
ENVIRONMENTAL ASSESSMENT

VOLUME II (EXHIBITS)

IL ROUTE 13/127 (FAP 42) MURPHYSBORO TO PINCKNEYVILLE JACKSON AND PERRY COUNTIES

SEPTEMBER 2007

PREPARED FOR:



ENVIRONMENTAL ASSESSMENT

Illinois 13/127 (F.A.P. 42) Murphysboro to Pinckneyville Jackson and Perry Counties, Illinois

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8.0 EXHIBITS

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Exhibit 1
Project Location Map
Illinois 13/127

ILLINOIS 13/127 PHASE I STUDY

MURPHYSBORO TO PINCKNEYVILLE

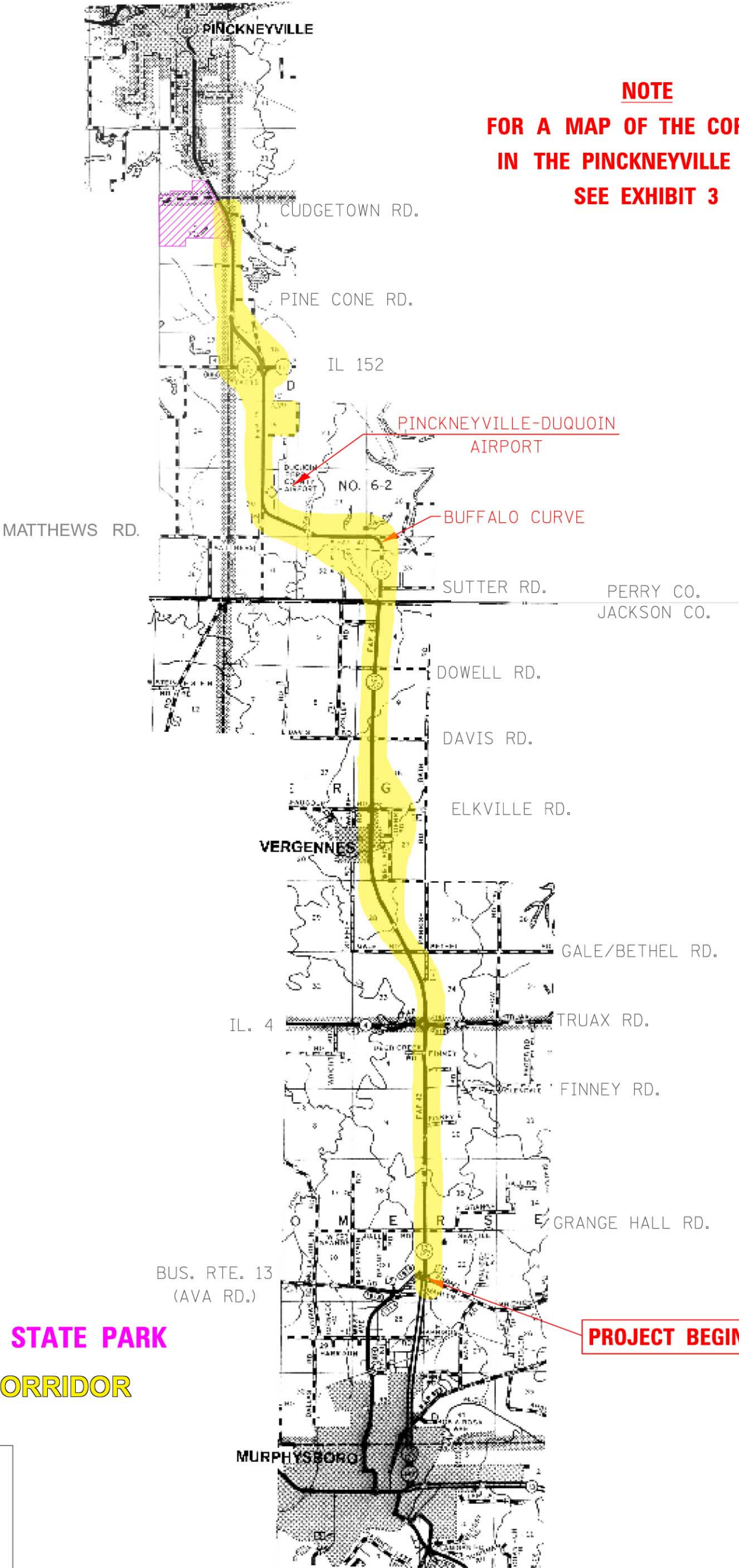
RURAL AREA

NOTE

**FOR A MAP OF THE CORRIDOR
IN THE PINCKNEYVILLE AREA
SEE EXHIBIT 3**



SCALE: 1" = 1.5 MILES



-  = **PYRAMID STATE PARK**
-  = **STUDY CORRIDOR**

**EXHIBIT 2
CORRIDOR MAP
RURAL AREA**

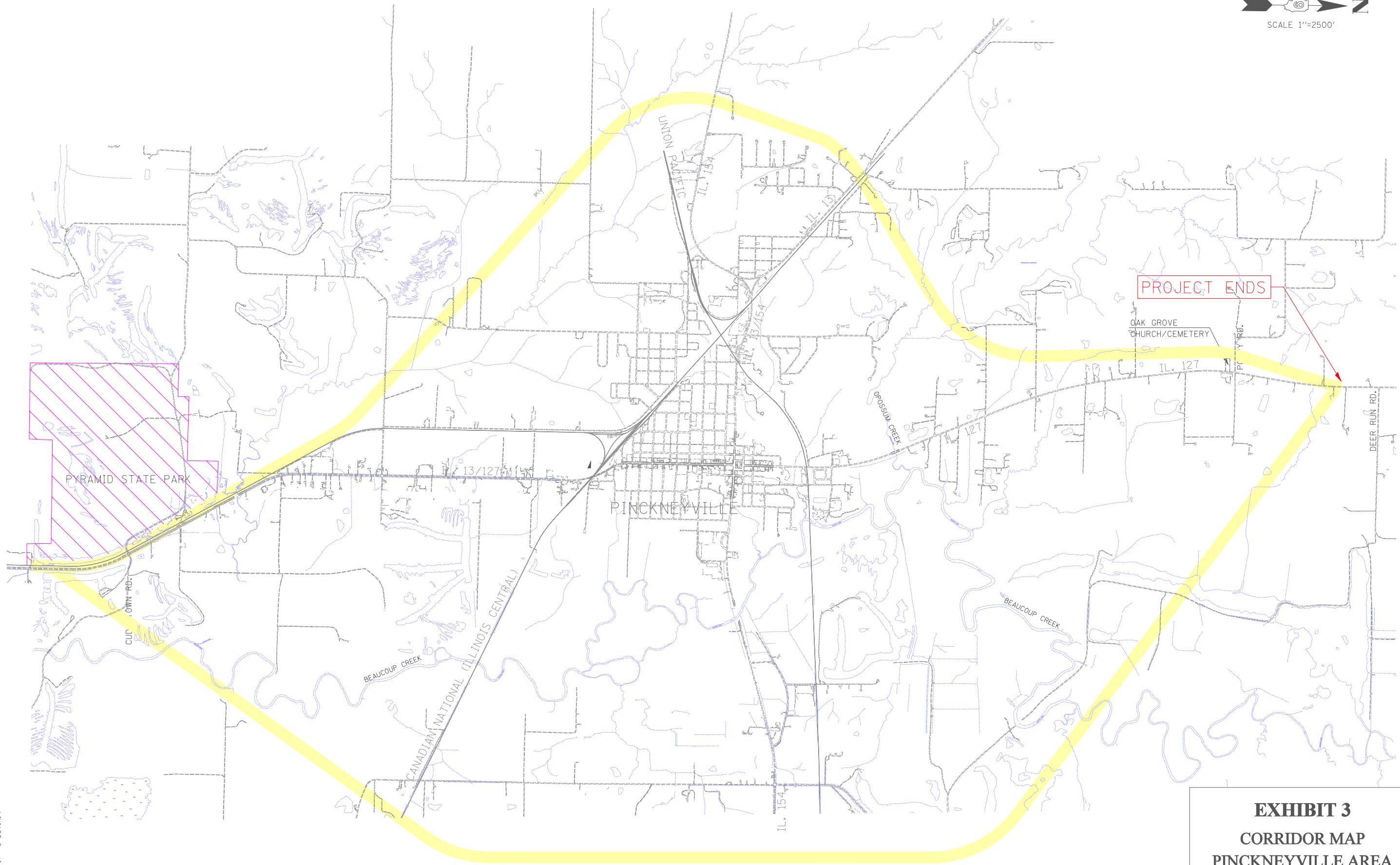
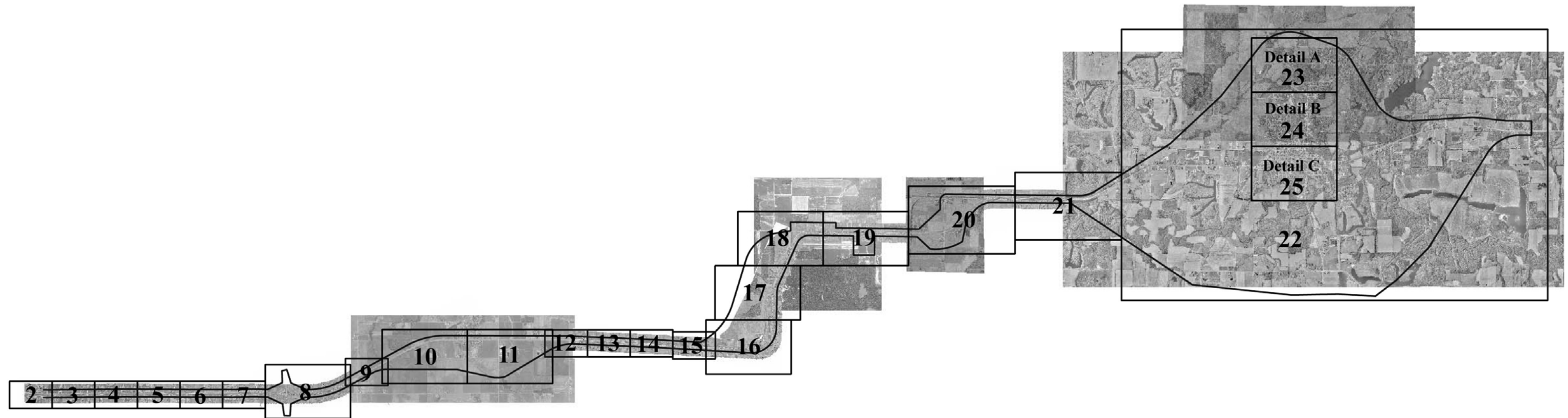


EXHIBIT 3
CORRIDOR MAP
PINCKNEYVILLE AREA
ILLINOIS 13/127



Note: The figure above shows the layout of Exhibit 4 (Existing Land Use), sheets 2-25. The primarily rural areas of the study corridor, which generally follow the alignment of existing IL 13/127, are shown on sheets 2-21 at 1"= 200', 1"=400', or 1"=500' scale. Sheet 22, covering the area around Pinckneyville, is shown at a 1" = 2000' scale. Details A, B & C, sheets 23, 24 & 25, respectively, show portions of Pinckneyville at a scale of 1" = 400'.

Exhibit 4
Map Key
Existing Land Use
Illinois 13/127 Corridor
Sheet 1 of 25

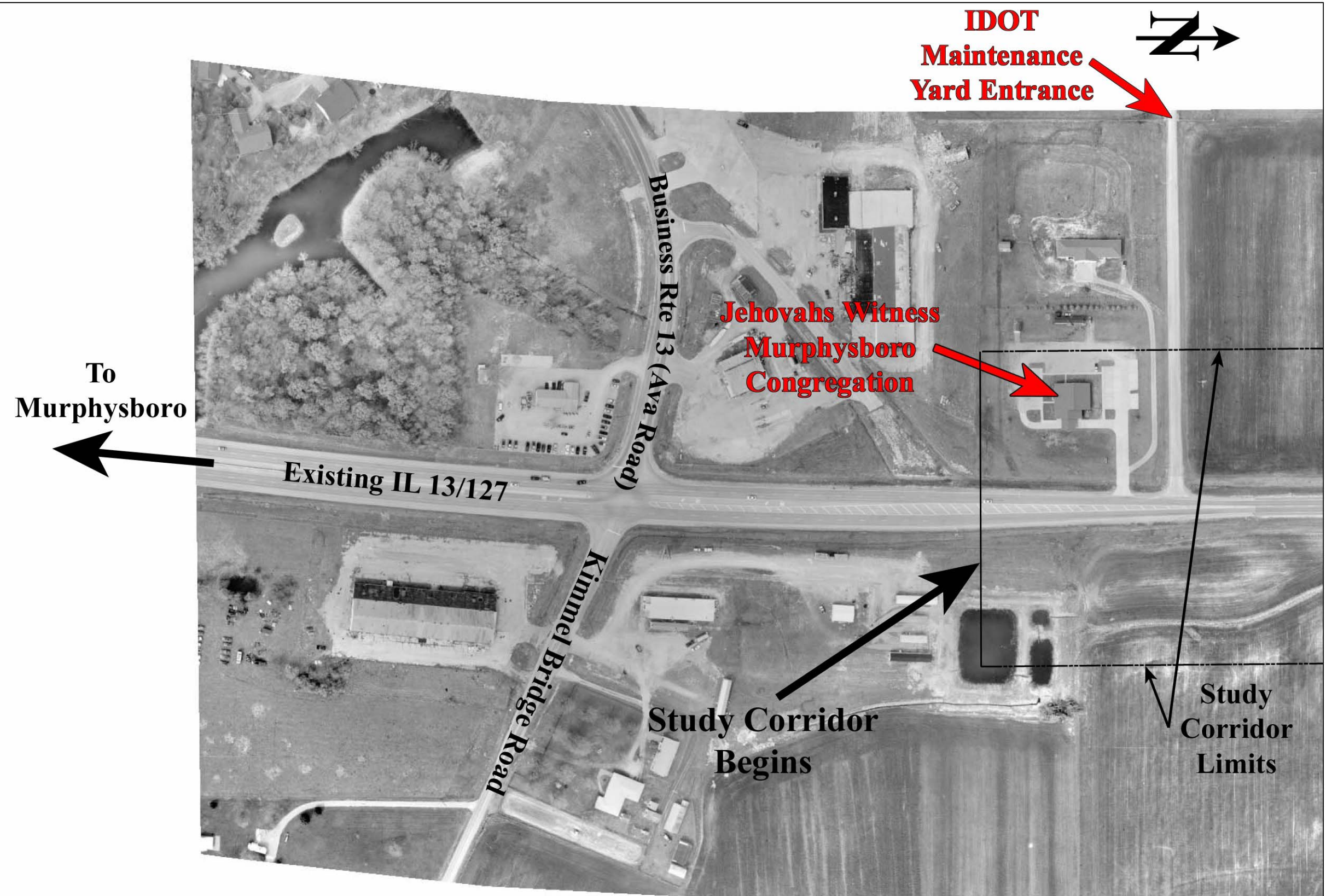


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 2 of 25
Scale: 1" = 200'



Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 3 of 25
Scale: 1" = 200'

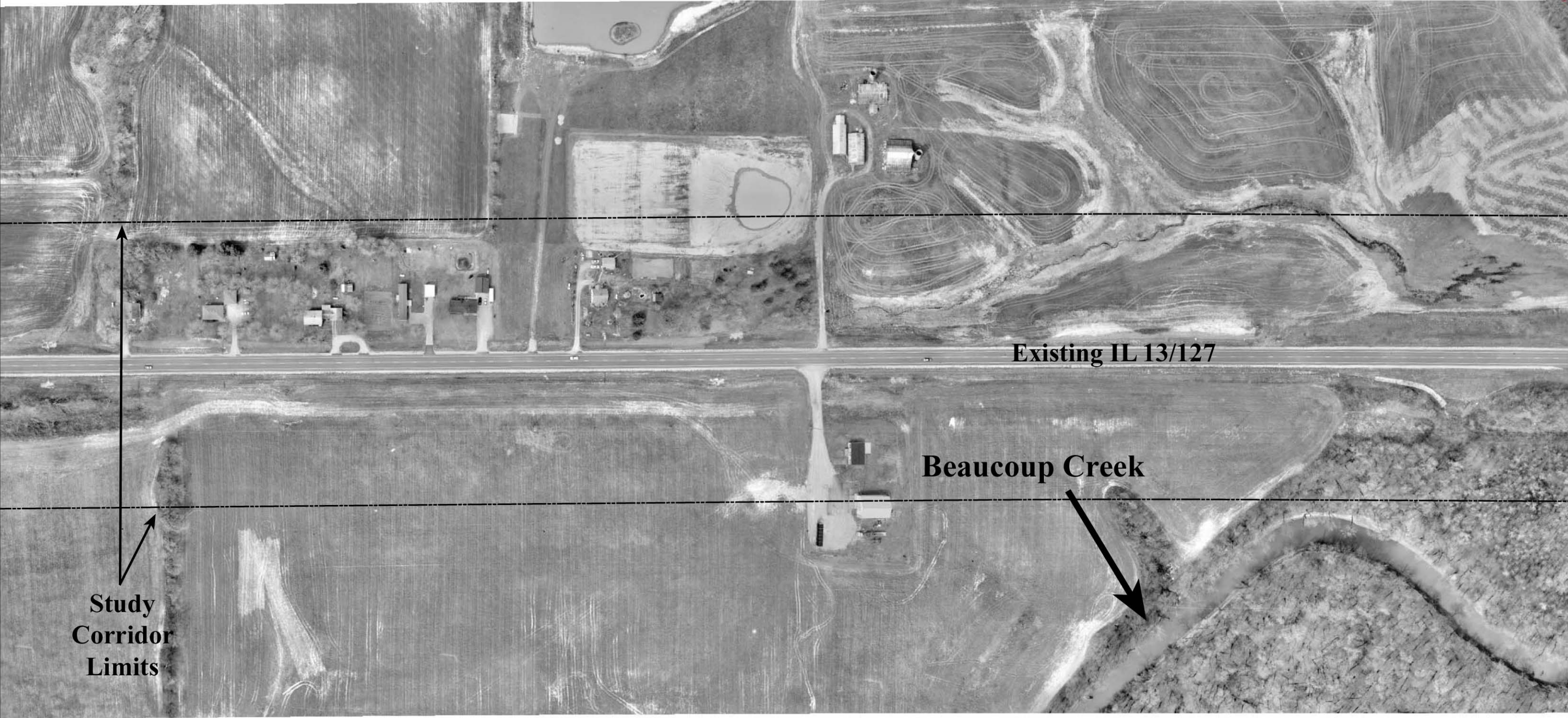
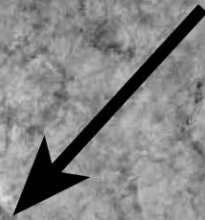


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 4 of 25
Scale: 1" = 200'



Beaucoup Creek



Existing IL 13/127

**Lightfoot
Farms**



**Study
Corridor
Limits**



Exhibit 4

Existing Land Use
Illinois 13/127 Corridor
Sheet 5 of 25
Scale: 1" = 200'

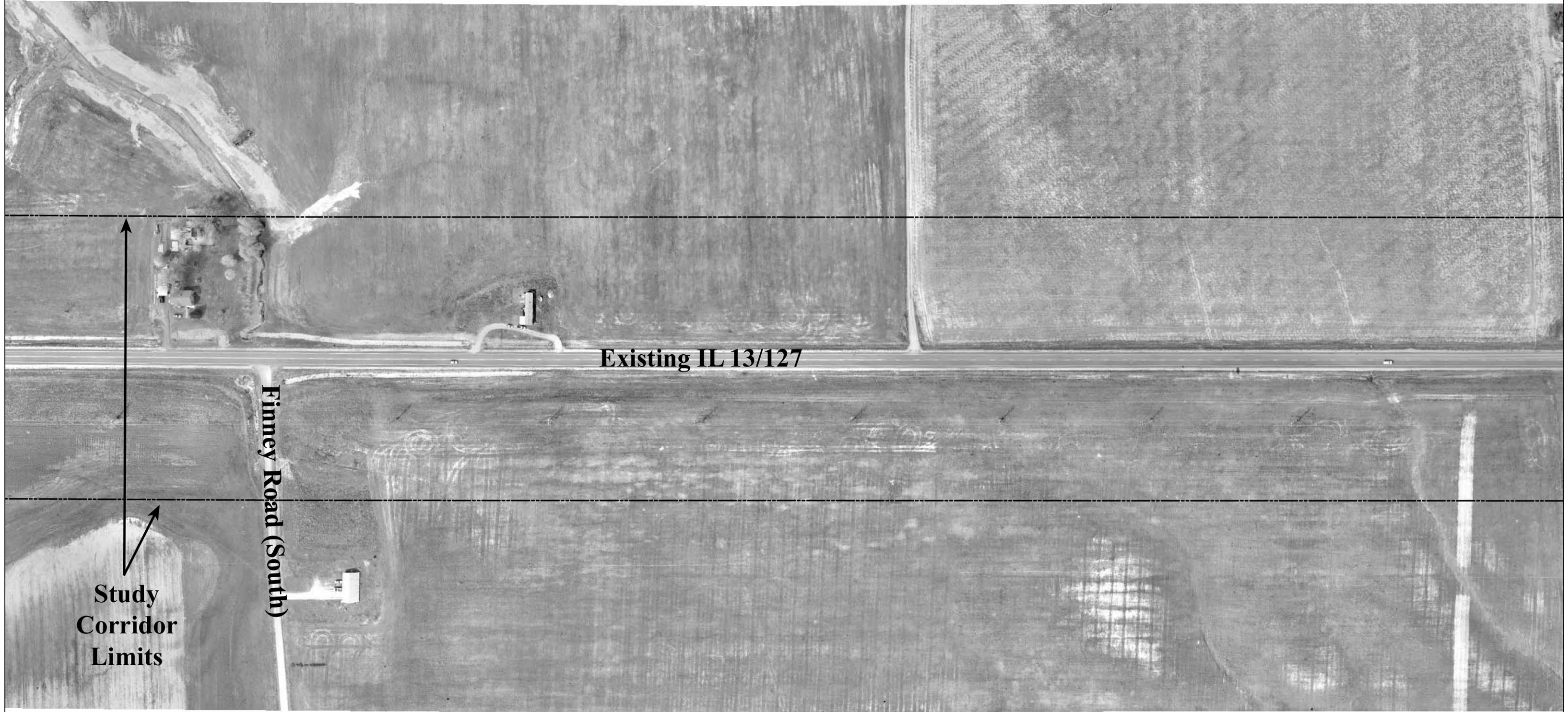


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 6 of 25
Scale: 1" = 200'

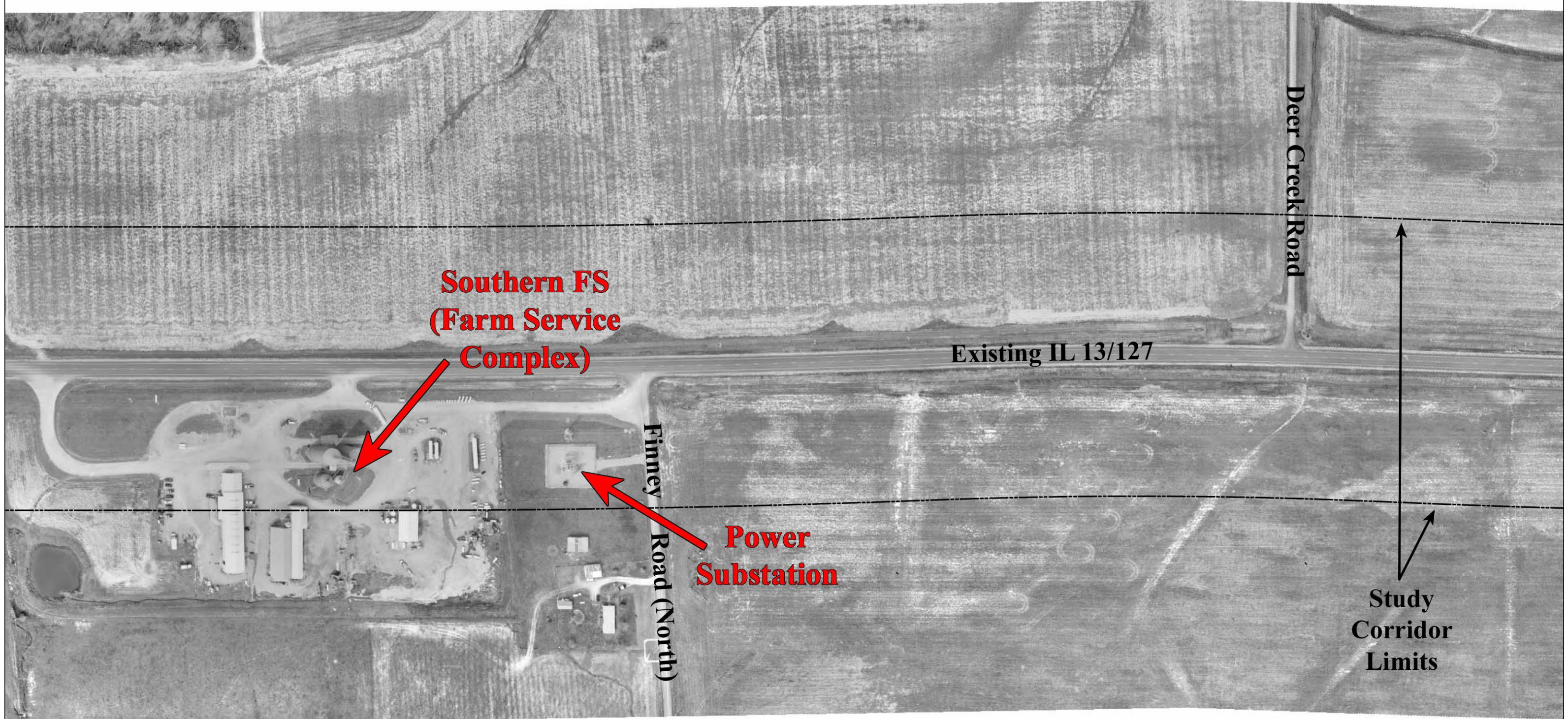


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 7 of 25
Scale: 1" = 200'



To Ava



IL Rte 4



Existing IL 13/127

Parrish Road

Truax-Traer Road



Study
Corridor
Limits

* Areas not covered by aerial
photography are cultivated fields.

Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 8 of 25
Scale: 1" = 400'

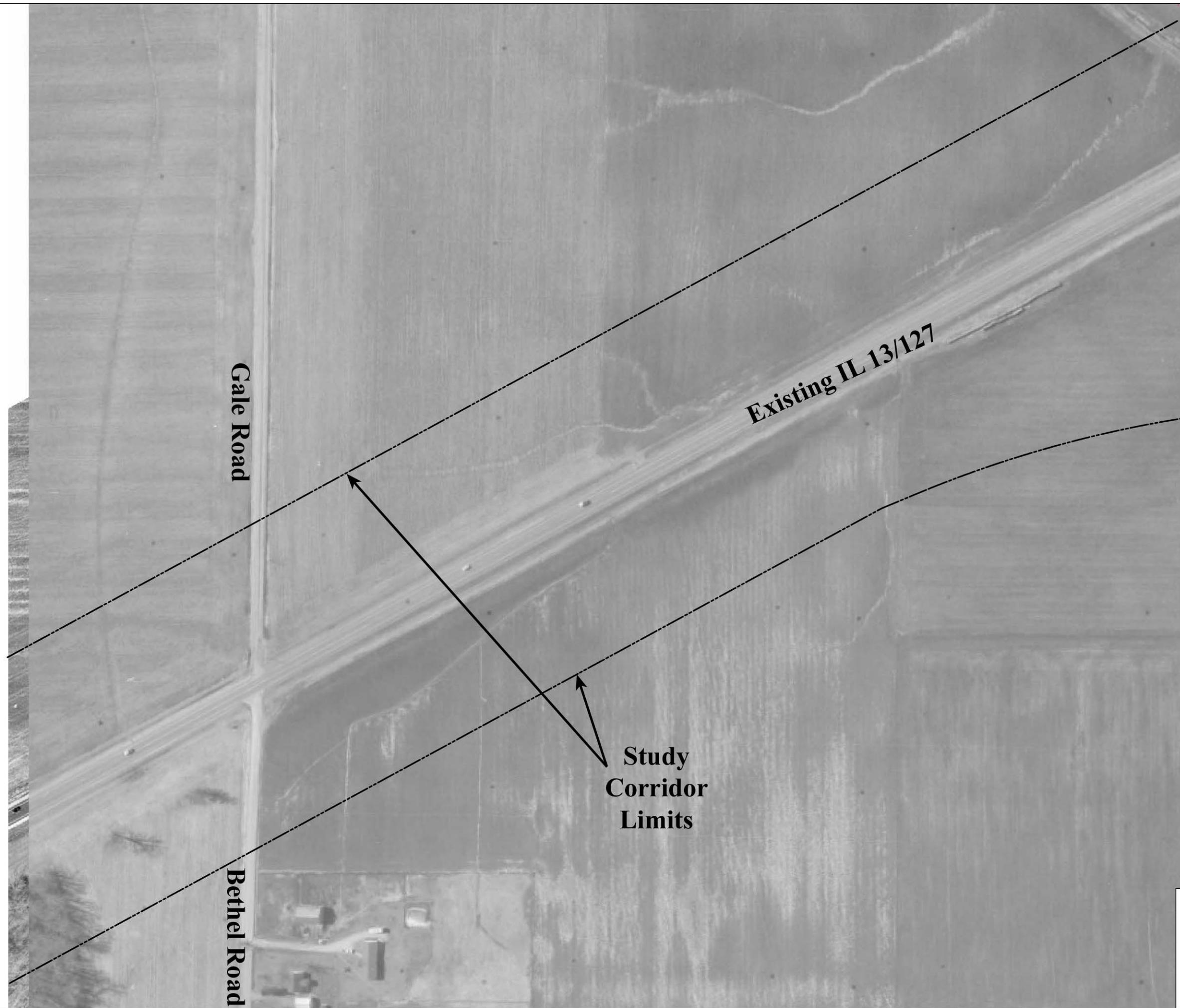


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 9 of 25
Scale: 1" = 200'



Existing IL 13/127

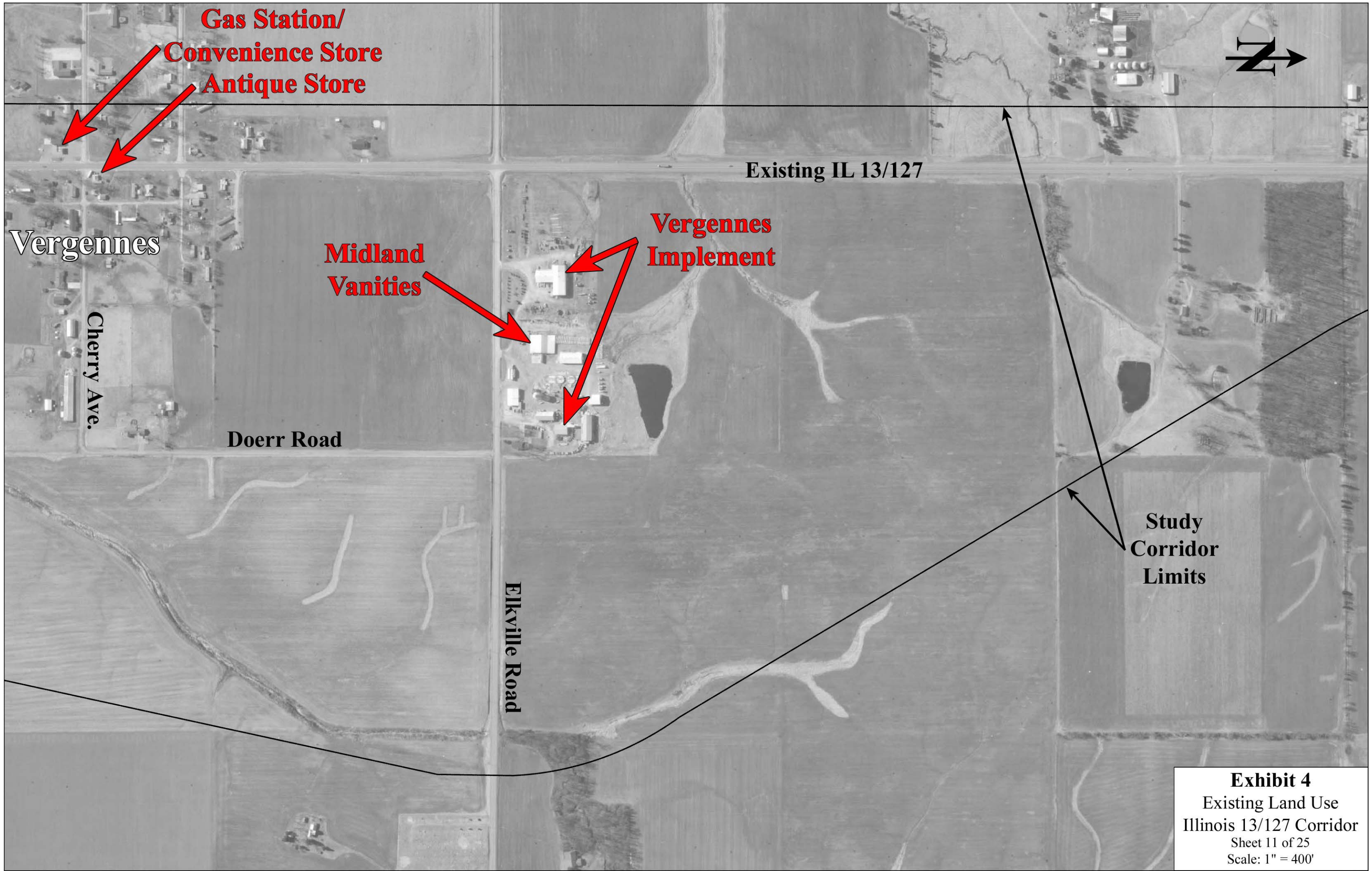
Porter Ave.

Weil Road

Lichliter Road

**Study
Corridor
Limits**

Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 10 of 25
Scale: 1" = 400'



Vergennes

Cherry Ave.

Doerr Road

Elkville Road

Existing IL 13/127

Gas Station/
Convenience Store
Antique Store

Midland
Vanities

Vergennes
Implement

Study
Corridor
Limits

Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 11 of 25
Scale: 1" = 400'

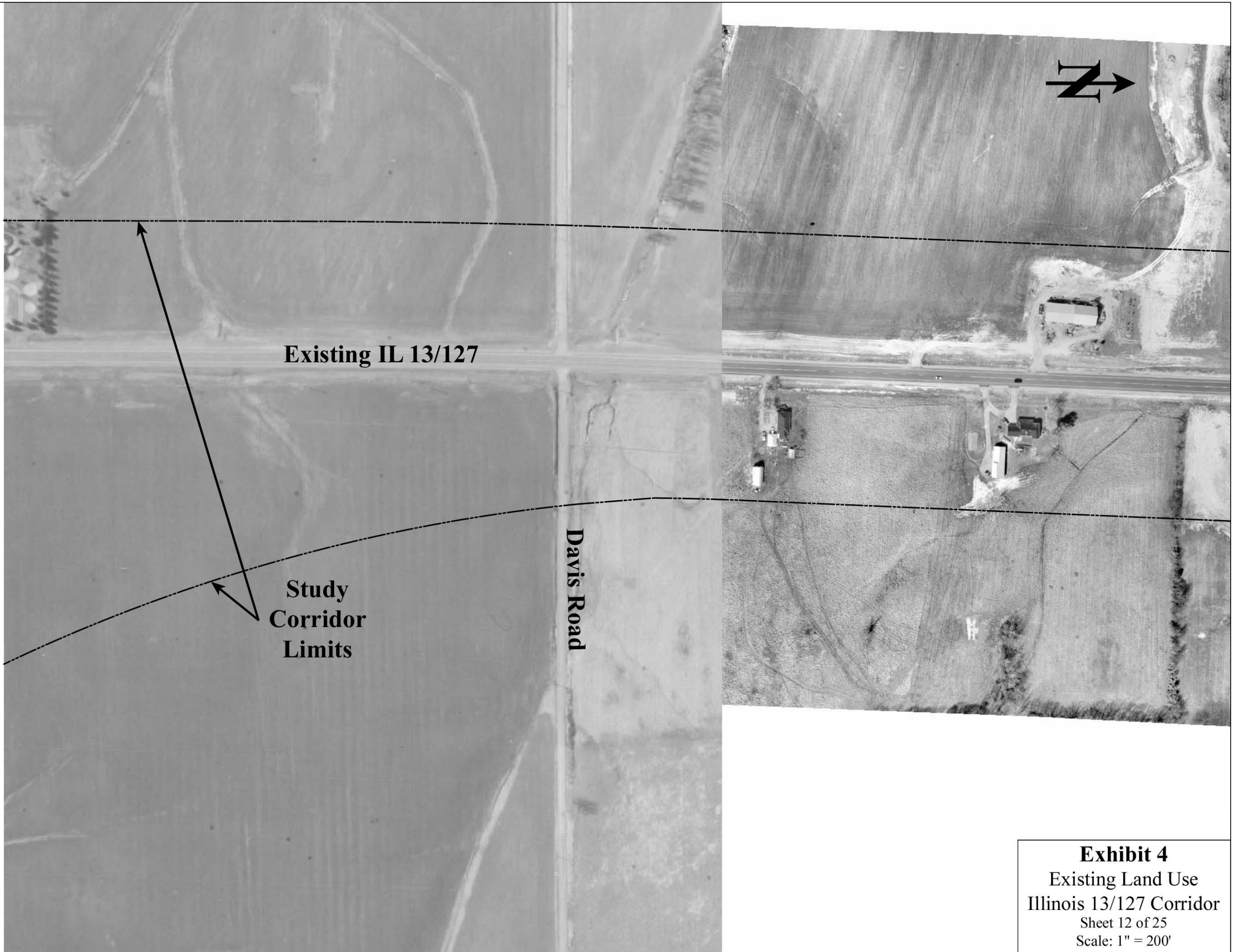


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 12 of 25
Scale: 1" = 200'



Existing IL 13/127

Study
Corridor
Limits

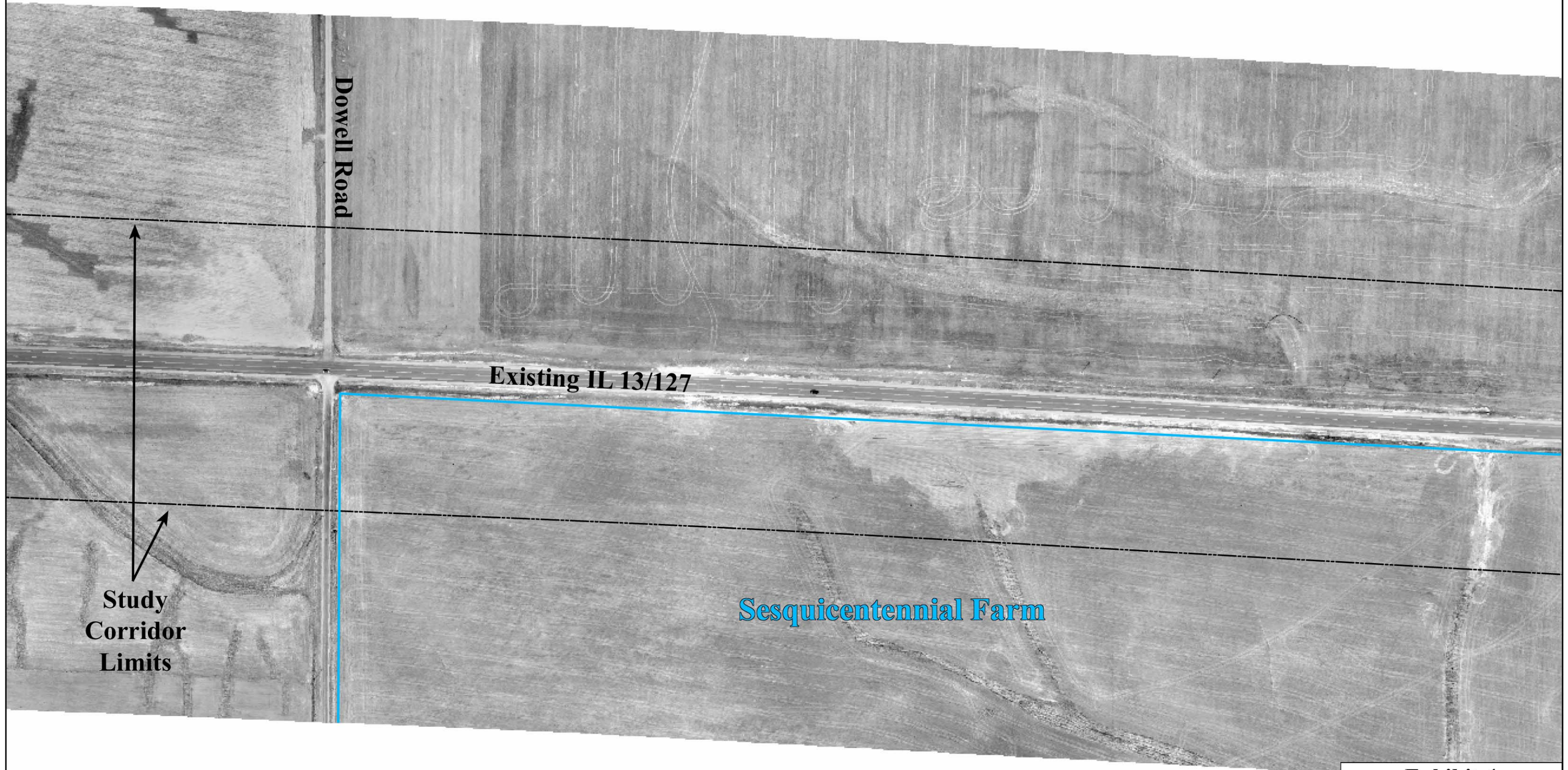


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 14 of 25
Scale: 1" = 200'



Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 15 of 25
Scale: 1" = 200'

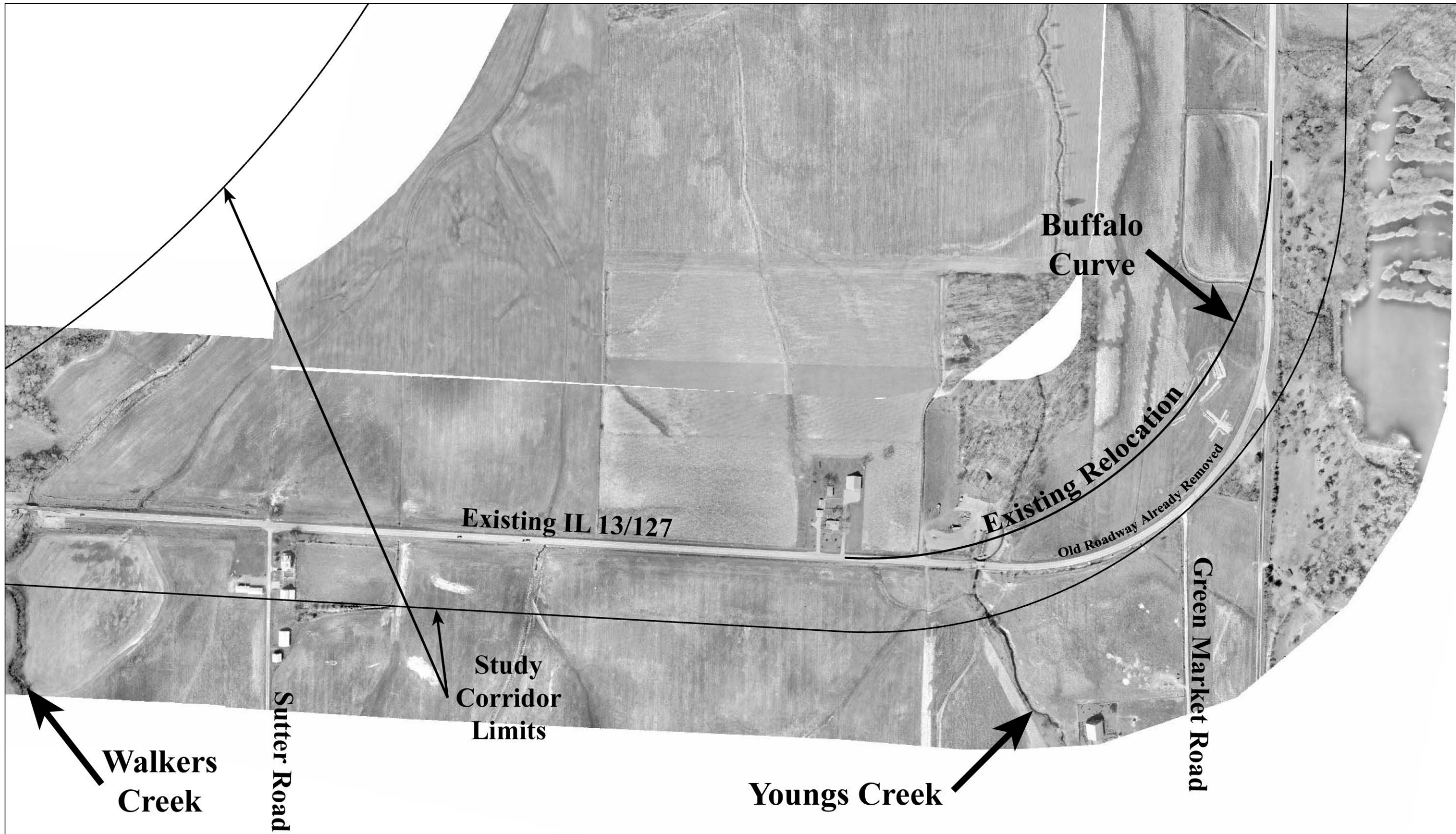


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 16 of 25
Scale: 1" = 400'

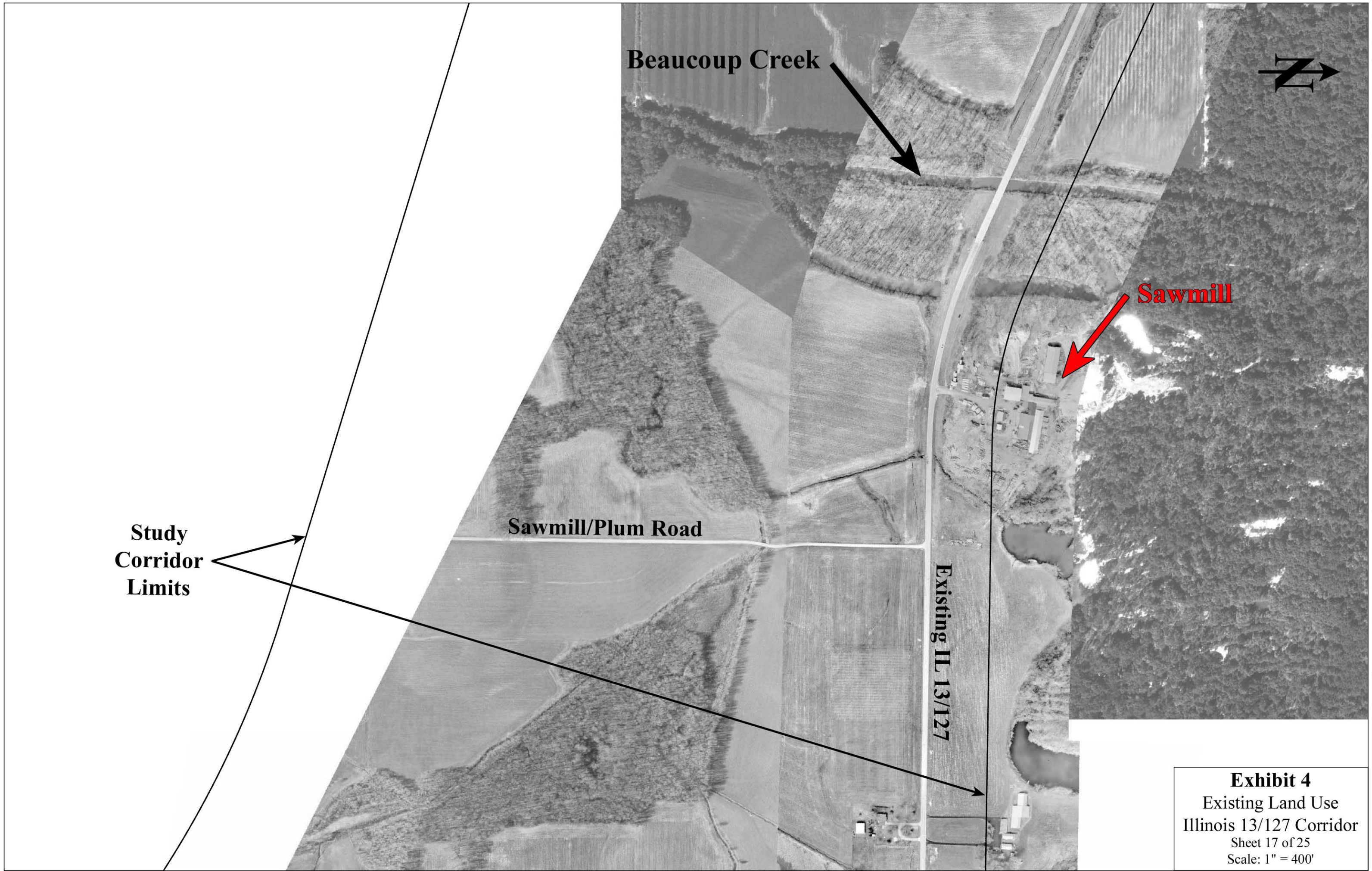
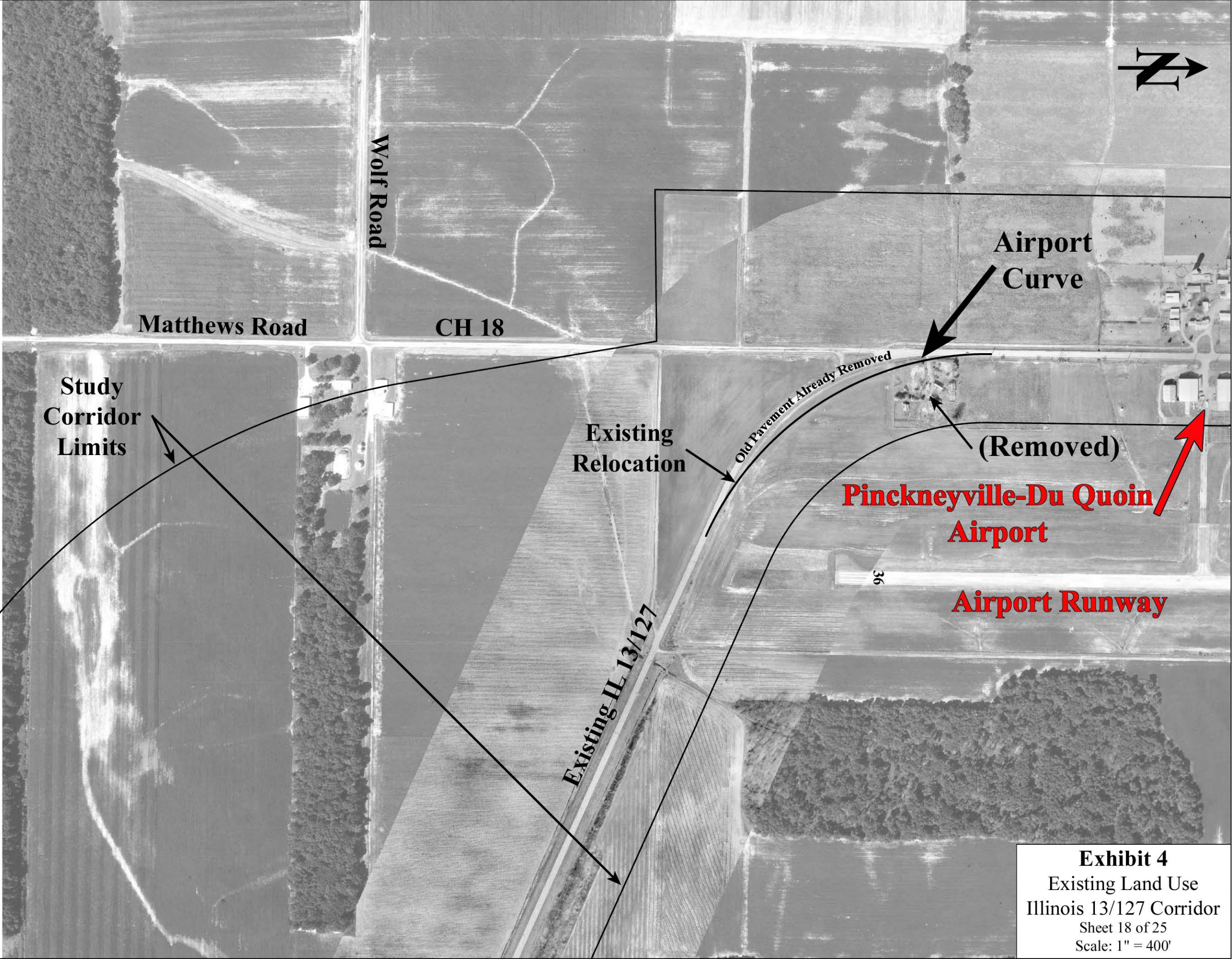


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 17 of 25
Scale: 1" = 400'





3 natural gas pipelines owned by the Natural Gas Pipeline Company of America cross existing IL 13/127 in this area

Study Corridor Limits

Existing IL 13/127

Shady Oaks Road

Pinckneyville-Du Quoin Airport

Airport Runway

18

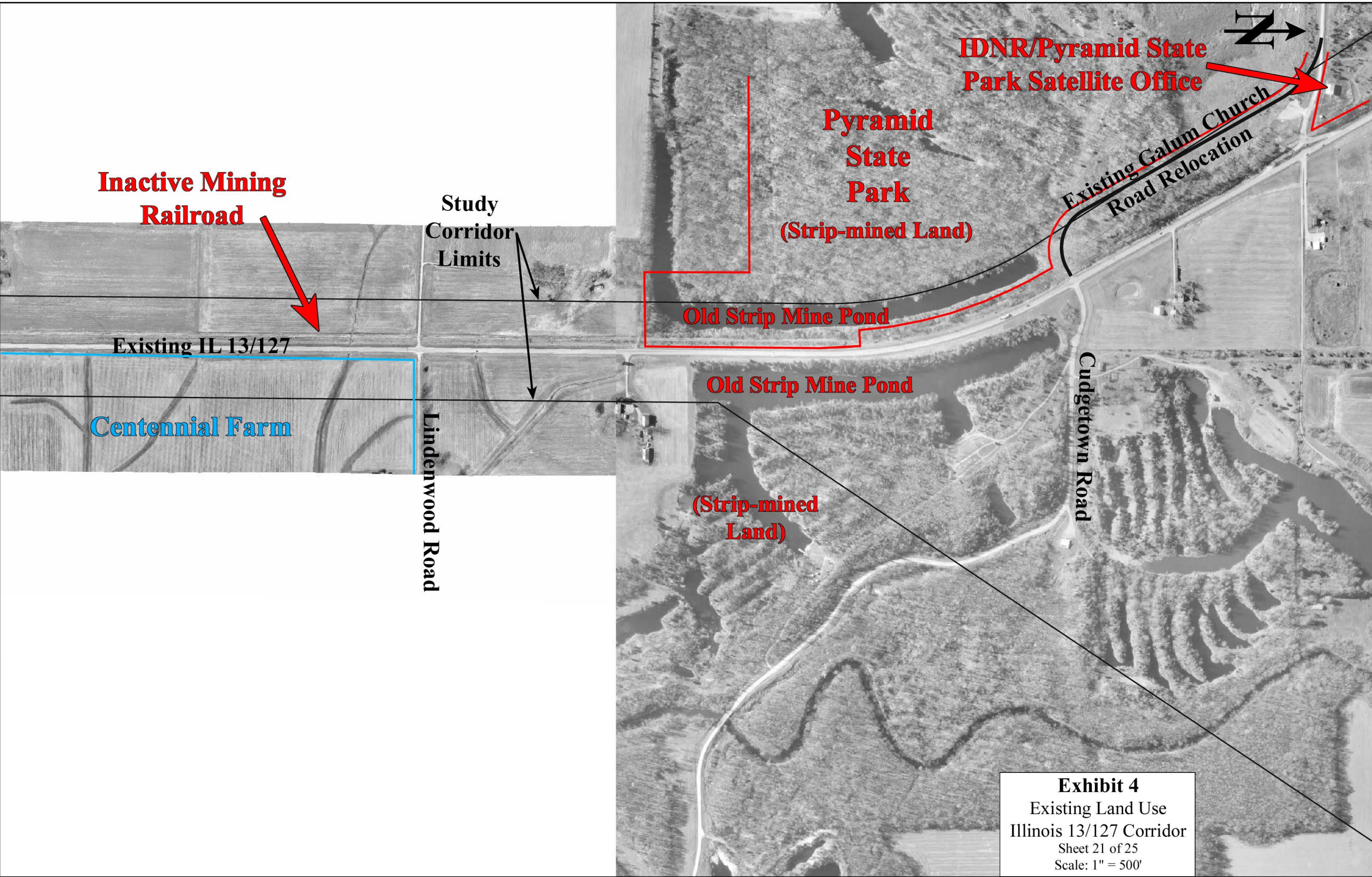


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 21 of 25
Scale: 1" = 500'

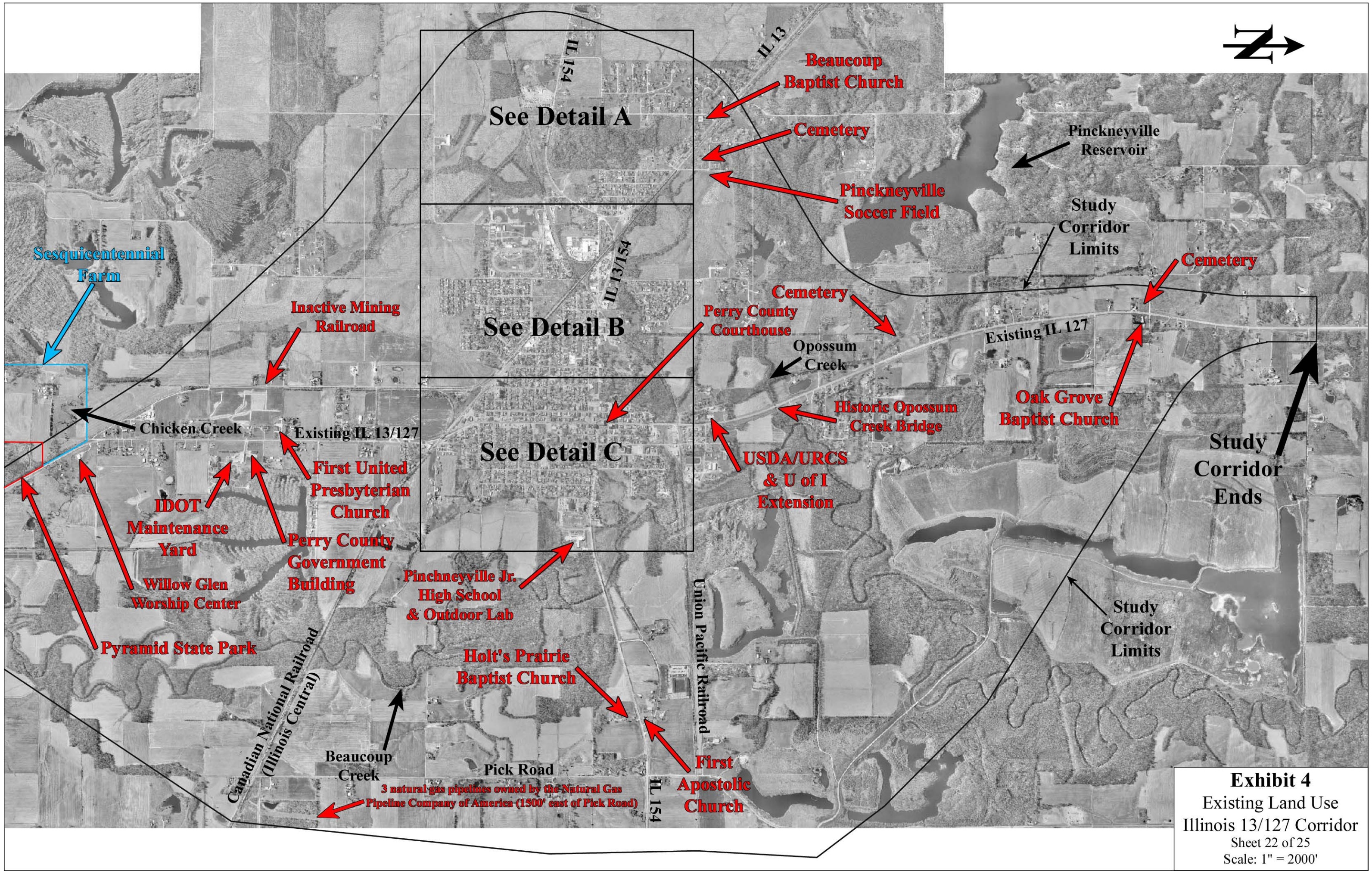


Exhibit 4
Existing Land Use
Illinois 13/127 Corridor
Sheet 22 of 25
Scale: 1" = 2000'

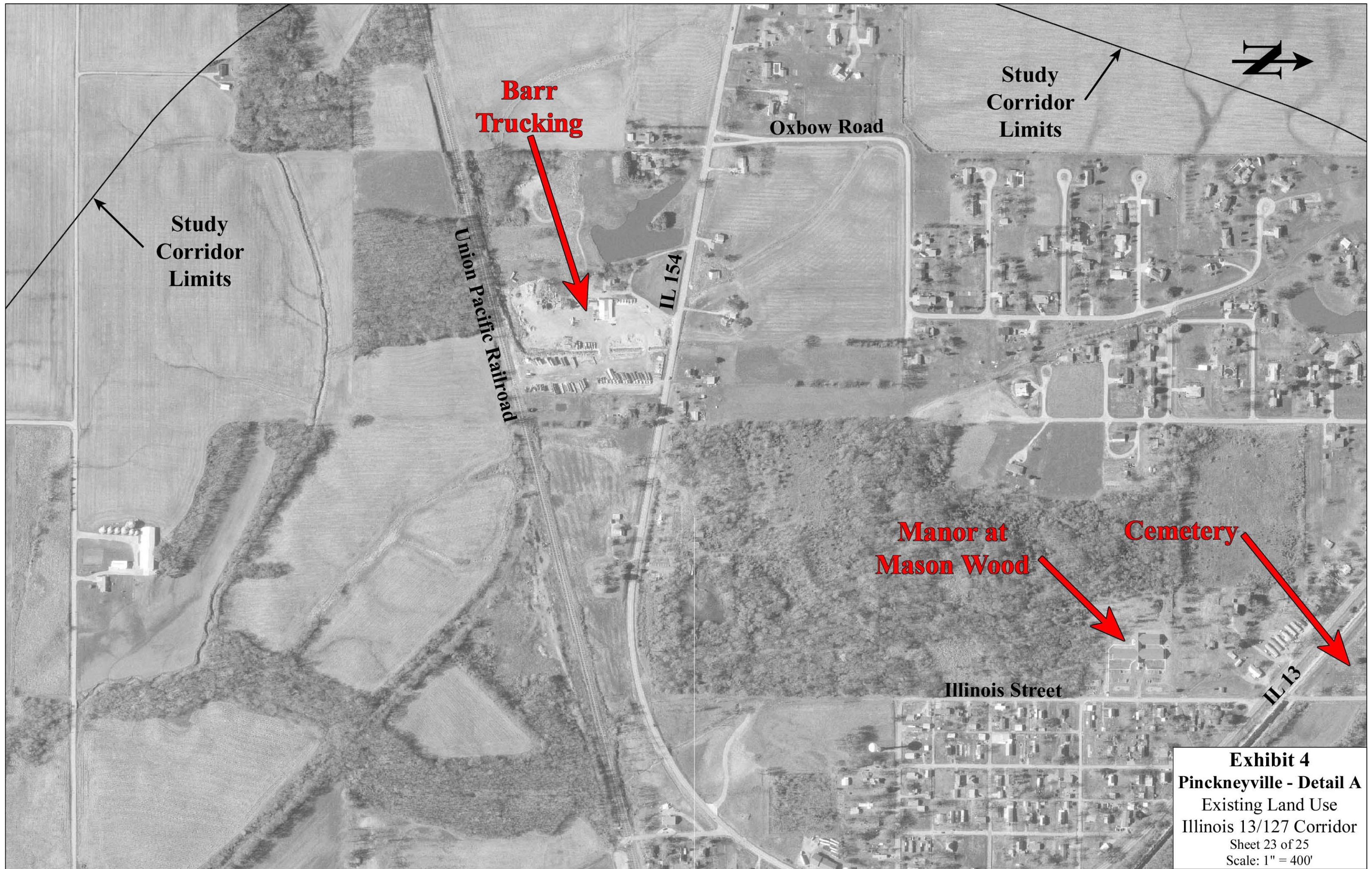


Exhibit 4
Pinckneyville - Detail A
Existing Land Use
Illinois 13/127 Corridor
Sheet 23 of 25
Scale: 1" = 400'

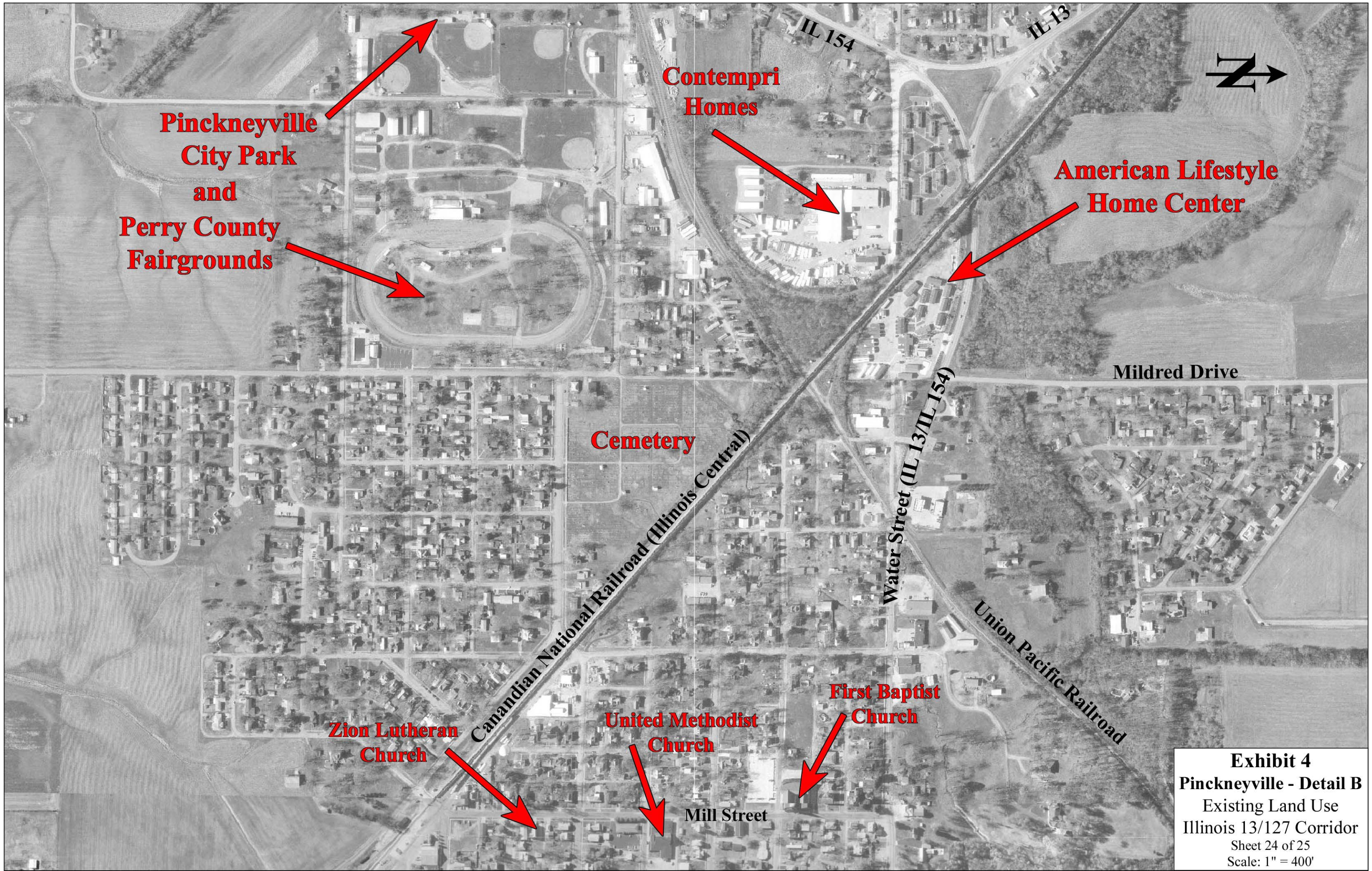
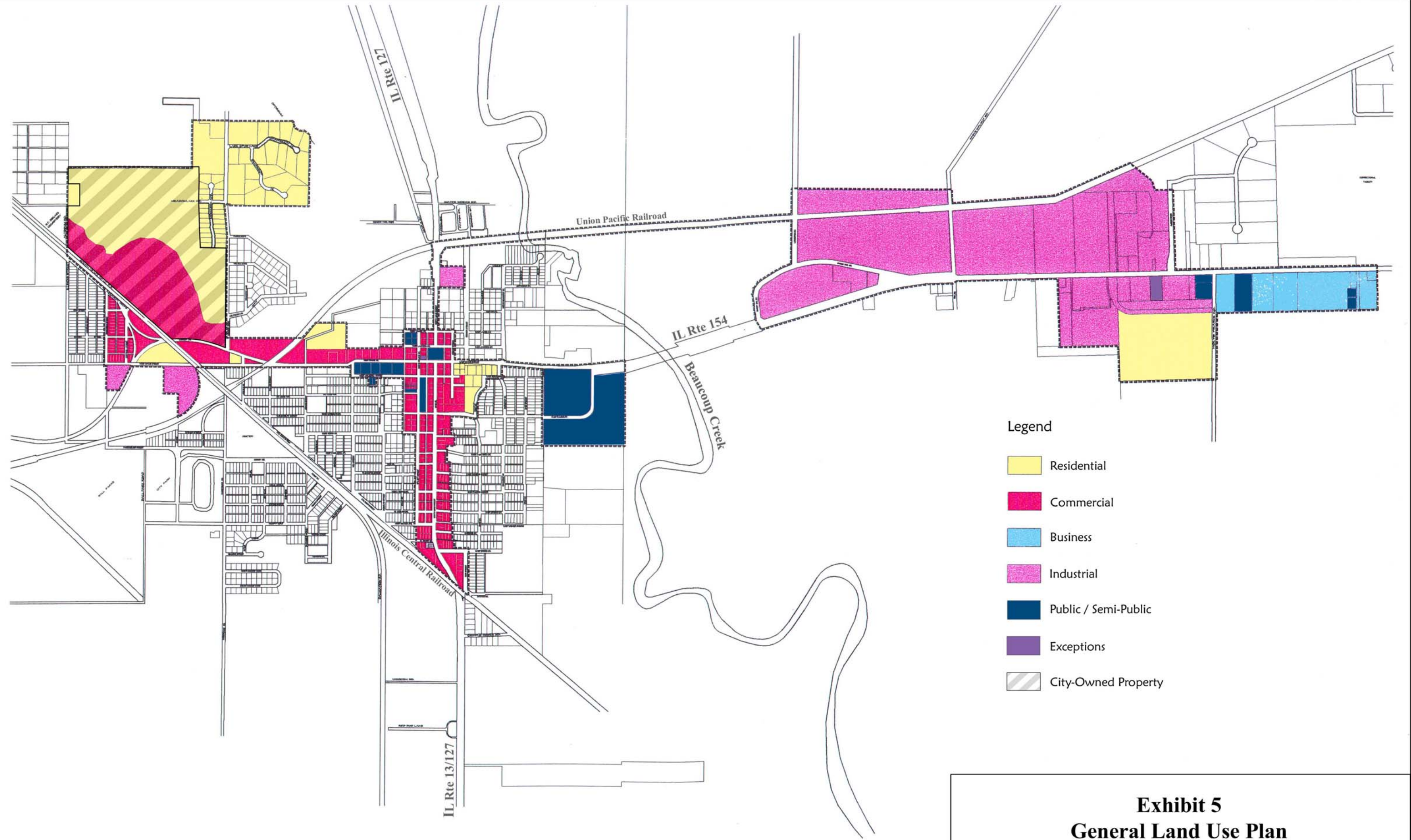


Exhibit 4
Pinckneyville - Detail B
Existing Land Use
Illinois 13/127 Corridor
Sheet 24 of 25
Scale: 1" = 400'



Exhibit 4
Pinckneyville - Detail C
Existing Land Use
Illinois 13/127 Corridor
Sheet 25 of 25
Scale: 1" = 400'



Legend

- Residential
- Commercial
- Business
- Industrial
- Public / Semi-Public
- Exceptions
- City-Owned Property

Exhibit 5
General Land Use Plan
Amended Tax Increment Redevelopment Plan
City of Pinckneyville, Illinois

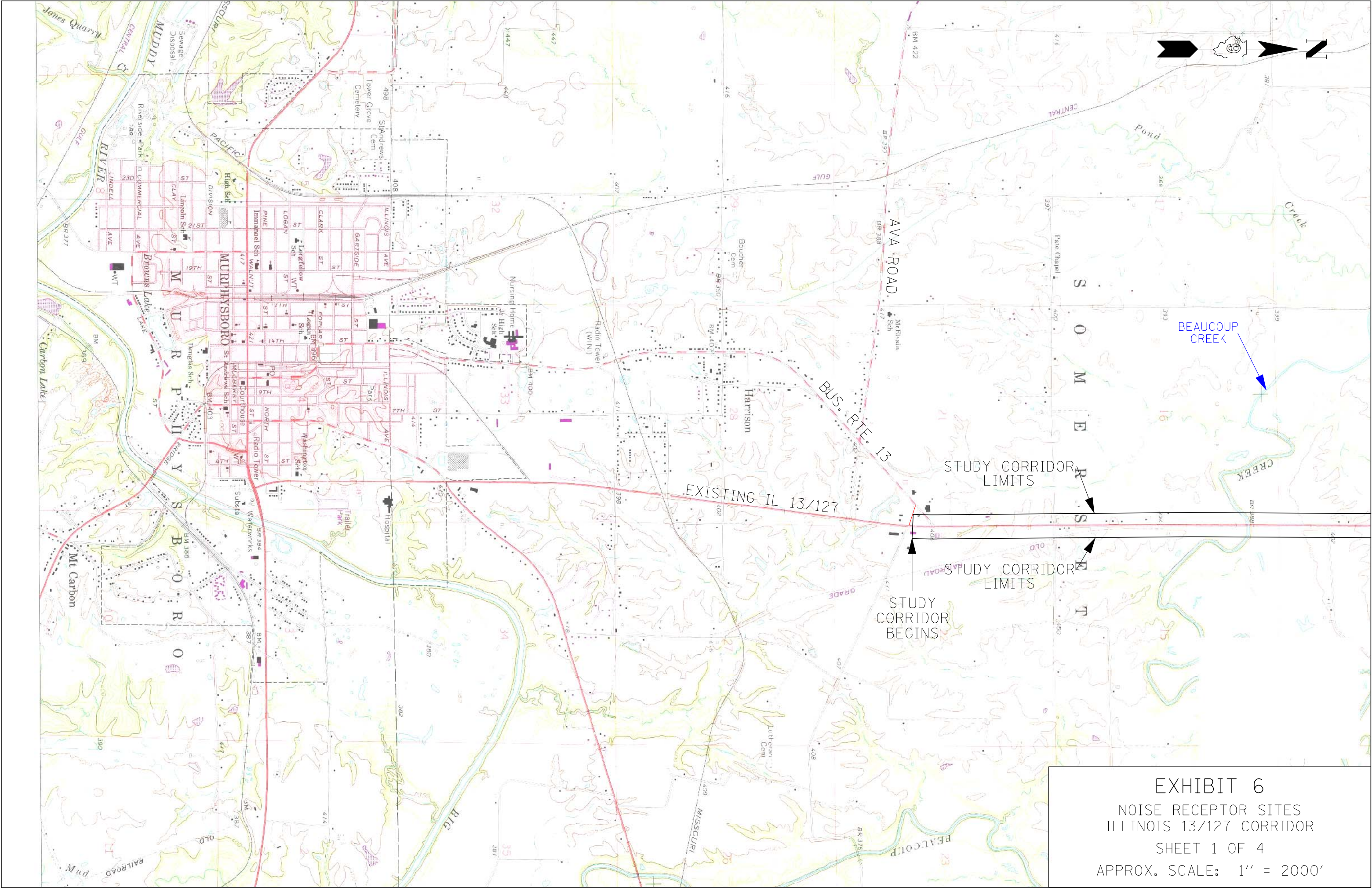


EXHIBIT 6
NOISE RECEPTOR SITES
ILLINOIS 13/127 CORRIDOR
SHEET 1 OF 4
APPROX. SCALE: 1" = 2000'

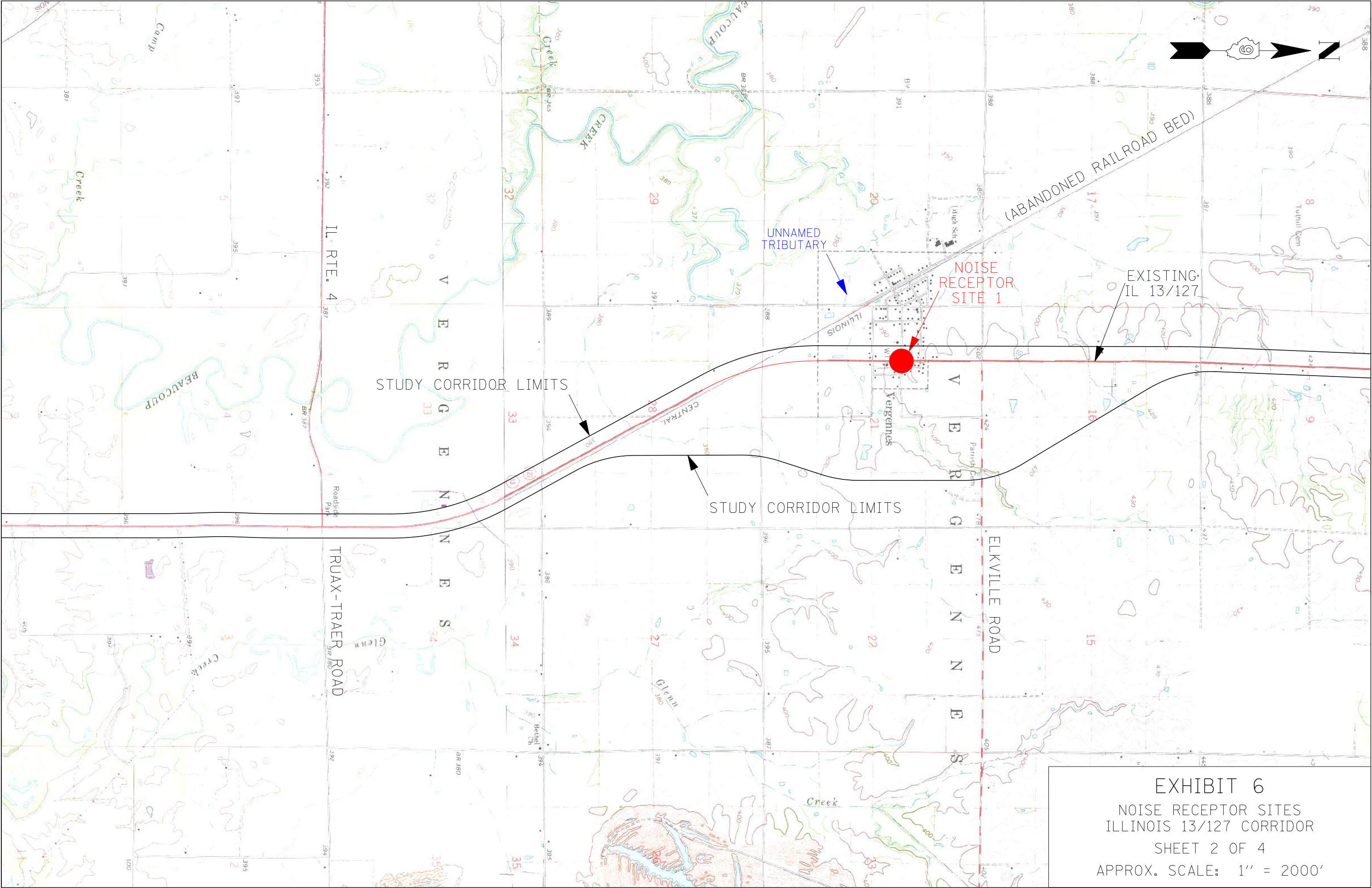


EXHIBIT 6
NOISE RECEPTOR SITES
ILLINOIS 13/127 CORRIDOR
SHEET 2 OF 4
APPROX. SCALE: 1" = 2000'

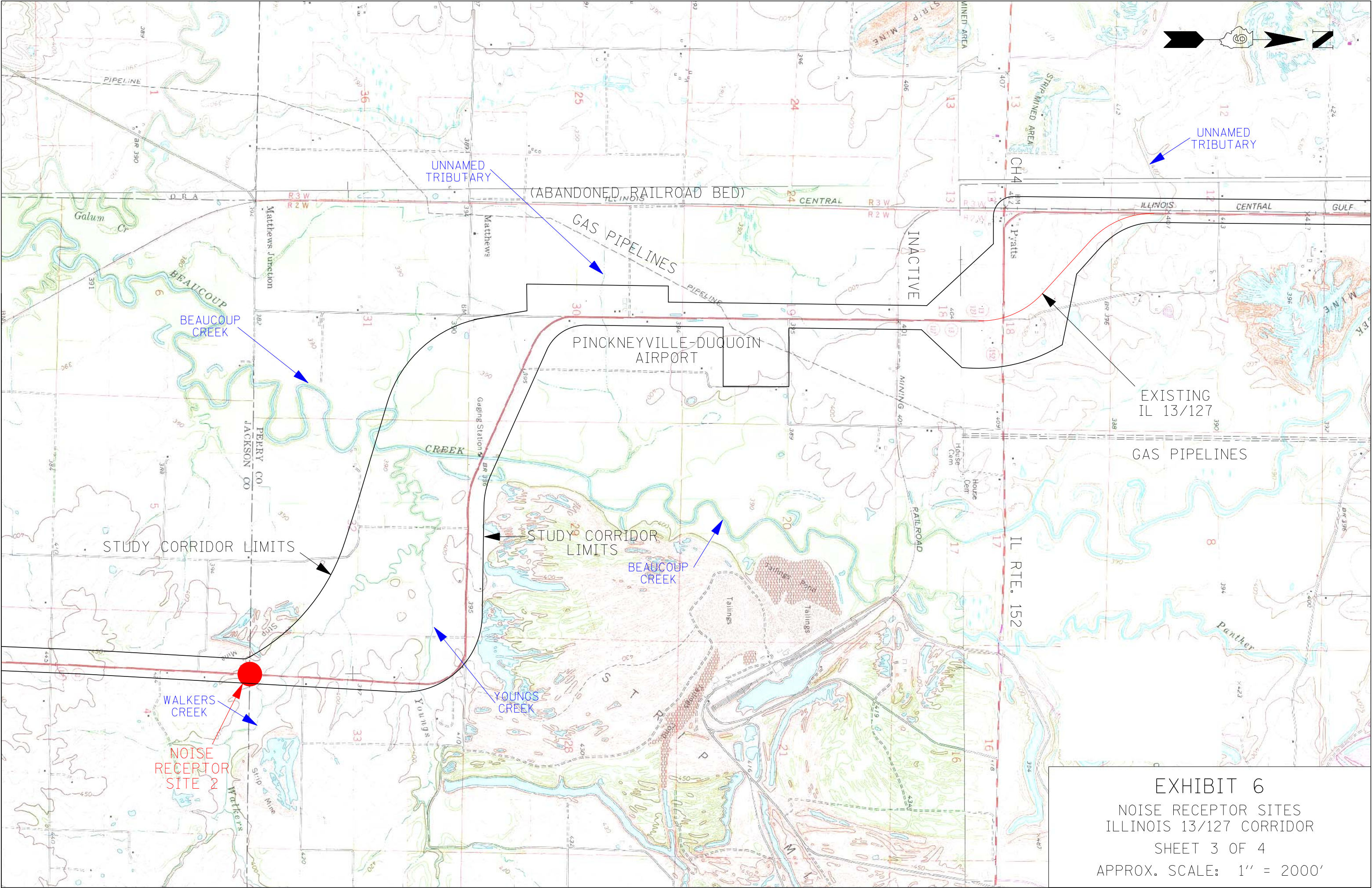


EXHIBIT 6
NOISE RECEPTOR SITES
ILLINOIS 13/127 CORRIDOR
SHEET 3 OF 4
APPROX. SCALE: 1" = 2000'

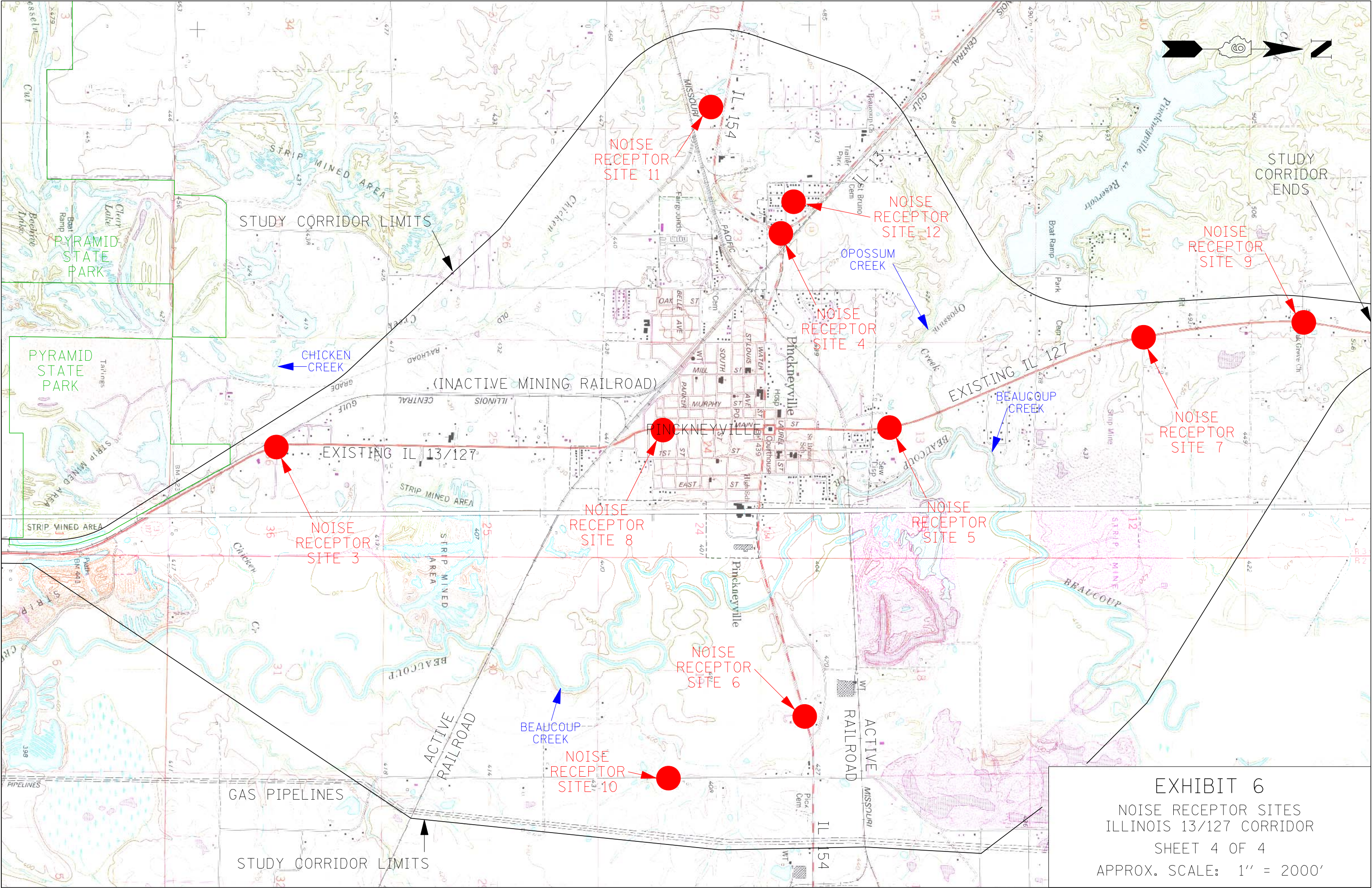


EXHIBIT 6
NOISE RECEPTOR SITES
ILLINOIS 13/127 CORRIDOR
SHEET 4 OF 4
APPROX. SCALE: 1" = 2000'

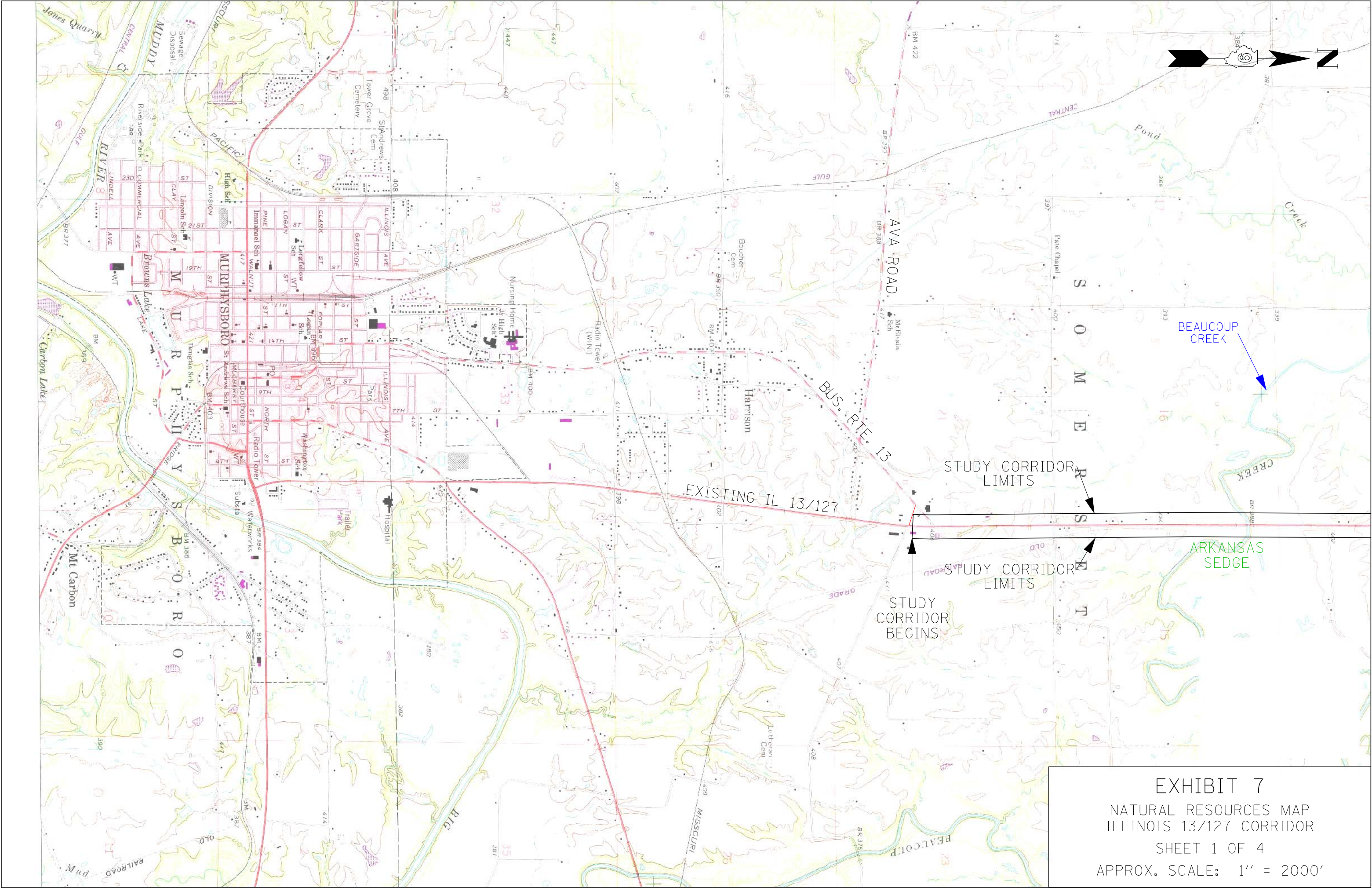


EXHIBIT 7
NATURAL RESOURCES MAP
ILLINOIS 13/127 CORRIDOR
SHEET 1 OF 4
APPROX. SCALE: 1" = 2000'

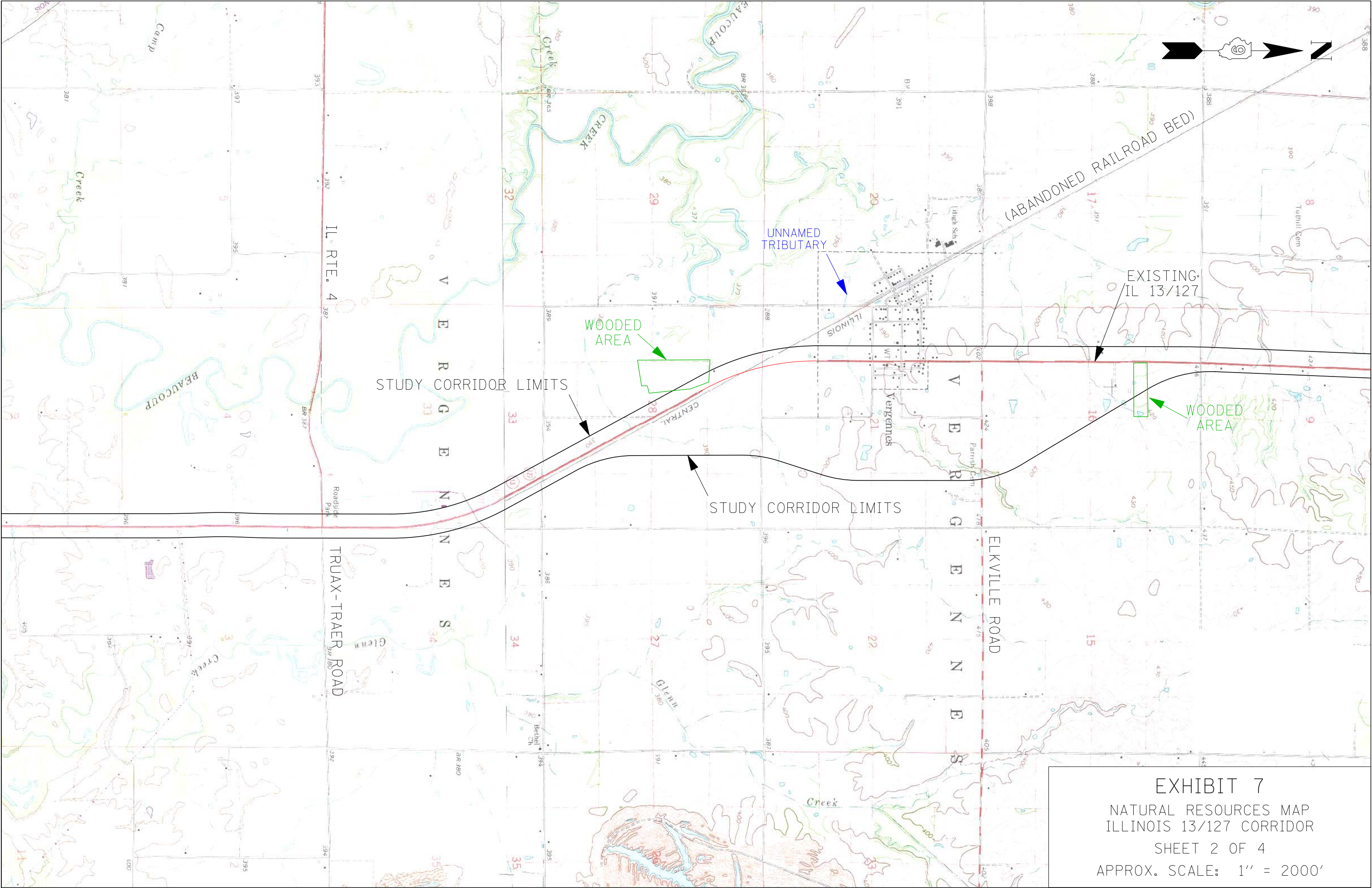


EXHIBIT 7
NATURAL RESOURCES MAP
ILLINOIS 13/127 CORRIDOR
SHEET 2 OF 4
APPROX. SCALE: 1" = 2000'

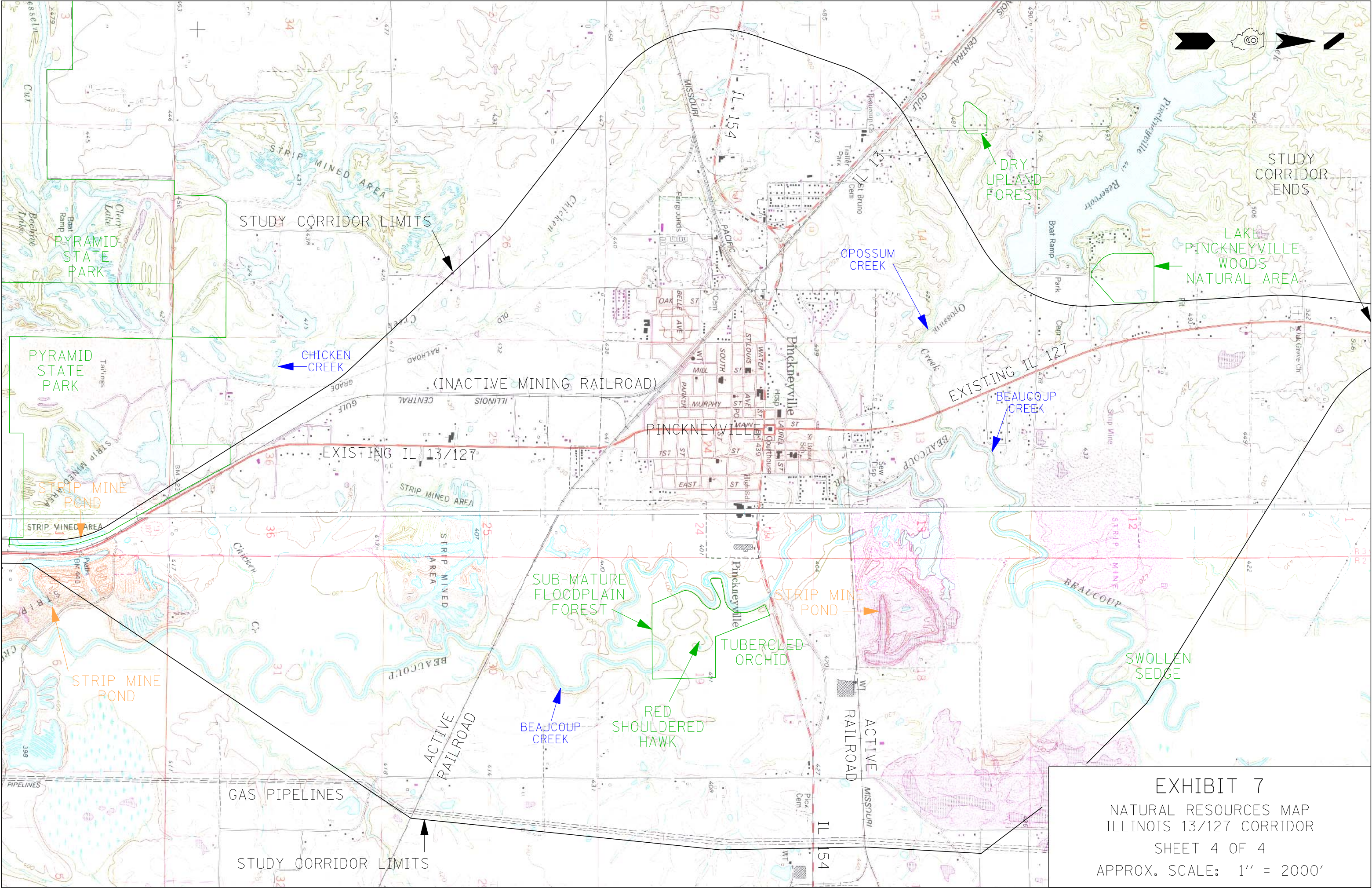


EXHIBIT 7
NATURAL RESOURCES MAP
ILLINOIS 13/127 CORRIDOR
SHEET 4 OF 4
APPROX. SCALE: 1" = 2000'

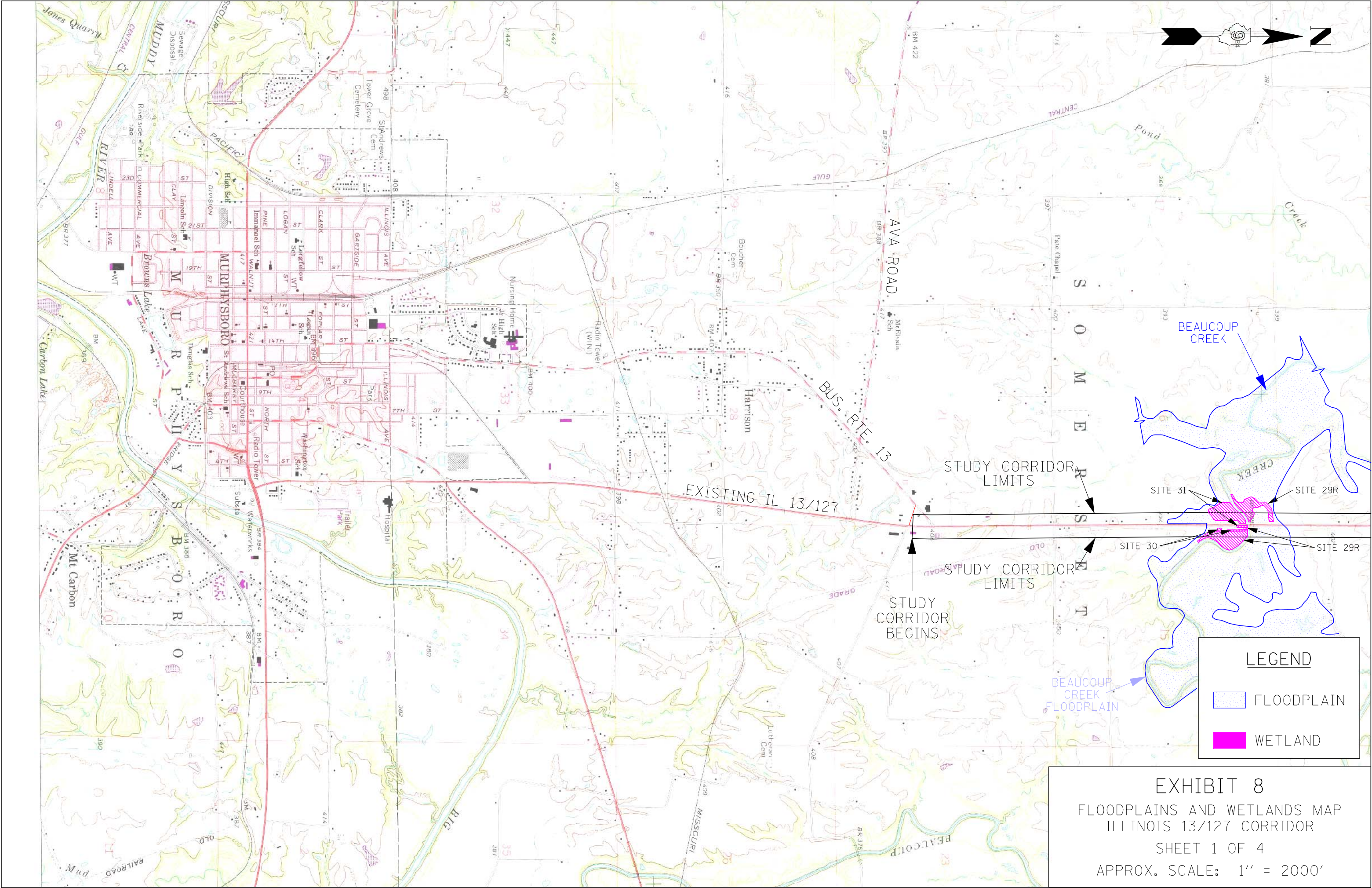
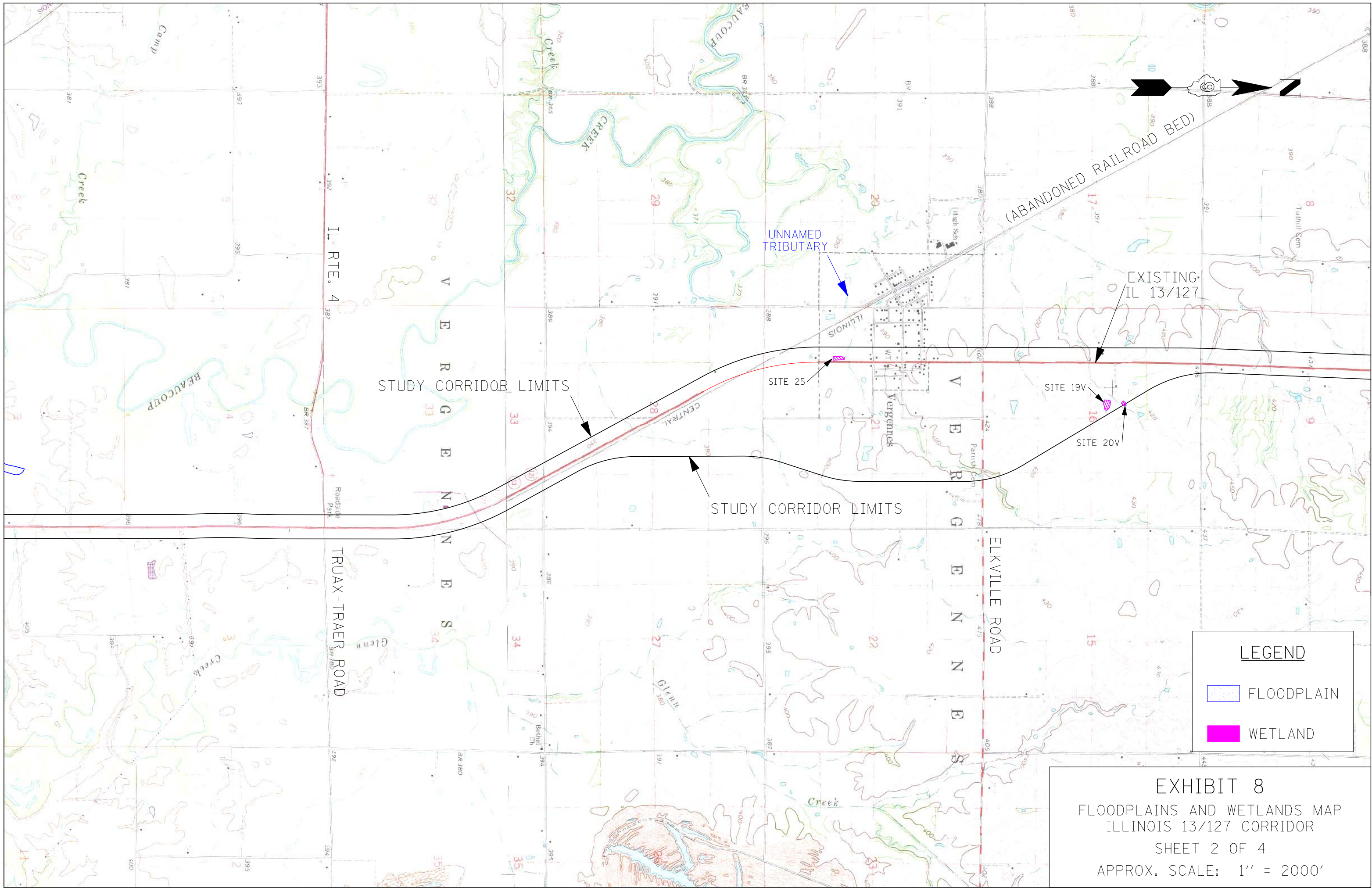


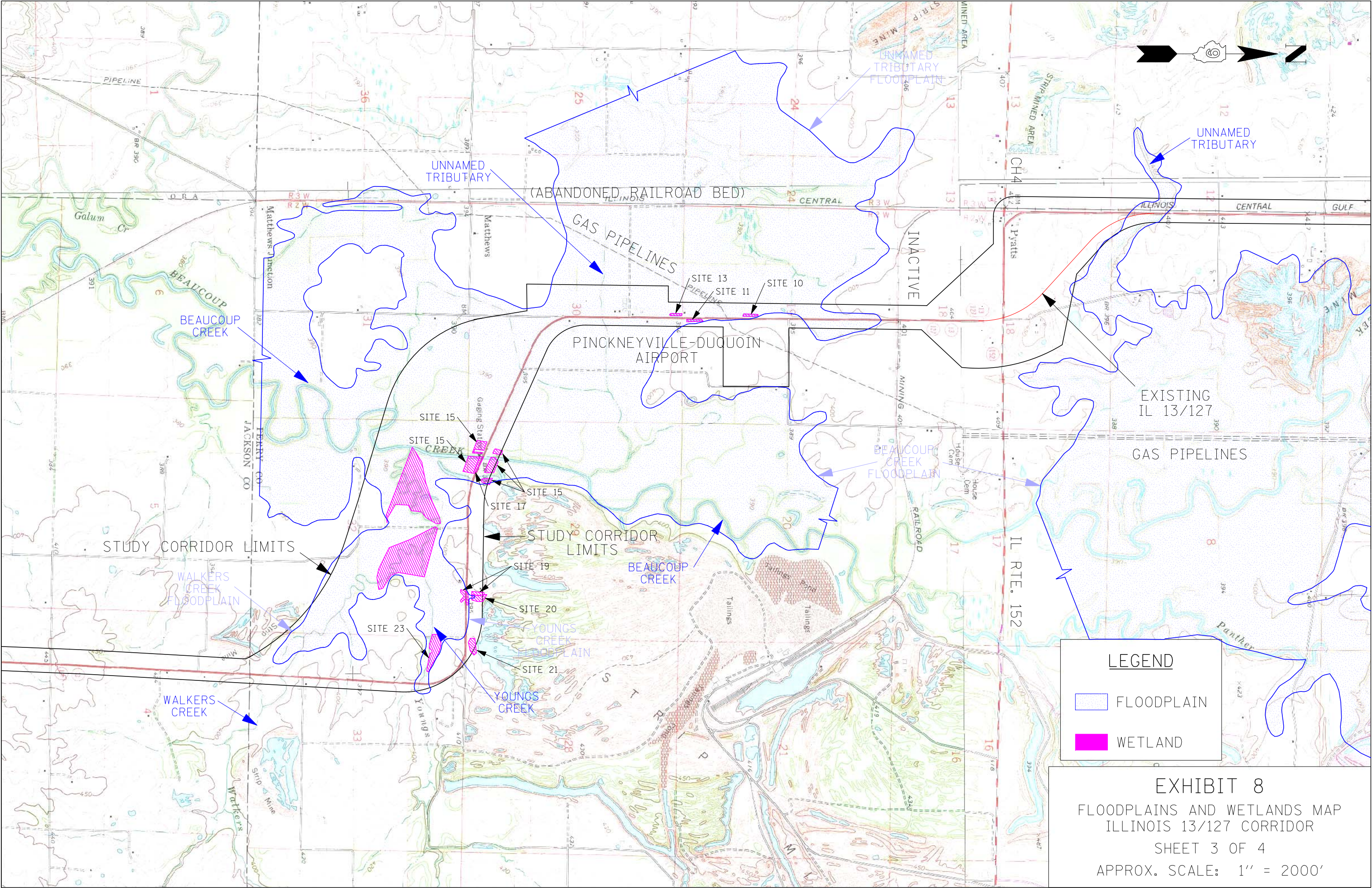
EXHIBIT 8
FLOODPLAINS AND WETLANDS MAP
ILLINOIS 13/127 CORRIDOR
SHEET 1 OF 4
APPROX. SCALE: 1" = 2000'



LEGEND

- FLOODPLAIN
- WETLAND

EXHIBIT 8
FLOODPLAINS AND WETLANDS MAP
ILLINOIS 13/127 CORRIDOR
SHEET 2 OF 4
APPROX. SCALE: 1" = 2000'

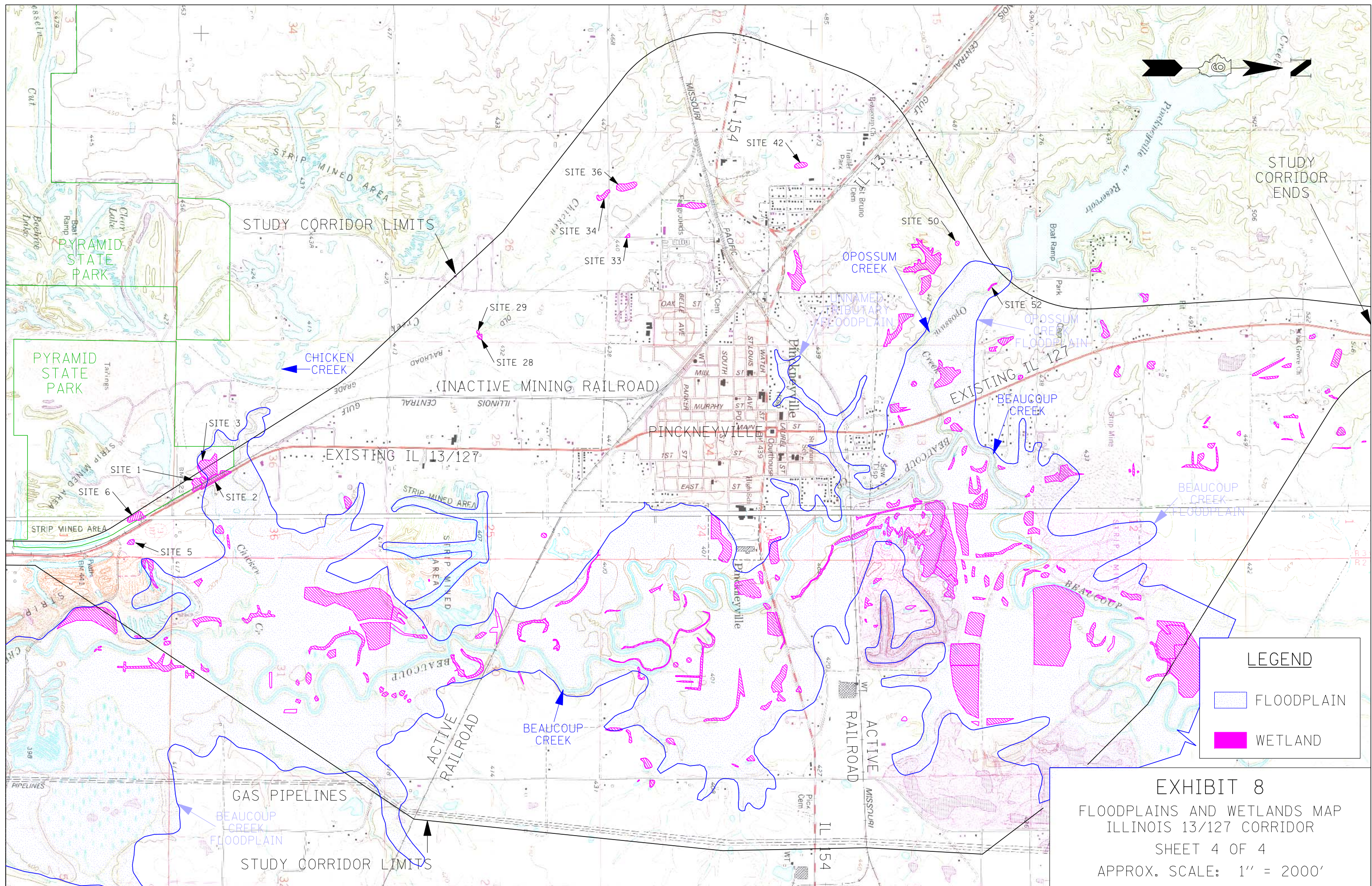


LEGEND

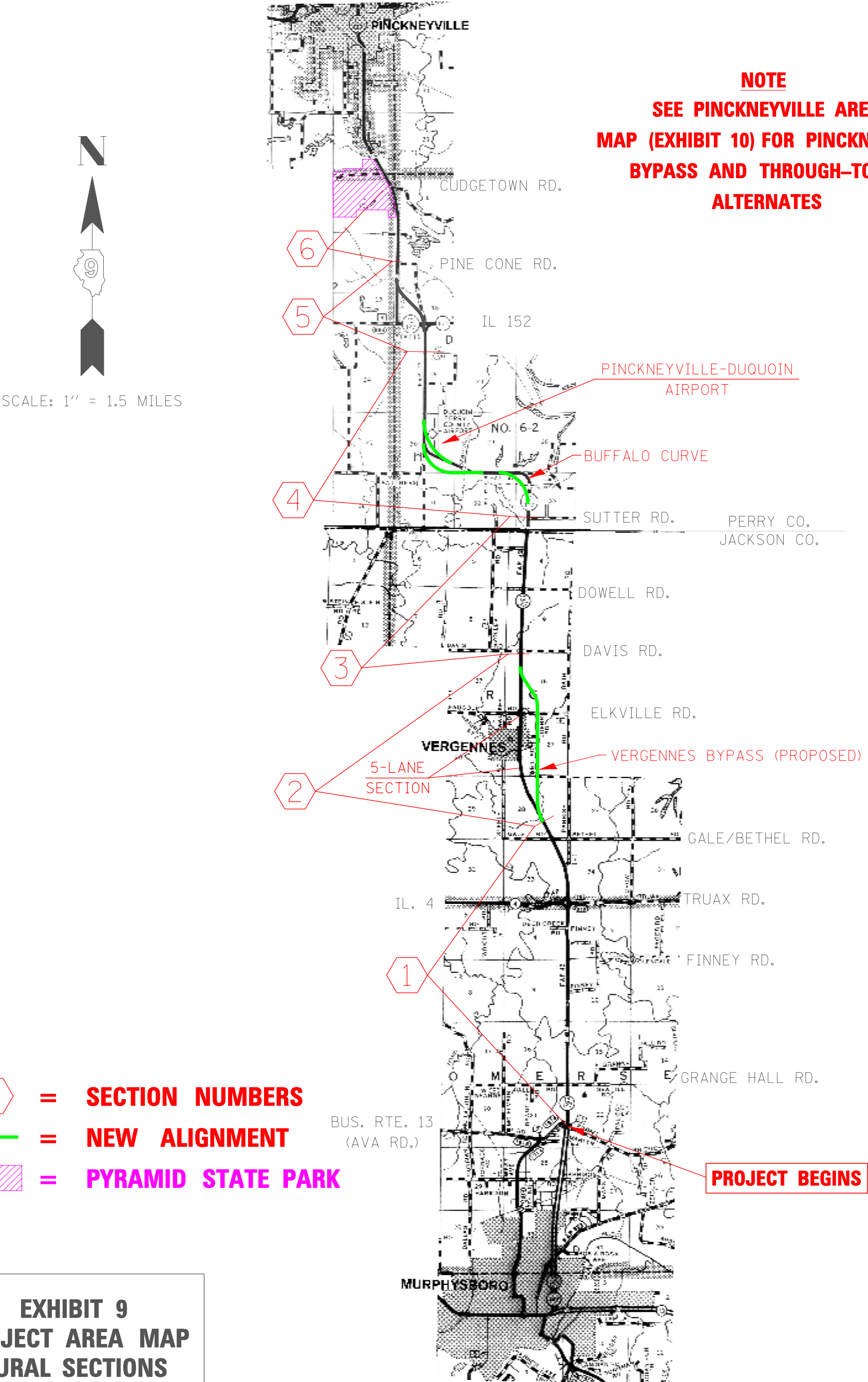
FLOODPLAIN

WETLAND

EXHIBIT 8
 FLOODPLAINS AND WETLANDS MAP
 ILLINOIS 13/127 CORRIDOR
 SHEET 3 OF 4
 APPROX. SCALE: 1" = 2000'

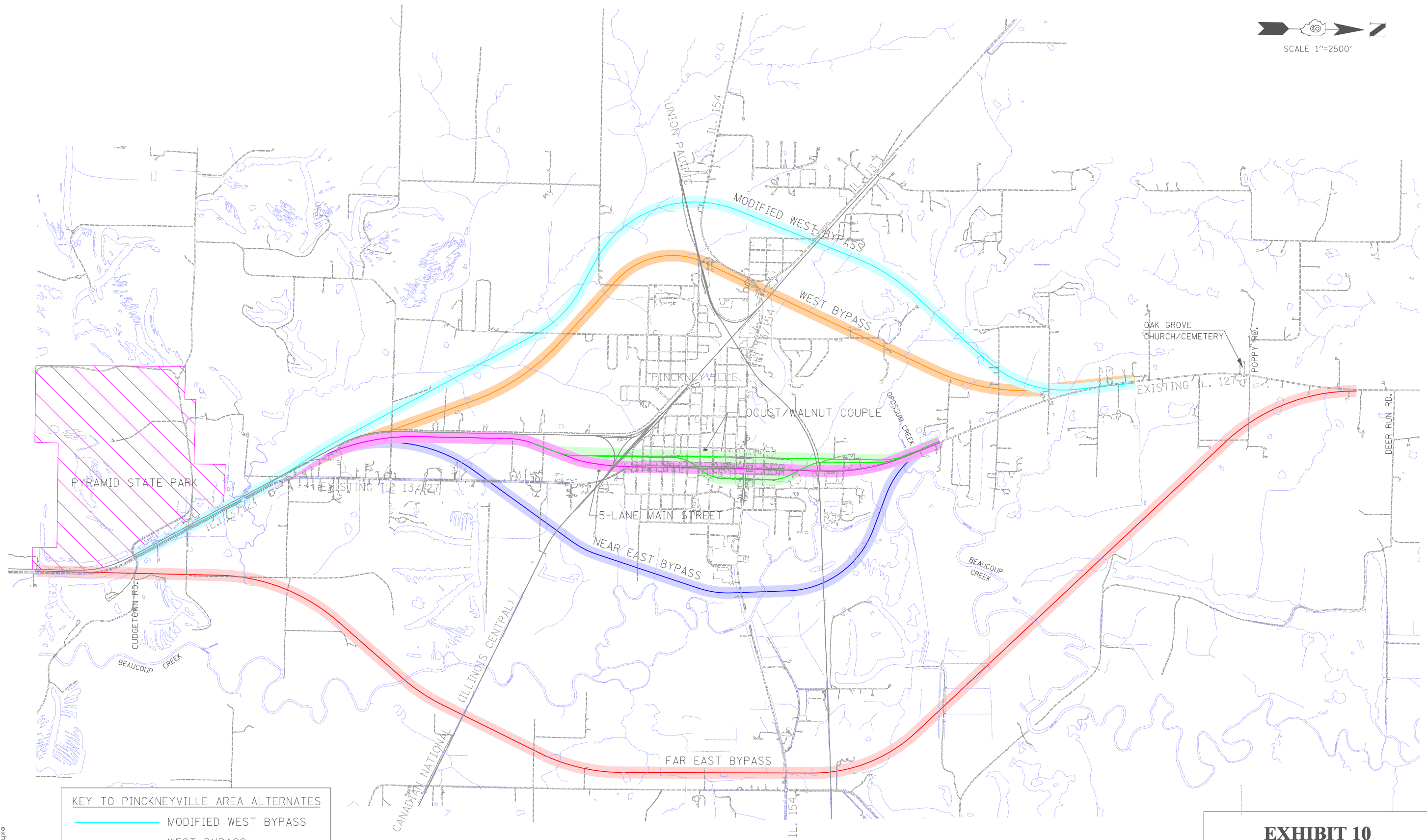


ILLINOIS 13/127 PHASE I STUDY
MURPHYSBORO TO PINCKNEYVILLE
RURAL SECTIONS



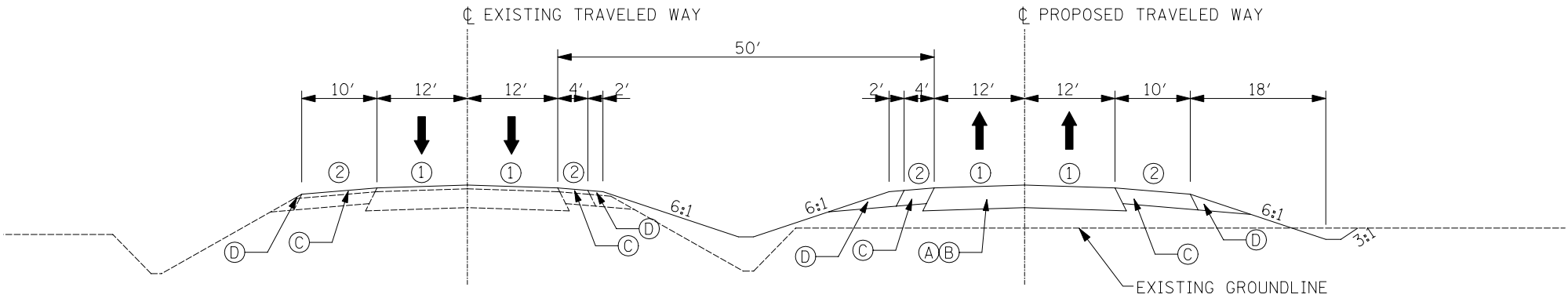
-  = **SECTION NUMBERS**
-  = **NEW ALIGNMENT**
-  = **PYRAMID STATE PARK**

EXHIBIT 9
PROJECT AREA MAP
RURAL SECTIONS



KEY TO PINCKNEYVILLE AREA ALTERNATES	
—	MODIFIED WEST BYPASS
—	WEST BYPASS
—	LOCUST/WALNUT COUPLE
—	5-LANE MAIN STREET
—	NEAR EAST BYPASS
—	FAR EAST BYPASS

EXHIBIT 10
ALTERNATE ALIGNMENTS
PINCKNEYVILLE AREA
ILLINOIS 13/127



TANGENT TYPICAL SECTION

LEGEND CROSS SECTION SLOPES

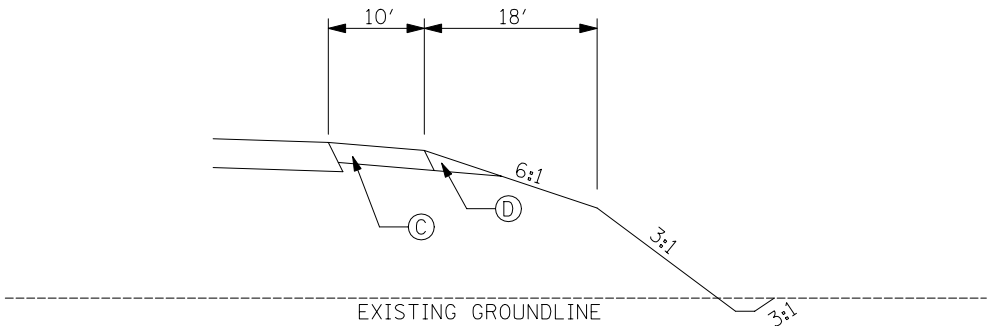
- ① $\frac{3}{16}''$ / FT
- ② $\frac{1}{2}''$ / FT

RURAL EXPRESSWAY

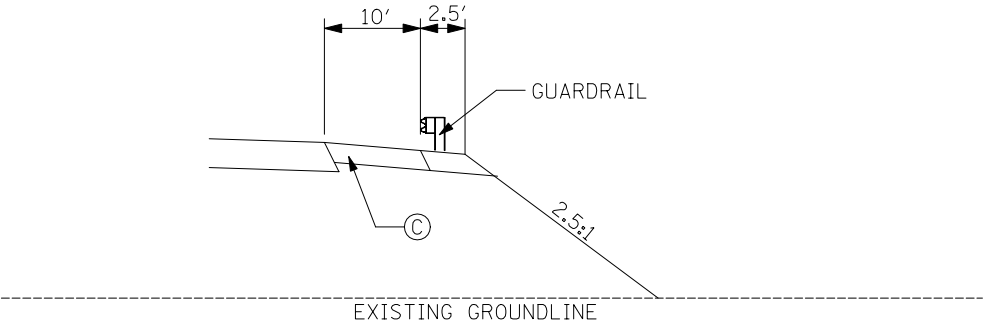
2 - 12' PAVED TRAFFIC LANES
4' PAVED & 2' AGGREGATE INSIDE SHOULDERS
10' PAVED OUTSIDE SHOULDERS
70 M.P.H. DESIGN SPEED

LEGEND CROSS SECTION ITEMS

- (A) PROPOSED BITUMINOUS SURFACE
- (B) PROPOSED BITUMINOUS BASE
- (C) PROPOSED BITUMINOUS SHOULDER
- (D) PROPOSED AGGREGATE SHOULDER TYPE B

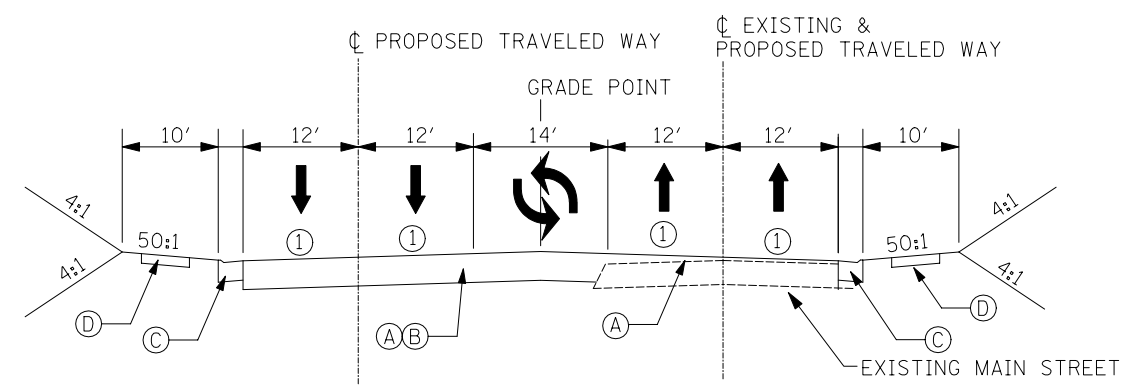


EMBANKMENT SLOPES 0' TO 30' IN HEIGHT



EMBANKMENT SLOPES OVER 30' IN HEIGHT

ILLINOIS 13/127
JACKSON - PERRY COUNTIES



TANGENT TYPICAL SECTION

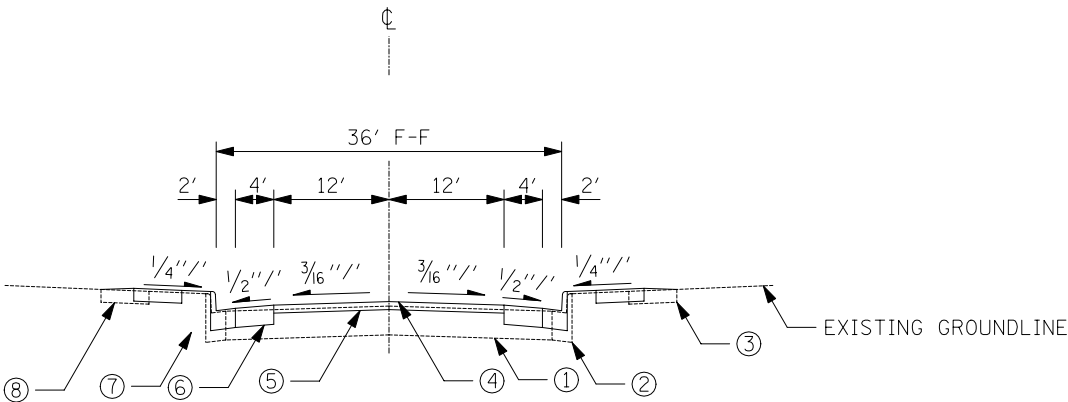
5 LANE
SECTION

2 - 12' PAVED TRAFFIC LANES
14' PAVED TURN LANE
CURB & GUTTER

LEGEND CROSS SECTION ITEMS

- ① 3/16" / FT
- Ⓐ PROPOSED BITUMINOUS SURFACE
- Ⓑ PROPOSED BITUMINOUS BASE
- Ⓒ CONCRETE CURB & GUTTER
- Ⓓ 5' CONCRETE SIDEWALK - OPTIONAL

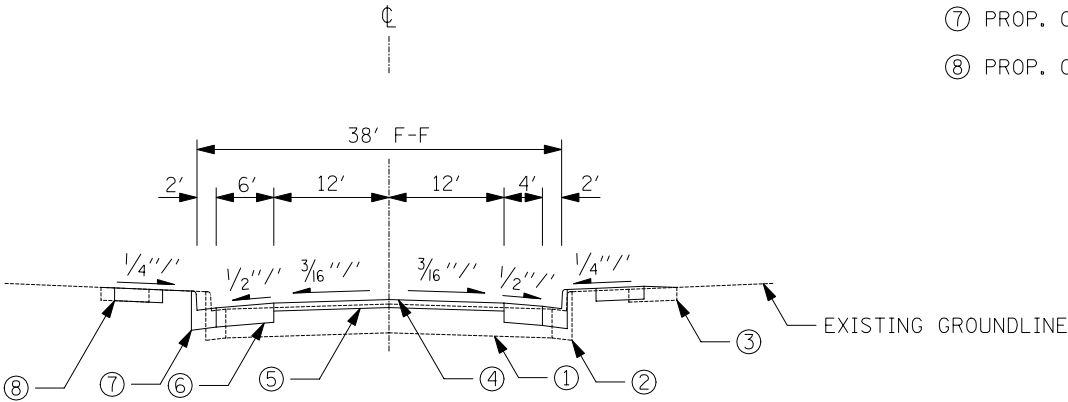
ILLINOIS 13/127
JACKSON - PERRY COUNTIES



TYPICAL SECTION
NO PARKING

- ① EXIST. PAVEMENT
(PROPOSED BITUMINOUS BASE ON NEW ALIGNMENT)
- ② EXIST. CURB AND GUTTER
- ③ EXIST. SIDEWALK
- ④ PROP. BITUMINOUS CONCRETE SURFACE COURSE
- ⑤ PROP. LEVELING BINDER
- ⑥ PROP. BITUMINOUS SHOULDER
- ⑦ PROP. CONCRETE CURB & GUTTER
- ⑧ PROP. CONCRETE SIDEWALK

COUPLE
PINCKNEYVILLE
2 - 12' PAVED TRAFFIC LANES
CURB & GUTTER
5' CONCRETE SIDEWALK - OPTIONAL
45 M.P.H. DESIGN SPEED



TYPICAL SECTION
PARKING ON ONE SIDE

ILLINOIS 13/127
JACKSON - PERRY COUNTIES

ILLINOIS 13/27 PHASE I STUDY

MURPHYSBORO TO PINCKNEYVILLE

PRELIMINARY ALTERNATES ELIMINATED

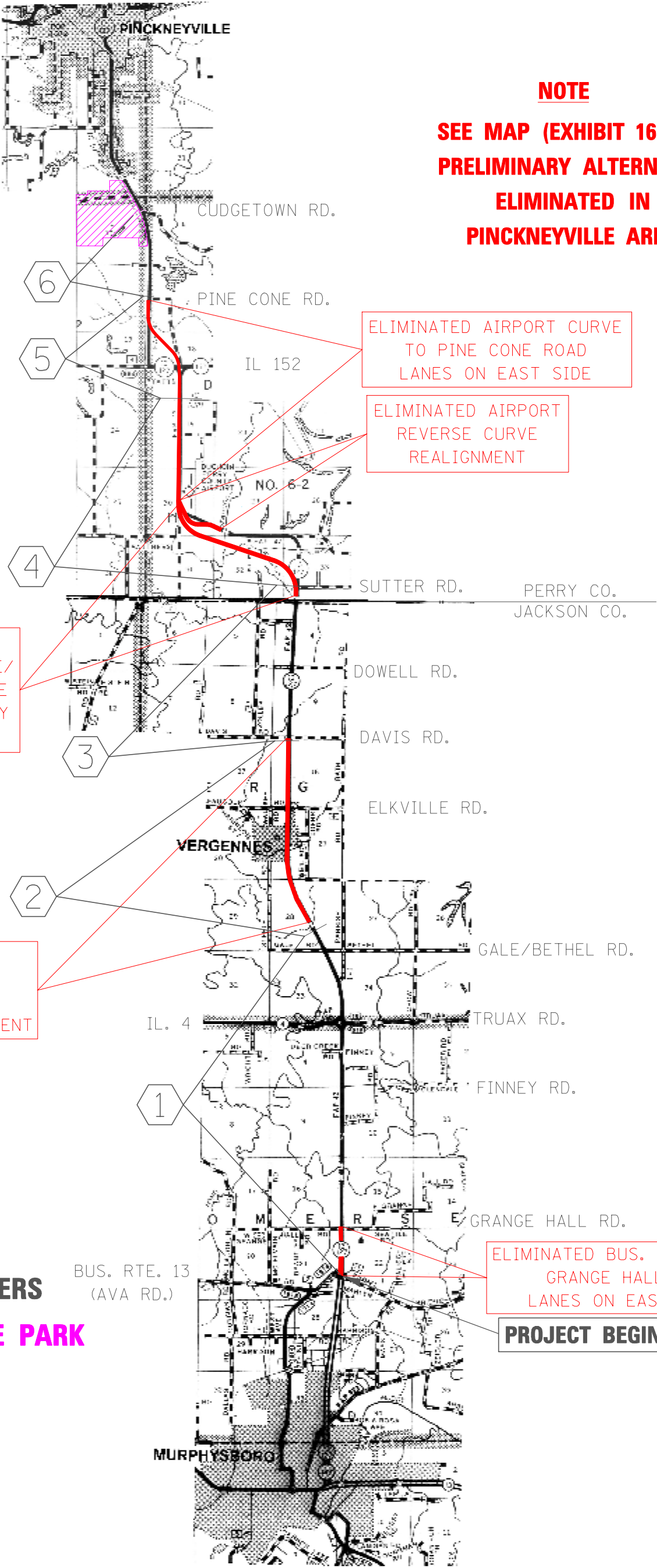
(RURAL SECTIONS)

NOTE

**SEE MAP (EXHIBIT 16) FOR
PRELIMINARY ALTERNATES
ELIMINATED IN
PINCKNEYVILLE AREA**



SCALE: 1" = 1.5 MILES



ELIMINATED
BUFFALO CURVE/
AIRPORT CURVE
CROSS-COUNTRY
RELOCATION

ELIMINATED AIRPORT CURVE
TO PINE CONE ROAD
LANES ON EAST SIDE

ELIMINATED AIRPORT
REVERSE CURVE
REALIGNMENT

PERRY CO.
JACKSON CO.

ELIMINATED 5-LANE ALTERNATES
THROUGH VERGENNES
(1) WIDENING ON WEST SIDE AND
(2) CENTERED ON EXISTING PAVEMENT

ELIMINATED BUS. RTE. 13 TO
GRANGE HALL RD.
LANES ON EAST SIDE

PROJECT BEGINS

 = **SECTION NUMBERS**

 = **PYRAMID STATE PARK**

EXHIBIT 14
PRELIMINARY ALTERNATES
ELIMINATED
RURAL SECTIONS

exhibit15_DisAltRural.dgn

ILLINOIS 13/127 PHASE I STUDY

MURPHYSBORO TO PINCKNEYVILLE

ALTERNATES DISMISSED AFTER FURTHER STUDY

RURAL SECTIONS

NOTE

SEE MAP (EXHIBIT 17) FOR
ALTERNATES DISMISSED
AFTER FURTHER STUDY
IN PINCKNEYVILLE AREA



SCALE: 1" = 1.5 MILES

DISMISSED WIDENING ON
THE WEST SIDE USING
EXISTING INTERSECTION OPTION

DISMISSED REALIGNMENT
FROM BEAUCOUP CREEK
THROUGH AIRPORT
CURVE OPTION

DISMISSED 5-LANE
ALTERNATE THROUGH
VERGENNES
WIDENING ON EAST SIDE

DISMISSED WIDENING ON
THE EAST SIDE OPTION

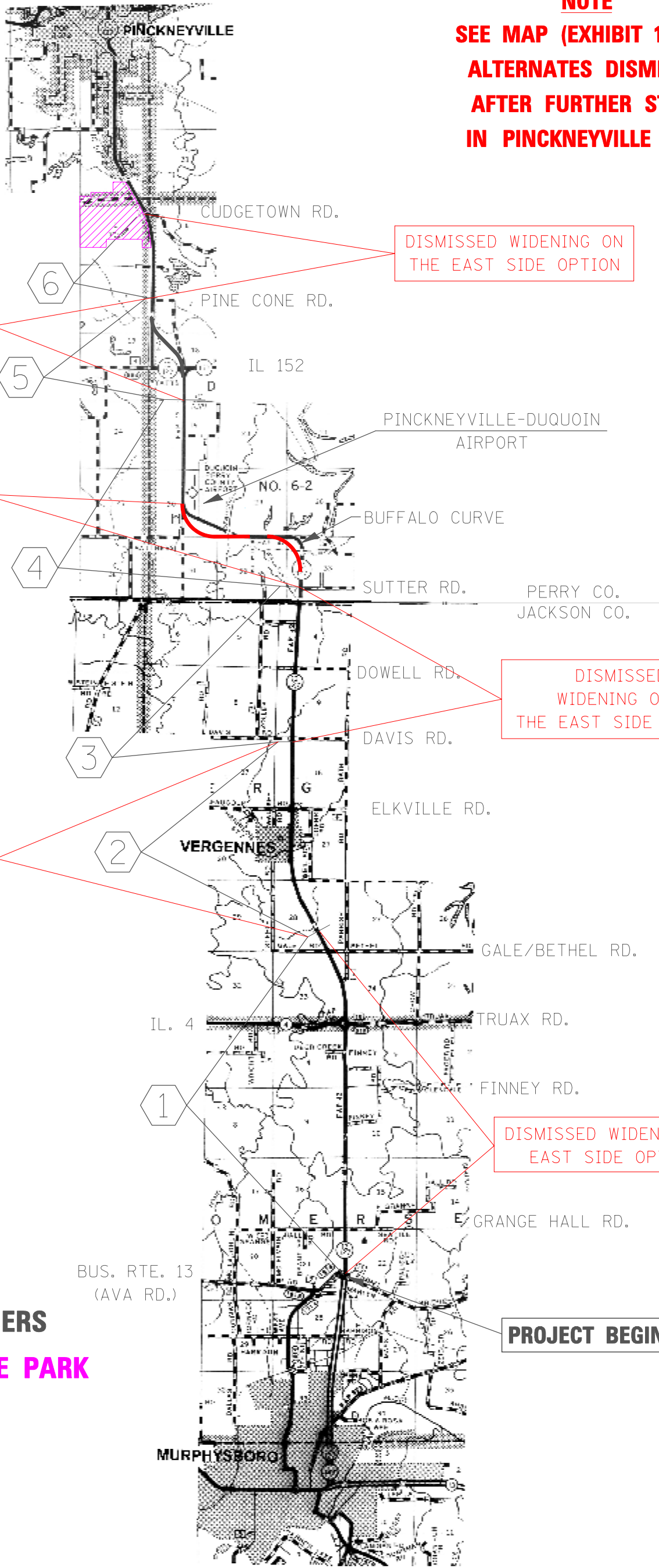
DISMISSED
WIDENING ON
THE EAST SIDE OPTION

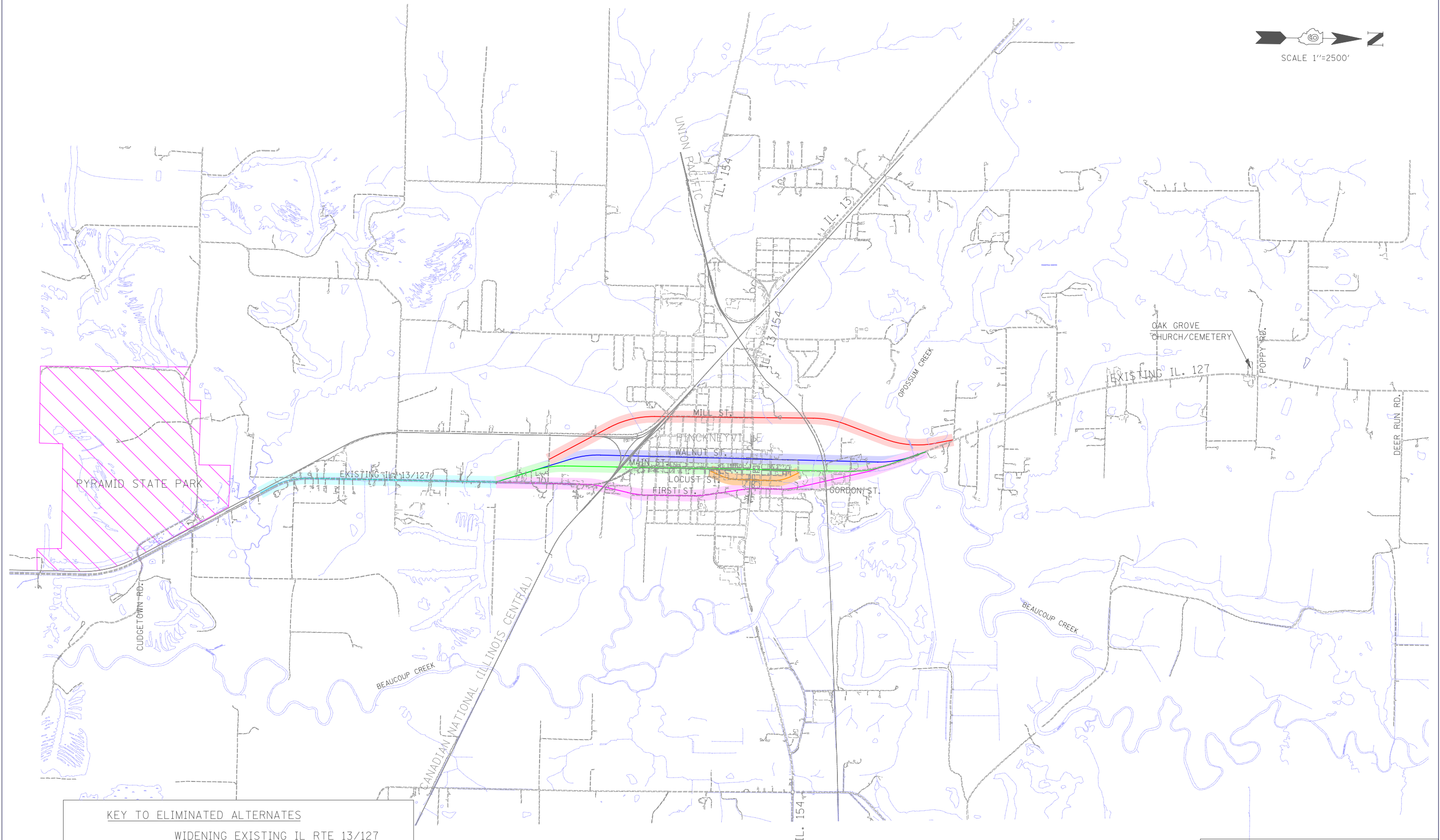
DISMISSED WIDENING ON
EAST SIDE OPTION

 = SECTION NUMBERS

 = PYRAMID STATE PARK

EXHIBIT 15
ALTERNATES DISMISSED
AFTER FURTHER STUDY
RURAL SECTIONS

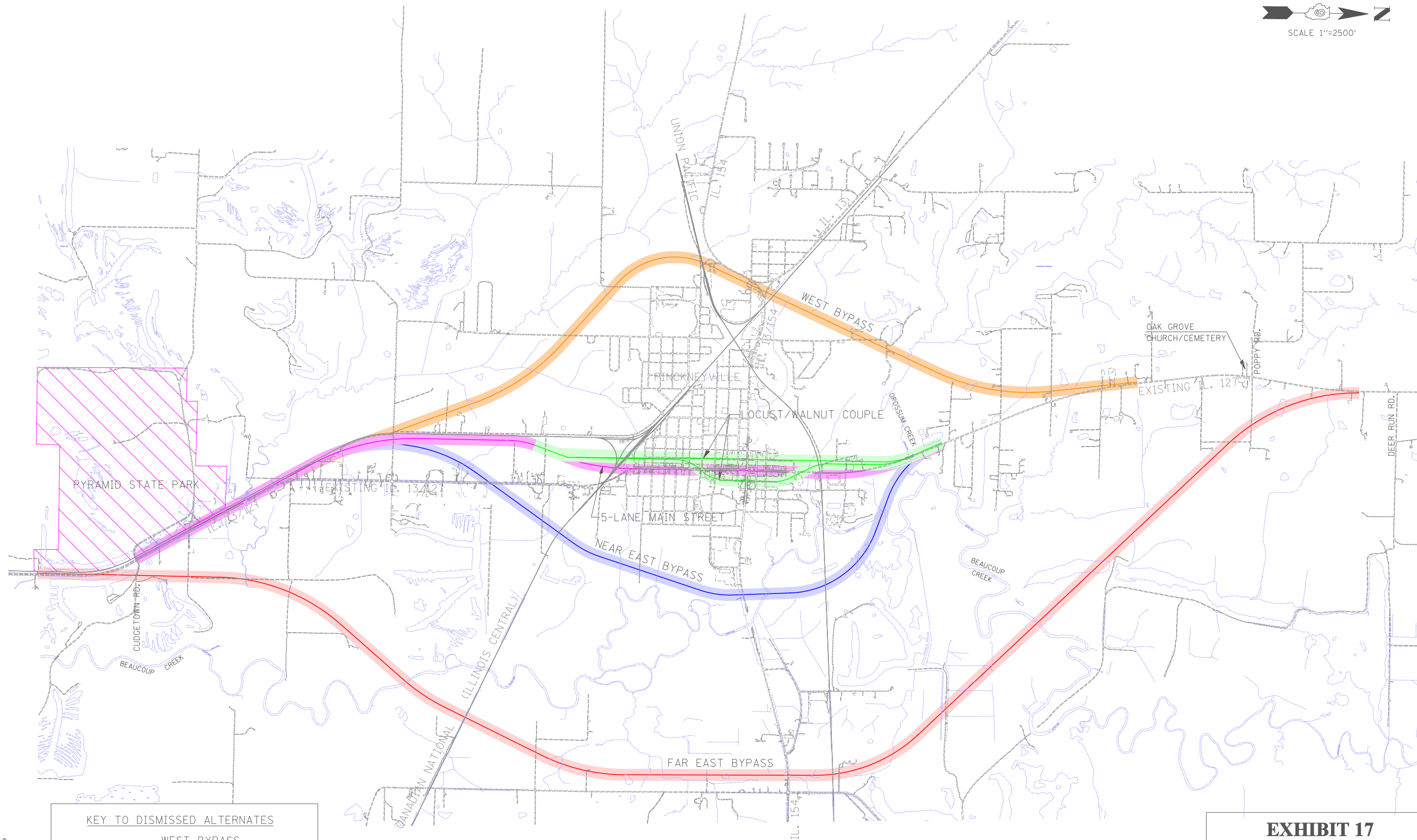




KEY TO ELIMINATED ALTERNATES

- WIDENING EXISTING IL RTE 13/127 SOUTH OF PINCKNEYVILLE (1.5 MILES±)
- 5-LANE MILL ST.
- MAIN-MILL COUPLE
- MAIN- WALNUT COUPLE
- MAIN/LOCUST-WALNUT COUPLE
- FIRST/GORDON-MAIN COUPLE

EXHIBIT 16
PRELIMINARY ALTERNATES
ELIMINATED
PINCKNEYVILLE AREA
ILLINOIS 13/127



KEY TO DISMISSED ALTERNATES

- WEST BYPASS
- LOCUST/WALNUT COUPLE
- 5-LANE MAIN STREET
- NEAR EAST BYPASS
- FAR EAST BYPASS

EXHIBIT 17
ALTERNATES DISMISSED
AFTER FURTHER STUDY
PINCKNEYVILLE AREA
ILLINOIS 13/127

ILLINOIS 13/27 PHASE I STUDY
MURPHYSBORO TO PINCKNEYVILLE
PREFERRED ALTERNATIVE
(RURAL SECTIONS)

exhibit18-PreAltRural.dgn

NOTE

SEE MAP (EXHIBIT 19) FOR
PREFERRED ALTERNATE
PINCKNEYVILLE AREA



SCALE: 1" = 1.5 MILES

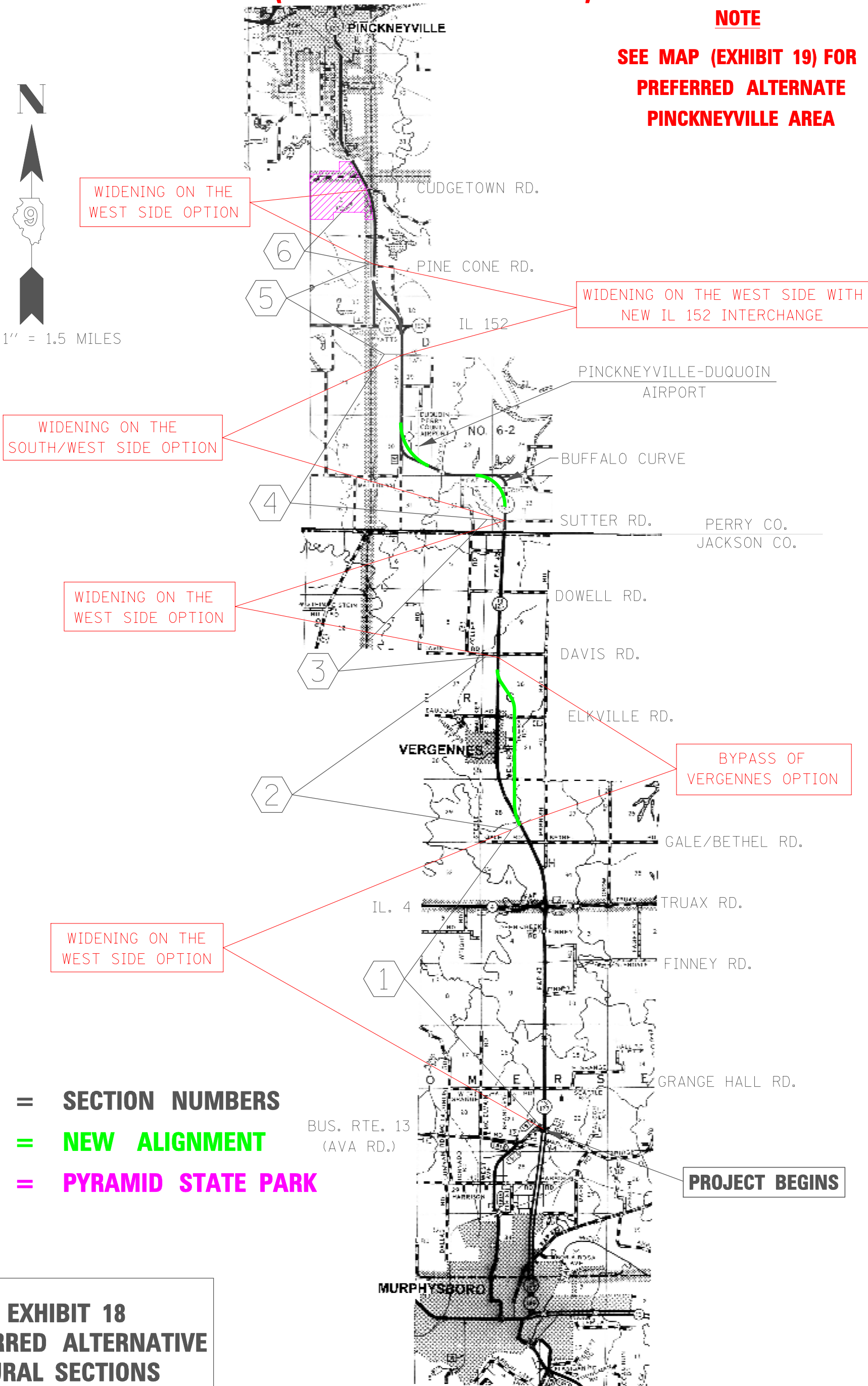


EXHIBIT 18
PREFERRED ALTERNATIVE
RURAL SECTIONS

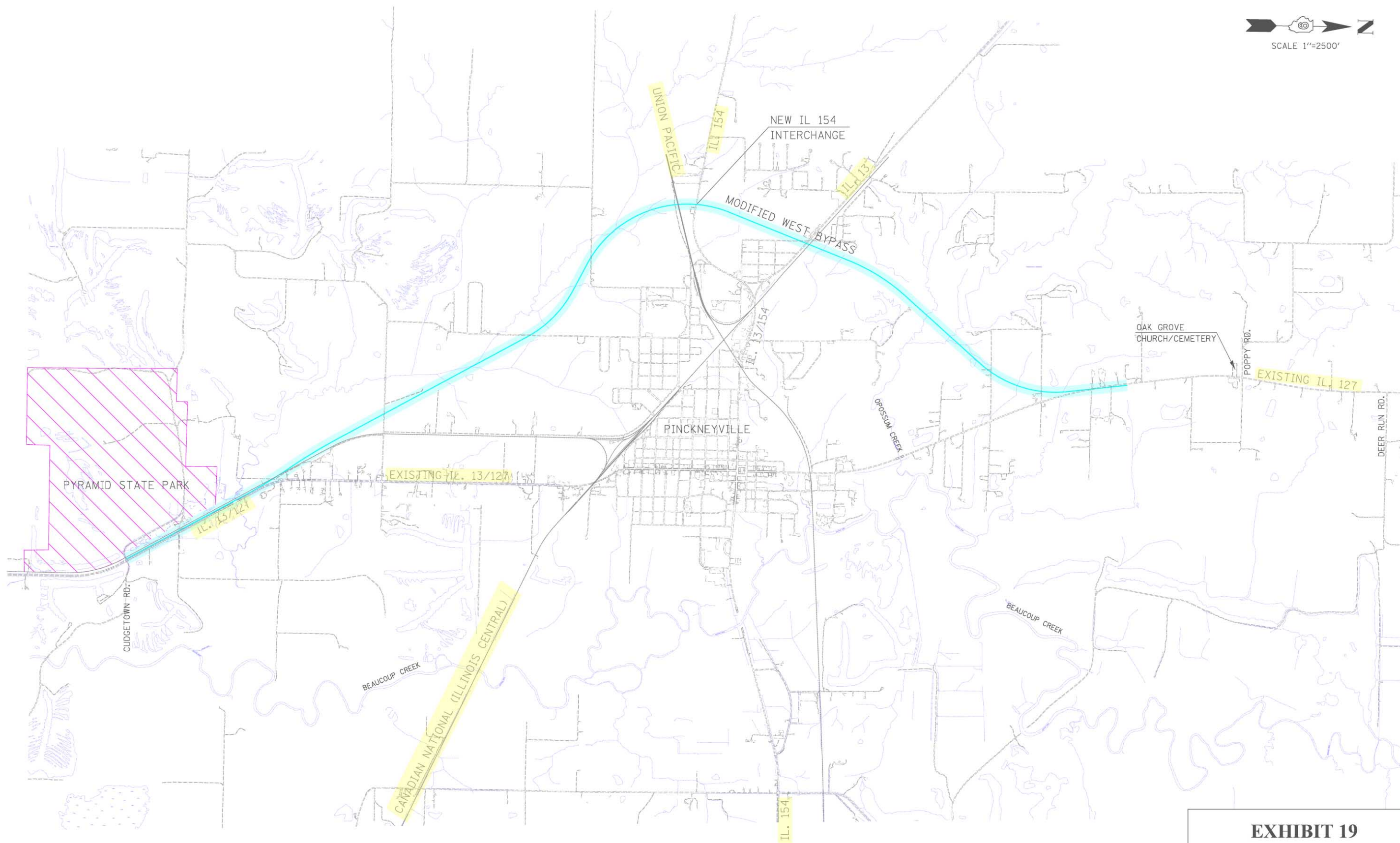
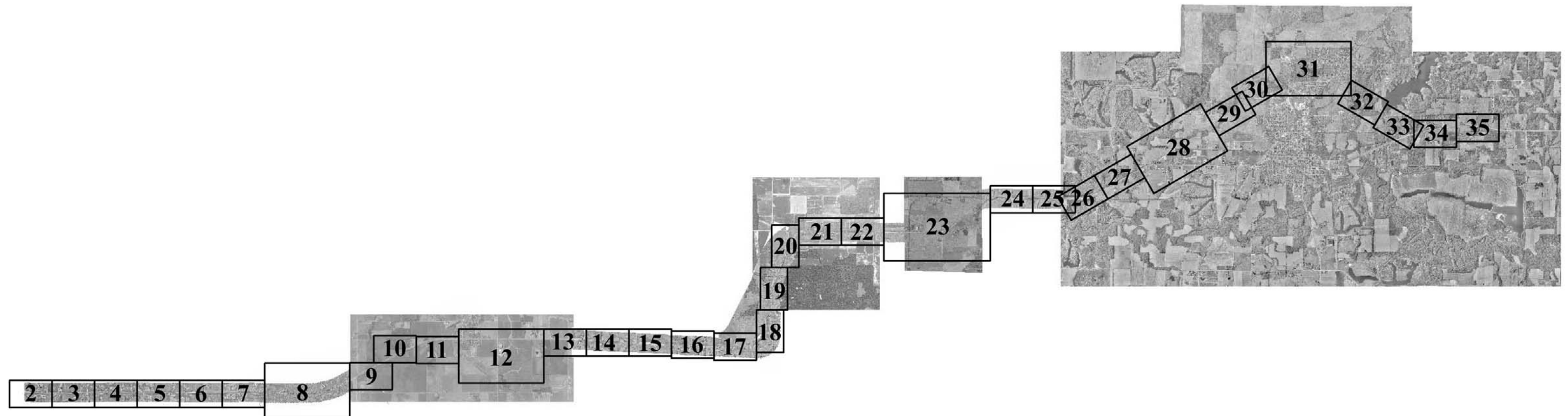
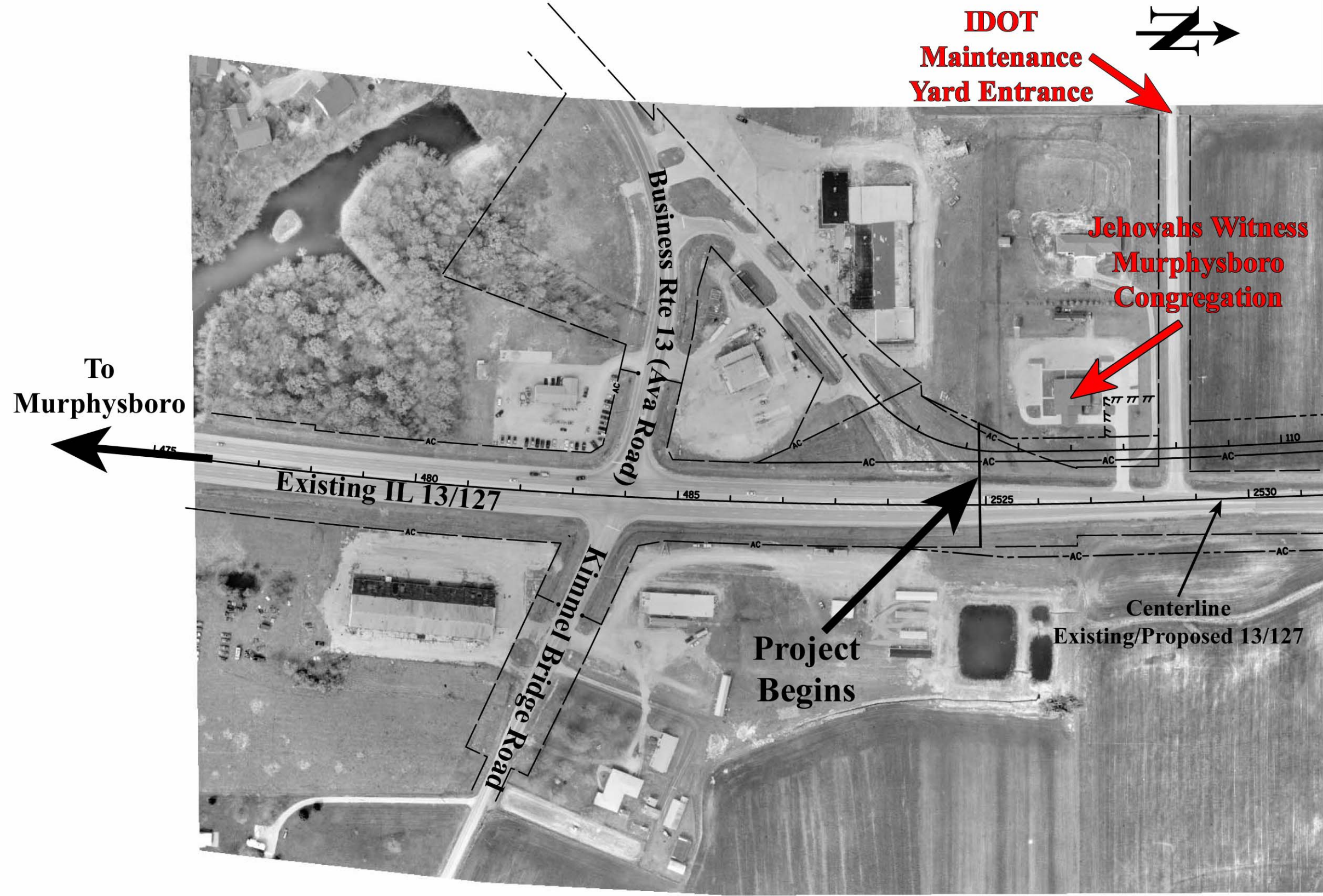


EXHIBIT 19
PREFERRED ALTERNATIVE
PINCKNEYVILLE AREA
ILLINOIS 13/127



Note: The figure above shows the layout of Exhibit 20 (Environmental Consequences of Preferred Alternate), sheets 2-35. Items **labeled in red** on sheets 2-35 are discussed in Section 4 (Environmental Consequences) of this report.

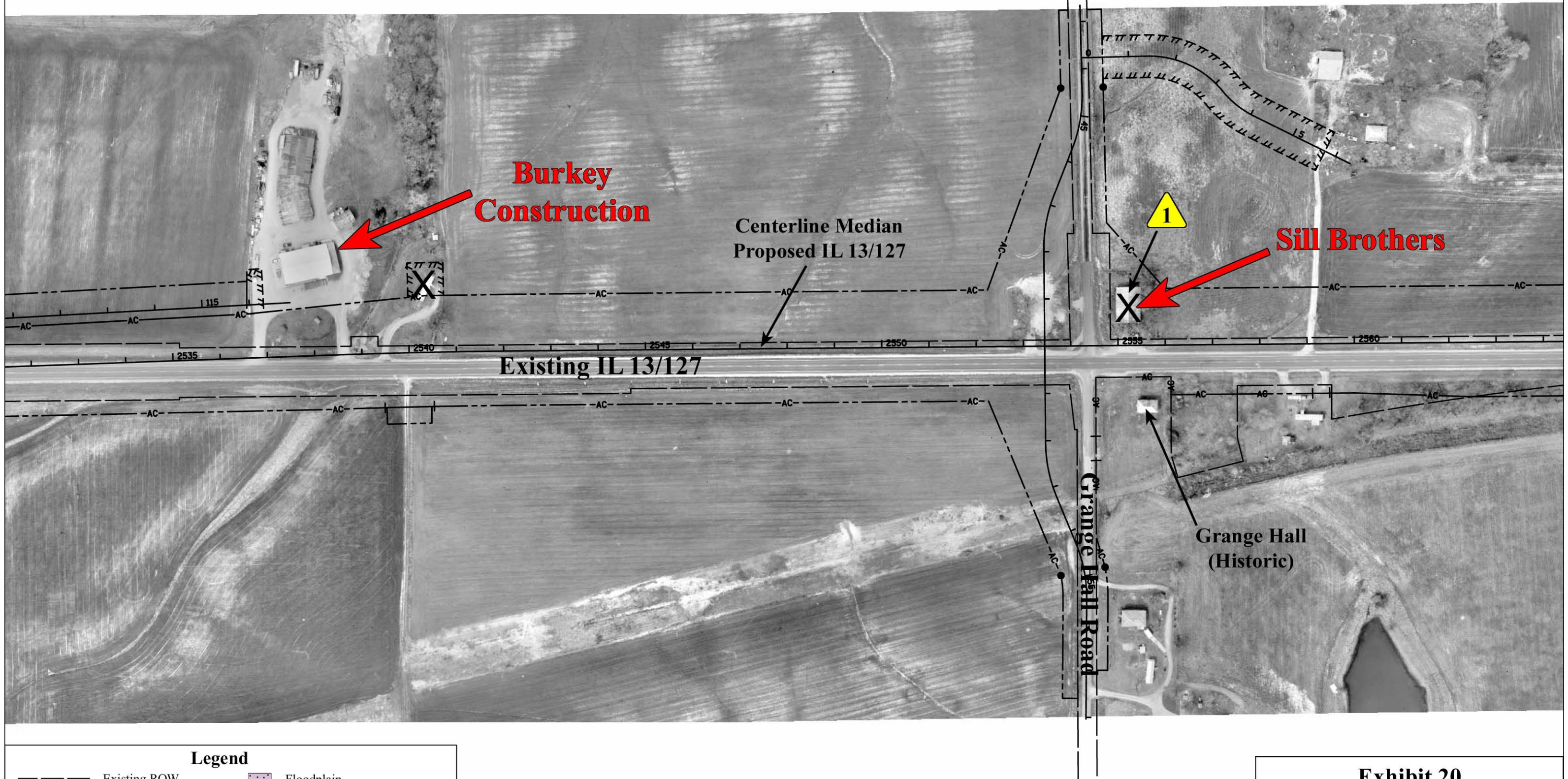
Exhibit 20
Map Key
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 1 of 35



Legend

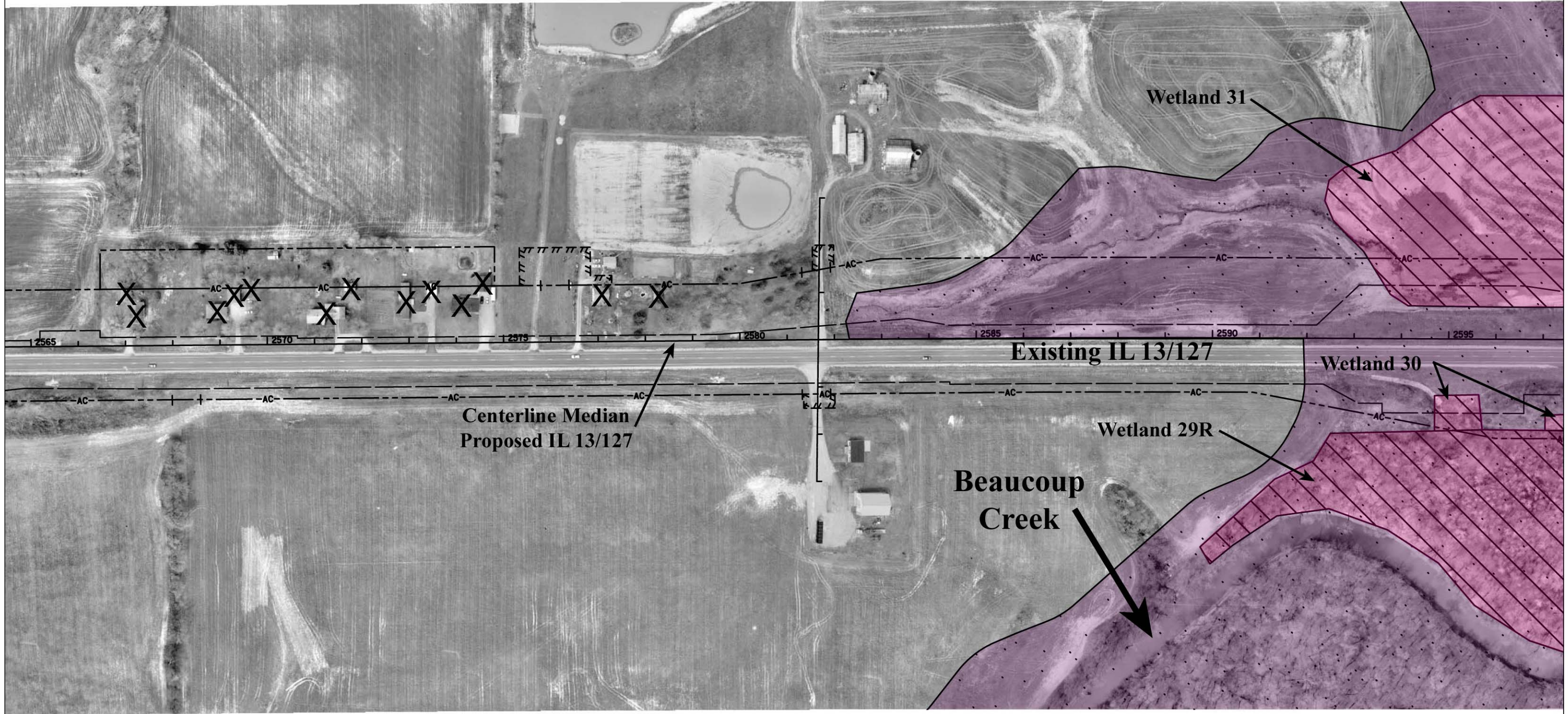
- | | | | |
|--|-----------------------|--|----------------------------|
| | Existing ROW | | Floodplain |
| | Proposed ROW | | Wetland |
| | Access Control Line | | Impacted Noise Receptor |
| | Proposed Easement | | Impacted Spec. Waste Site |
| | Access Control Break | | Impacted Haz. Waste Site |
| | Access Control Ends | | Noteworthy Plant Community |
| | Bridge | | Park Boundary |
| | Building Displacement | | |

Exhibit 20
Environmental Consequences
of Preferred Alternative
 Illinois 13/127
 Sheet 2 of 35
 Scale: 1" = 200'



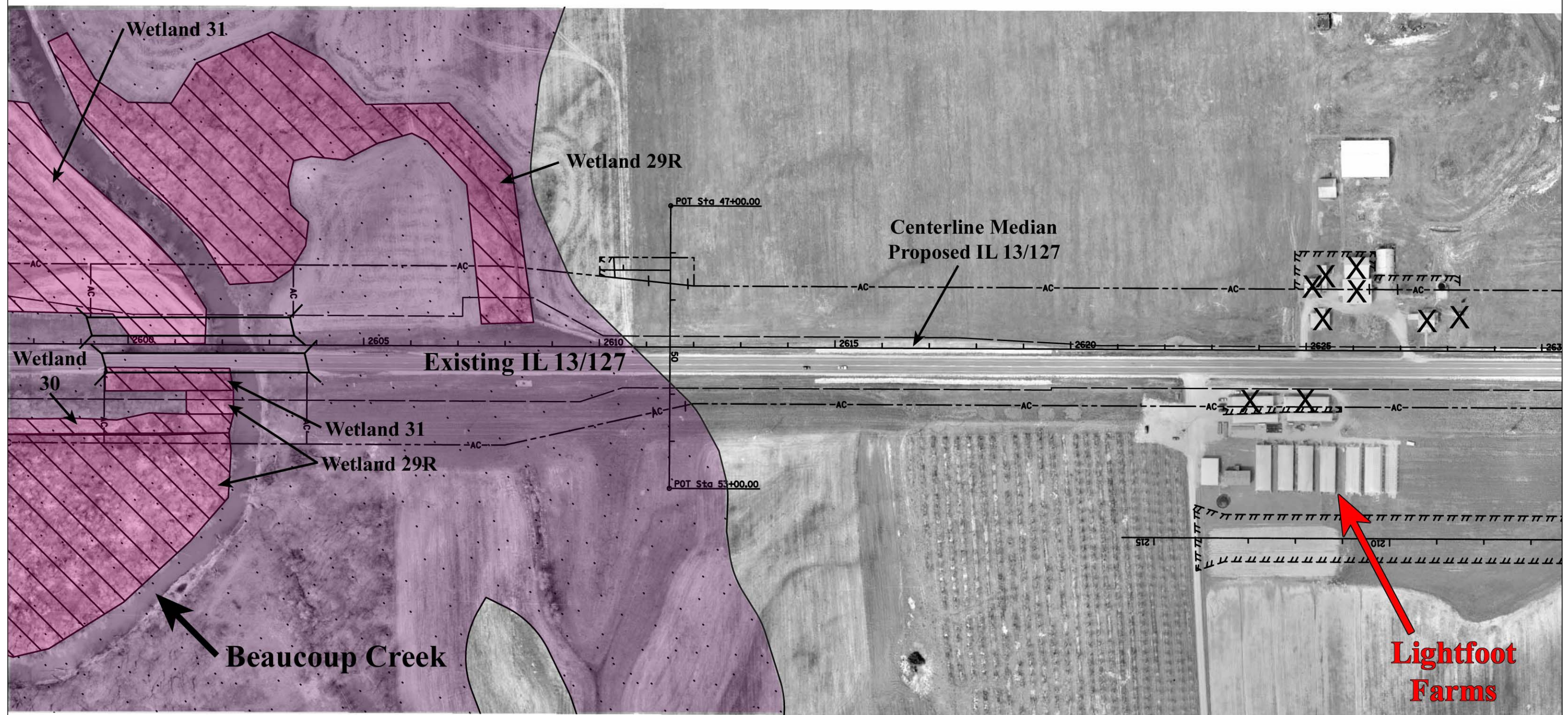
Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 3 of 35
Scale: 1" = 200'



Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

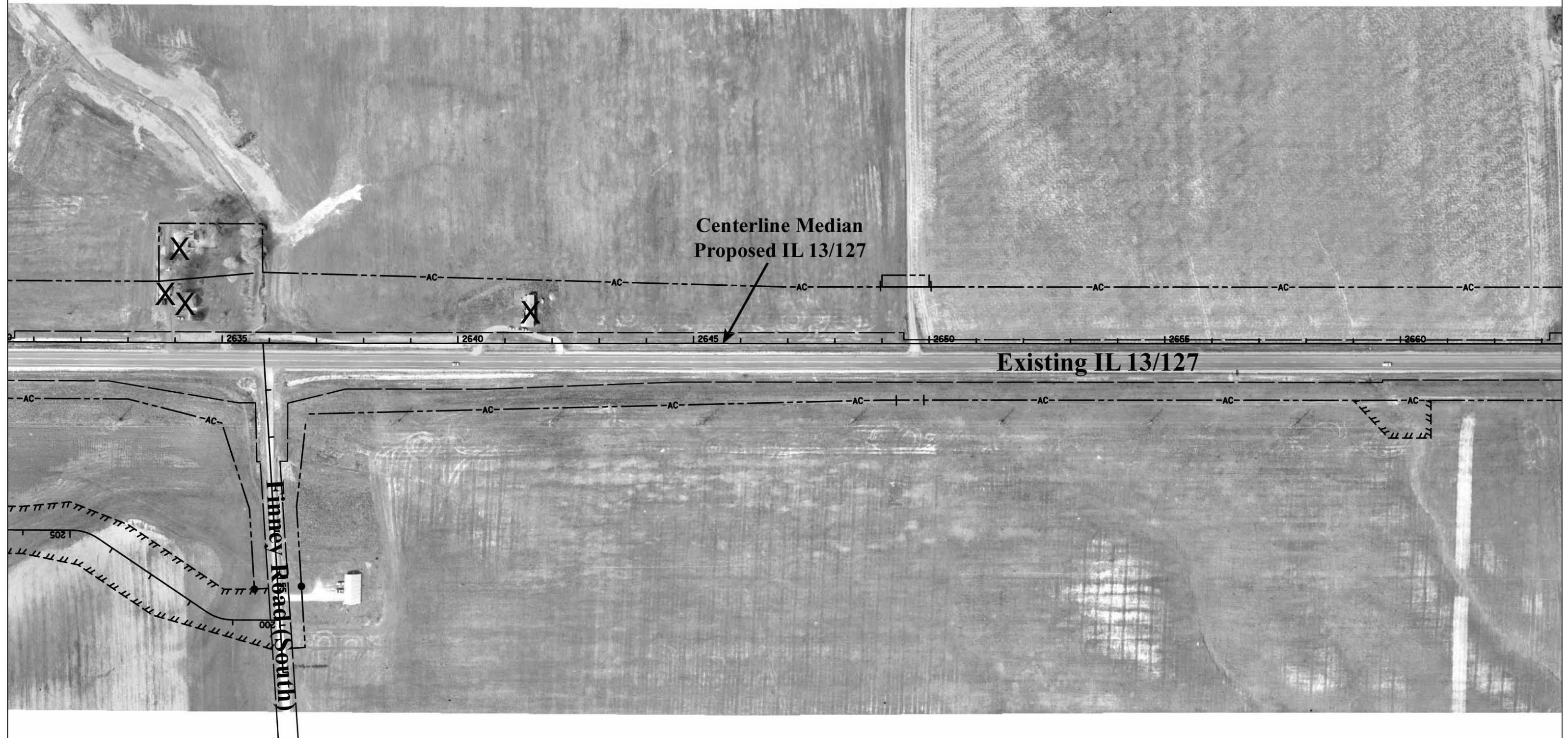
Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 4 of 35
Scale: 1" = 200'



Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

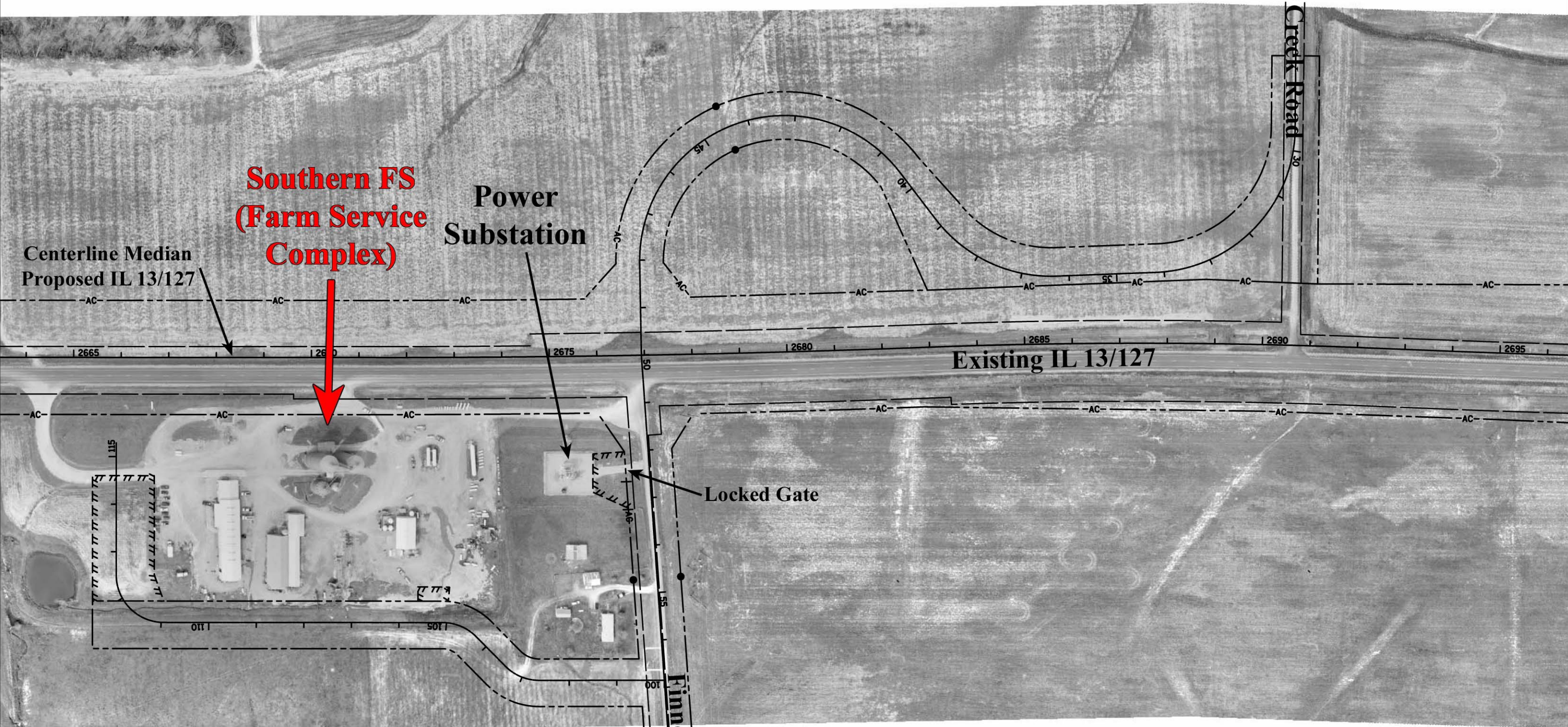
Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 5 of 35
Scale: 1" = 200'



Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 6 of 35
Scale: 1" = 200'



Legend

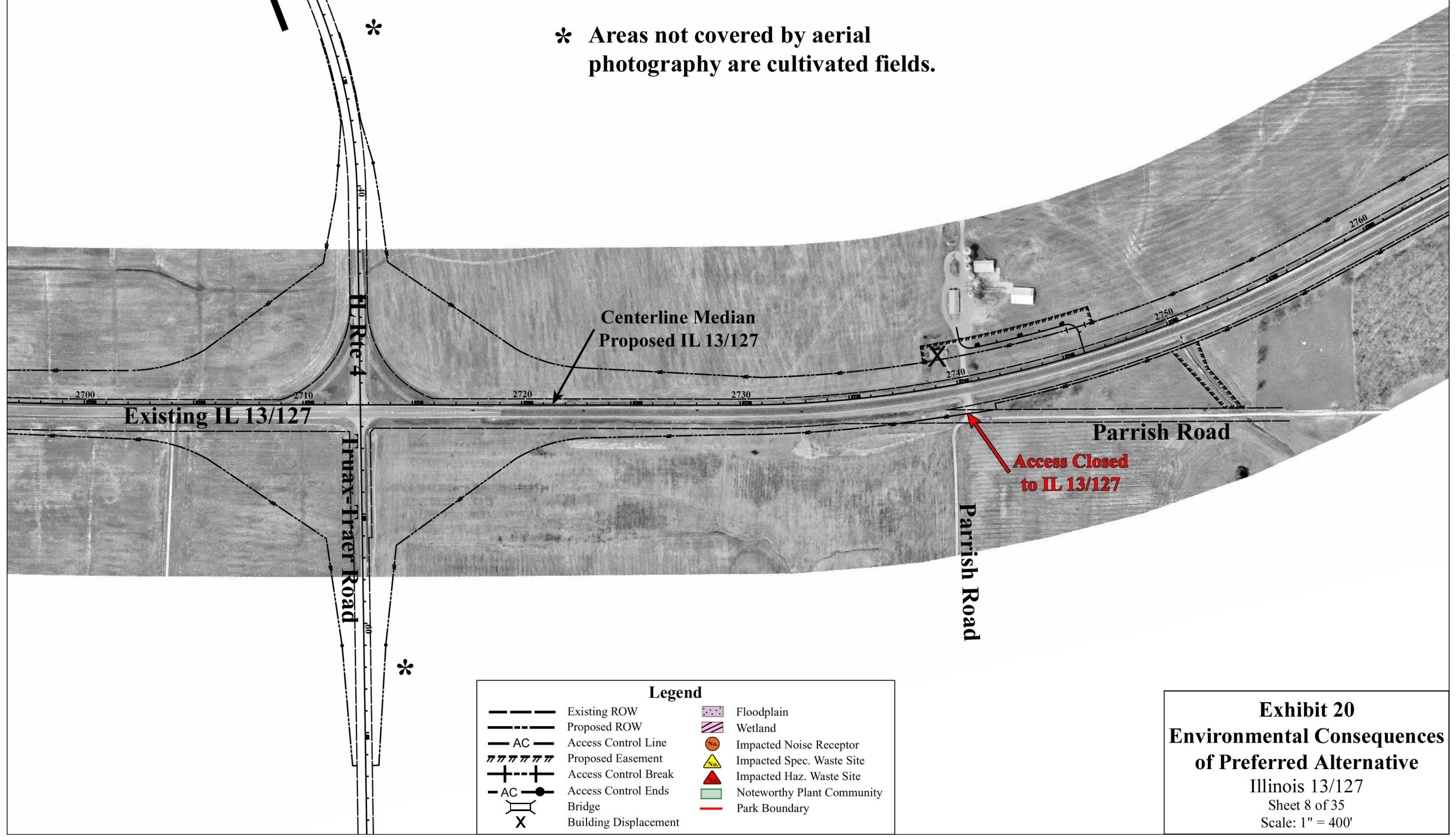
- | | | | |
|--|-----------------------|--|----------------------------|
| | Existing ROW | | Floodplain |
| | Proposed ROW | | Wetland |
| | Access Control Line | | Impacted Noise Receptor |
| | Proposed Easement | | Impacted Spec. Waste Site |
| | Access Control Break | | Impacted Haz. Waste Site |
| | Access Control Ends | | Noteworthy Plant Community |
| | Bridge | | Park Boundary |
| | Building Displacement | | |

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 7 of 35
Scale: 1" = 200'

To Ava



* Areas not covered by aerial
photography are cultivated fields.



Centerline Median
Proposed IL 13/127

Existing IL 13/127

Parrish Road

Access Closed
to IL 13/127

Parrish Road

Trux-Fraer Road

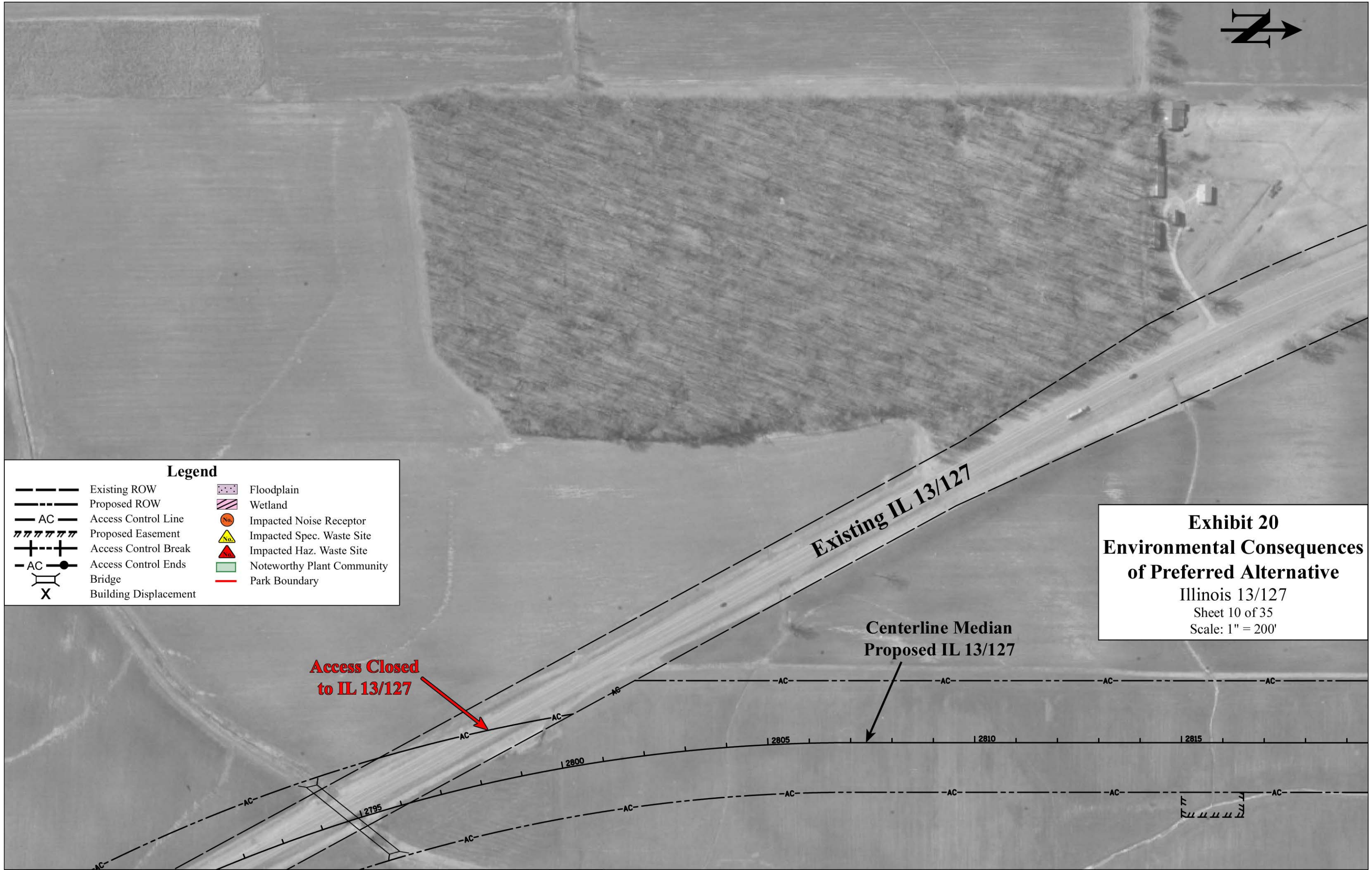
IL Rte 4

Legend

- | | | | |
|--|-----------------------|--|----------------------------|
| | Existing ROW | | Floodplain |
| | Proposed ROW | | Wetland |
| | Access Control Line | | Impacted Noise Receptor |
| | Proposed Easement | | Impacted Spec. Waste Site |
| | Access Control Break | | Impacted Haz. Waste Site |
| | Access Control Ends | | Noteworthy Plant Community |
| | Bridge | | Park Boundary |
| | Building Displacement | | |

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 8 of 35
Scale: 1" = 400'





Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 10 of 35
Scale: 1" = 200'

**Access Closed
to IL 13/127**

**Centerline Median
Proposed IL 13/127**



Existing IL 13/127

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 11 of 35
Scale: 1" = 200'

Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

**Access Closed to
Proposed IL 13/127**

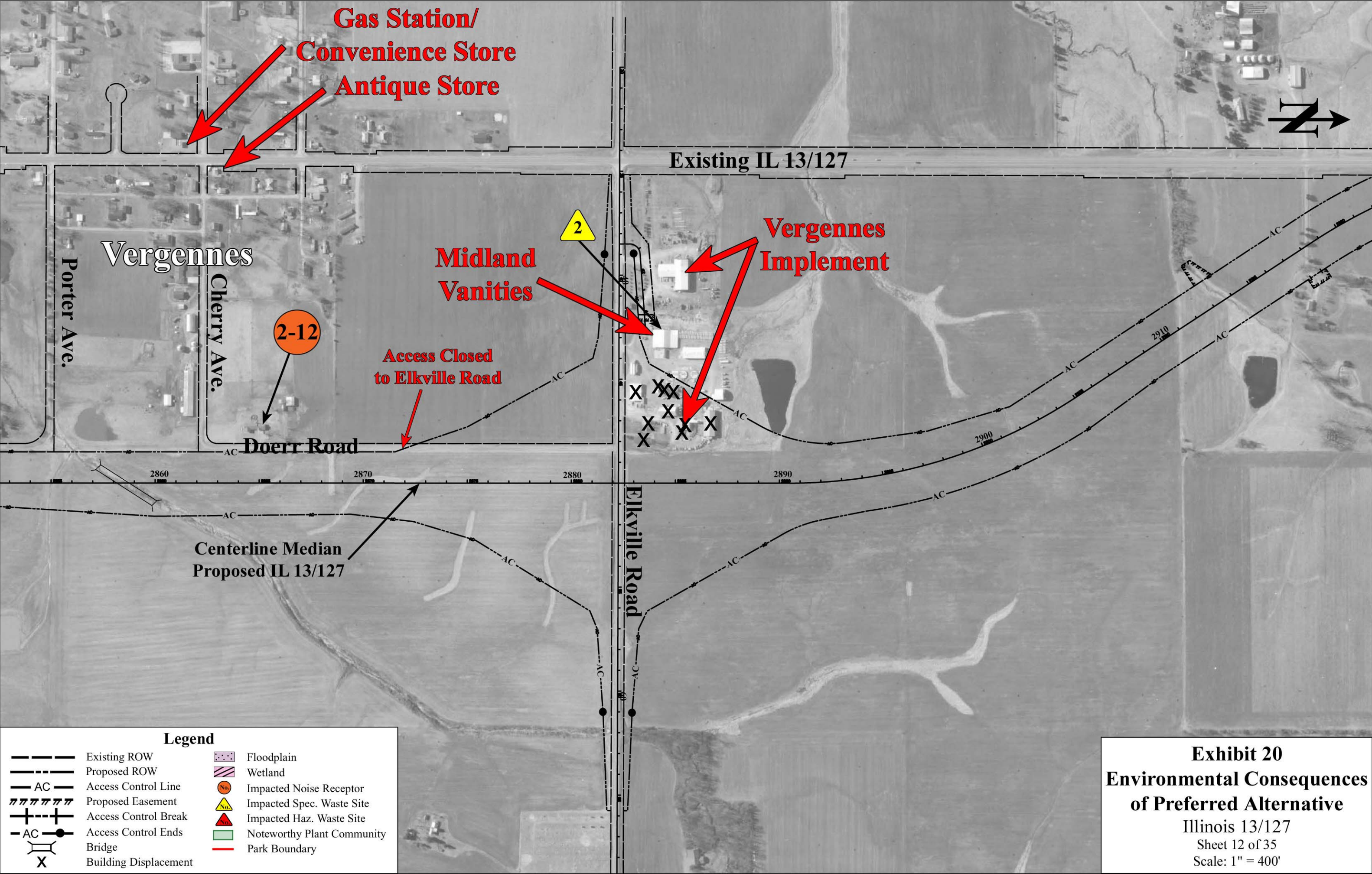
**Access Closed to
Proposed IL 13/127**

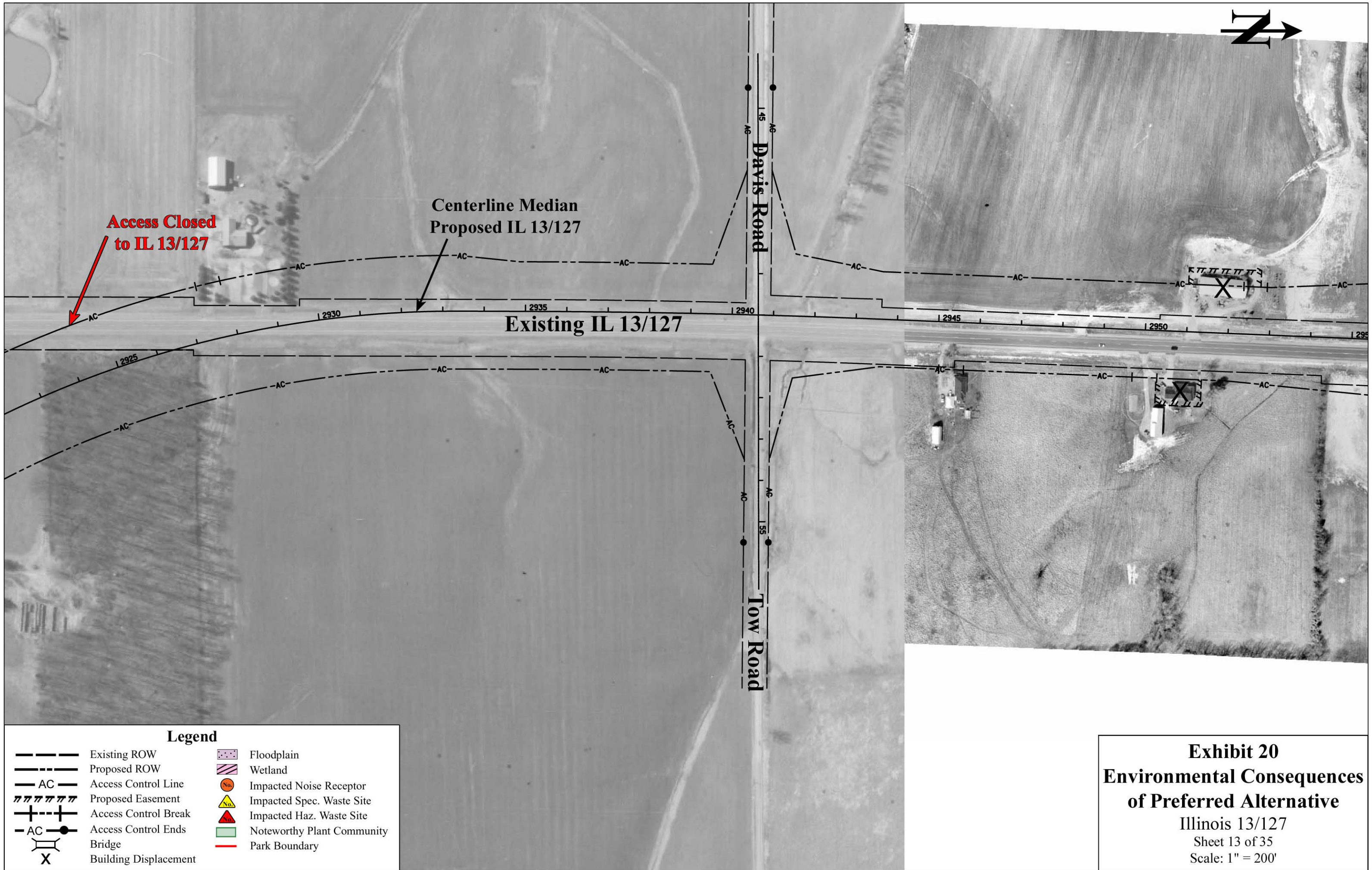
Lichter Road

Centerline Median
Proposed IL 13/127

Locked Gate
Weil Road

2-10







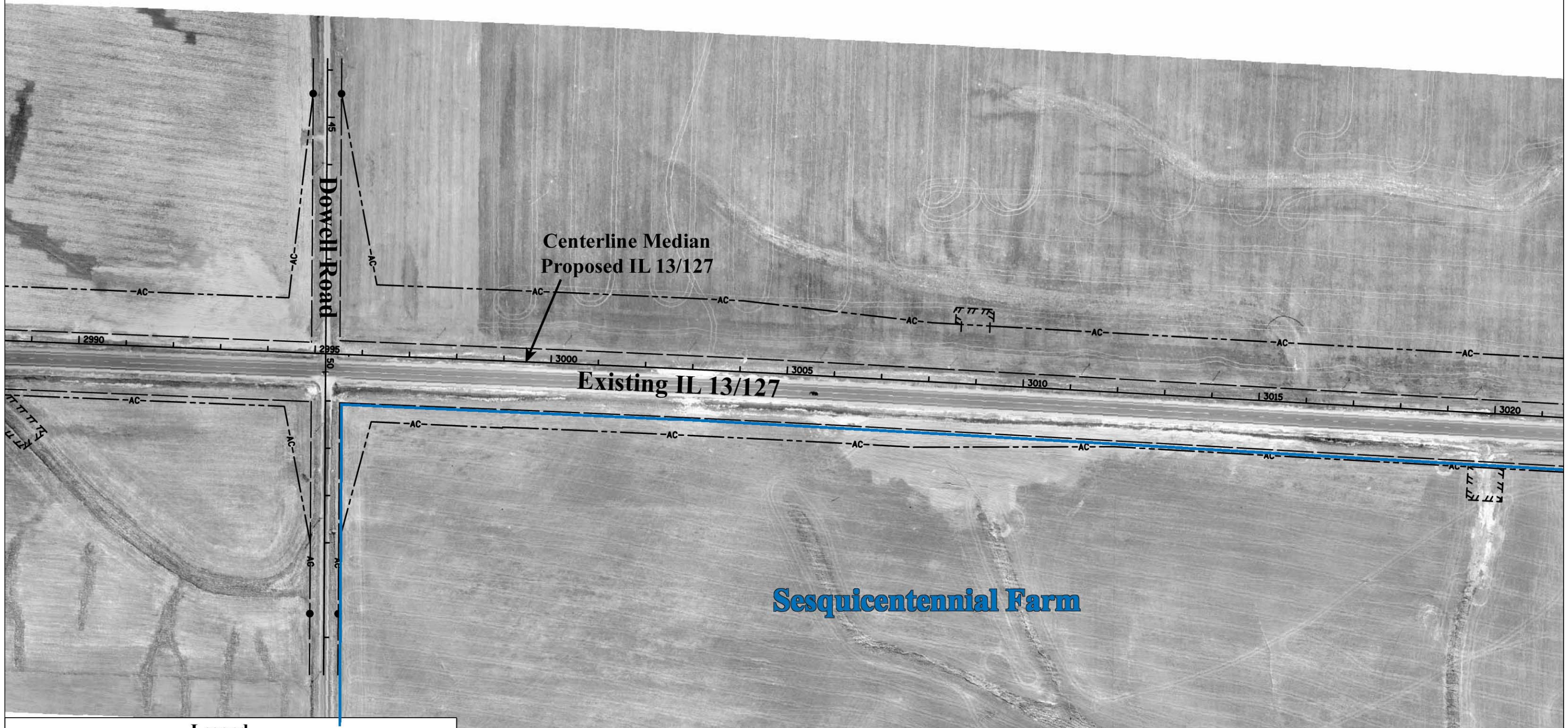
Centerline Median
Proposed IL 13/127



Legend

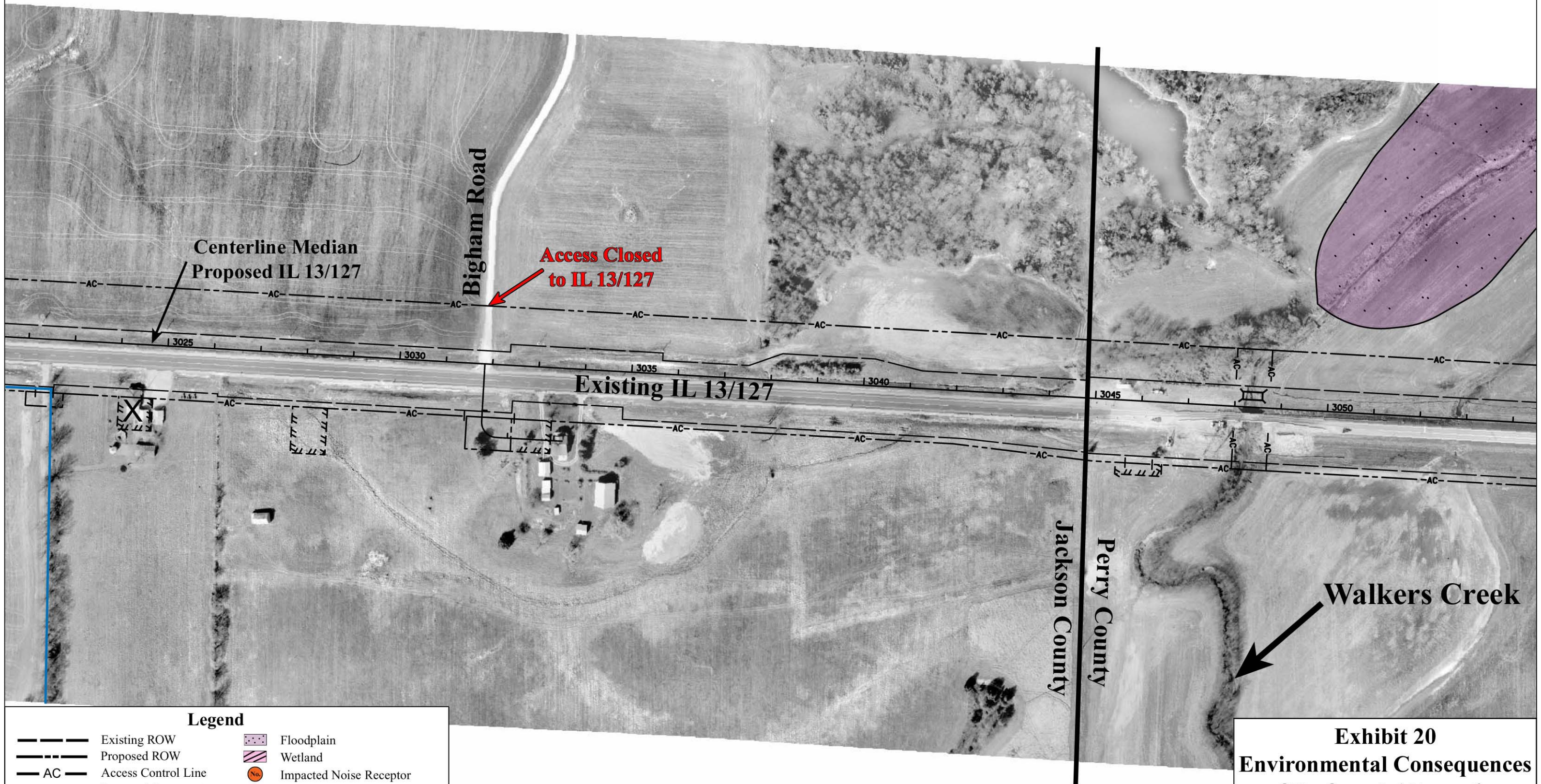
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 14 of 35
Scale: 1" = 200'



Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 15 of 35
Scale: 1" = 200'



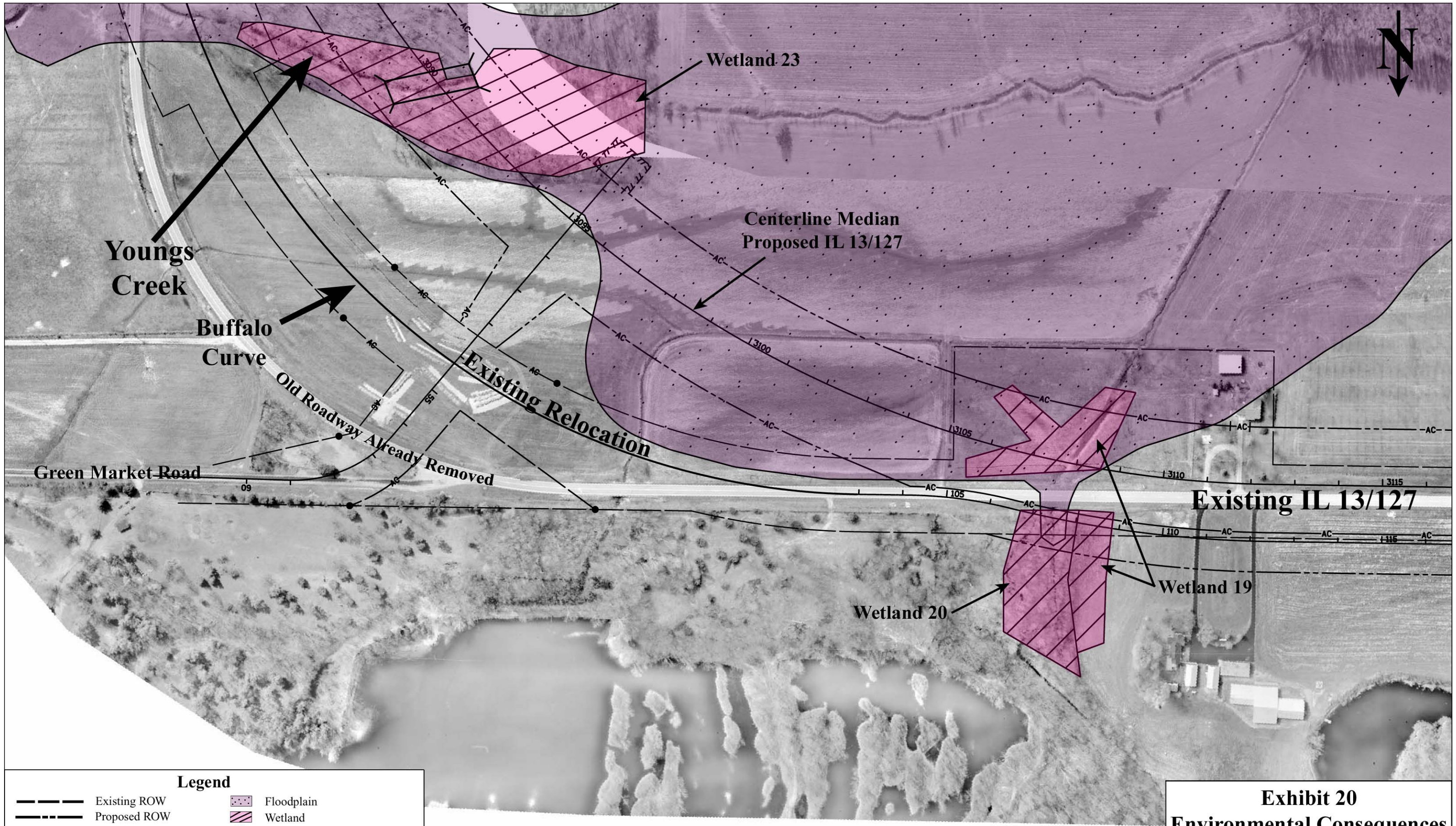
Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 16 of 35
Scale: 1" = 200'



Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
 Illinois 13/127
 Sheet 17 of 35
 Scale: 1" = 200'



Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 18 of 35
Scale: 1" = 200'

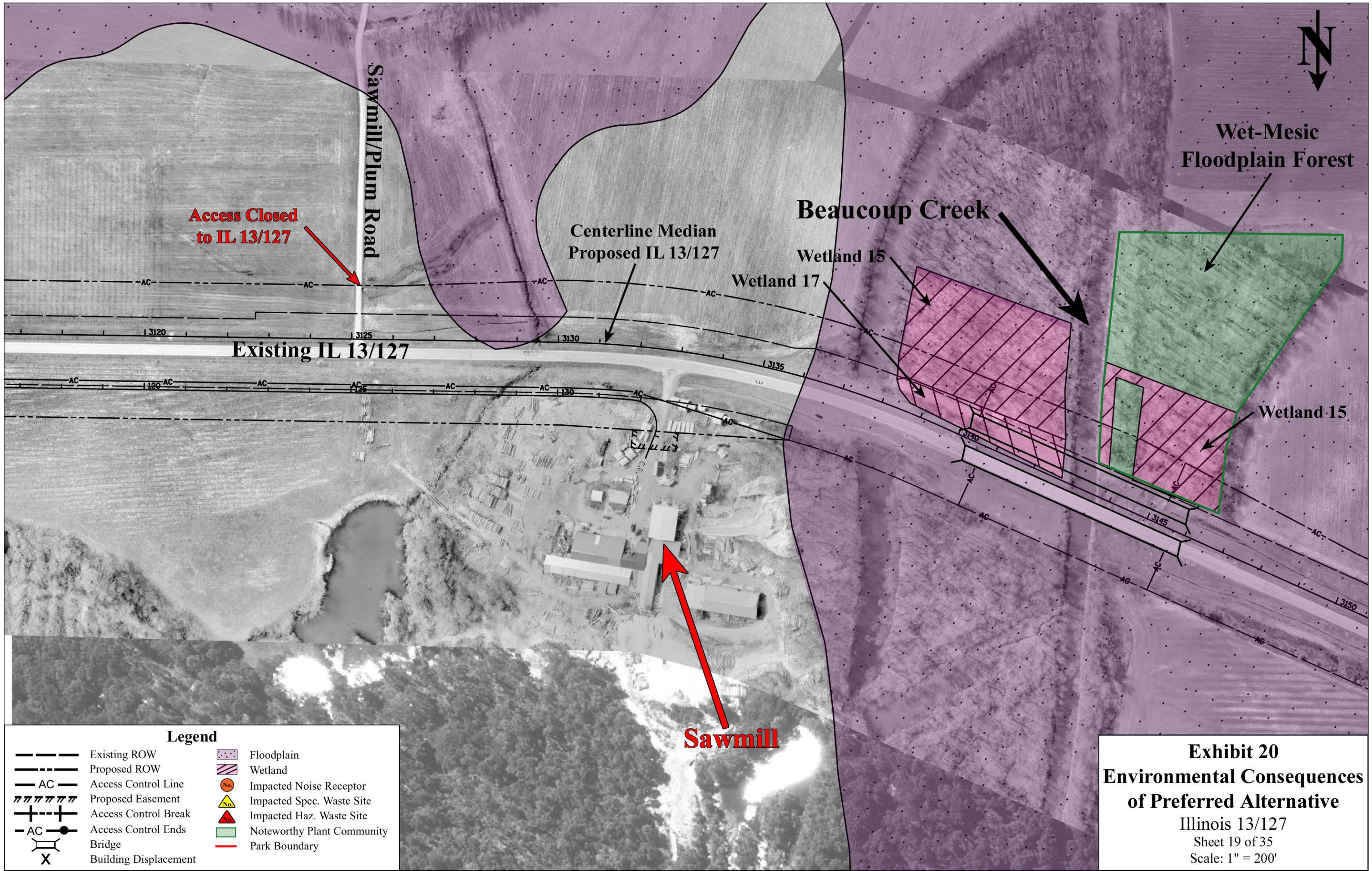




Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 20 of 35
Scale: 1" = 200'

Existing IL 13/127

**Centerline Median
Proposed IL 13/127**

**Access Closed
to IL 13/127**

Palm Tree Road

**Airport
Curve**

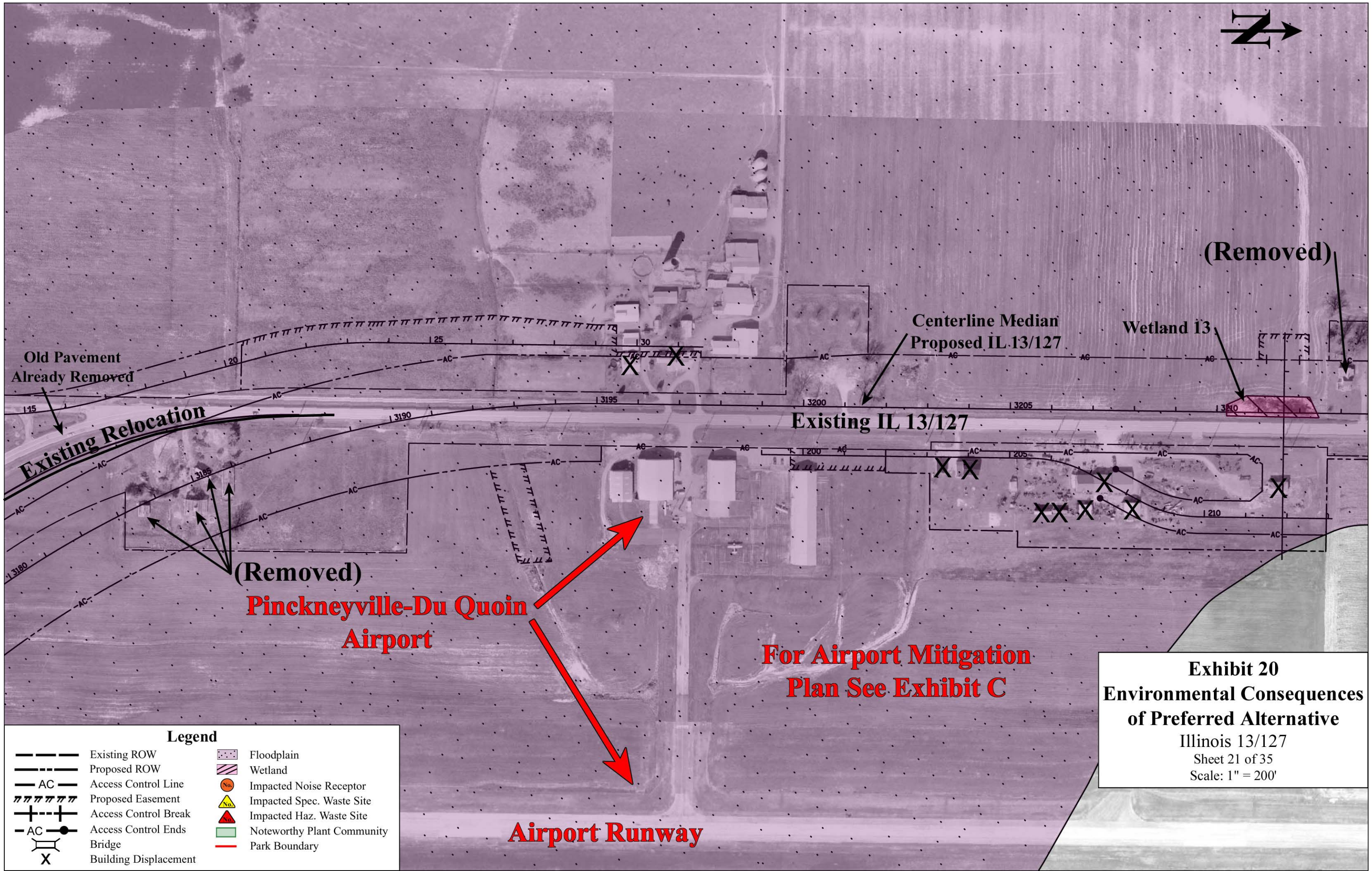
Existing Relocation

CH 18

**Old Pavement
Already Removed**

Legend

- | | | | |
|--|-----------------------|--|----------------------------|
| | Existing ROW | | Floodplain |
| | Proposed ROW | | Wetland |
| | Access Control Line | | Impacted Noise Receptor |
| | Proposed Easement | | Impacted Spec. Waste Site |
| | Access Control Break | | Impacted Haz. Waste Site |
| | Access Control Ends | | Noteworthy Plant Community |
| | Bridge | | Park Boundary |
| | Building Displacement | | |



Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 21 of 35
Scale: 1" = 200'



3 natural gas pipelines owned by the Natural Gas Pipeline Company of America cross existing IL 13/127 in this area

Wetland 10

Centerline Median
Proposed IL 13/127

Existing IL 13/127

Wetland 11

Access Closed
to IL 13/127

Shady Oaks Road

Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

For Airport Mitigation
Plan See Exhibit C

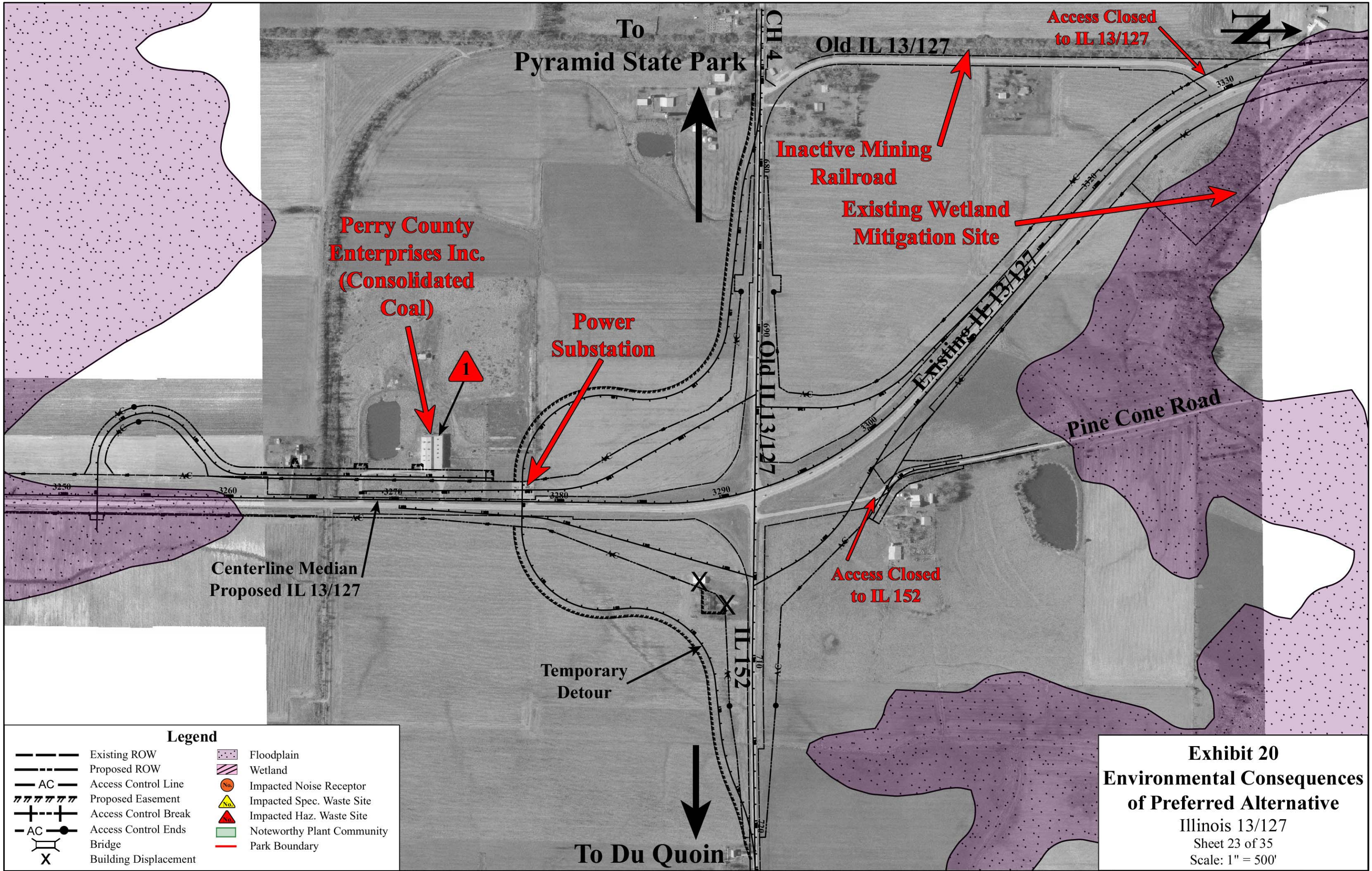
Airport Runway

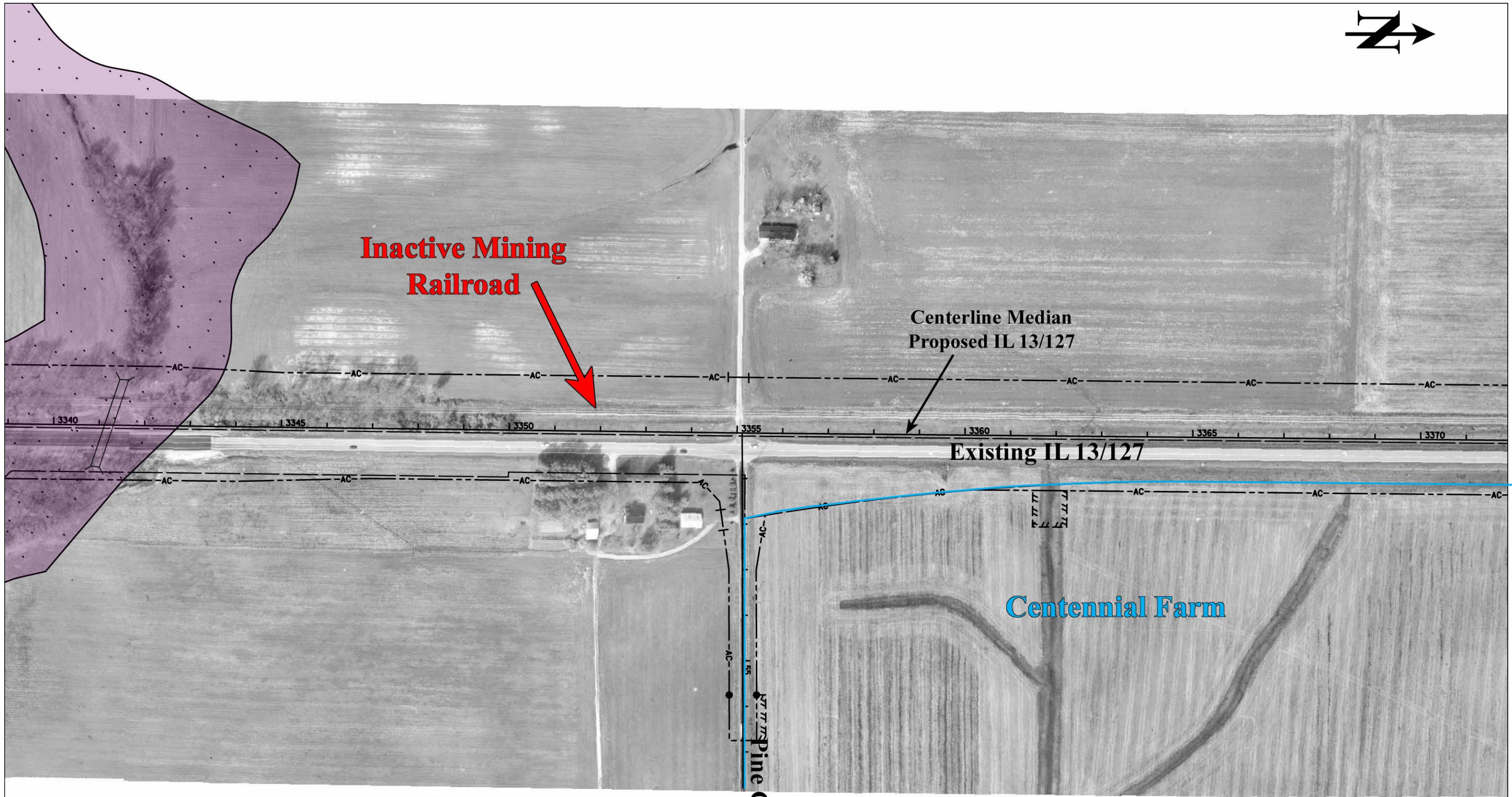
Exhibit 20 Environmental Consequences of Preferred Alternative

Illinois 13/127

Sheet 22 of 35

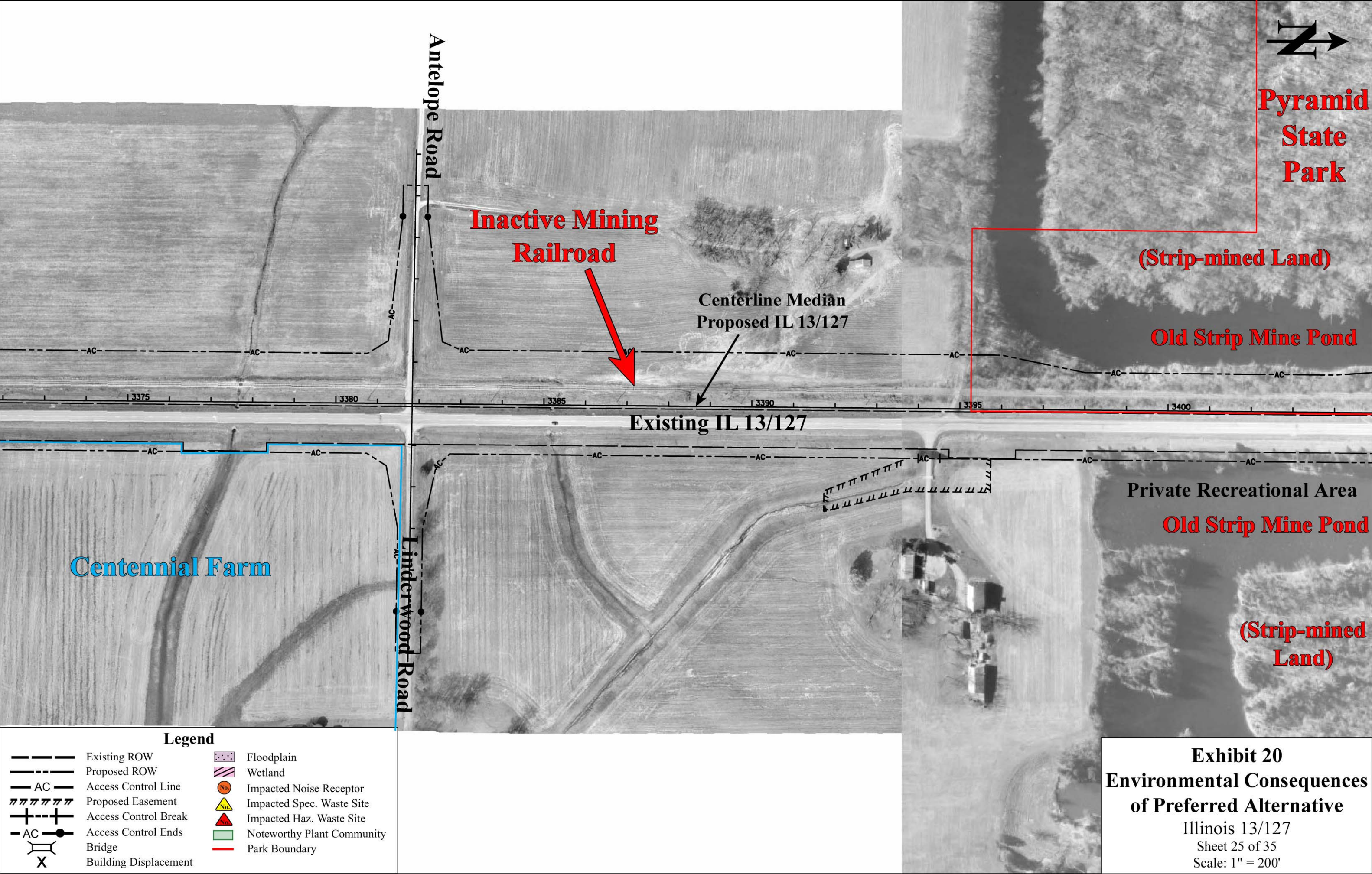
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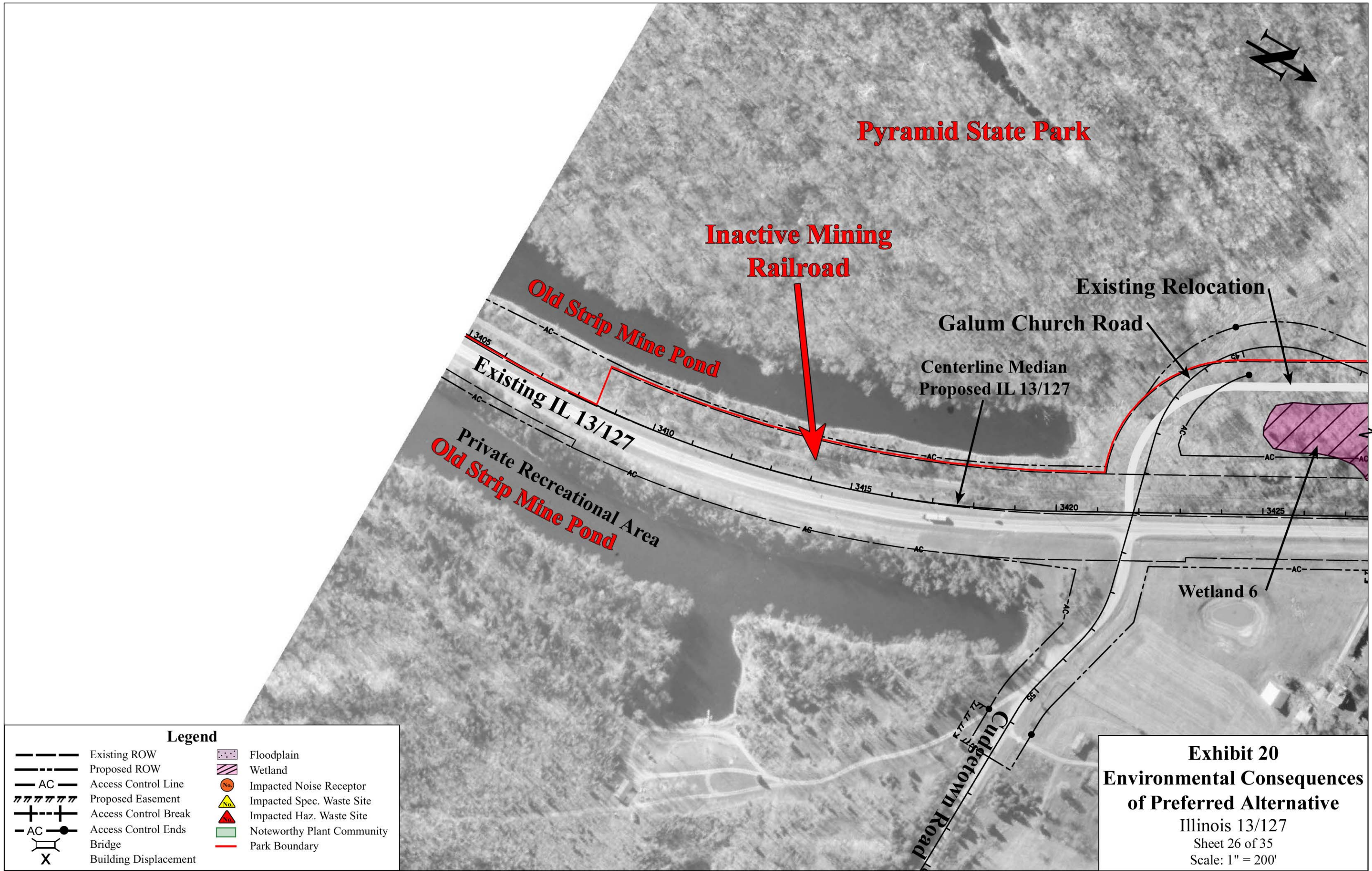


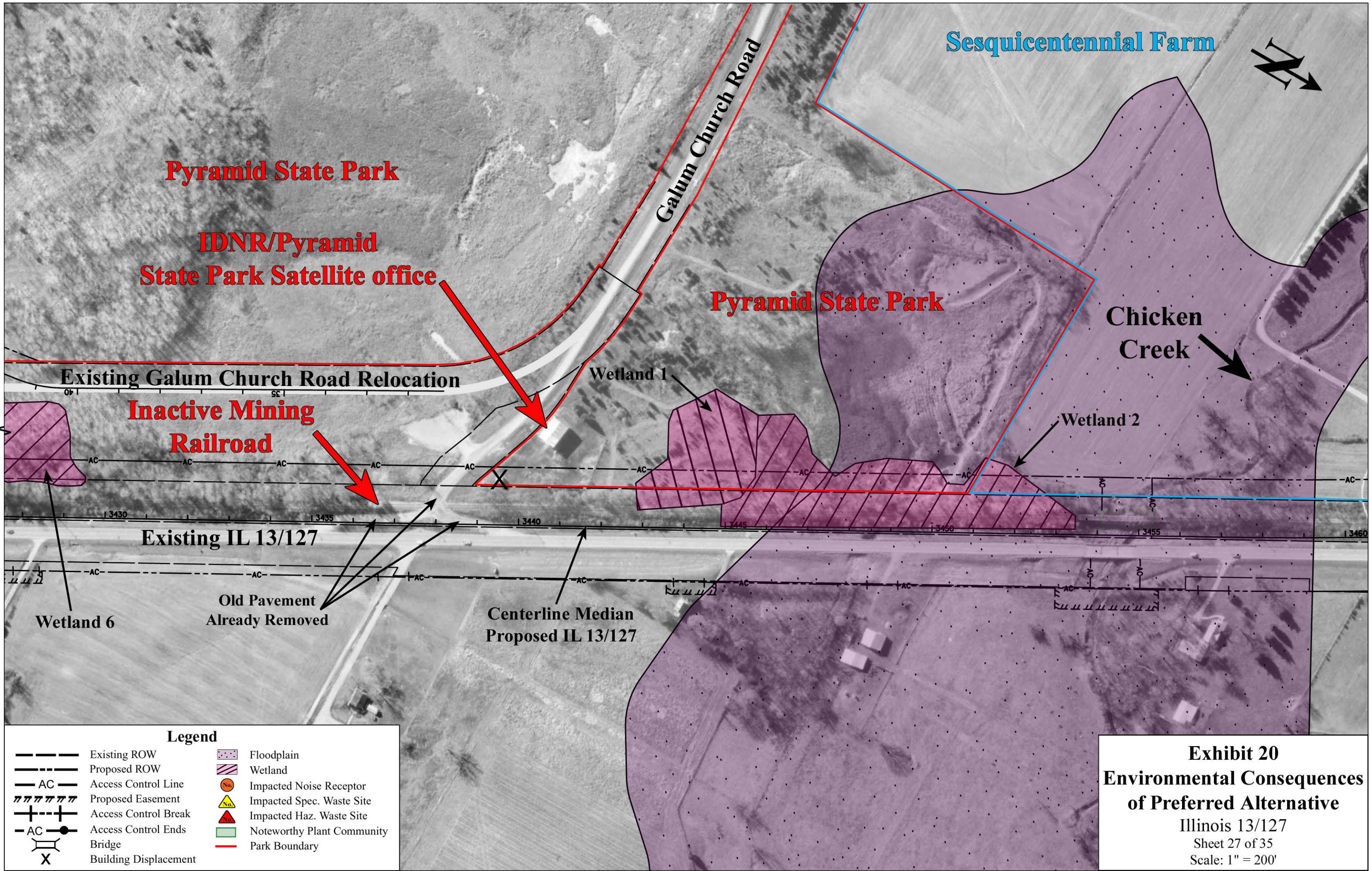


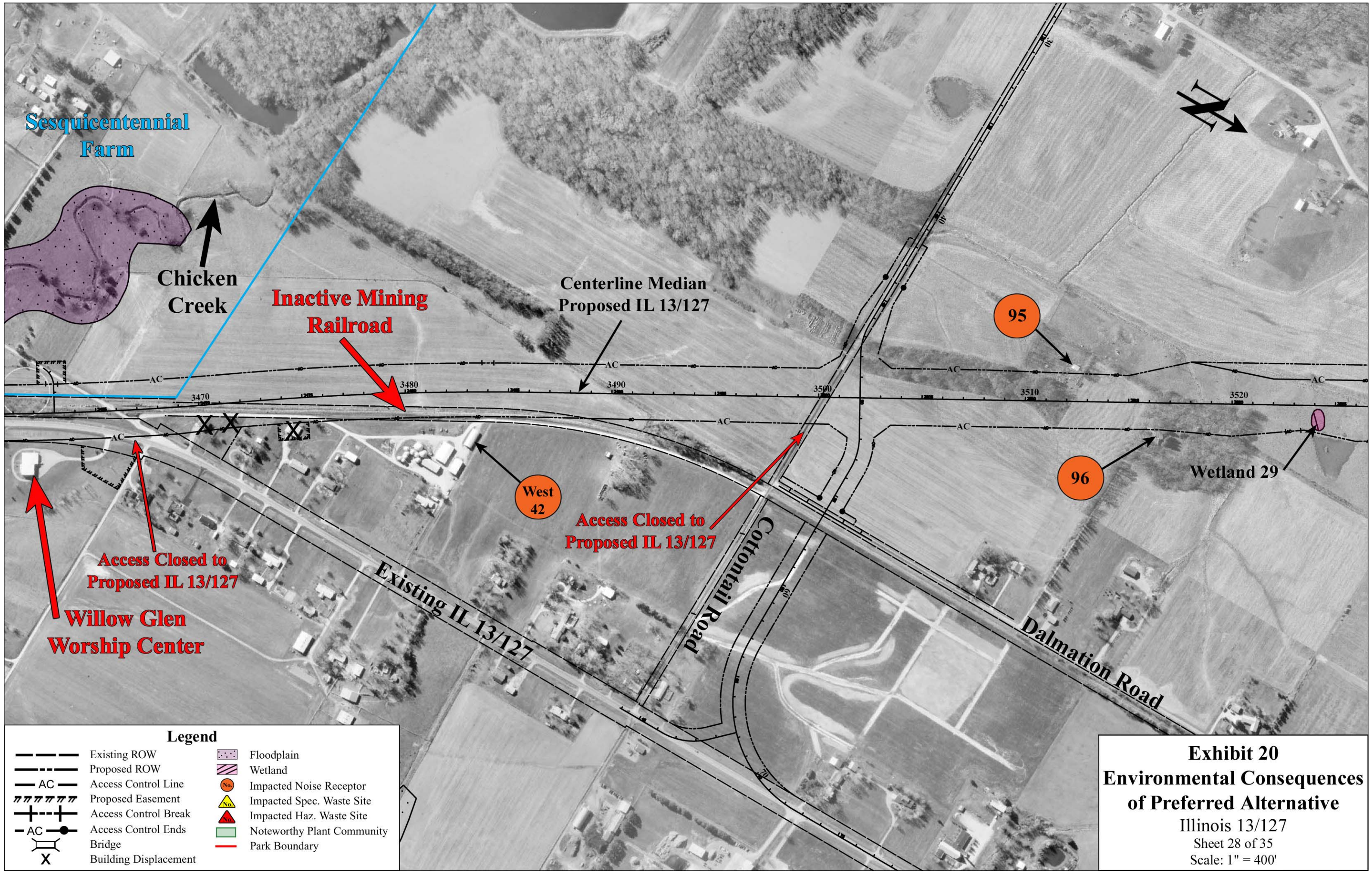
Legend			
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

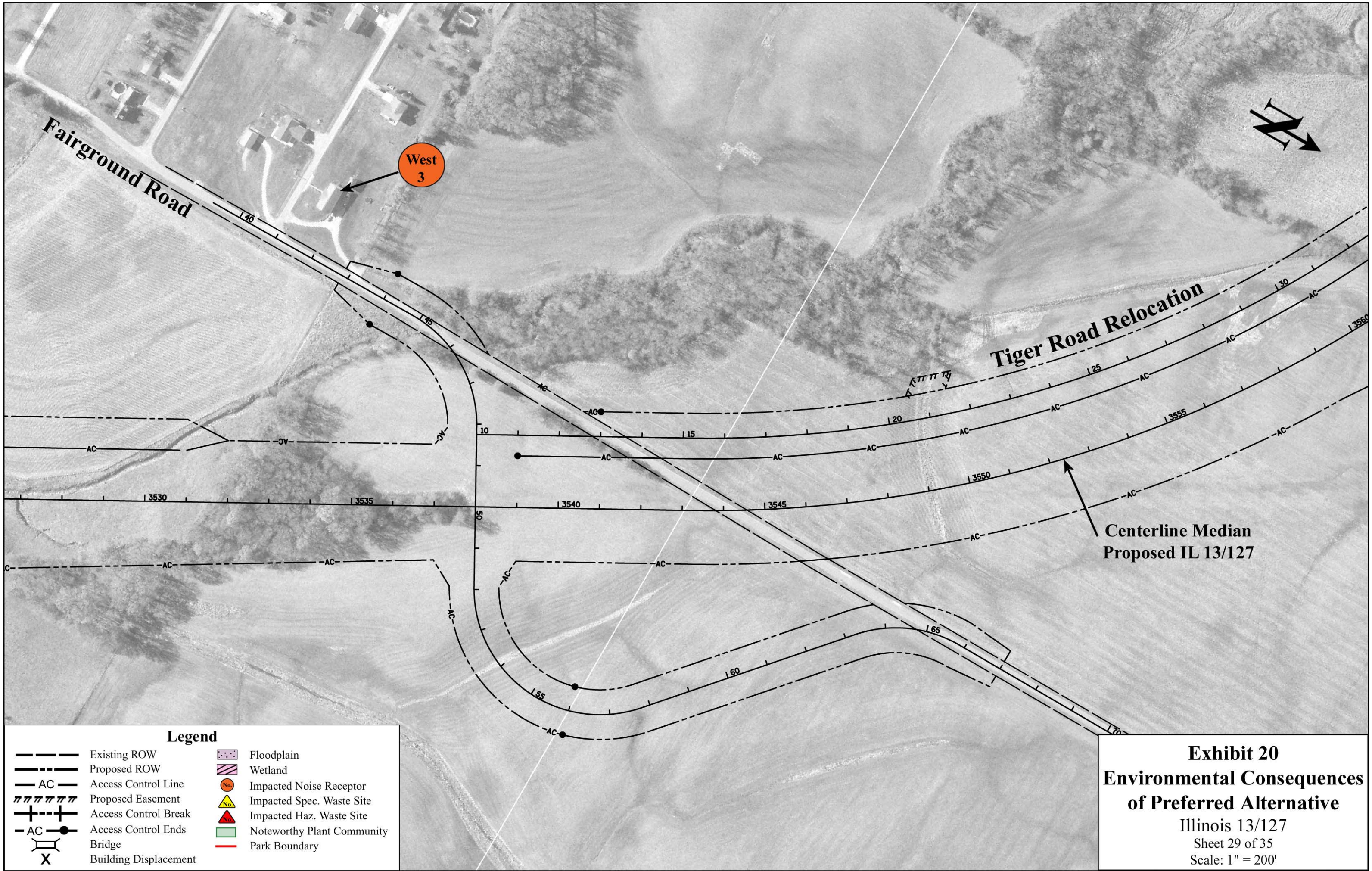
Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 24 of 35
Scale: 1" = 200'

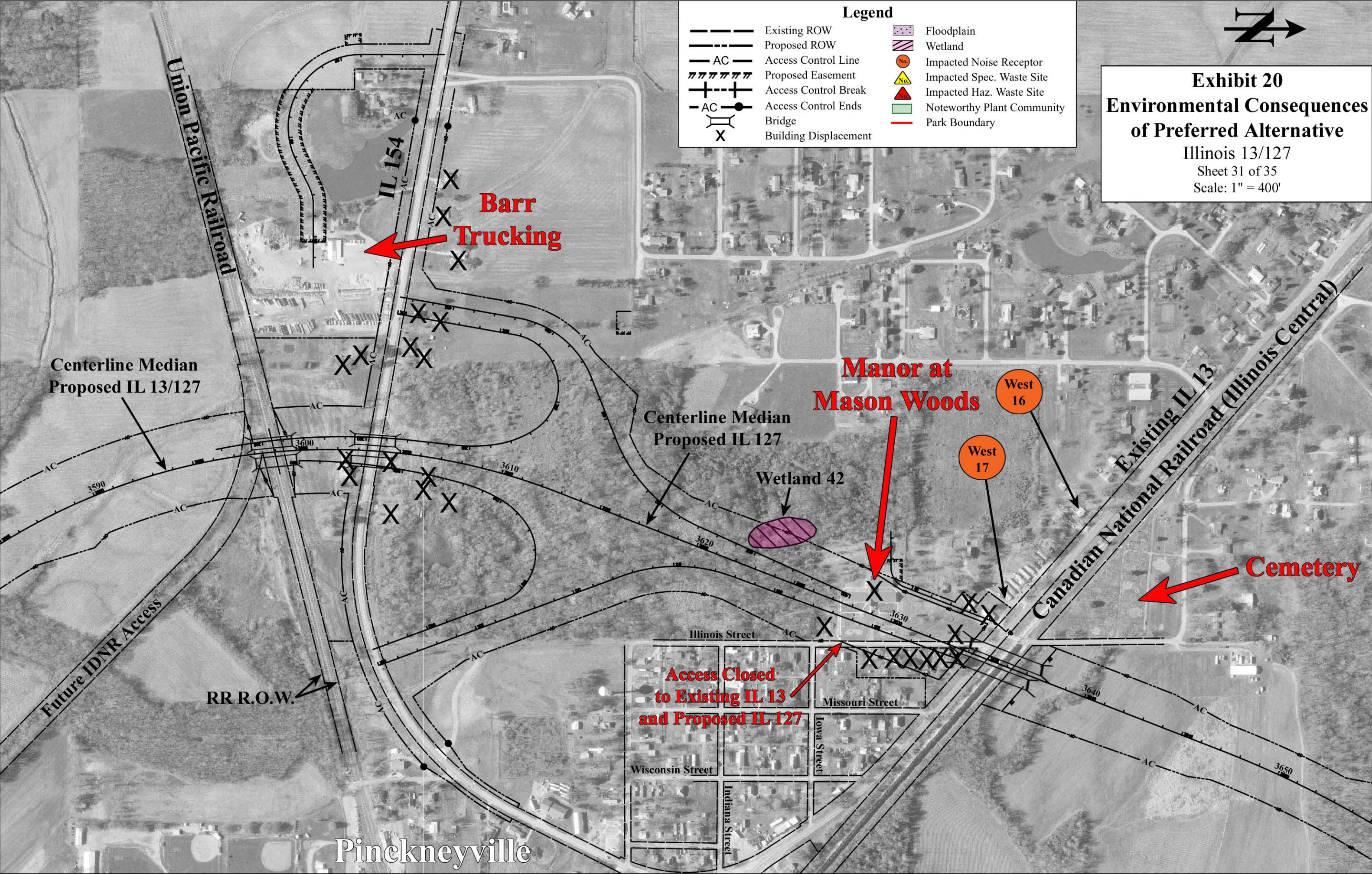












Legend

- | | | | |
|-----------------|-----------------------|-------------------|----------------------------|
| --- | Existing ROW | [Stippled Box] | Floodplain |
| - - - | Proposed ROW | [Hatched Box] | Wetland |
| - AC - | Access Control Line | [Orange Circle] | Impacted Noise Receptor |
| | Proposed Easement | [Yellow Triangle] | Impacted Spec. Waste Site |
| + - - + | Access Control Break | [Red Triangle] | Impacted Haz. Waste Site |
| - AC - | Access Control Ends | [Green Box] | Noteworthy Plant Community |
| [Bridge Symbol] | Bridge | [Red Line] | Park Boundary |
| X | Building Displacement | | |



Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 31 of 35
Scale: 1" = 400'

Centerline Median
Proposed IL 13/127

Future IDNR Access

RR R.O.W.

Pinckneyville

Centerline Median
Proposed IL 127

Wetland 42

Access Closed
to Existing IL 13
and Proposed IL 127

Manor at
Mason Woods

West 16

West 17

Cemetery

Existing IL 13
Canadian National Railroad (Illinois Central)

Wisconsin Street

Indiana Street

Lowa Street

Missouri Street

Illinois Street



**Pinckneyville
Reservoir**

**Centerline Median
Proposed IL 127**

Wetland 50

**Opossum
Creek**

Wetland 52

Legend

	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

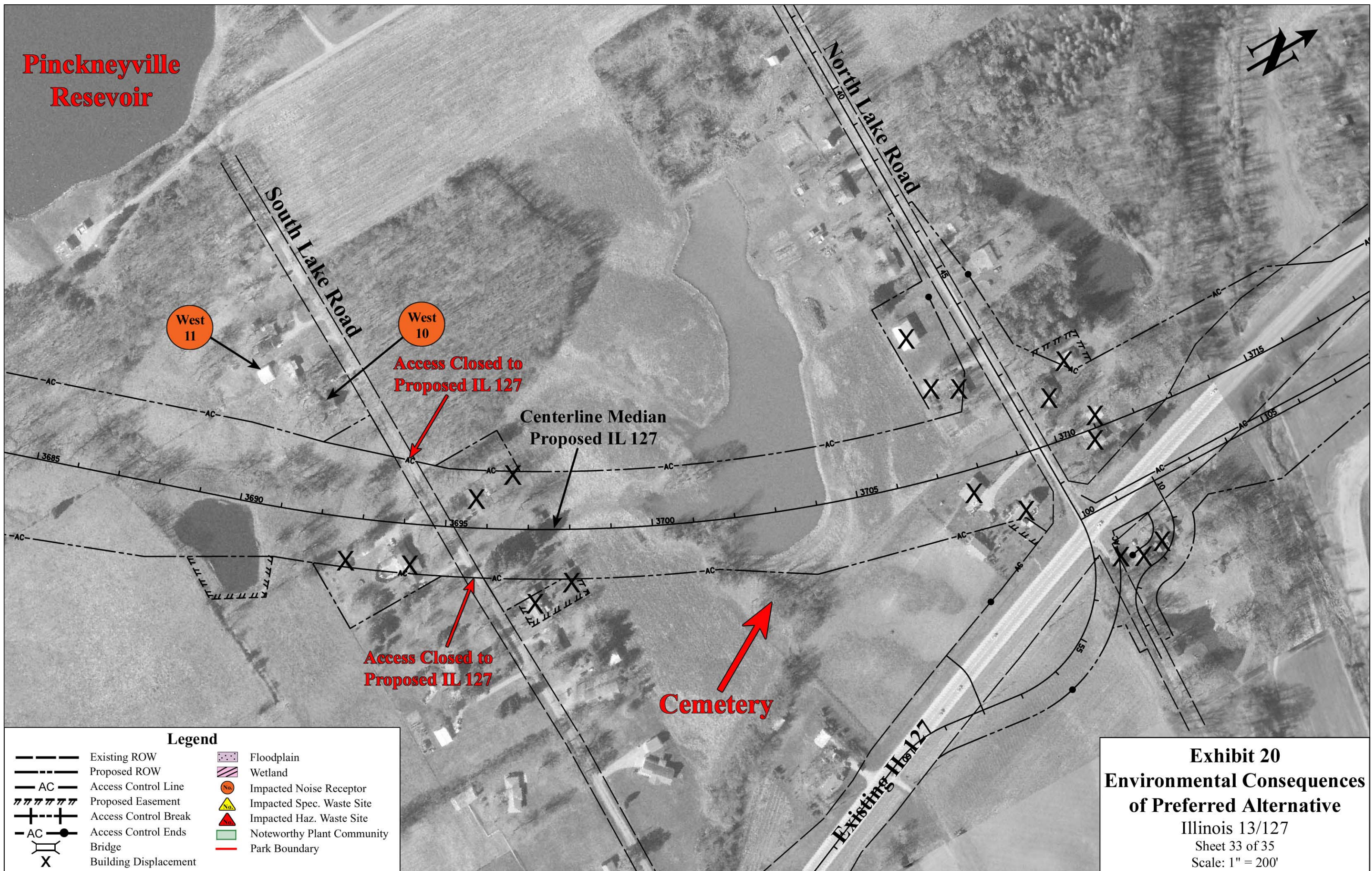
**Exhibit 20
Environmental Consequences
of Preferred Alternative**

Illinois 13/127

Sheet 32 of 35

Scale: 1" = 200'

Pinckneyville Reservoir

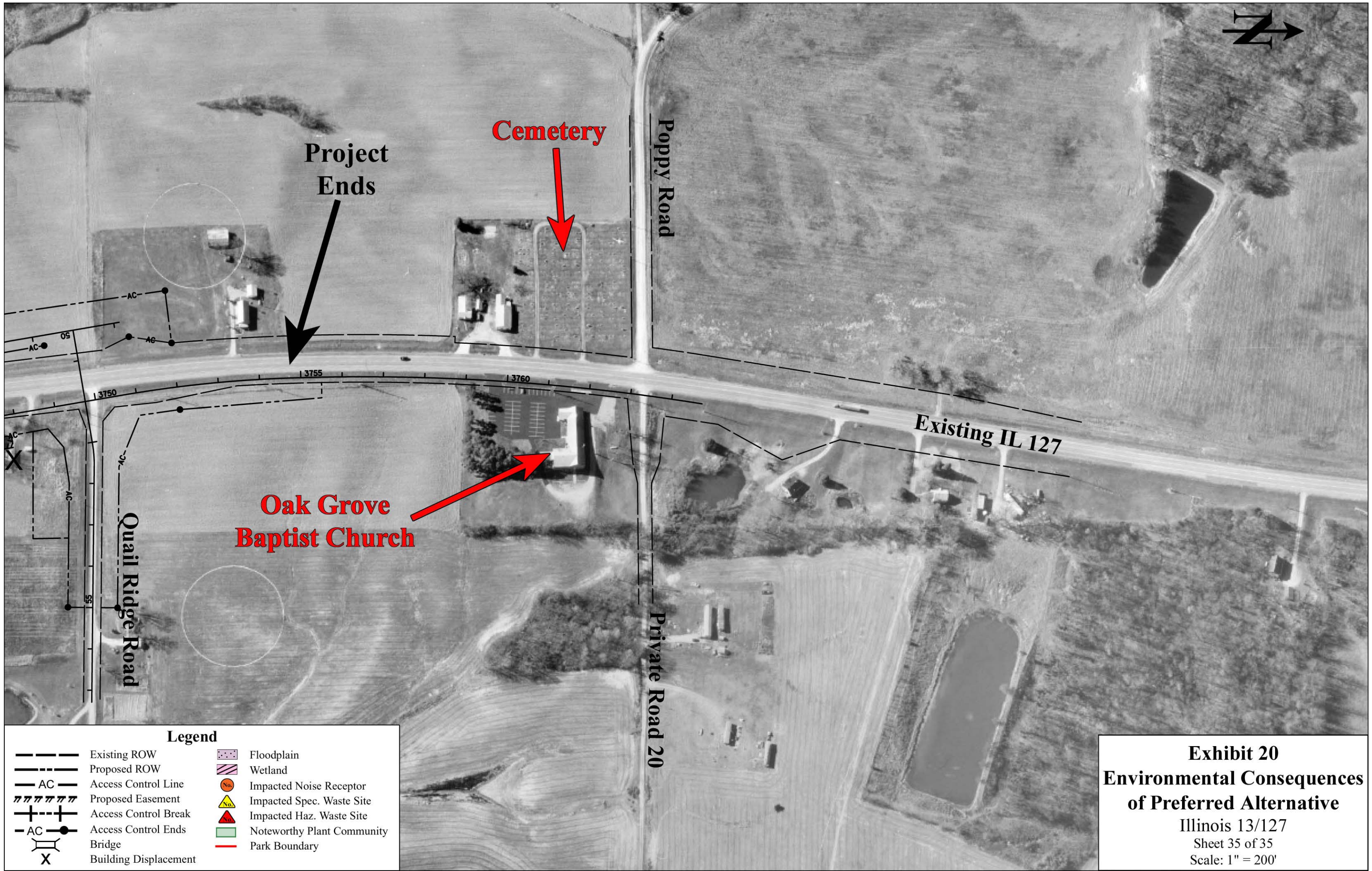




Legend

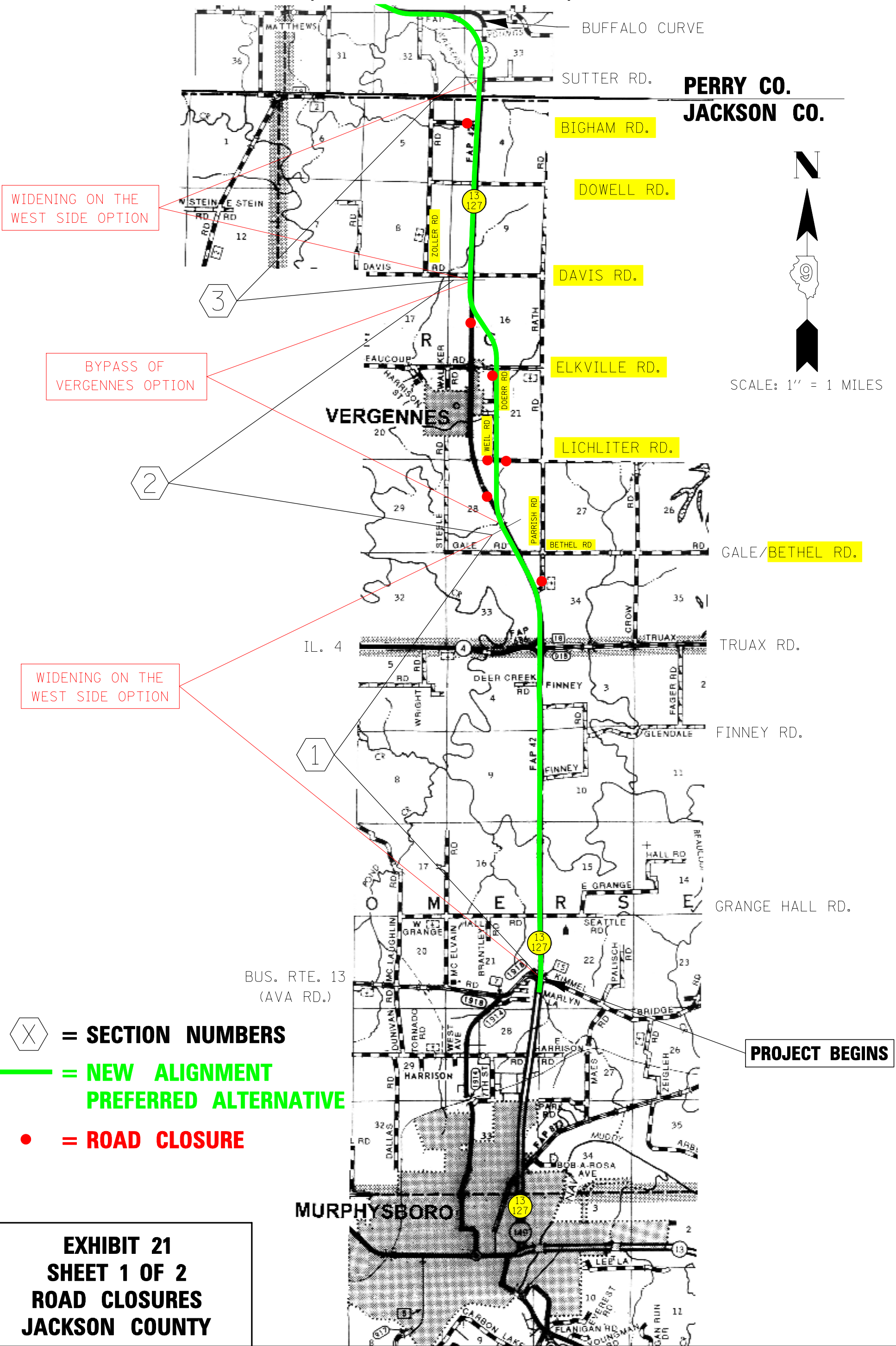
	Existing ROW		Floodplain
	Proposed ROW		Wetland
	Access Control Line		Impacted Noise Receptor
	Proposed Easement		Impacted Spec. Waste Site
	Access Control Break		Impacted Haz. Waste Site
	Access Control Ends		Noteworthy Plant Community
	Bridge		Park Boundary
	Building Displacement		

Exhibit 20
Environmental Consequences
of Preferred Alternative
Illinois 13/127
Sheet 34 of 35
Scale: 1" = 200'



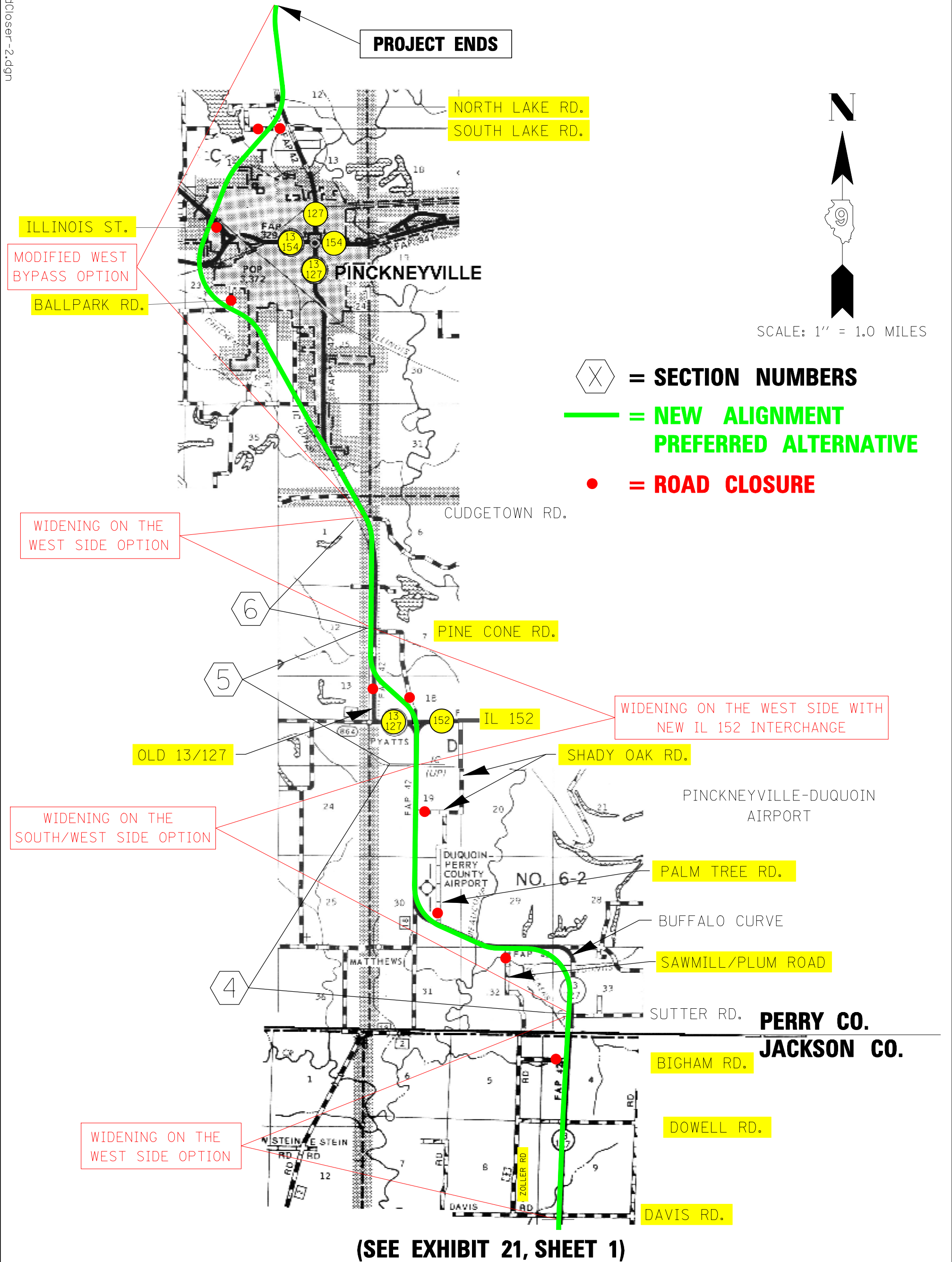
ILLINOIS 13/127 PHASE I STUDY MURPHYSBORO TO PINCKNEYVILLE

(SEE EXHIBIT 21, SHEET 2)

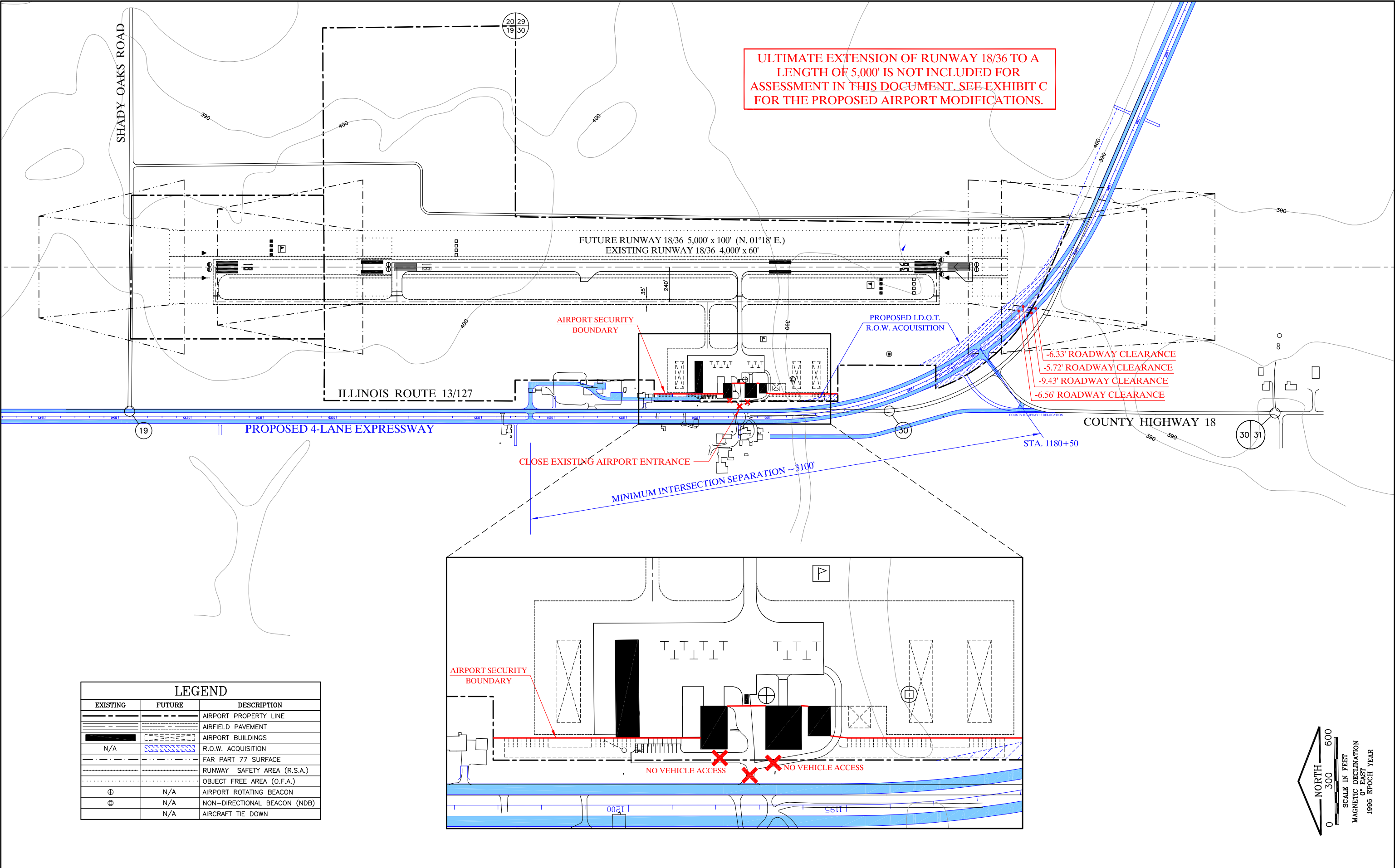


ILLINOIS 13/127 PHASE I STUDY MURPHYSBORO TO PINCKNEYVILLE

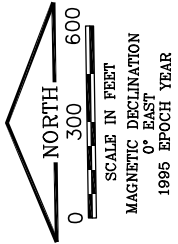
exhibit21-RoadClosures-2.dgn

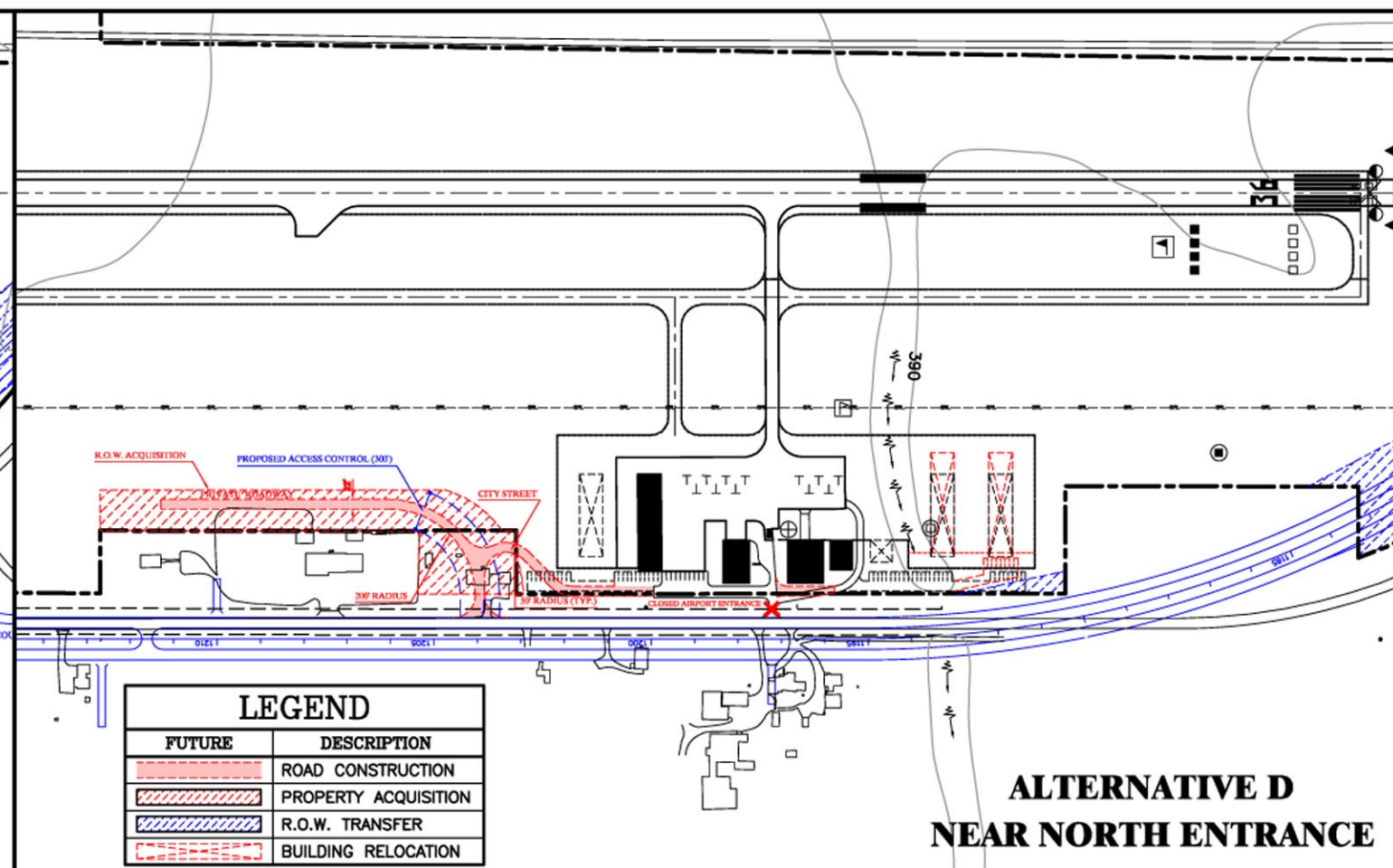
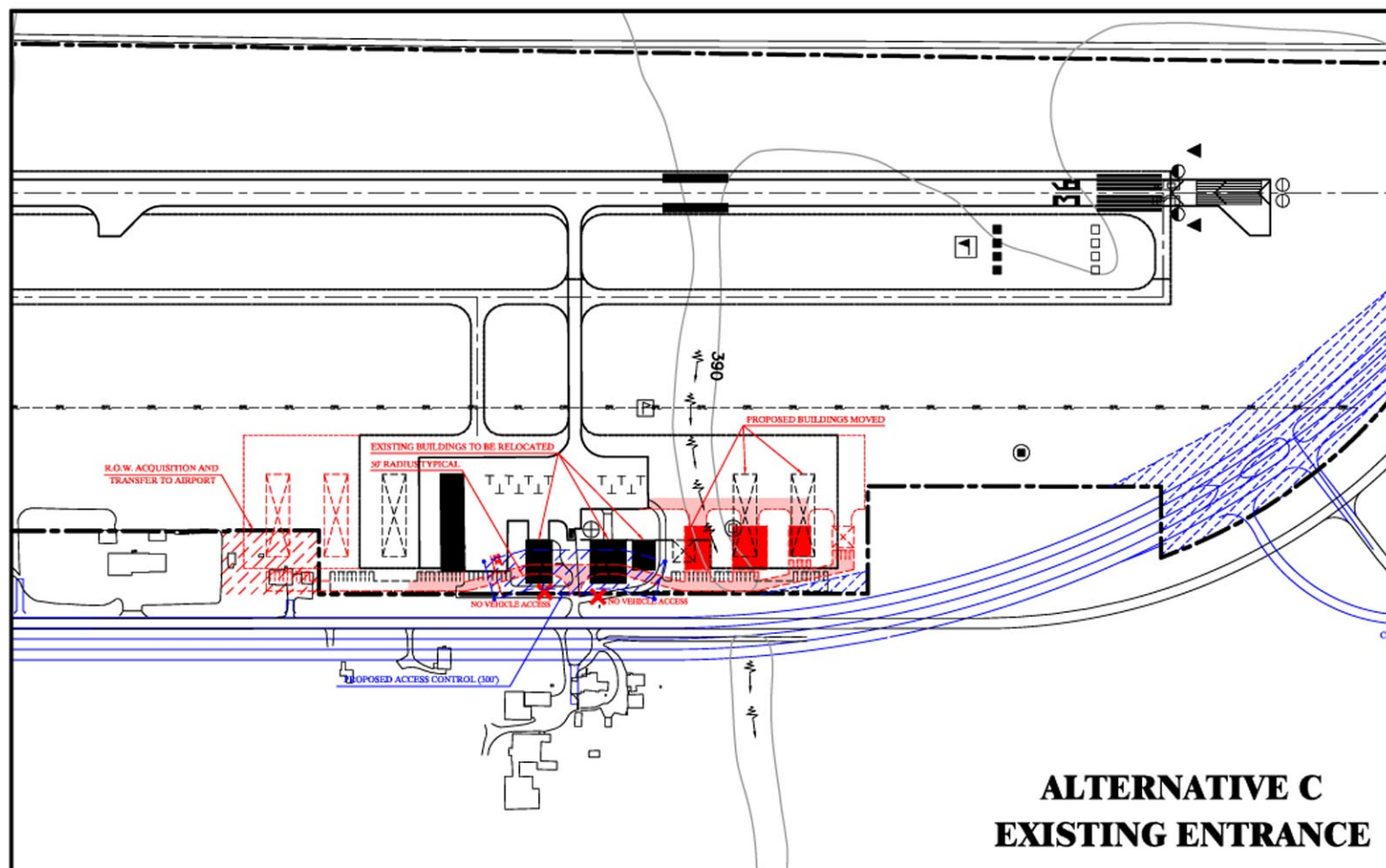


**EXHIBIT 21
SHEET 2 OF 2
ROAD CLOSURES
PERRY COUNTY**

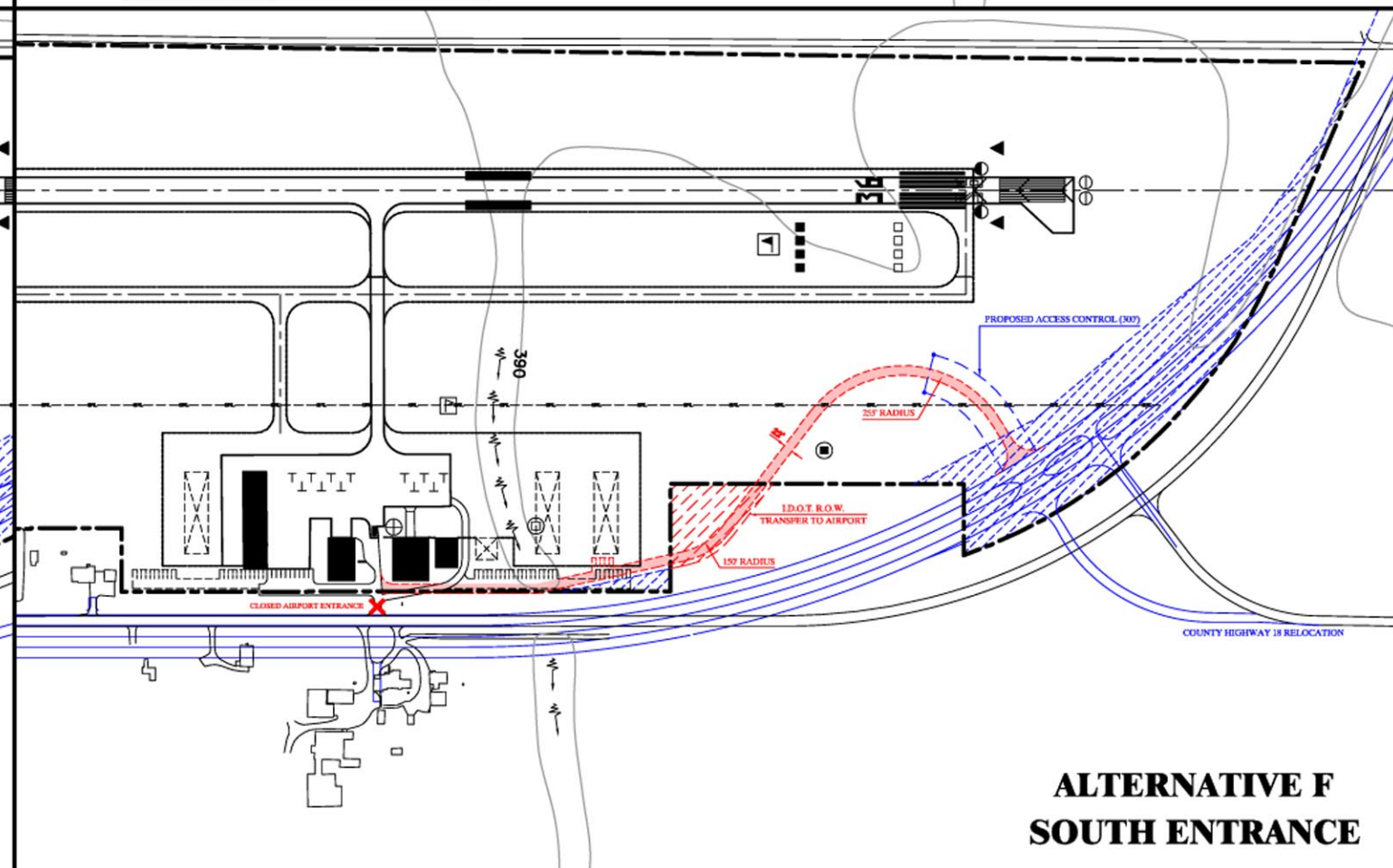
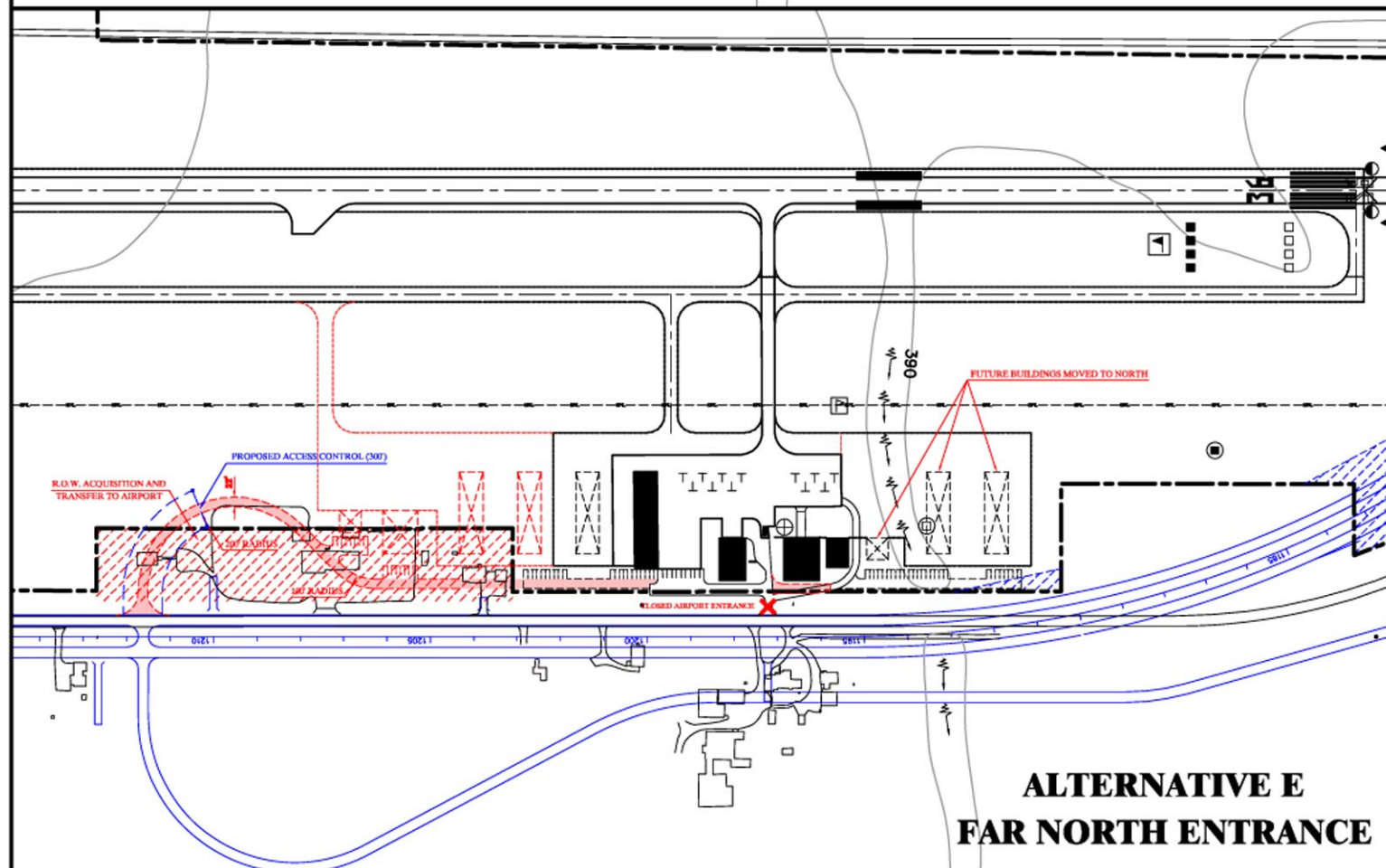


LEGEND		
EXISTING	FUTURE	DESCRIPTION
		AIRPORT PROPERTY LINE
		AIRFIELD PAVEMENT
		AIRPORT BUILDINGS
		R.O.W. ACQUISITION
		FAR PART 77 SURFACE
		RUNWAY SAFETY AREA (R.S.A.)
		OBJECT FREE AREA (O.F.A.)
	N/A	AIRPORT ROTATING BEACON
	N/A	NON-DIRECTIONAL BEACON (NDB)
	N/A	AIRCRAFT TIE DOWN





LEGEND	
FUTURE	DESCRIPTION
	ROAD CONSTRUCTION
	PROPERTY ACQUISITION
	R.O.W. TRANSFER
	BUILDING RELOCATION



LEGEND		
EXISTING	FUTURE	DESCRIPTION
---	---	AIRPORT PROPERTY LINE
---	---	FAR PART 77 SURFACE
---	---	RUNWAY PROTECTION ZONE (R.P.Z.)
---	---	AIRFIELD PAVEMENT
N/A	---	PAVEMENT REMOVAL
□	□	AIRPORT BUILDINGS
□	□	HOUSES AND OUTBUILDINGS
▨	▨	AVIGATION EASEMENT
---	---	BUILDING RESTRICTION LINE (B.R.L.)
---	---	RUNWAY AND TAXIWAY SAFETY AREA (R.S.A.)
---	---	OBJECT FREE AREA (O.F.A.)
---	---	RUNWAY VISIBILITY ZONE (R.V.Z.)
---	---	AIRCRAFT PARKING LIMITS (A.P.L.)
---	---	ILS-GLIDE SLOPE ANTENNA & CRITICAL AREA
---	---	ILS-LOCALIZER ANTENNA & CRITICAL AREA
⊙	⊙	AIRPORT REFERENCE POINT (A.R.P.)
△	△	RUNWAY END IDENTIFIER LIGHT (REIL)
□	□	VISUAL DECENT APPROACH INDICATOR (VADI)
⊙	⊙	THRESHOLD LIGHTS
⊕	⊕	AIRPORT ROTATING BEACON
⊕	⊕	WIND CONE
⊕	⊕	WIND CONE AND SEGMENTED CIRCLE
⊕	⊕	NON DIRECTIONAL BEACON (NDB)
920	N/A	GROUND CONTOURS
---	N/A	LAKES OR PONDS
---	N/A	DRAINAGE SWALE

- GENERAL NOTES
- THE DIGITAL BASE MAP WAS PROVIDED BY IDOT AS PART OF ILLINOIS ROUTE 13 & 127 IMPROVEMENT PROJECT, DATED 1999, AND FIELD REVISED JUNE, 2001.
 - THE BUILDING RESTRICTION LINE ENCOMPASSES THE RUNWAY PROTECTION ZONES, THE RUNWAY VISIBILITY ZONE AND ALL AIRPORT AREAS WITH LESS THAN 35 FOOT CLEARANCE UNDER FAR PART 77 SURFACES.
 - THIS AIRPORT LAYOUT DRAWING IS BASED ON CRITERIA CONTAINED IN FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR 150/5300 13, CHANGE 7, "AIRPORT DESIGN".
 - NO KNOWN OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS EXIST. THIS INFORMATION HAS NOT BEEN FIELD CHECKED.
 - NO KNOWN THRESHOLD SITING SURFACE OBJECT PENETRATIONS EXIST. THIS INFORMATION HAS NOT BEEN FIELD CHECKED.
 - ROAD TO BE CLOSED BY IDOT AS PART OF THE ILLINOIS ROUTE 13/127 EXPRESSWAY PROJECT.
 - ROADWAY ELEVATIONS, WHERE THEY INTERSECT THE FAR PART 77 APPROACH SURFACE, ARE SHOWN ON INDIVIDUAL APPROACH SURFACE DRAWINGS.
 - APPROACH SURFACE DIMENSIONS DEPICTED ON THIS SHEET CONFORM WITH CRITERIA ESTABLISHED IN FAR PART 77.
 - APPROACH SURFACE DIMENSIONS DEPICTED ON THIS SHEET ARE TO A HEIGHT OF 50 FEET AGL.

ITEM	RUNWAY			
	EXISTING		INTERIM	
	18	36	18	36
RUNWAY SAFETY AREA WIDTH	120	120	120	120
RUNWAY SAFETY AREA LENGTH BEYOND RUNWAY END	240	240	240	240
RUNWAY OBJECT FREE AREA WIDTH	400	400	400	400
RUNWAY OBJECT FREE AREA LENGTH BEYOND RUNWAY END	240	240	240	240

