ENVIRONMENTAL REPORT

CHAPTER 2

ENVIRONMENTAL DESCRIPTION

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2.0 ENVIRONMENTAL DESCRIPTION

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2.1 STATION LOCATION

The proposed new nuclear power plant, Bell Bend Nuclear Power Plant (BBNPP), will be located west of the existing nuclear power plant, Susquehanna Steam Electric Station (SSES) Units 1 and 2 in Salem Township, Luzerne County, Pennsylvannia. The site boundaries areas shown in Figure 2.1-1.

The BBNPP site is approximately 5 miles (8 km) northeast of the Borough of Berwick, Pennsylvania. It is adjacent to U.S. Route 11. The site is 1.5 mi (2.4 km) to the north and west of the north branch of the Susquehanna River.

The site is approximately 115 miles north west of Philadelphia, Pennsylvania. The North American Datum of 1983 (NAD 83) Geodetic coordinates of the center of the BBNPP Containment Building are latitude 41º 05′ 12″ North and longitude 76º 09′ 54″ West. The NAD 83 Universal Transverse Mercator (UTM) coordinates for the center of the BBNPP Containment Building are the UTM Zone 18N (78W to 72W), North 4,549,017 and East 402,157.

The 50 mi (80 km) region around the BBNPP site is shown in Figure 2.1-2 while the 8 mi (13 km) vicinity is shown in Figure 2.1-3. A high oblique aerial photograph of the BBNPP site is shown in Figure 2.1-4. See Figure 2.1-5 for the area uses during construction.

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Figure 2.1-1—BBNPP Site and Proposed New Plant Layout

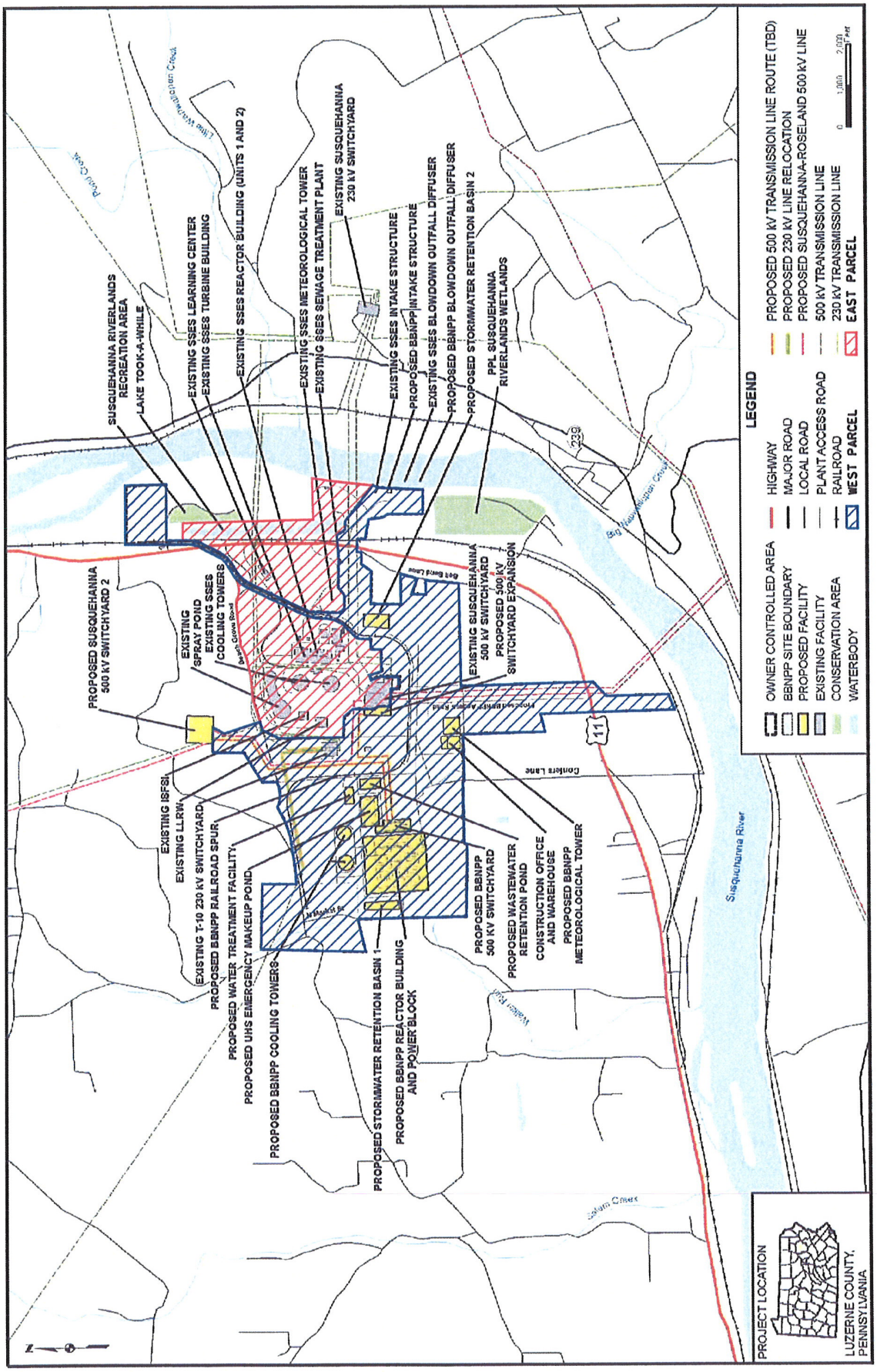

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Figure 2.1-2—BBNPP Site 50 Mile (80 km) Region

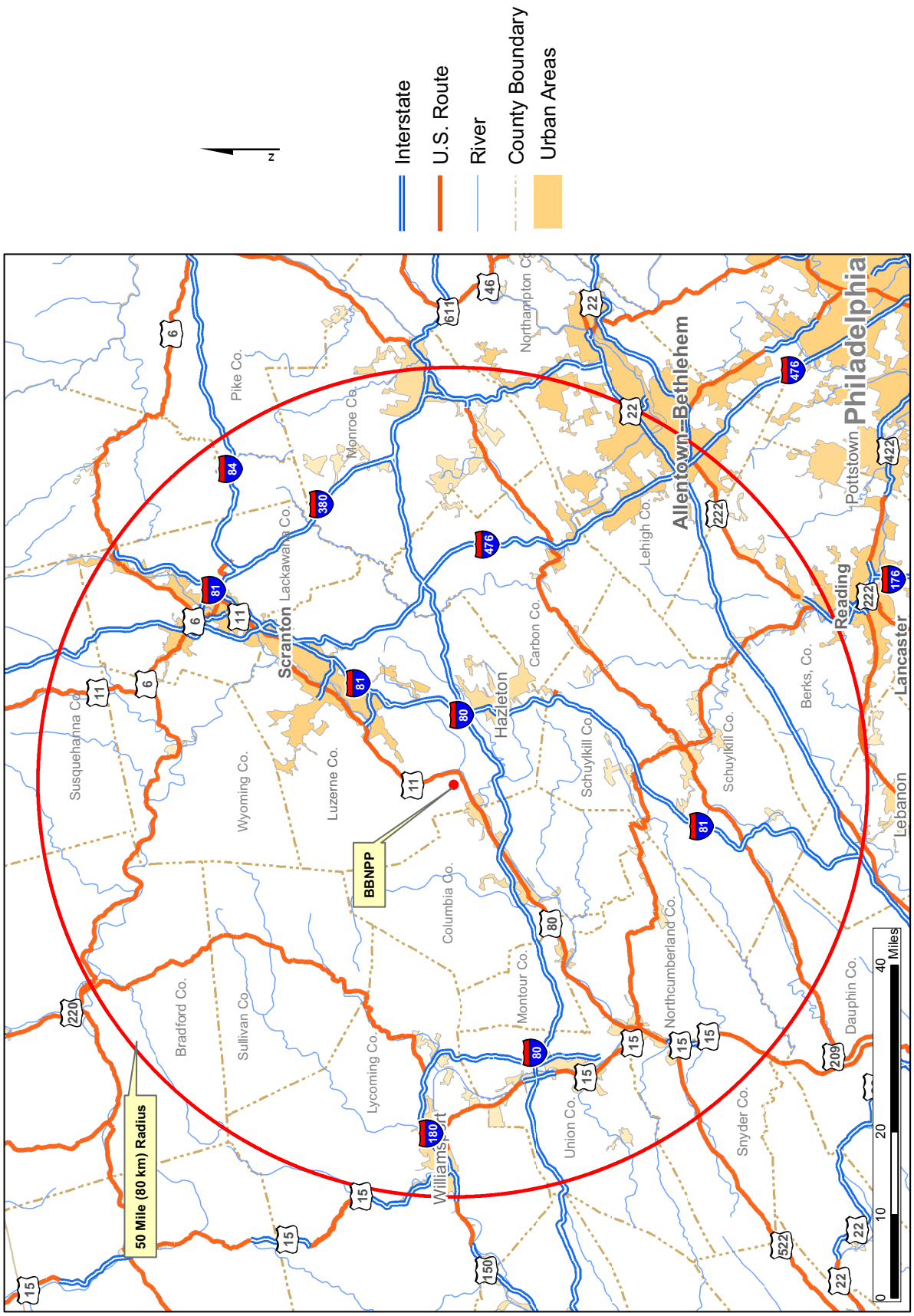

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Figure 2.1-3—BBNPP Site 8 mi (13 km) Region

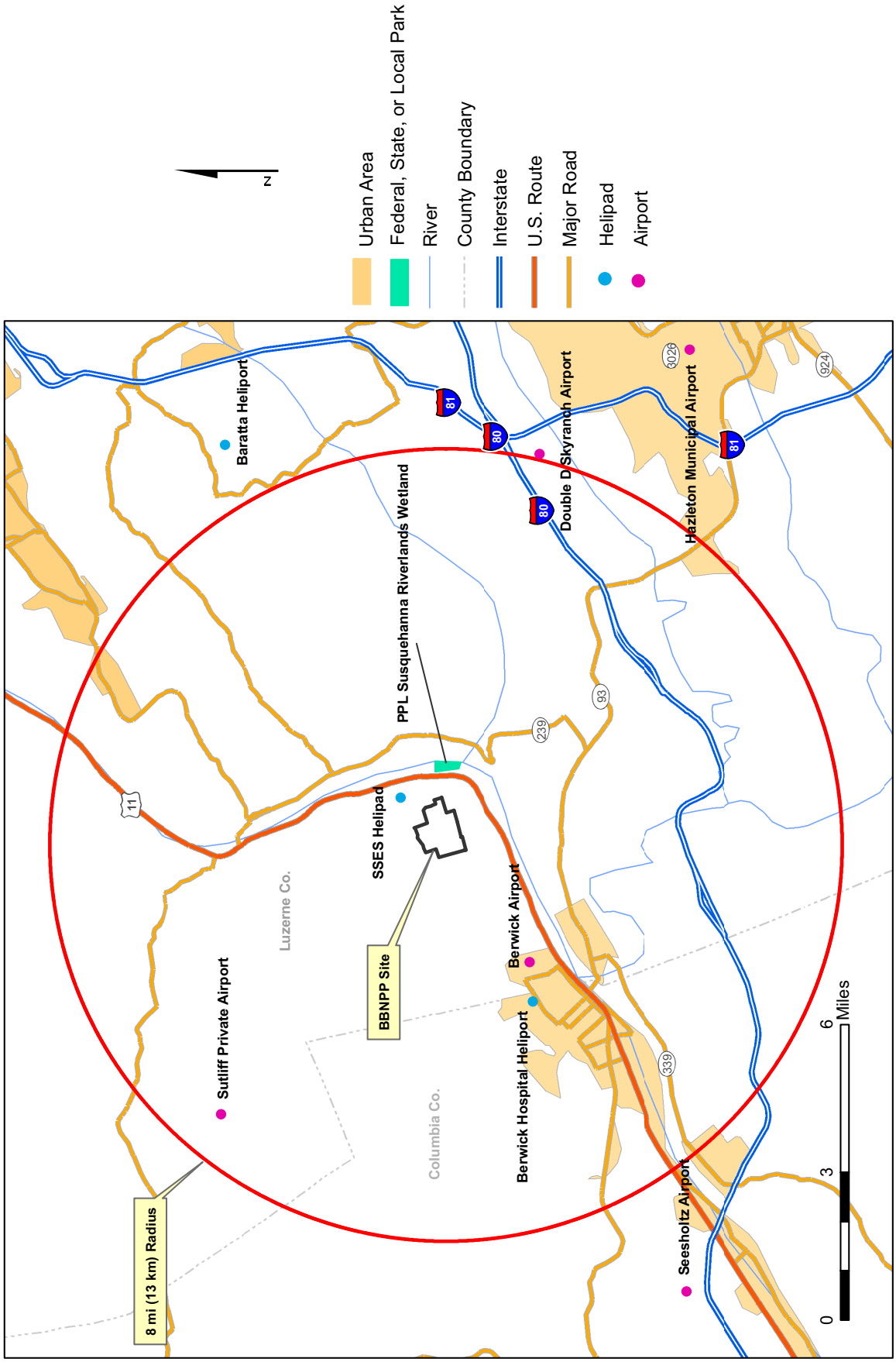

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Figure 2.1-4—Oblique Aerial Photo Showing BBNPP Project Area

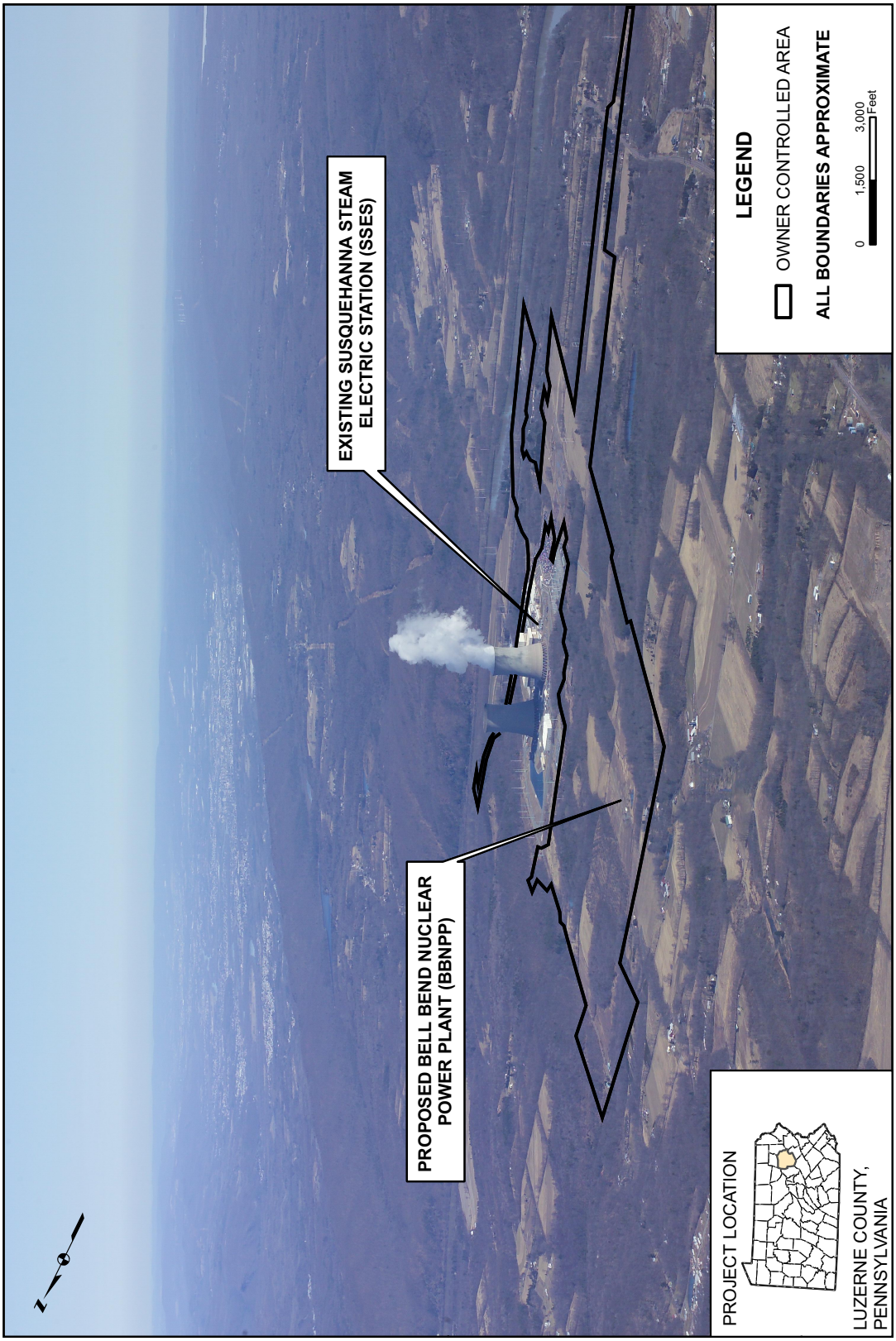

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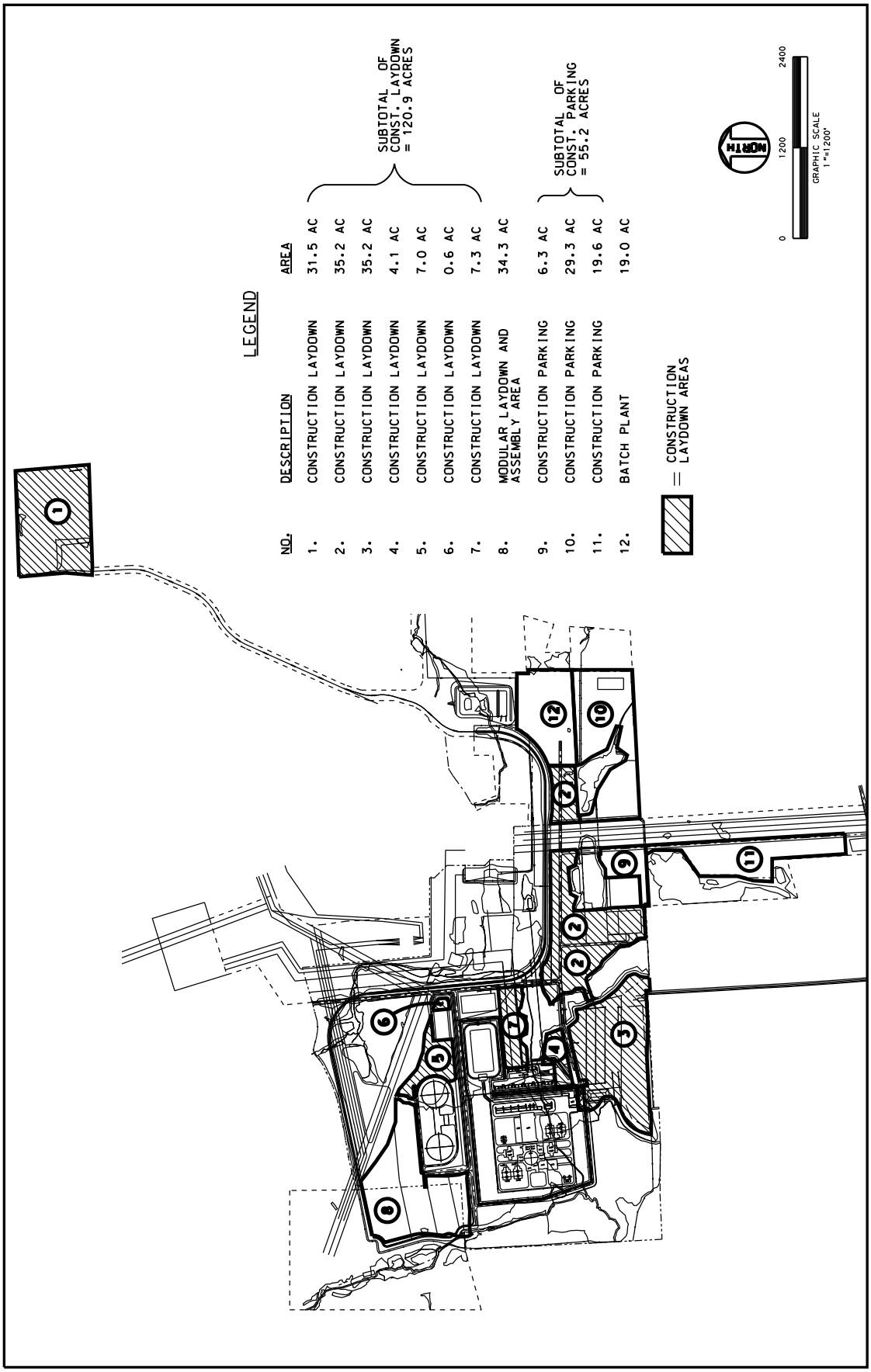
Figure 2.1-5—Area Uses During Construction



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