U.S. DEPARTMENT OF ENERGY

DOE/EIS-0486

Draft

PLAINS & EASTERN CLEAN LINE TRANSMISSION PROJECT

ENVIRONMENTAL IMPACT STATEMENT

Volume III of V

U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Washington, DC

December 2014

Appendix A Introduction and Table of Contents

This appendix contains the 11-inch by 17-inch formatted figures referenced in the text of the EIS.

Some of the descriptors of the symbology provided on these figures are provided as acronyms or abbreviations; please reference the List of Acronyms in the Table of Contents.

In some cases multiple project components (e.g., AC collection system routes, HVDC alternative routes, and the Applicant Proposed Route) overlap and may not always be visible on the maps.

Chapter 1

Figures in this chapter provide a detailed look at the location of Project features relative to topography and aerial imagery. The Aerial Imagery maps offer the most detailed look at the location of the proposed Project features by providing a large-scale depiction (i.e., show a small area on the ground at a high level of detail) and include locational information such as roads, waterways, county and municipal boundaries, and township/range/section overlaid on recent aerial imagery.

Figure 1.0-1: Topographic Maps

Figure 1.0-2: Aerial Maps

Chapter 2

Figures in this chapter include maps that provide an overview of the location of proposed Project features, depict the typical arrangement of converter station equipment and illustrate transmission structure types.

Figure 2.1-1: Converter Station General Layout

Figure 2.1-2: Proposed Project Overview

Figure 2.1-3: Oklahoma Converter Station Siting Area Property Location and Aerial

Figure 2.1-4: Tennessee Converter Station Siting Area Property Location and Aerial

Figure 2.1-5: 345kV Lattice Deadend and V-string

Figure 2.1-6: 345kV 3-Pole Guyed Deadend and Deadend

Figure 2.1-7: 345kV 3-Pole Guyed Running Angle and Running Angle

Figure 2.1-8: 345kV Double Circuit Pole Deadend and V-string

Figure 2.1-9: 345kV Lattice Single Circuit Guyed Pole Deadend and Deadend

Figure 2.1-10: 345kV Lattice Single Circuit Pole Braced Post and V-string

Figure 2.1-11: 500kV Lattice Deadend and V-string

Figure 2.1-12: 500kV 3-Pole Guyed Deadend and Deadend

Figure 2.1-13: 500kV 3-Pole Guyed Running Angle and Running Angle

Figure 2.1-14: 500kV Double Circuit Pole Deadend and V-string

Figure 2.1-15: 500kV Lattice Single Circuit Guyed Pole Deadend and Deadend

Figure 2.1-16: 500kV Single Circuit Pole Braced Post and V-string

Figure 2.1-17a through 2.1-17f: Counties Crossed by Project Features

Figure 2.1-18: HVDC ROW Limits

Figure 2.1-19: 600kV Lattice Deadend and Running Angle

Figure 2.1-20: 600kV Monopole Deadend and Running Angle

Figure 2.1-21: 600kV Monopole Tangent

Figure 2.1-22: 600kV Guyed Mast Tubular Tangent and Guyed V-tube Tangent

Figure 2.1-23: 600kV Guyed Monopole Tangent and Guyed Chainette Tangent

Figure 2.1-24: 600kV Guyed Mast Lattice Tangent and Guyed V-lattice Tangent

Figure 2.1-25: 600kV Lattice Crossing Structure

Figure 2.1-26: AC Collection System Routes

Figure 2.1-27: AC ROW Limits

Figure 2.1-28: Typical Access Roads

Figure 2.1-29: HVDC Transmission Line Construction Sequence

Figure 2.1-30: Conductor and Ground-wire Stringing Activities

Figure 2.1-31: Multi-use Construction Yard

Figure 2.1-32: Regeneration Station

Chapter 3

Chapter 3 figures include maps depicting the spatial data that DOE used to describe the affected environment and identify potential impacts associated with the Project features such as the HVDC Applicant Proposed Route and HVDC alternative routes, converter station siting areas, AC interconnection areas, wind development zones, and the AC collection system.

Data are mapped at varying scales and extents in the Chapter 3, based on the spatial distribution of the data and the appropriate scale to represent the level of accuracy of the data. The extents to which the data is mapped are dependent upon data availability and requirements to adequately depict the affected environment and potential impacts. Data are generally mapped beyond the Region of Influence (ROI) to provide a larger regional context; data mapped beyond the ROI may not be described in Chapter 3.

Figure 3.2-1a through Figure 3.2-1f: Cropland

Figure 3.3-1: Air Quality Monitoring Stations

Figure 3.5-1a through Figure 3.5-1f: Low-income Populations

Figure 3.6-1: Shale Plays

Figure 3.6-2: Seismic Hazards

Figure 3.6-3: Landslide Incidence & Susceptibility

Figure 3.6-4: Karst Areas

Figure 3.6-5: Liquefaction Susceptibility

Figure 3.6-6a through Figure 3.6-6f: Mineral Resources

Figure 3.6-7a through Figure 3.6-7f: Prime Farmland

Figure 3.6-8: Major Land Resource Areas

Figure 3.6-9a through Figure 3.6-9f: Restrictive Layer Depth

Figure 3.6-10a through Figure 3.6-10f: EPA Sites

Figure 3.7-1: Major and Principal Aquifers

Figure 3.9-1: National Register of Historic Places

Figure 3.10-1a through Figure 3.10-1f: Jurisdiction

Figure 3.10-2a through Figure 3.10-2f: Existing Structures and Infrastructure

Figure 3.10-3a through Figure 3.10-3f: Land Cover

Figure 3.10-4a through Figure 3.10-4f: Communications Structures

Figure 3.14-1a through Figure 3.14-1b: Lesser Prairie-chicken Habitat

Figure 3.14-2: Whooping Crane Migration Corridor

Figure 3.14-3: Critical Habitat

Figure 3.15-1a through Figure 3.15-1f: Watersheds

Figure 3.15-2a through Figure 3.15-2f: Surface Water

Figure 3.16-1a through Figure 3.16-1f: Transportation Resources

Figure 3.17-1a through Figure 3.17-1f: Level III Ecoregions

Figure 3.18-1: Overall Visual Assessment Process

Figure 3.18-2: Visual Resources Inventory Process

Figure 3.18-3a through Figure 3.18-3f: Landscape Category/Key Observation Points

Figure 3.18-4: Visual Resources Impact Assessment Process

Chapter 4

Chapter 4 figures depict the projects that DOE analyzed for cumulative effects at a scale similar to the Chapter 3 figures.

Figure 4.2-1a through Figure 4.2-1f: Present and Reasonably Foreseeable Future Actions

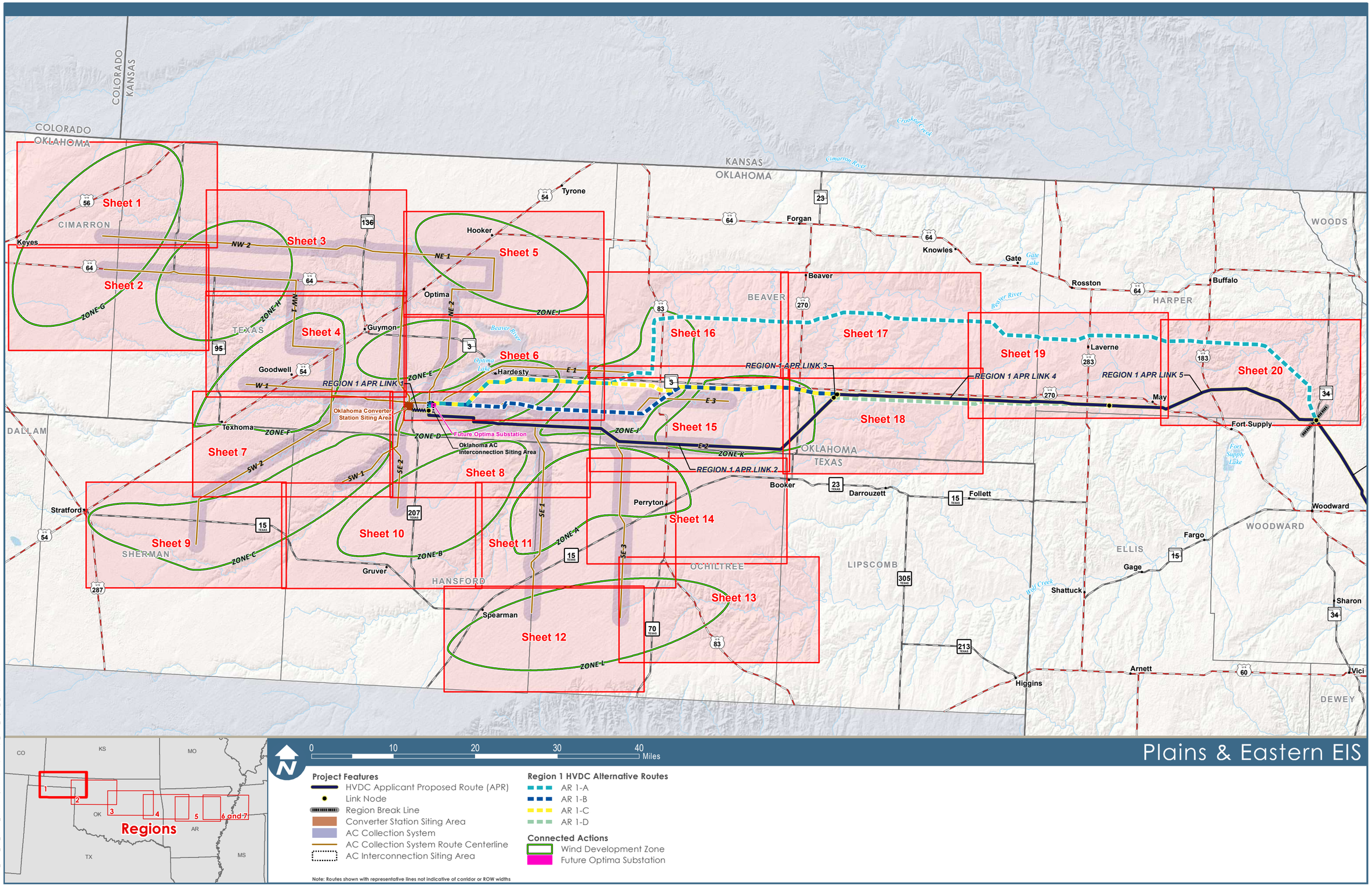
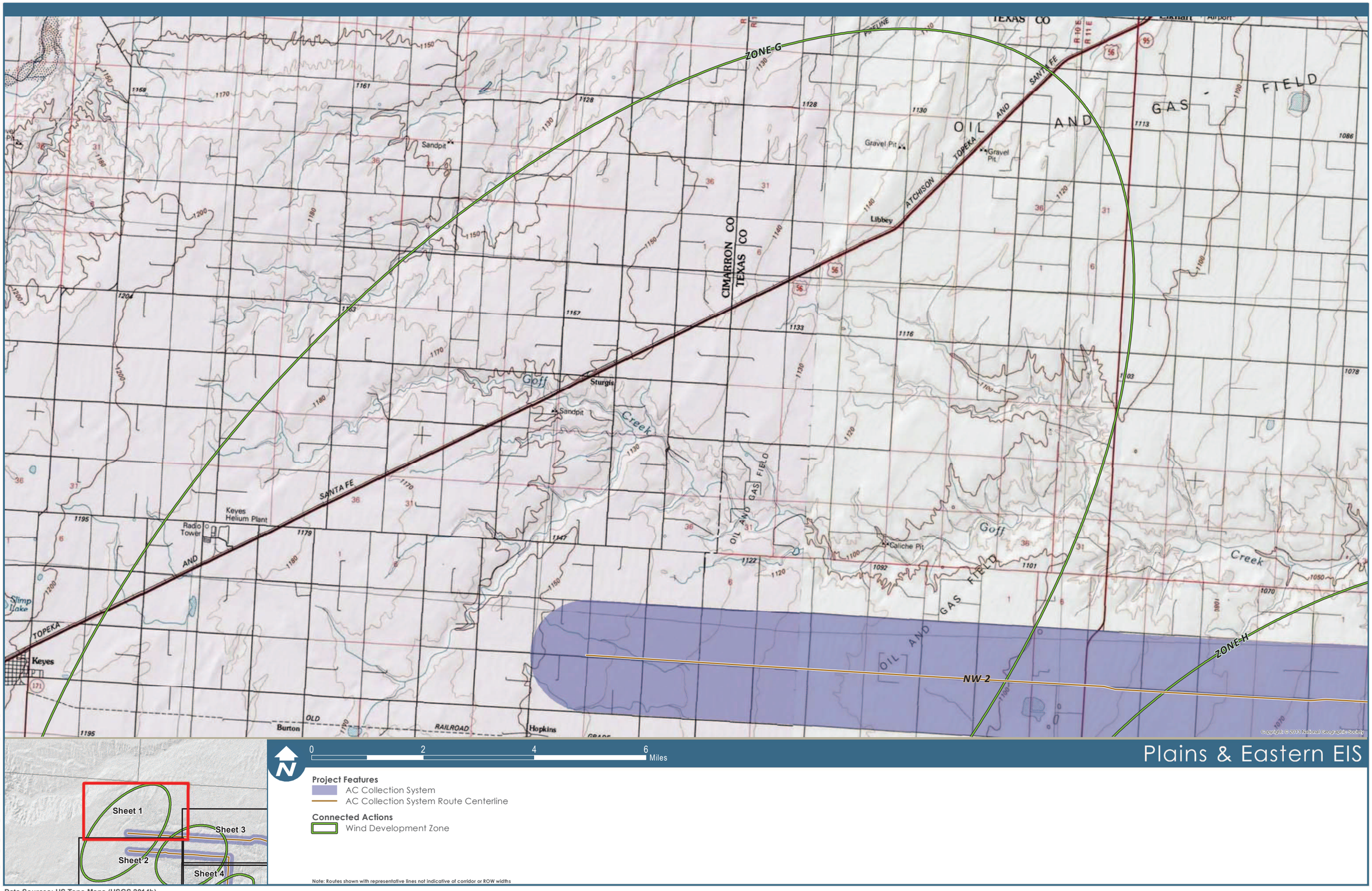


Figure 1.0-1: Topographic Map Index Region 1



Data Sources: US Topo Maps (USGS 2014b)

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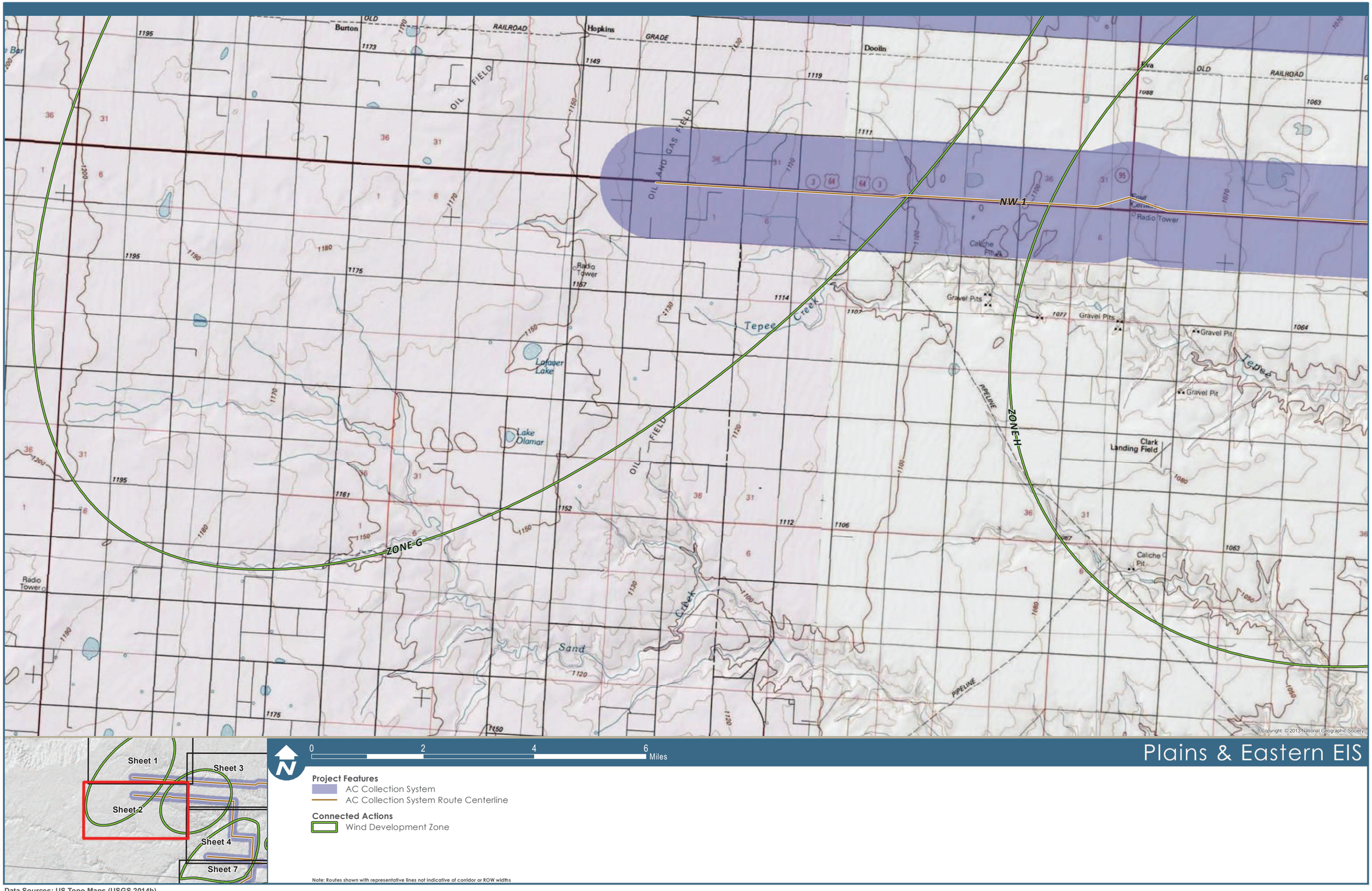
Figure 1.0-1: Topographic Map Region 1, Sheet 1



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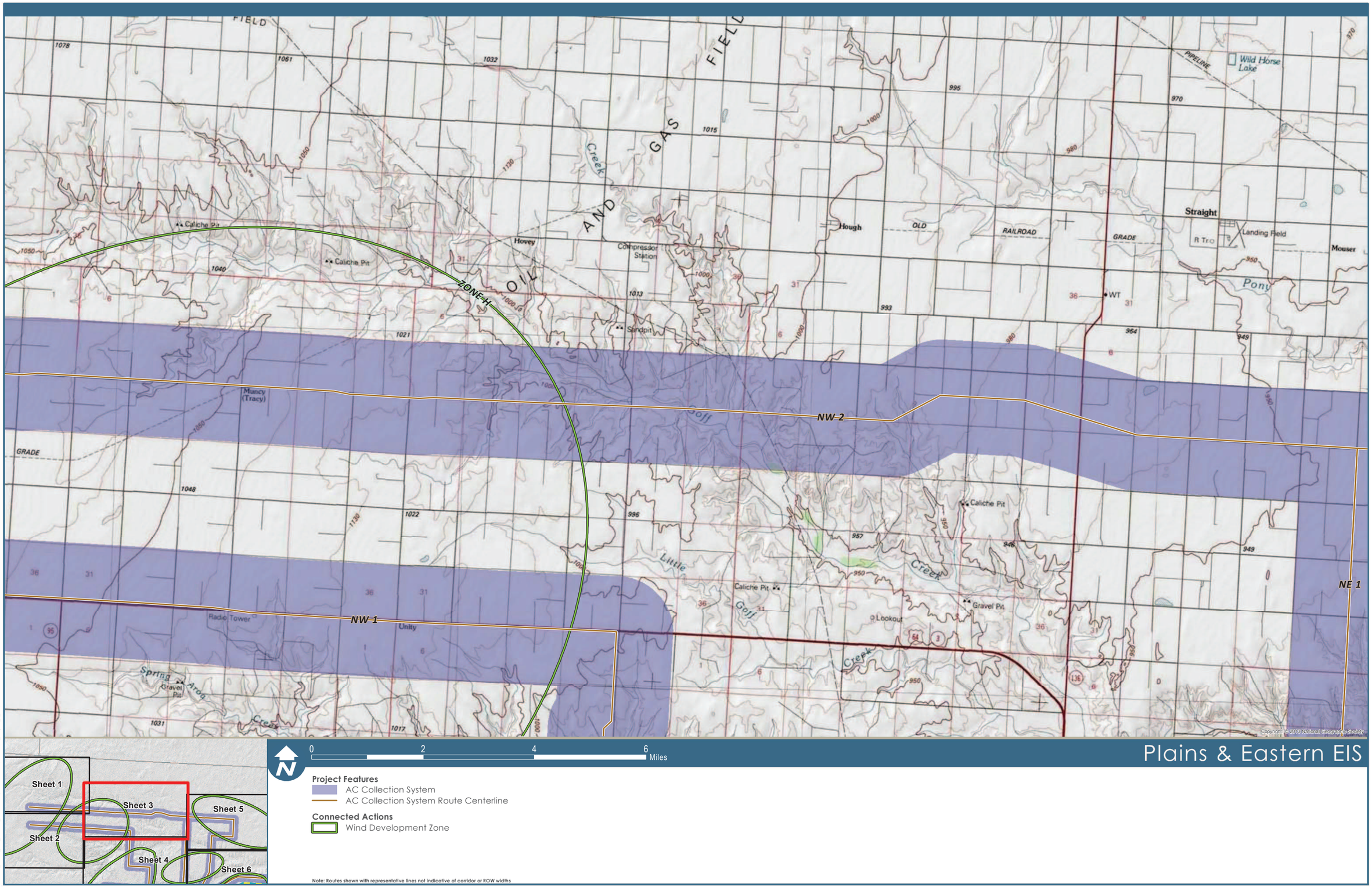

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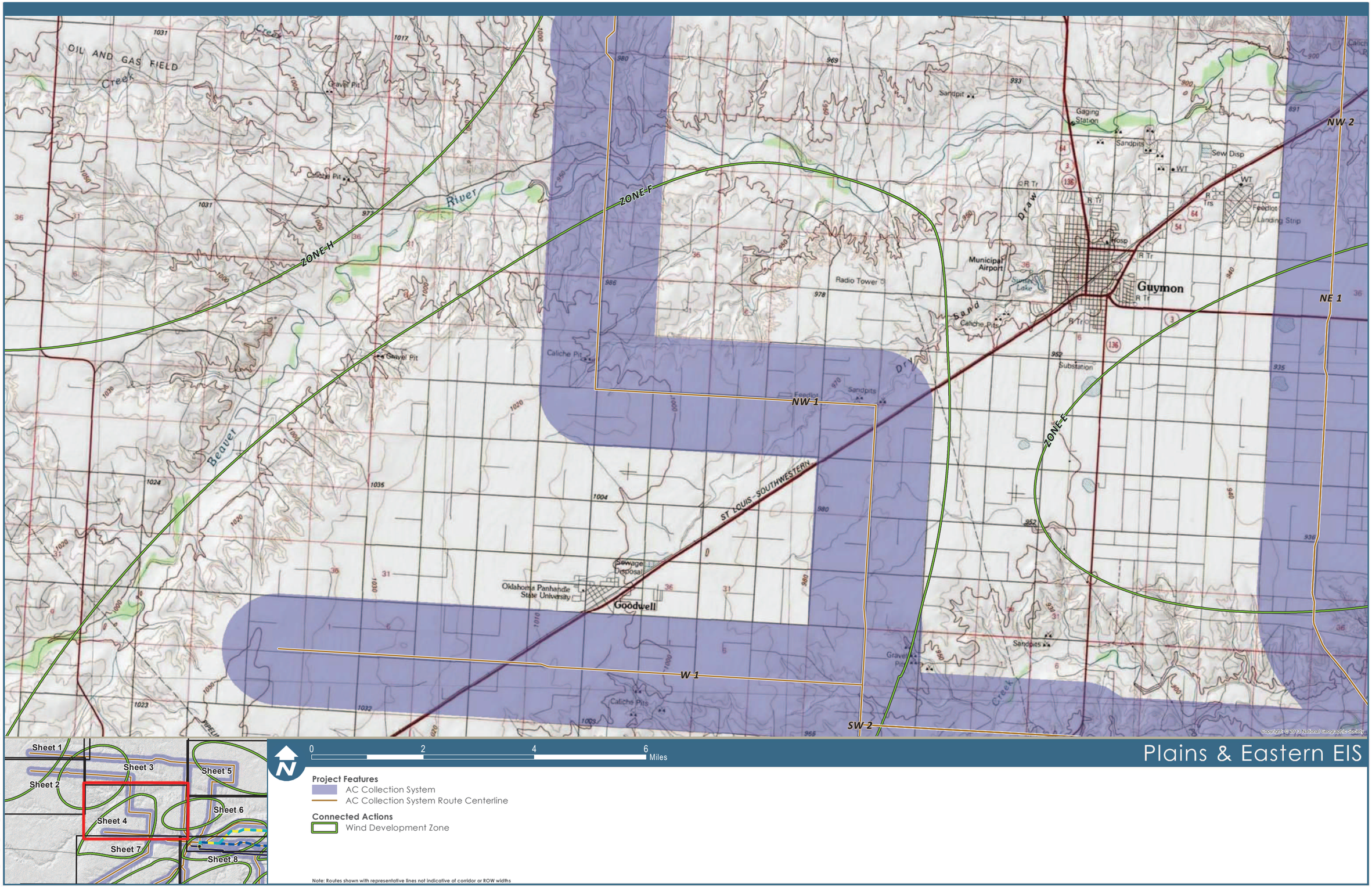

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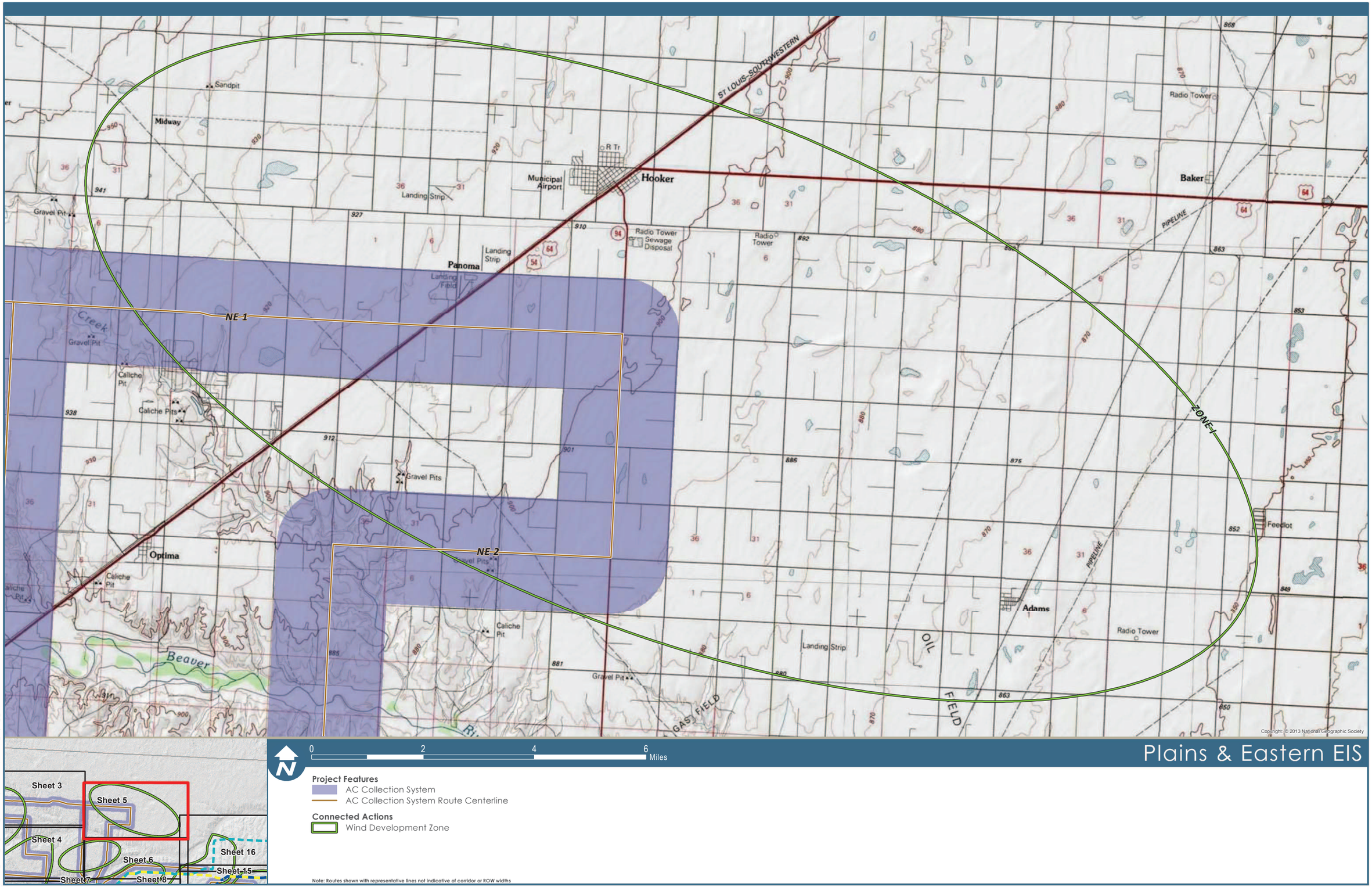

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Data Sources: US Topo Maps (USGS 2014b)

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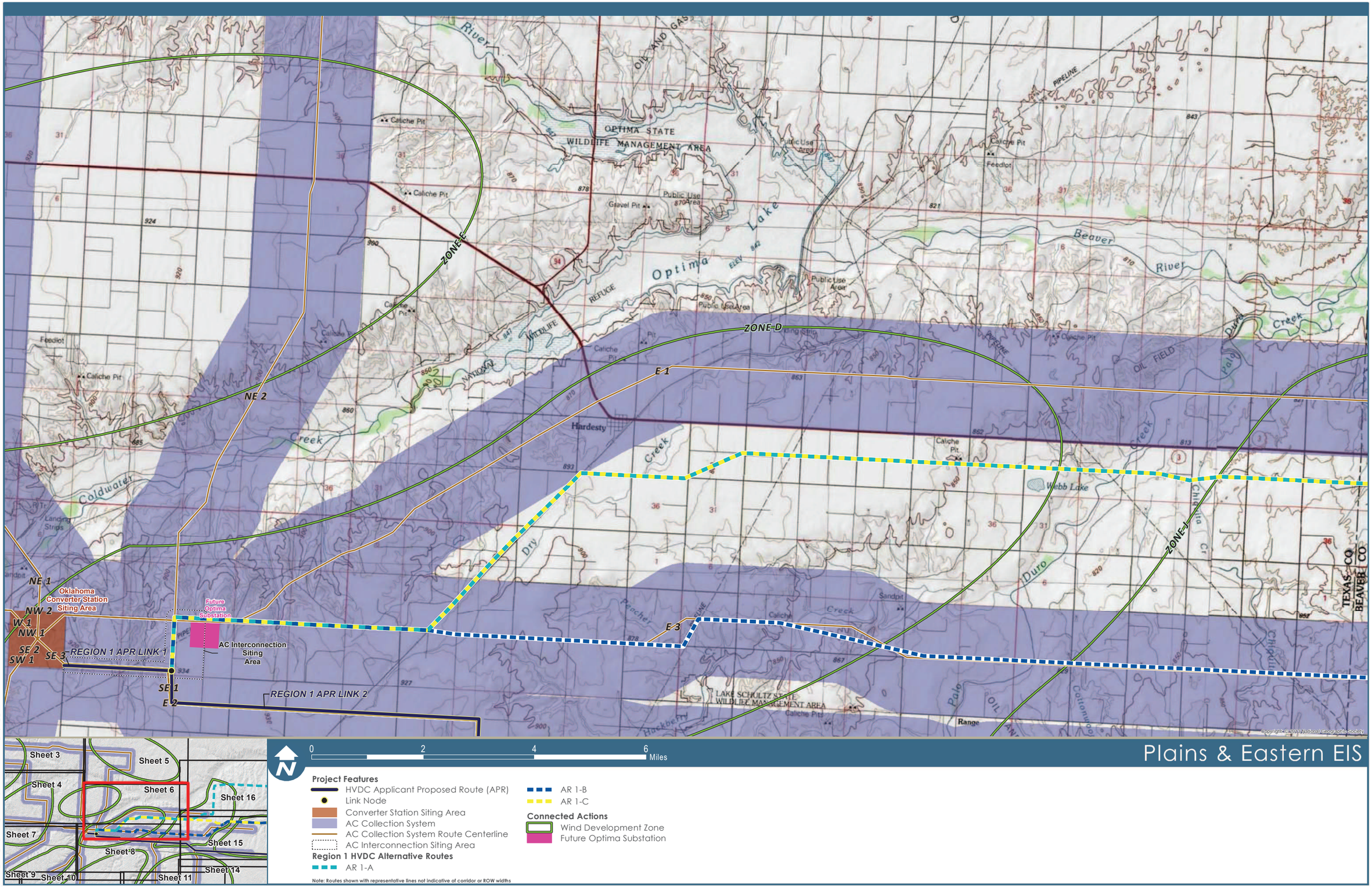

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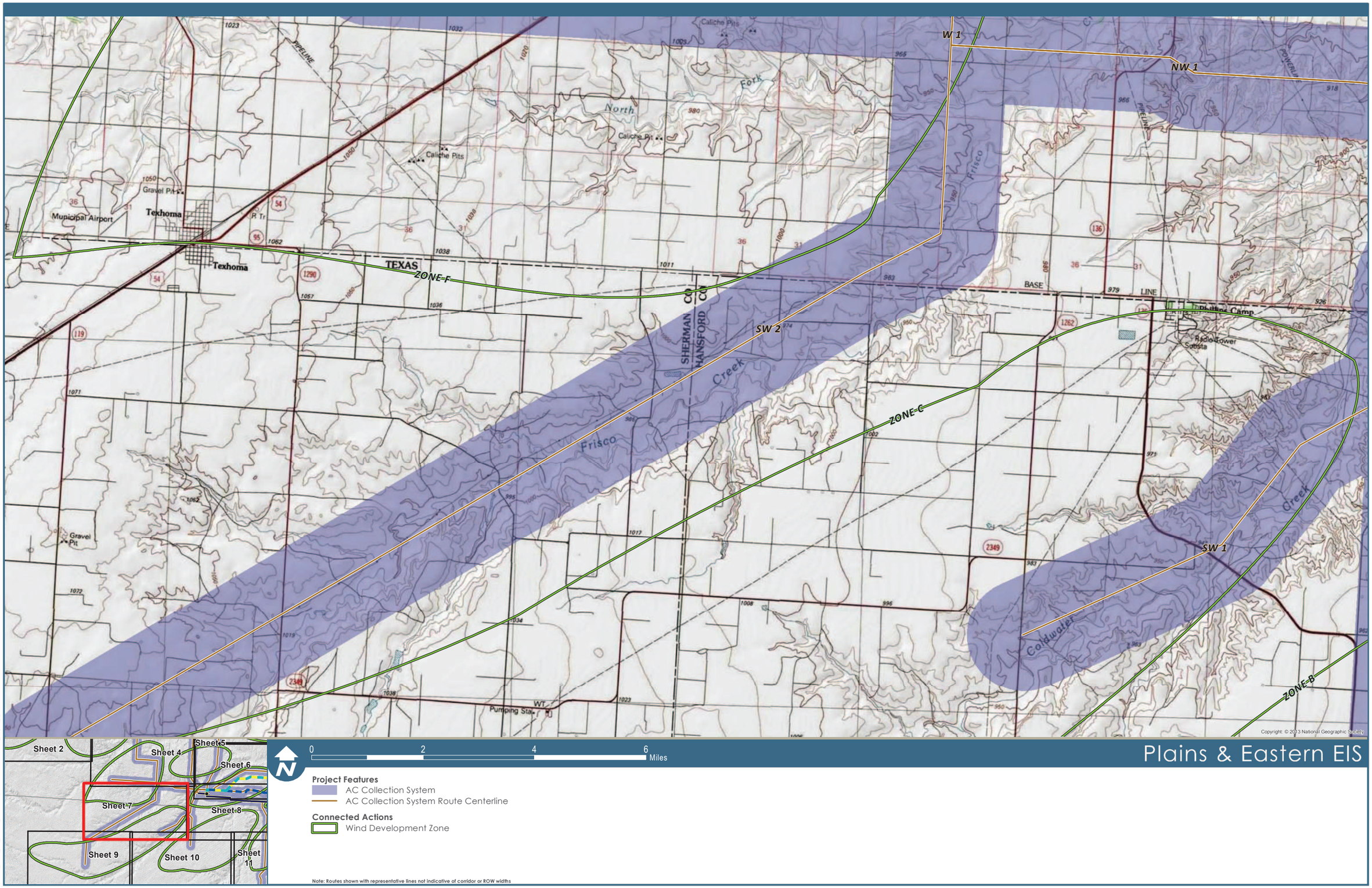

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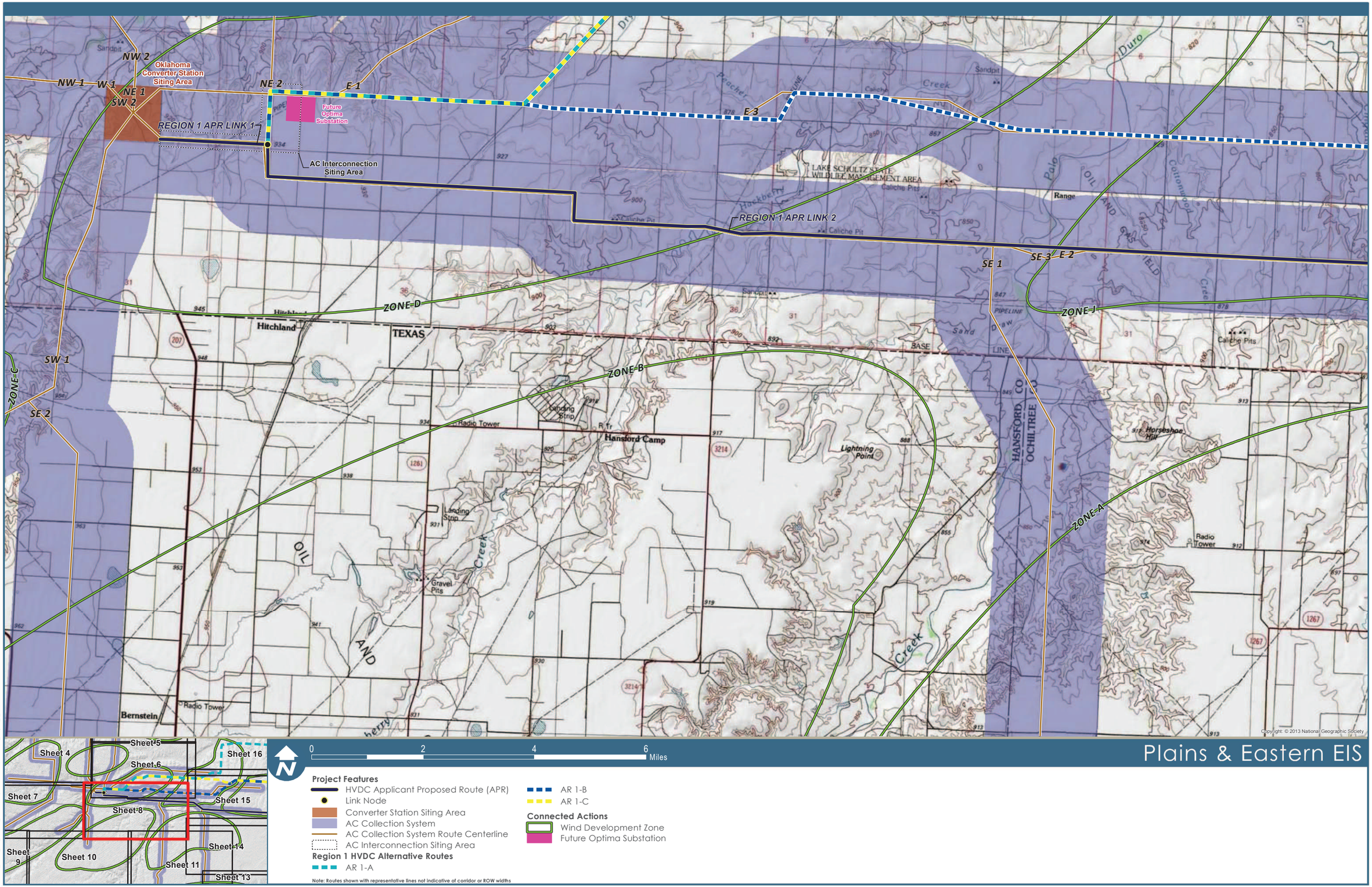

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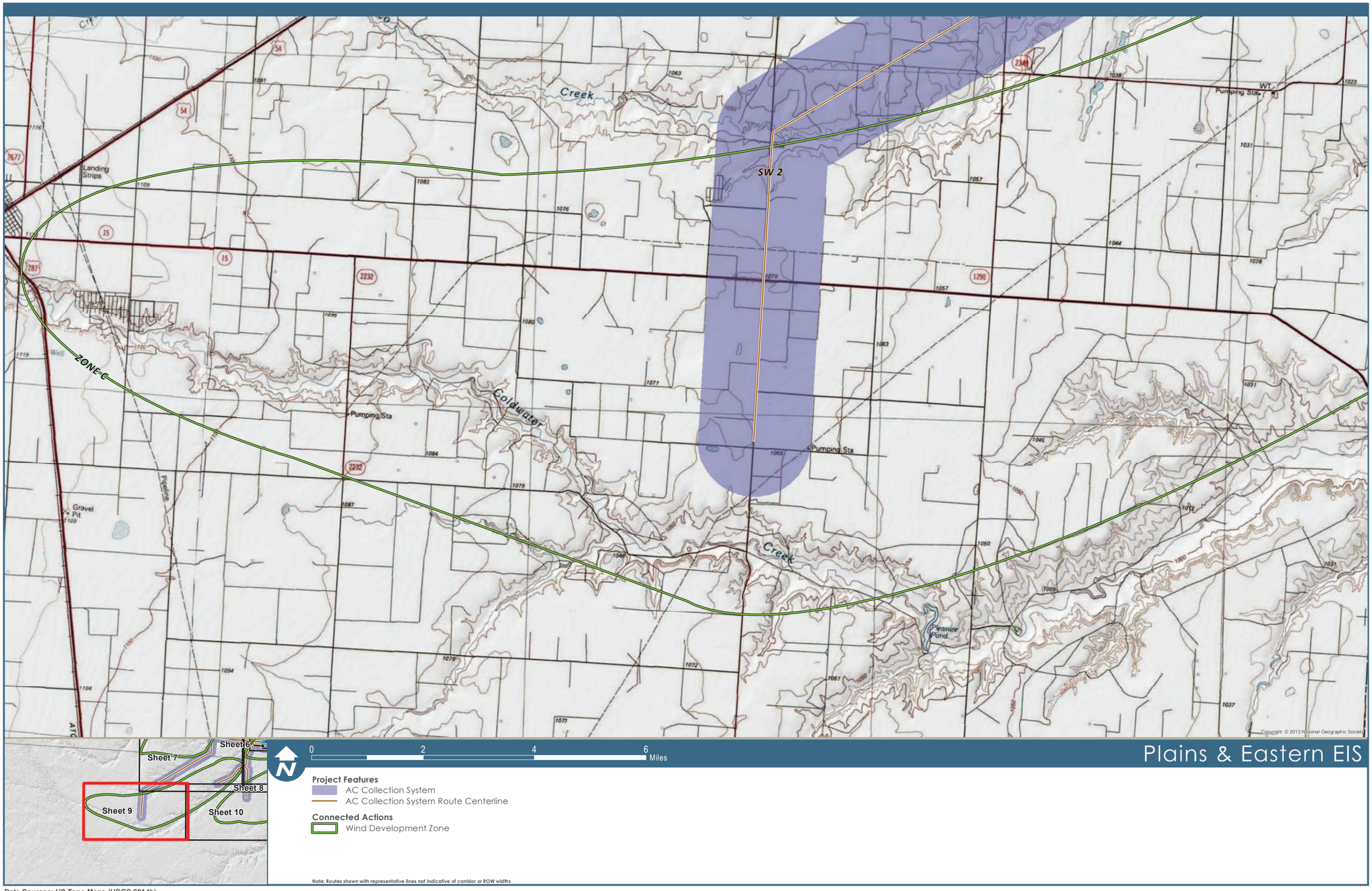

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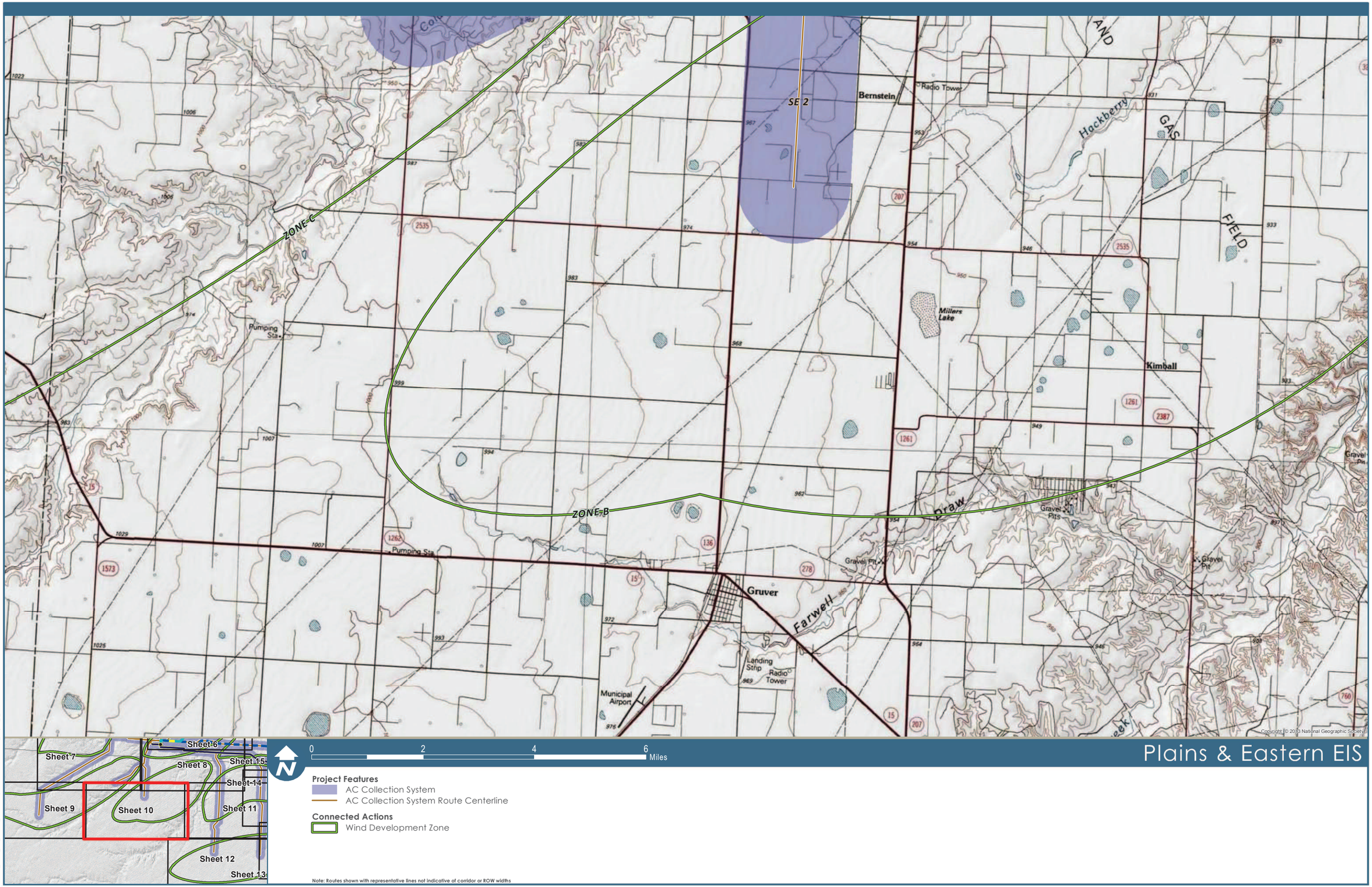

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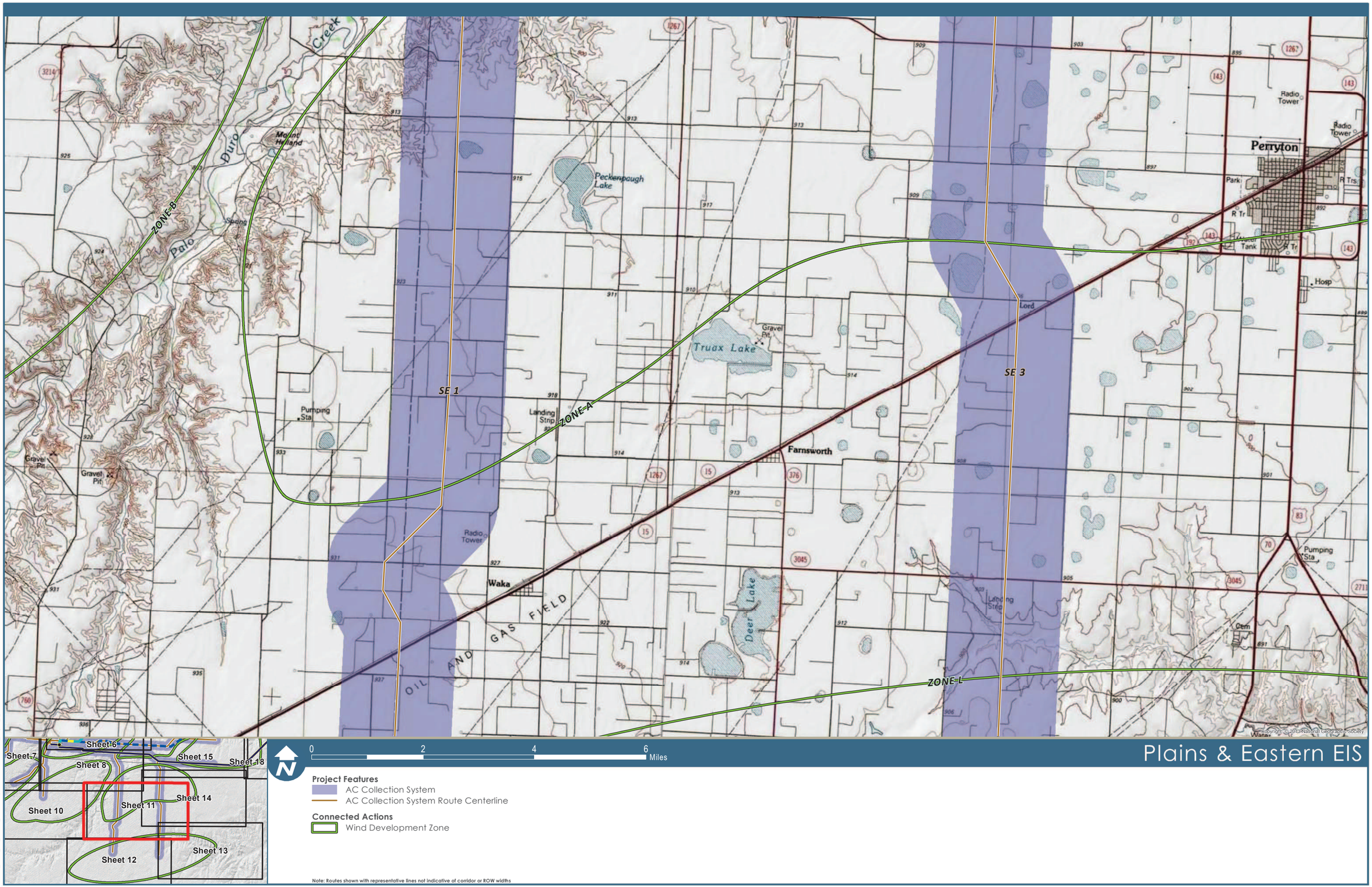

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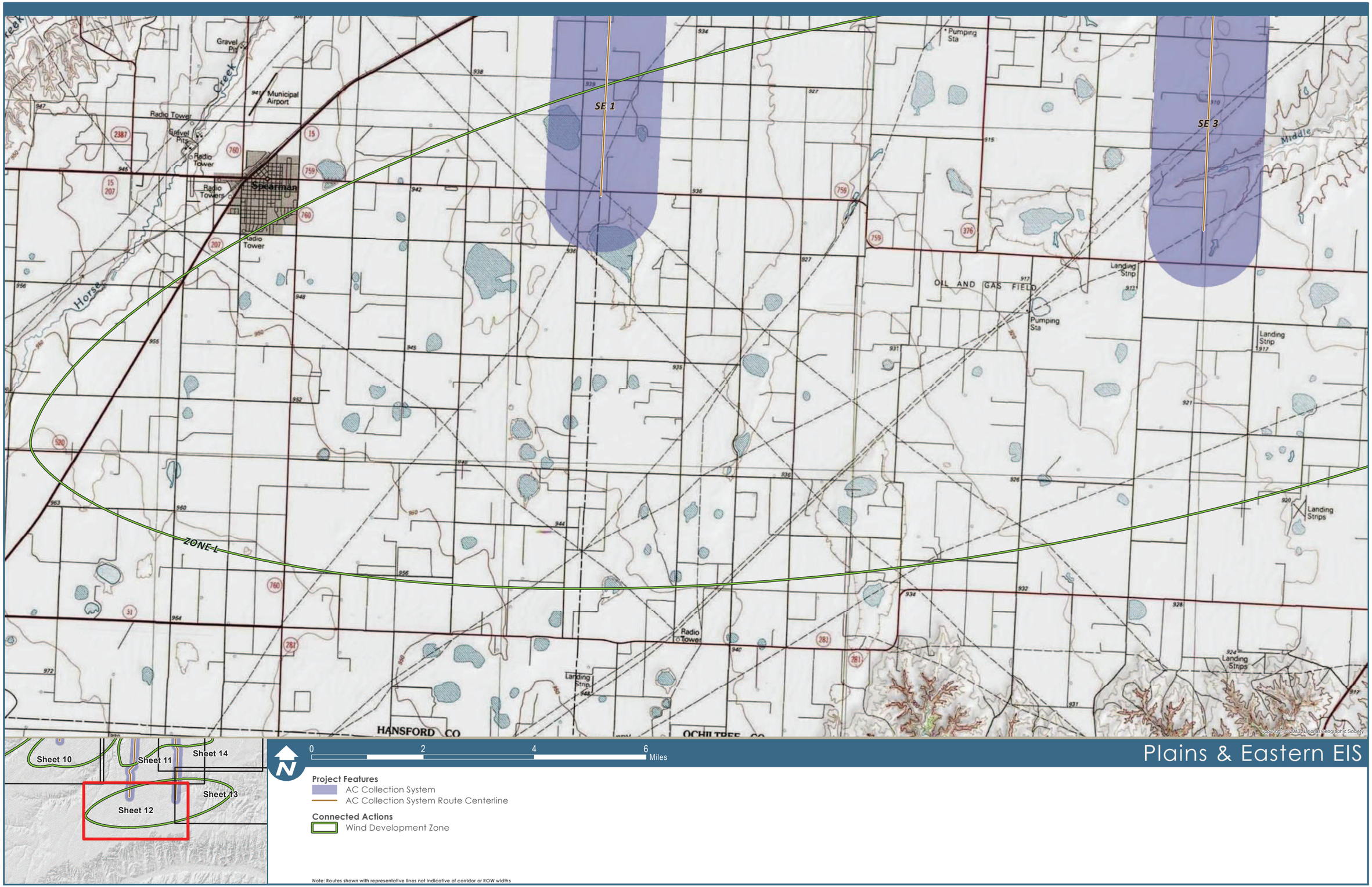

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Data Sources: US Topo Maps (USGS 2014b)

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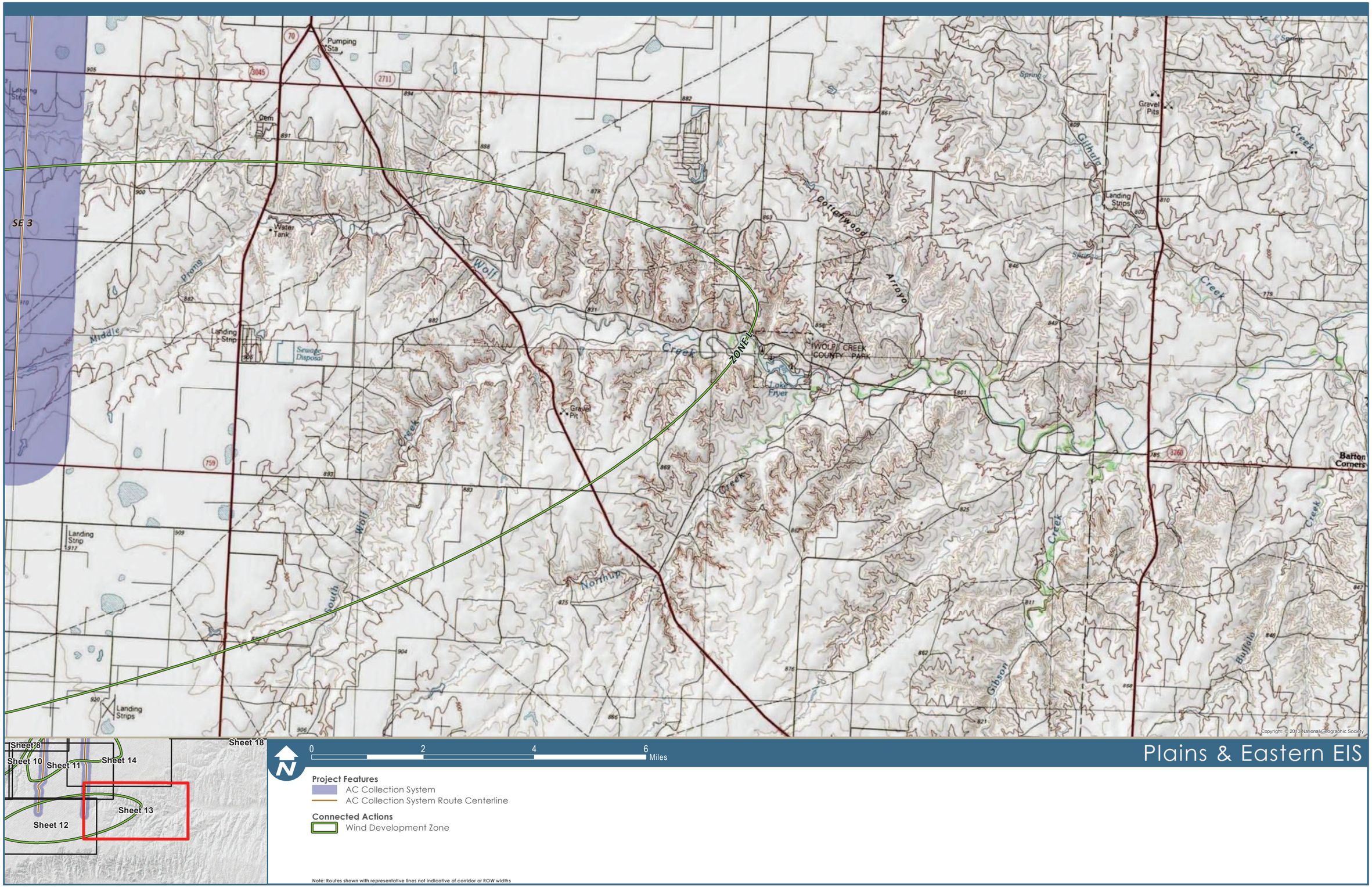

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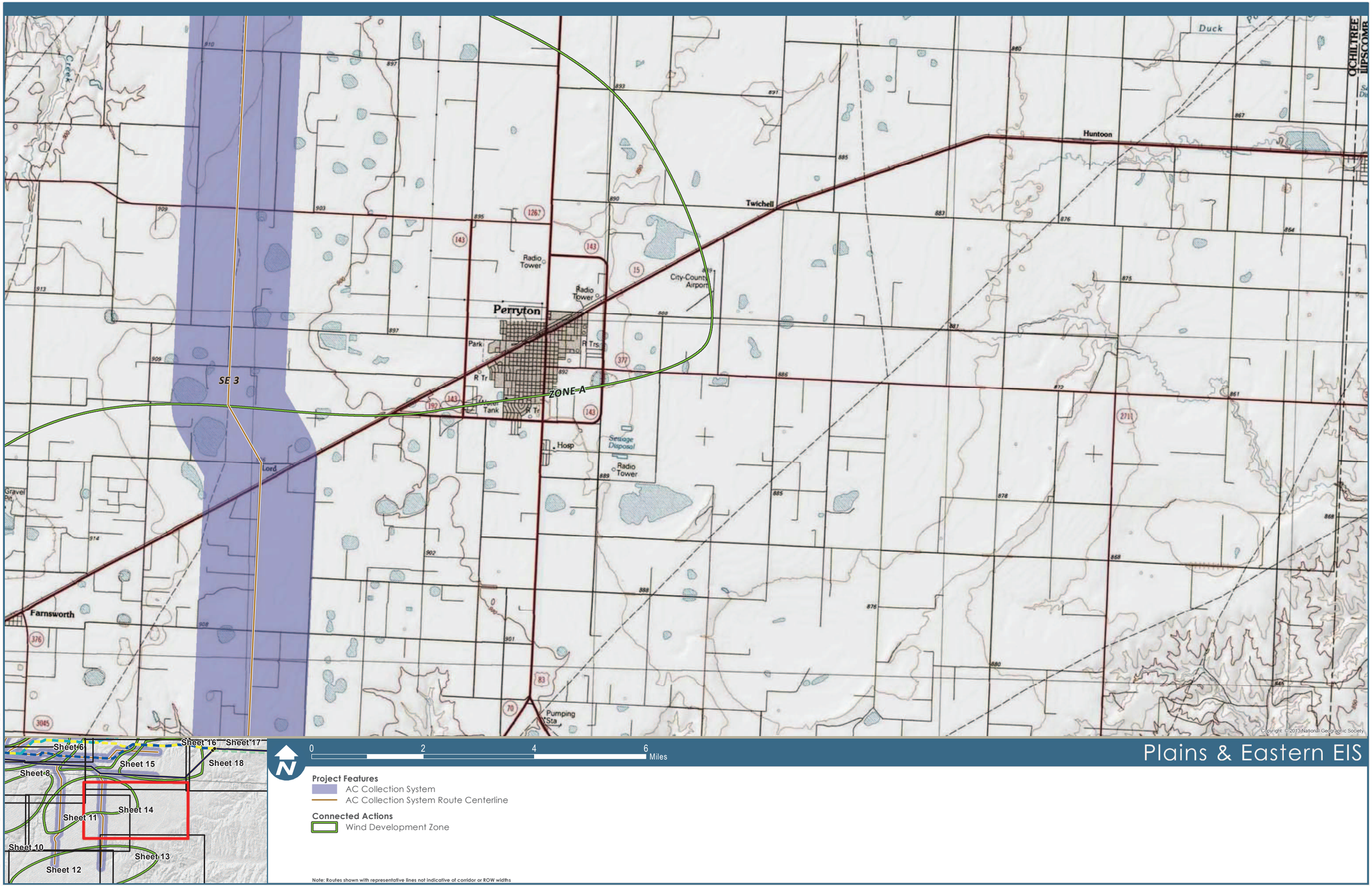

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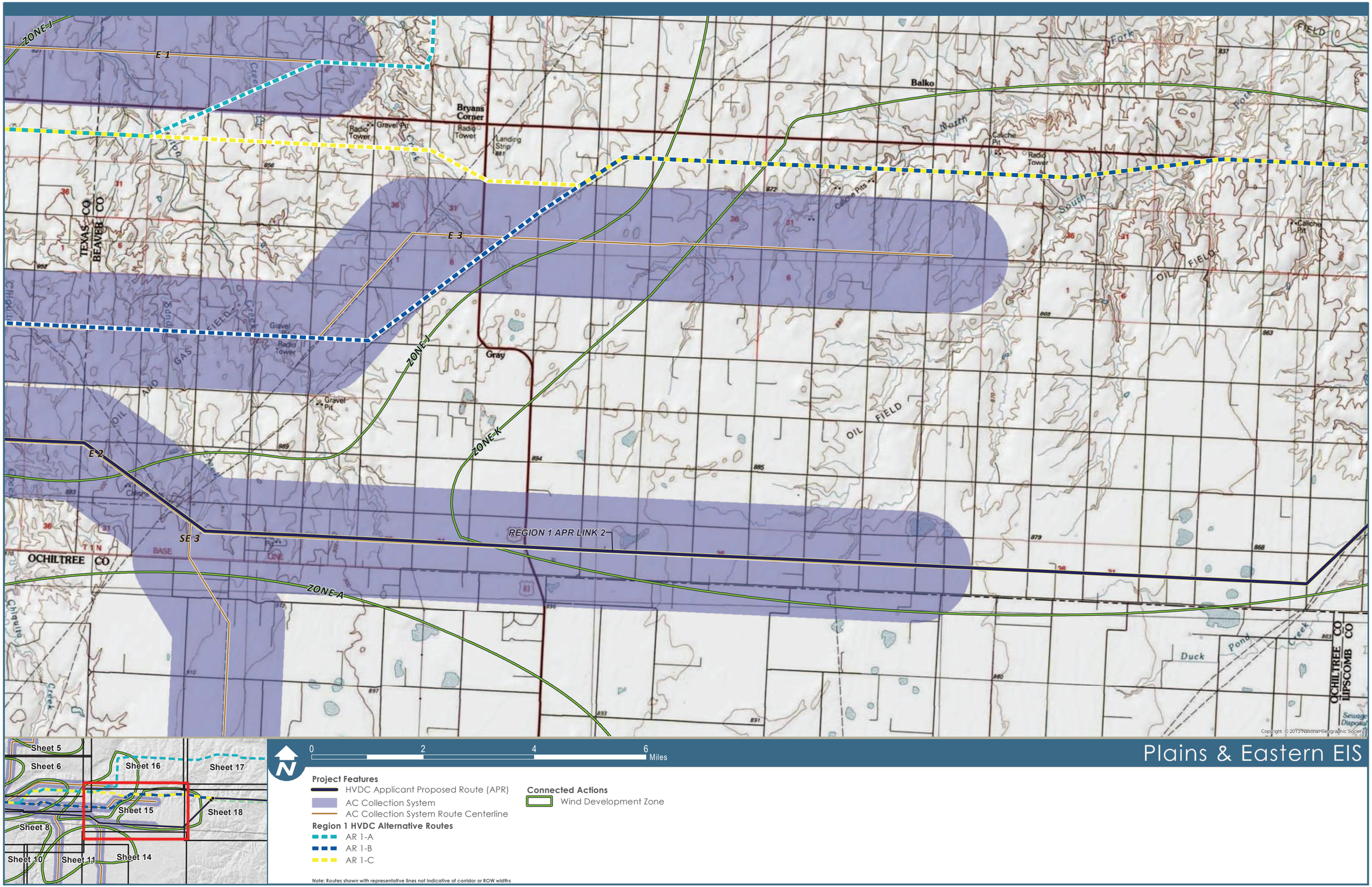

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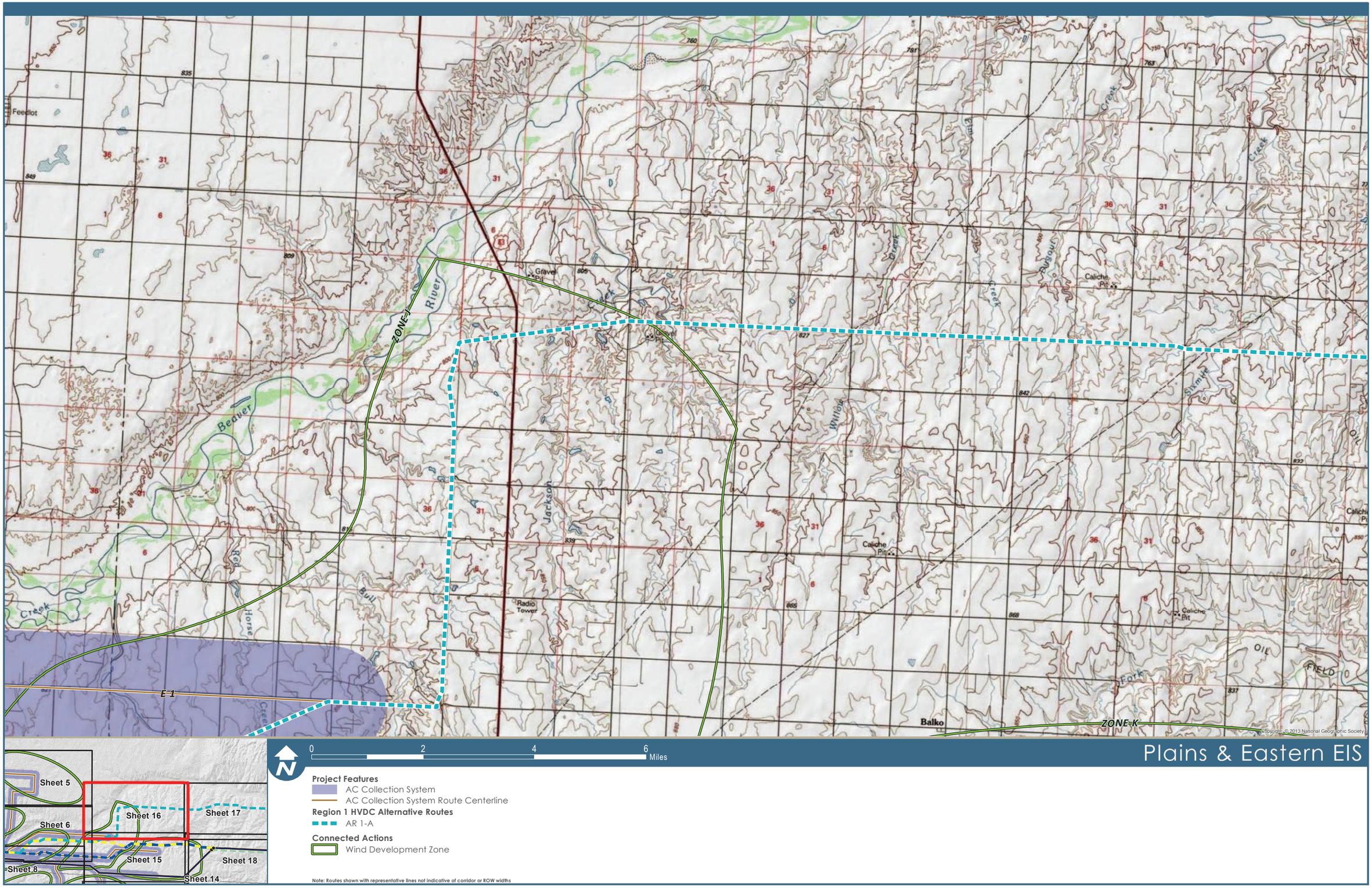

Data Sources: US Topo Maps (USGS 2014b)

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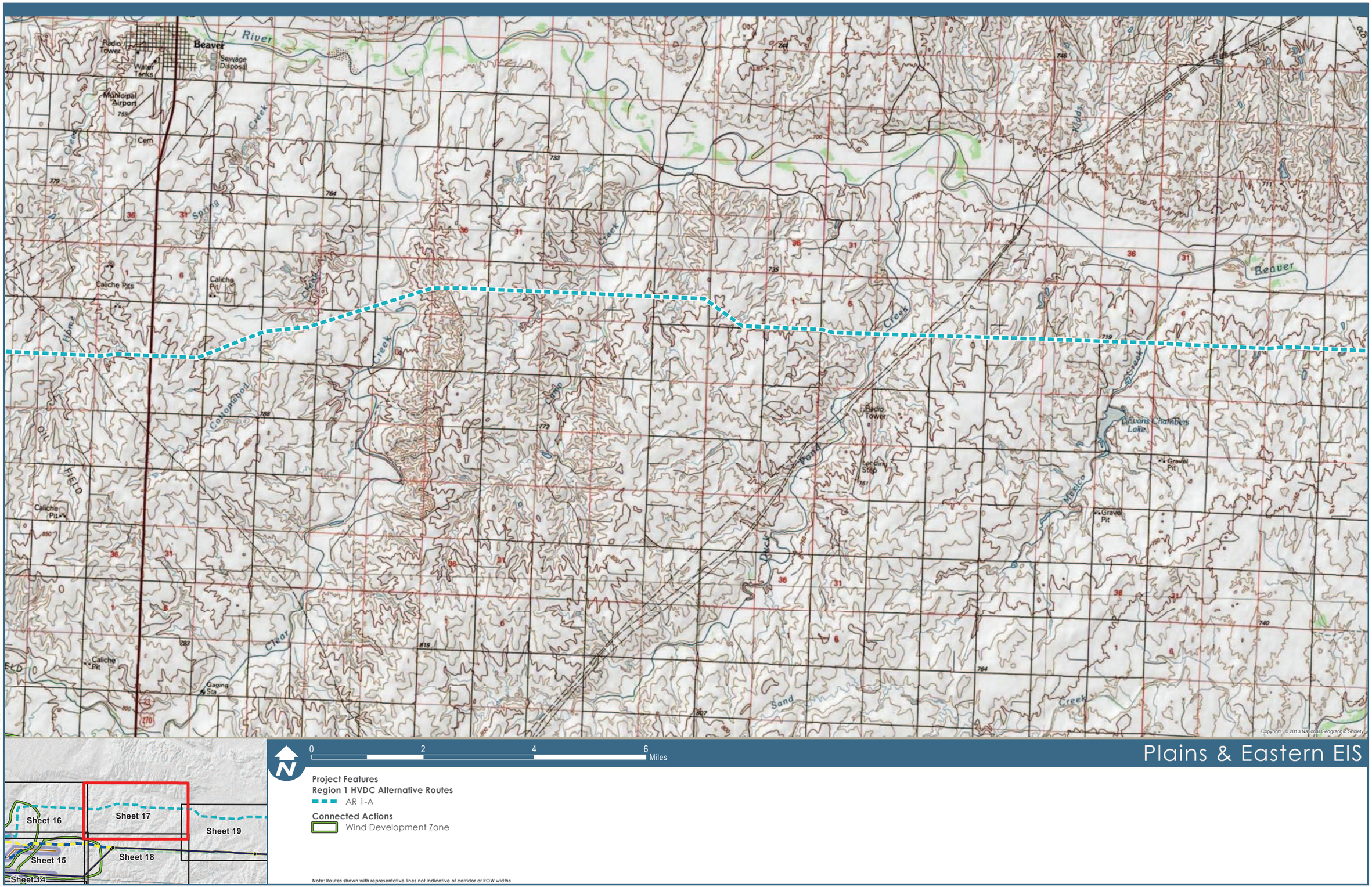

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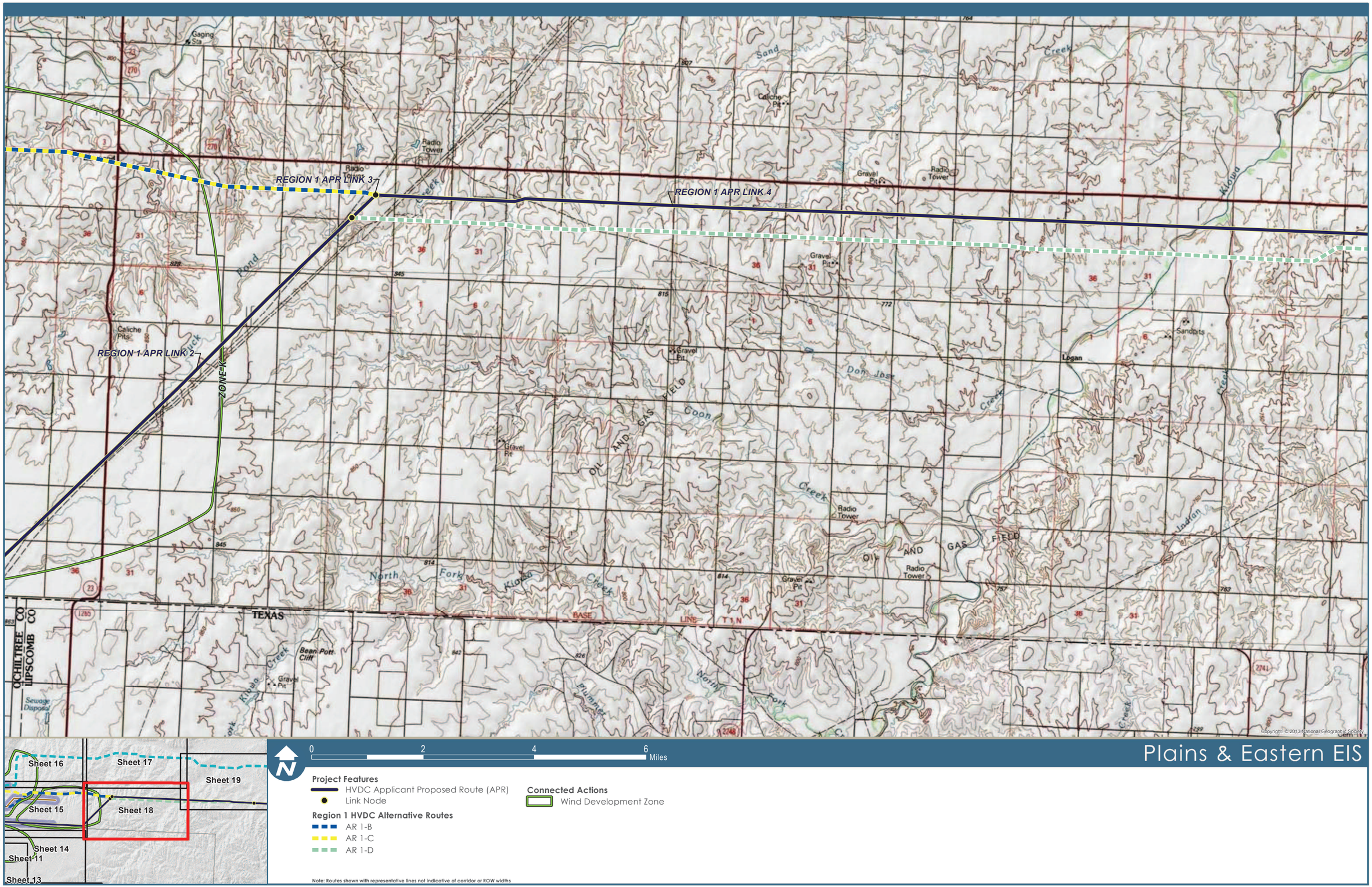

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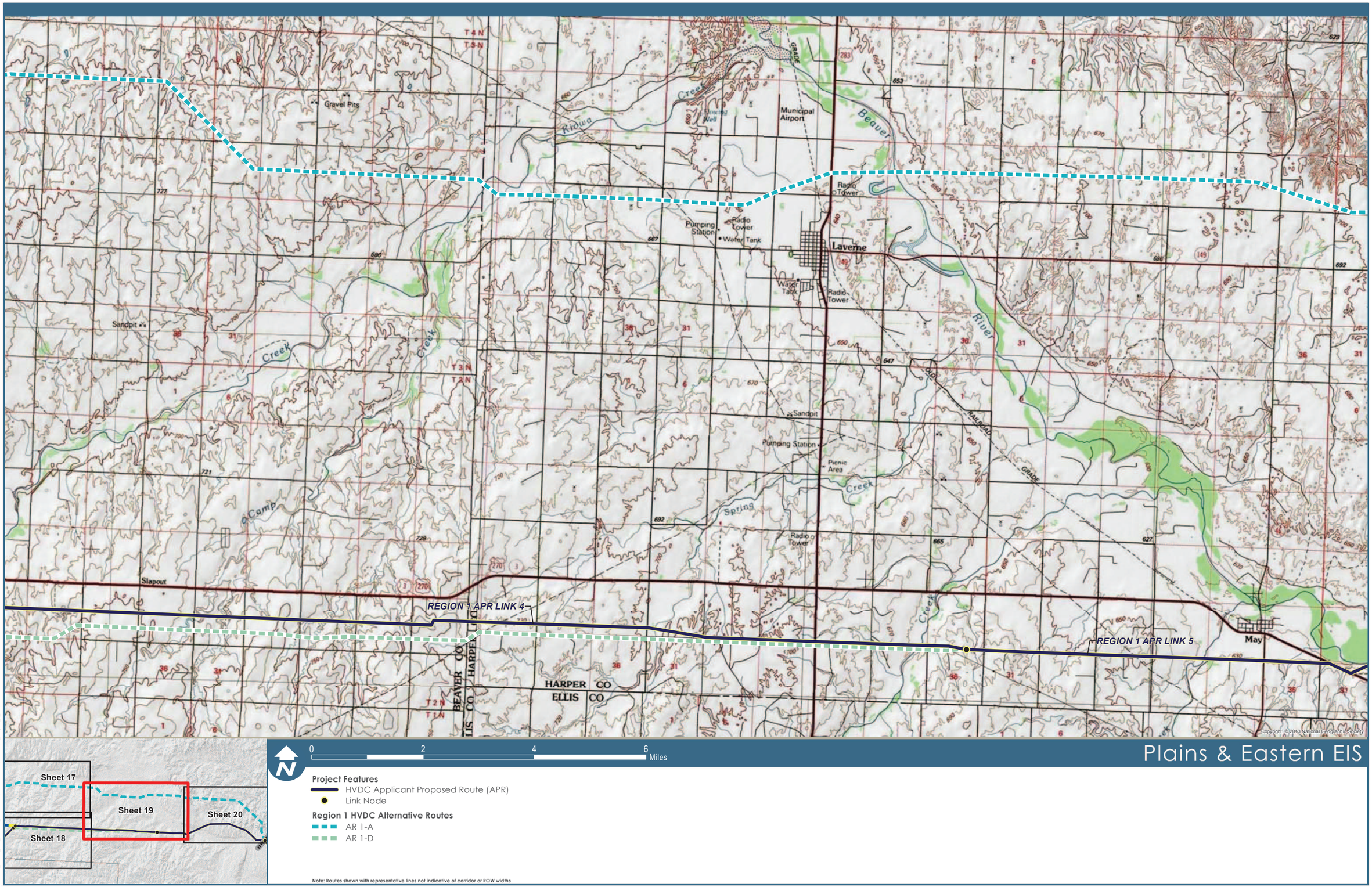

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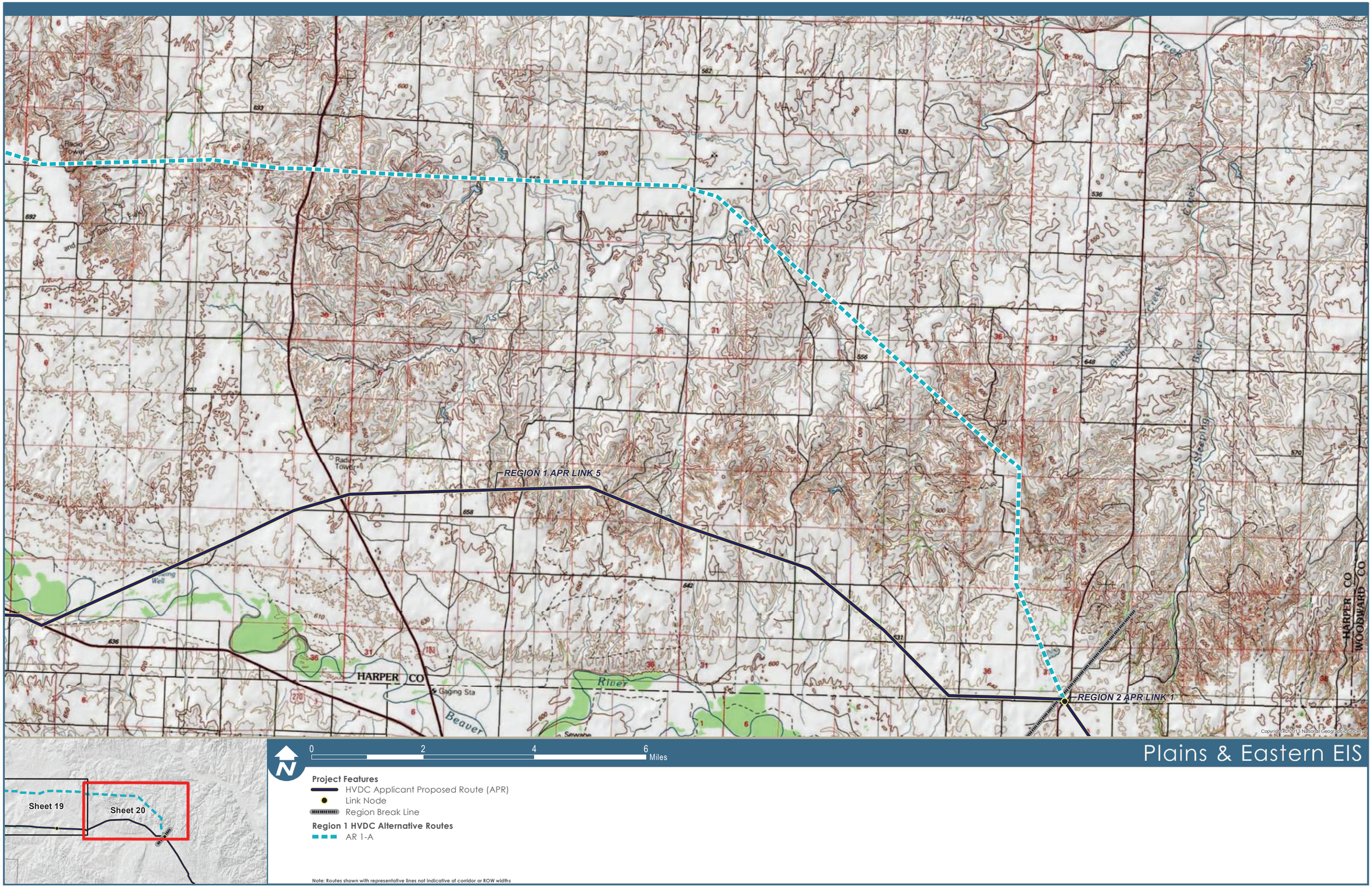

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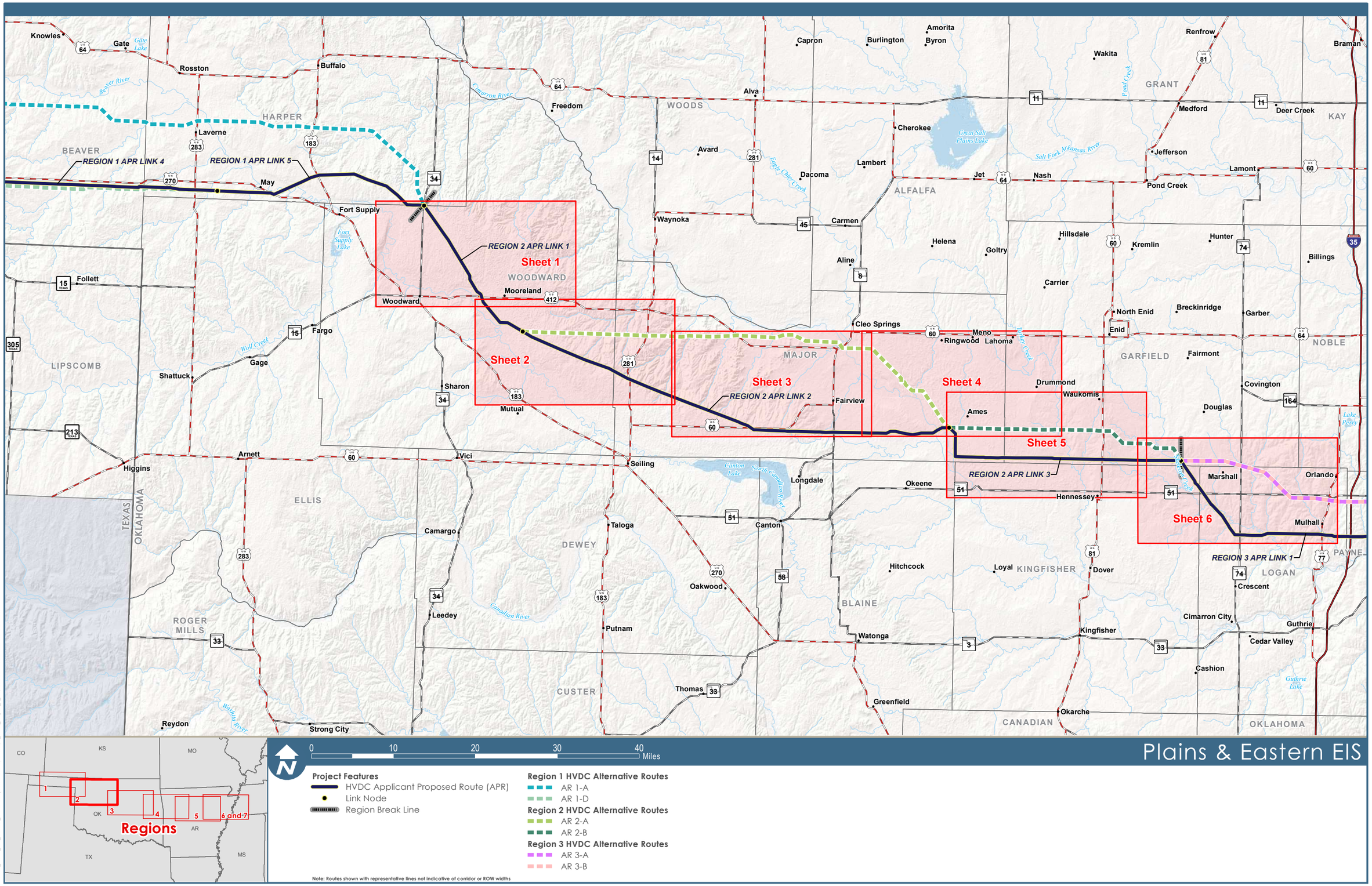
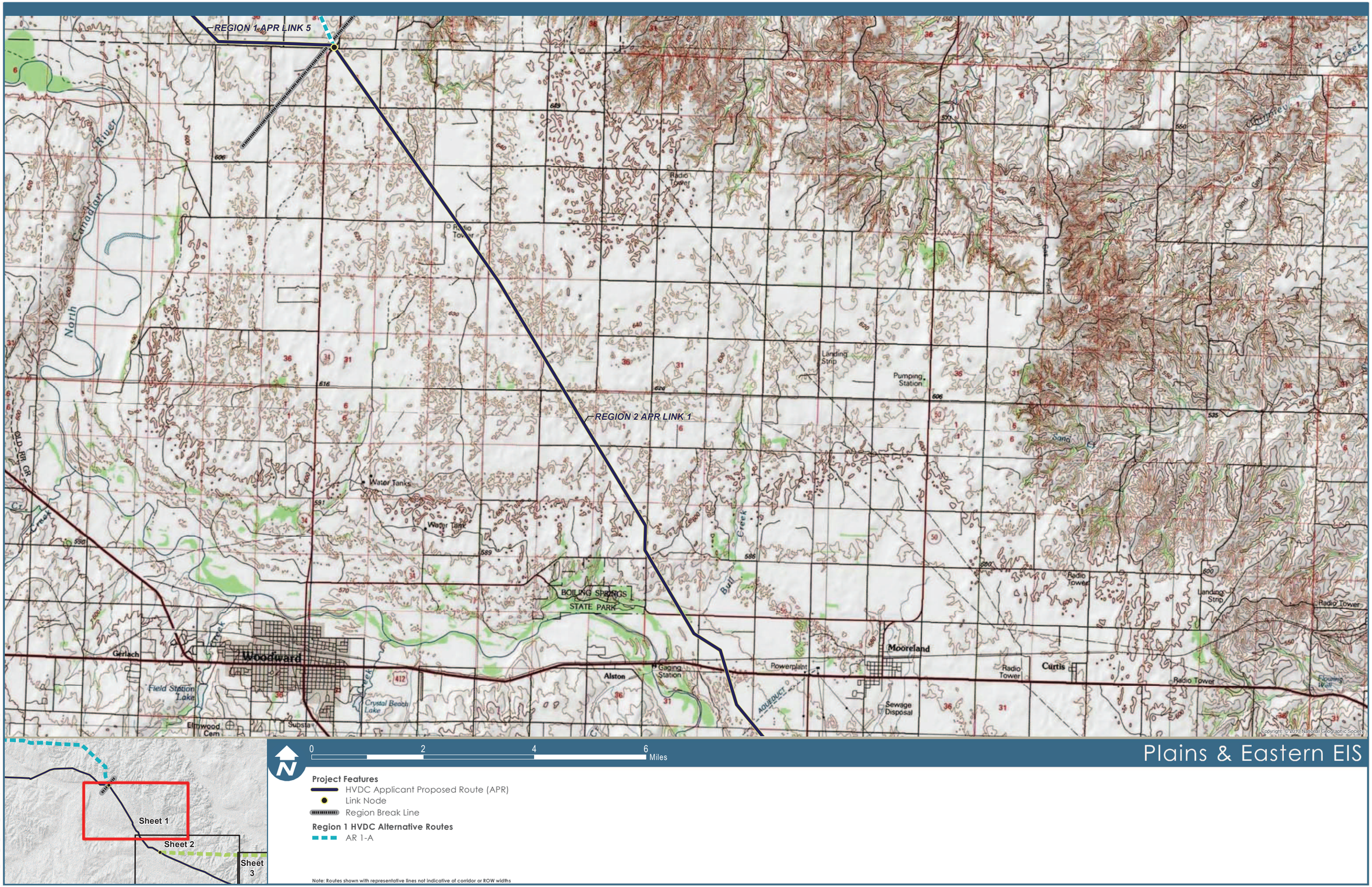


Figure 1.0-1: Topographic Map Index Region 2



Data Sources: US Topo Maps (USGS 2014b)

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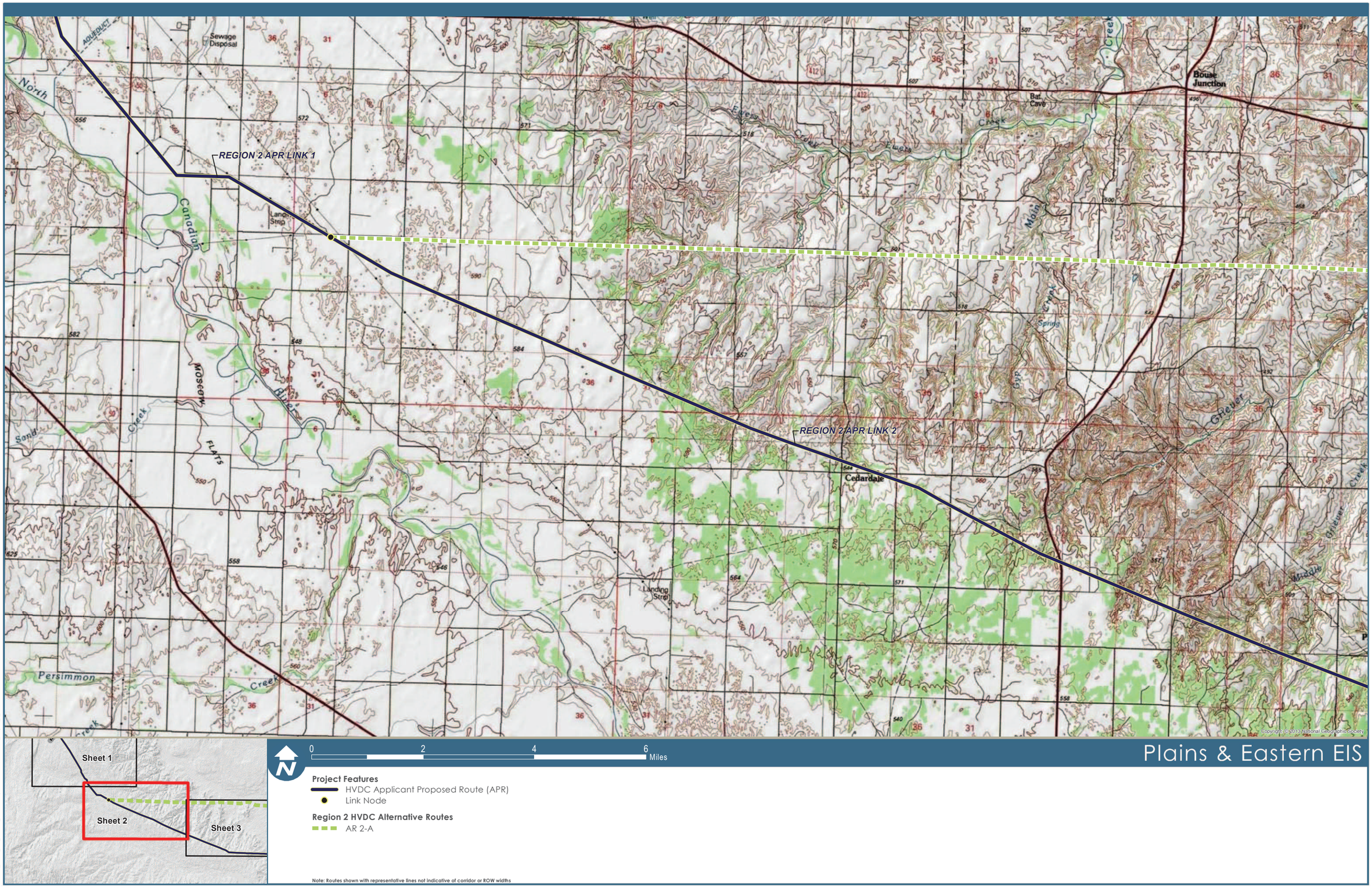

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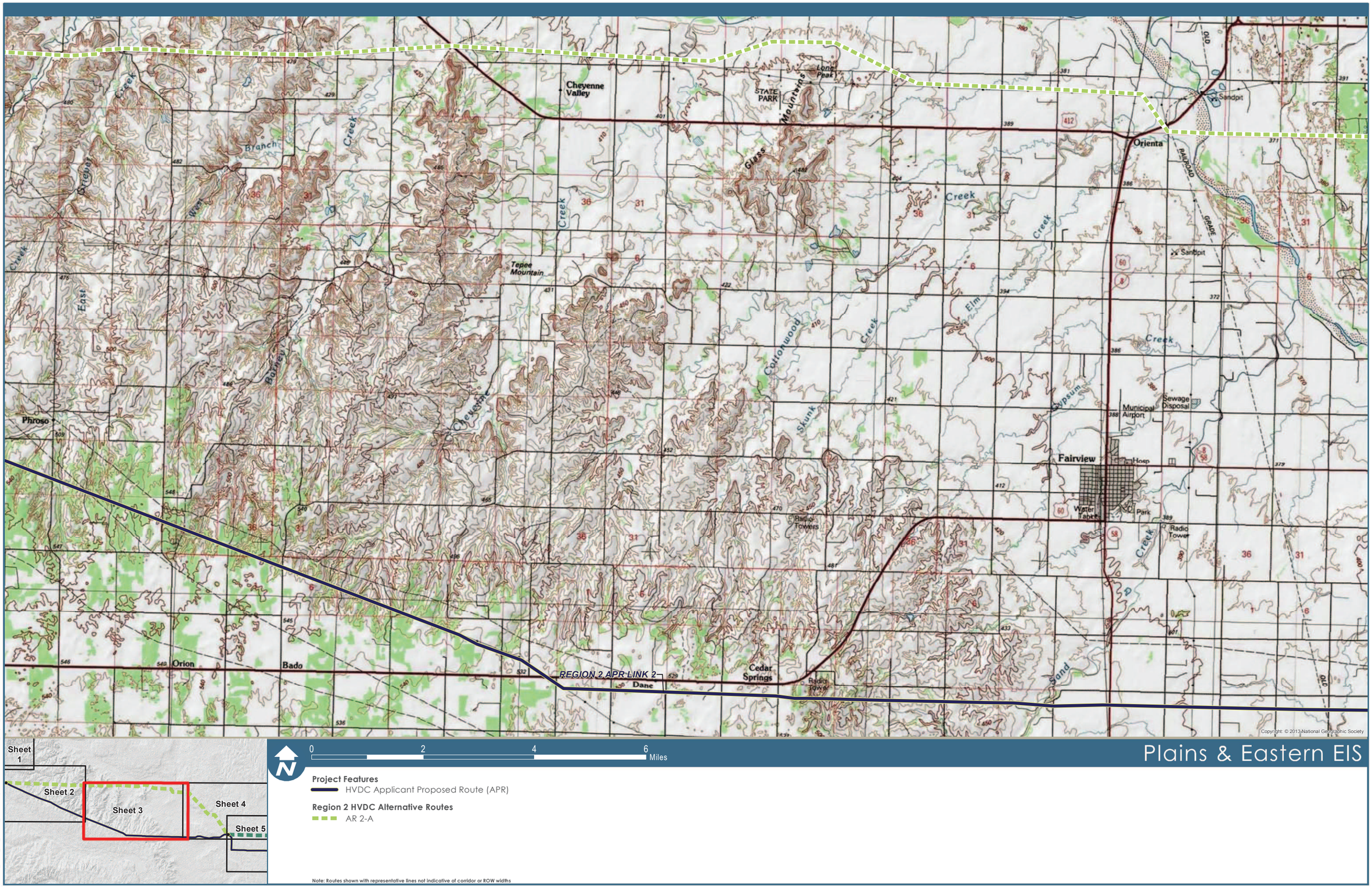

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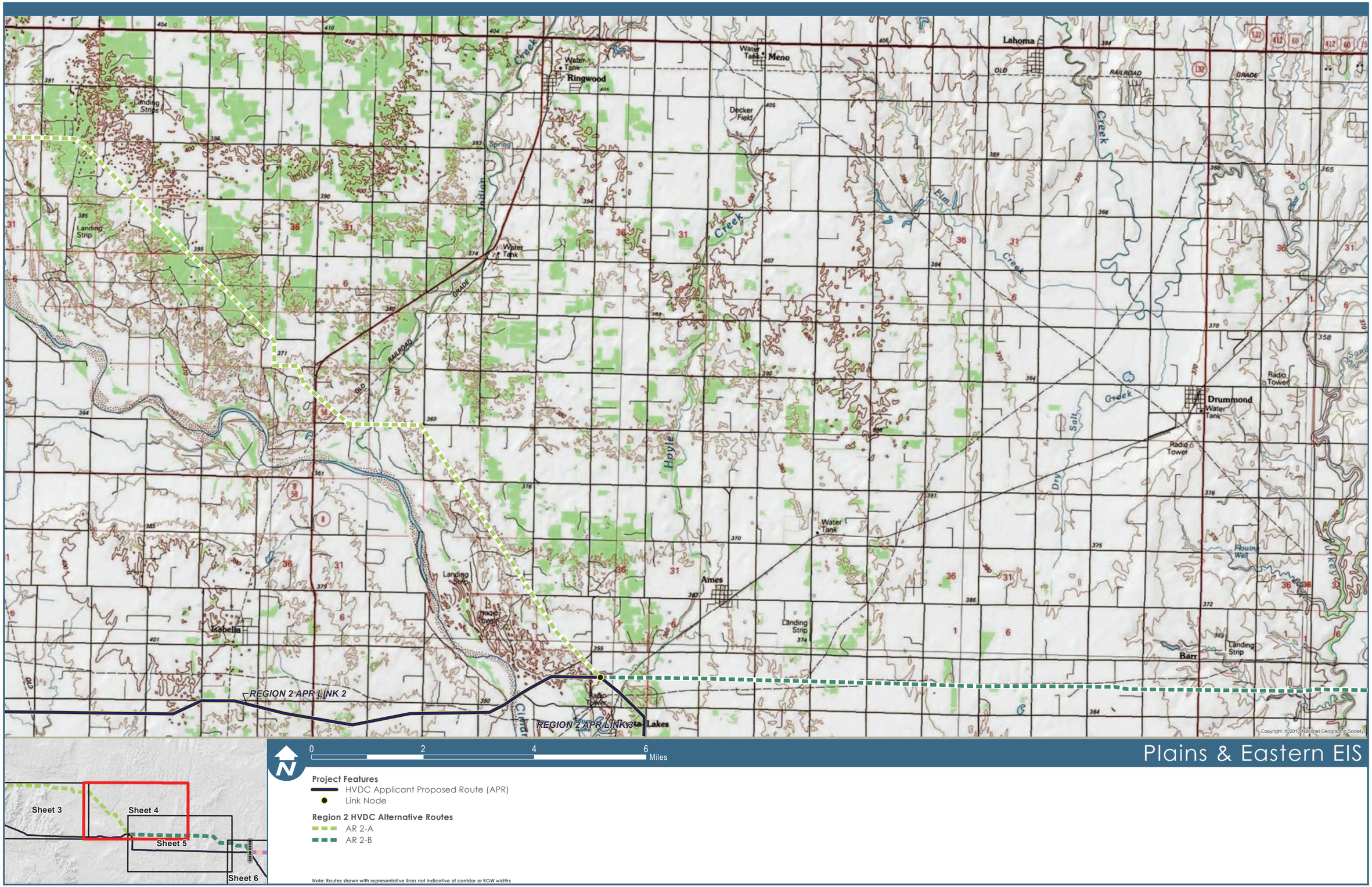

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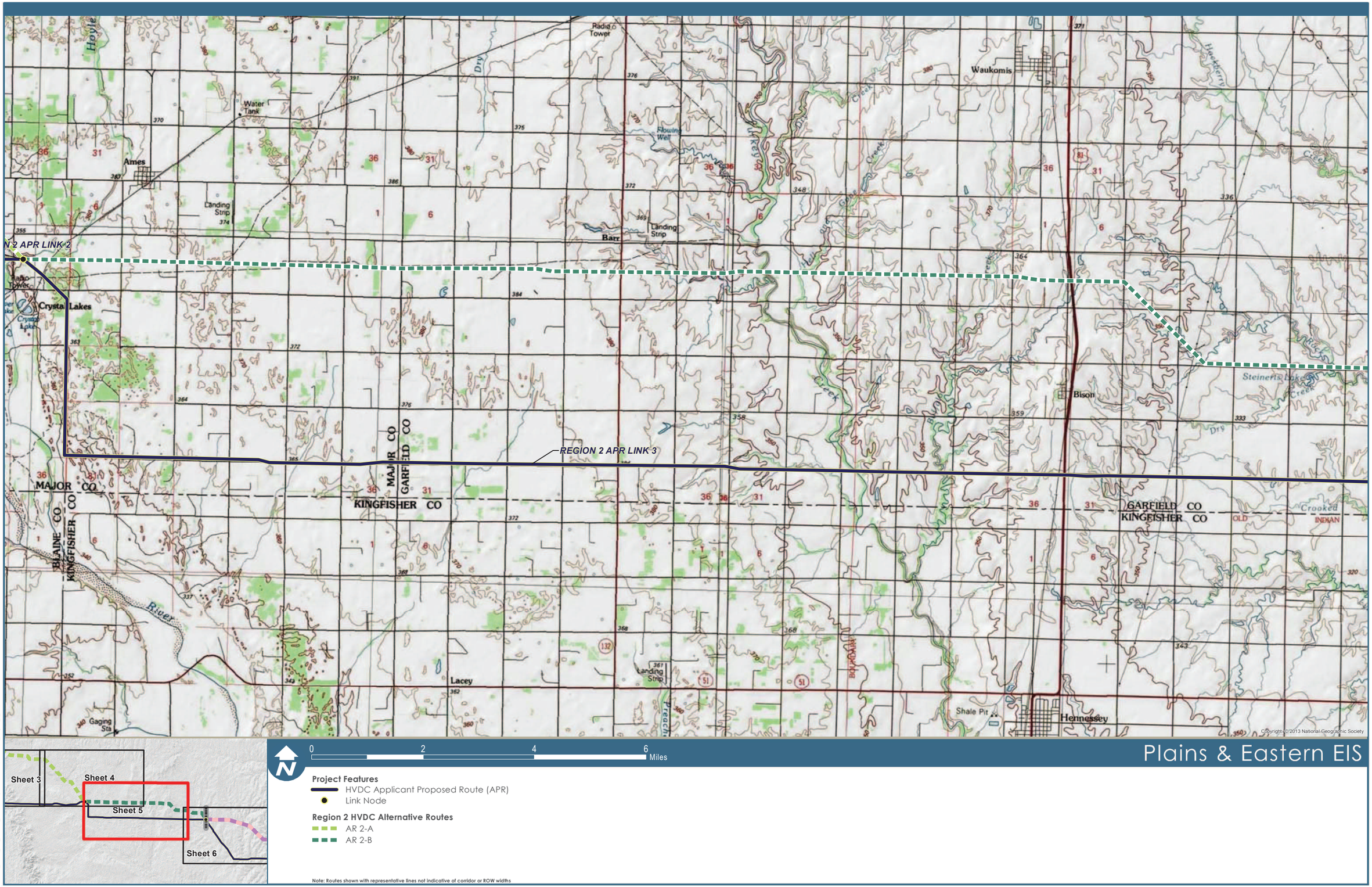

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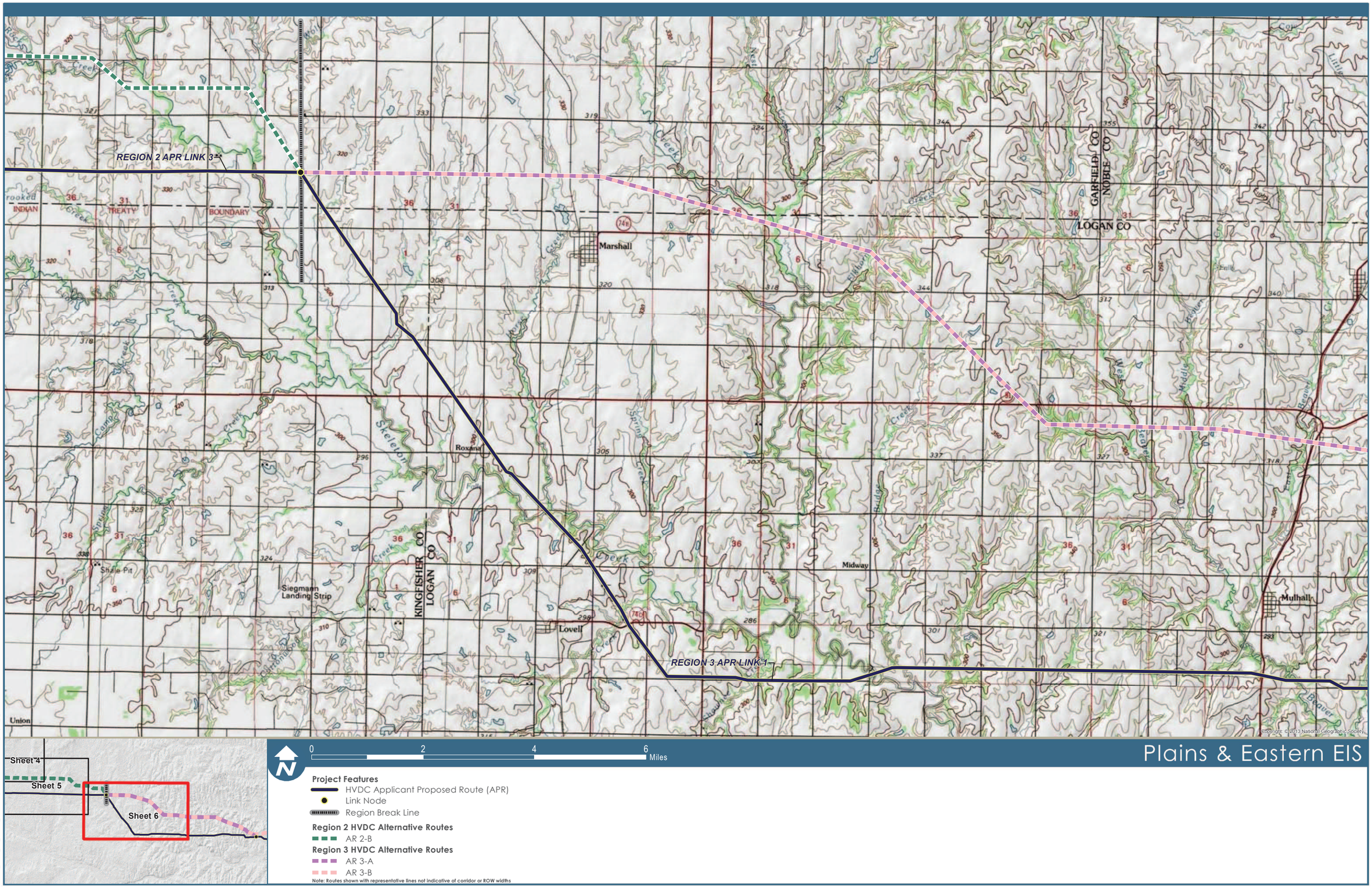

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