


Figure 3.4-3
General Soils Map
Power Plant and
Western Transmission Line Routes



LEGEND

I-40 Industrial Corridor Boundary

Figure 3.8-2c
Location and Extent of I-40 Industrial Corridor

\681\40_corridor.dwg

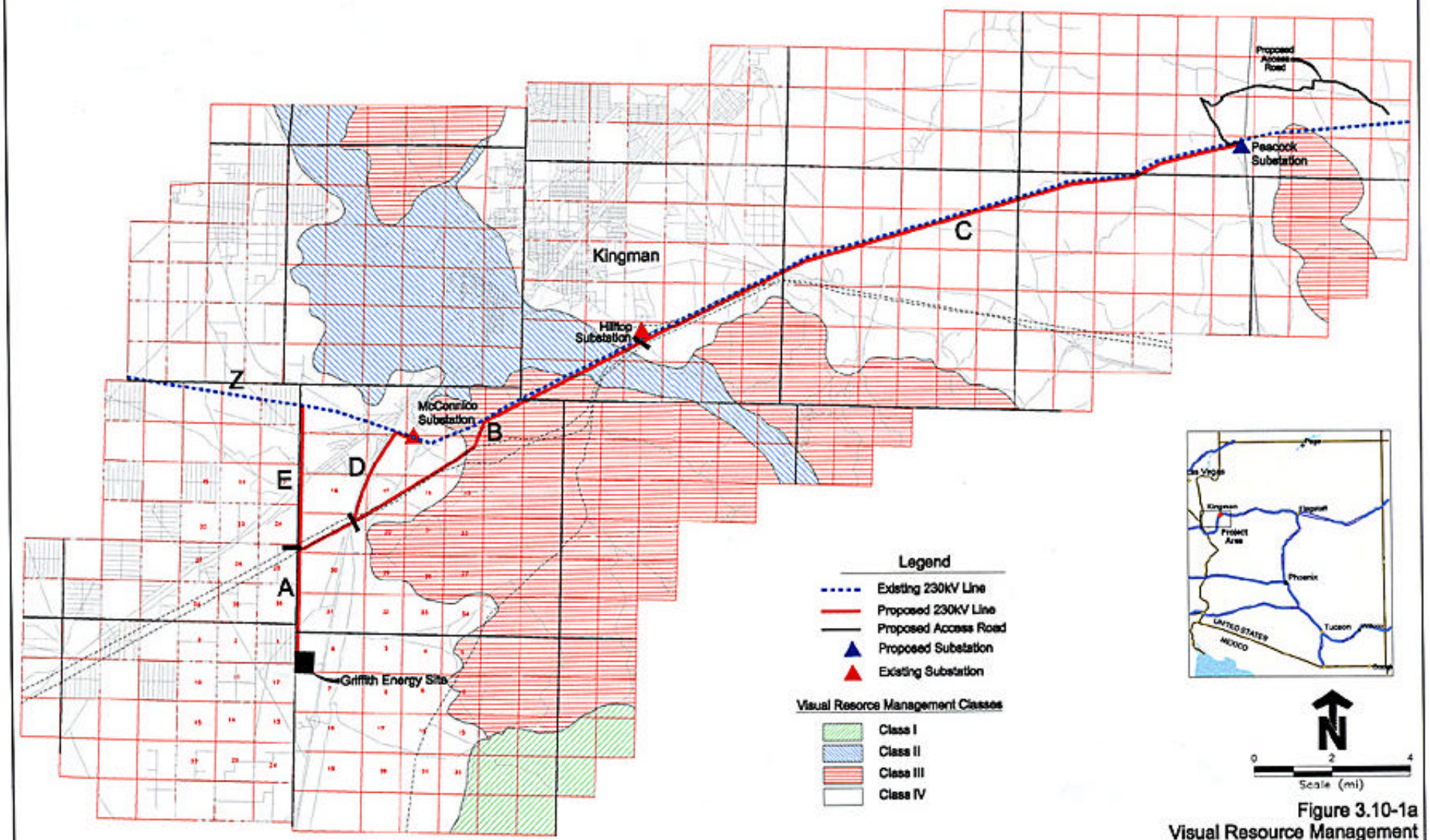


Figure 3.10-1a
Visual Resource Management
Power Plant and
Eastern Transmission Line Routes

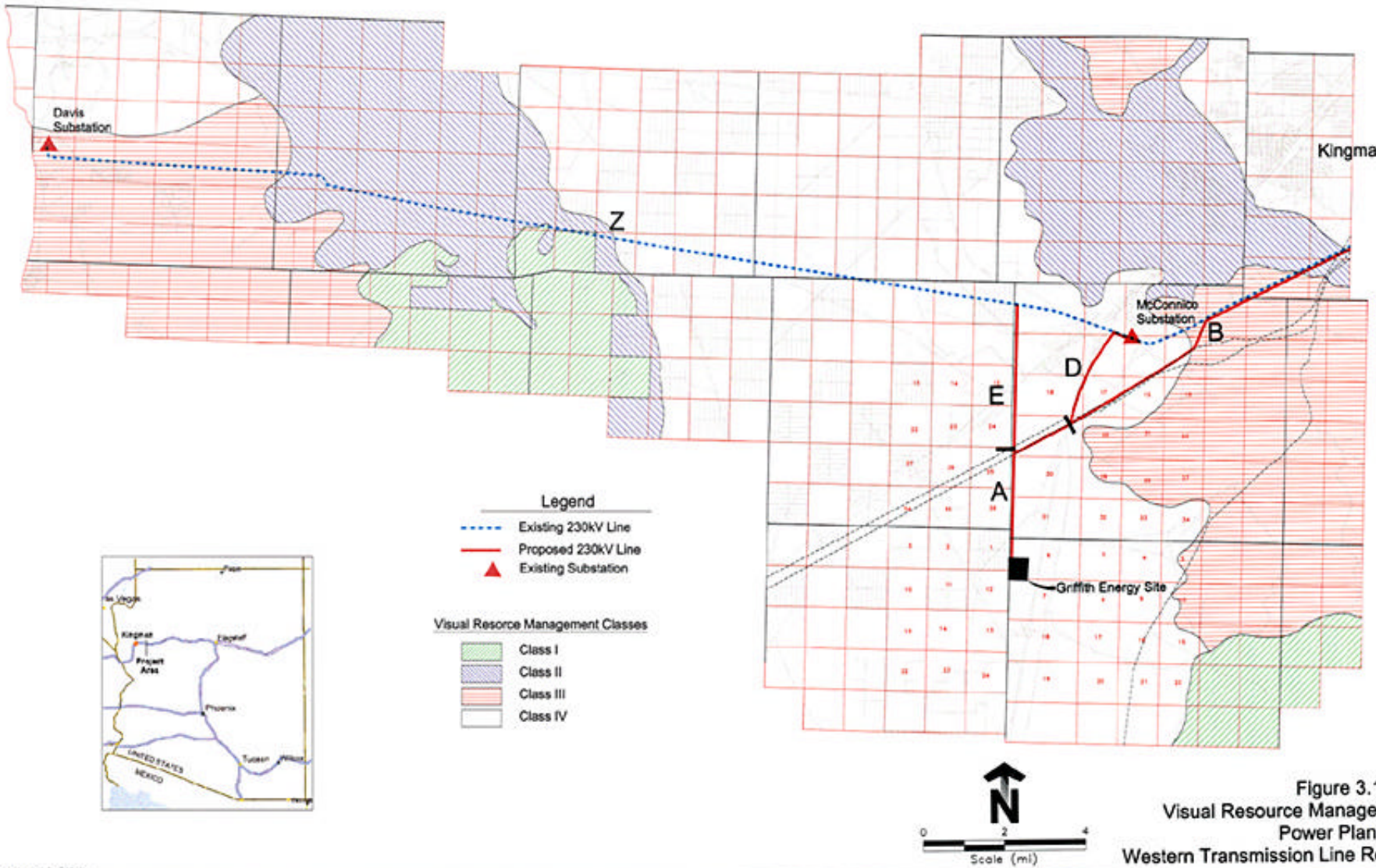
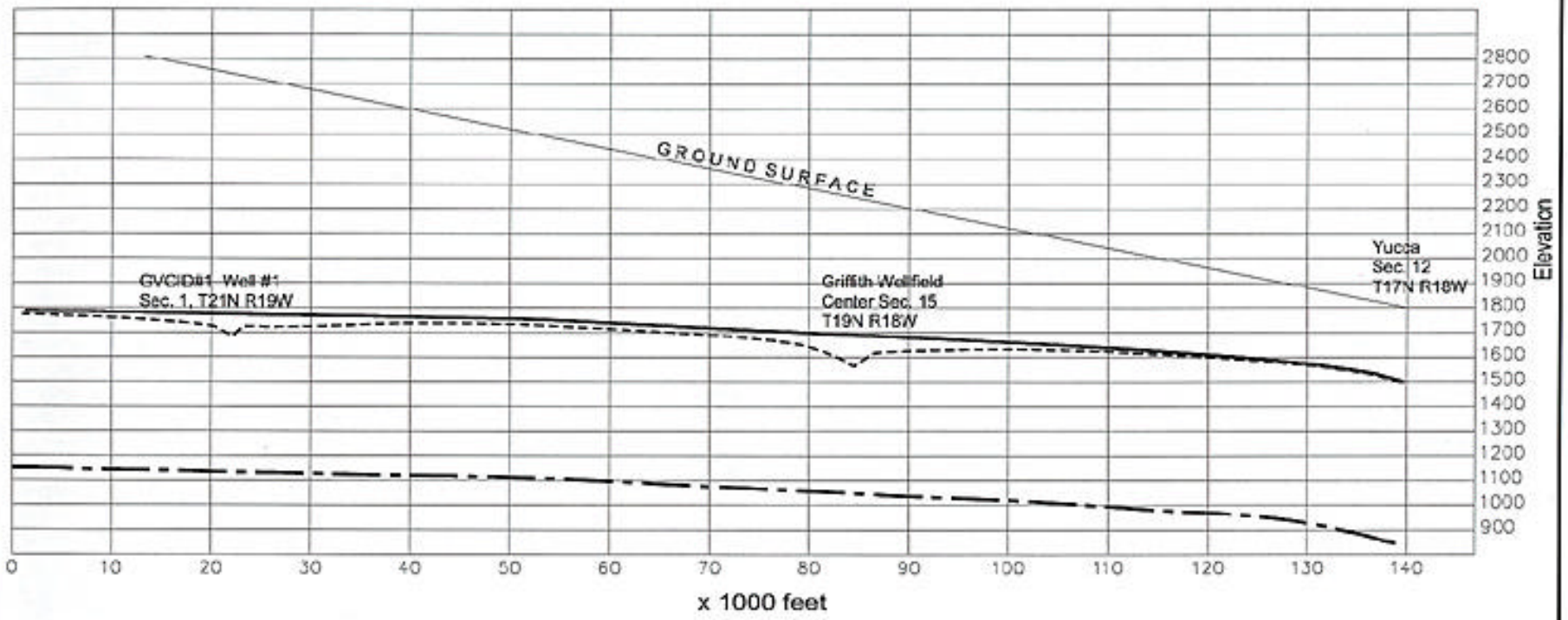


Figure 3.10-1b
Visual Resource Management
Power Plant and
Western Transmission Line Routes



Present Water Table

Projected Drawdown at 40 years

ADWR Limit of Maximum Development 1200' below the surface

Figure 4.2-5
Cross-Section Extended from
GVCID#1 Well 1 through
Griffith Wellfield to Yucca

Existing Condition
The view is of the existing 230kV transmission line crossing at Interstate 40.

Photo Simulation
Simulation of the new single steel pole 230kV transmission line constructed adjacent to the existing line.

Figure 4.9-4a
Photo Simulation of Single Pole Alternative Between
Hilltop Substation and Peacock Substation from KOP 4

/681/681sims/681kop-4a.dwg

Existing Condition

KOP 6 is at northbound Interstate 40 at the proposed transmission line crossing.

Photo Simulation

The 1,000 foot span extends across the highway between two single shaft steel pole structures. The corner pole is located east of the railroad (rightside of photo). The proposed line is visible along the east (right) side of the railroad tracks.

Photo Simulation

The 1,200 foot span extends across the highway between two steel lattice structures.

Figure 4.9-6

Photo Simulations of Single Pole and Lattice Structure Alternatives from KOP 6

\681\681sims\681koo-6b.#g

Existing Condition

The view is to the east from the Walnut Creek Estates Subdivision on Route 66.

Photo Simulation

Simulation of the new 230kV Transmission line installed with single shaft steel structures. The proposed line is 0.7 miles from the KOP, and is visible below the base of the mountains backdrop.

Figure 4.9-7
Photo Simulation of Single Pole Alternative from KOP 7

\681\681sims\681kop-7a.dwg

Existing Condition
The view is to the east from the Walnut Creek Estates Subdivision on Route 66.

Photo Simulation
Simulation of the new 230kV Transmission line installed with steel lattice structures. The proposed line is 0.7 miles from the KOP, and is visible below the base of the mountains backdrop.

Figure 4.9-8
Photo Simulation of Lattice Structure Alternative from KOP 7

\681\681sims\681koo-7.dwg

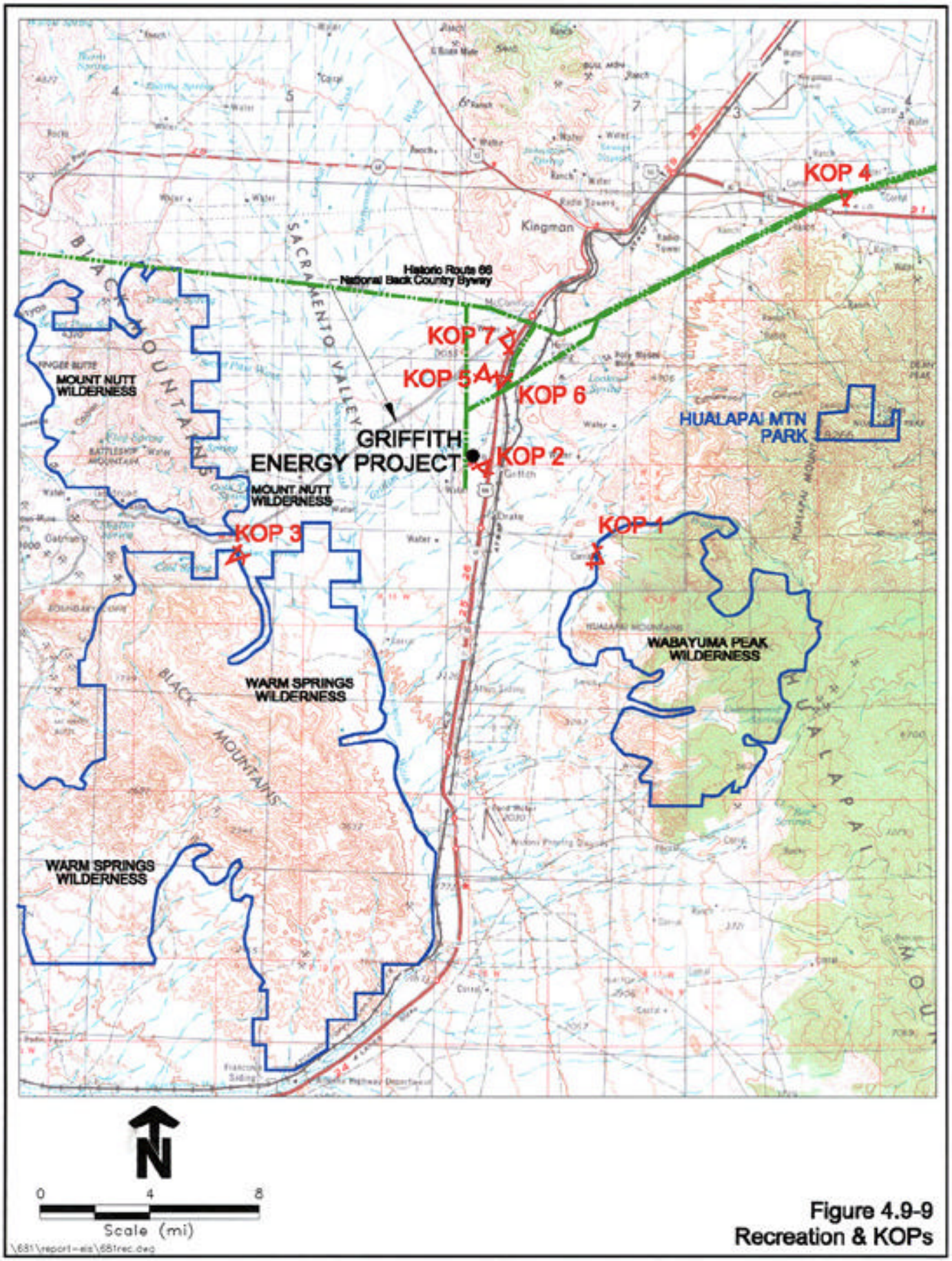


Figure 4.9-9
Recreation & KOPs