

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

<b>ELECTRONIC APPLICATION OF EAST</b>	)	
<b>KENTUCKY POWER COOPERATIVE, INC.</b>	)	
<b>FOR A (1) CERTIFICATE OF PUBLIC</b>	)	
<b>CONVENIENCE AND NECESSITY FOR</b>	)	
<b>THE CONSTRUCTION OF TRANSMISSION</b>	)	<b>CASE NO.</b>
<b>FACILITIES IN MADISON COUNTY</b>	)	<b>2022-00314</b>
<b>KENTUCKY; (2) DECLARATORY ORDER</b>	)	
<b>CONFIRMING THAT A CERTIFICATE</b>	)	
<b>OF PUBLIC CONVENIENCE AND</b>	)	
<b>NECESSITY IS NOT REQUIRED FOR</b>	)	
<b>CERTAIN FACILITIES</b>	)	

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**APPLICATION**

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Comes now East Kentucky Power Cooperative, Inc., (“EKPC” or the "Company”) by and through the undersigned counsel, pursuant to KRS 278.020, 807 KAR 5:001, 807 KAR 5:120 and other applicable law, and hereby tenders its Application with the Kentucky Public Service Commission (“Commission”) requesting approval for a Certificate of Public Convenience and Necessity (“CPCN”) to construct a 138 kV transmission line as part of a double circuit transmission line with a 69 kV transmission line rebuild in Madison County, Kentucky. EKPC additionally requests a declaratory order confirming that a CPCN is not required for: (1) the expansion of the EKPC Fawkes substation (“Fawkes Expansion”); (2) construction of the Madison County 69 kV Switching Station near the Duncannon Lane Tap (“Madison County Switching Station”); (3) placement of a 138 kV to 69 kV step-down transformer; and (4) construction of a new substation to serve potential industrial customers (the “New Industrial Substation”).

Collectively, the rebuild of the 69 kV transmission line, the construction of the 138 kV transmission line, the Fawkes Expansion, the Madison County Switching Station, the step-down transformer installation, and the construction of the New Industrial Substation constitute the Project (“Project”), an area transmission plan solution to address existing and anticipated transmission needs in the region. In support of the Application, EKPC respectfully states as follows:

## **I. INTRODUCTION**

1. EKPC is a not-for-profit, rural electric cooperative corporation established under KRS Chapter 279 with its headquarters in Winchester, Kentucky. Pursuant to various agreements, EKPC provides electric generation capacity and electric energy to its sixteen (16) Owner-Member Cooperatives (“owner-members”), which in turn serve over 545,000 Kentucky homes, farms and commercial and industrial establishments in eighty-seven (87) Kentucky counties. EKPC’s Board has stated its strategic objective is to maintain a generation fleet that prudently diversifies its fuel sources while maximizing its capital investments and minimizing stranded assets. EKPC is a “utility” as that term is defined in KRS 278.010(3)(a) and a “generation and transmission cooperative” as that term is defined in KRS 278.010(9).

2. In total, EKPC owns and operates approximately 2,965 MW of net summer generating capacity and 3,267 MW of net winter generating capacity. EKPC owns and operates coal-fired generation at the John S. Cooper Station in Pulaski County, Kentucky (341 MW) and the Hugh L. Spurlock Station (1,346 MW) in Mason County, Kentucky. EKPC also owns and operates natural gas-fired generation at the J. K. Smith Station in Clark County, Kentucky (753 MW (summer)/989 MW (winter)) and the Bluegrass Generating Station in Oldham County, Kentucky (501 MW (summer)/567 MW (winter)), landfill gas-to-energy facilities in Boone



County, Laurel County, Greenup County, Hardin County, Pendleton County and Barren County (16 MW total), and a Community Solar facility (8 MW) in Clark County, Kentucky. Finally, EKPC purchases hydropower from the Southeastern Power Administration at Laurel Dam in Laurel County, Kentucky (70 MW), and the Cumberland River system of dams in Kentucky and Tennessee (100 MW). EKPC also has 158 MWs of interruptible load and approximately 28 MWs in peak reduction mechanisms. EKPC's record peak demand of 3,507 MW occurred on February 20, 2015.

3. EKPC owns 2,956 circuit miles of high voltage transmission lines in various voltages, mainly 69kV and greater. EKPC also owns the substations necessary to support this transmission line infrastructure. Currently, EKPC has seventy-four (74) free-flowing interconnections with its neighboring utilities. EKPC's transmission system is operated by PJM Interconnection, LLC ("PJM"), of which EKPC has been a fully integrated member since June 1, 2013. PJM is a regional electric grid and market operator with operational control of over 180,000 MW of regional electric generation. It operates the largest capacity and energy market in North America.

## **II. FILING REQUIREMENTS**

4. Pursuant to 807 KAR 5:001, Section 14(1), EKPC's business address is 4775 Lexington Road, Winchester, Kentucky 40391 and its mailing address is Post Office Box 707, Winchester, Kentucky 40392-0707. EKPC's email address is: psc@ekpc.coop. EKPC requests that the following individuals be included on the service list:

Chris Adams, EKPC's Director of Regulatory and Compliance Services:

chris.adams@ekpc.coop

L. Allyson Honaker, Counsel for EKPC:

allyson@hloky.com

Brittany Hayes Koenig, Counsel for EKPC

brittany@hloky.com

5. Pursuant to 807 KAR 5:001, Section 14(2), EKPC is a Kentucky corporation, in good standing, and was incorporated on July 9, 1941.

6. Pursuant to 807 KAR 5:001, Section 15(2)(b), EKPC has listed in Exhibit 1, the necessary franchises or permits that will be necessary for construction of the proposed transmission line. EKPC will file copies of each of the franchises or permits when they are obtained from the proper authorities.

7. Pursuant to 807 KAR 5:001, Section 15(2)(c), the Project will include a rebuild of an existing 7.7 mile 69 kV transmission line as a double circuit 138 kV and 69 kV transmission line along the same route and utilizing the same right of way. In addition to the double circuit transmission line, EKPC proposes to build the Madison County Switching Station to address system protection and reliability concerns. EKPC also proposes the Fawkes Expansion in order to support the 69 kV system and serve future industrial load in this area. With minimal future load-serving capacity on the current 69 kV system, EKPC proposes that a 138-69 kV step-down transformer and necessary structures be added at the Madison County 69 kV Switching Station when needed. Likewise, when the need arises to serve future industrial load, EKPC proposes the construction of the New Industrial Substation. EKPC does not believe that any of these proposals require a CPCN from the Commission except for the construction of the 138 kV transmission line.<sup>1</sup> A more detailed description of the proposed location, route, or routes of the proposed construction

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<sup>1</sup> See KRS 278.020; 807 KAR 5:001, Section 15(3).

and rebuild is contained in the Direct Testimony of Laura LeMaster contained in Exhibit 17 to this Application.

8. Pursuant to 807 KAR 5:001, Section 15(2)(c), a description of the manner in which the rebuild and new construction will be constructed, and the names of all public utilities, corporations, or persons with whom the proposed construction or extension is likely to compete is included in the Direct Testimony of Laura LeMaster, contained in Exhibit 17 to this Application.

9. Pursuant to 807 KAR 5:001, Section 15(2)(e), EKPC plans to initially finance the Project with internally available general funds and later refinance the Project and other investments through long-term debt issued by the Rural Utilities Service or other lenders. The Project will not materially affect the financial condition of EKPC.

10. Pursuant to 807 KAR 5:001, Section 15(2)(f), EKPC's estimated annual cost of operation after the 138 kV transmission line is placed into service is approximately \$560,700.

11. Pursuant to 807 KAR 5:120, Section 1, EKPC filed its Notice of Intent to file this Application on September 14, 2022. A copy of the Notice of Intent is attached as Exhibit 2 to this Application.

12. Pursuant to 807 KAR 5:120 Section 2(2)(a), three maps of suitable scale, no less than one inch equals 1,000 feet for the Project are attached as Exhibit 3 to this Application. The map shows the location of the proposed 138 kV transmission line centerline and right of way, and boundaries of each property crossed by the 138 kV transmission line right of way, based upon the records of the Madison County Property Valuation Administrator ("PVA").

13. Pursuant to 807 KAR 5:120 Section 2(2)(b), Exhibit 4 includes sketches of the proposed typical transmission line support structures for the 138 kV transmission line.

14. Pursuant to 807 KAR 5:120 Section 2(2)(c), Exhibits 5-13 include additional maps that show the alternative routes considered by EKPC. These alternative routes are discussed in more detail in the siting study that was completed by NV5 Geospatial.

15. Pursuant to 807 KAR 5:120 Section 2(4), EKPC gave notice by mailing to each property owner over whose property the 138 kV transmission line is proposed to cross. The notices contain all the information required in 807 KAR 5:120 Section 15(3) and were mailed via first-class mail to the addresses listed by the Madison County PVA records on or about October 10, 2022. The verification of Nick Comer, External Affairs Manager for EKPC is attached to the Application as Exhibit 14, stating he was responsible for mailing the required notices. Attached to his verification is a copy of the notice that was mailed along with a list of the names and addresses of the property owners to whom the notice was sent.

16. Pursuant to 807 KAR 5:120 Section 2(6), EKPC also published a notice of the filing of this Application on October 11, 2022 in *The Richmond Register*, which is a newspaper of general circulation in Madison County, Kentucky. This notice included all of the necessary information required by 807 KAR 5:120 Section 2(5), including a map showing the proposed route, contact information for the Commission, a statement of the right to request a local public hearing, and a statement that interested persons have the right to request to intervene. EKPC is attaching a copy of the newspaper notice as Exhibit 15.

#### **REQUEST FOR CPCN AND DECLARATORY ORDER**

17. EKPC is requesting the Commission grant a CPCN for the construction of a new 138 kV transmission line which is to be added as a double-circuit on new structures being installed to replace the existing 69 kV transmission line structures and on the existing 69 kV transmission line's right-of-way. The existing 69 kV transmission line will be rebuilt due to an identified

overload and aging infrastructure concerns, and this rebuild will not involve any new parcels of property other than those for which EKPC already has an easement. EKPC does not believe that a CPCN is necessary for the rebuild of the 69 kV line pursuant to KRS 278.020(2) and 807 KAR 5:120 Section 2.

18. EKPC also requests the Commission grant it the authority to move the location of the line up to 100 feet on either side of the centerline shown on the map attached at Exhibit 3, to account for any unexpected conditions that may arise during the construction of the 138 kV transmission line. In requesting this flexibility, EKPC would not place the transmission line on any new parcel of property without such parcel owner's consent.

18. EKPC also requests the Commission to declare, pursuant to 807 KAR 5:001 Section 19, that a CPCN is not required for the Fawkes Expansion, the Madison County Switching Station, placement of the step-down transformer and construction of the New Industrial Substation. These elements of the Project are ordinary extensions in the normal course of business and therefore fall under the exception contained in 807 KAR 5:001 Section 15(3). These Project elements are discussed in more detail in the Direct Testimony of Laura LeMaster, attached as Exhibit 17.

19. Although EKPC does not believe these aspects of the project require a CPCN, if the Commission disagrees with EKPC, EKPC respectfully requests in the alternative that the Commission grant a CPCN that includes the Fawkes Expansion, the Madison County Switching Station, placement of the step-down transformer and construction of the New Industrial Substation as part of the Project.

20. Regardless of the Commission's determination with regard to the issuance of a CPCN for the 138 kV infrastructure, EKPC requests a declaratory order that a CPCN is not required for the 69 kV portion of the Madison County Switching Station, or, if the Commission

believes a CPCN is required for the 69 kV portion of the Madison County Switching Station, EKPC respectfully requests in the alternative that the Commission grant a CPCN for the 69 kV portion of the Madison County Switching Station at this time. The Madison County Switching Station is essential to assuring reliability within the Madison County region even if the 138 kV transmission line is not approved.

21. The Project is necessary to provide safe and reliable service to the area. Due to the required rebuild of the 69 kV line to mitigate an identified overload of the line segment and structural concerns, rebuilding the 69 kV line as a double circuit 138 kV and 69 kV line takes advantage of efficiencies in cost, land use, and construction to provide additional support and load-serving capacity, and will increase operational flexibility and provide reliability improvements to the area. This will allow EKPC to add the capacity needed for any new load that may develop within the area. The need for the transmission line and facilities is described in more detail in the Direct Testimony of Darrin Adams, attached as Exhibit 16.

22. EKPC reviewed alternative routes via a reasonable process that identified the route having the least impact on the surrounding area and property owners. The 138 kV transmission line and related investments are needed to provide greater capacity and reliability in the service area. The parameters of the project were carefully calibrated to avoid wasteful duplication of investment and the unnecessary cluttering of landscape with utility infrastructure. In order to evaluate the routes thoroughly, EKPC engaged the experts at NV5 Geospatial to conduct a siting study to determine the optimum route for the Project. This siting report is attached as Exhibit 18, and shows not only the chosen route, but also the alternative routes that were considered.

WHEREFORE, EKPC respectfully requests the Commission grant a CPCN for the construction of the 138 kV transmission line and for a declaration that a CPCN is not required for

the Fawkes Expansion, the Madison County Switching Station, placement of the step-down transformer and construction of the New Industrial Substation. Alternatively, if the Commission determines a CPCN is required, EKPC respectfully requests the Commission grant a CPCN for each of these respective elements of the Project.

This 27<sup>th</sup> day of October, 2022.

Respectfully Submitted,



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L. Allyson Honaker  
Brittany Hayes Koenig  
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1795 Alysheba Way, Suite 6202  
Lexington, KY 40509  
(859) 368-8803  
allyson@hloky.com  
brittany@hloky.com

*Counsel for East Kentucky Power Cooperative, Inc.*

EXHIBIT LIST

EXHIBIT NO.	TITLE	RESPONSIBLE PERSON
1	PERMITS/FRANCHISES	LAURA LEMASTER
2	NOTICE OF INTENT	ALL WITNESSES
3	PROPOSED ROUTE MAP	LAURA LEMASTER
4	TYPICAL STRUCTURE SKETCHES	LAURA LEMASTER
5-13	ALTERNATE ROUTE MAPS	LAURA LEMASTER
14	VERIFICATION OF MAILING NOTICE TO PROPERTY OWNERS – SAMPLE NOTICE – LIST OF PROPERTY OWNERS	NICK COMER
15	NEWSPAPER NOTICE AND AFFIDAVIT	NICK COMER
16	TESTIMONY	DARRIN ADAMS
17	TESTIMONY	LAURA LEMASTER
18	SITING REPORT	LAURA LEMASTER



**EXHIBIT 1**  
**PERMITS/FRANCHISES**

## **Exhibit 1 – Fawkes to Duncannon Lane 69 kV to 138 kV and 69 kV Transmission Line Rebuild Environmental Permitting and Approvals**

### **RUS National Environmental Policy Act Approval**

1. US Fish and Wildlife Service Section 7 Coordination
  1. endangered species review
2. Federally Designated Indian Tribe Section 106 Review
3. State Historic Preservation Office Section 106 Review
  1. Archaeology and Cultural Historic surveys
4. Natural Resource Conservation Service
  1. Prime Farmland and Hydric soils data request
5. Archeological Resources Protection Act, 16 U.S.C. 470aa et seq.
6. Clean Air Act, 42 U.S.C. 7401 et seq.
7. Clean Water Act, 33 U.S.C. 1251 et seq.
8. Comprehensive Environmental Response, Compensation, & Liability Act, 42 U.S.C. 9601 et seq.
9. Endangered Species Act, 16 U.S.C. 1531 et seq.
10. Farmland Protection Policy Act, 7 U.S.C. 4201 et seq.
11. National Environmental Policy Act, 42 U.S.C. 4321 et seq.
12. National Historic Preservation Act, 16 U.S.C. 470 et seq.
13. Native American Graves Protection and Repatriation Act of November 16, 1990 (P.L. 101-601, 104 Statute 3048; 25 USC 3001-3013)
14. Resource Conservation & Recovery Act, 42 U.S.C. 6901 et seq.
15. Solid Waste Disposal Act, 42 U.S.C. 3251
16. Safe Drinking Water Act, 42 U.S.C. 300 et seq.
17. E.O. 11514, Protection and Enhancement of Environmental Quality
18. E.O. 11593, Protection and Enhancement of the Cultural Environment
19. E.O. 11988, Floodplain Management
20. E.O. 11990, Protection of Wetlands
21. E.O. 12898, Environmental Justice
22. E.O. 13084, Consultation and Coordination with American Indian Tribes

### **US Army Corps Of Engineers**

1. Nationwide Permit #57 – No Preconstruction Notification required

### **Kentucky Division of Water**

1. General Water Quality Certification – Nationwide Permit #57
2. General Floodplain Permit
3. KYR10 General Stormwater Permit for construction

### **Kentucky Transportation Cabinet**

1. TC99-211 – Overhead Utility Encroachment Diagram for Fully Controlled Highways

2. TC99-212 – Overhead Utility Encroachment Diagram for Non-Fully Controlled Highways
3. TC-99-1A – Application for Encroachment Permit
4. TC99-210 – Rolling Roadblock for Permitted Work on Fully Controlled Highways

**Utility Coordination**

1. Kinder Morgan – 30 metre Permit or Proximity Permit – as necessary based on final surveyed locations

**Additional Required Permits for Substation Work – in addition to those listed above**

1. Phase I Environmental Site Assessment per ASTM 1527-13 (Fawkes Substation Expansion, Madison County Switching Station, Industrial Substation)
  1. Substation property acquisitions
2. CSX Railroad Crossing Permit (Madison County Switching Station)
3. KU Crossing Permit (Fawkes Substation Expansion Work)

EXHIBIT 2  
NOTICE OF INTENT

**HONAKER**  
**LAW**  
**OFFICE**

**L. Allyson Honaker**  
(859) 368-8803  
allyson@hloky.com.com

September 14, 2022

Ms. Linda C. Bridwell, P.E.  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40602

Re: Electronic Application of East Kentucky Power Cooperative, Inc. for a (1) Certificate of Public Convenience and Necessity for the Construction of Transmission Facilities in Madison County, Kentucky; (2) Declaratory Order Confirming that a Certificate of Public Convenience and Necessity is not Required for Certain Facilities – Case No. 2022-00314

Dear Ms. Bridwell:

Please let this letter serve as notice, pursuant to KRS 278.020, 807 KAR 5:001 and 807 KAR 5:120 that East Kentucky Power Cooperative, Inc. (“EKPC”) plans to file on or after October 14, 2022 an Application for a Certificate of Public Convenience and Necessity (“CPCN”) to construct a 138 kV electric transmission line in Madison County, Kentucky and for other declaratory relief. After the completion of a condition assessment showing aging infrastructure and other information showing a potential thermal overload in 2023, EKPC has determined that this project is necessary. This project will allow EKPC to continue to provide safe and reliable service to its Owner-Members and their end-use members as well as to add additional transmission capacity for future load growth in the area.

Pursuant to 807 KAR 5:120 Section 1(2)(a), EKPC’s contact information is:

East Kentucky Power Cooperative, Inc.  
4775 Lexington Road  
Winchester, KY 40391  
(859) 744-4812

EKPC has filed a Notice to Use Electronic Filing Procedures in this case.

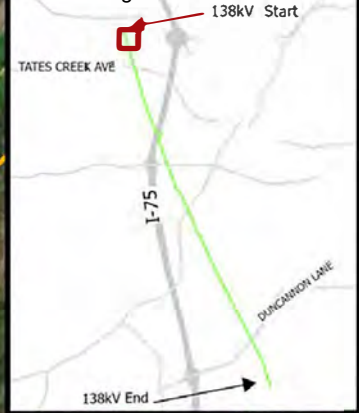
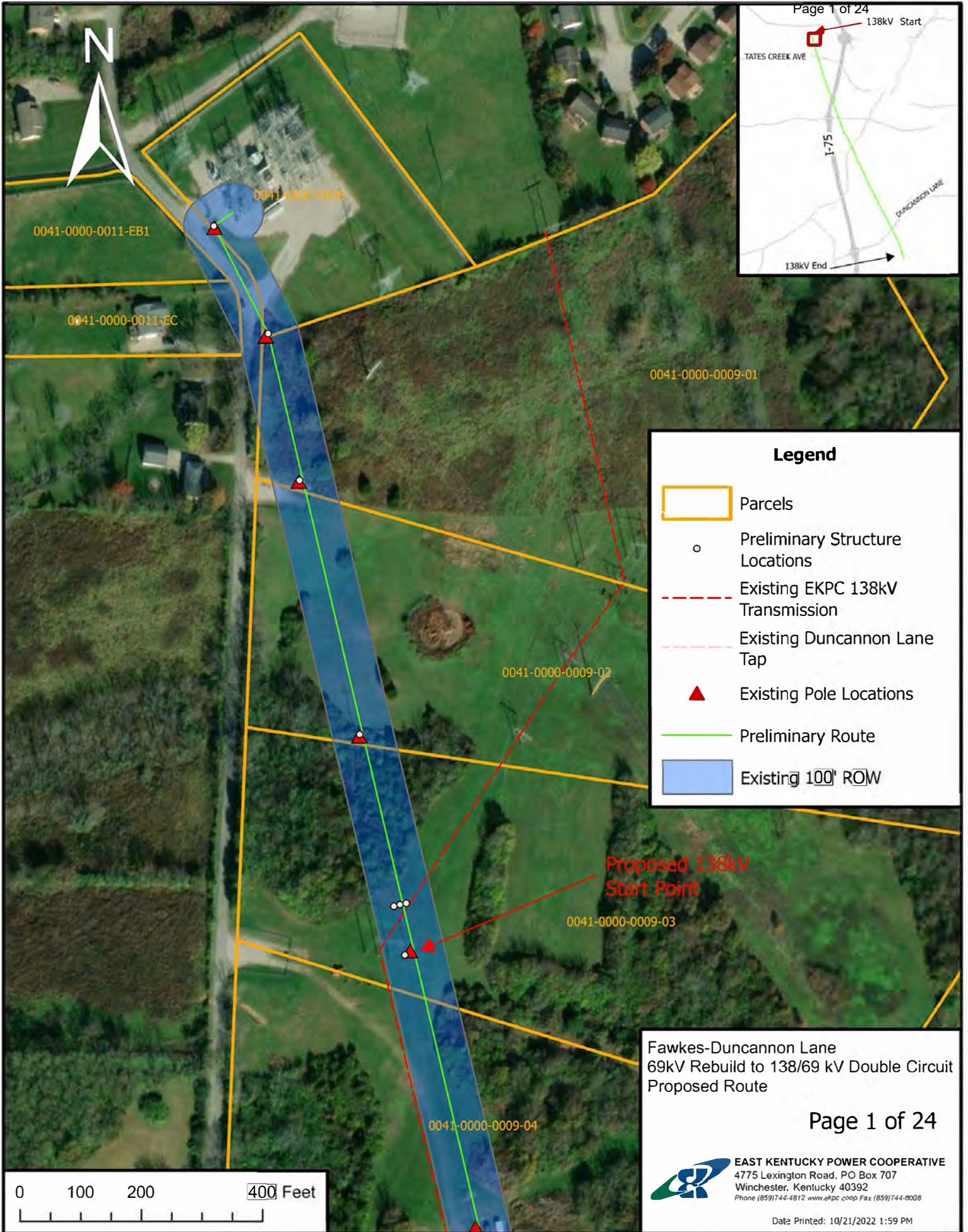
Please do not hesitate to contact me with any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Allyson Honaker". The signature is fluid and cursive, with a large initial "L" and a long, sweeping tail.

L. Allyson Honaker

EXHIBIT 3  
PROPOSED ROUTE MAP

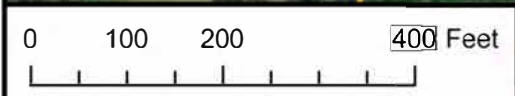


**Legend**

- Parcels
- Preliminary Structure Locations
- Existing EKPC 138kV Transmission
- Existing Duncannon Lane Tap
- ▲ Existing Pole Locations
- Preliminary Route
- Existing 100' ROW

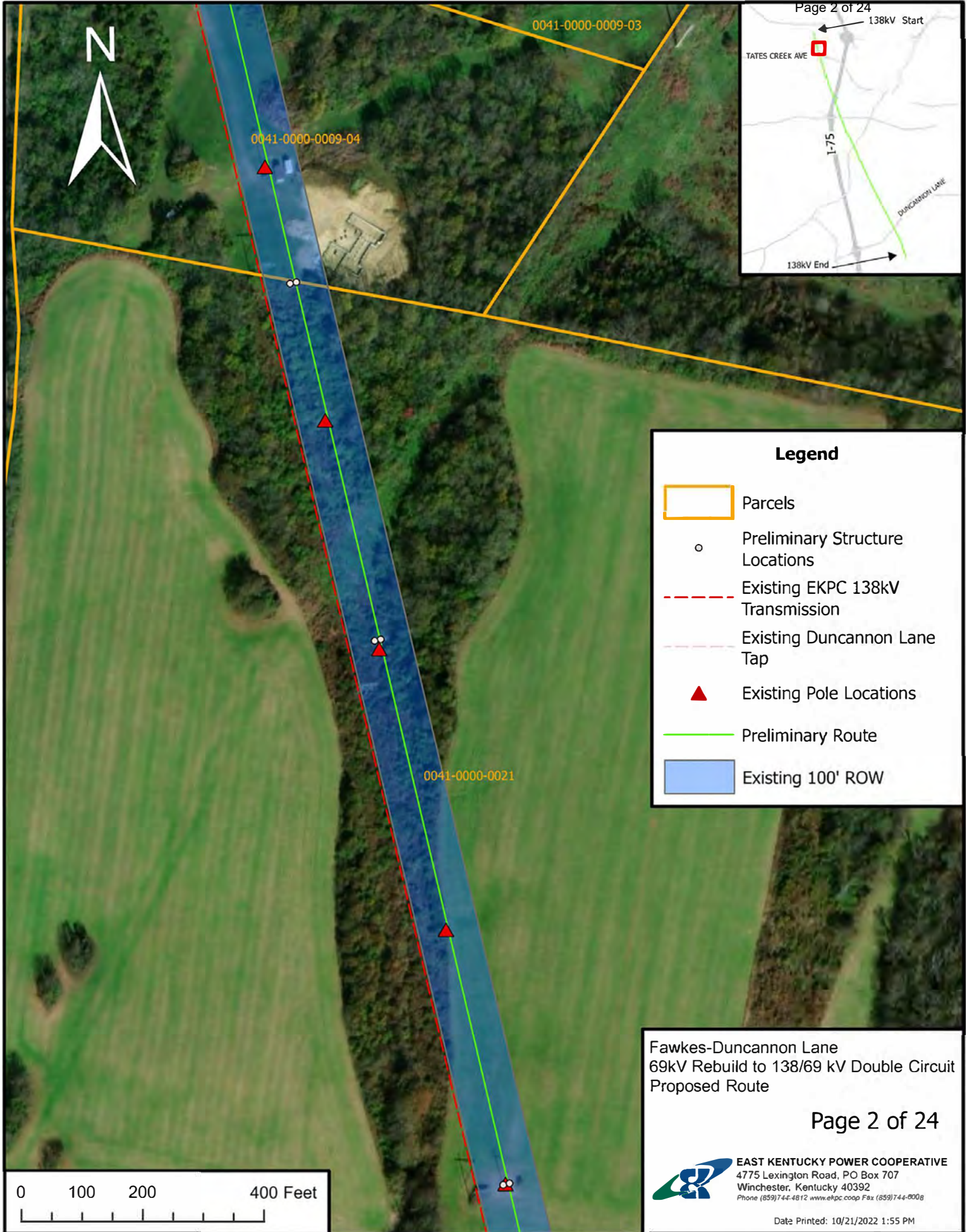
Proposed 138kV Start Point

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route










Maxar, Microsoft





### Legend

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
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-  Preliminary Route
-  Existing 100' ROW

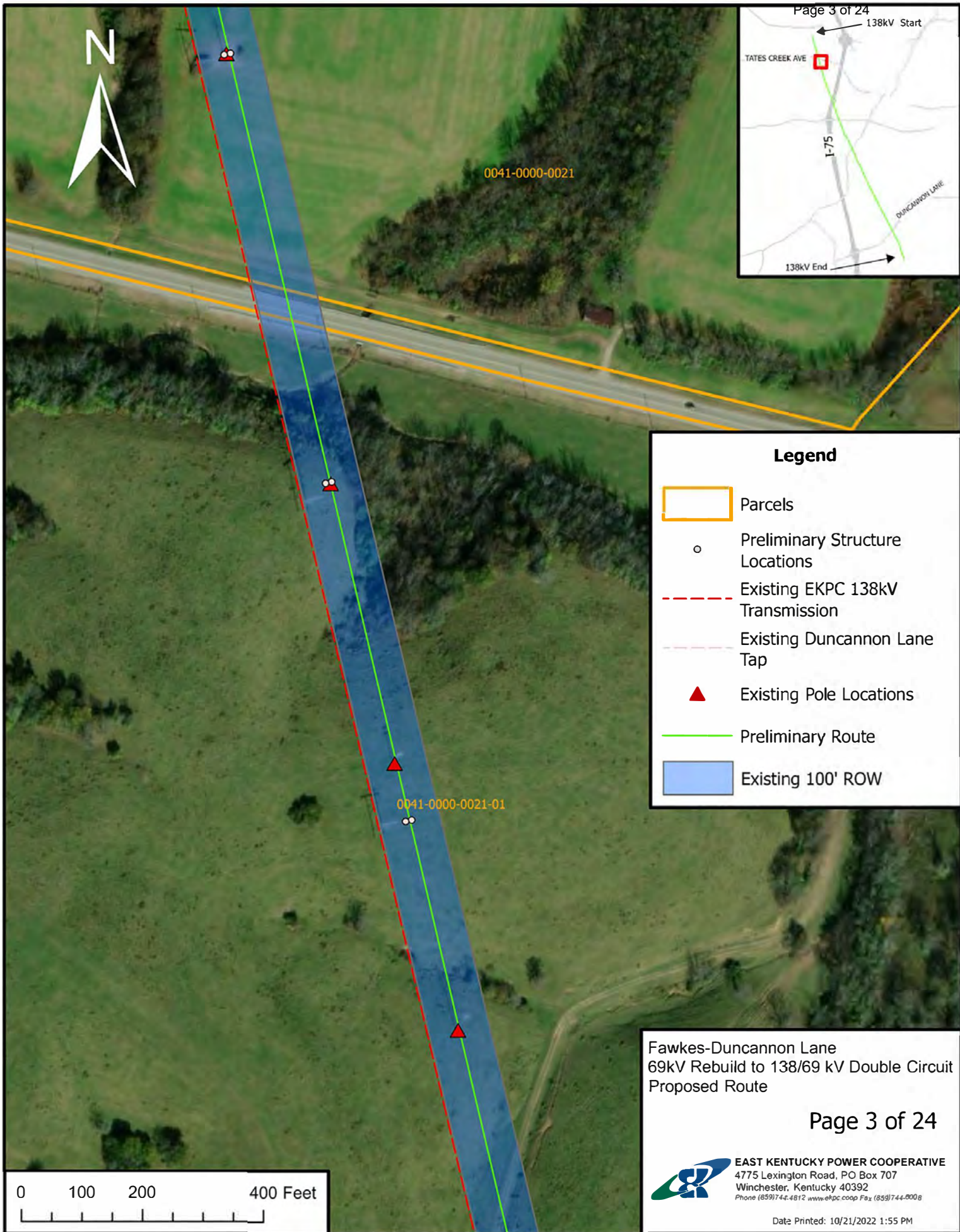
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route

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 **EAST KENTUCKY POWER COOPERATIVE**  
 4775 Lexington Road, PO Box 707  
 Winchester, Kentucky 40392  
 Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008

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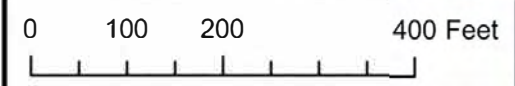




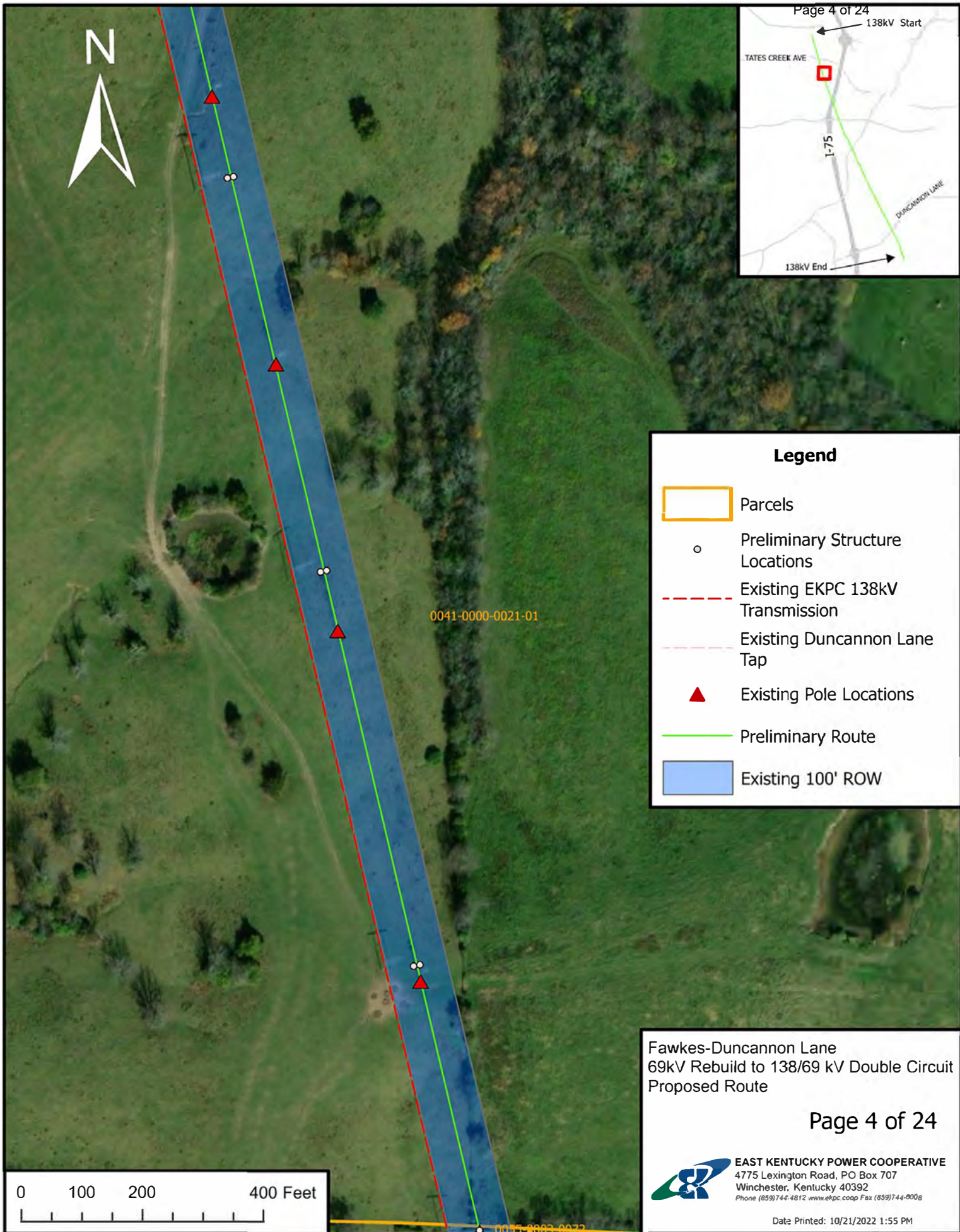
### Legend

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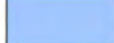
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route



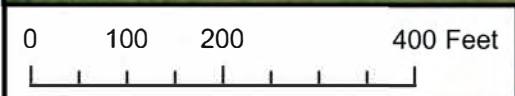




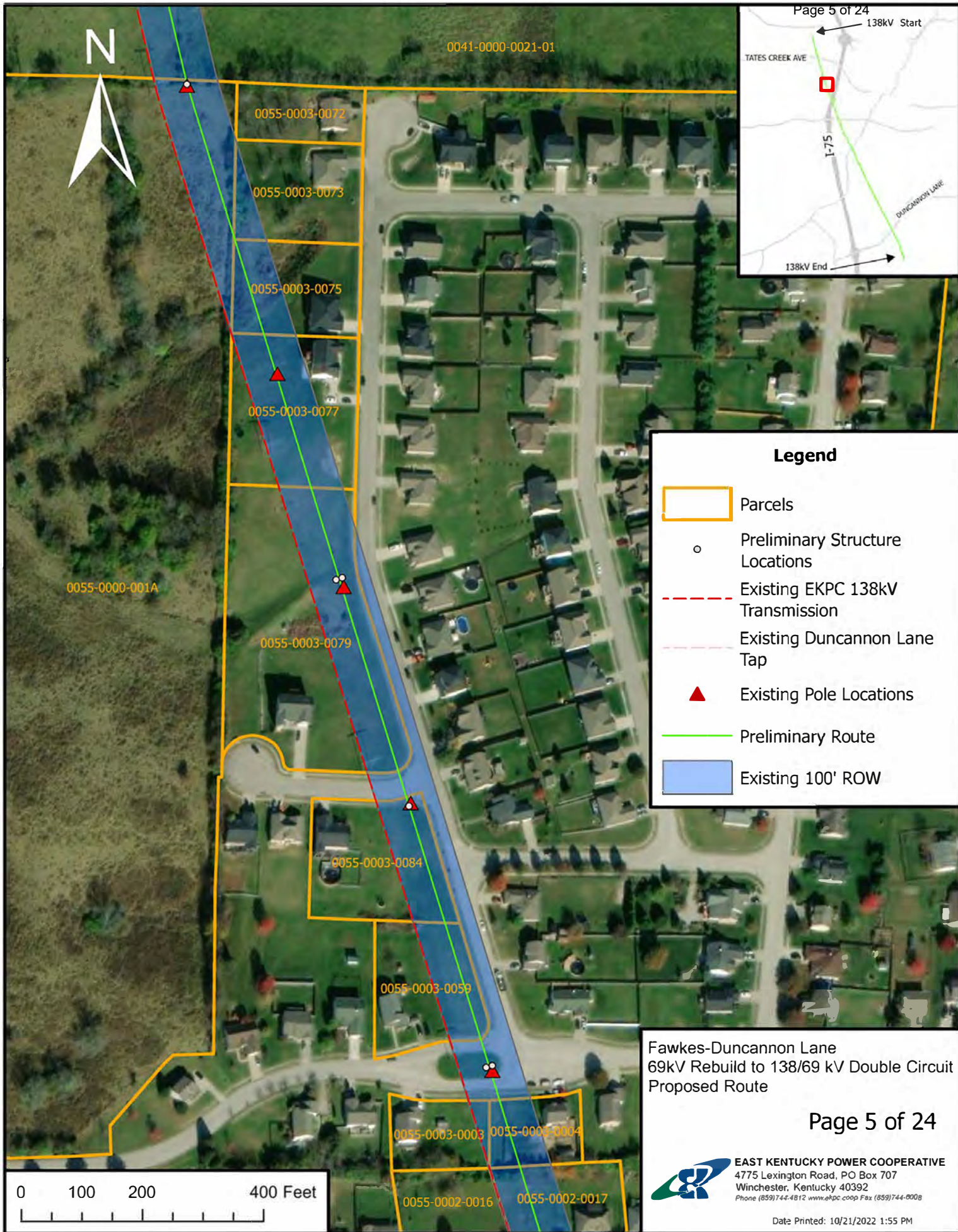
**Legend**

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-  Preliminary Route
-  Existing 100' ROW

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route







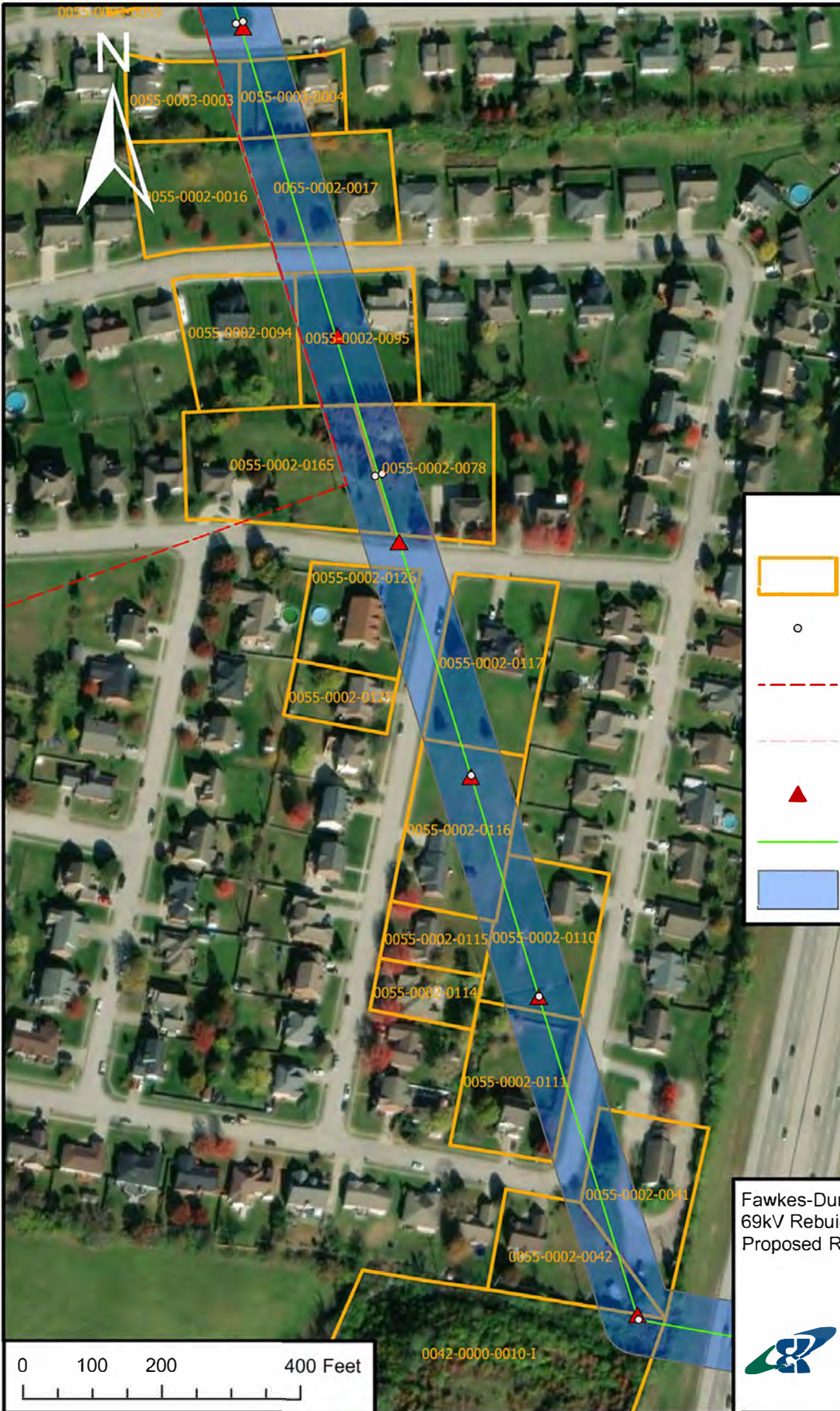
### Legend

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Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route

Maxar, Microsoft



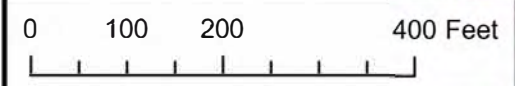


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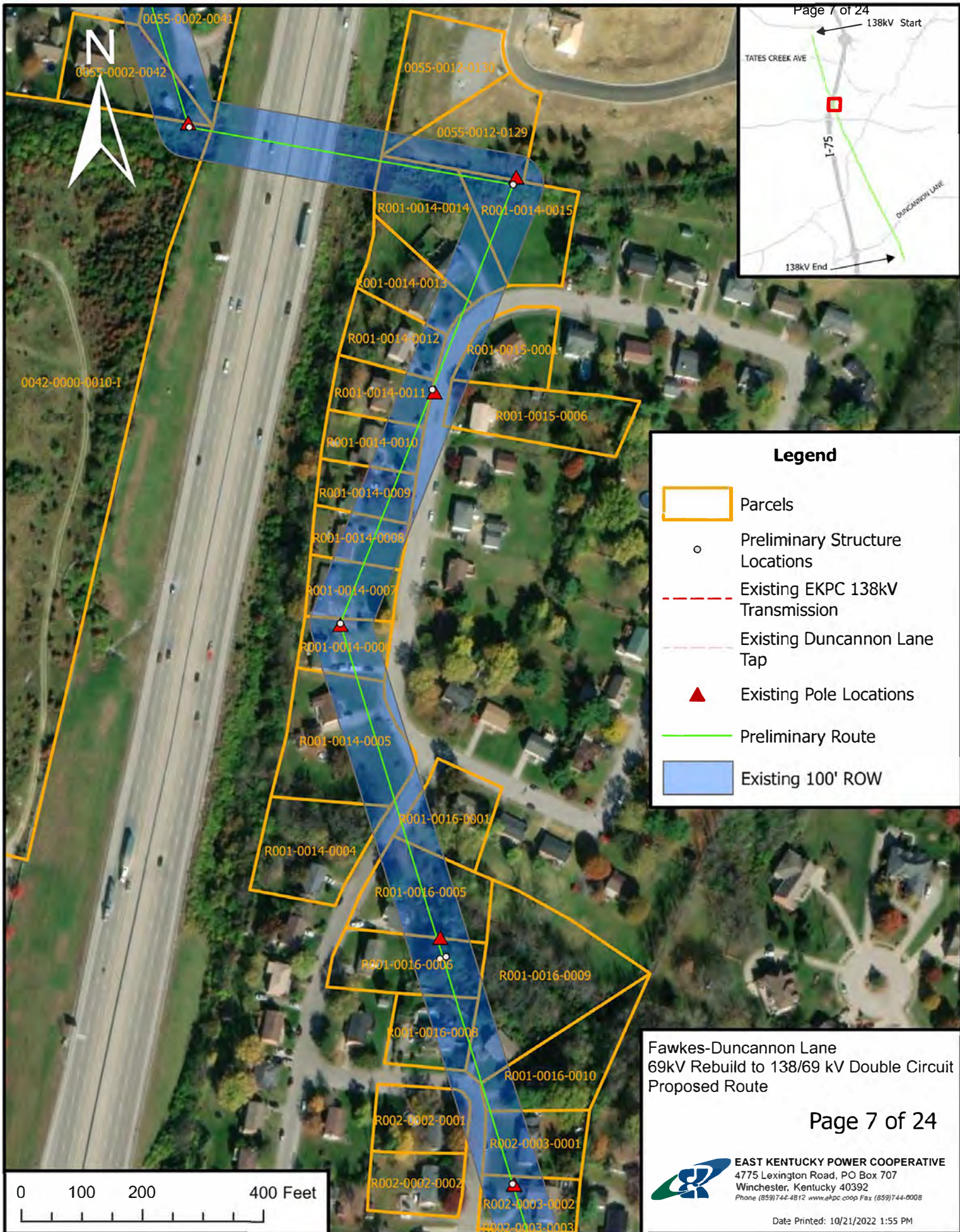
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Fawkes-Duncannon Lane  
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Proposed Route



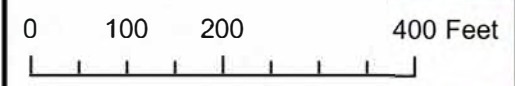




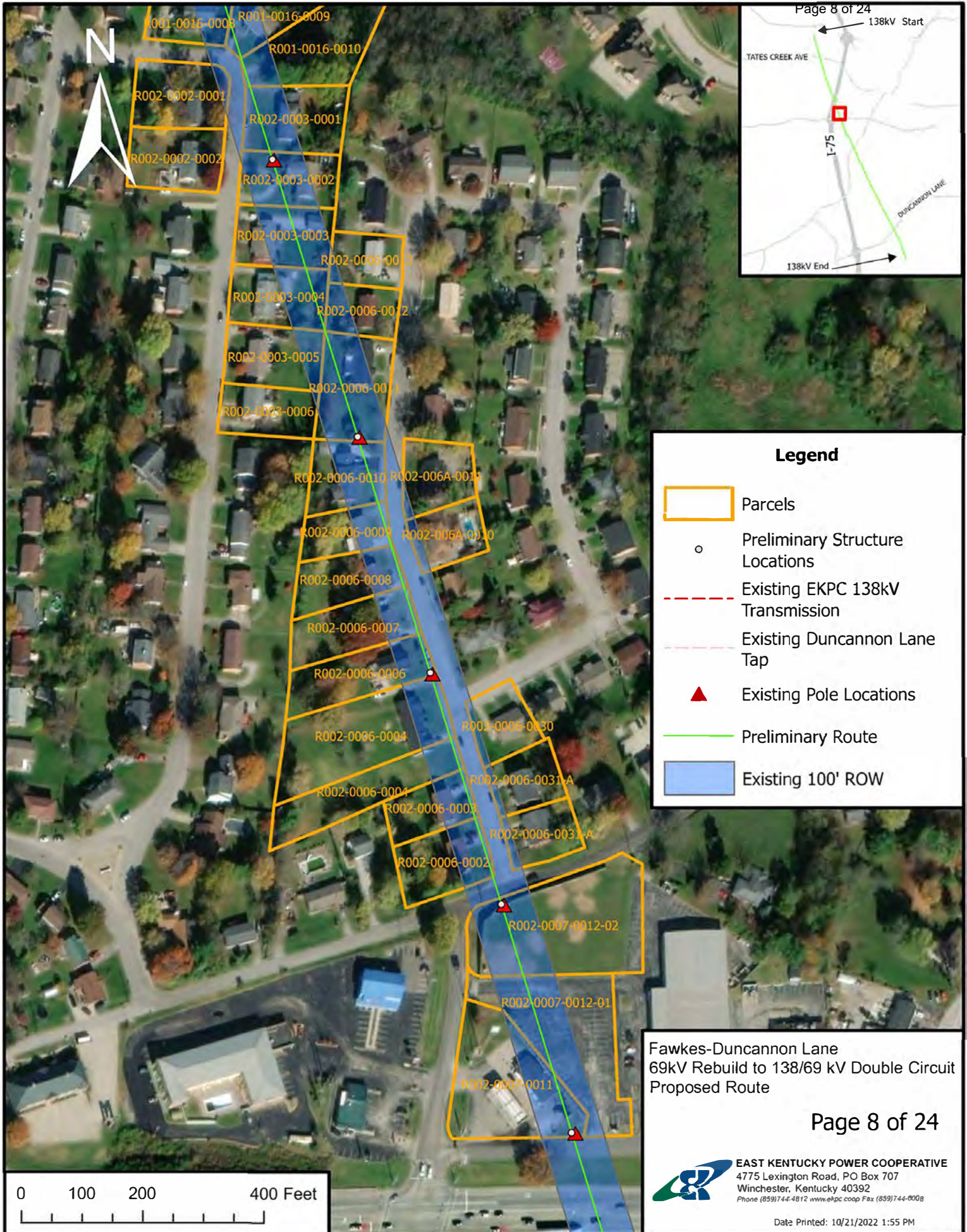
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Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route





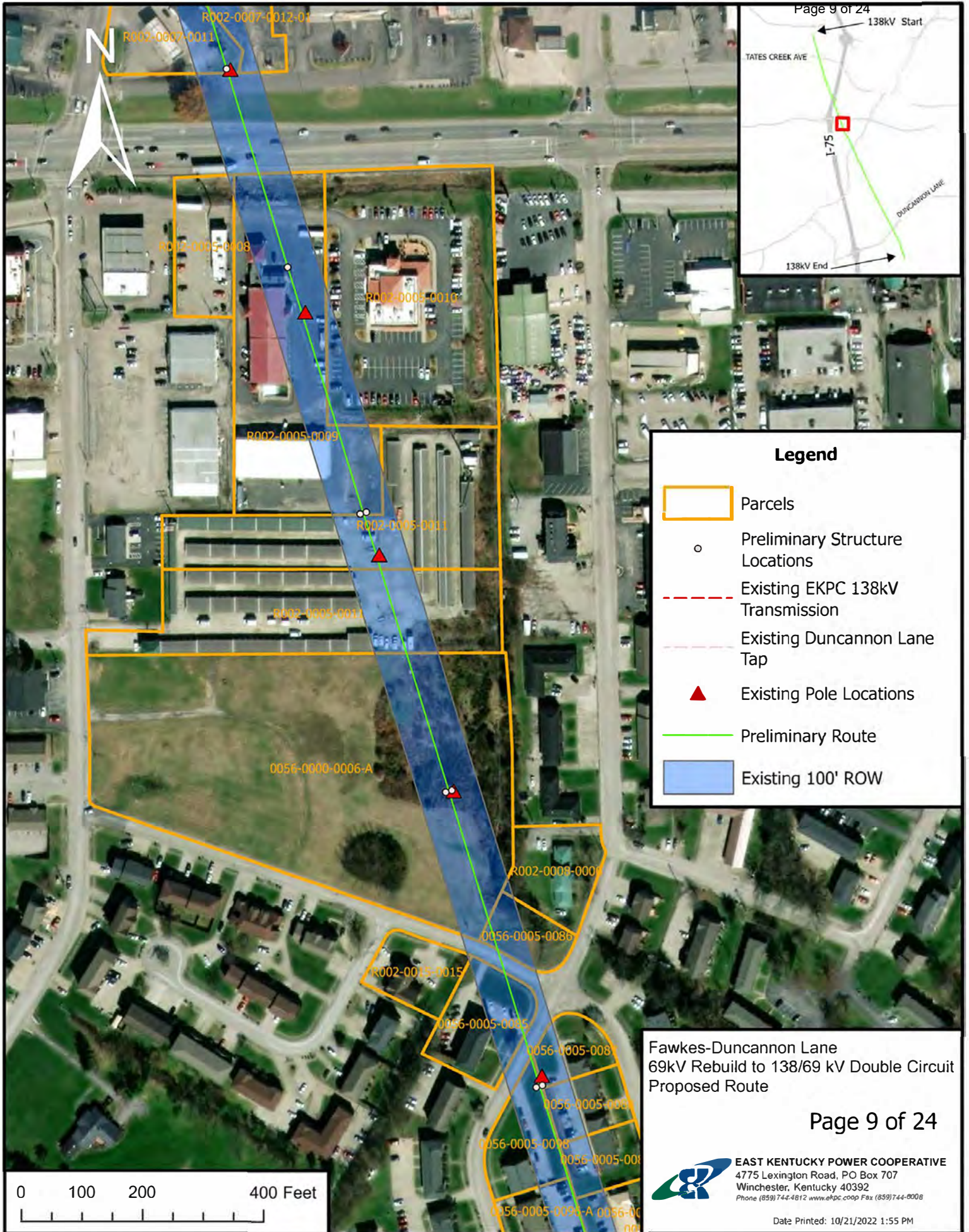


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Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
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Proposed Route

Maxar, Microsoft





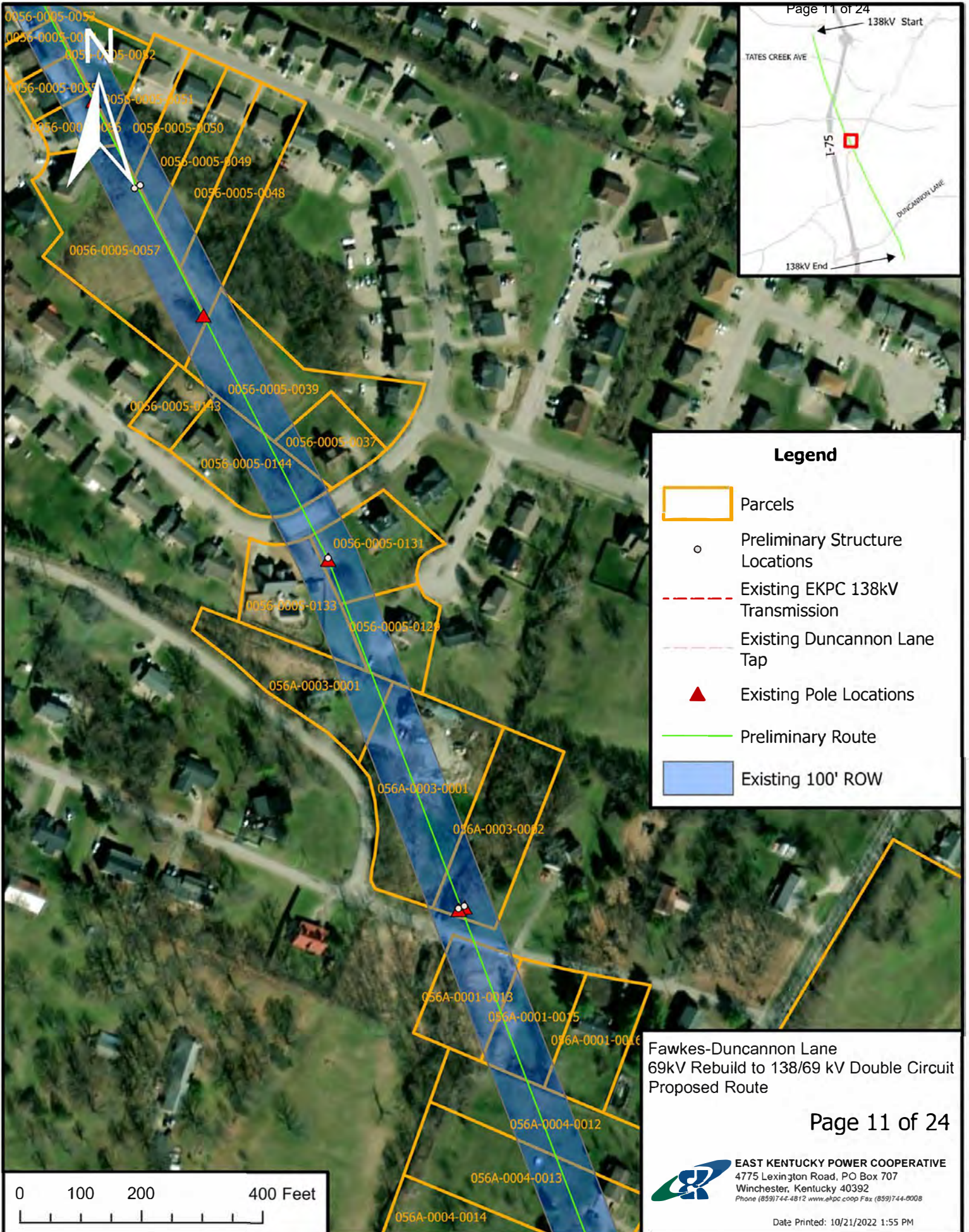
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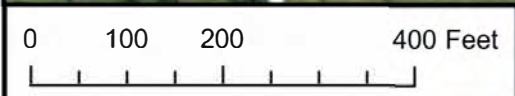




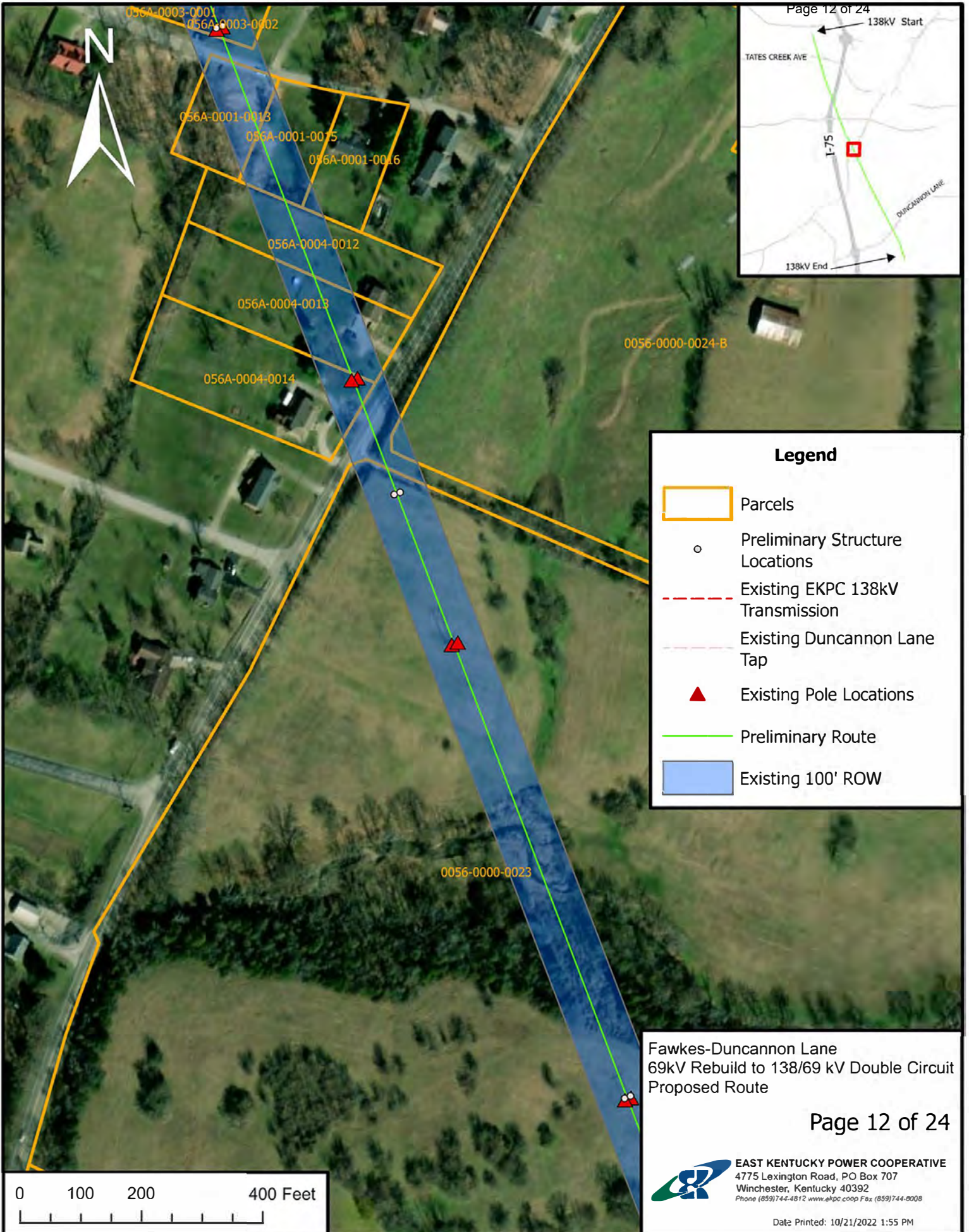
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69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route



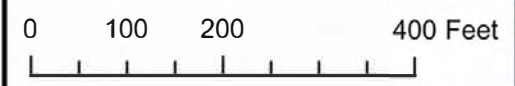




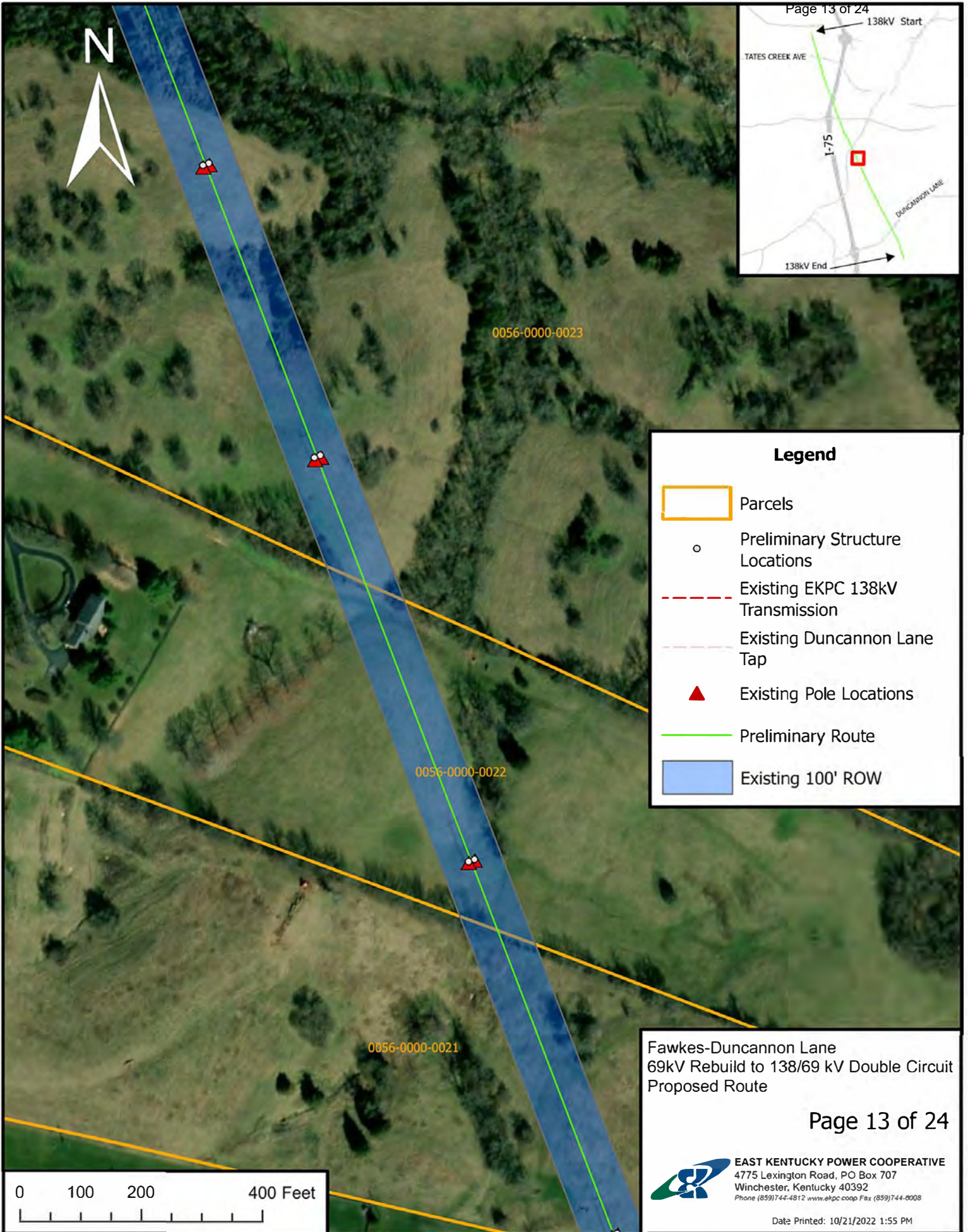
### Legend

- Parcels
- Preliminary Structure Locations
- Existing EKPC 138kV Transmission
- Existing Duncannon Lane Tap
- ▲ Existing Pole Locations
- Preliminary Route
- Existing 100' ROW








Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route



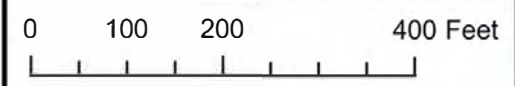




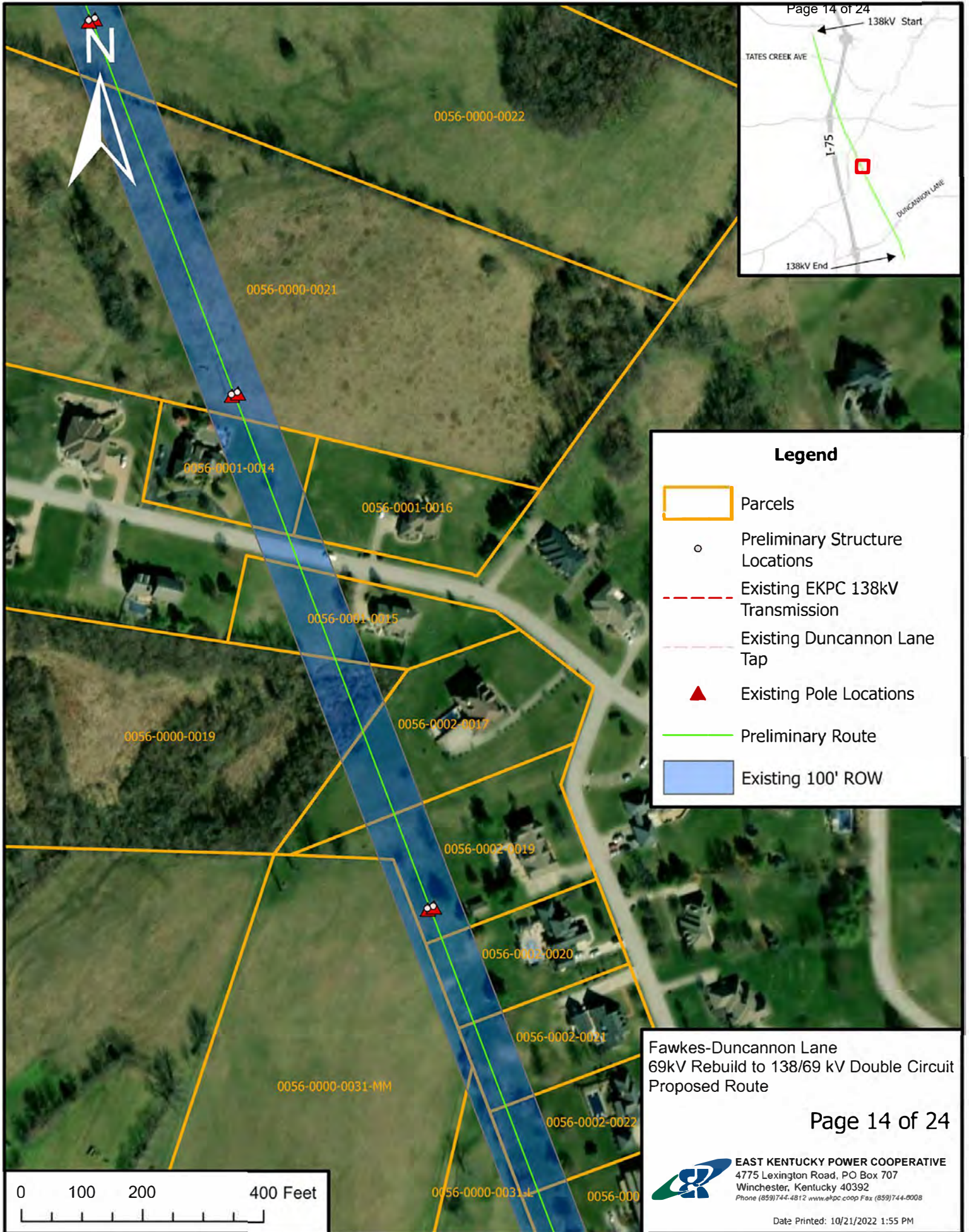
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW








Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route



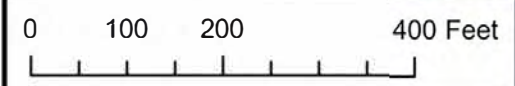




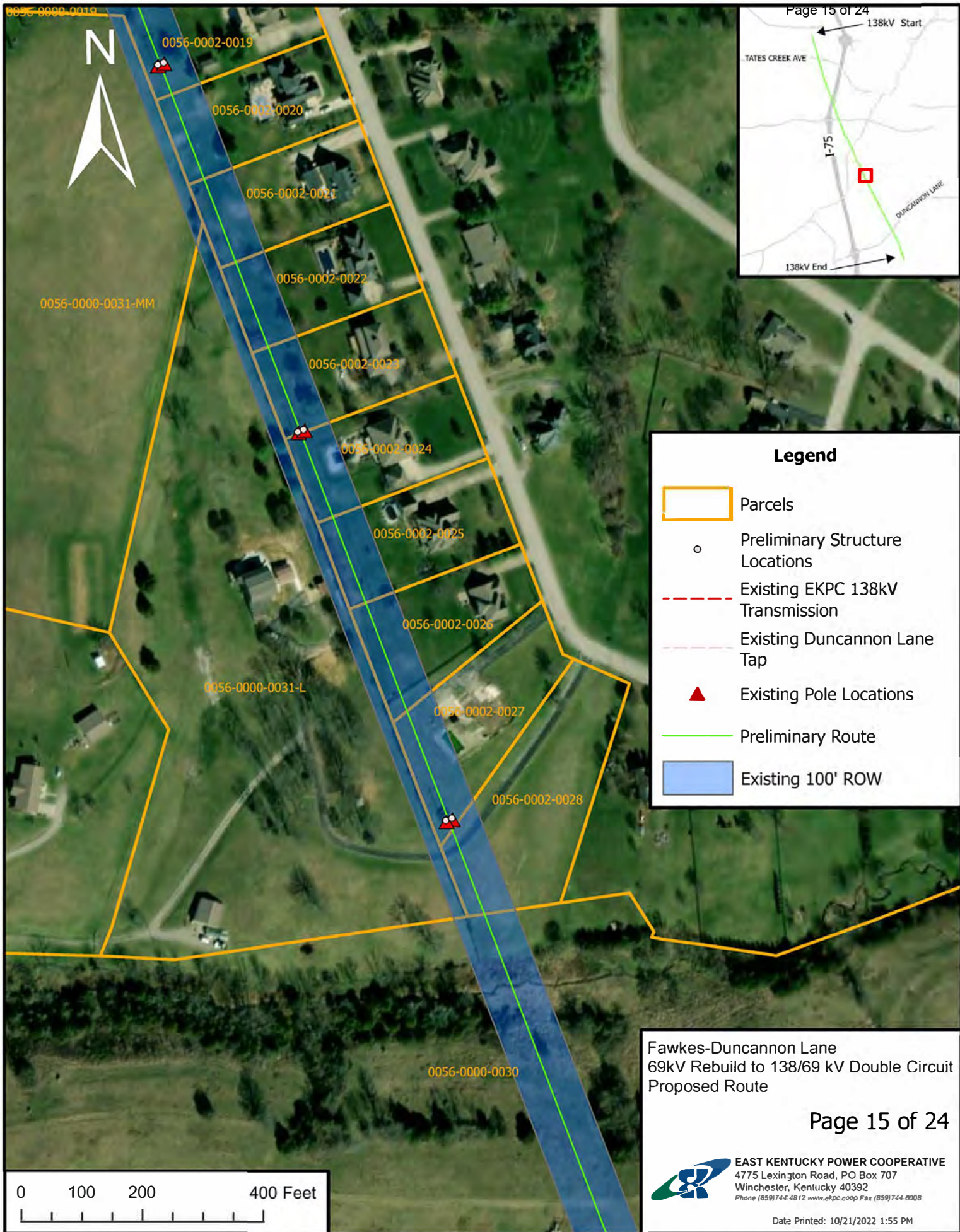
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW








Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route







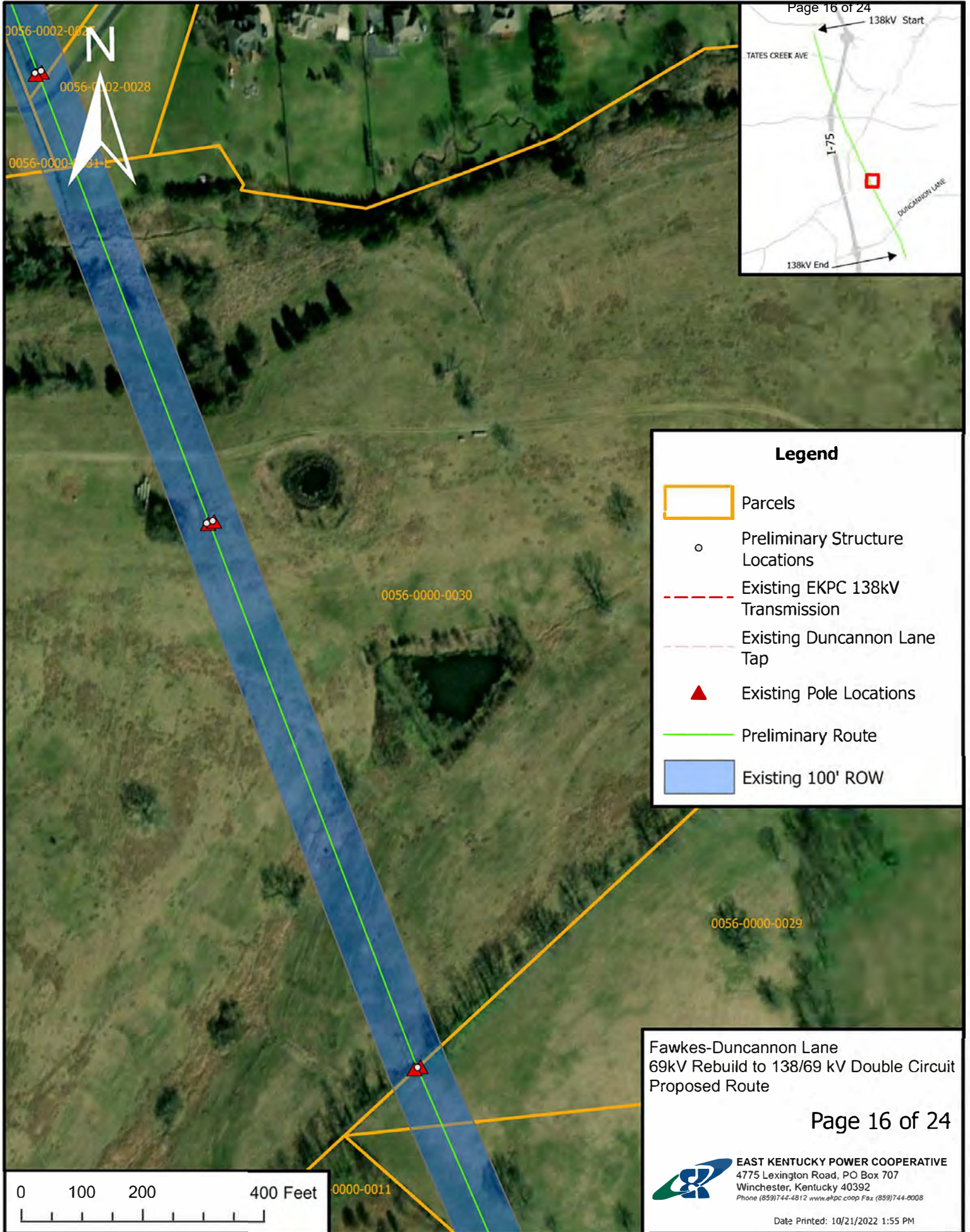
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW

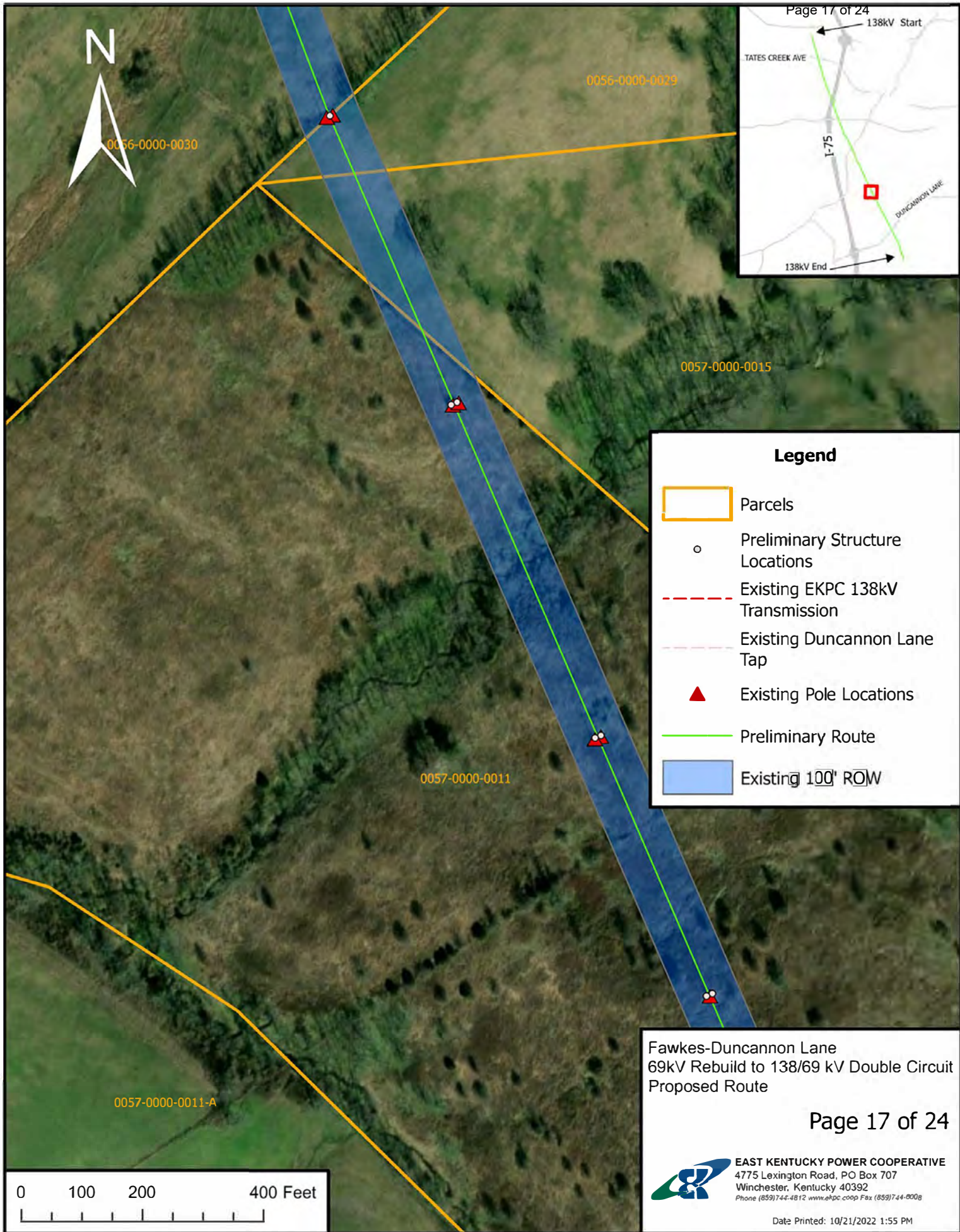
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route














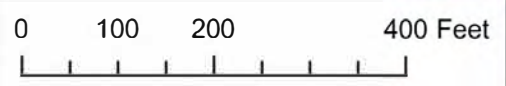




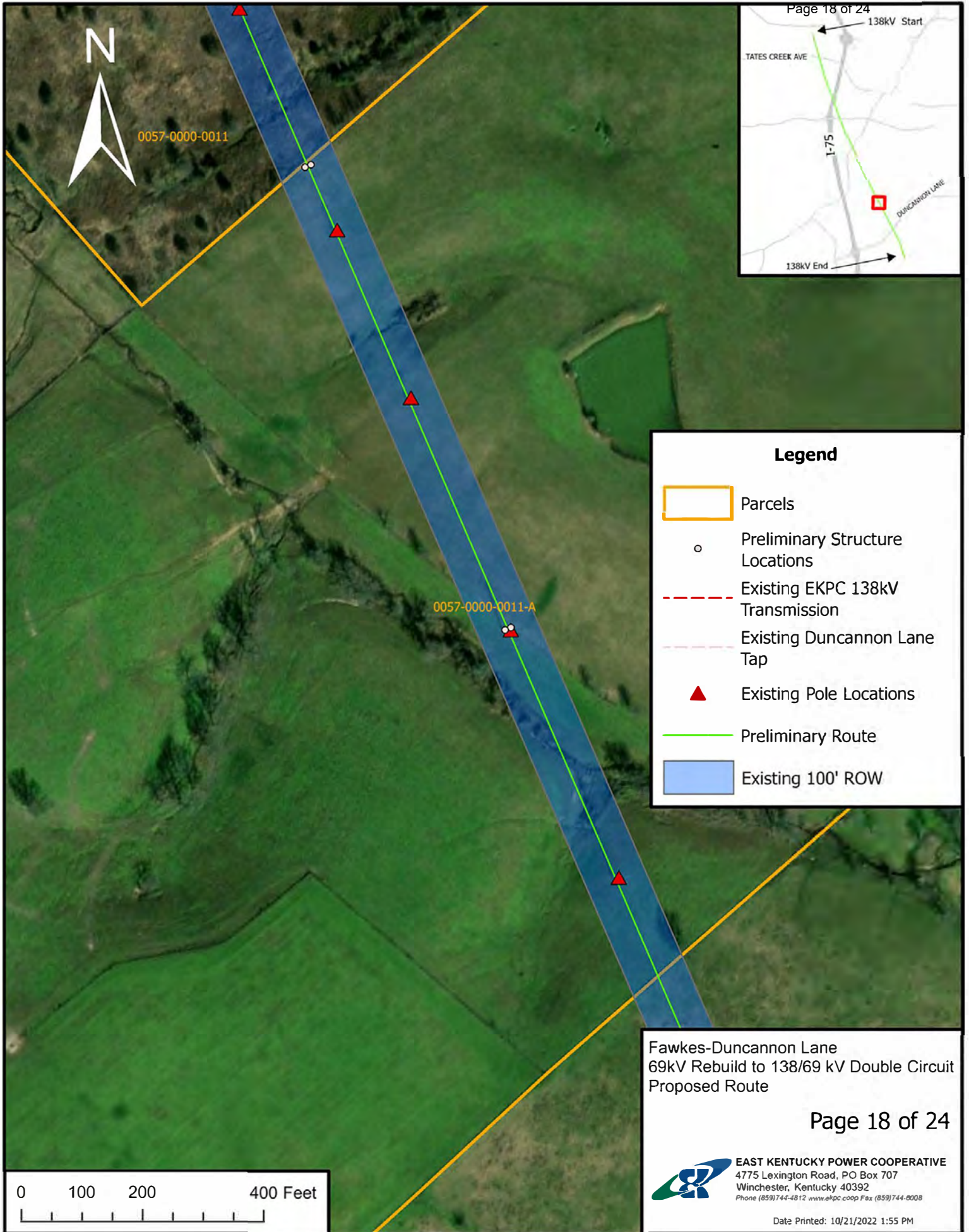
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW







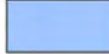
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route







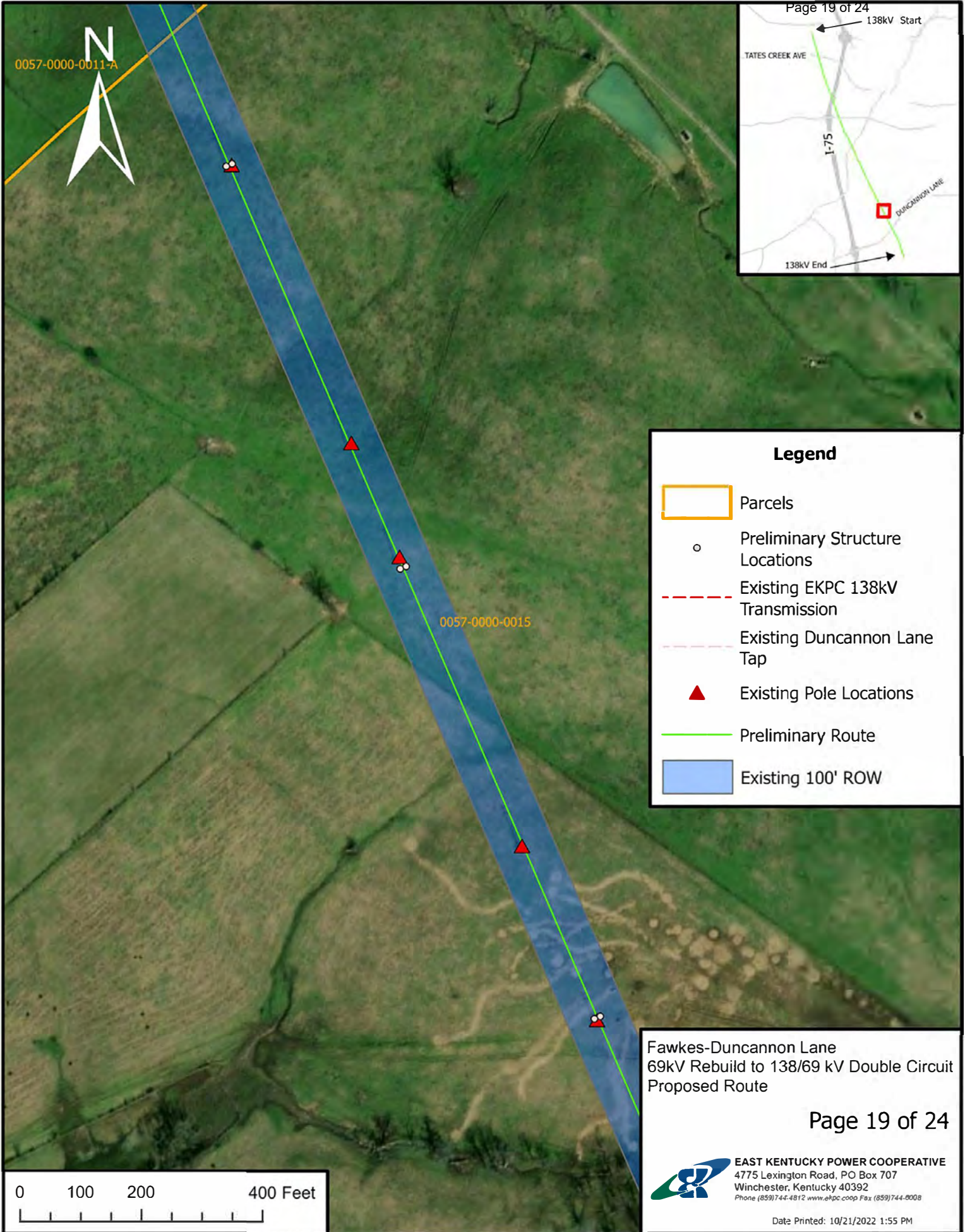
### Legend

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW

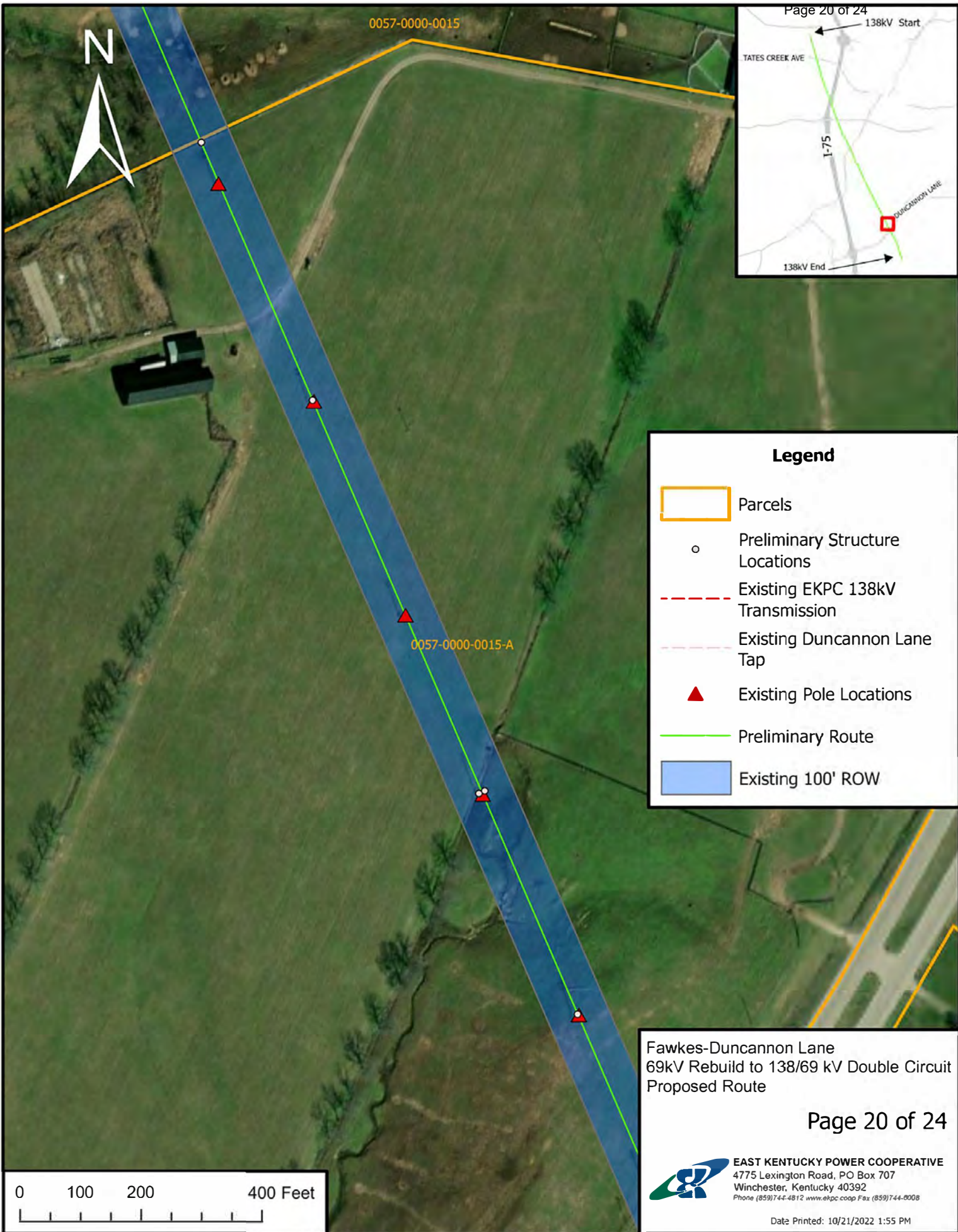
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route

Maxar, Microsoft
















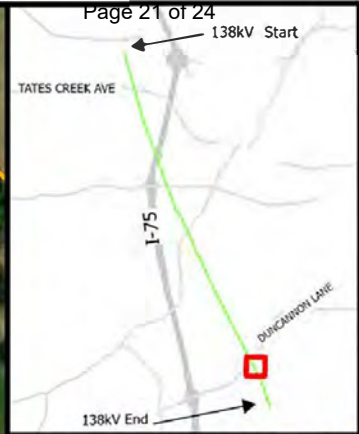
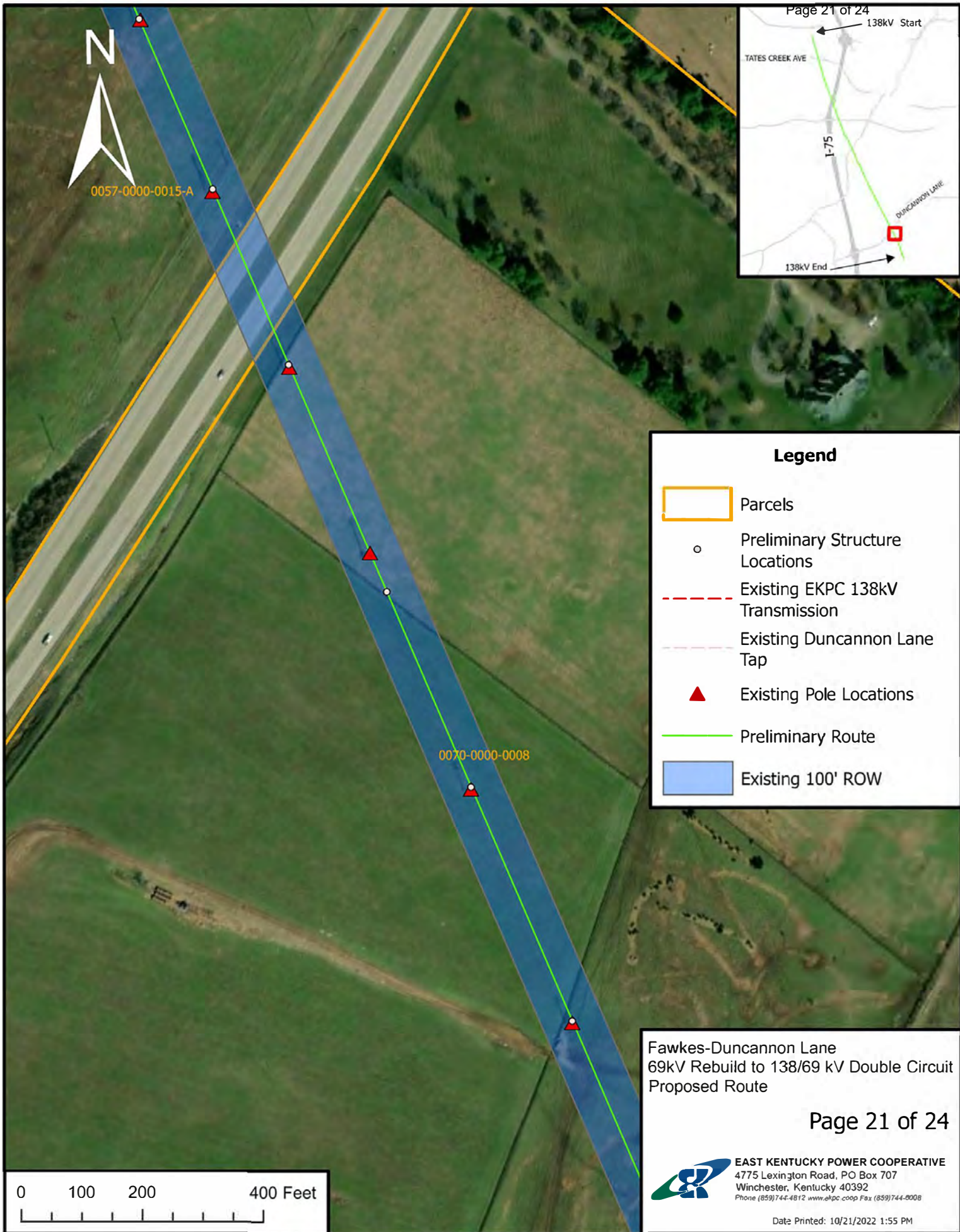
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW








Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route

Maxar, Microsoft





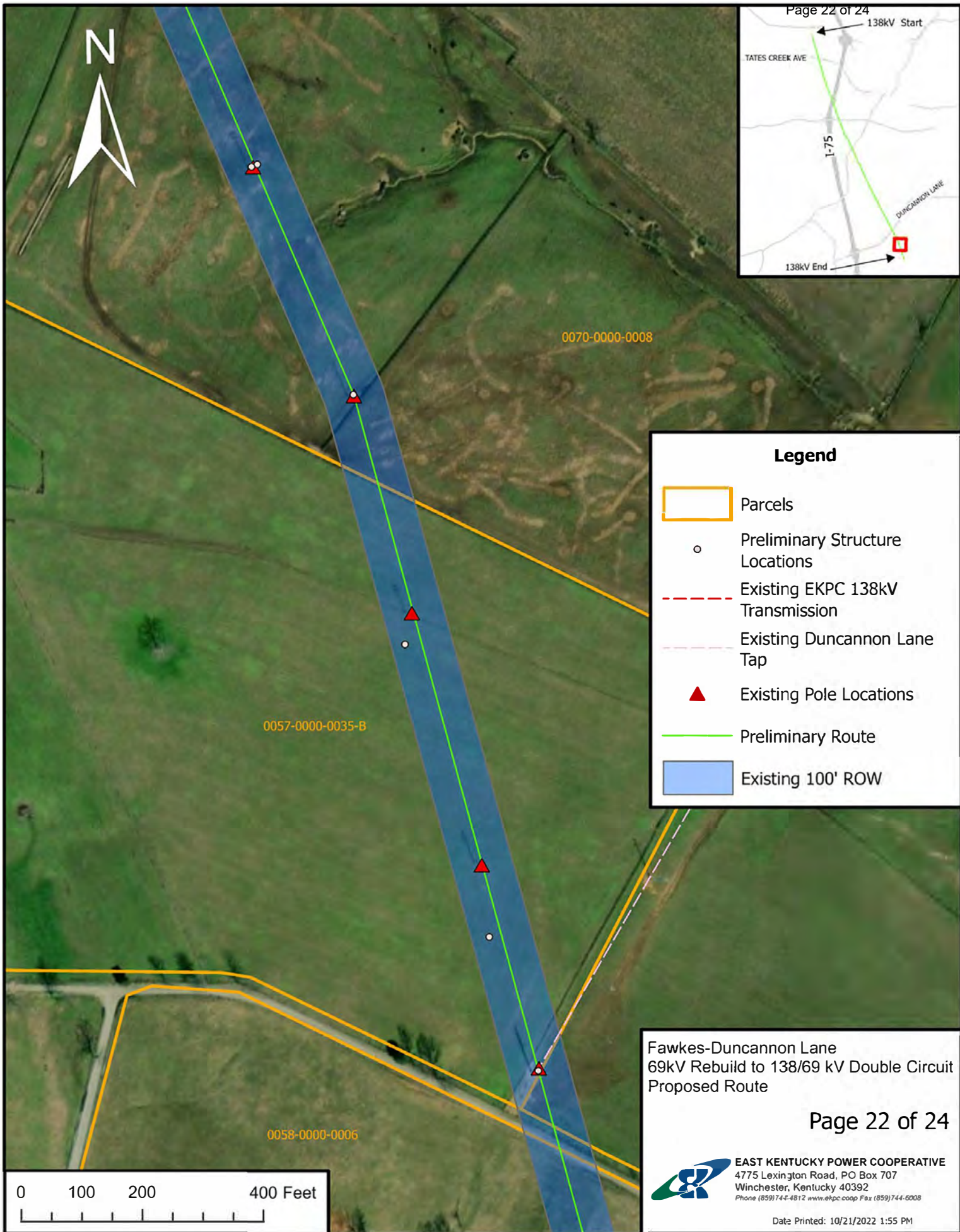
**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route











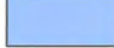


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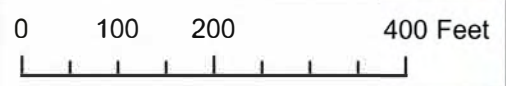
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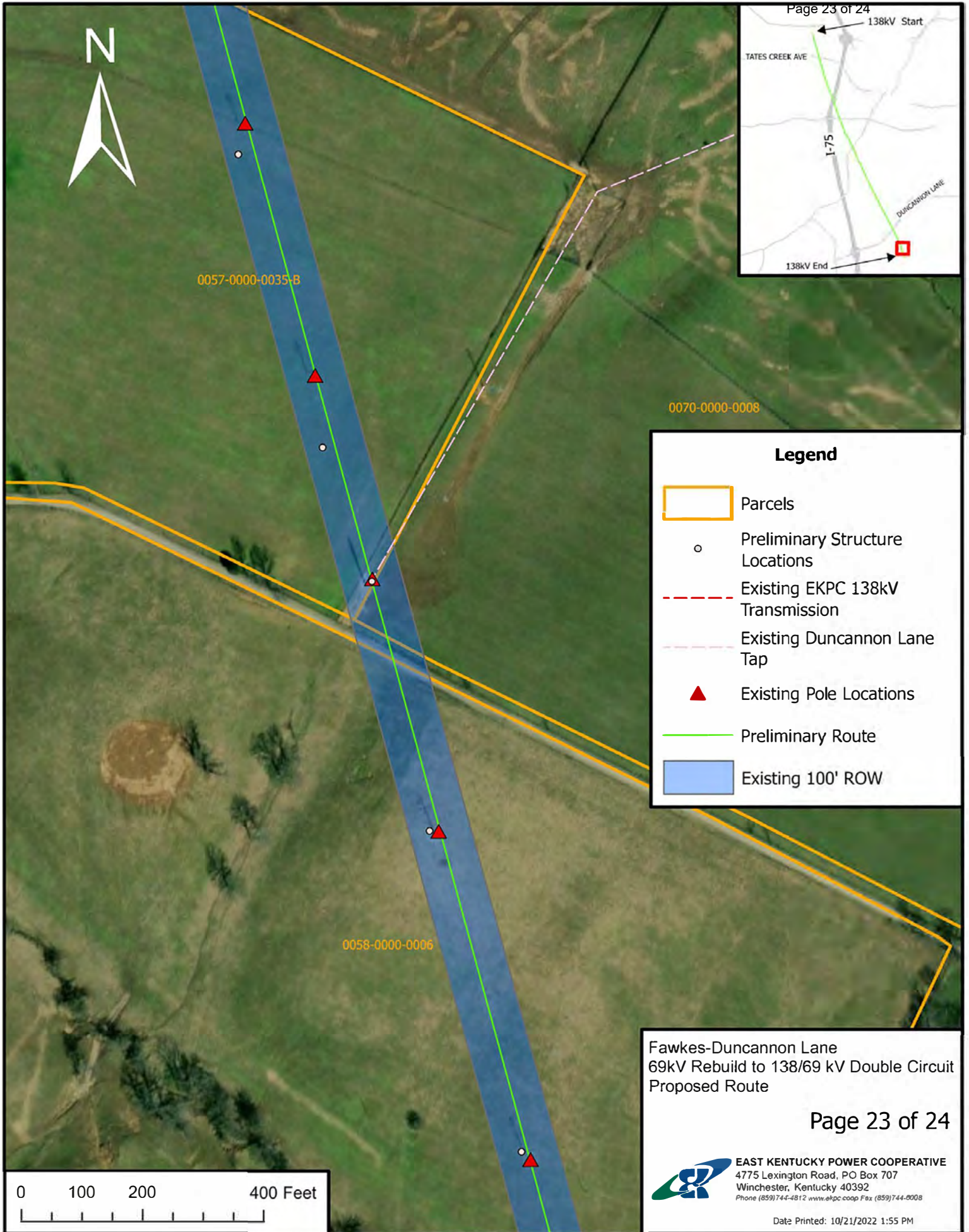
### Legend

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW

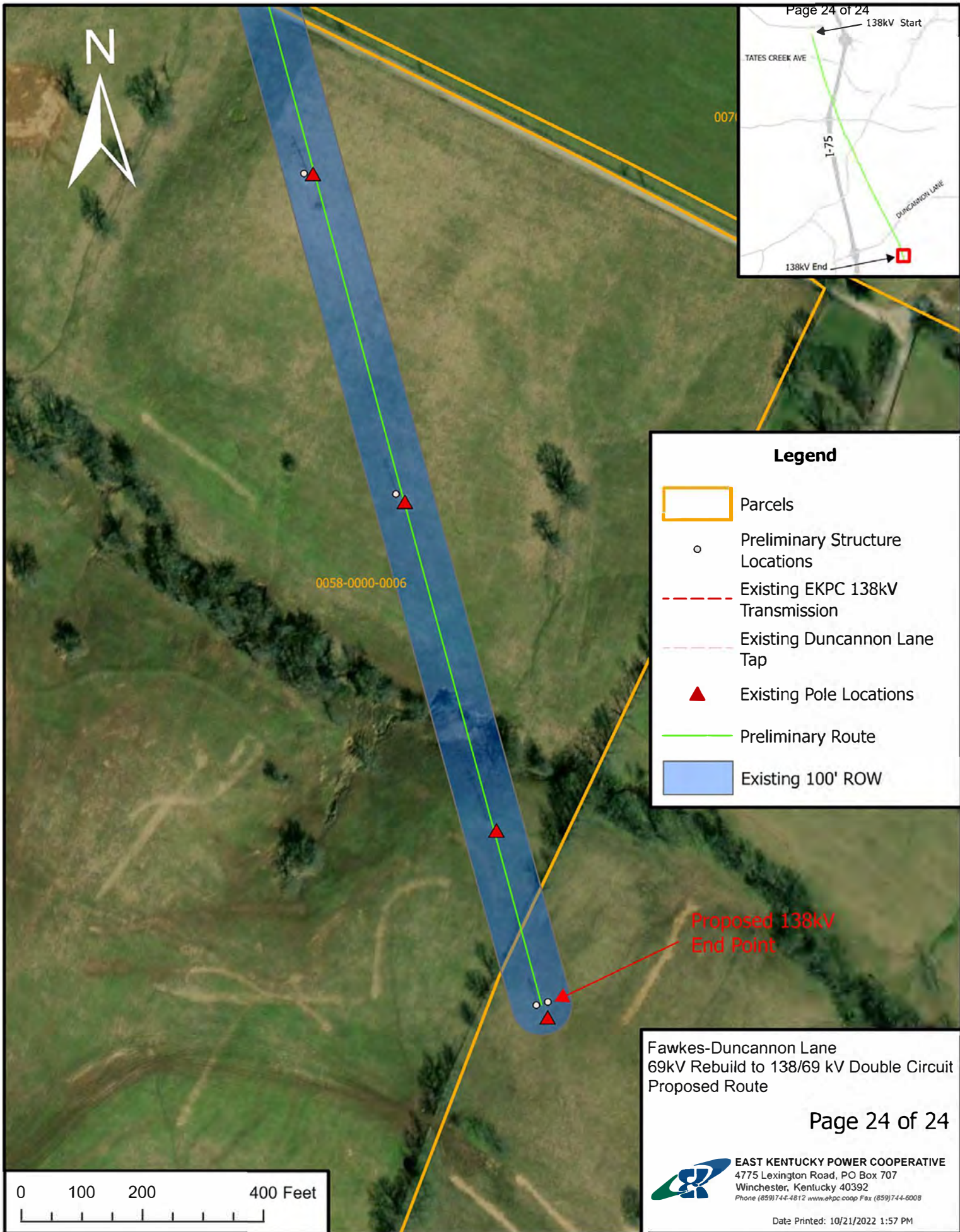
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route
















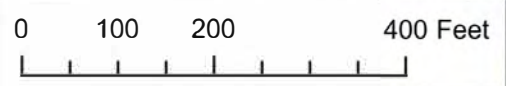


**Legend**

-  Parcels
-  Preliminary Structure Locations
-  Existing EKPC 138kV Transmission
-  Existing Duncannon Lane Tap
-  Existing Pole Locations
-  Preliminary Route
-  Existing 100' ROW

Proposed 138kV  
End Point

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Proposed Route

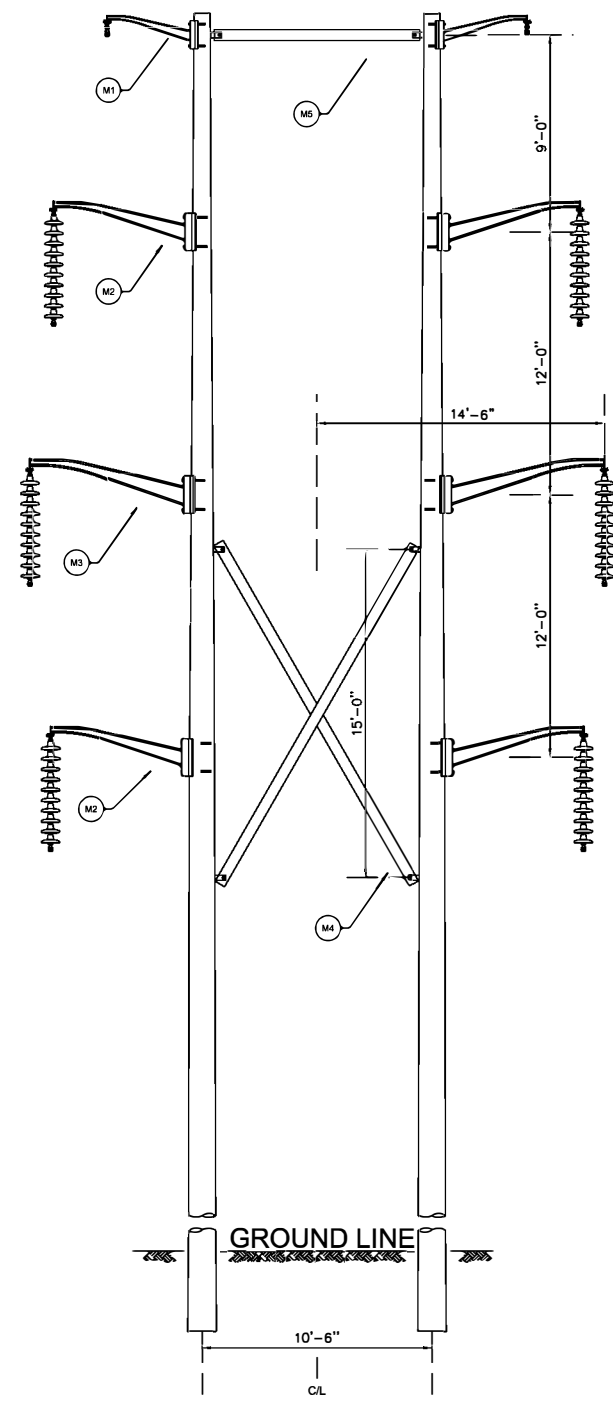


**EXHIBIT 4**  
**TYPICAL STRUCTURE SKETCHES**



NO.	REVISION	DATE	APP

DWG. REF.	QTY	EKPC ITEMID	MANUFACTURER	PART #	DESCRIPTION
M1	2				ARM, STEEL DAVIT ARM, 4'
M2	4				ARM, STEEL DAVIT ARM, 8'
M3	2				ARM, STEEL DAVIT ARM, 9'
M4	2				X-BRACE, STEEL, 15'-5"
M5	1				TIE BRACE, STEEL, 9' - 4"



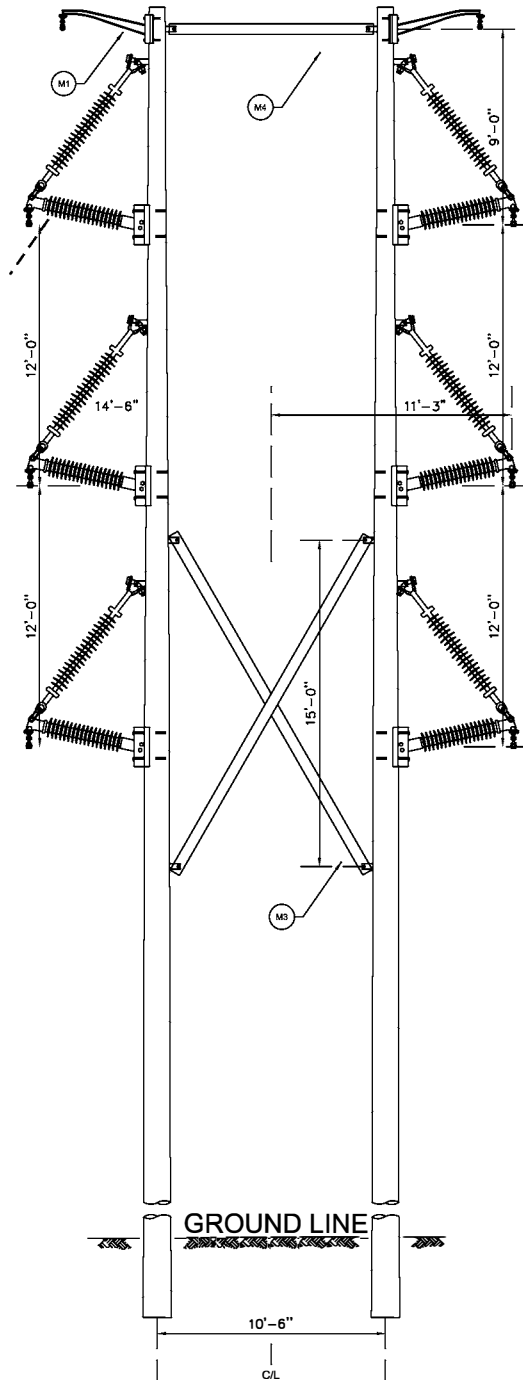
**NOTE:**  
 DAVIT ARMS, BRACES AND CONNECTION HARDWARE TO BE SUPPLIED BY STEEL POLE MANUFACTURER.  
 POLE HEIGHTS VARY BASED ON DESIGN NEED  
 ALL FOUNDATIONS ARE EMBEDDED AT 10% OF THE POLE HEIGHT PLUS 4' (10%+4')  
 STEEL POLE DIAMETER CHANGES AT GROUND LINE BASED ON POLE HEIGHT

APPROVALS		DATE	EAST KENTUCKY POWER WINCHESTER, KENTUCKY 40392
DRAWN L. SPENCER		10/18/22	
DESIGNED L. SPENCER		10/18/22	STEEL TANGENT 2-POLE W/ STEEL DAVIT ARMS 138KV DOUBLE CIRCUIT
CHECKED R. TERRILL		10/21/22	
APPROVED R. YOUNG		10/21/22	
KY PSC CPN CASE NO: 2022-00314		SCALE: NONE	DWG. NO.
TYPICAL STRUCTURE SKETCH		SHEET 1 OF 1	A THD-2S
			REV 0

NO.	REVISION	DATE	APP

## LIST OF MATERIALS

DWG. REF.	QTY	EKPC ITEM ID	MANUFACTURER	PART #	DESCRIPTION
M1	2				ARM, STEEL DAVIT ARM, 4'
M2	6		HUBBELL		BRACED POST INSULATORS
M3	2				X-BRACE, STEEL, 15'-5"
M4	1				TIE BRACE, STEEL, 9' - 4"



**NOTE:**

DAVIT ARMS, BRACES AND CONNECTION HARDWARE TO BE SUPPLIED BY STEEL POLE MANUFACTURER.

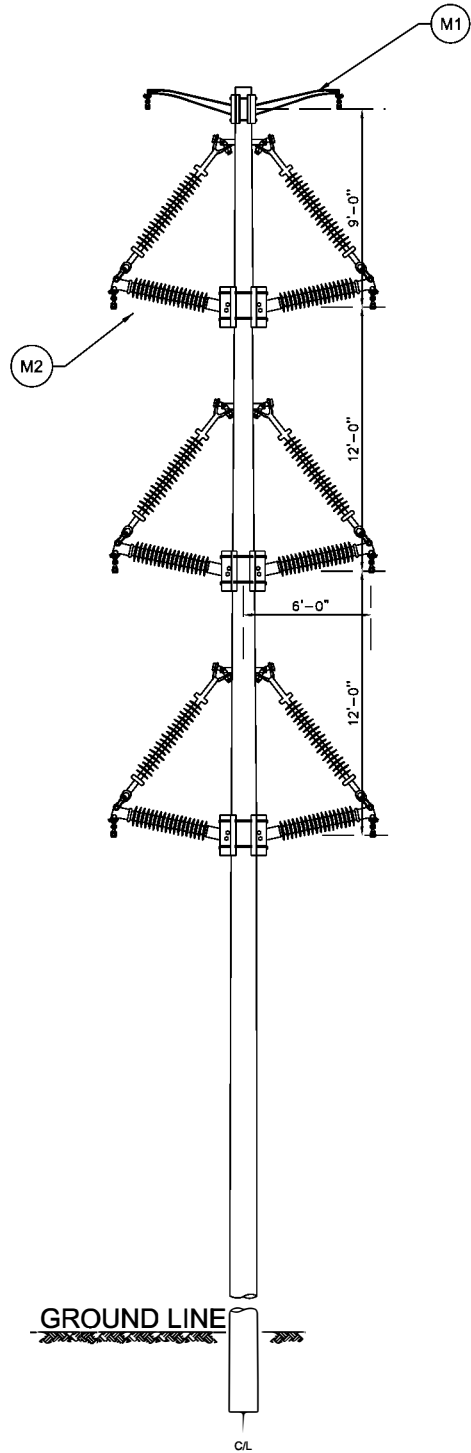
POLE HEIGHTS VARY BASED ON DESIGN NEED

ALL FOUNDATIONS ARE EMBEDDED AT 10% OF THE POLE HEIGHT PLUS 4' (10%+4')

STEEL POLE DIAMETER CHANGES AT GROUND LINE BASED ON POLE HEIGHT

APPROVALS	DATE	EAST KENTUCKY POWER	
DRAWN L. SPENCER	10/19/22	WINCHESTER, KENTUCKY 40392	
DESIGNED L. SPENCER	10/19/22	STEEL TANGENT 2-POLE W/ BRACED POST INSULATORS	
CHECKED R. TERRILL	10/21/22	138KV DOUBLE CIRCUIT	
APPROVED R. YOUNG	10/21/22		
KY PSC CPCN CASE NO. 2022-0 03 14 TYPICAL STRUCTURE SKETCH	SCBL: NON HESBEE 1 OF 1	DWG. NO. THD-2S-BP	REV 0

NO.	REVISION	DATE	APP



Application Exhibit 4  
Case No. 2022-00314

## LIST OF MATERIALS

DWG. REF.	QTY	EKPC ITEMID	MANUFACTURER	PART #	DESCRIPTION
M1	2				ARM, STEEL DAVIT ARM, 4'
M2	6		HUBBELL		BRACED POST INSULATORS

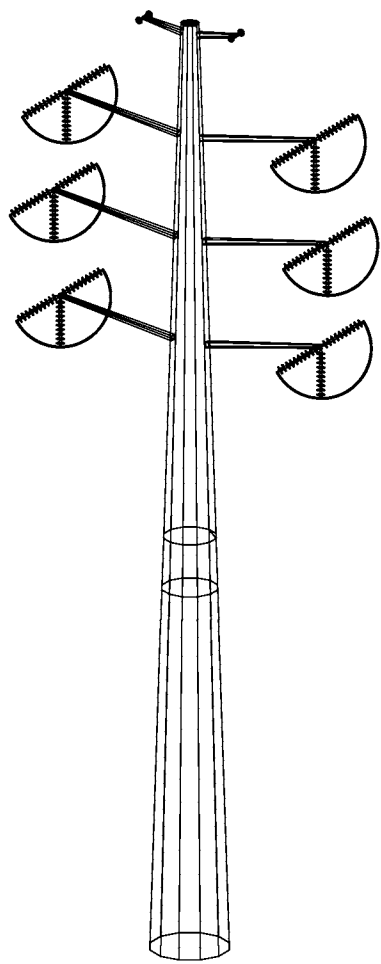
**NOTE:**  
 DAVIT ARMS, BRACES AND CONNECTION HARDWARE TO BE SUPPLIED BY STEEL POLE MANUFACTURER.  
 POLE HEIGHTS VARY BASED ON DESIGN NEED  
 ALL FOUNDATIONS ARE EMBEDDED AT 10% OF THE POLE HEIGHT PLUS 4' (10%+4')  
 STEEL POLE DIAMETER CHANGES AT GROUND LINE BASED ON POLE HEIGHT

APPROVALS	DATE	EAST KENTUCKY POWER WINCHESTER, KENTUCKY 40392		
DRAWN L. SPENCER	10/19/22			
DESIGNED L. SPENCER	10/19/22			
CHECKED R. TERRILL	10/21/22			
APPROVED R. YOUNG	10/21/22			
KY RSC PCPN CASE N O. 202203 14 TY RCA LSTRU CLR E SKEDH		SCALE: NON E SHEET 1 OF 1	DWG. NO. <b>A</b> TUD-2S-BP	REV 0

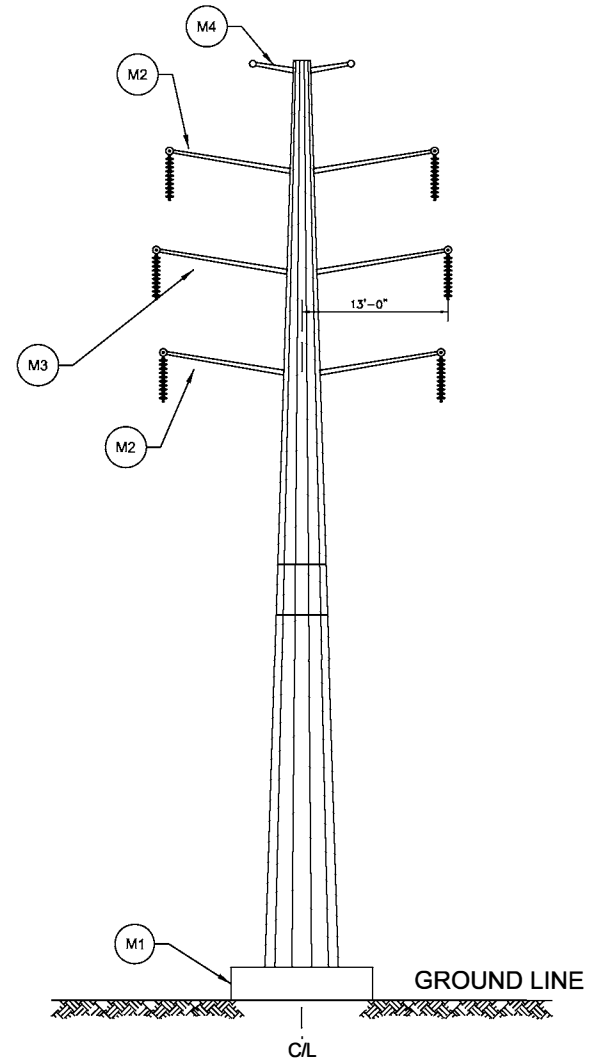
# LIST OF MATERIALS

DWG. REF.	QTY	EKPC ITEM ID	MANUFACTURER	PART #	DESCRIPTION
M1	2				ENGINEERED FOUNDATION
M2	4				ENGINEERED 12' ARM
M3	2				ENGINEERED 13' ARM
M4	2				ENGINEERED 4' ARM

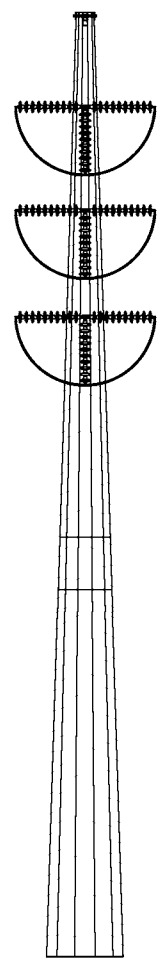
ISOMETRIC



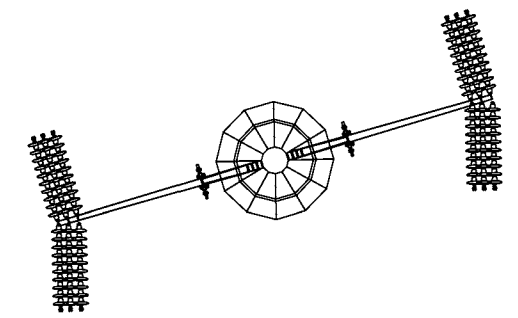
FRONT



SIDE



PLAN/AERIAL



**NOTE:**

DAVIT ARMS, BRACES AND CONNECTION HARDWARE TO BE ENGINEERED & SUPPLIED BY STEEL POLE MANUFACTURER.

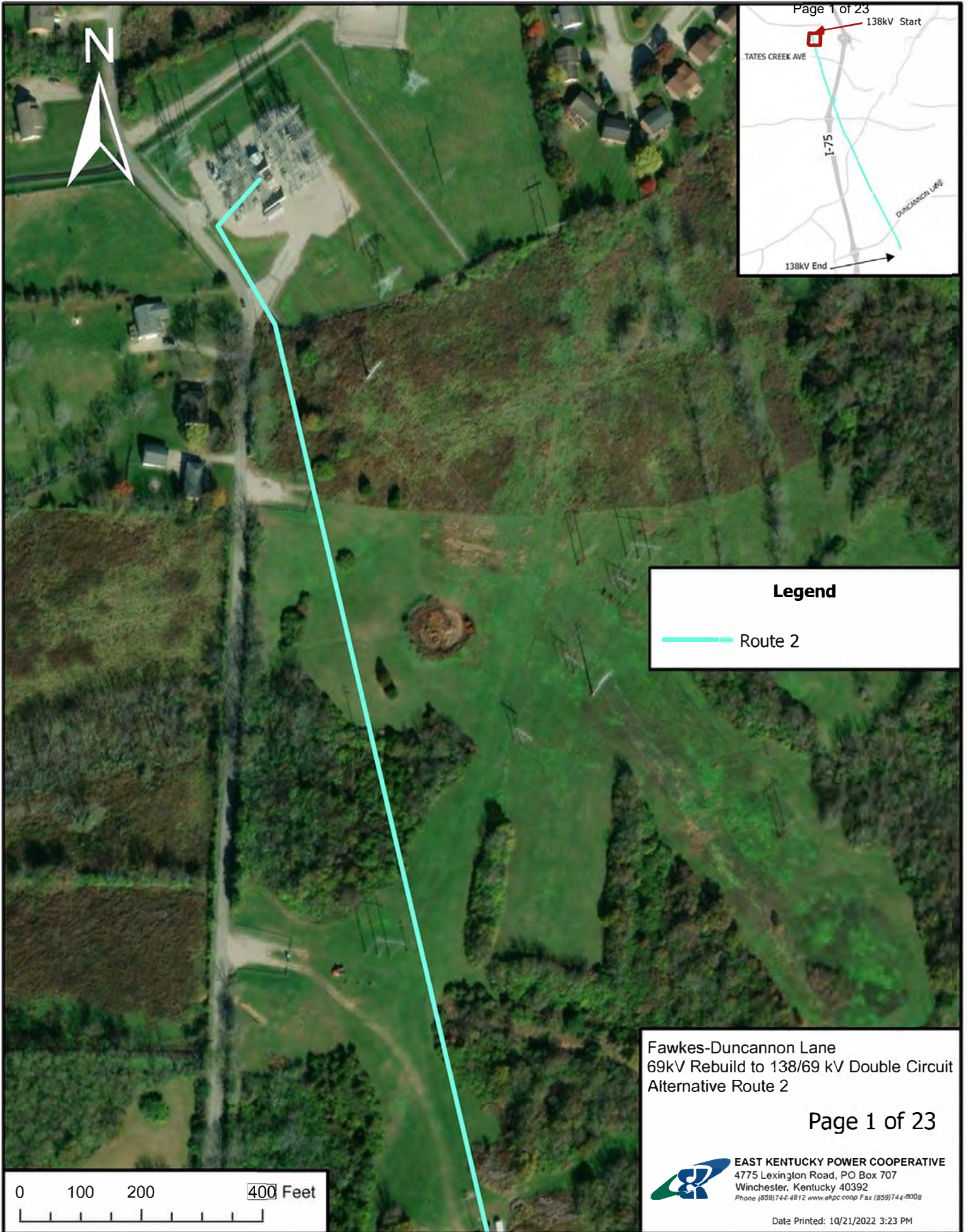
POLE HEIGHTS VARY BASED ON DESIGN NEED

FOUNDATION SPECS WILL VARY BASED ON SITE SPECIFIC STRUCTURAL LOADING DATA AT EACH LOCATION

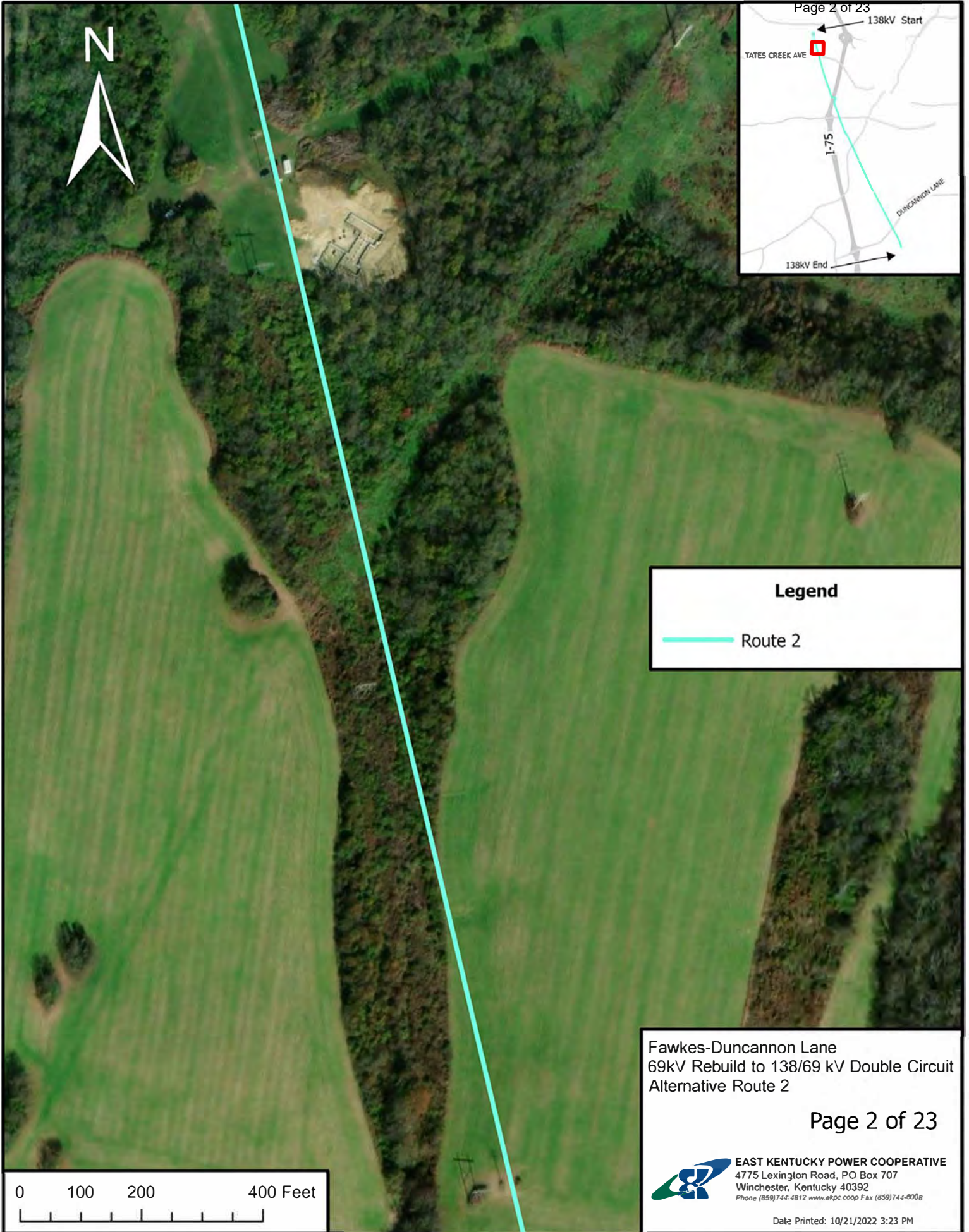
DIMENSIONS OF THE STEEL POLE WILL VARY BASED SITE SPECIFIC STRUCTURAL LOADING

APPROVALS	DATE	EAST KENTUCKY POWER WINCHESTER, KENTUCKY 40392		
DRAWN L. SPENCER	10/18/22	DEADEND SELF-SUPPORTING STRUCTURE W/ DAVIT ARMS 138KV DOUBLE CIRCUIT		
DESIGNED L. SPENCER	10/18/22			
CHECKED R. TERRILL	10/21/22			
APPROVED R. YOUNG	10/21/22			
KY PSC CPCN CASE NO: 2022-00314				SCALE: NONE
TYPICAL STRUCTURE SKETCH		SHEET 1 OF 1	A TYP-SSP	REV 0

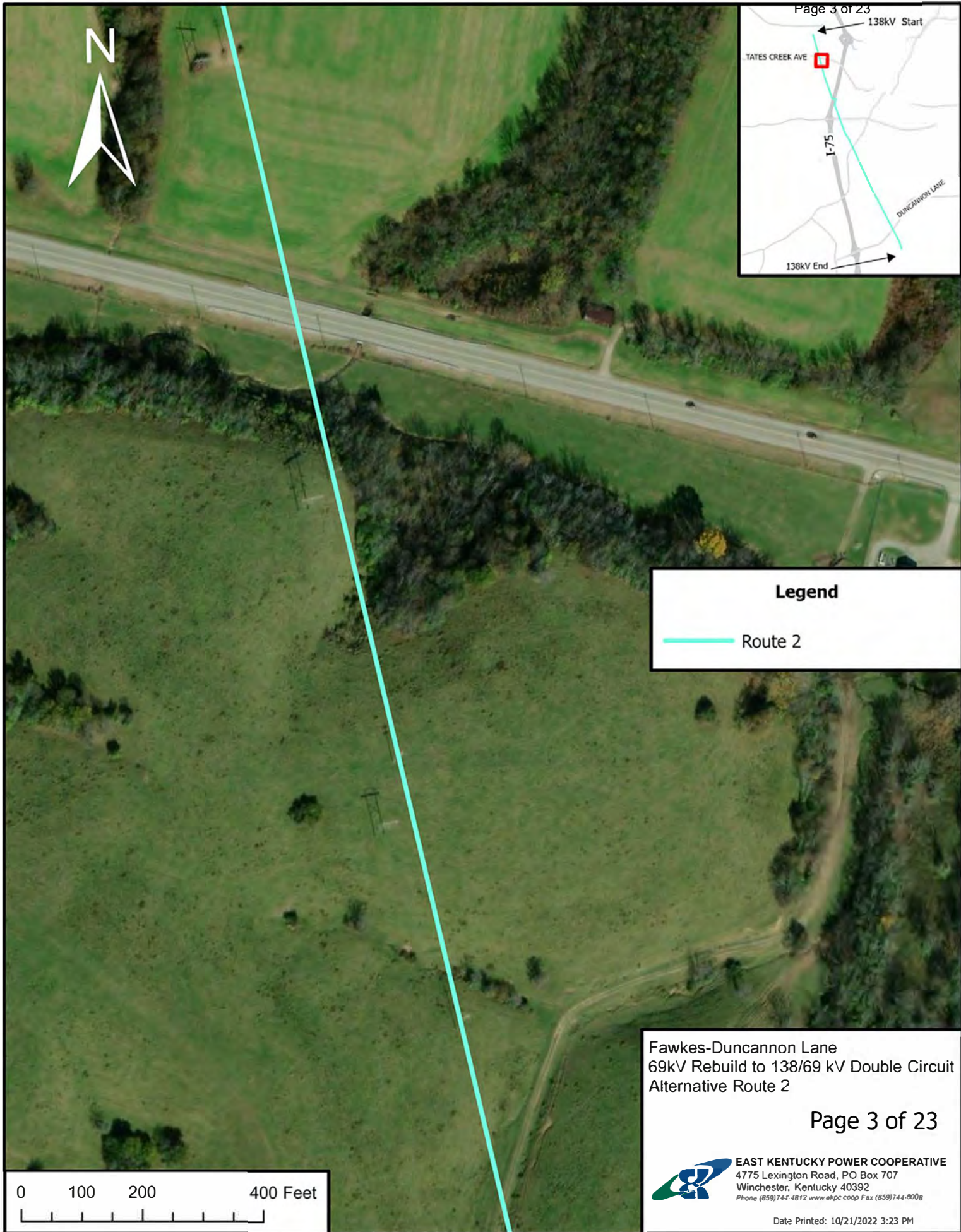
**EXHIBIT 5**  
**ALTERNATE ROUTE MAP**











**Legend**

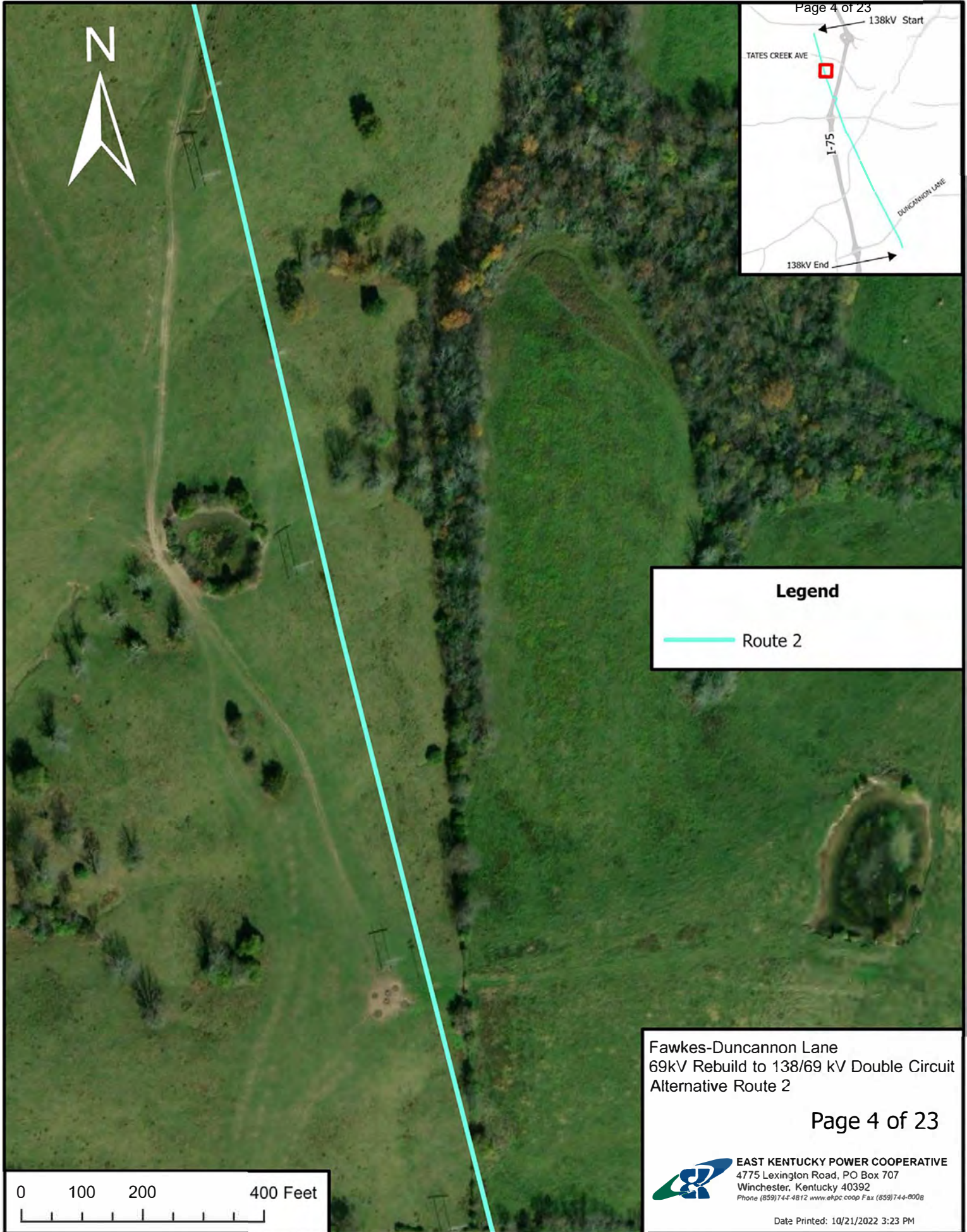
— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008





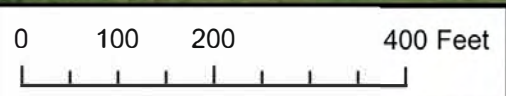


**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

Page 4 of 23



 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
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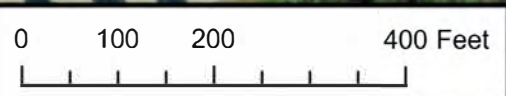




**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2







**Legend**

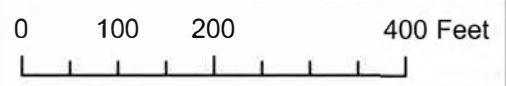
— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

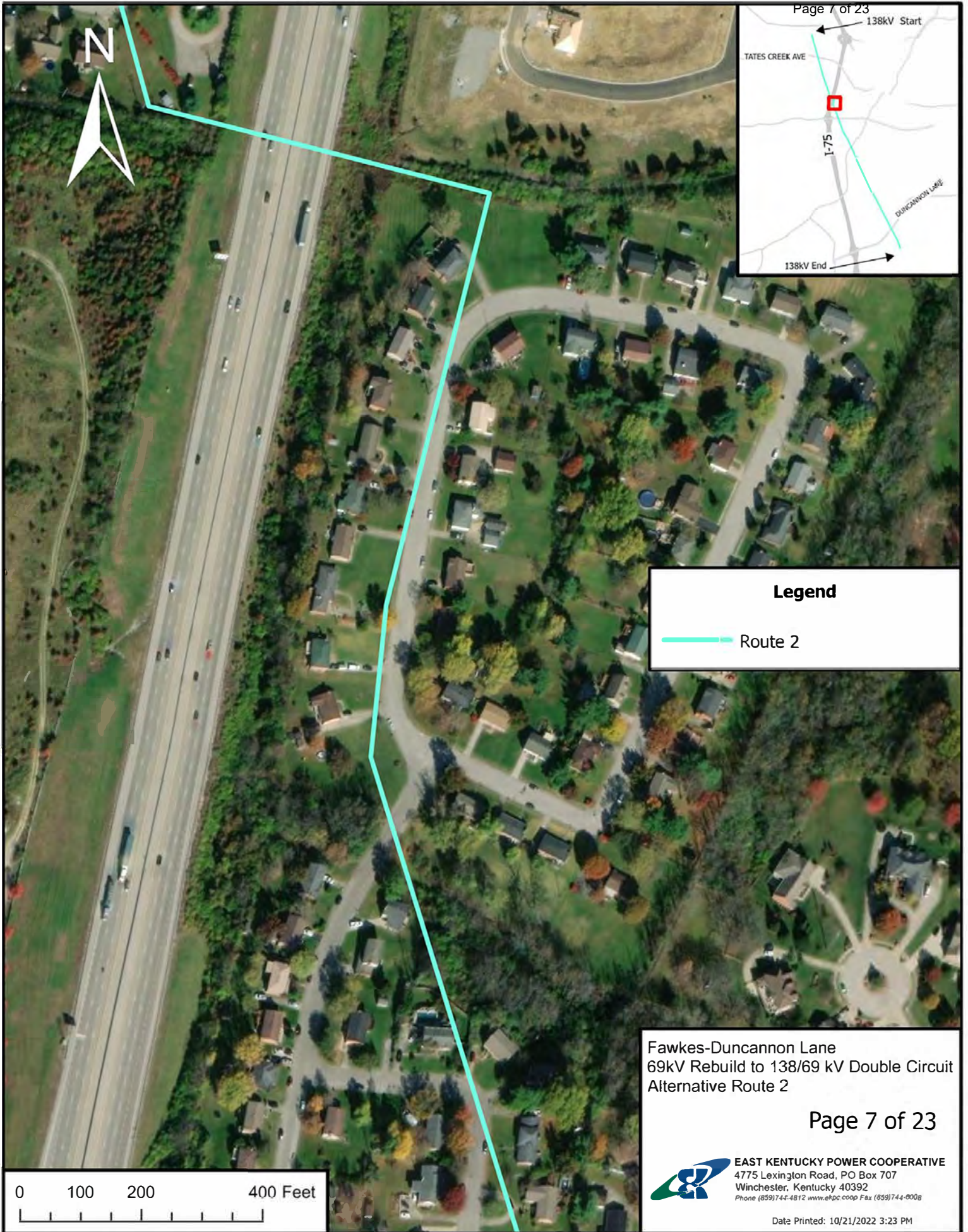
Page 6 of 23

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008

Date Printed: 10/21/2022 3:23 PM







**Legend**

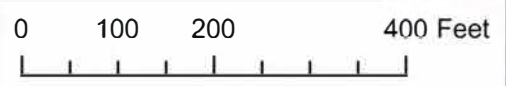
— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

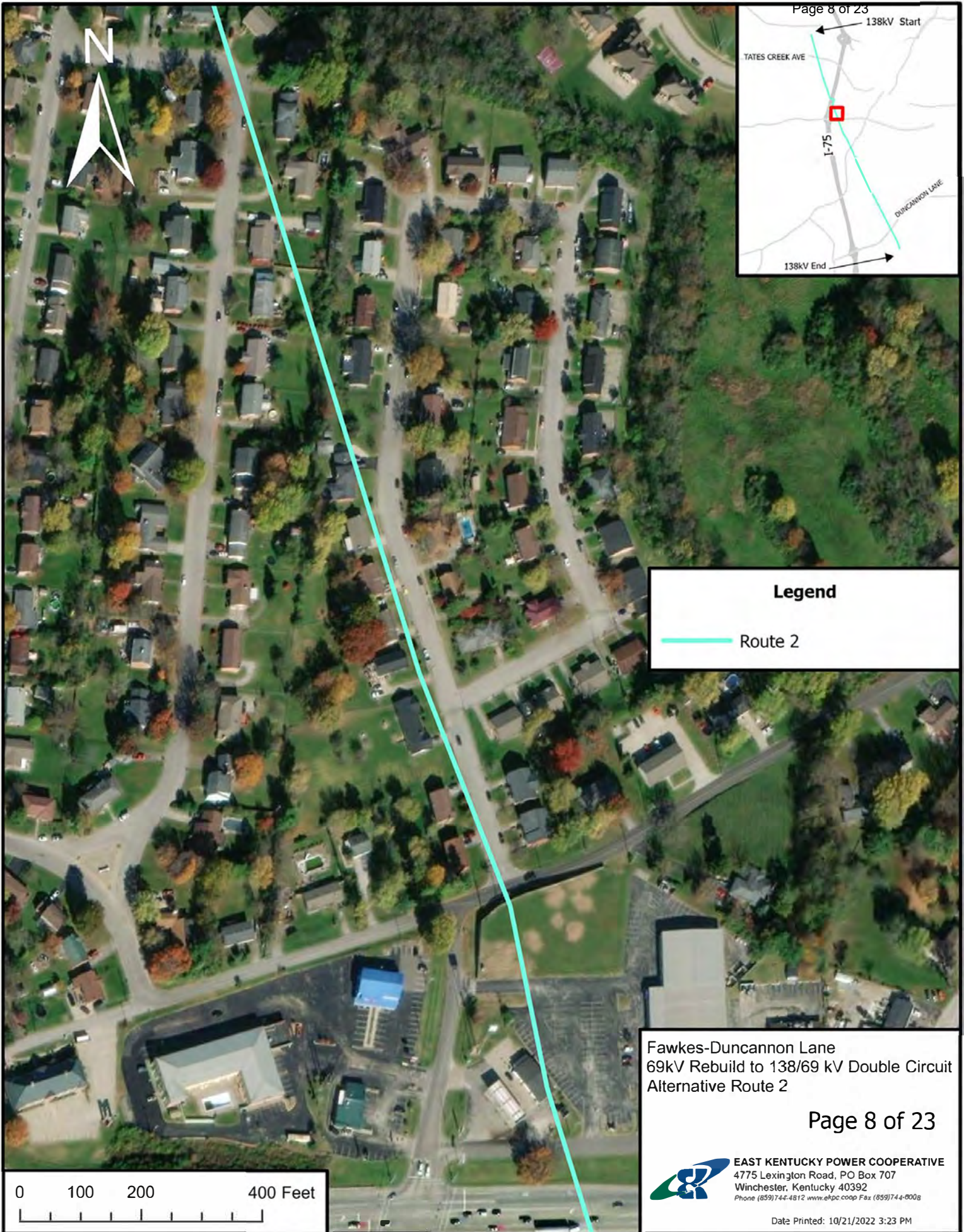
Page 7 of 23

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
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Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008

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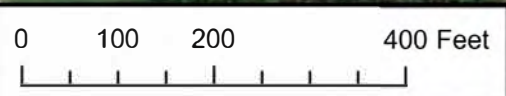


**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

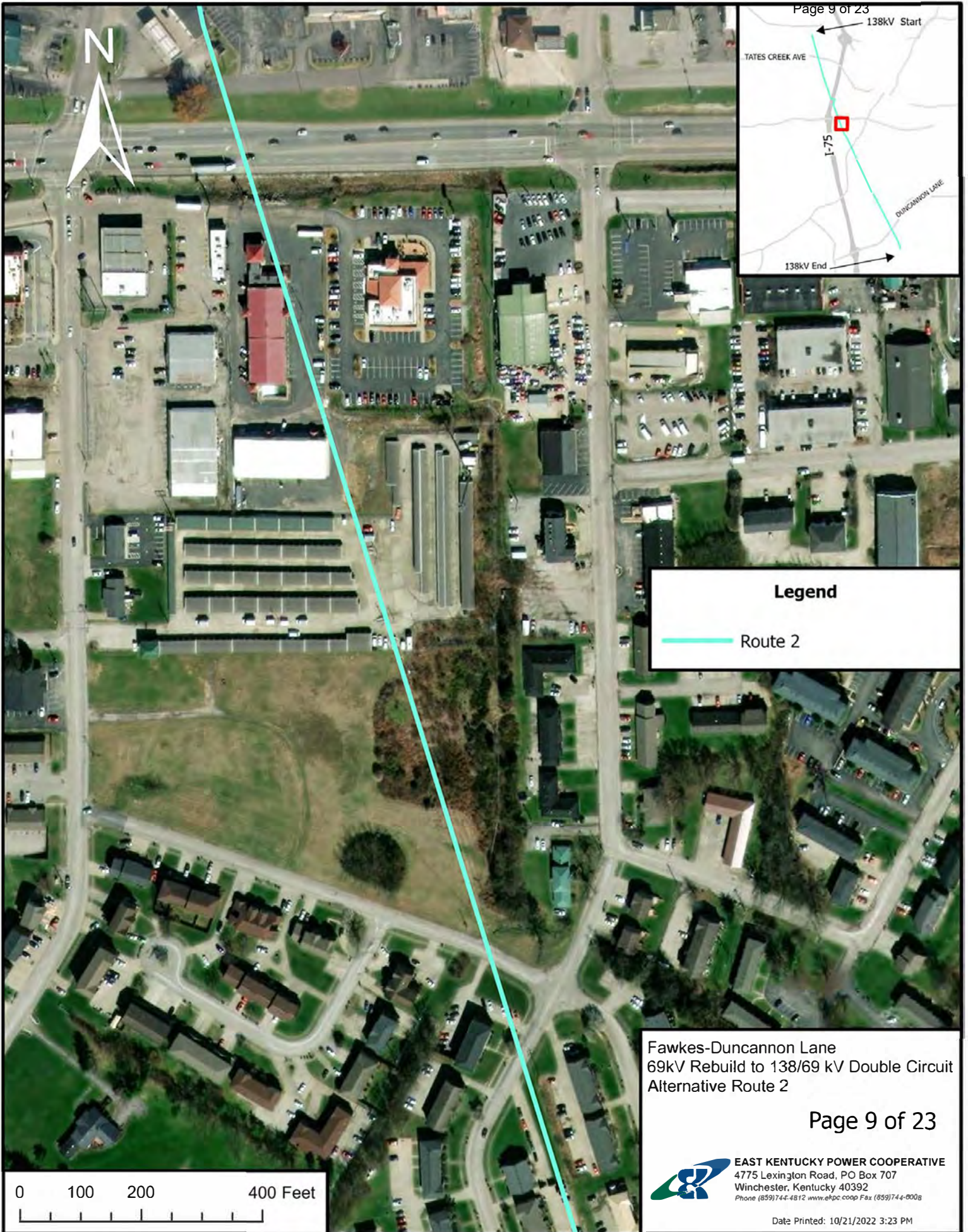
Page 8 of 23



 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-0008

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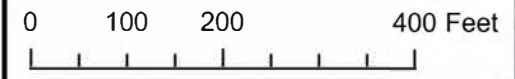




**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2







**Legend**

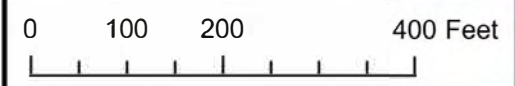
— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

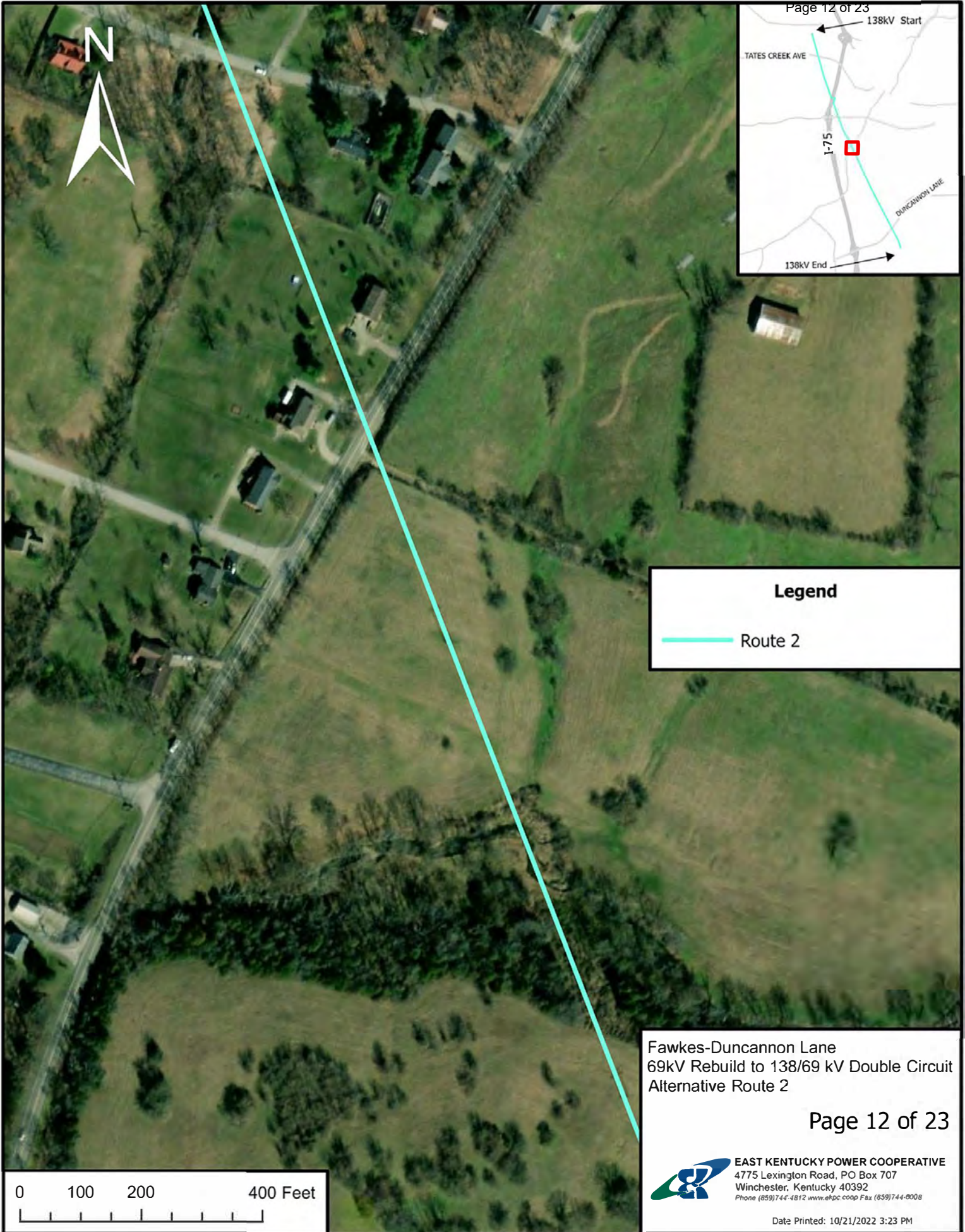
Page 11 of 23

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-800g

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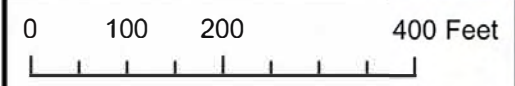


**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
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**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

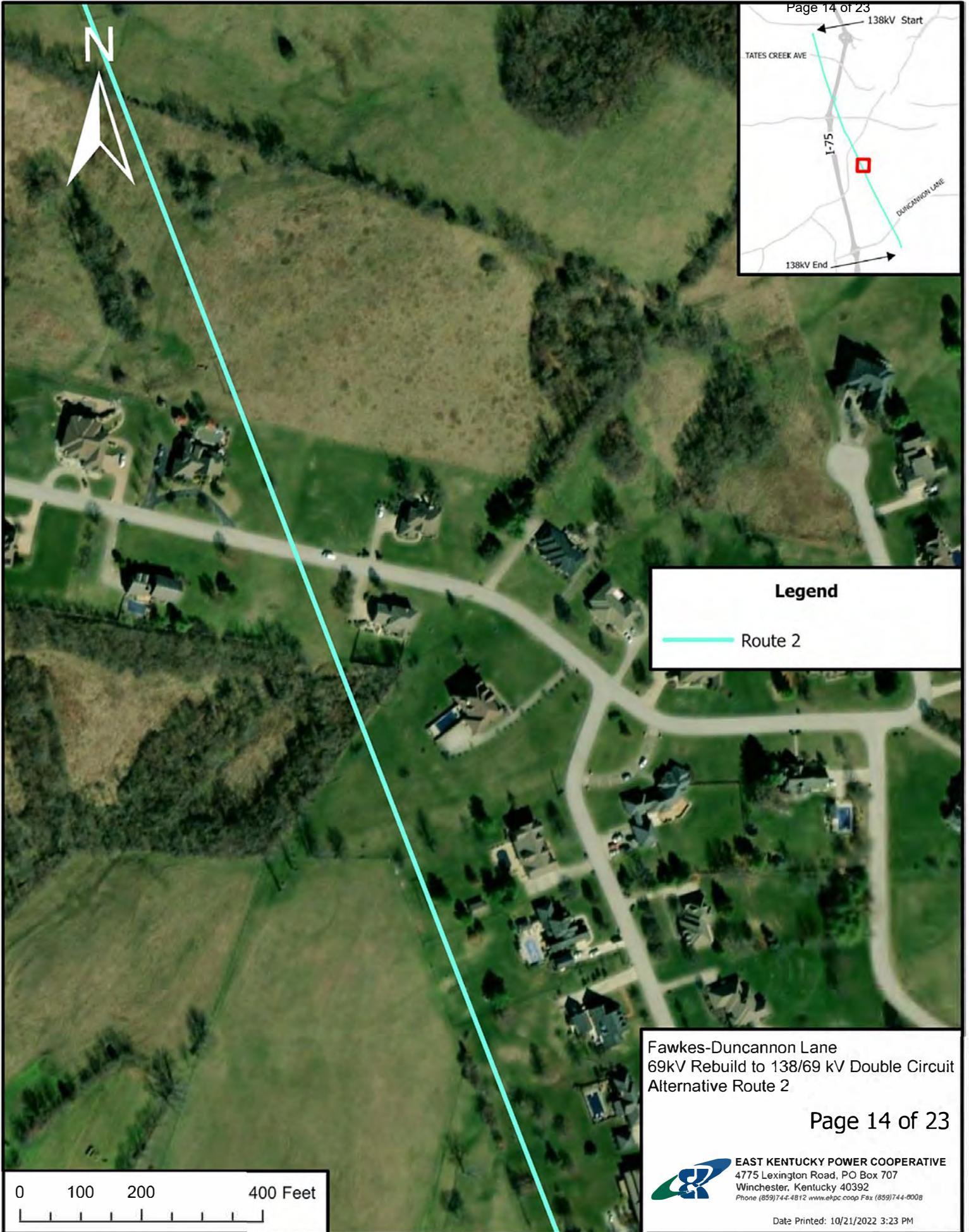
Page 13 of 23

 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008

Date Printed: 10/21/2022 3:23 PM







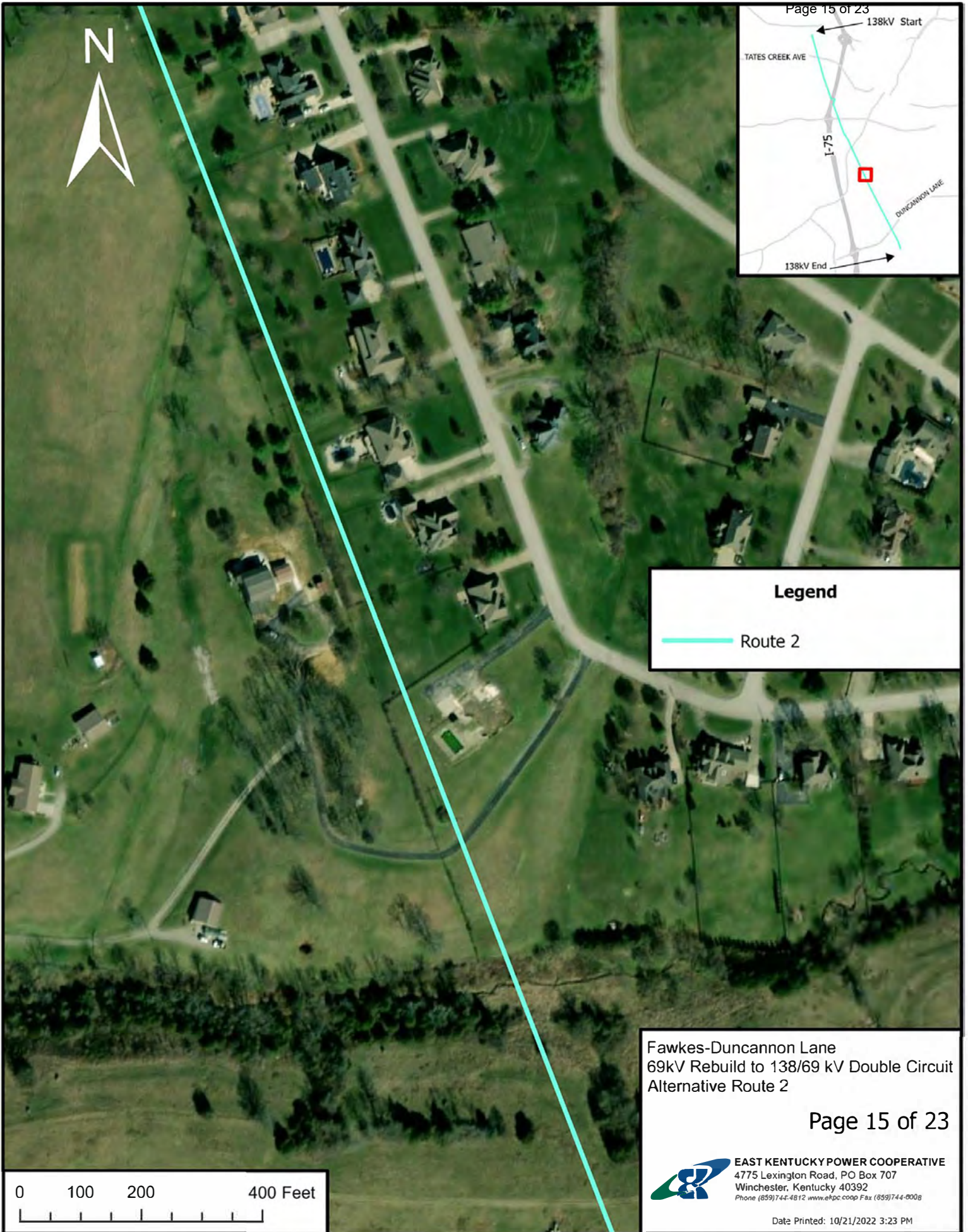
**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2



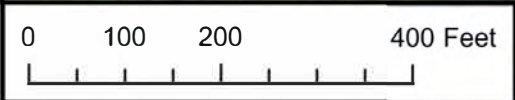




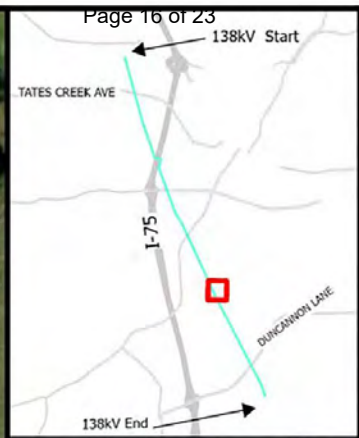
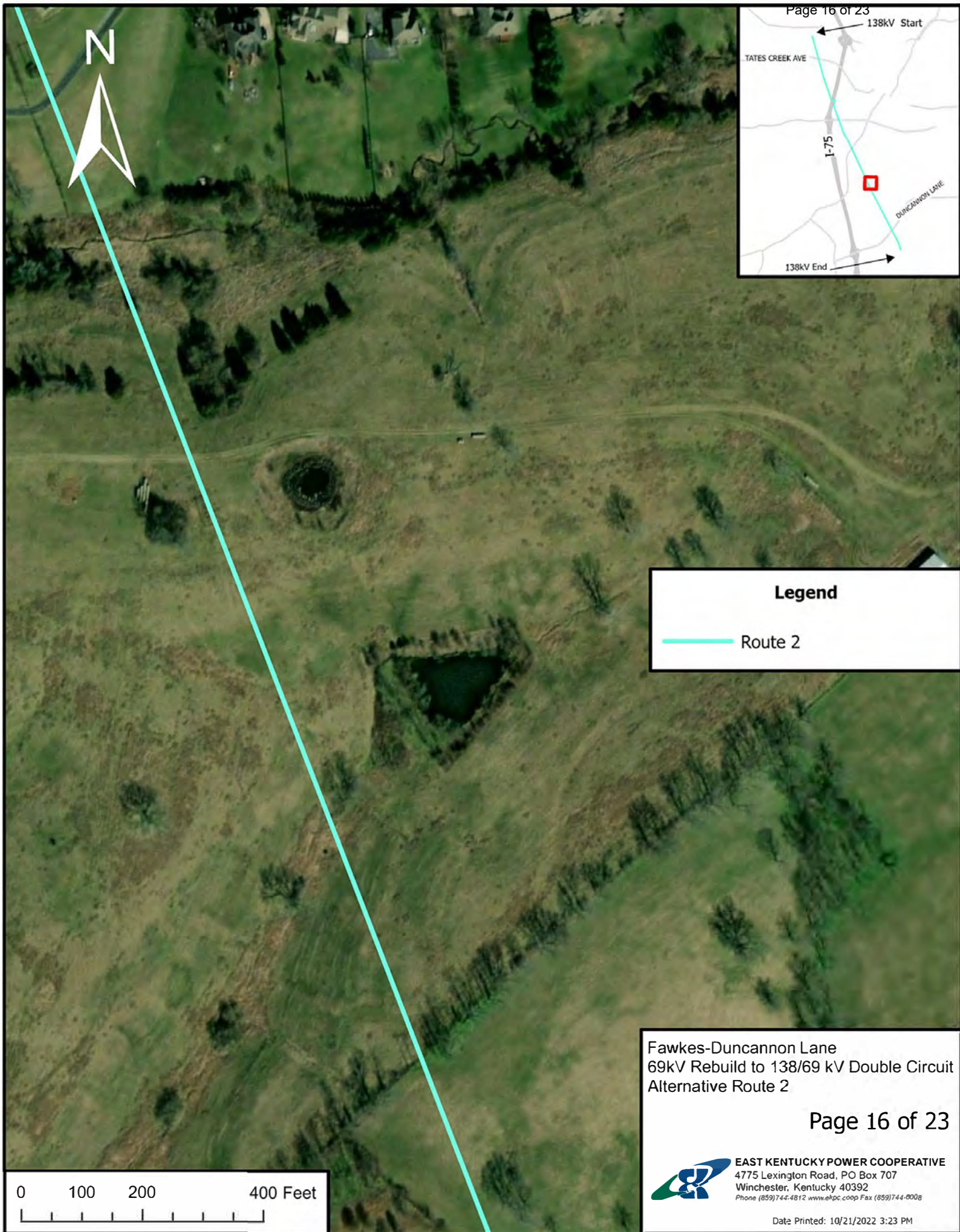
**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2



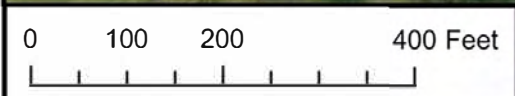




**Legend**

— Route 2

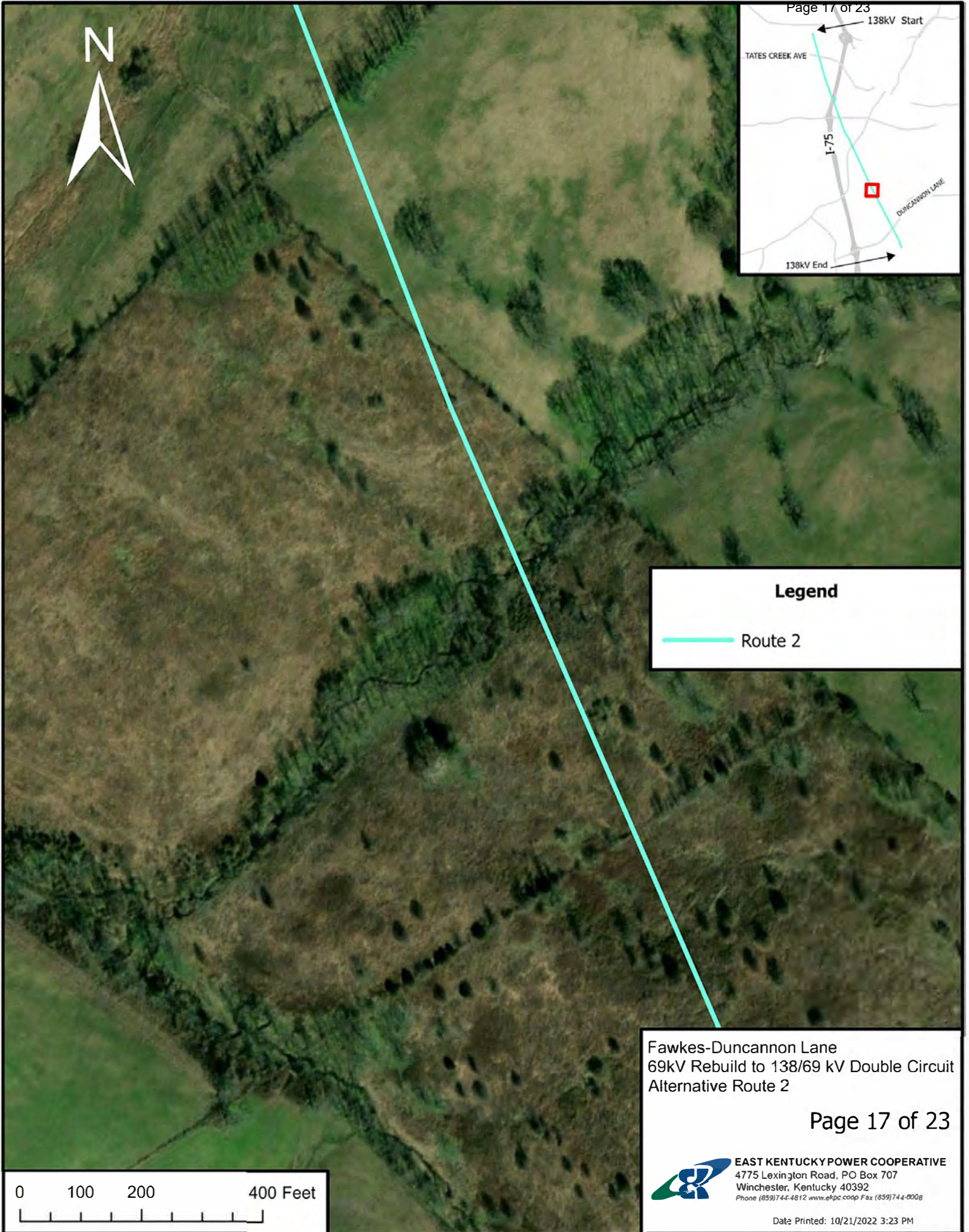
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2



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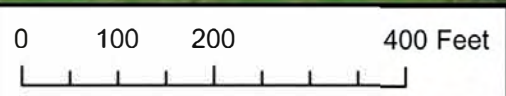




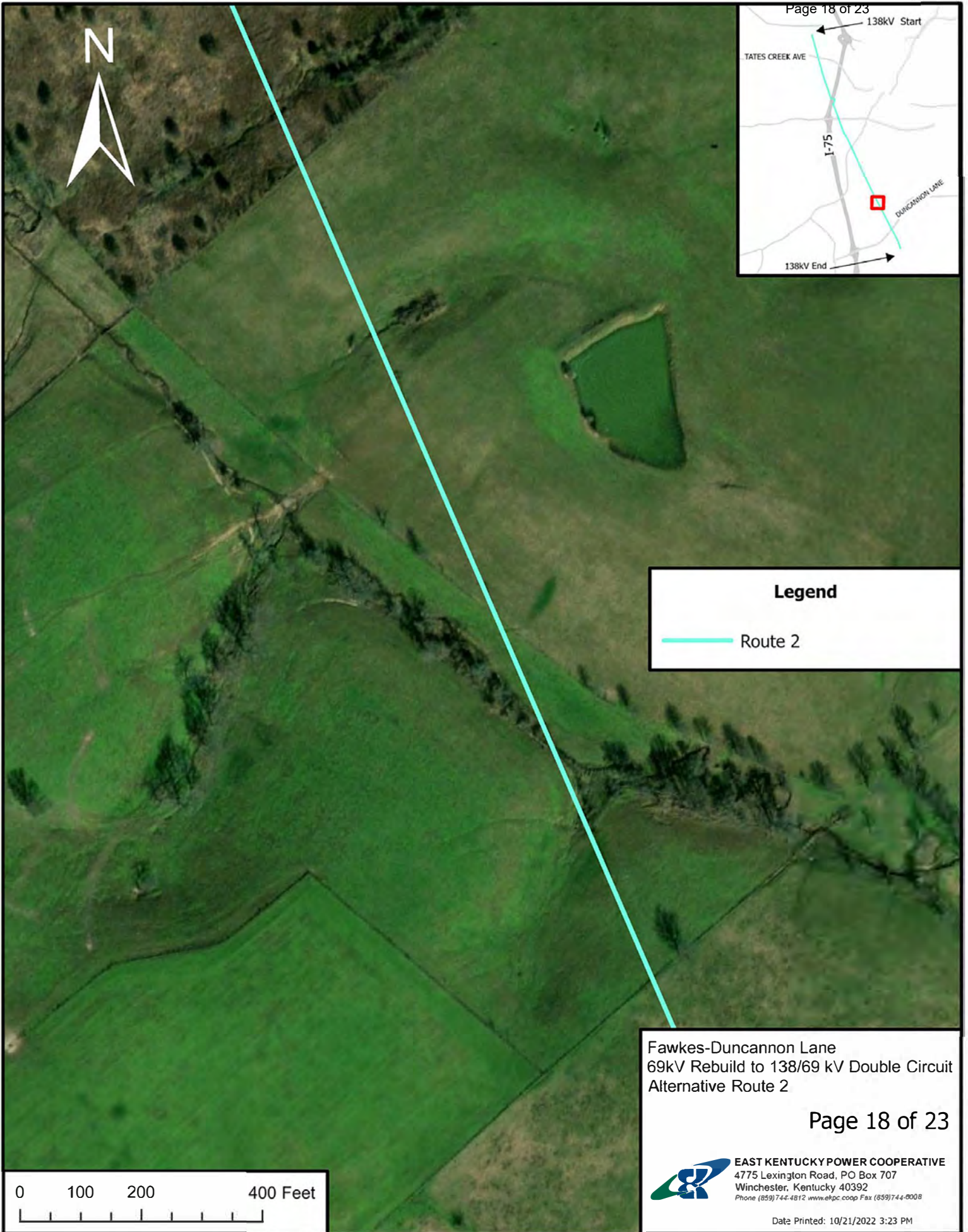
**Legend**

— Route 2

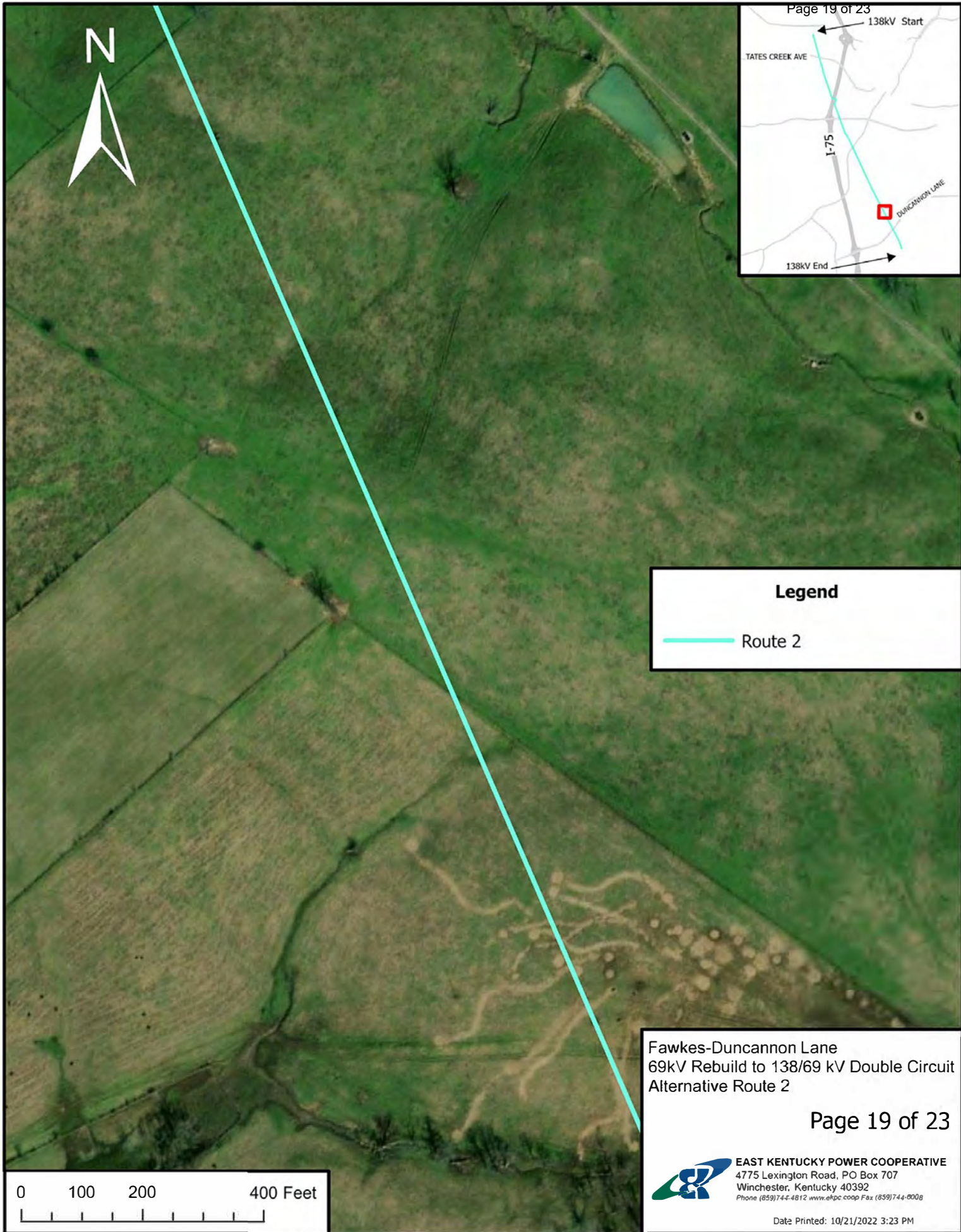
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2



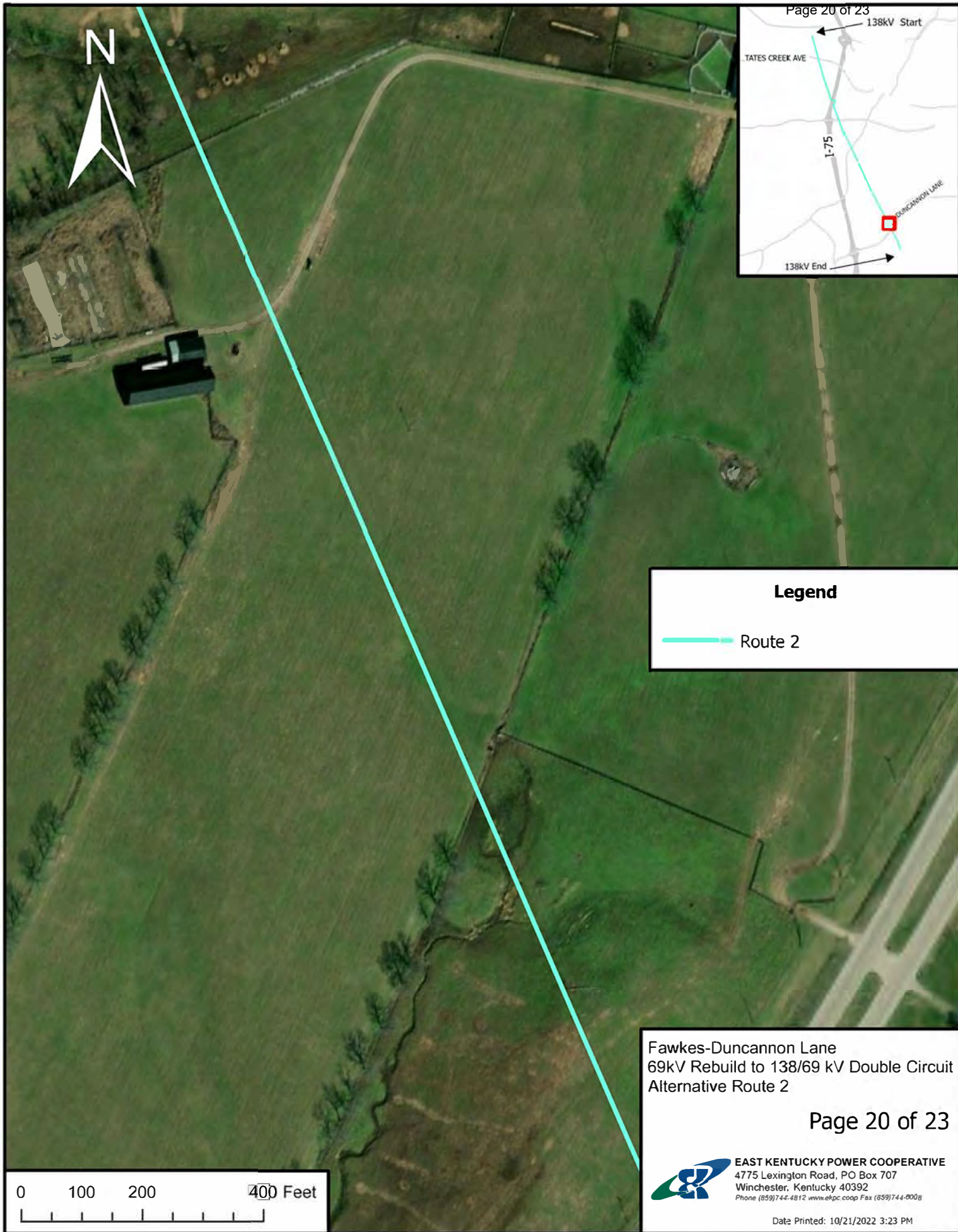




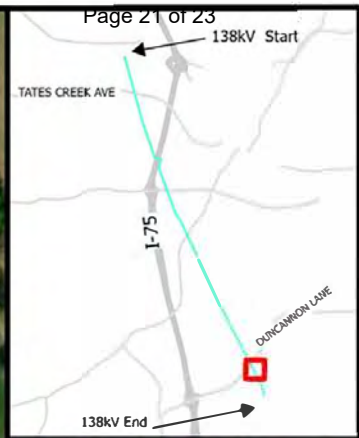
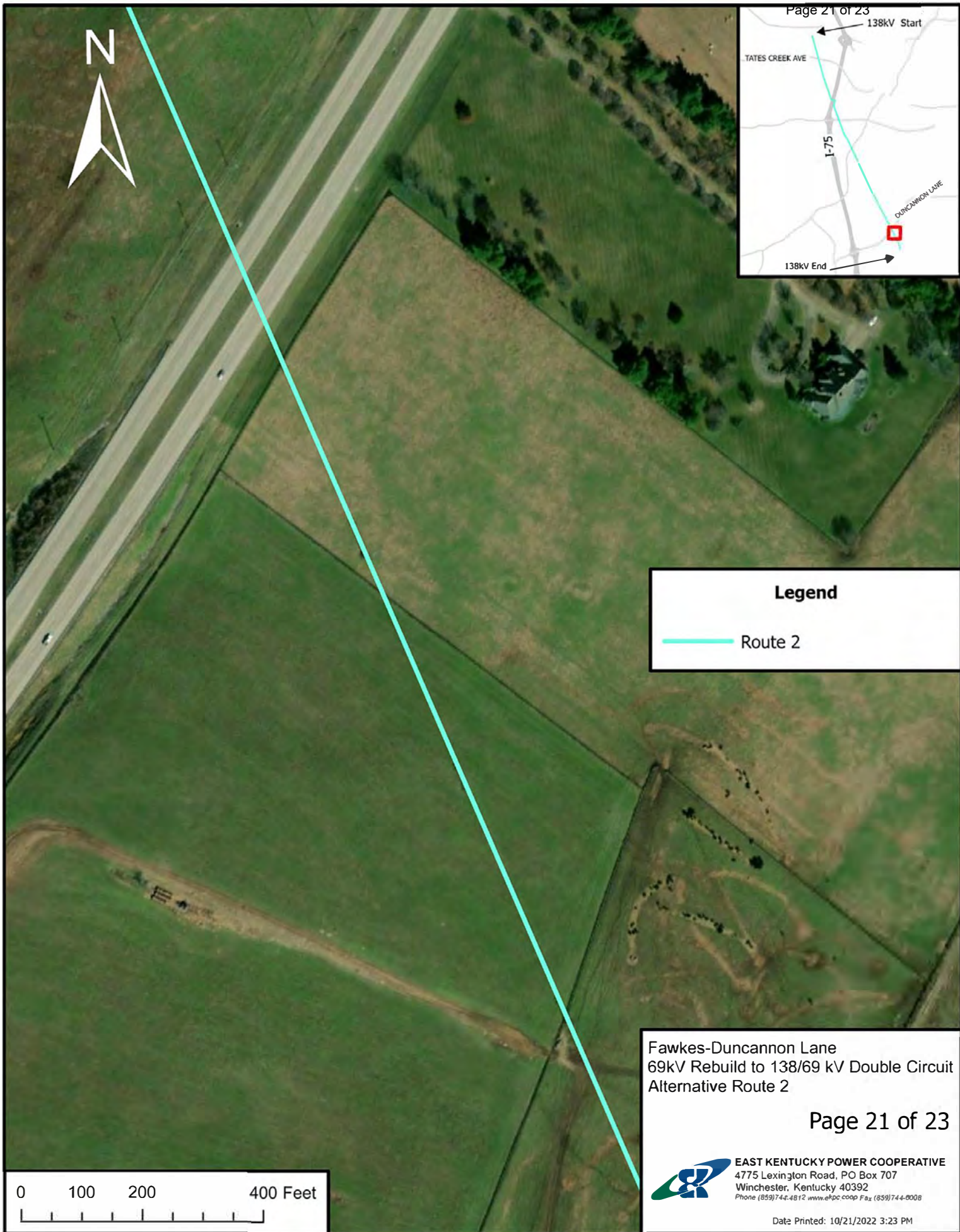










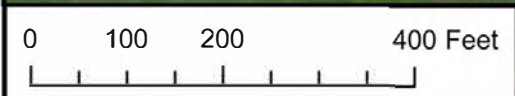


**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

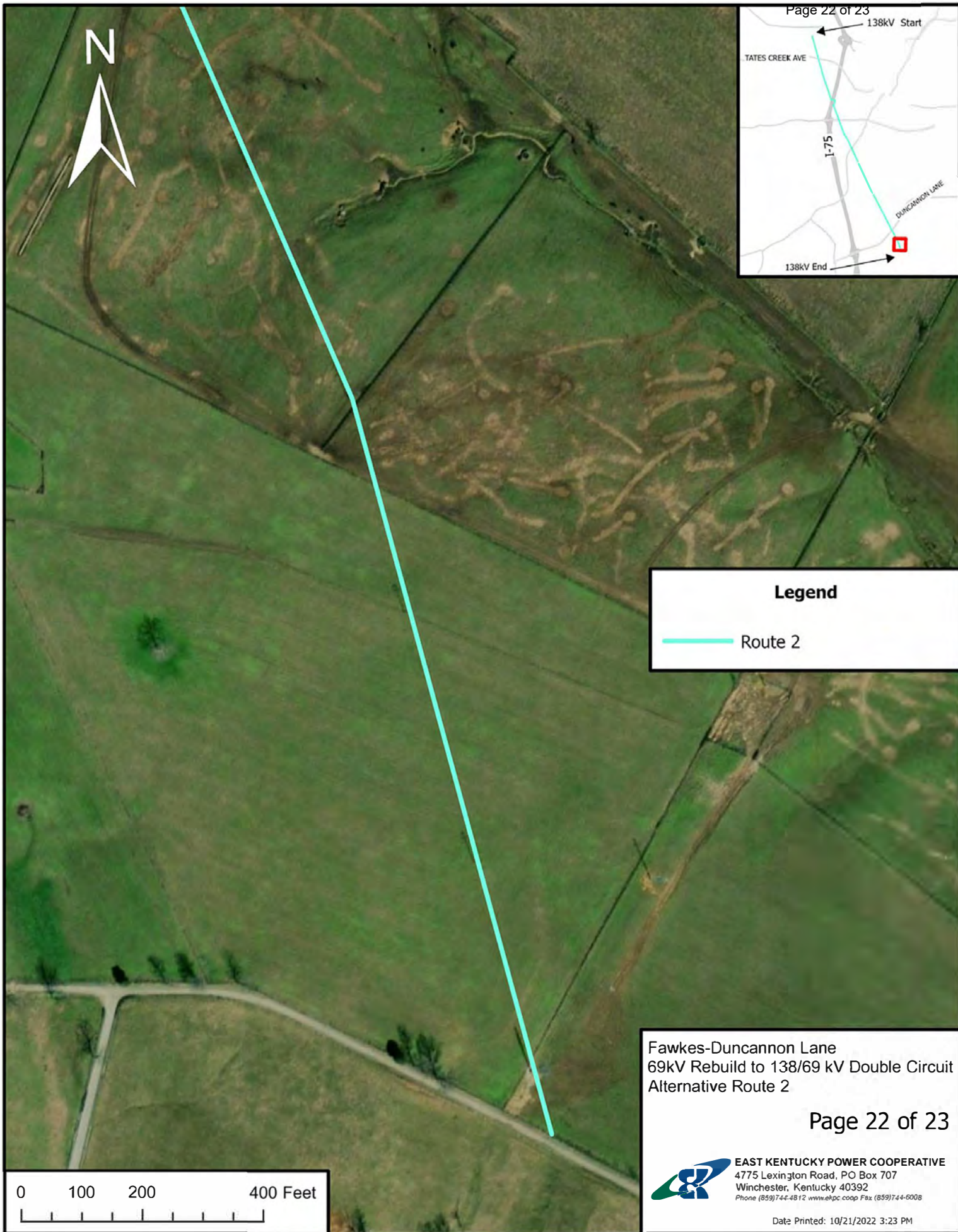
Page 21 of 23



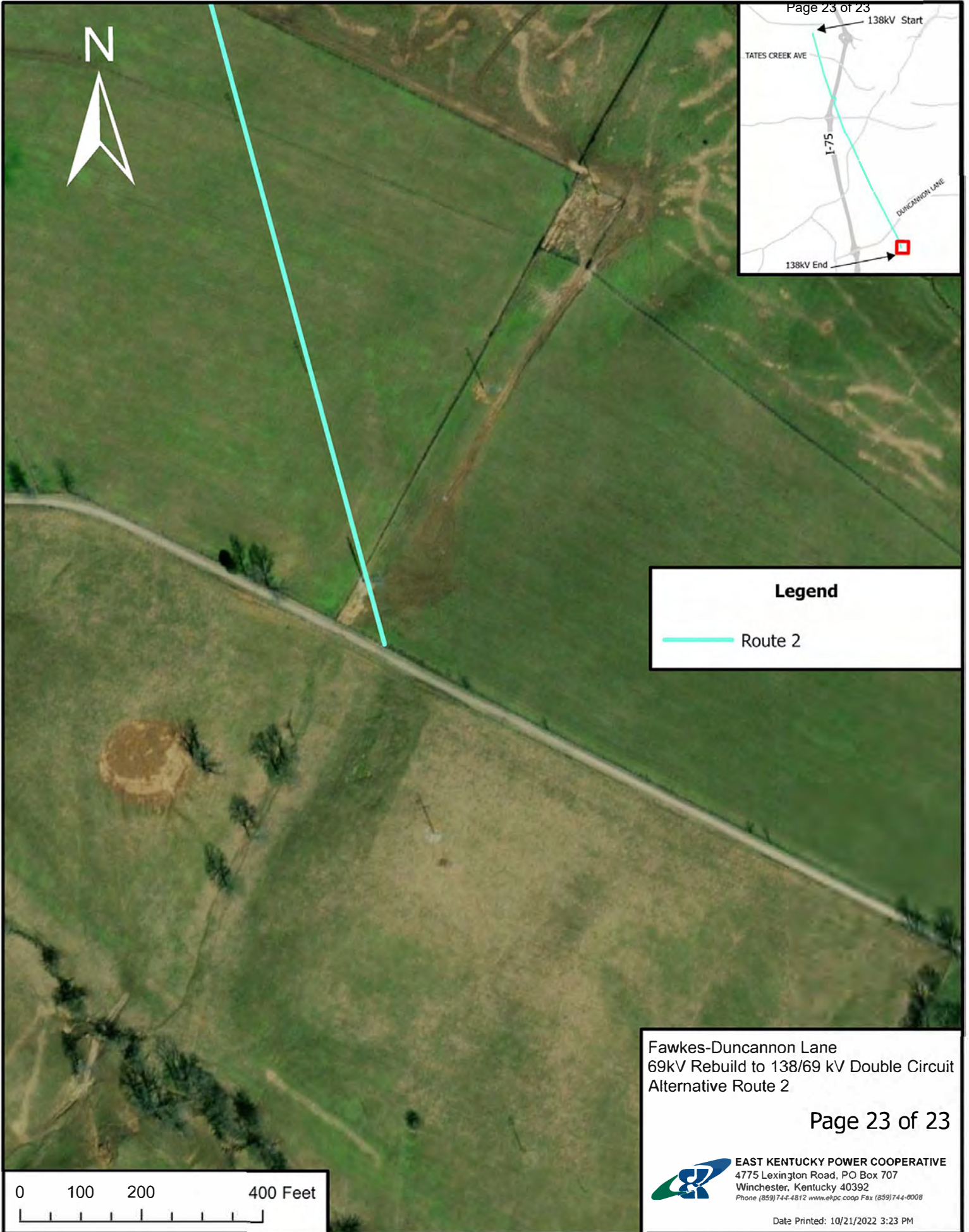
**EAST KENTUCKY POWER COOPERATIVE**  
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Winchester, Kentucky 40392  
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**Legend**

— Route 2

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 2

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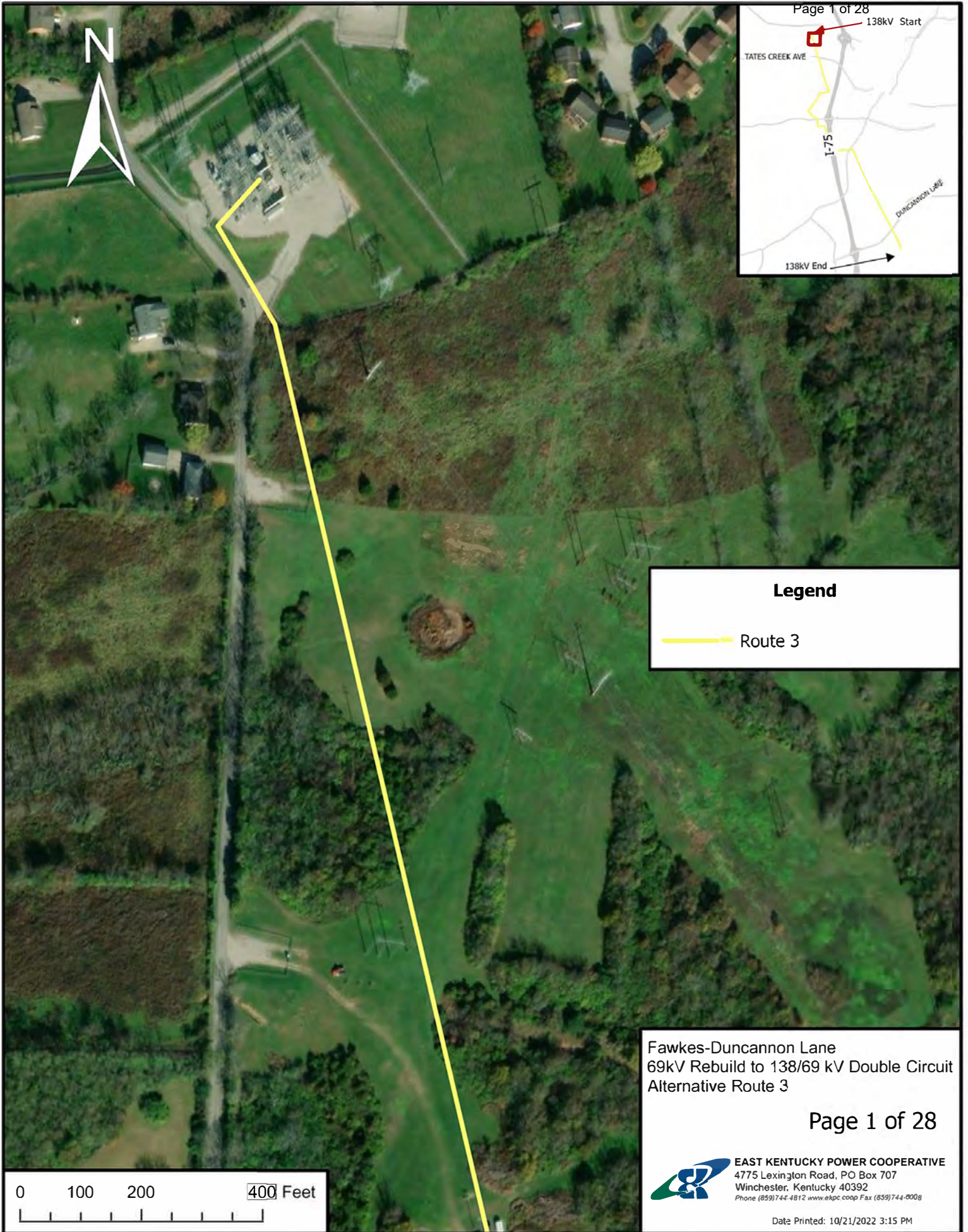
**EAST KENTUCKY POWER COOPERATIVE**  
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Winchester, Kentucky 40392  
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0 100 200 400 Feet

**EXHIBIT 6**  
**ALTERNATE ROUTE MAP**





**Legend**  
Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

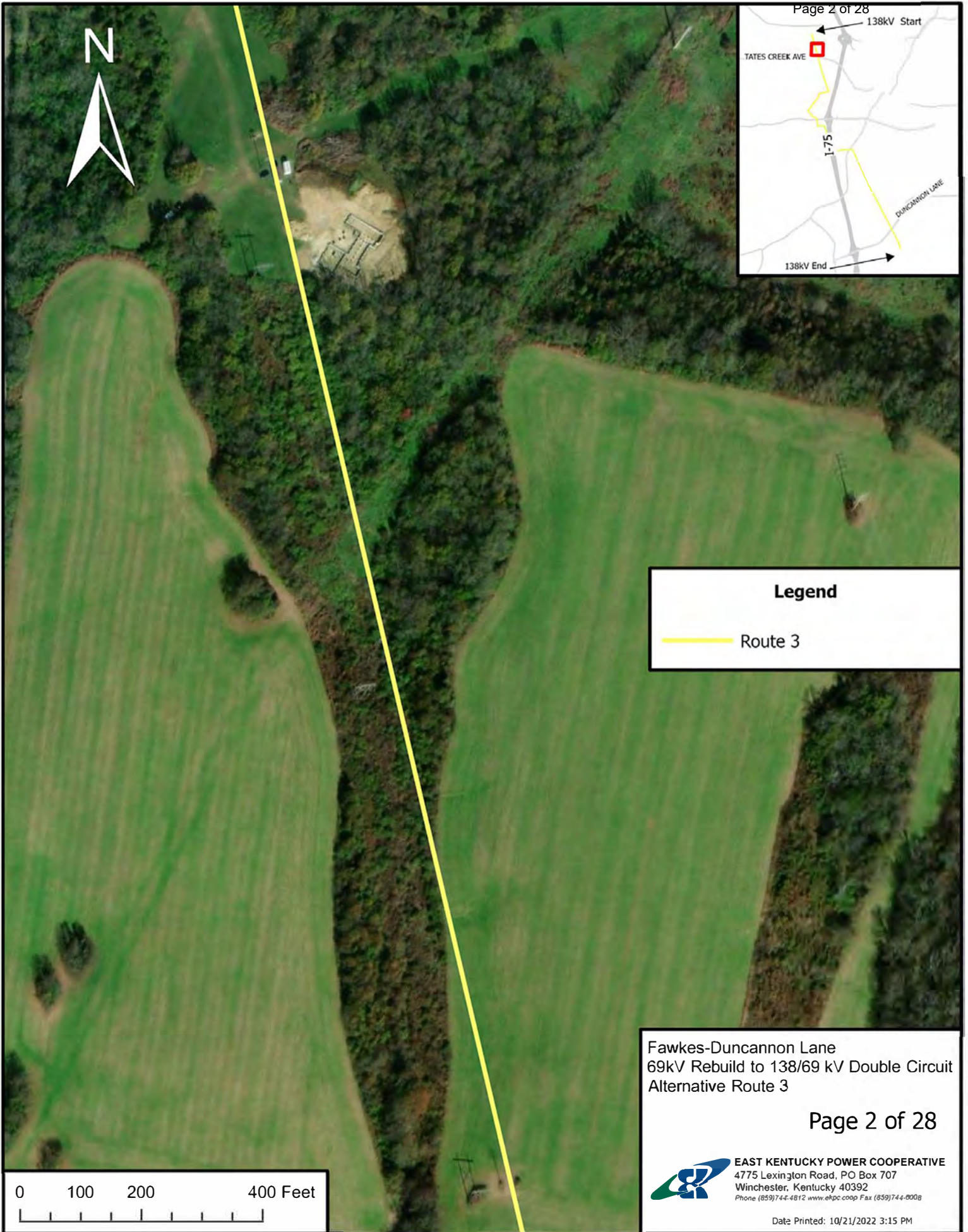
Page 1 of 28

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0 100 200 400 Feet



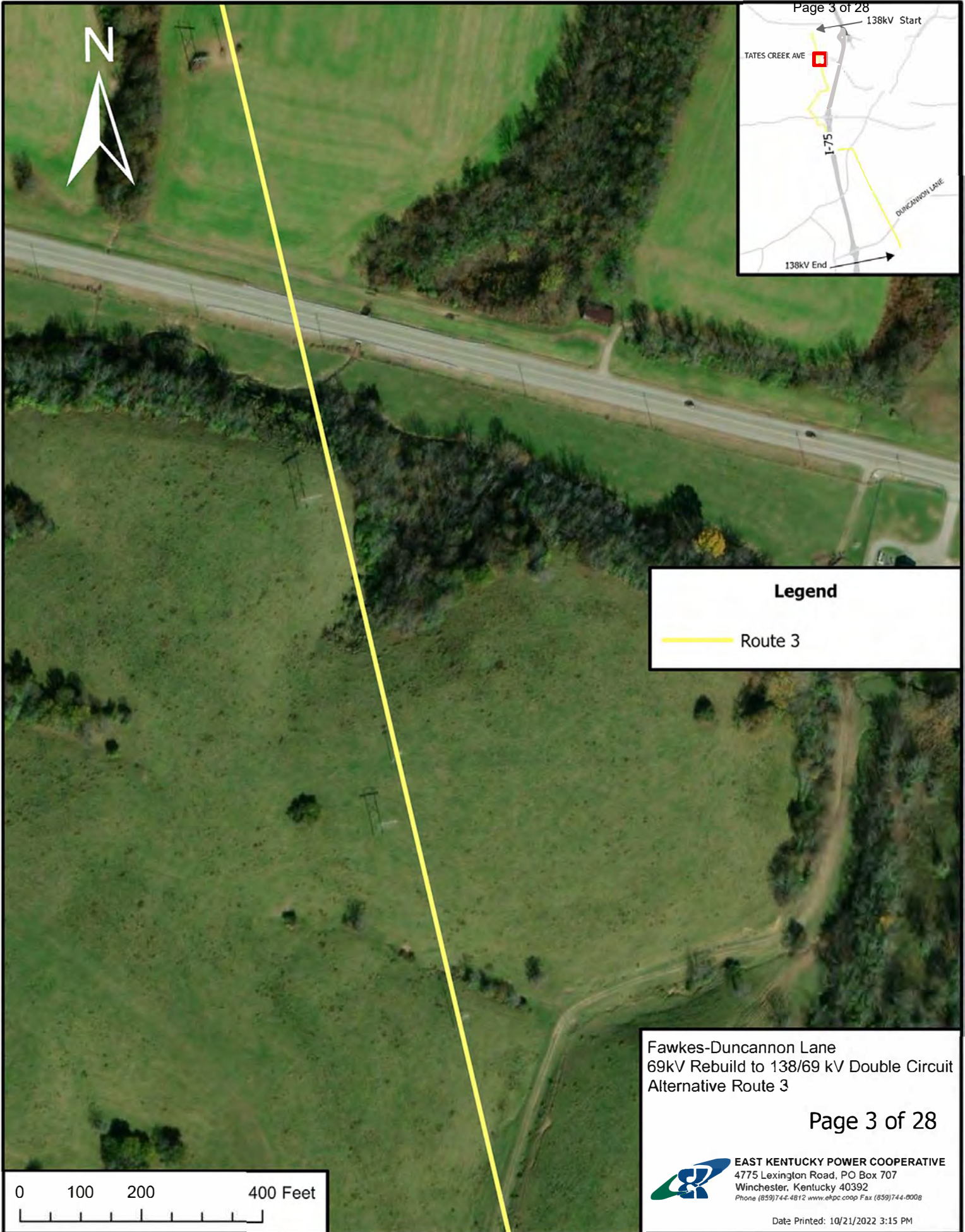


**Legend**

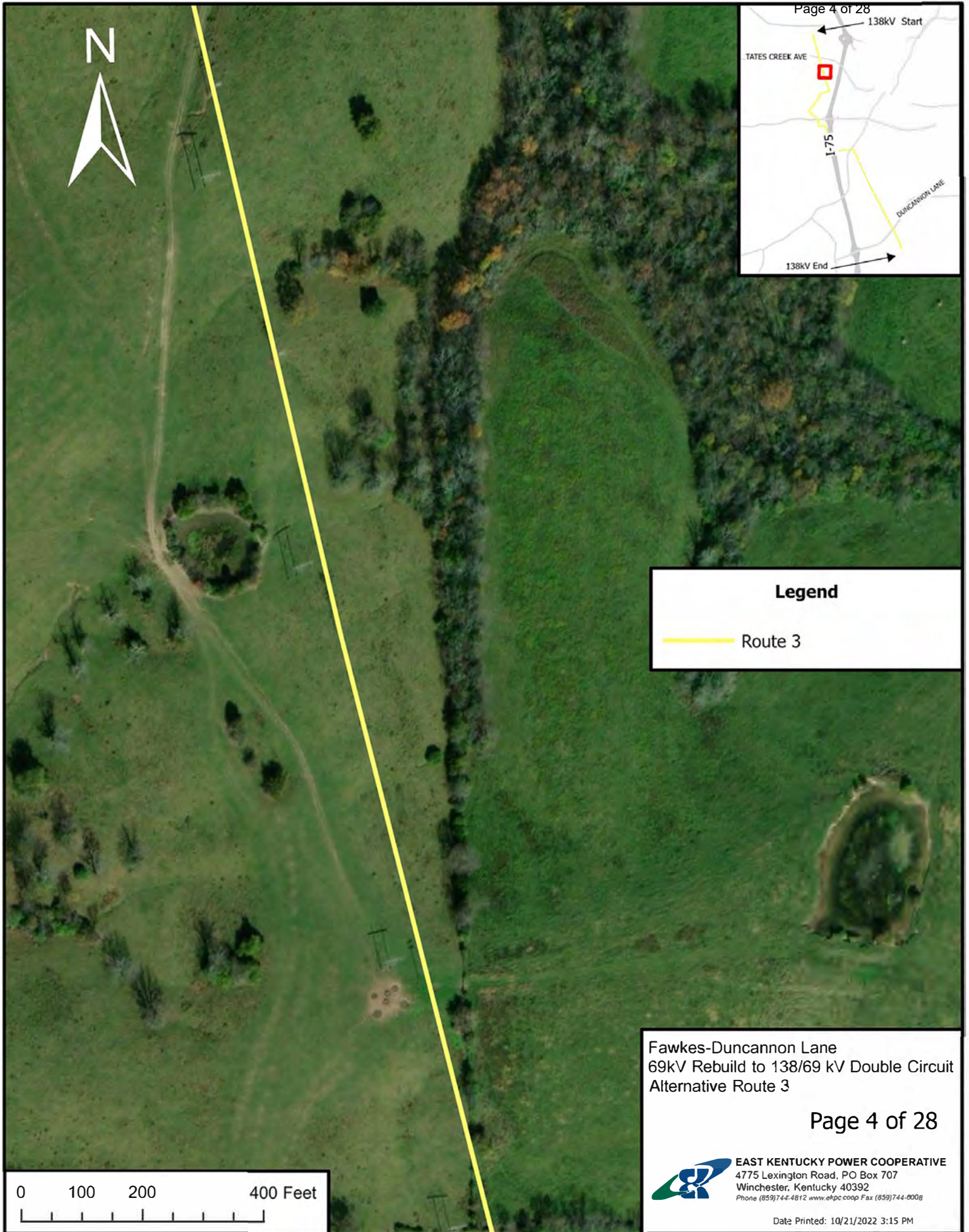
— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3









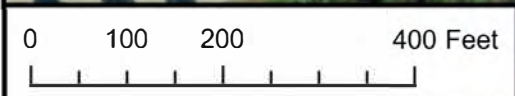




**Legend**

— Route 3

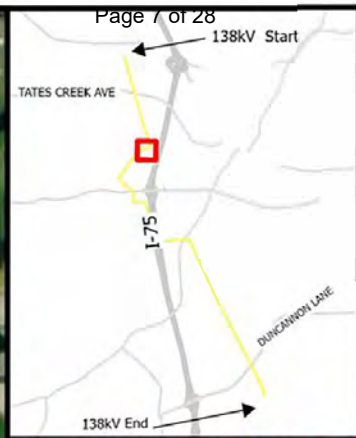
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3











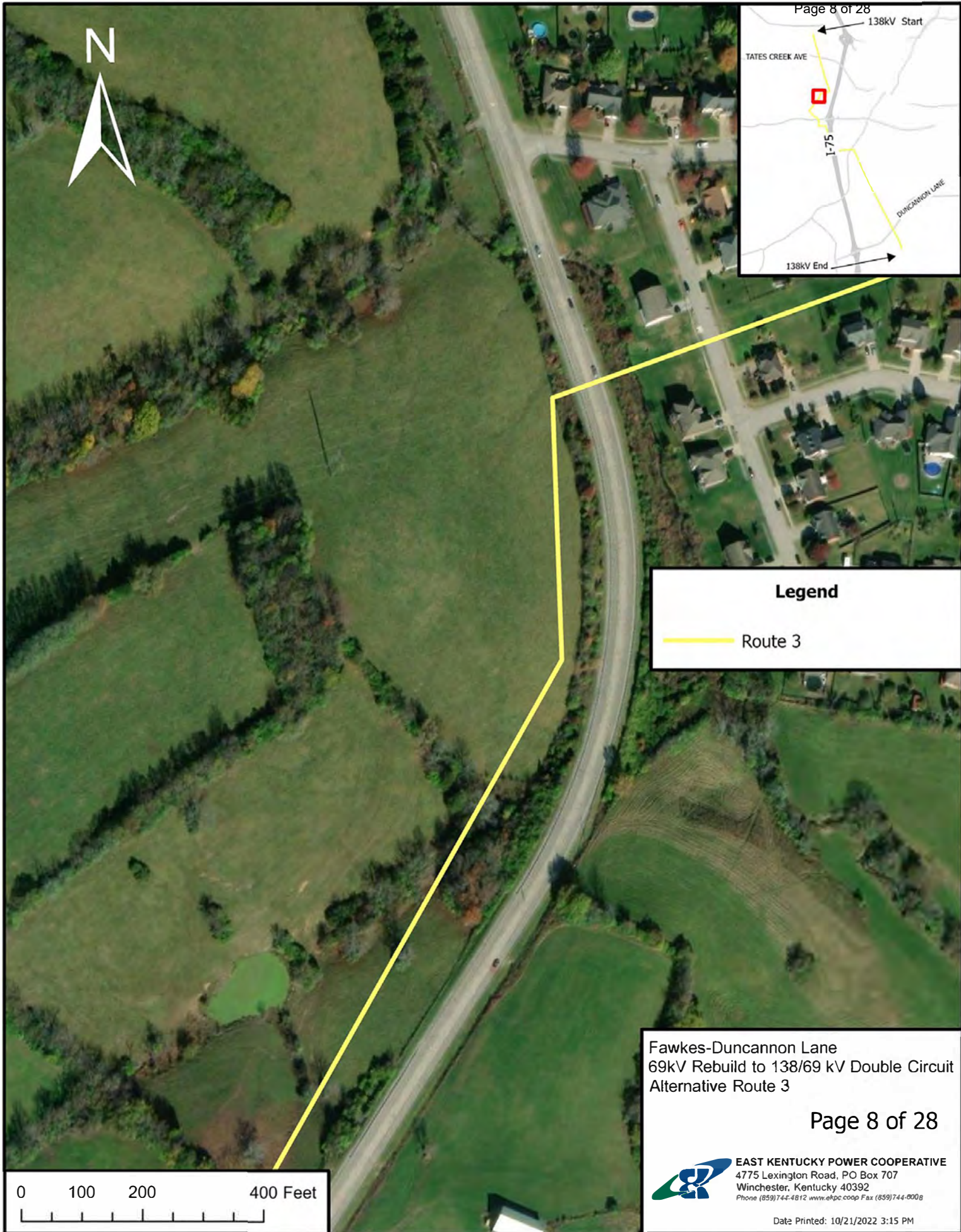
**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



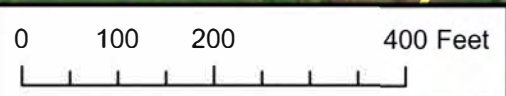




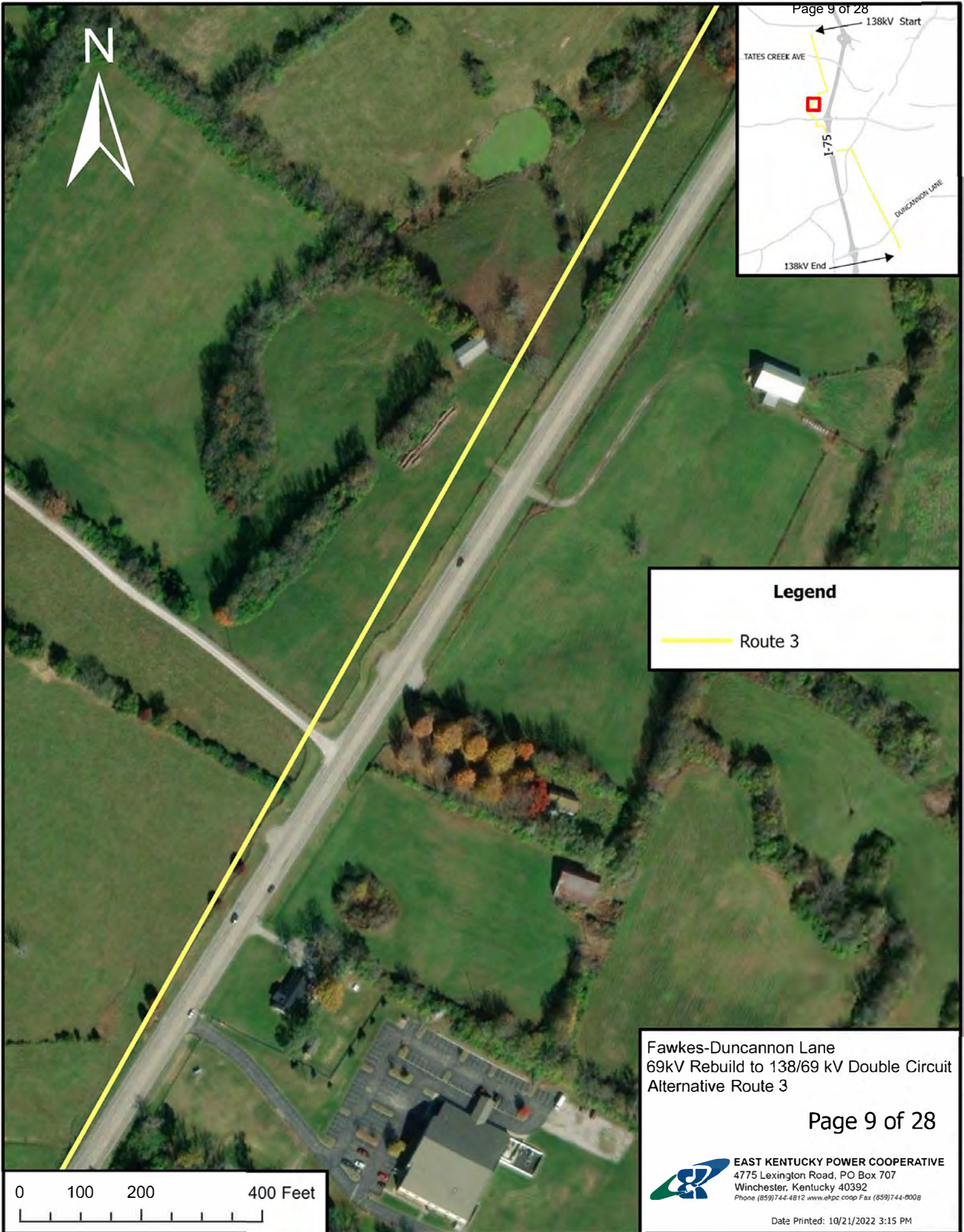
**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



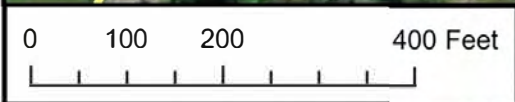




**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



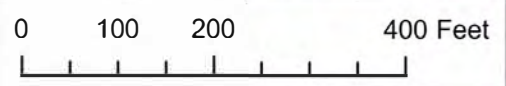




**Legend**

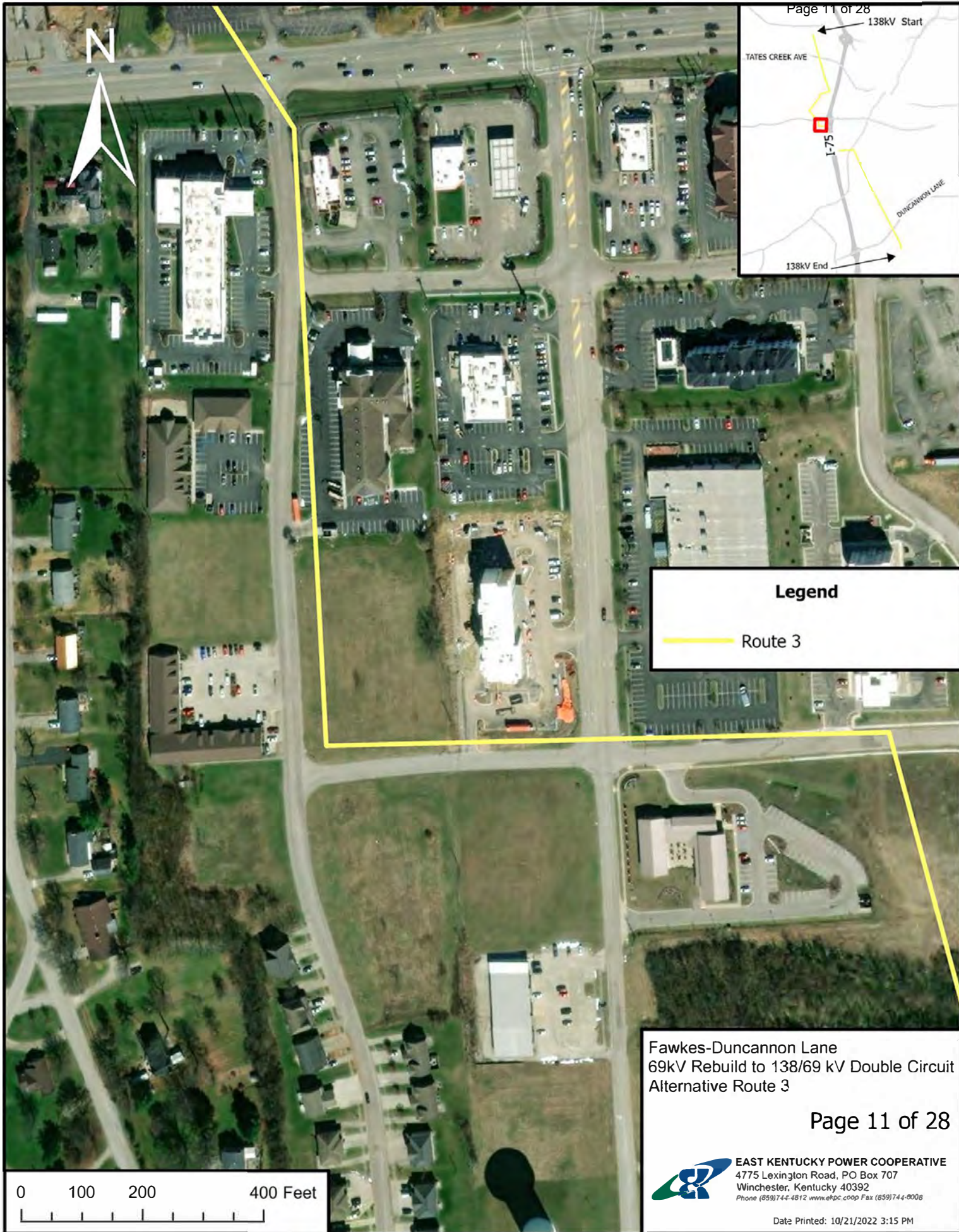
— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



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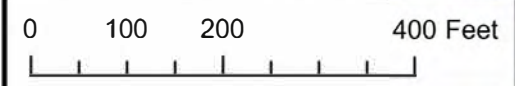




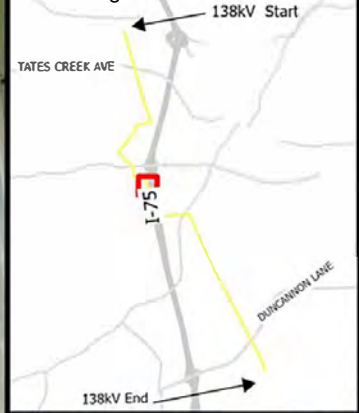
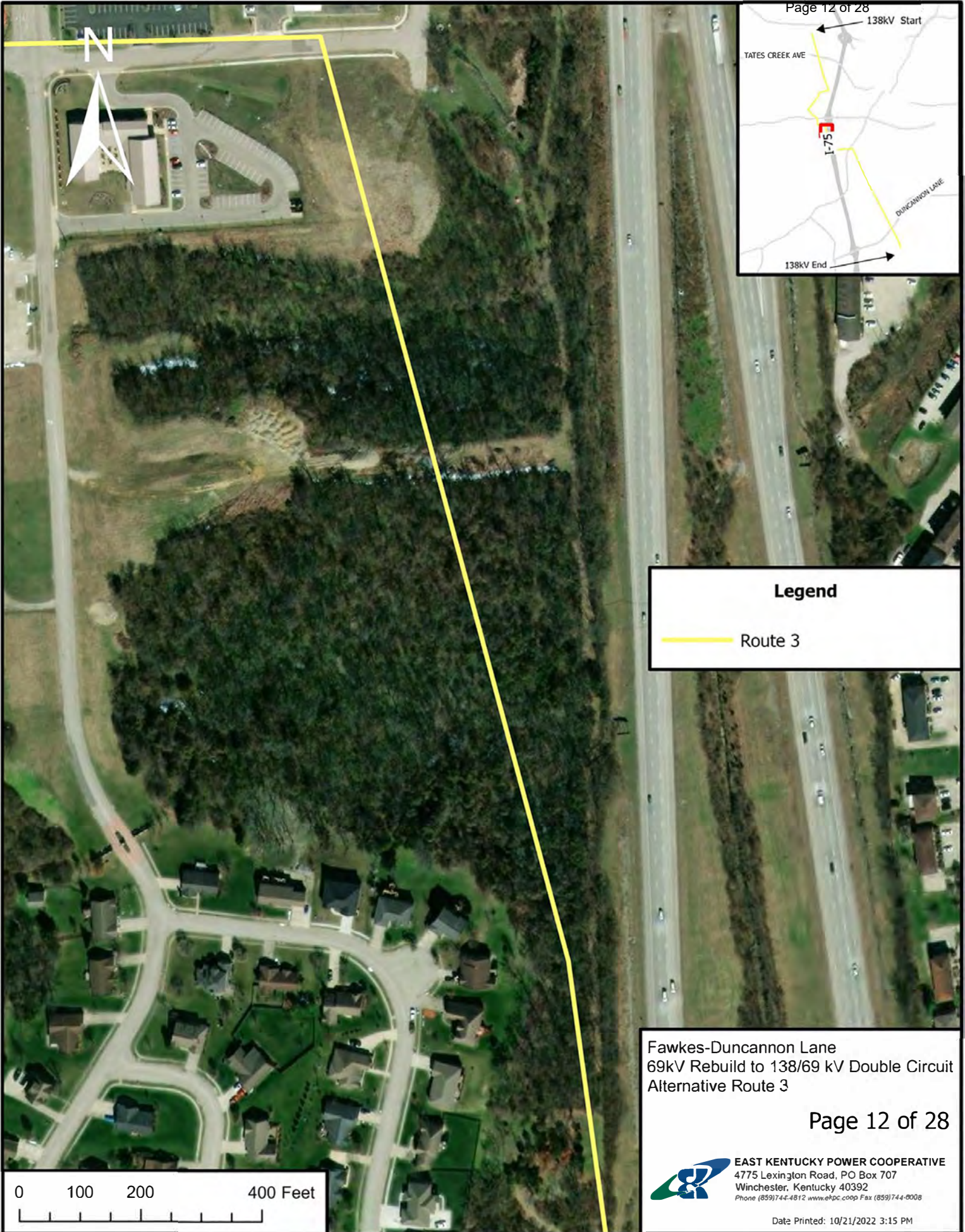
**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



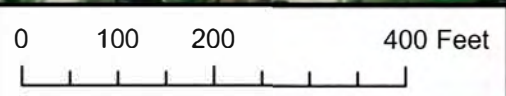




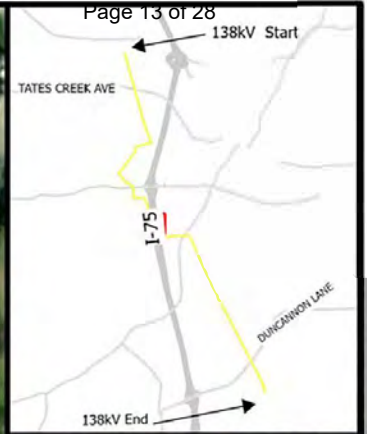
**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



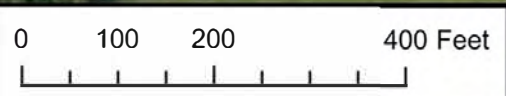




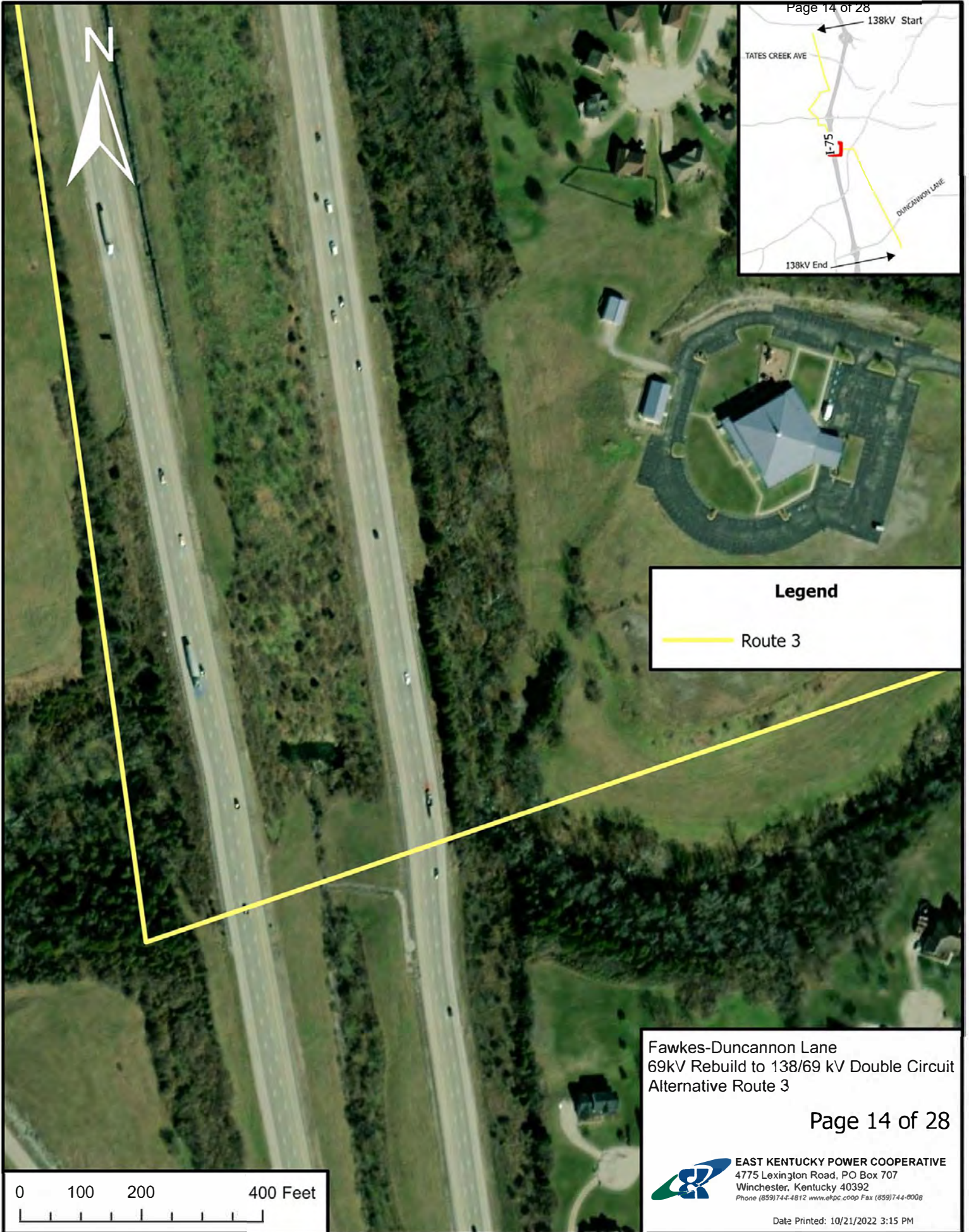
**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3







**Legend**

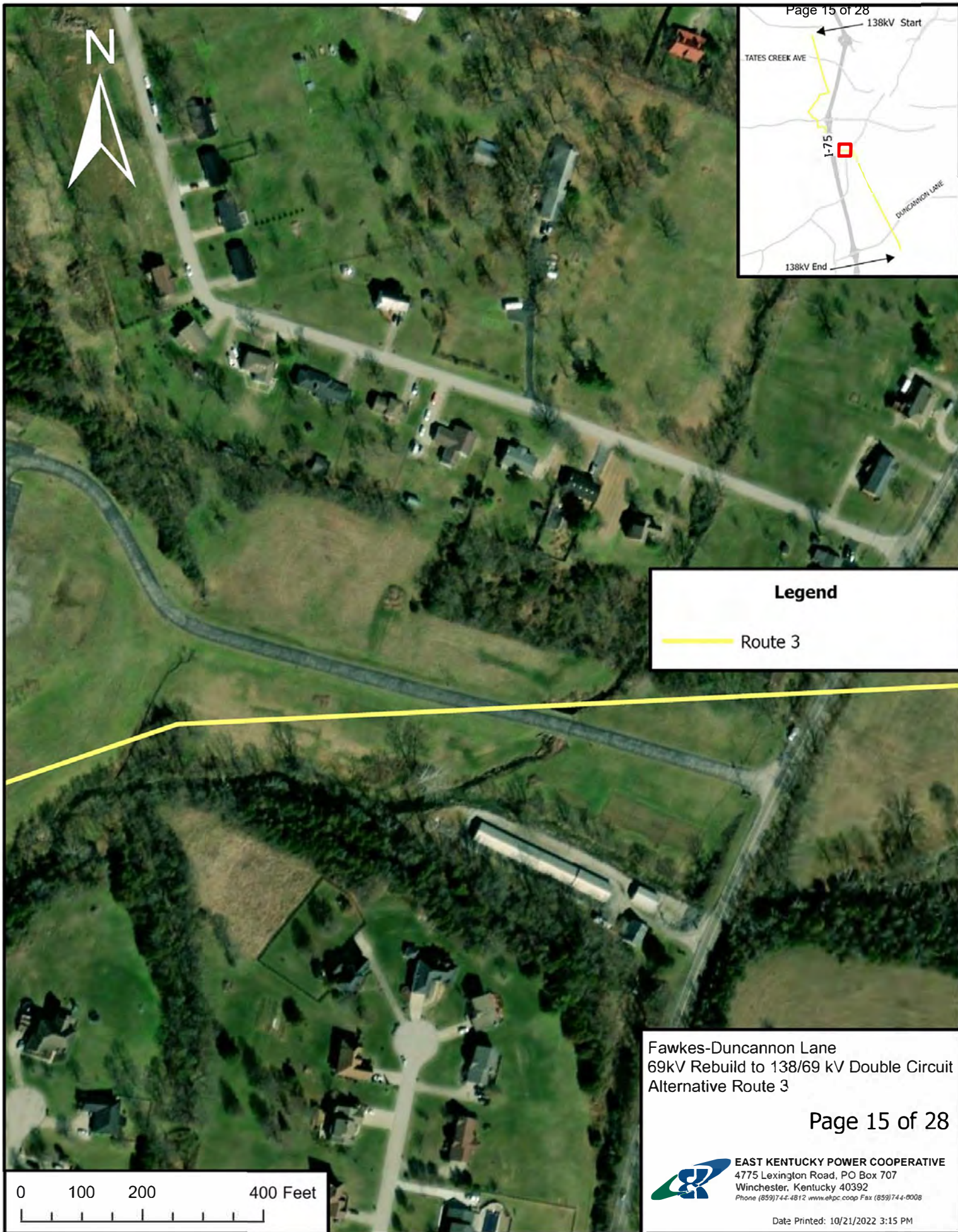
— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

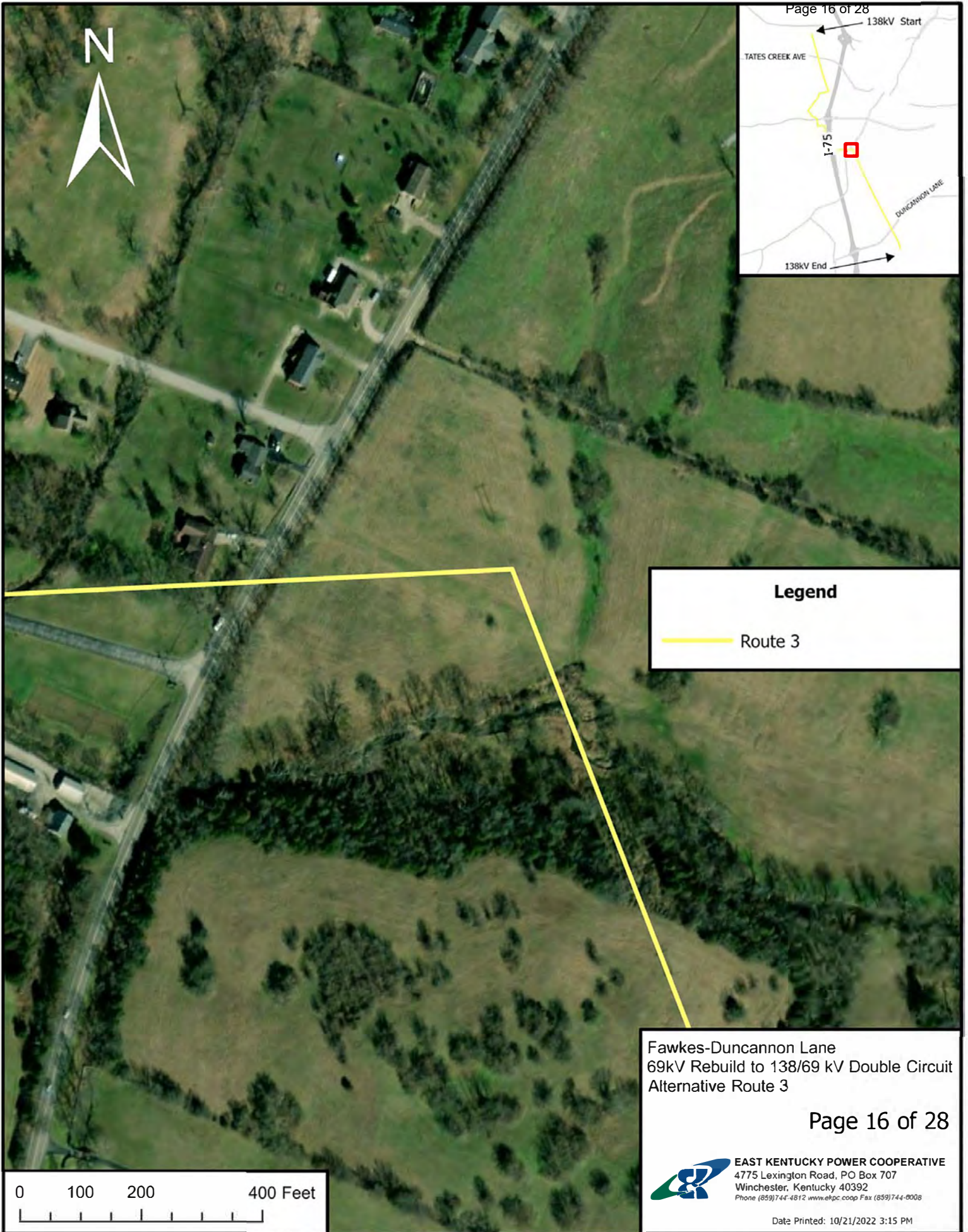


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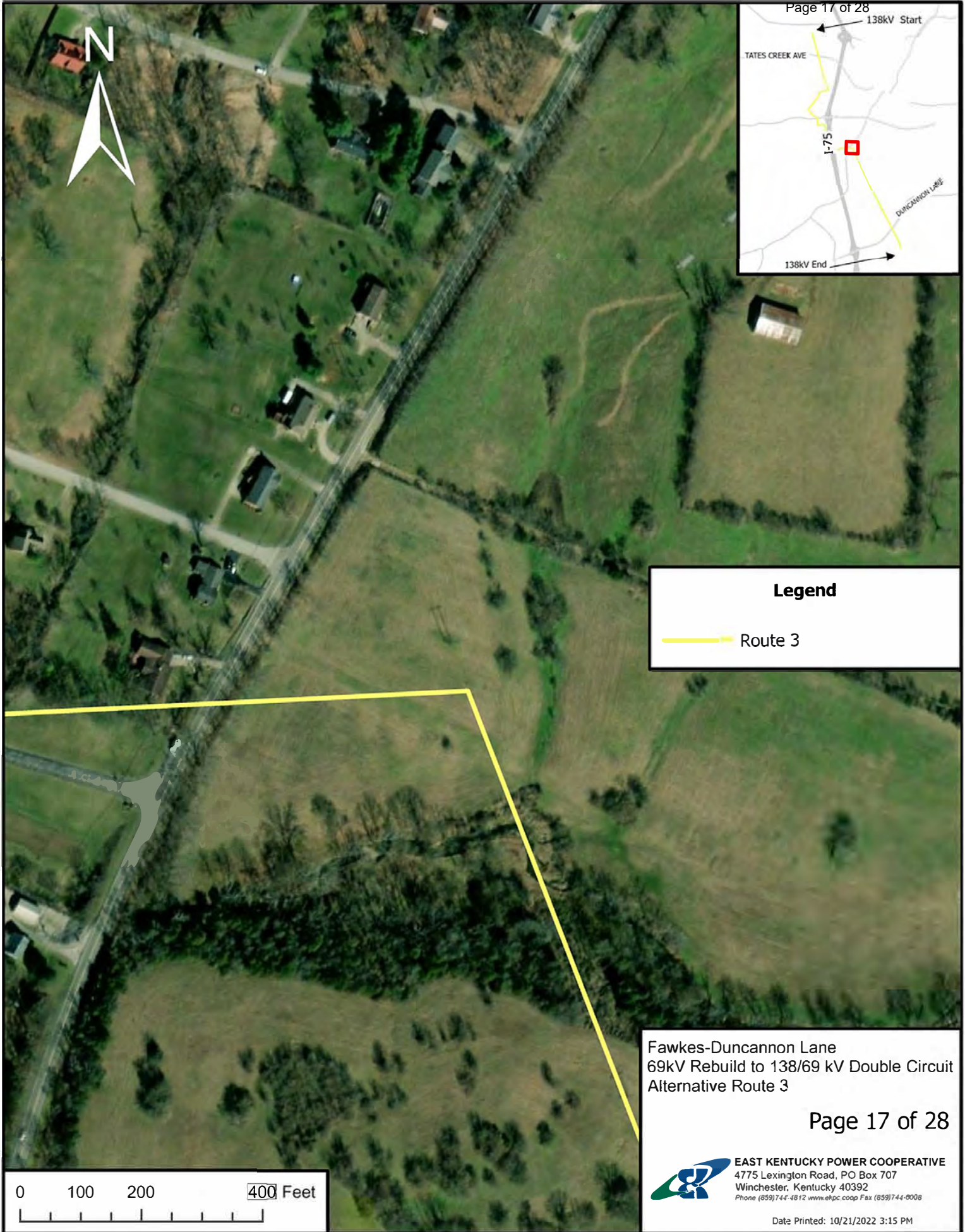




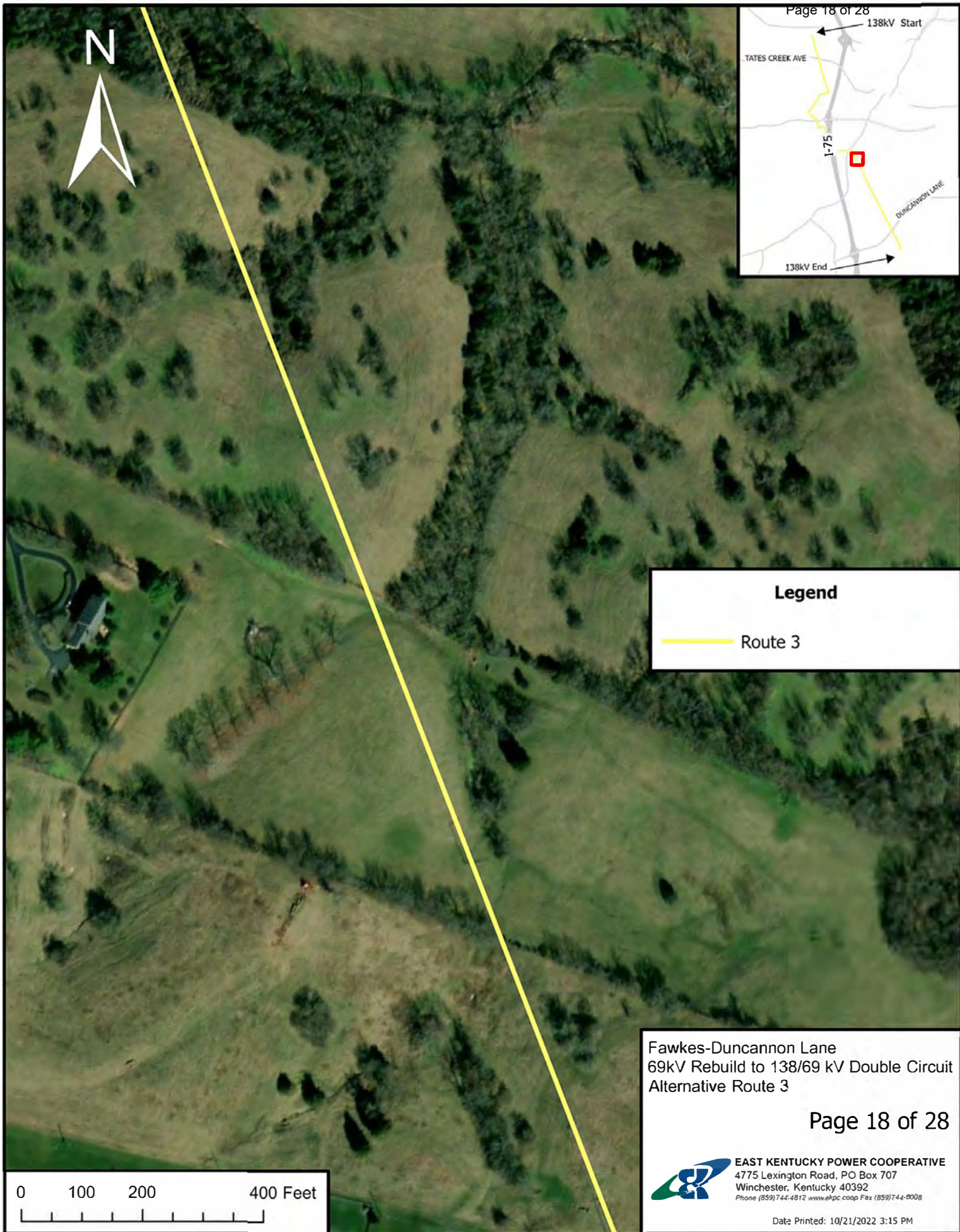












**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

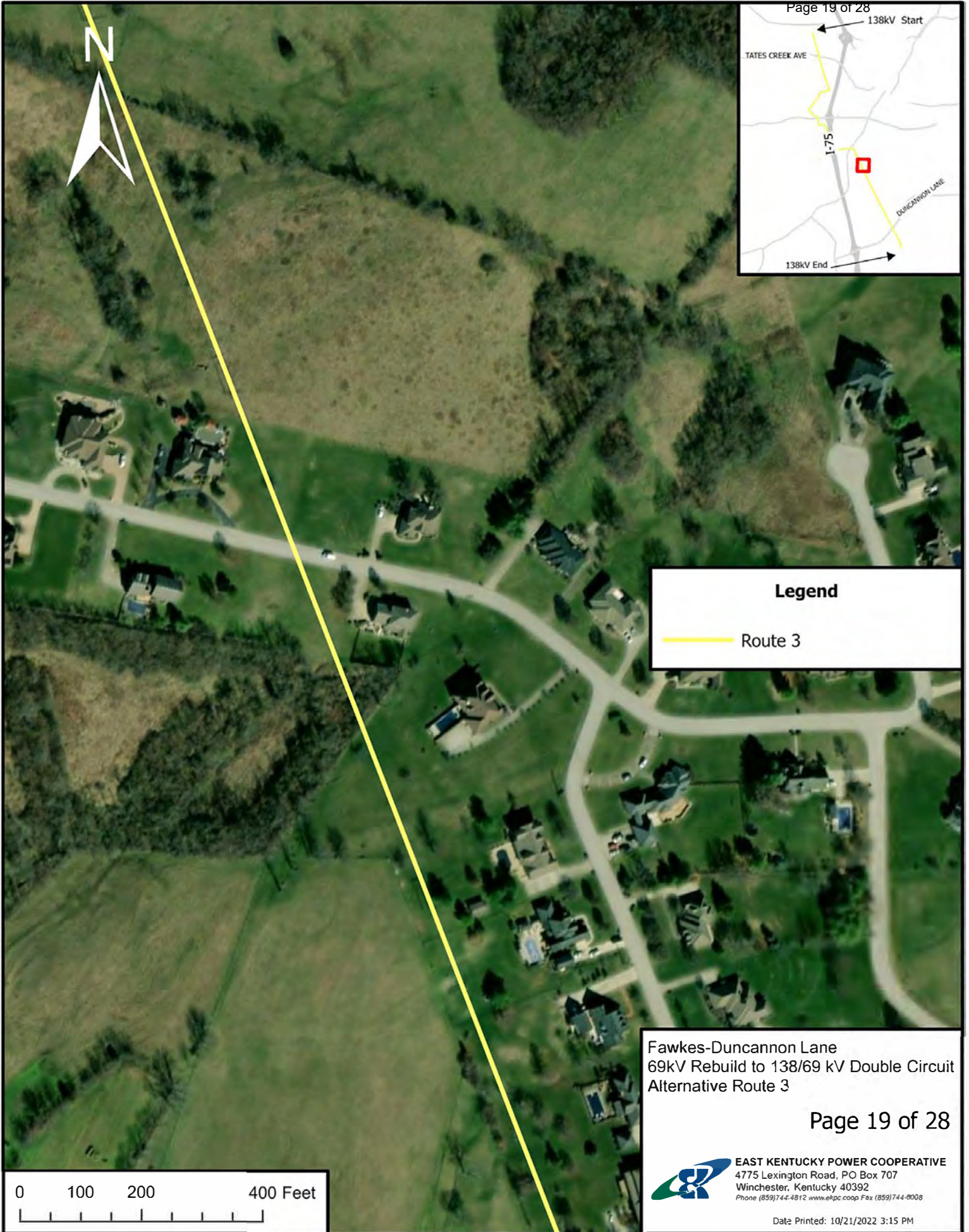
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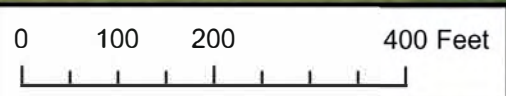




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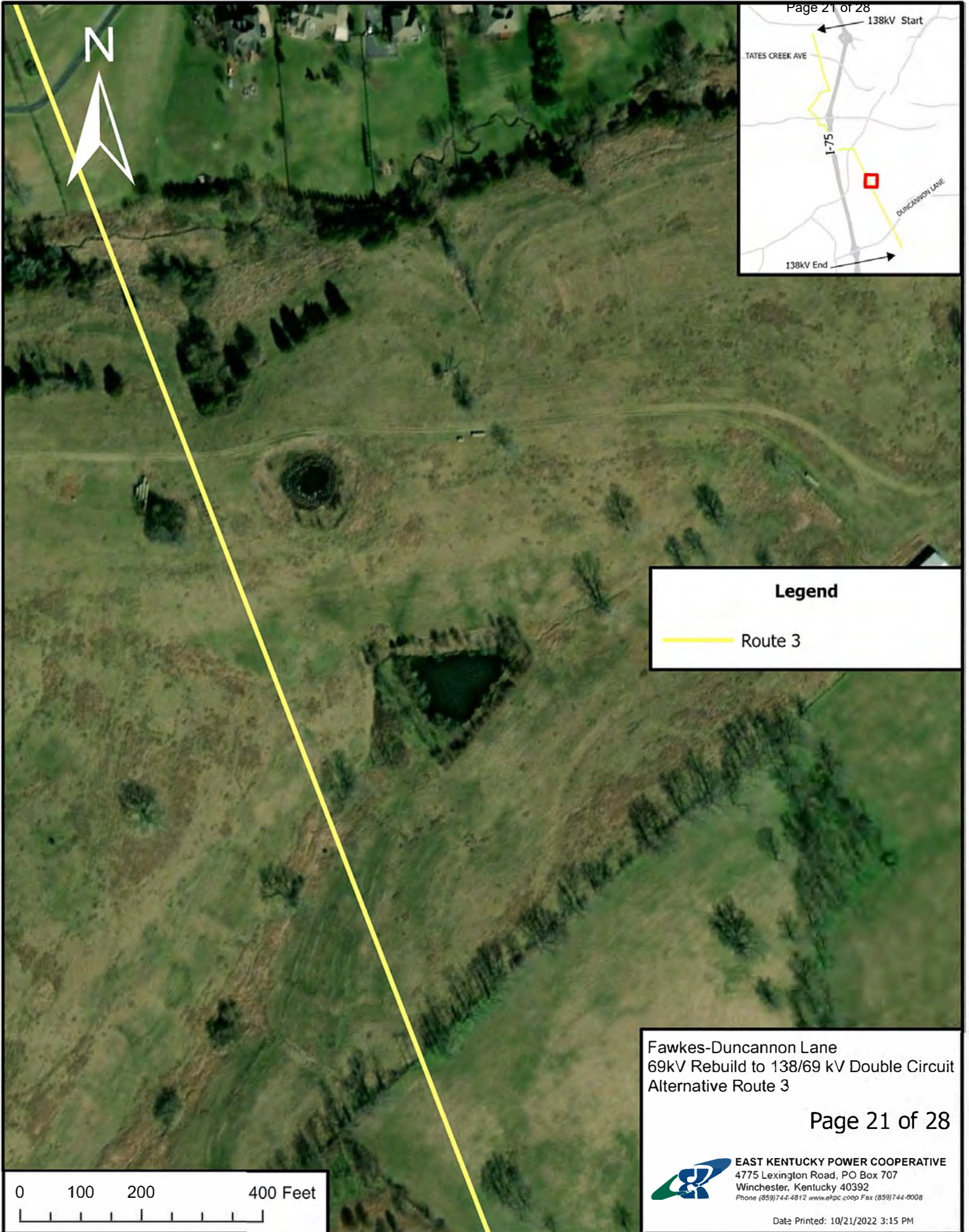
— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3



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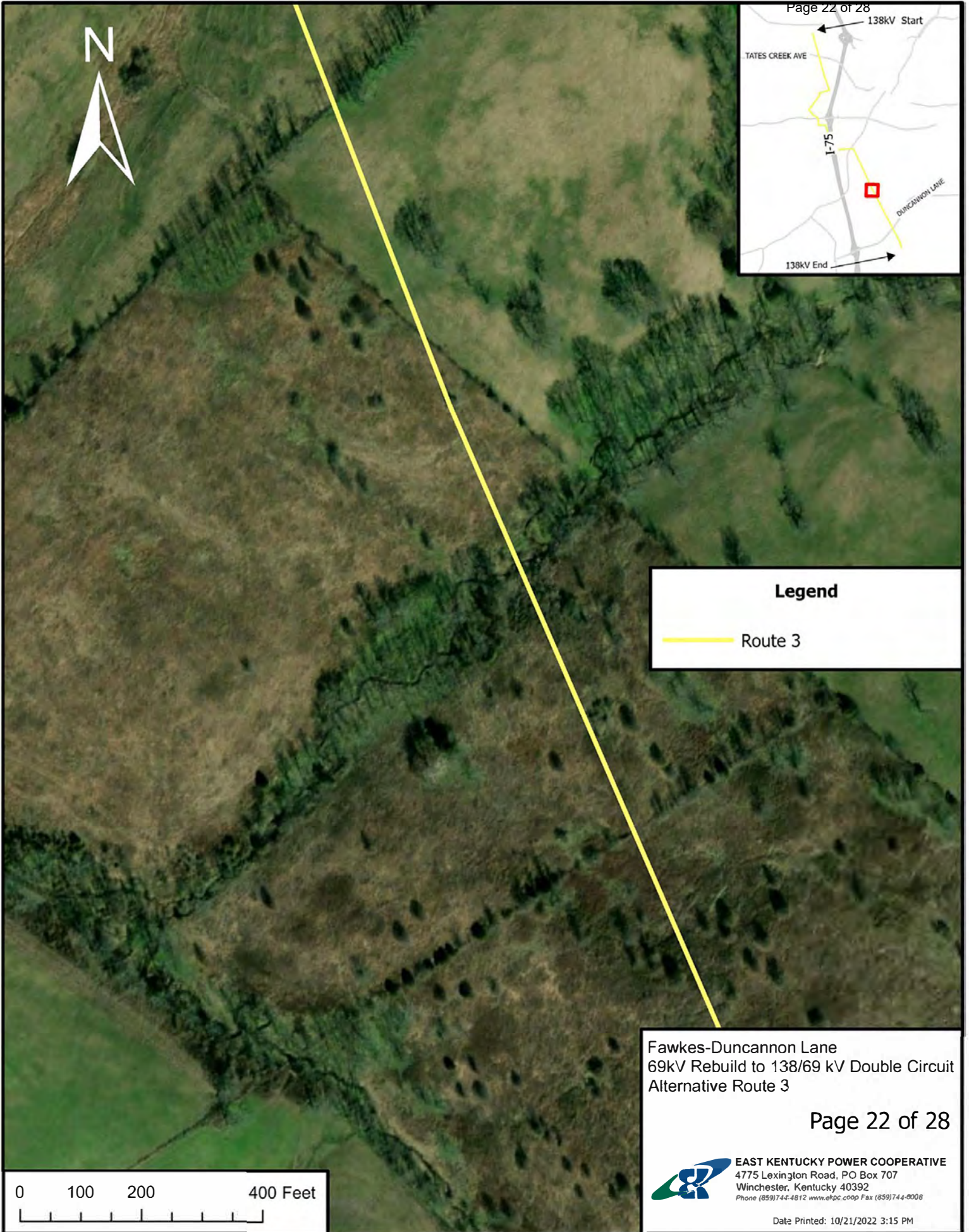


**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3





**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

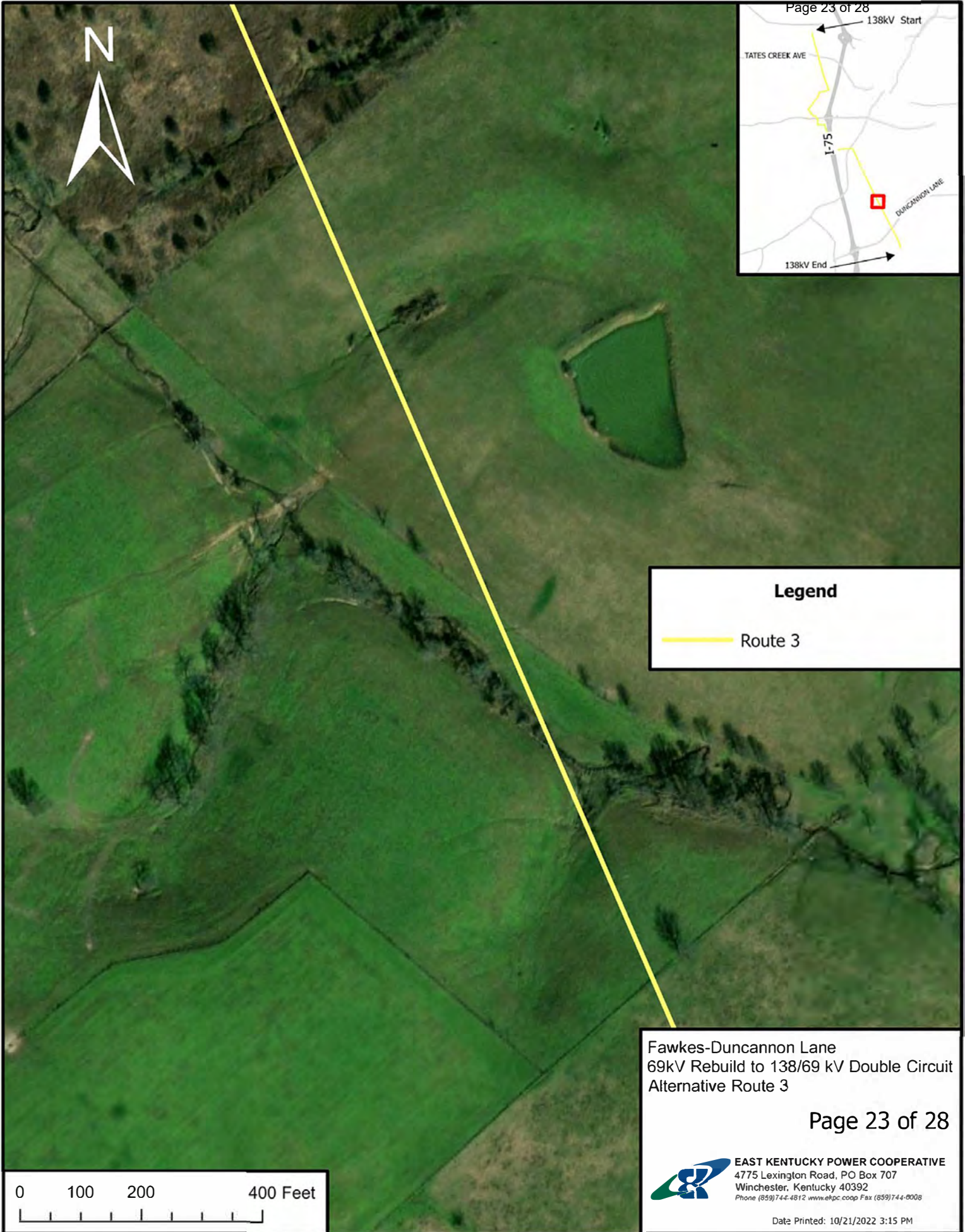
Page 22 of 28



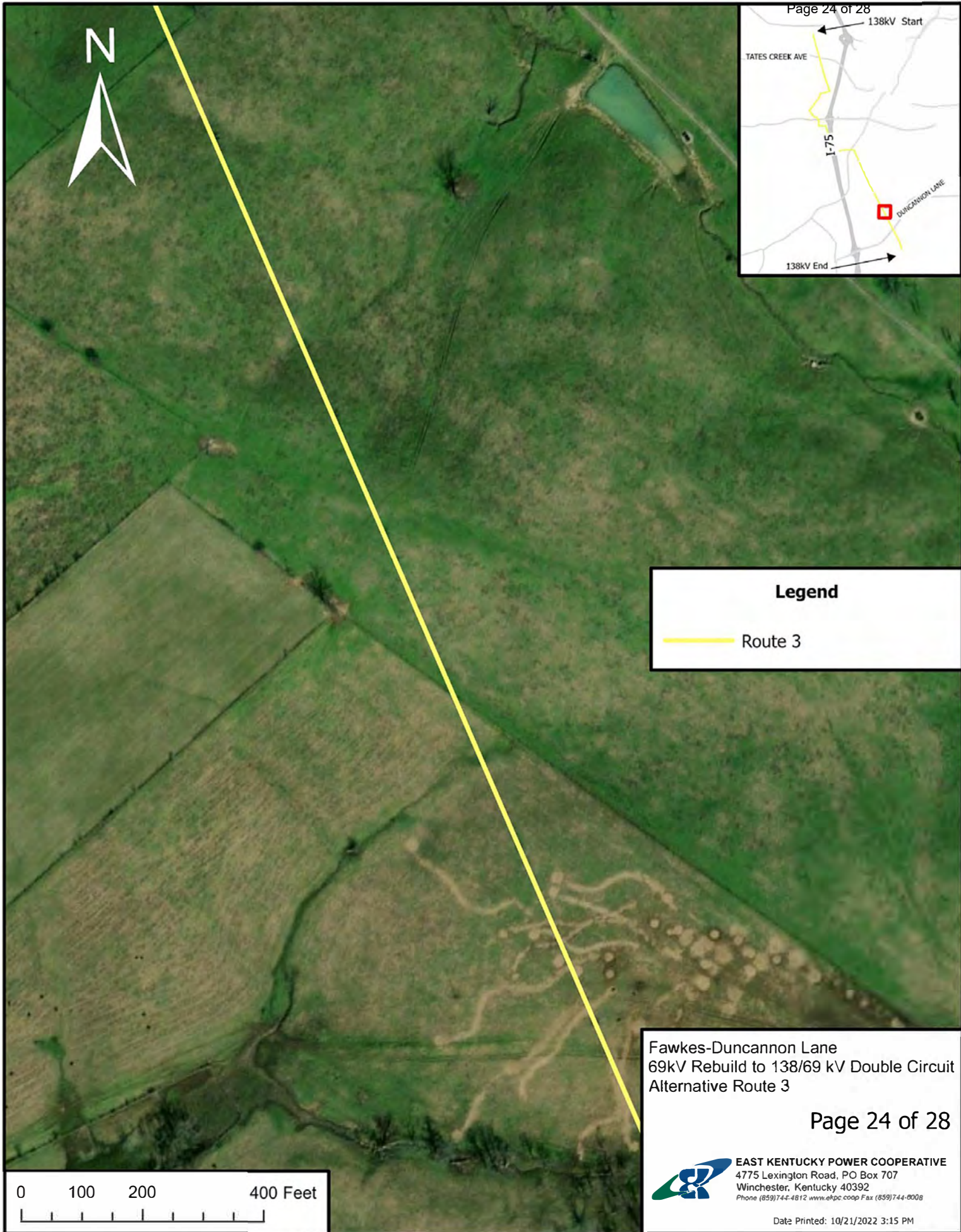
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**Legend**

— Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

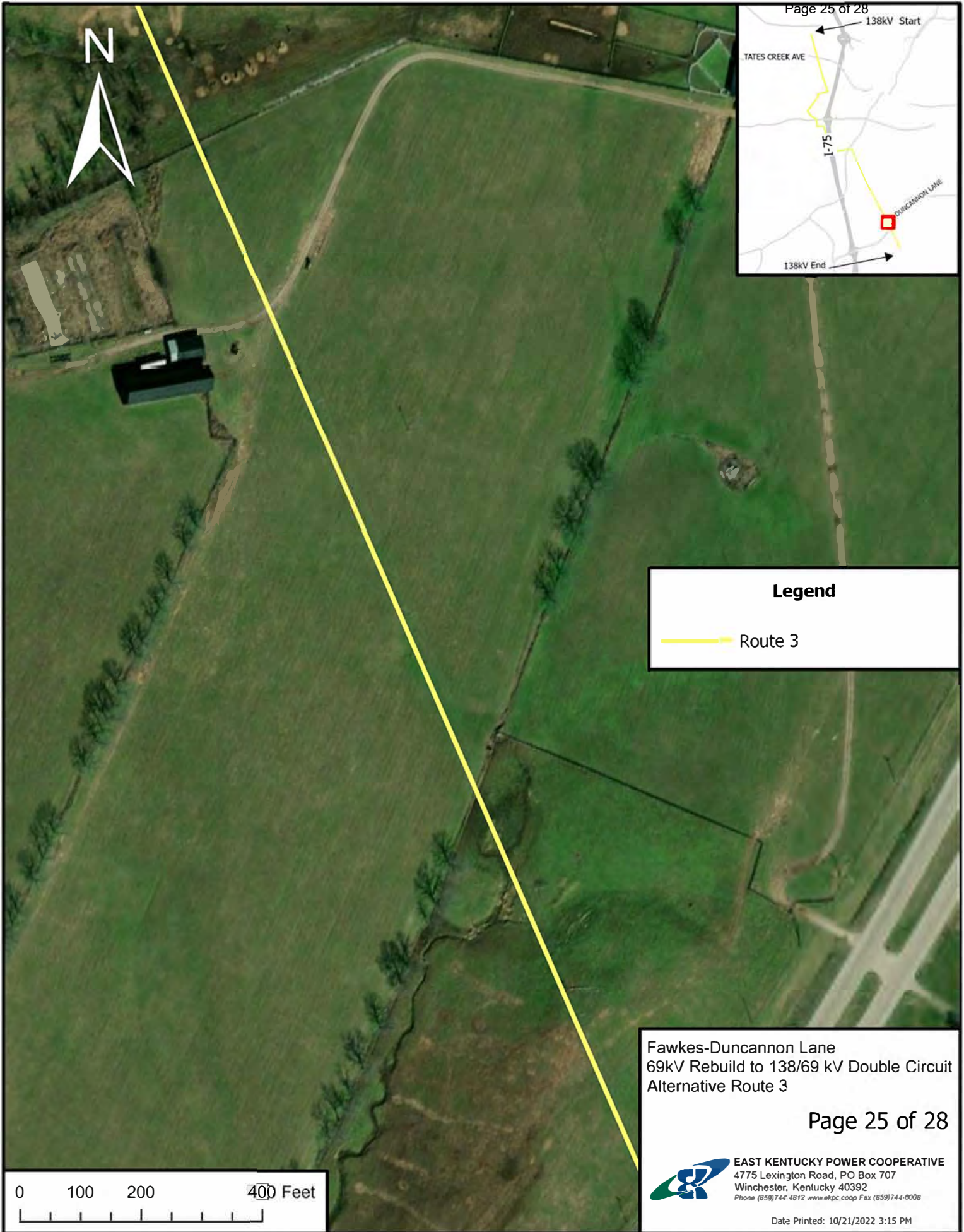
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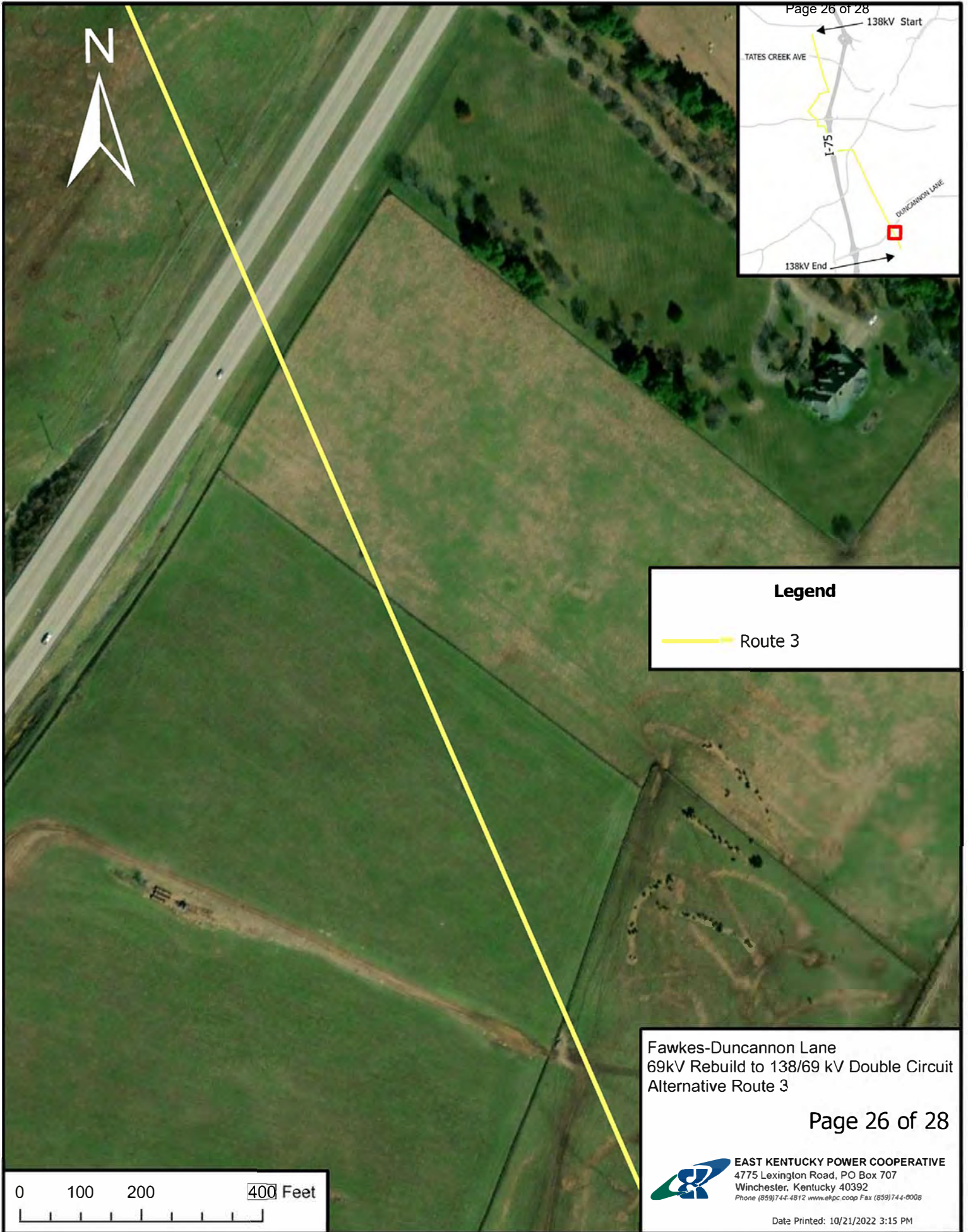
**EAST KENTUCKY POWER COOPERATIVE**  
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**Legend**

 Route 3

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3

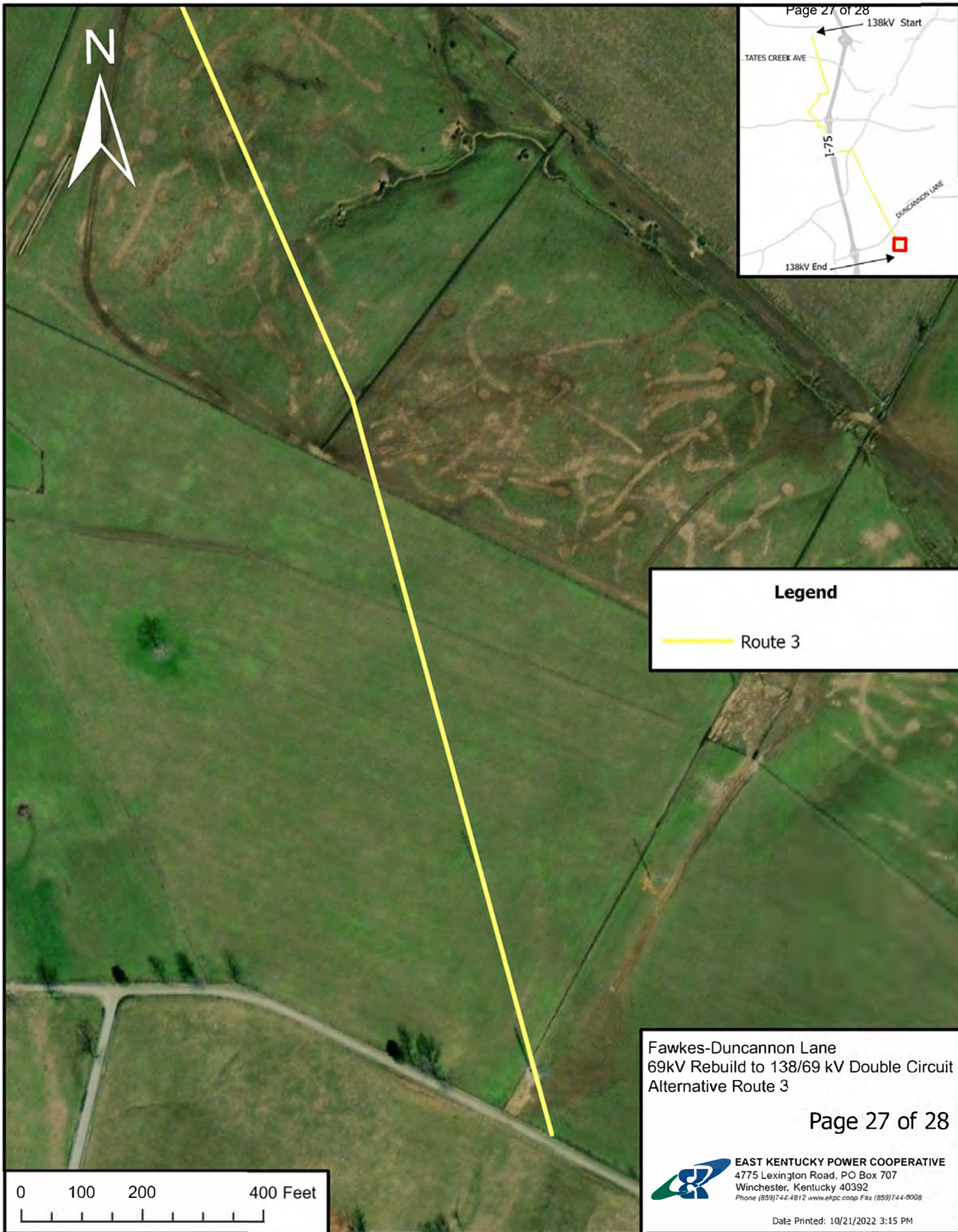
Page 26 of 28



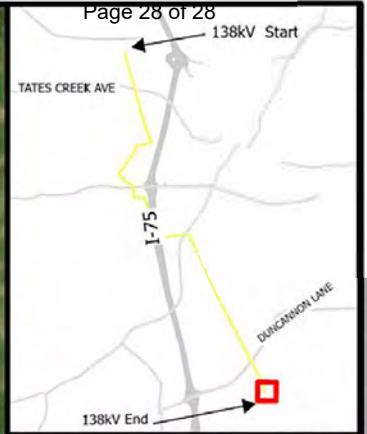
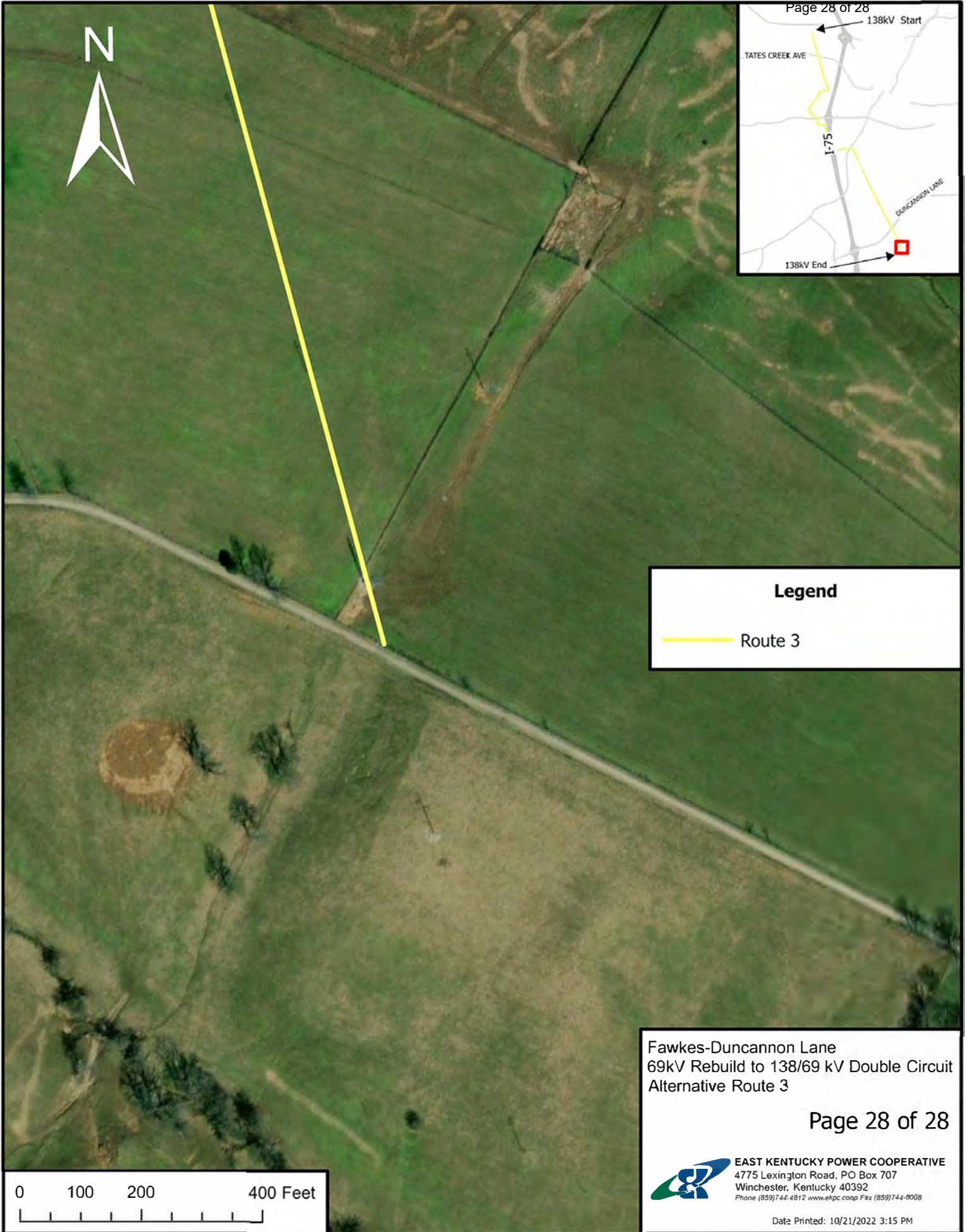
**EAST KENTUCKY POWER COOPERATIVE**  
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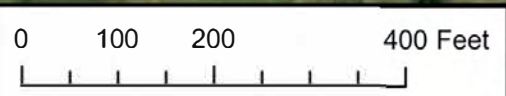




**Legend**

— Route 3

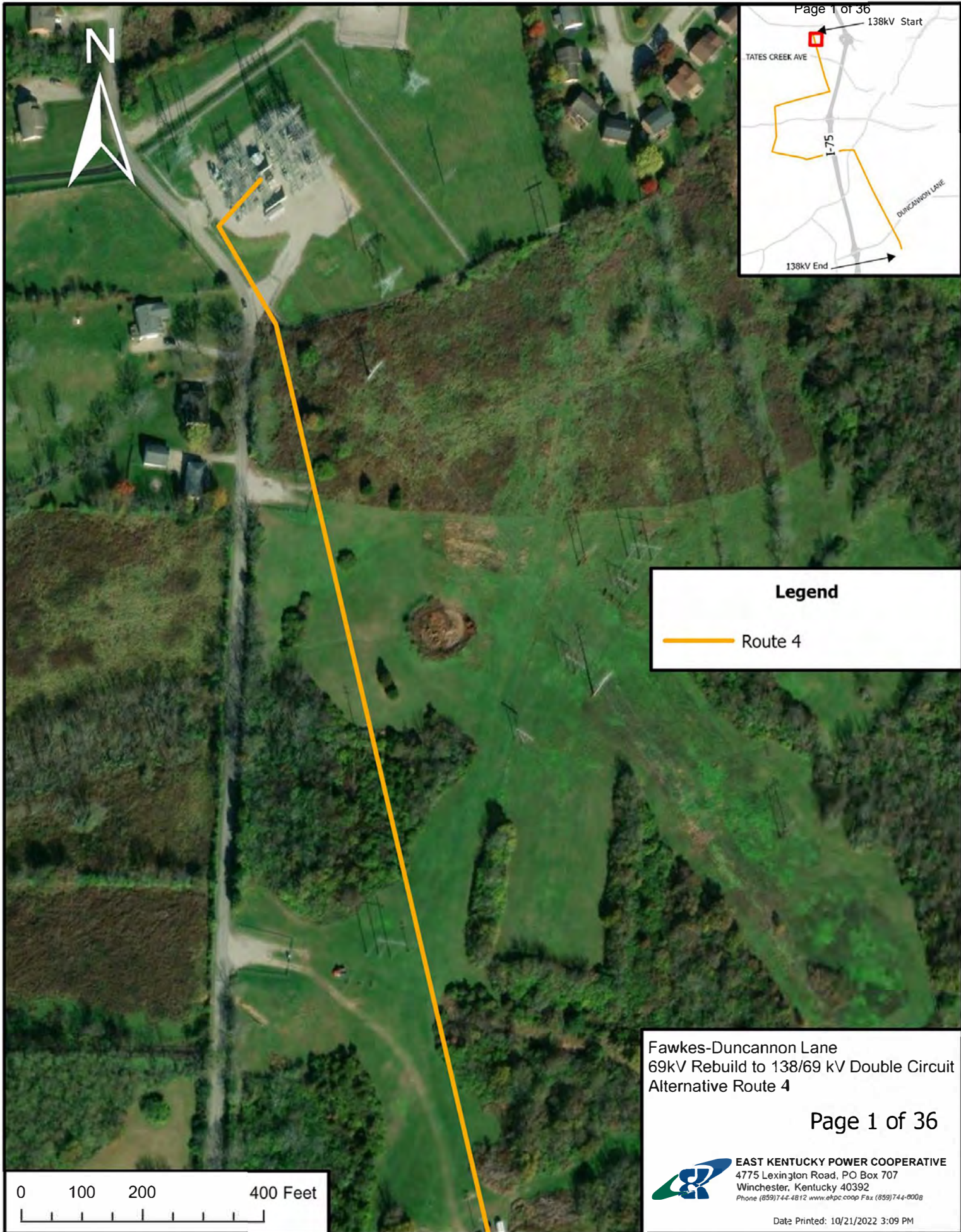
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 3





**EXHIBIT 7**  
**ALTERNATE ROUTE MAP**



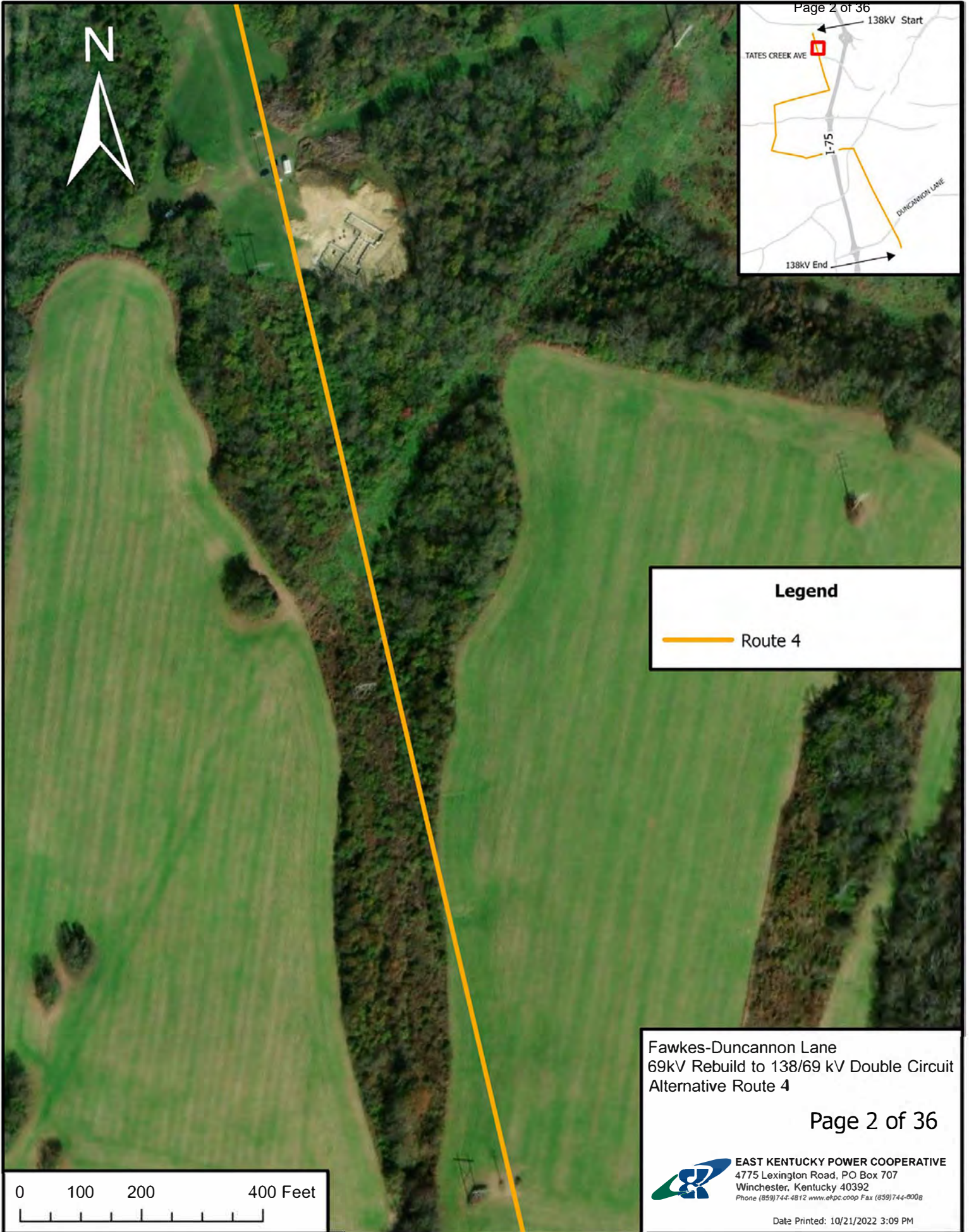


**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4





**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

Page 2 of 36

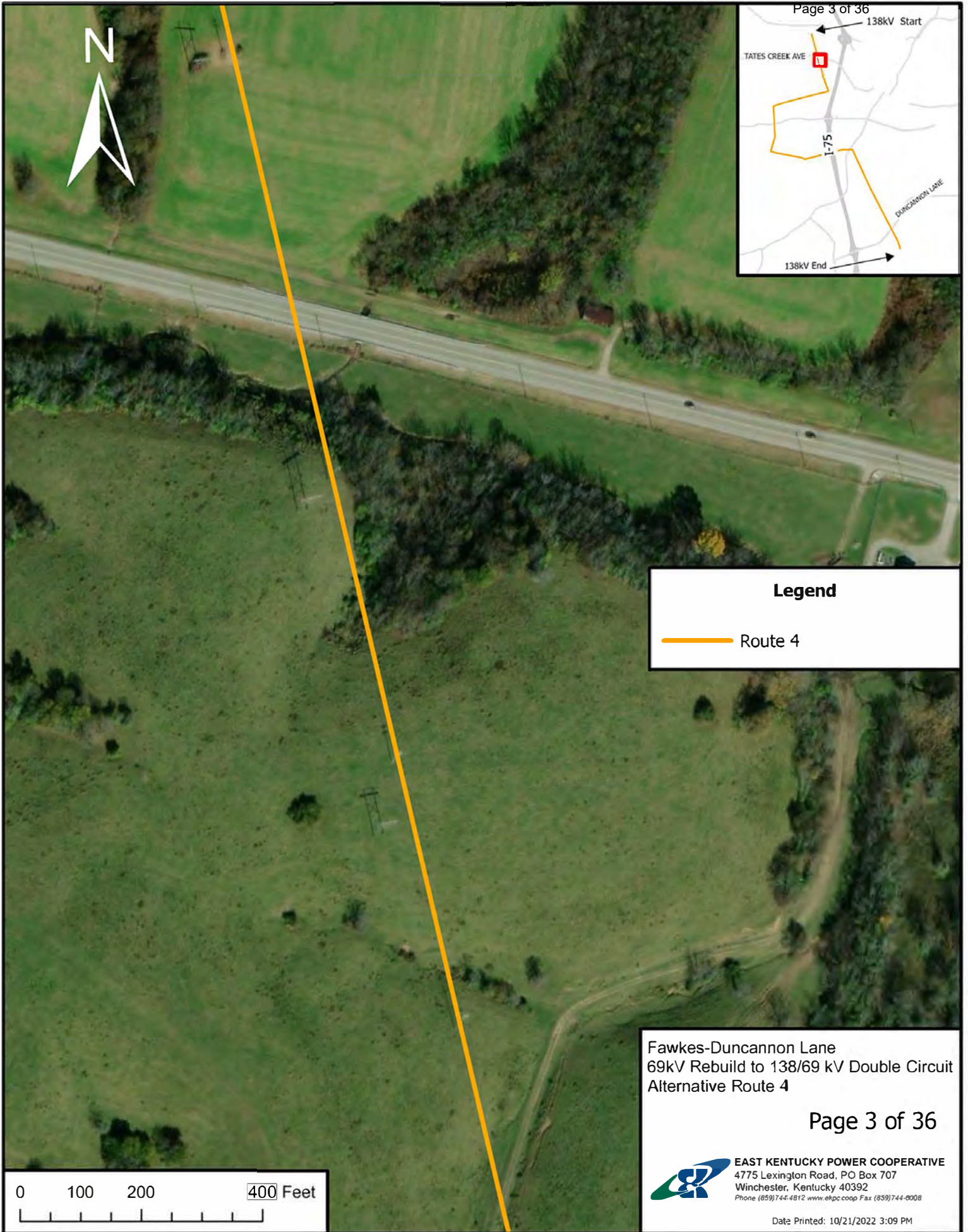


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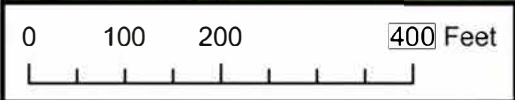




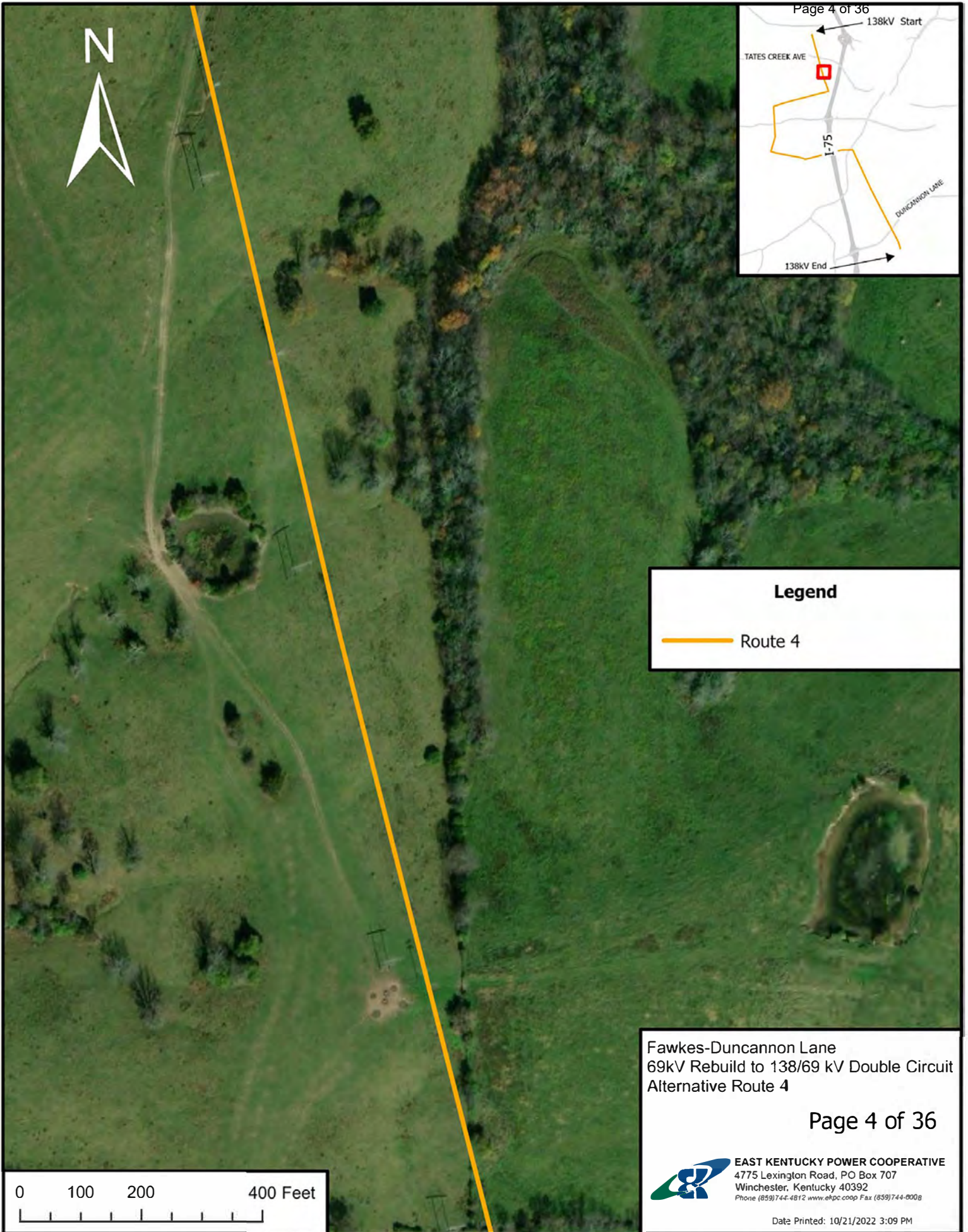
**Legend**

— Route 4

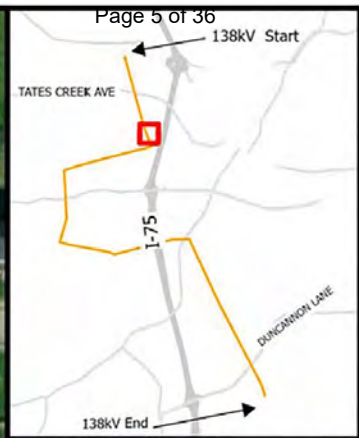
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4









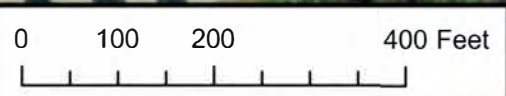


**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

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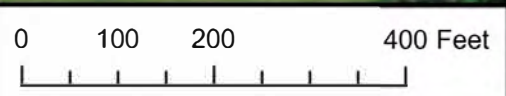




**Legend**

— Route 4

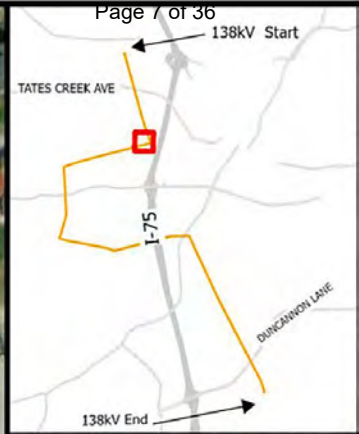
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



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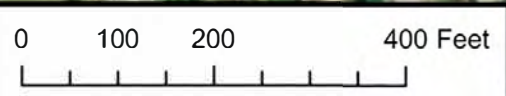




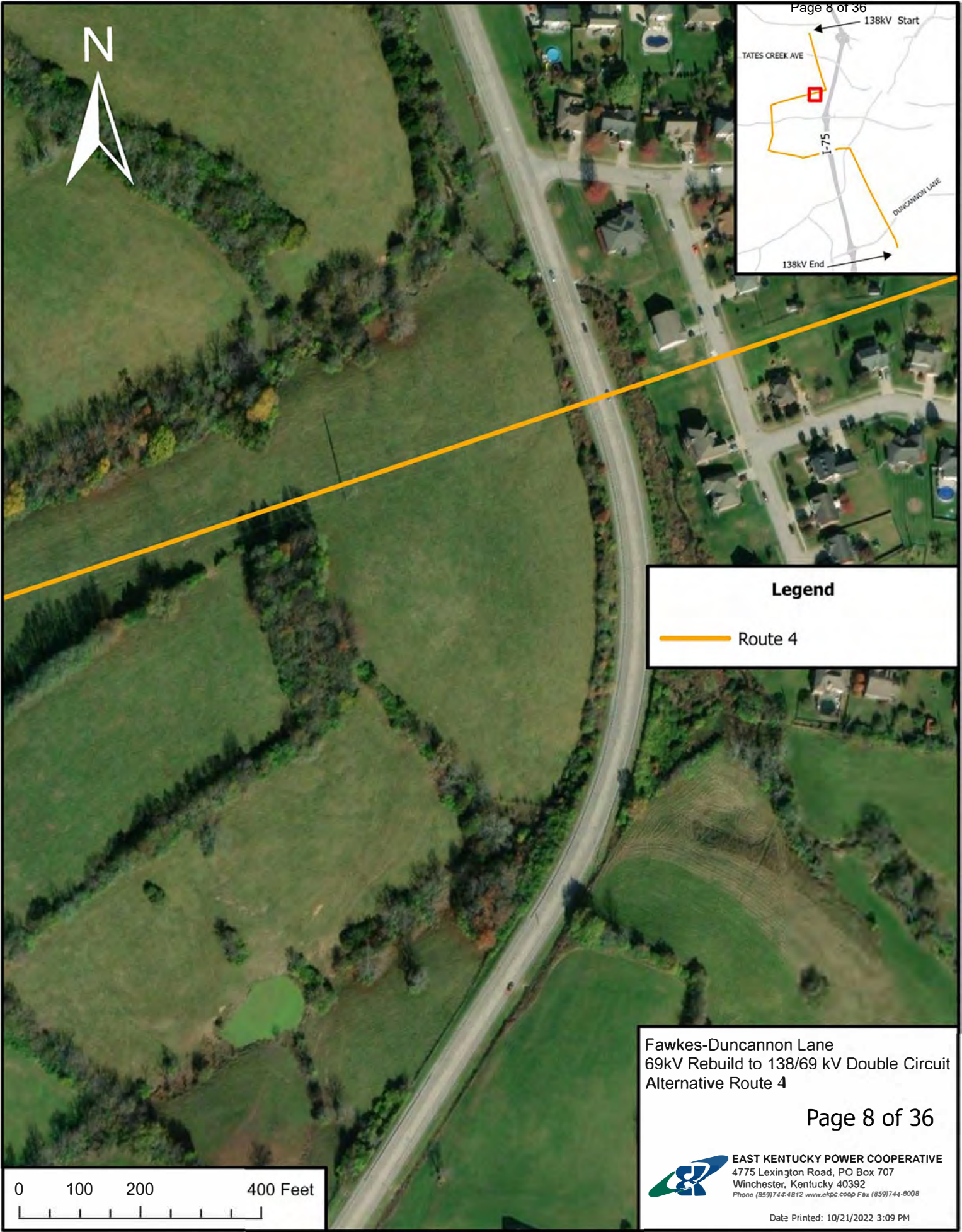
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4







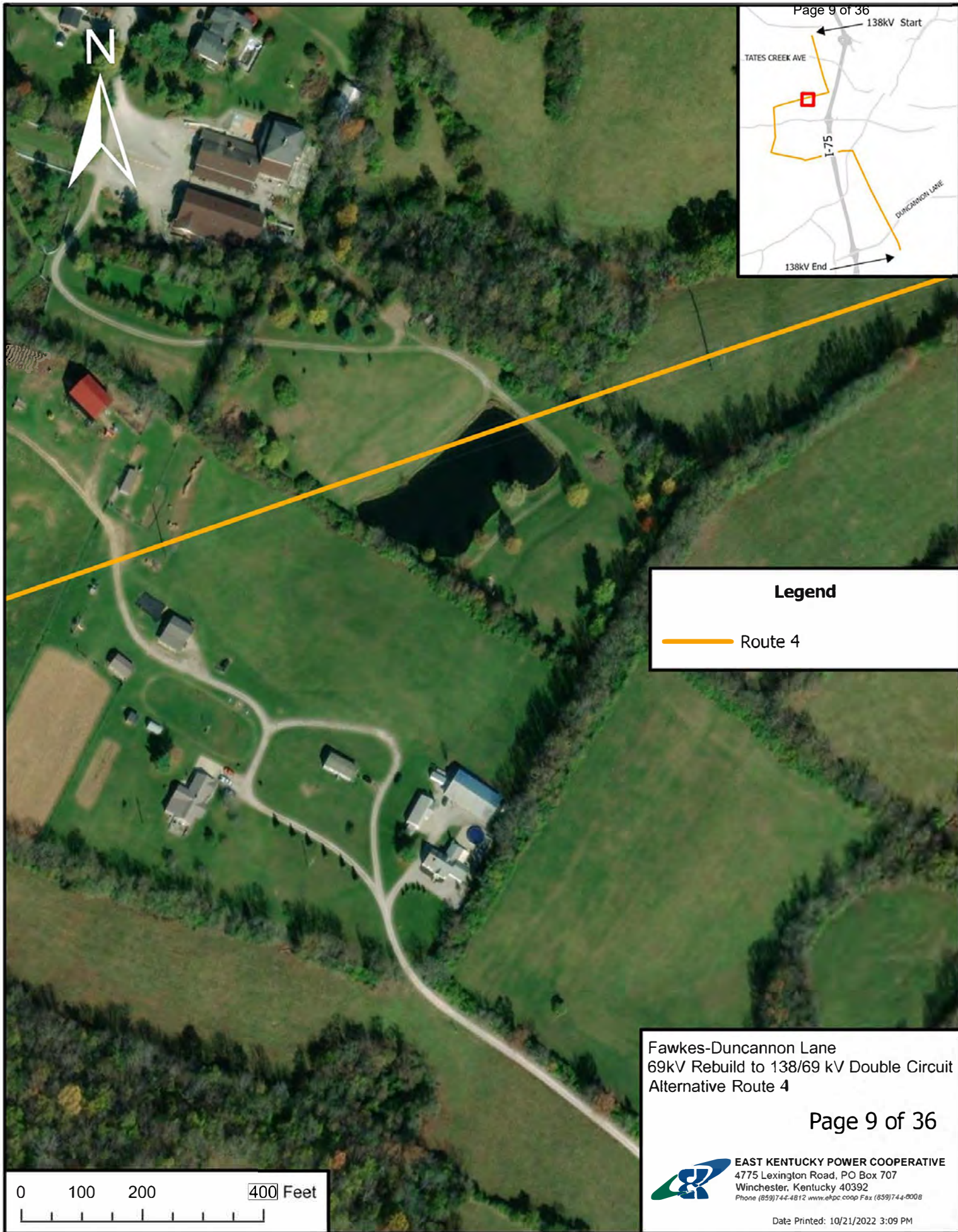
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4







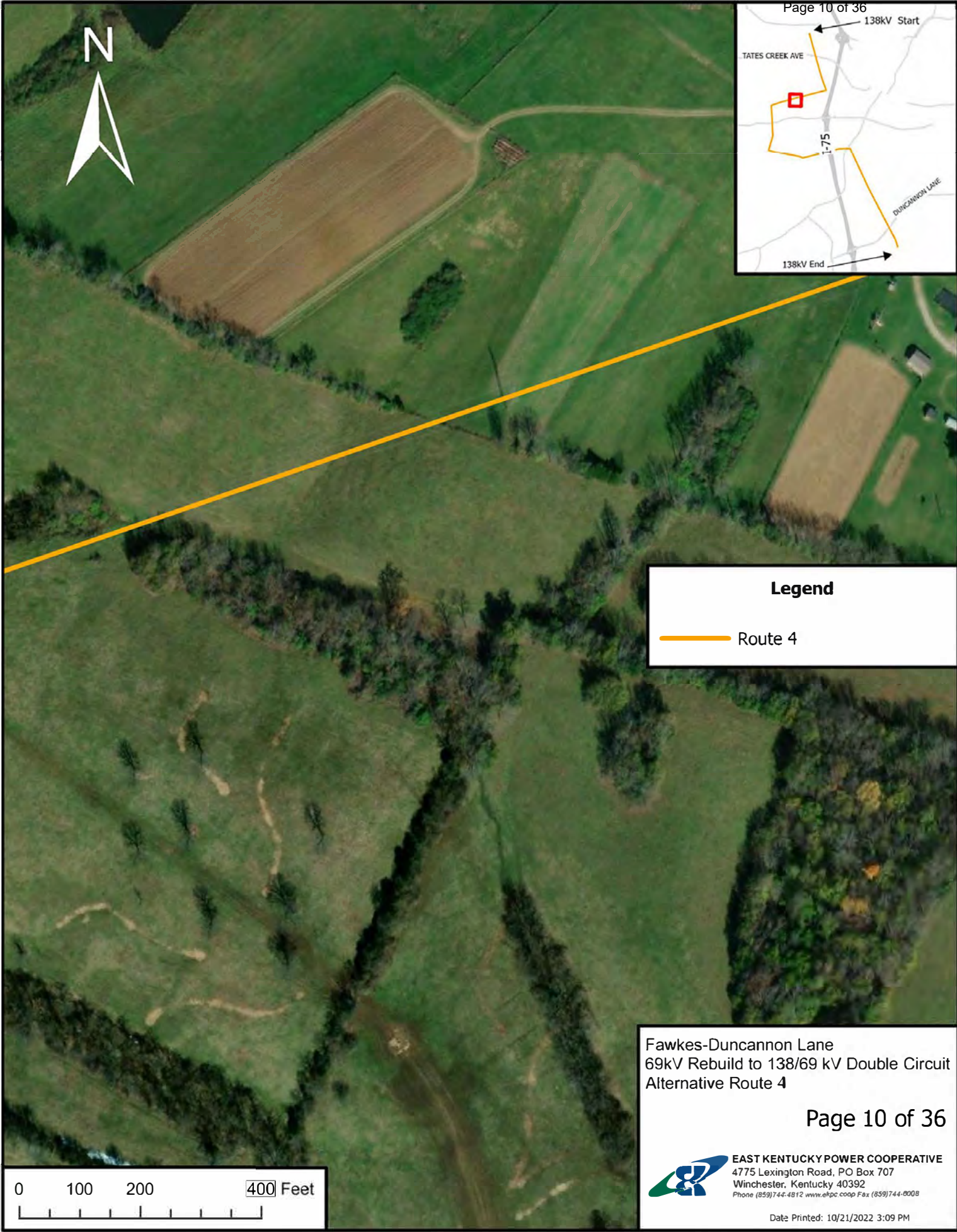
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

Maxar





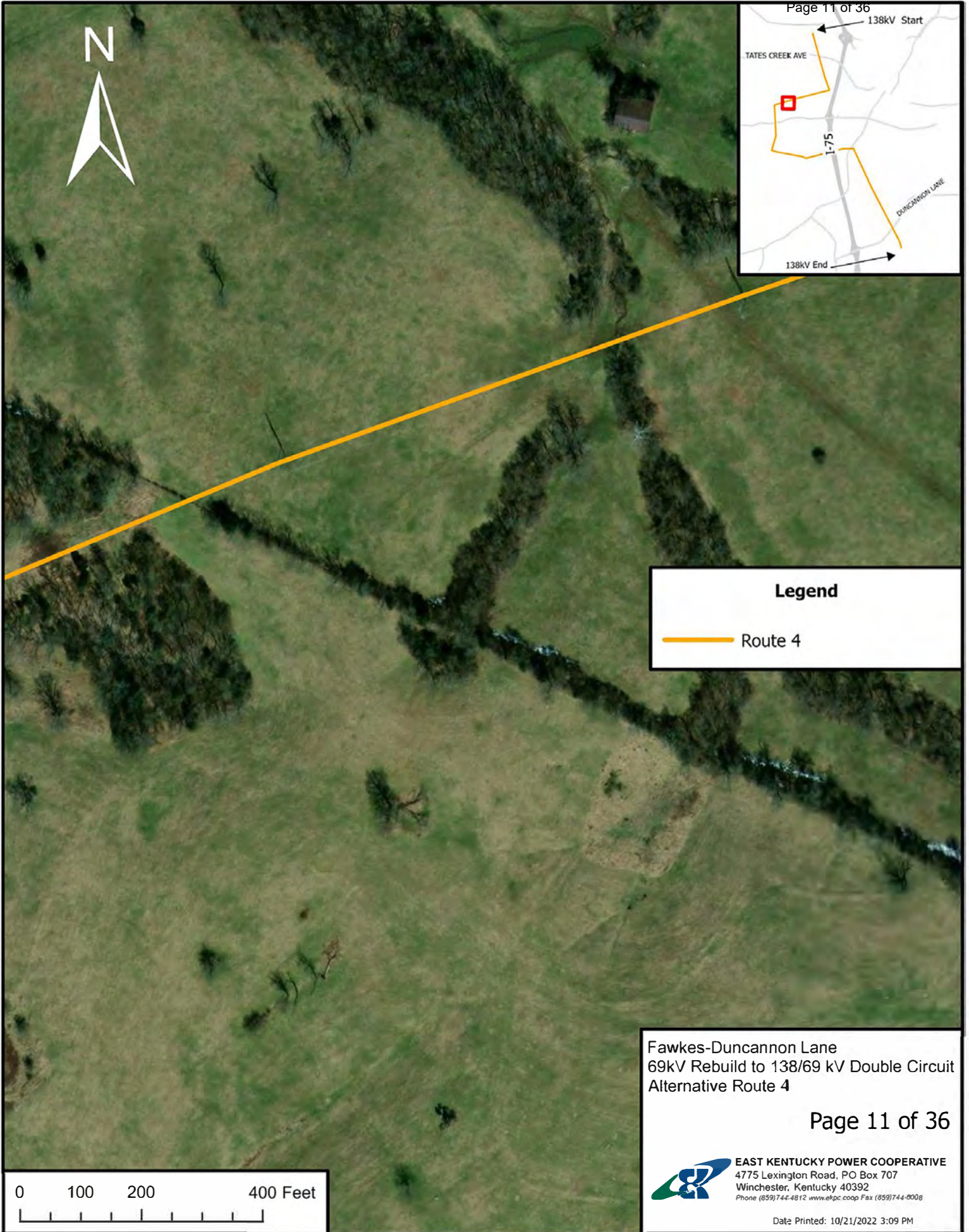
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4











**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

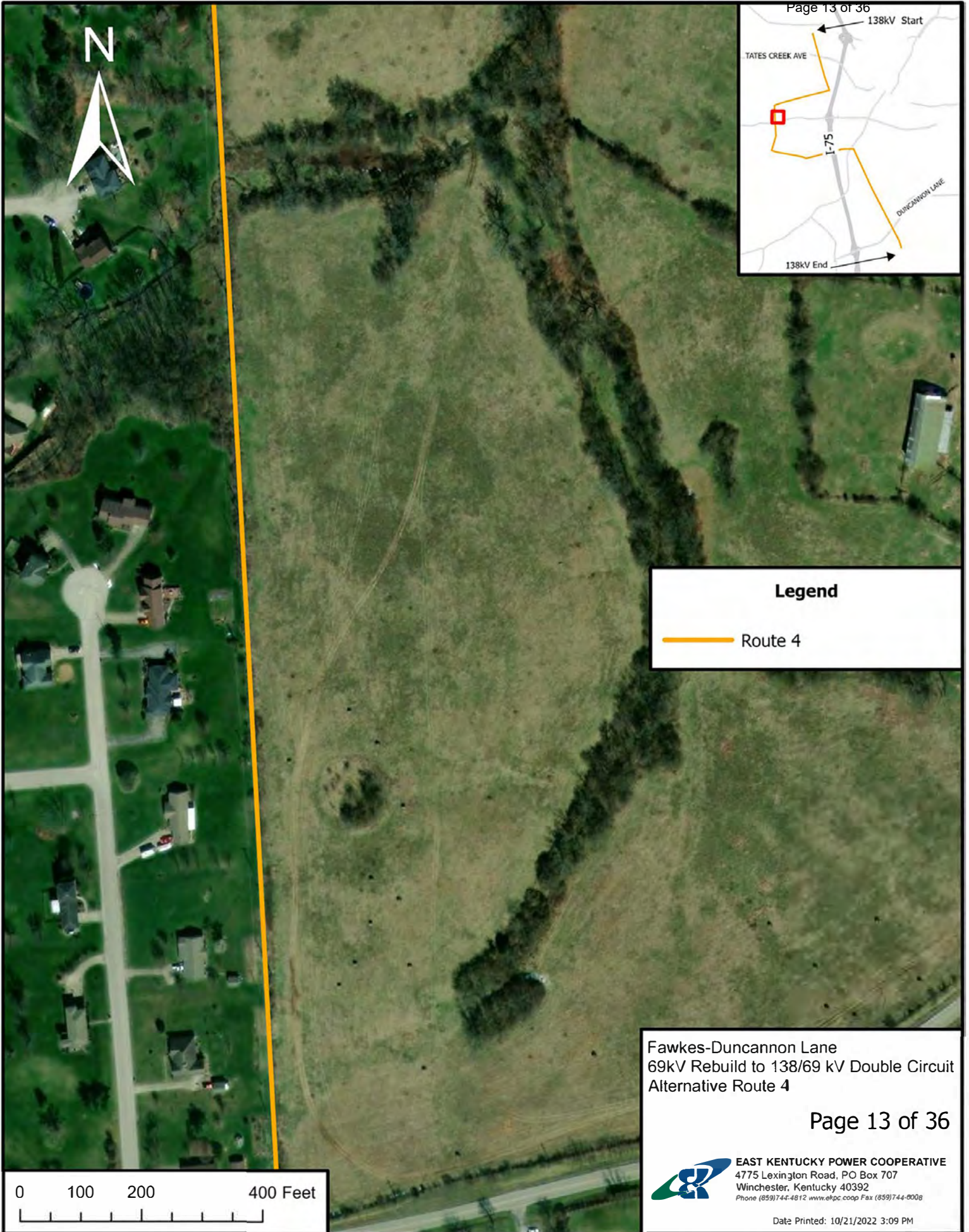
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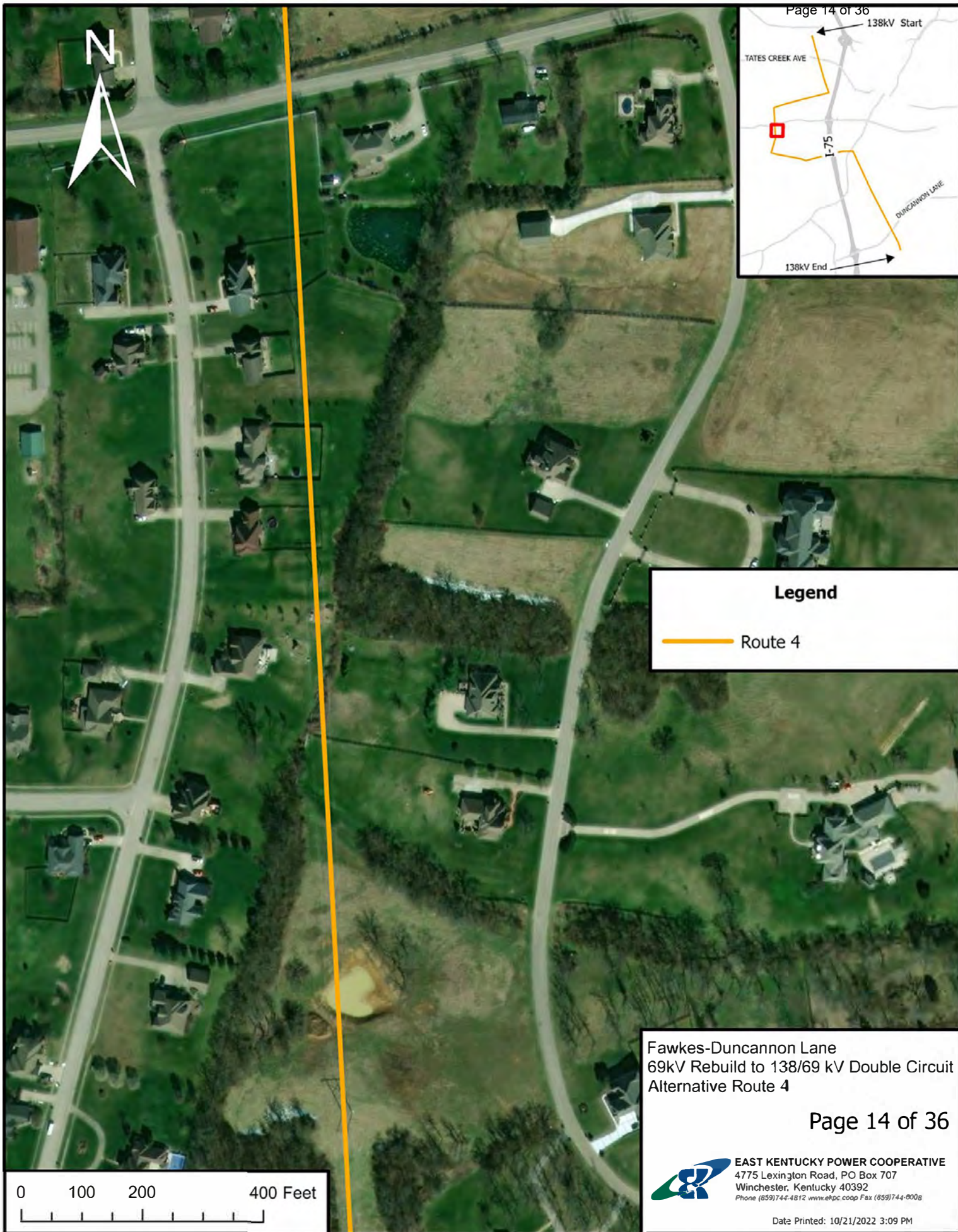
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4





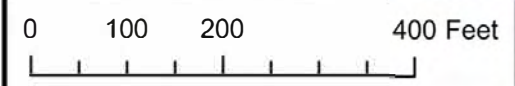


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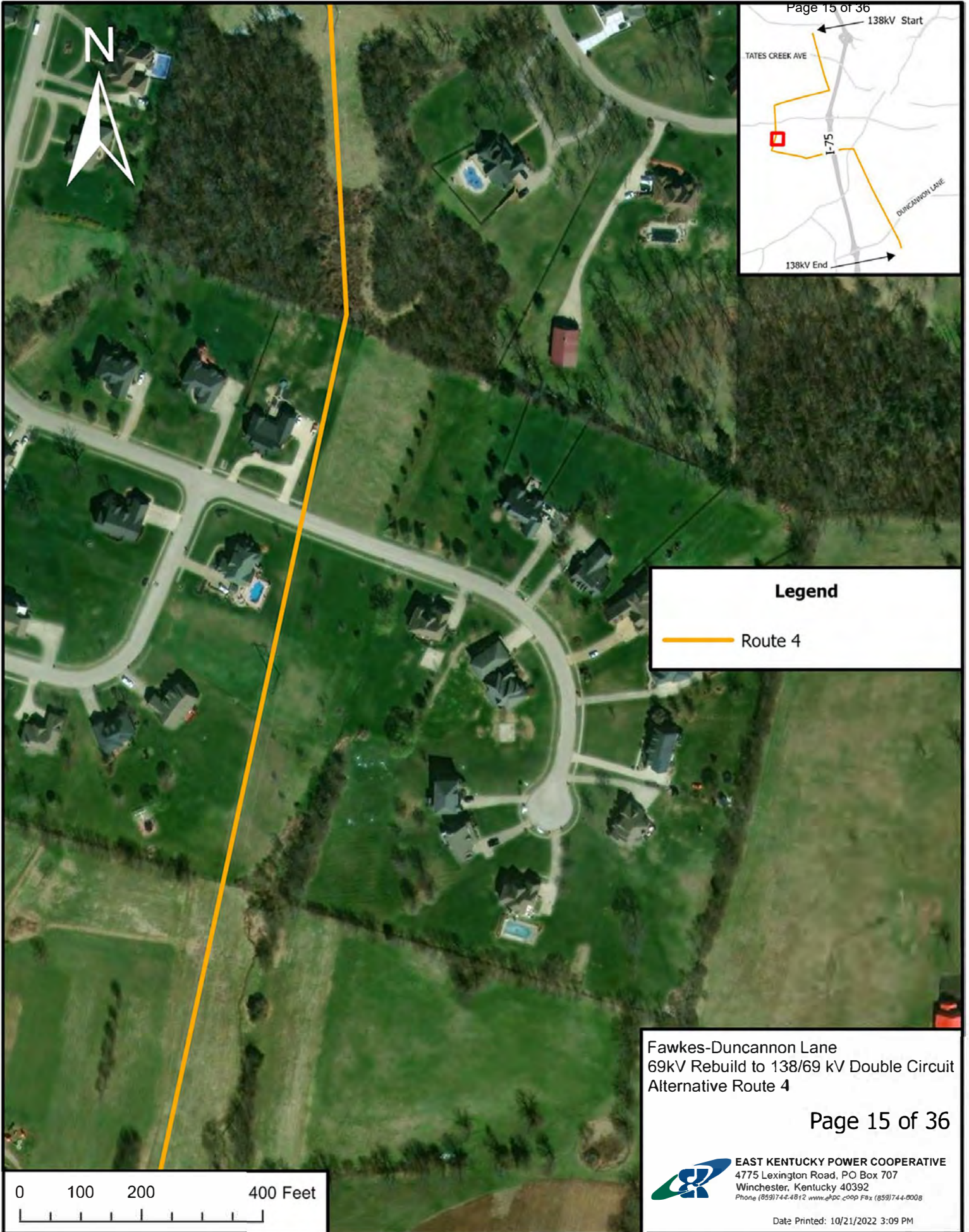
— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

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**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

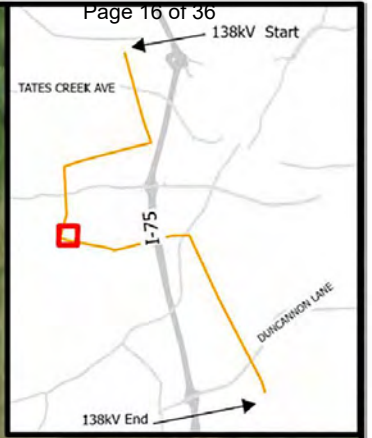
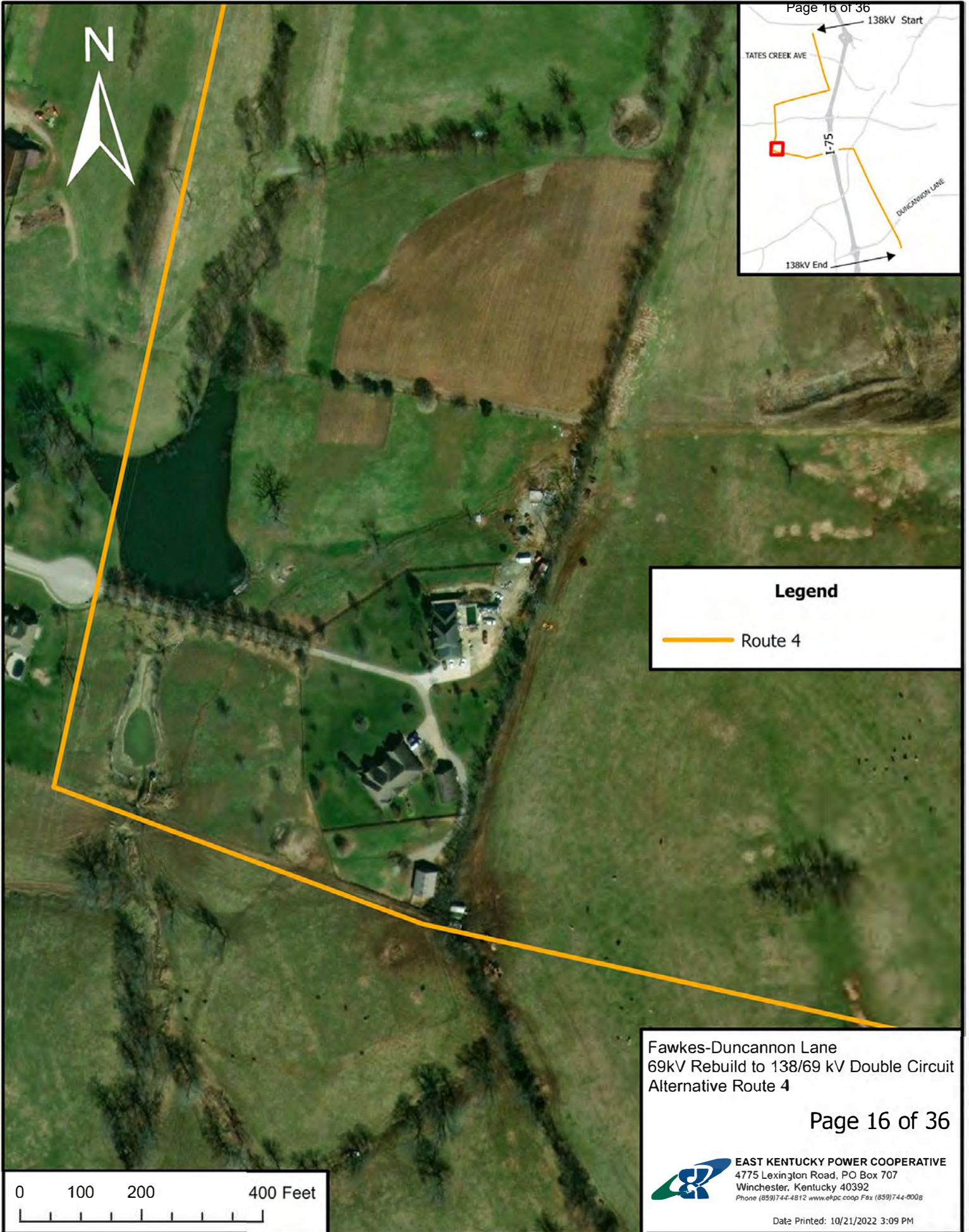
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**EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
Winchester, Kentucky 40392  
Phone (859)744-4812 www.ekpc.coop Fax (859)744-8008

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**Legend**

— Route 4

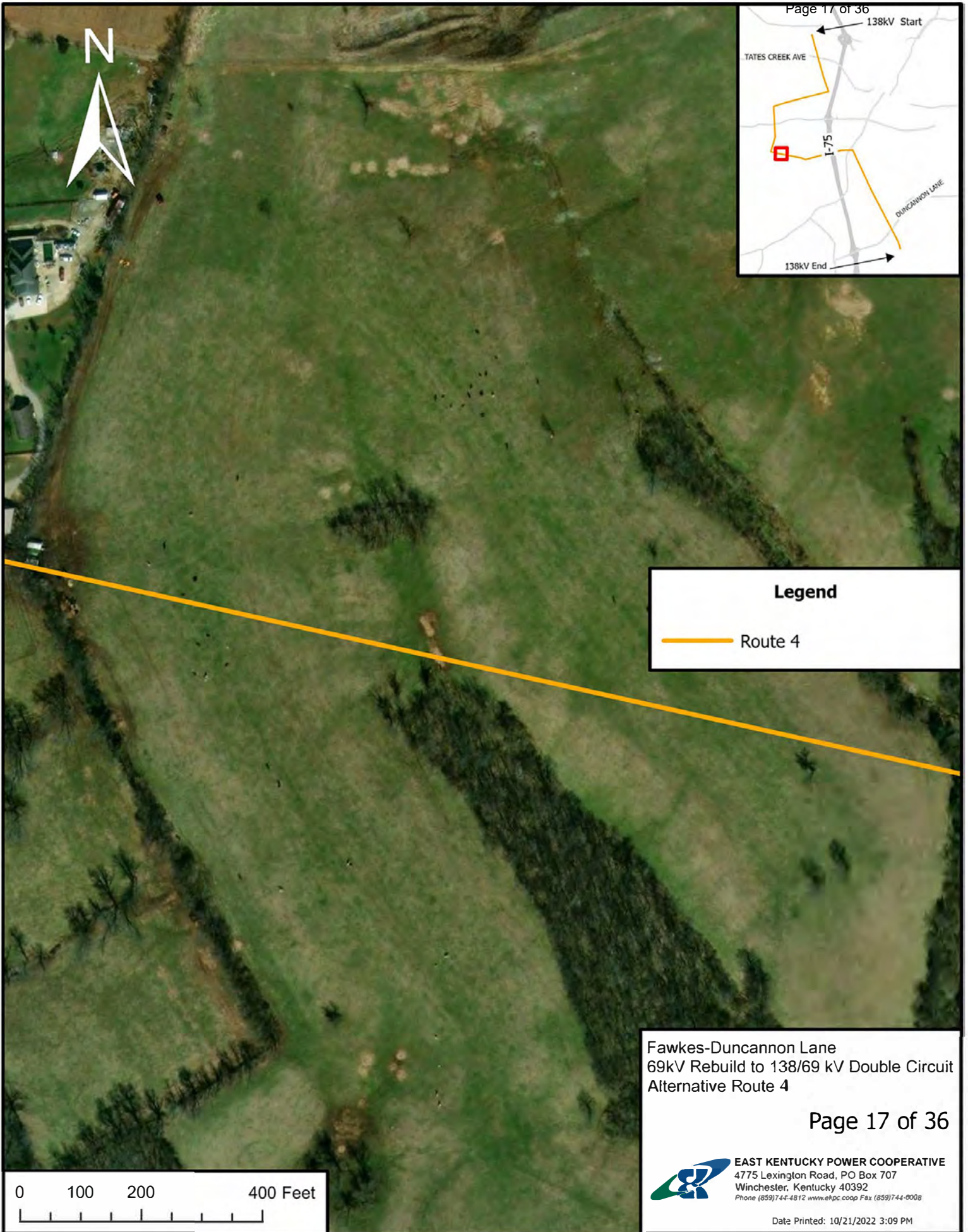
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



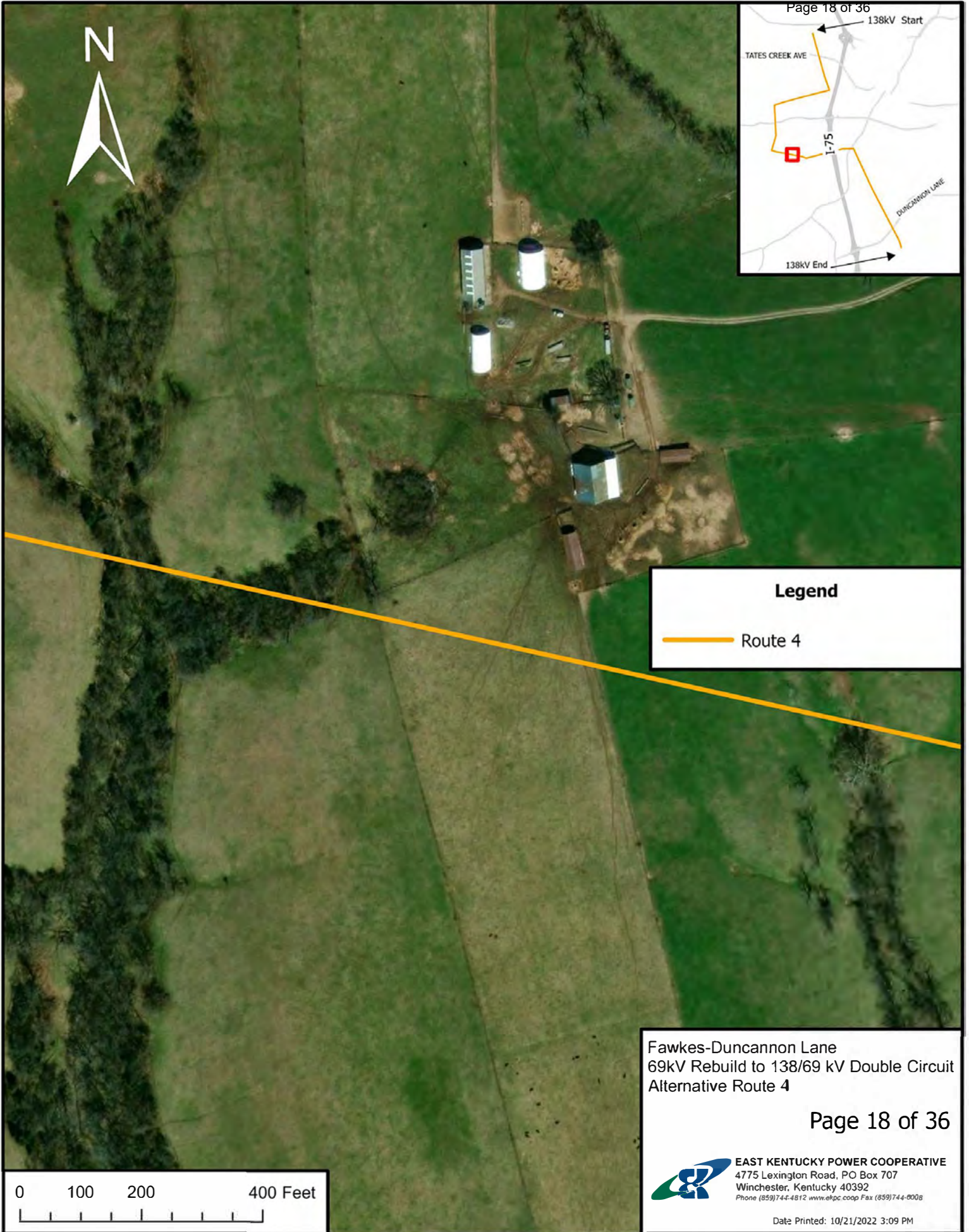
**EAST KENTUCKY POWER COOPERATIVE**  
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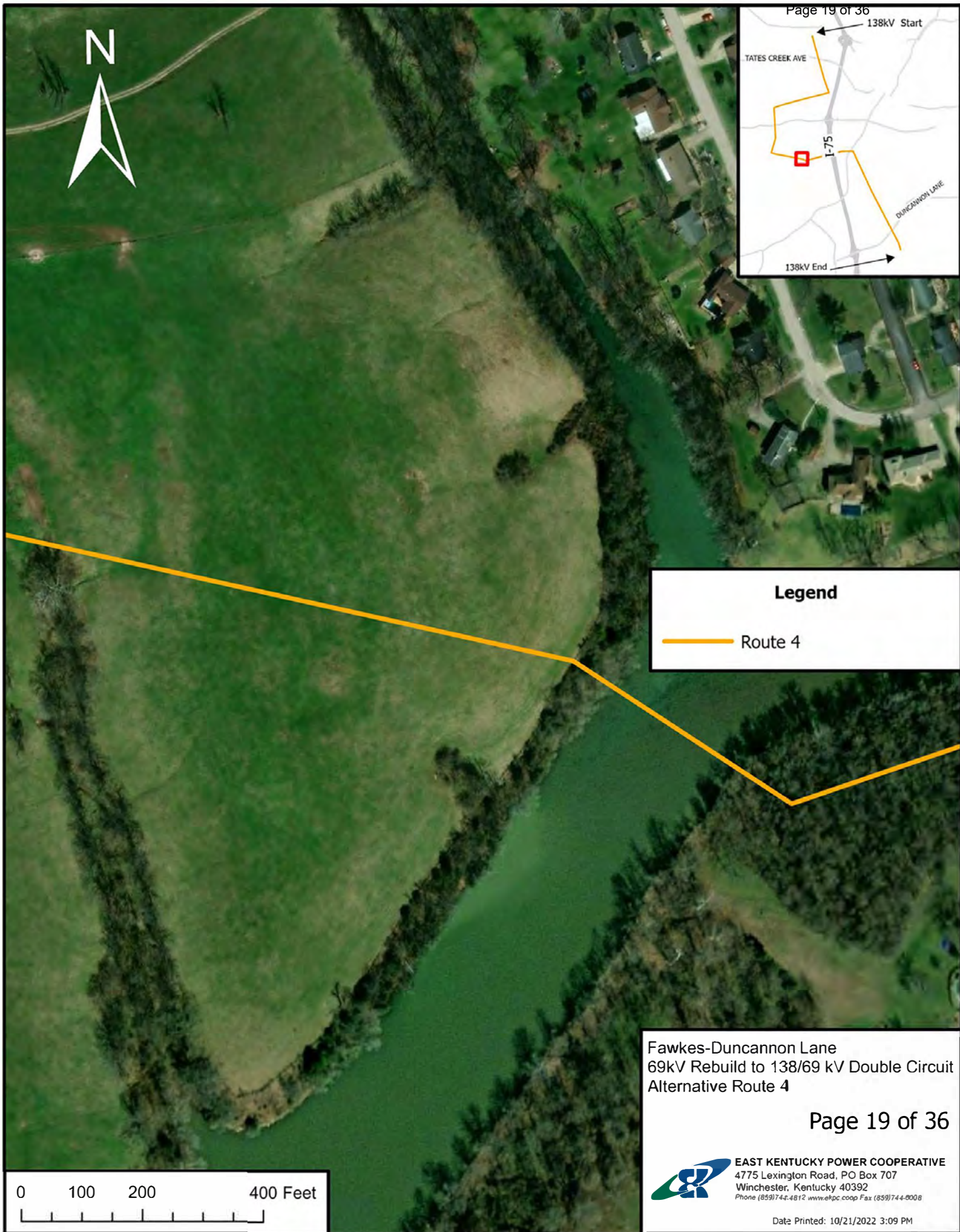








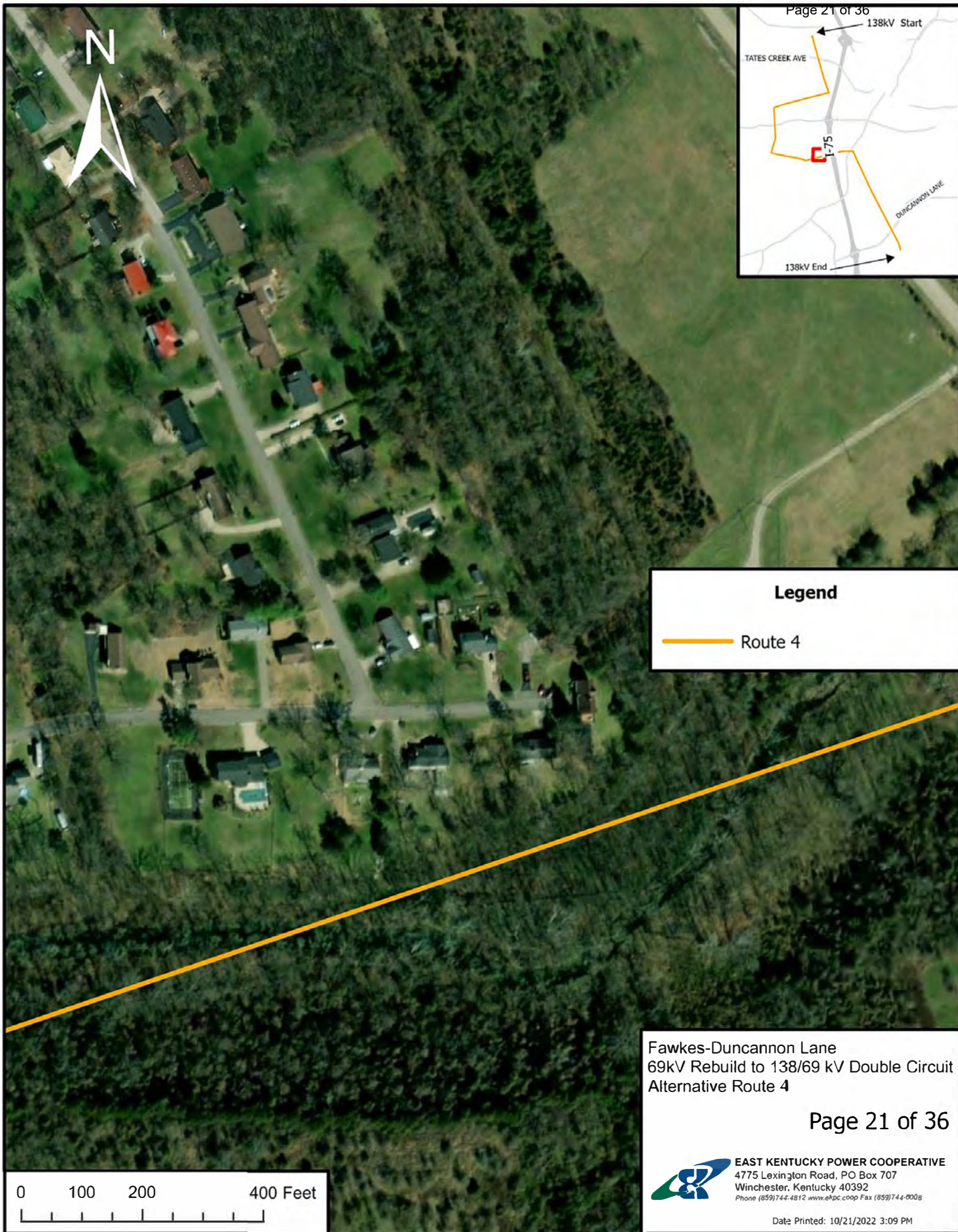












**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



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**Legend**

— Route 4

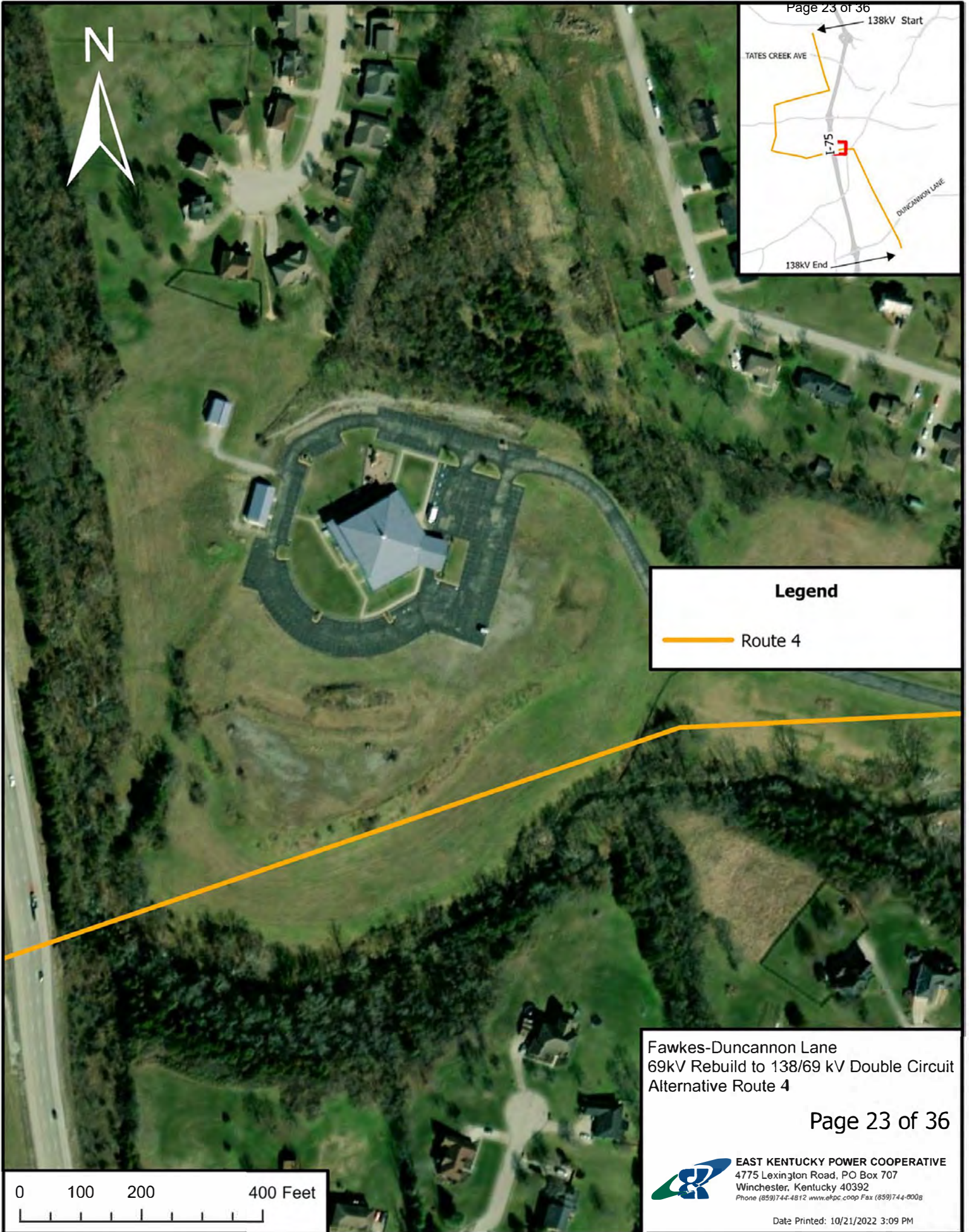
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



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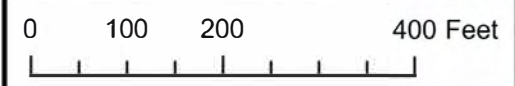




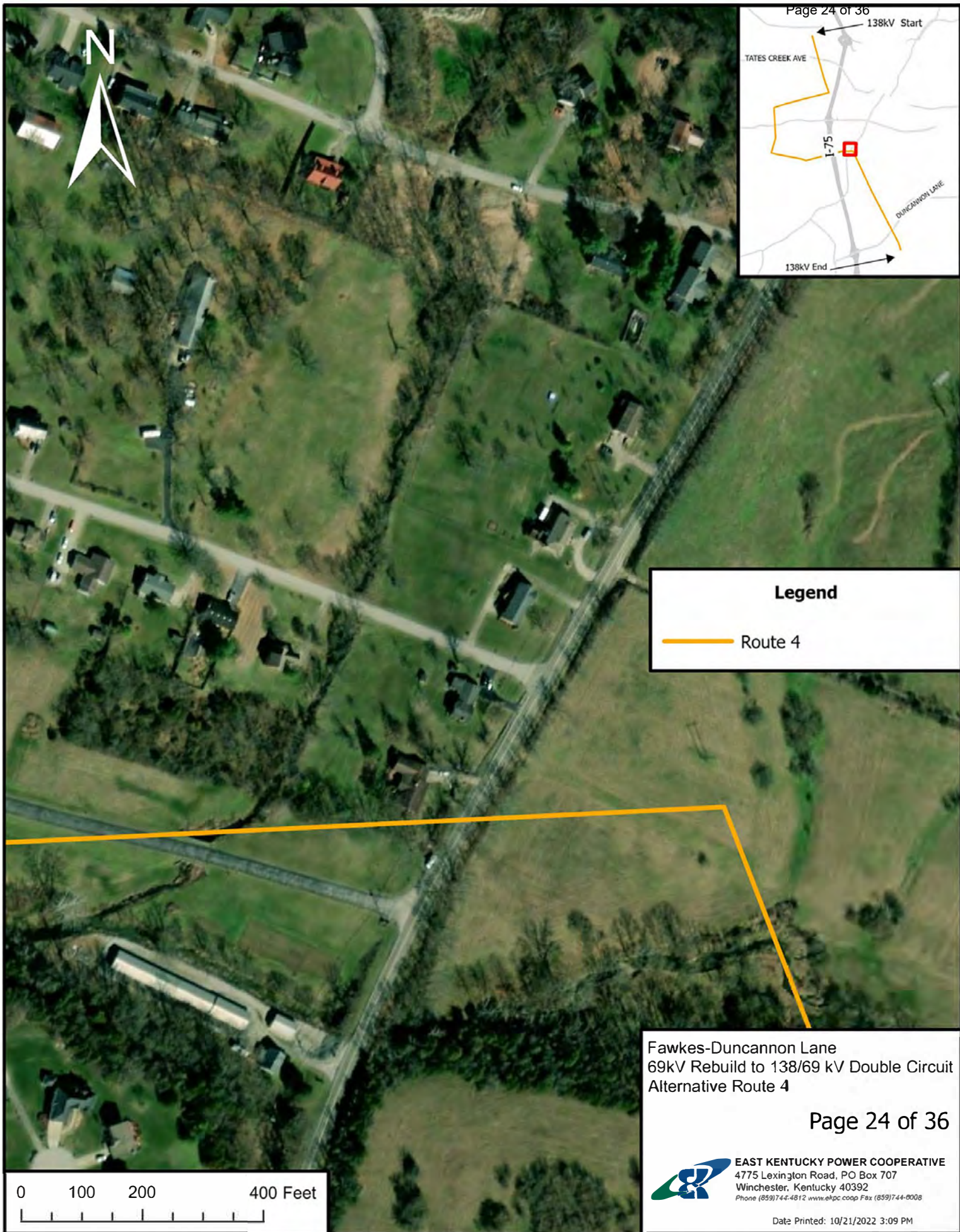
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



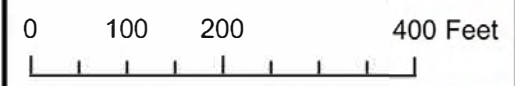




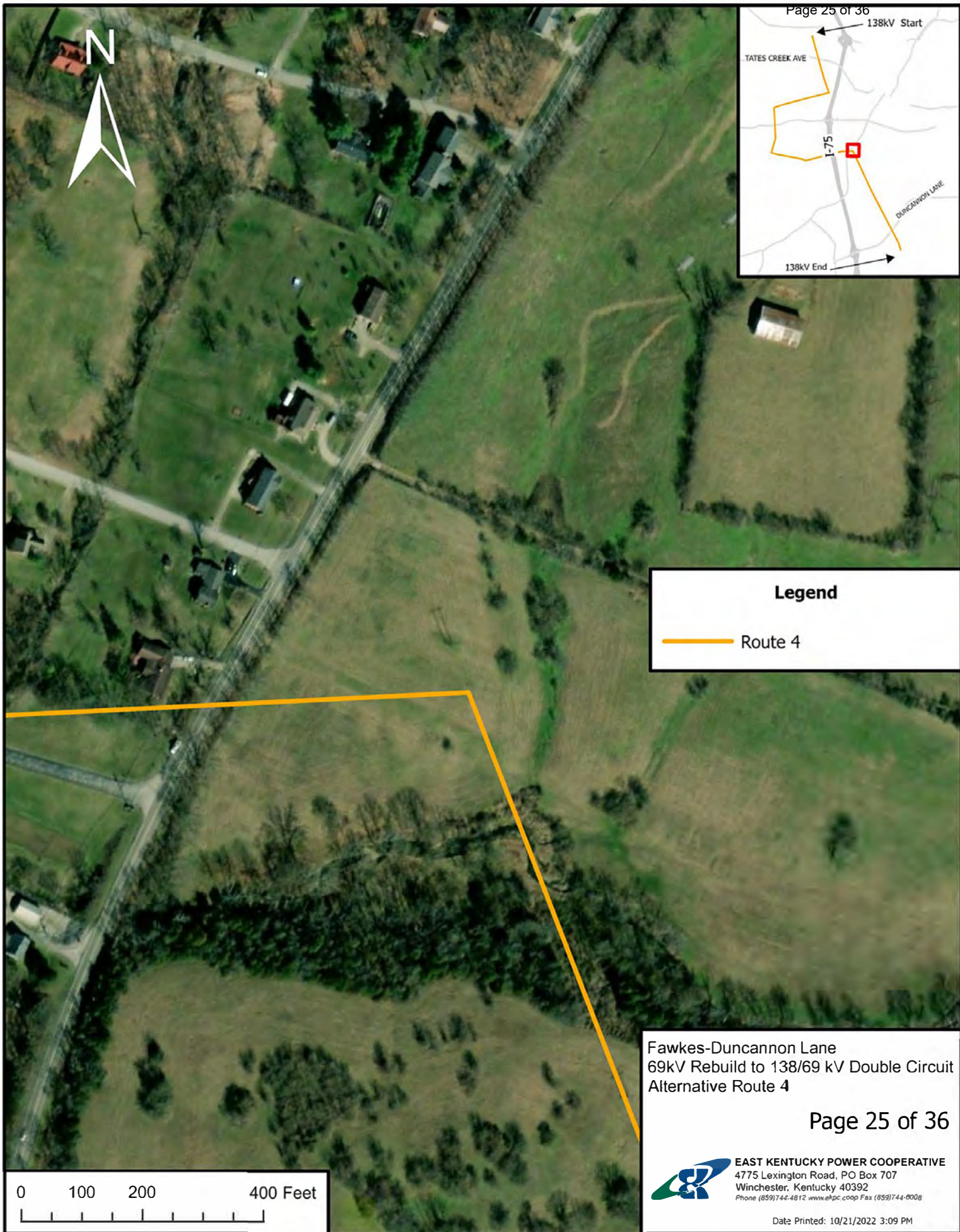
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4





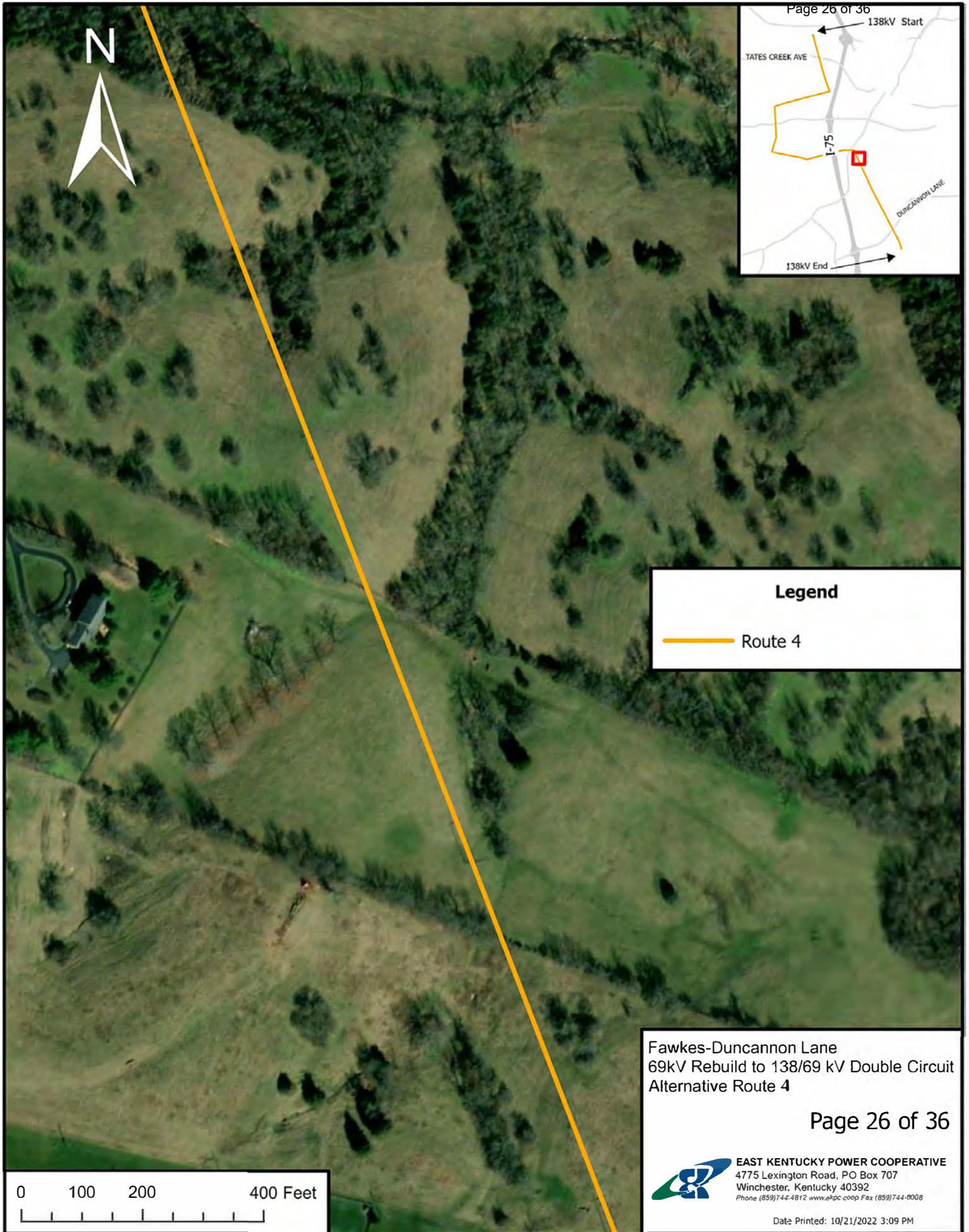


**Legend**

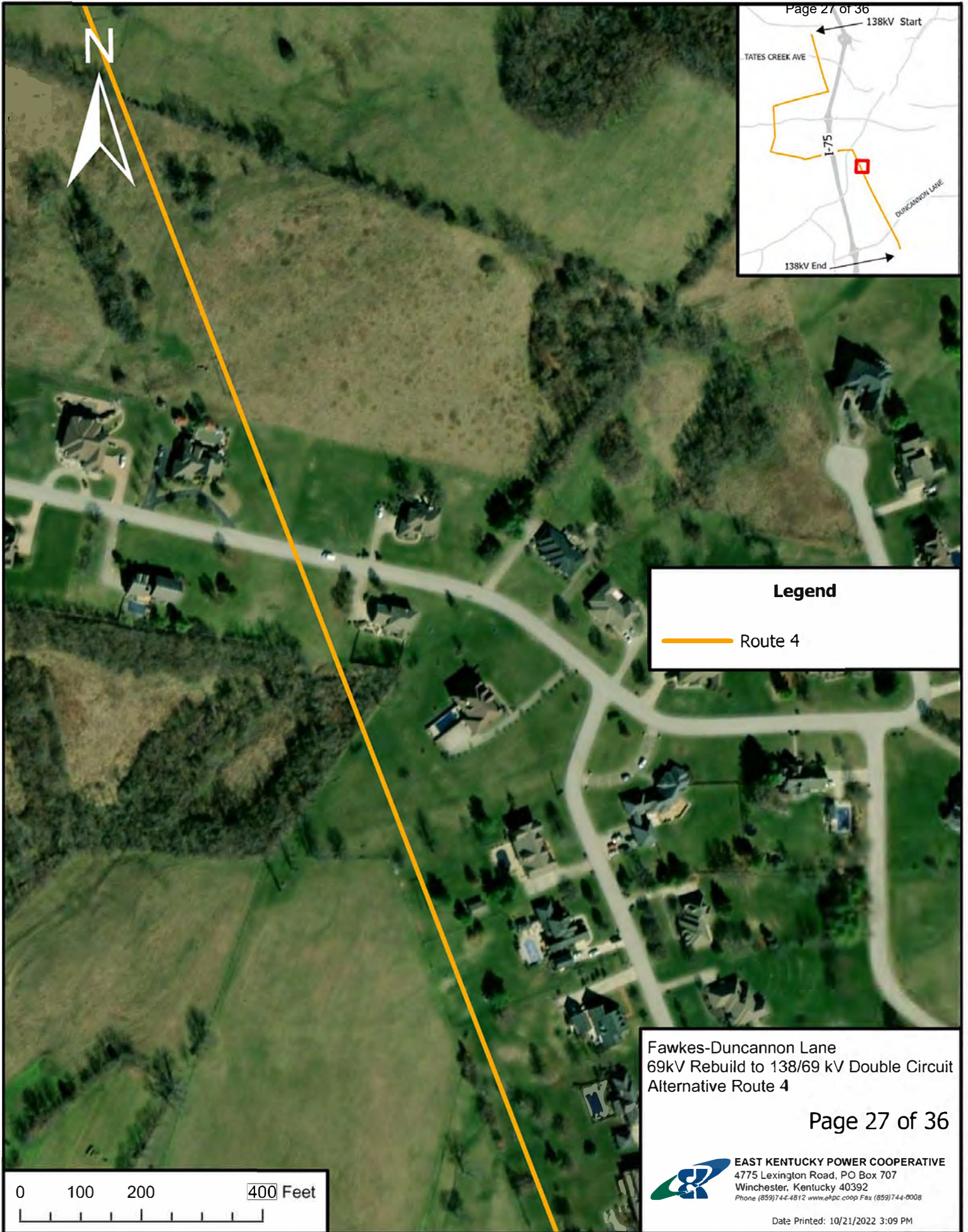
— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4







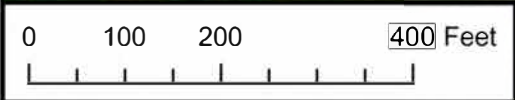


**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

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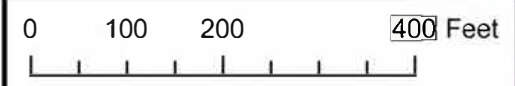




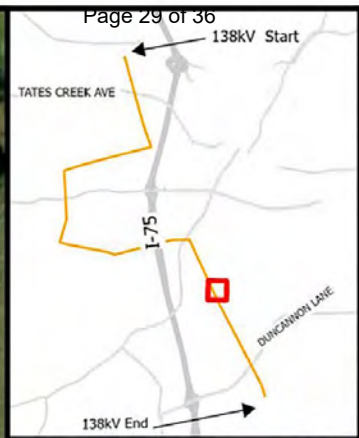
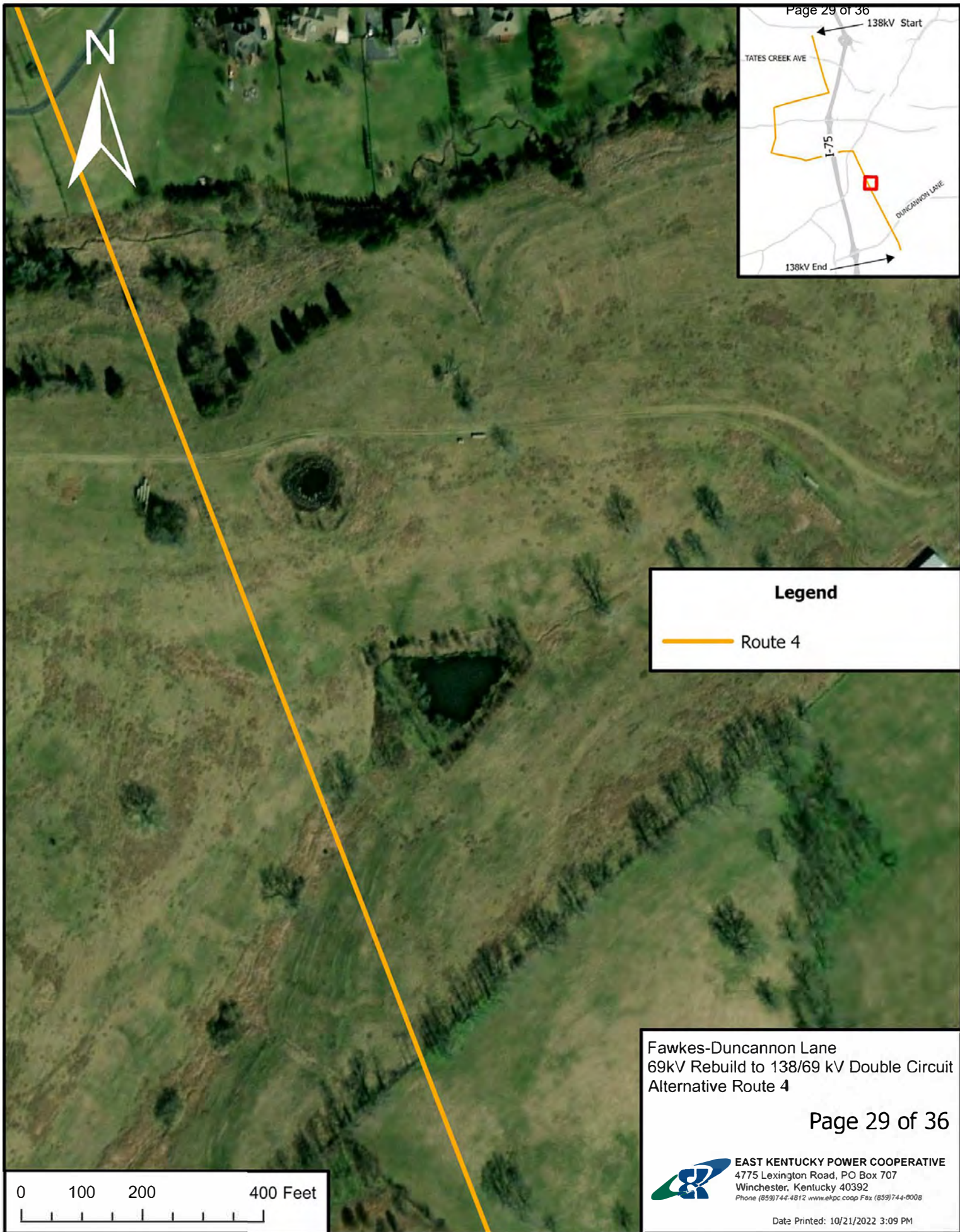
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



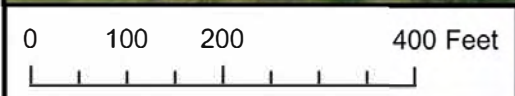




**Legend**

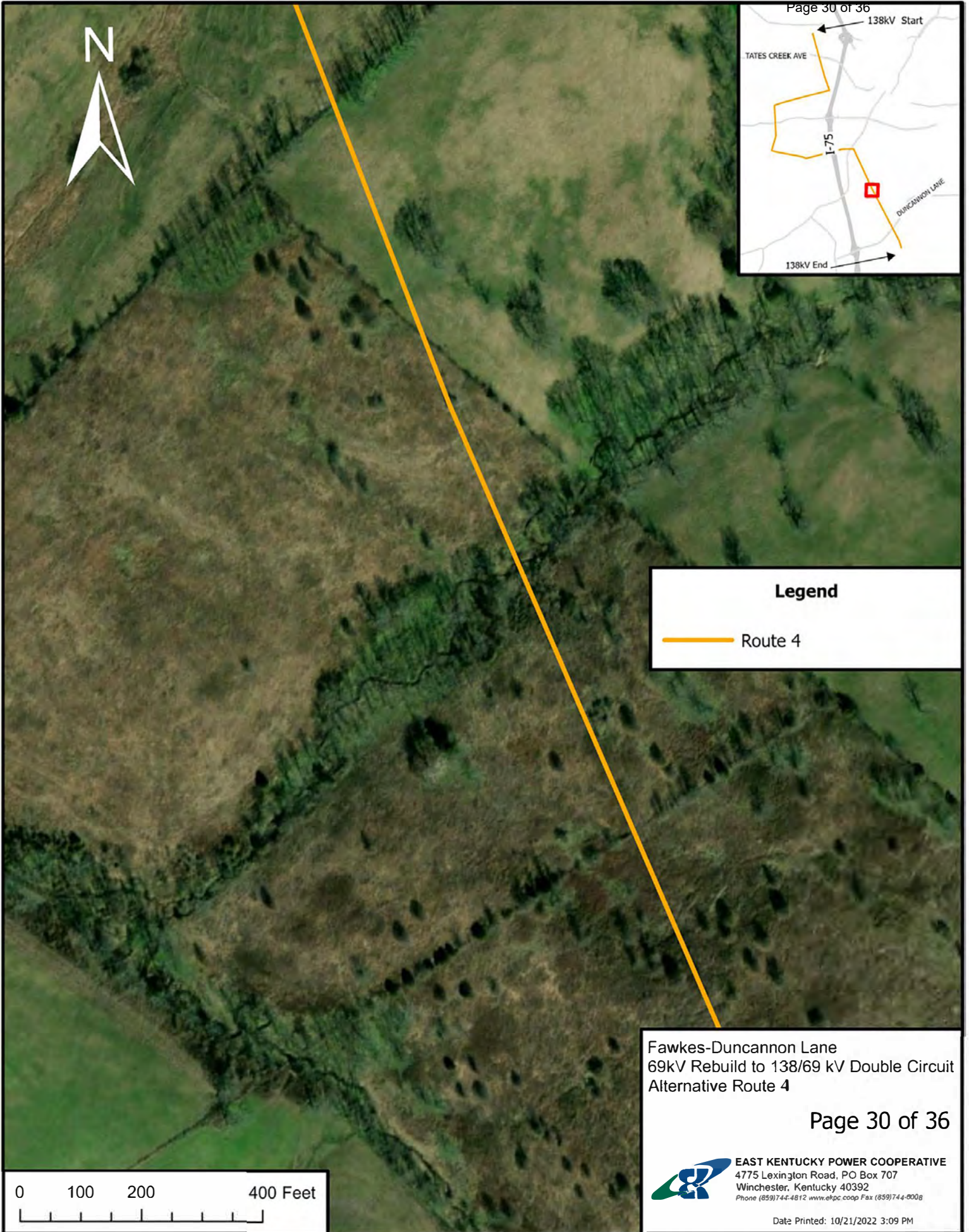
— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

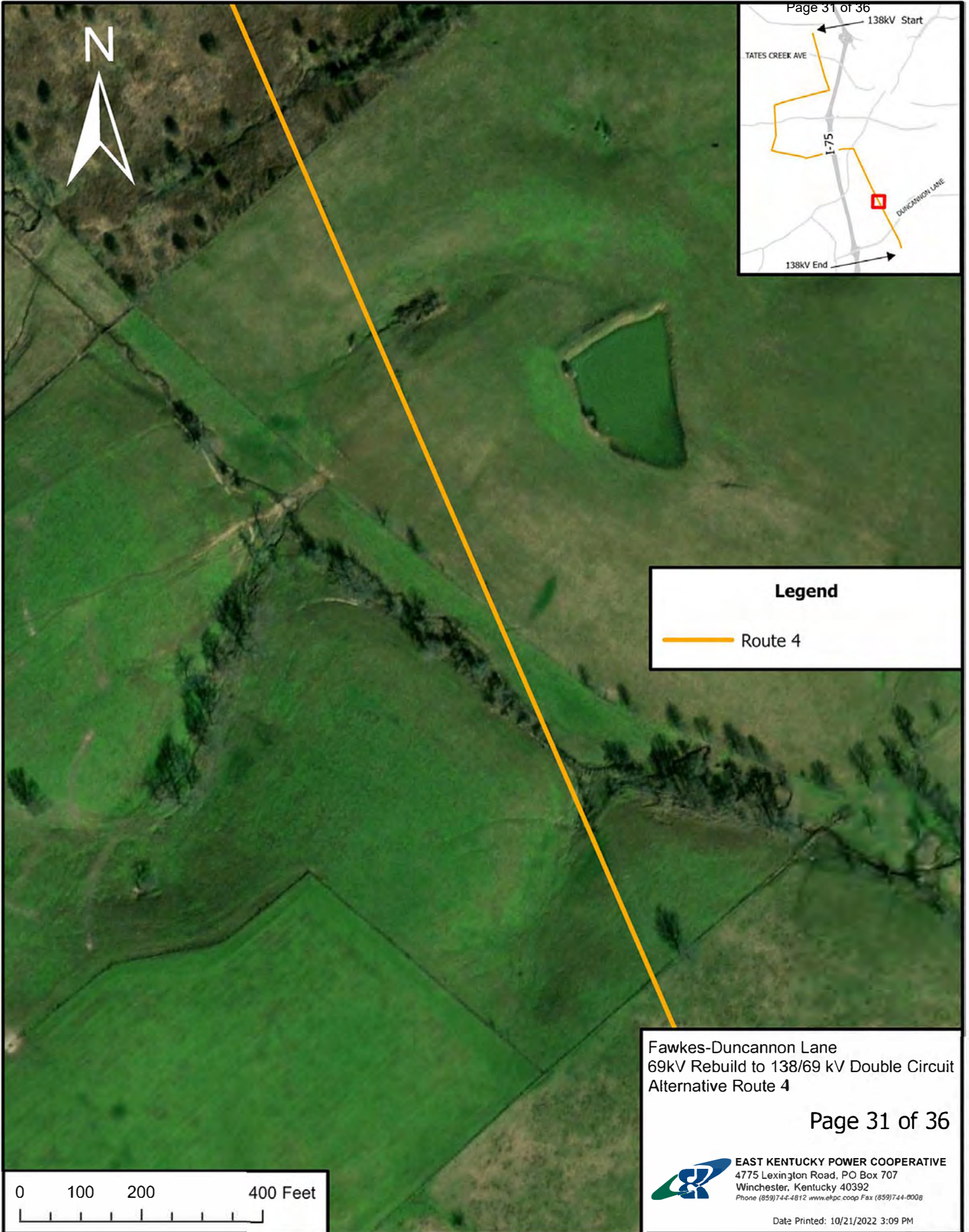


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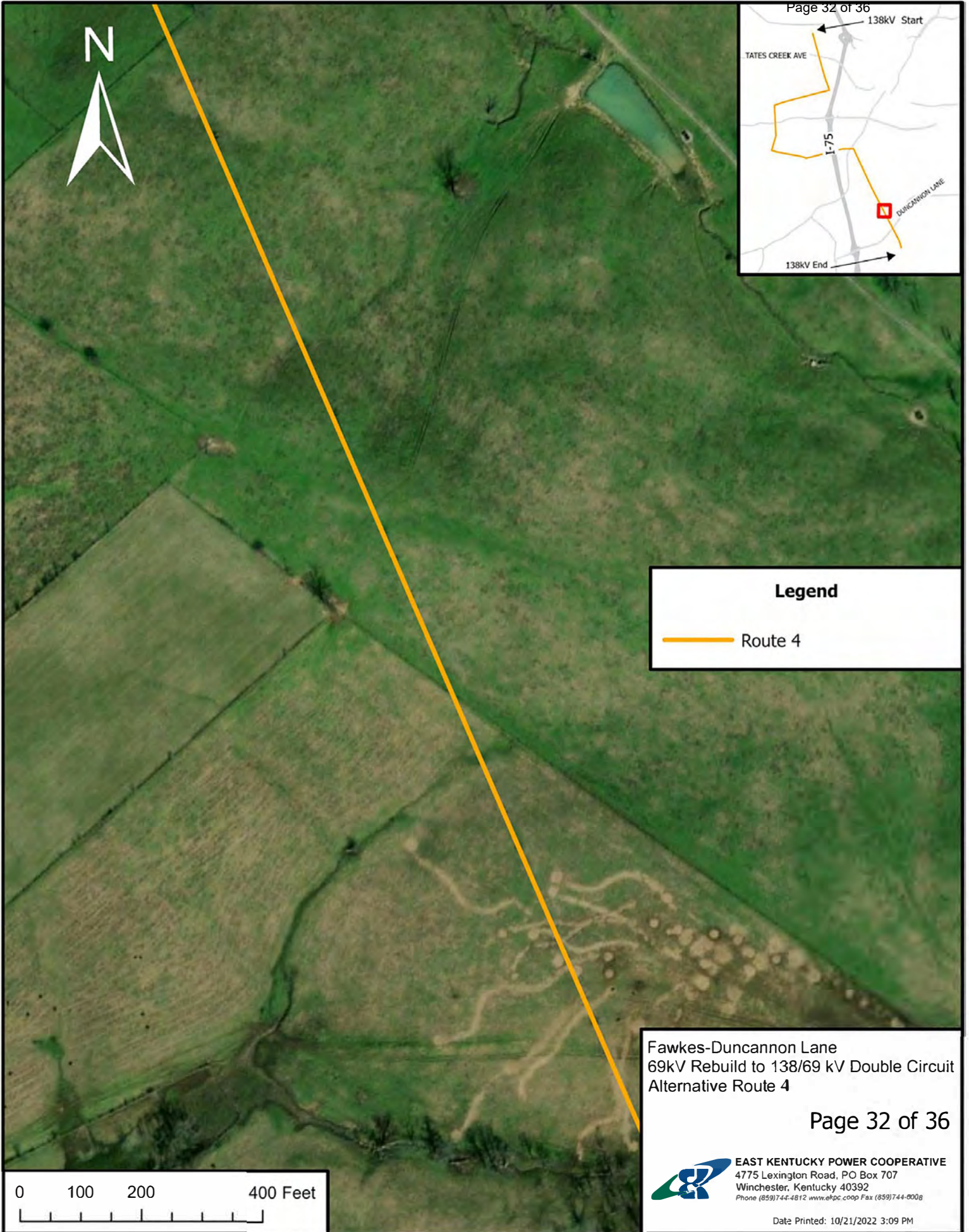
**Legend**

— Route 4

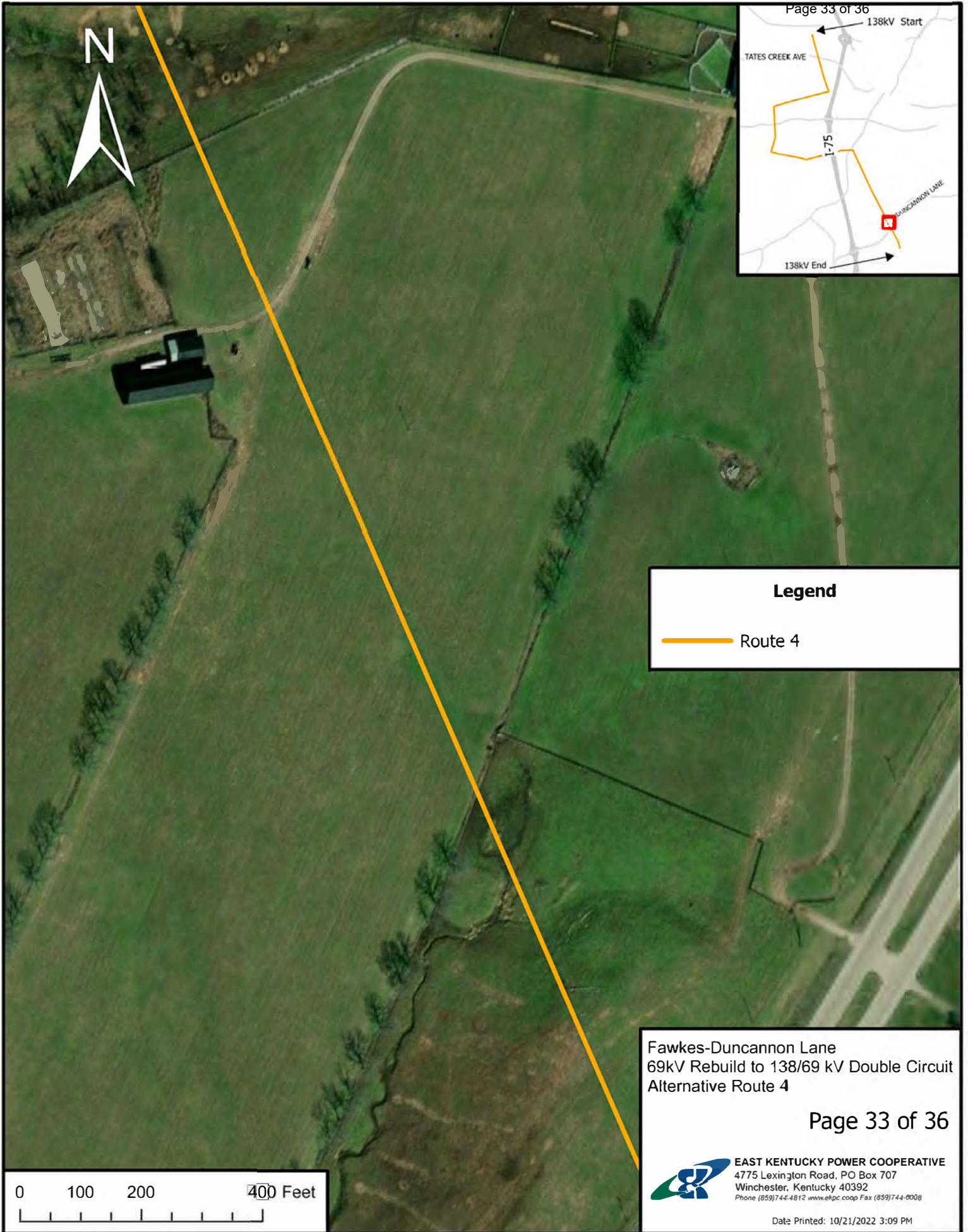
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4



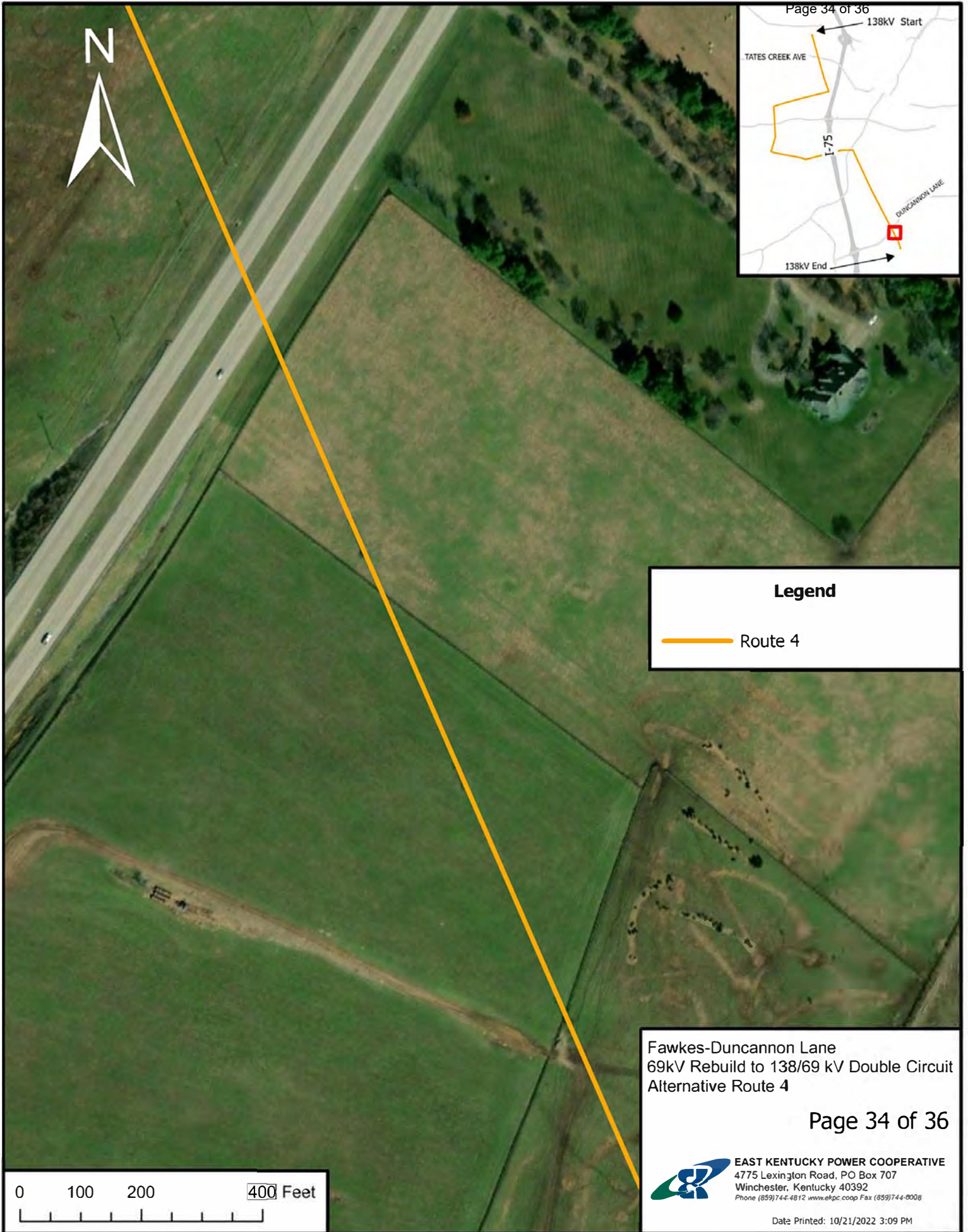












**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

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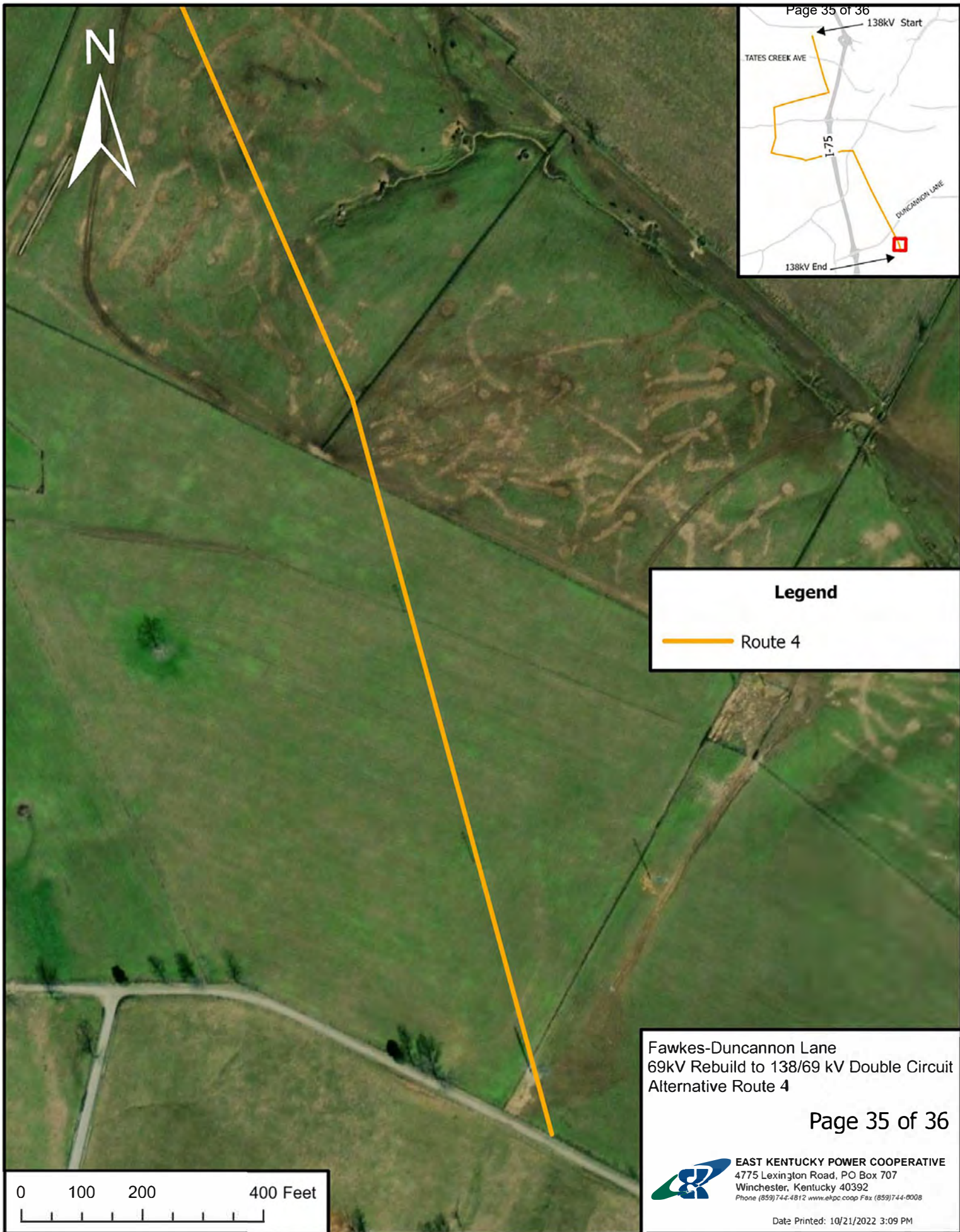


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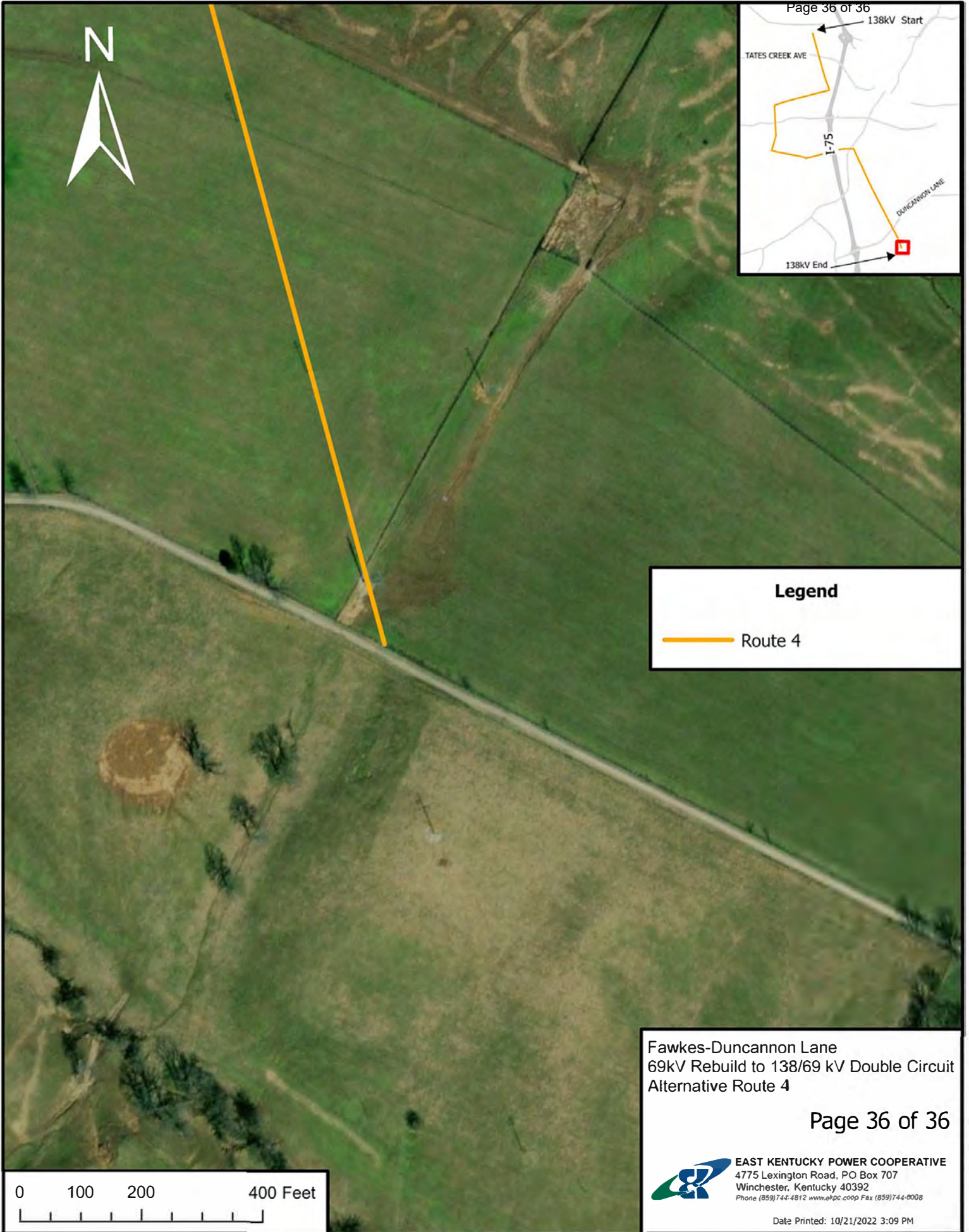
**Legend**

— Route 4

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4







**Legend**

— Route 4

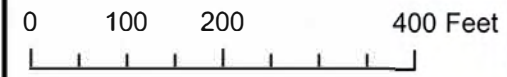
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 4

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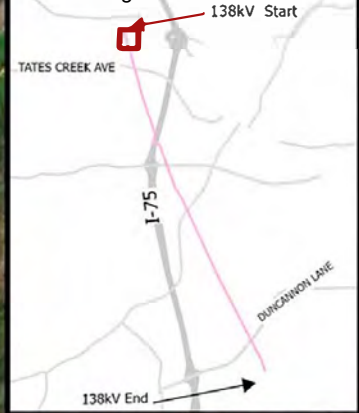
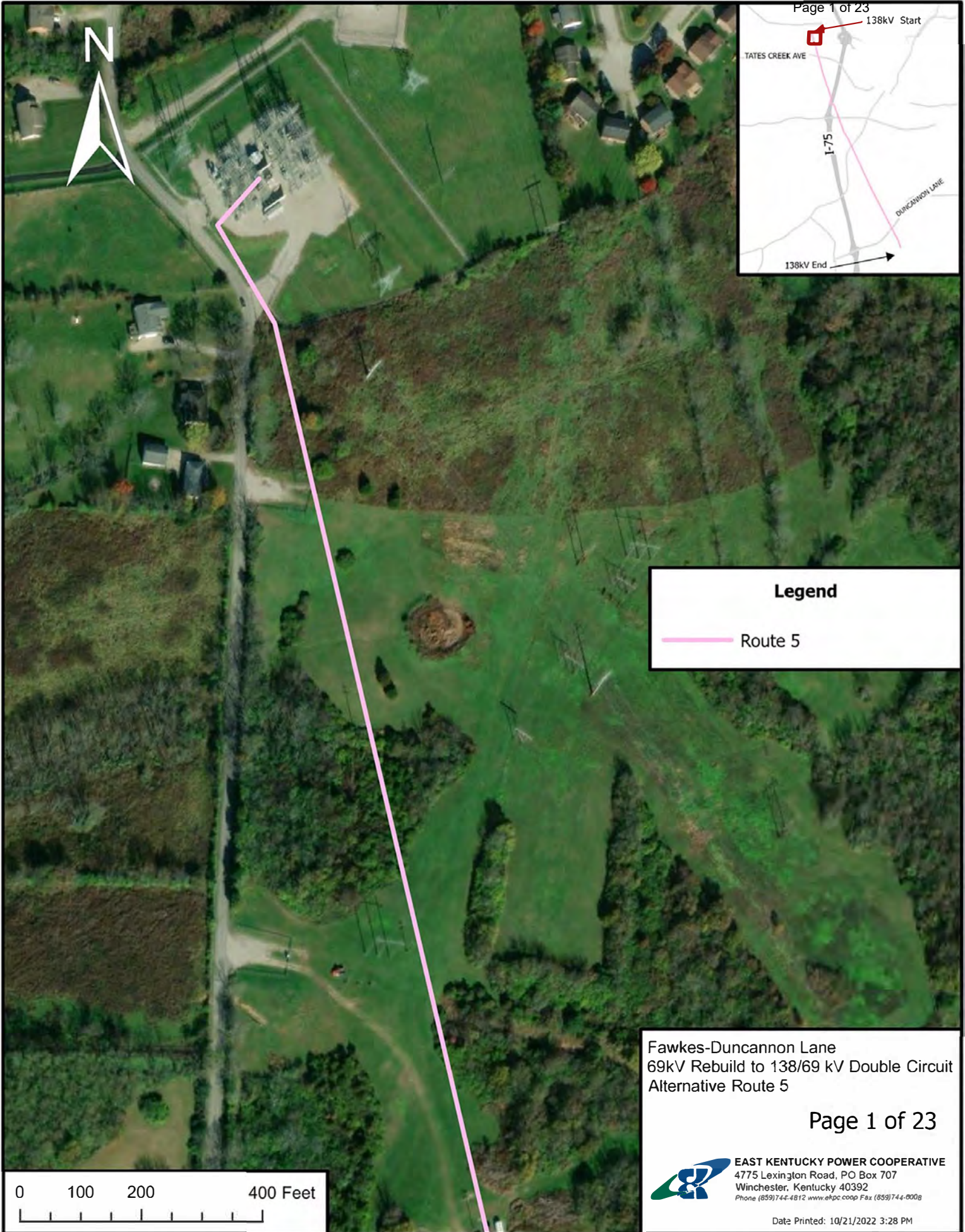
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**EXHIBIT 8**  
**ALTERNATE ROUTE MAP**





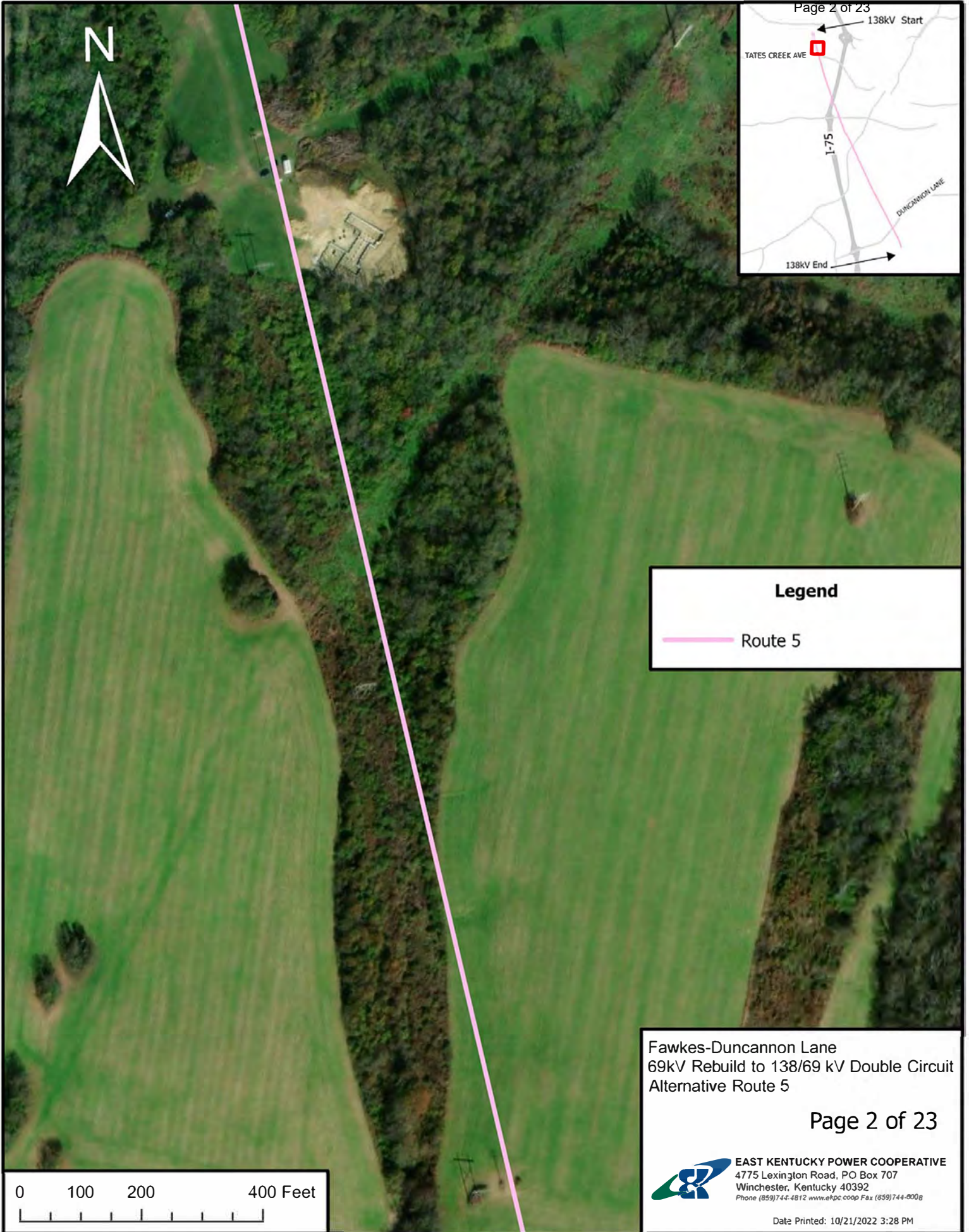
**Legend**

— Route 5

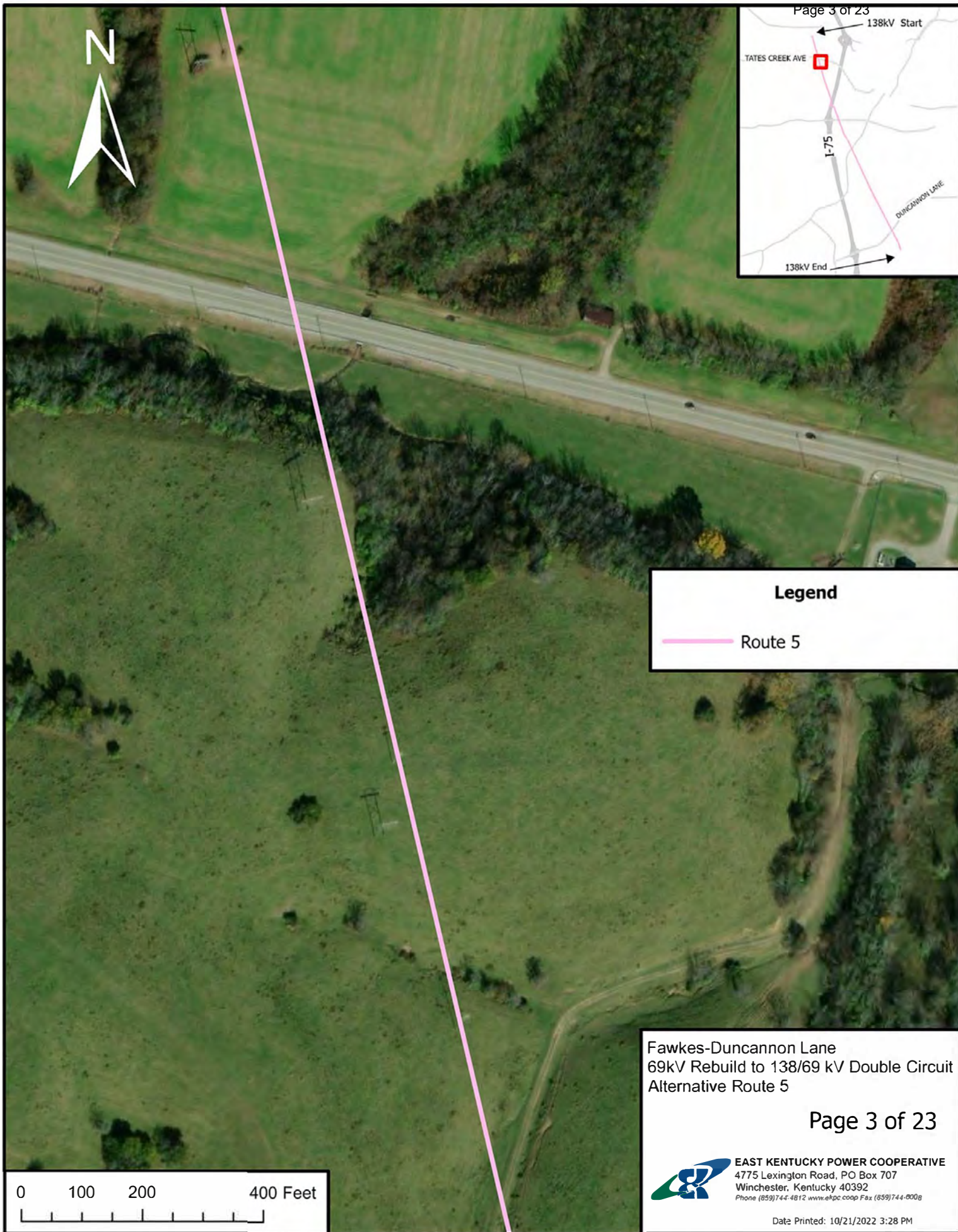
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5











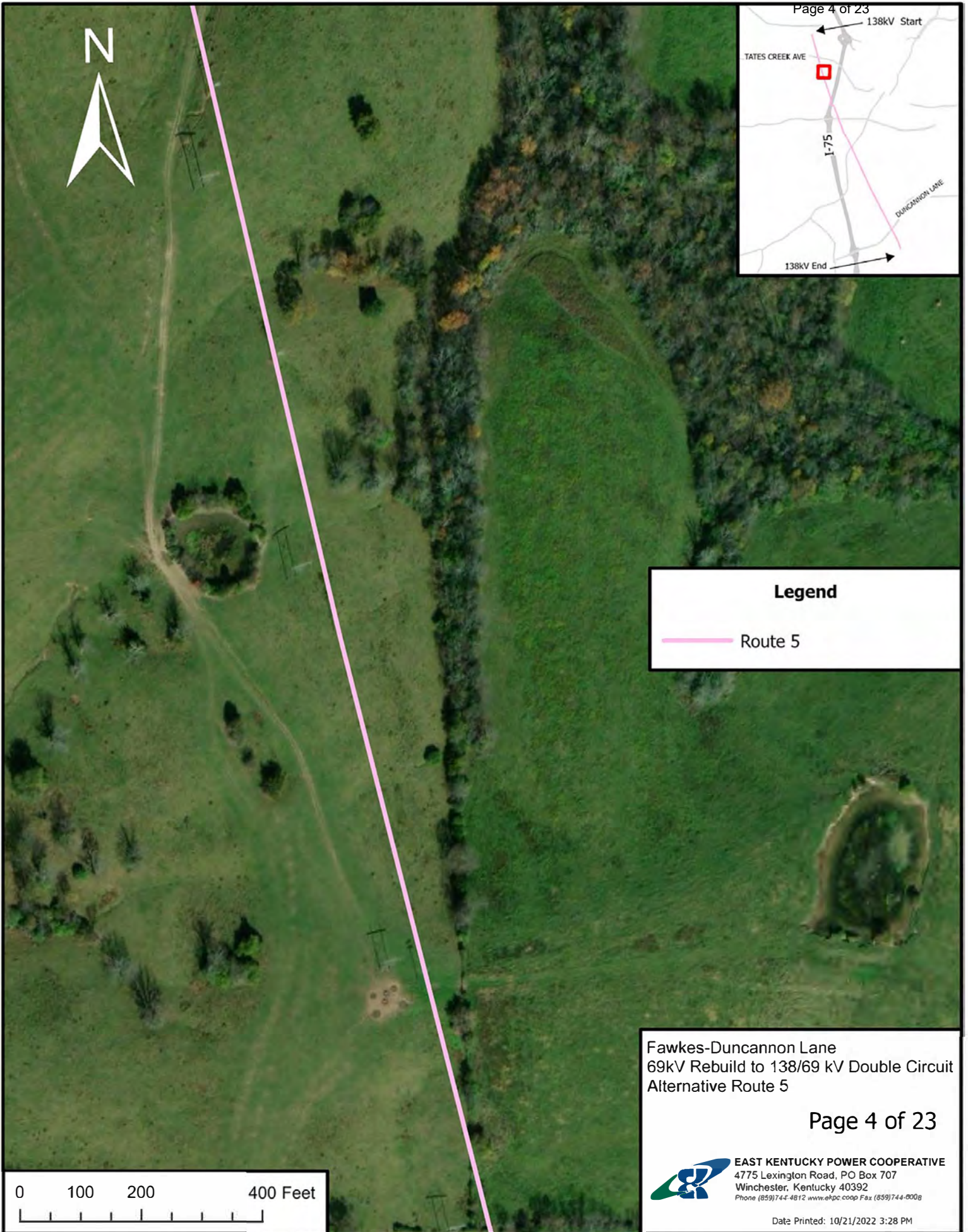
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5







**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5



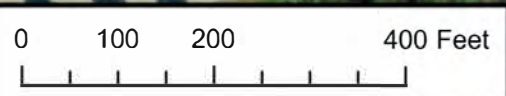




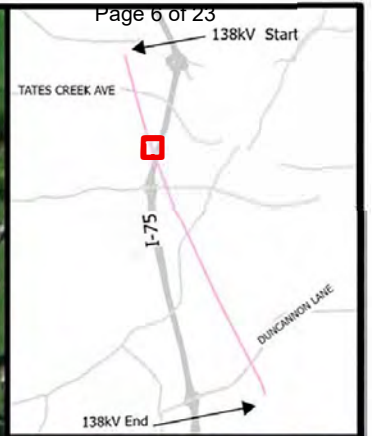
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5



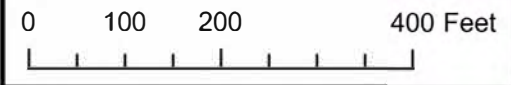




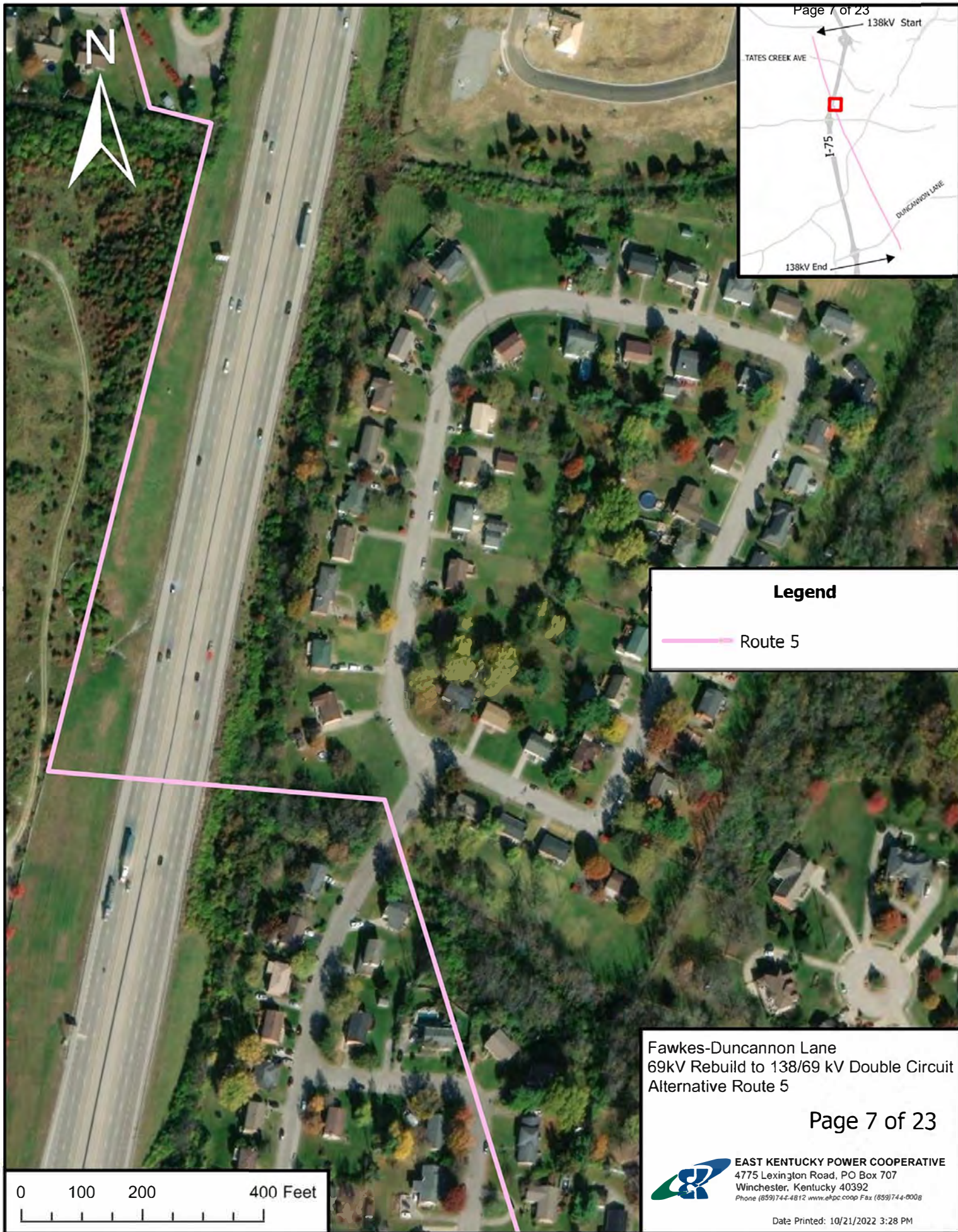
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5







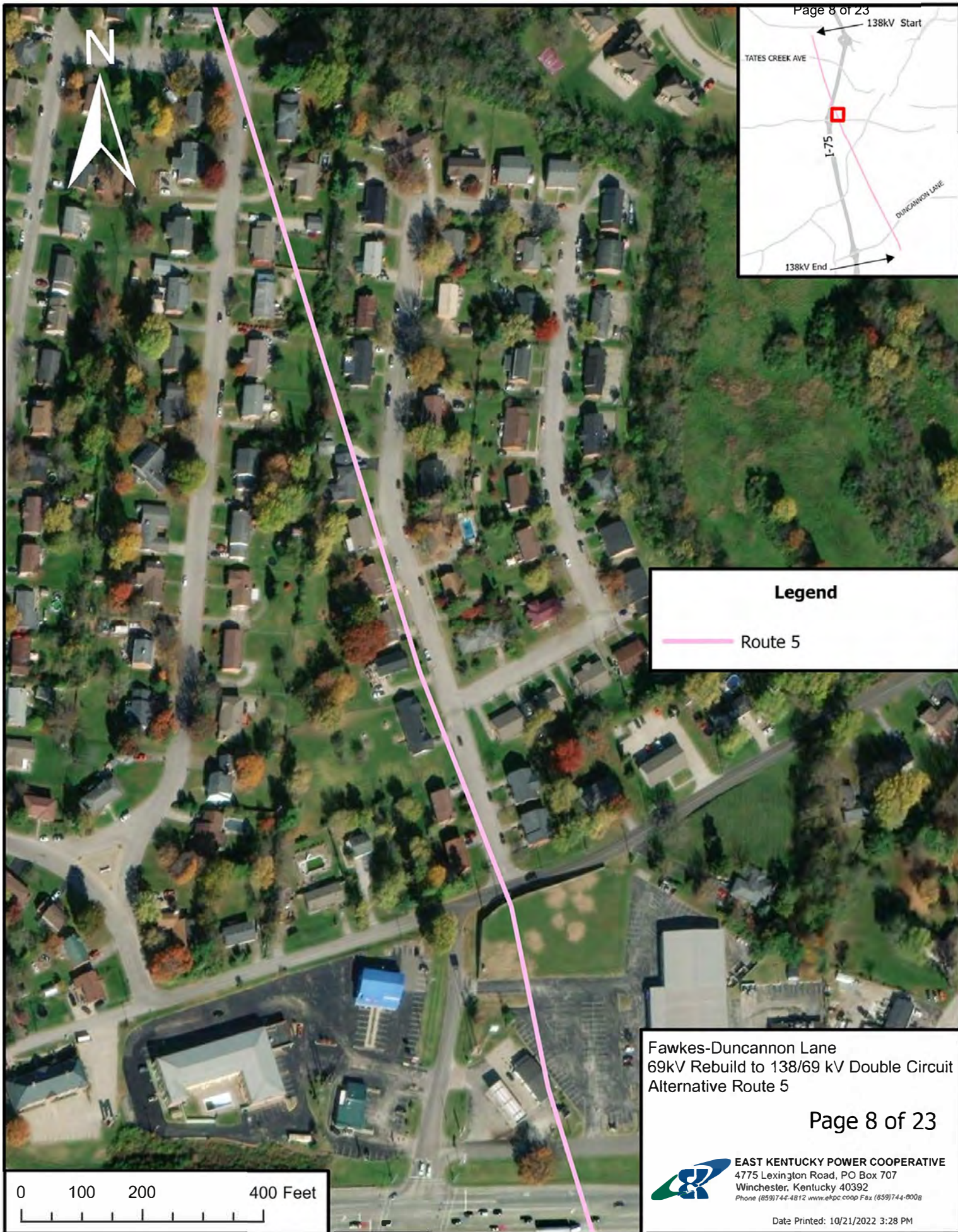
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

Maxar

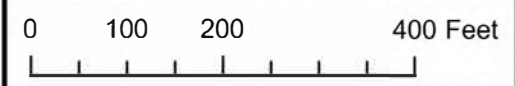




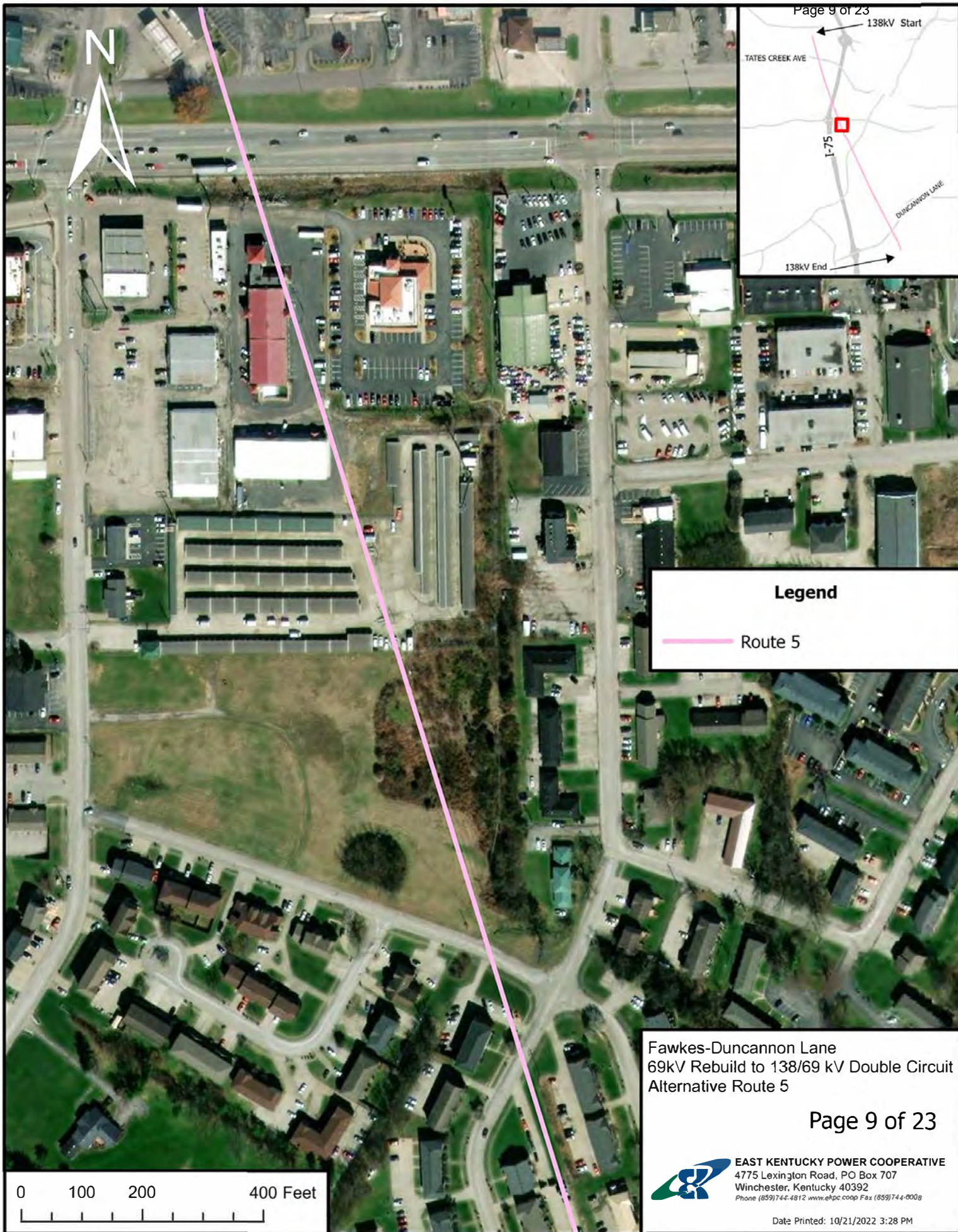
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5







**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5



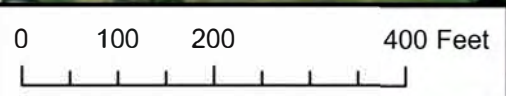




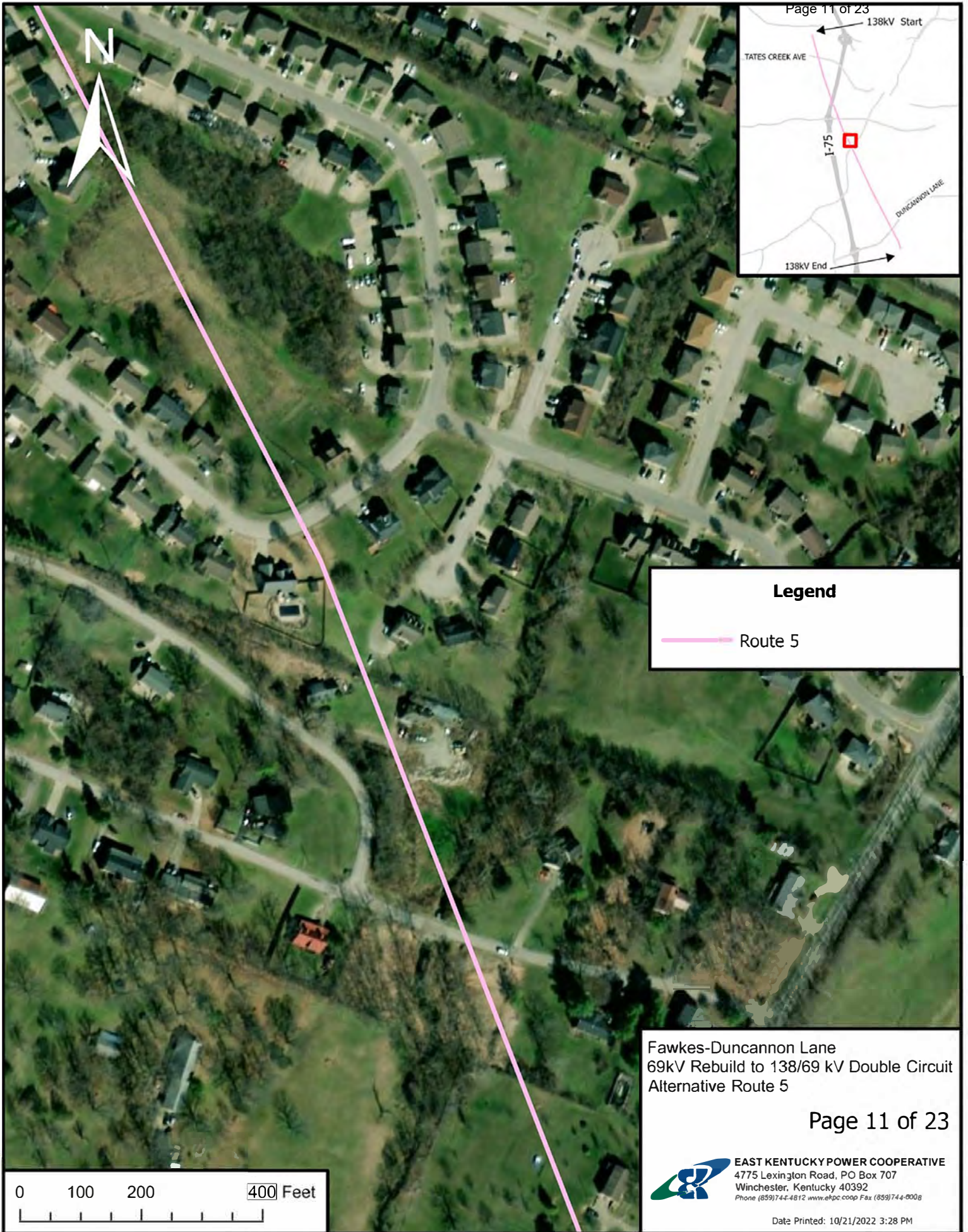
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5







**Legend**  
Route 5

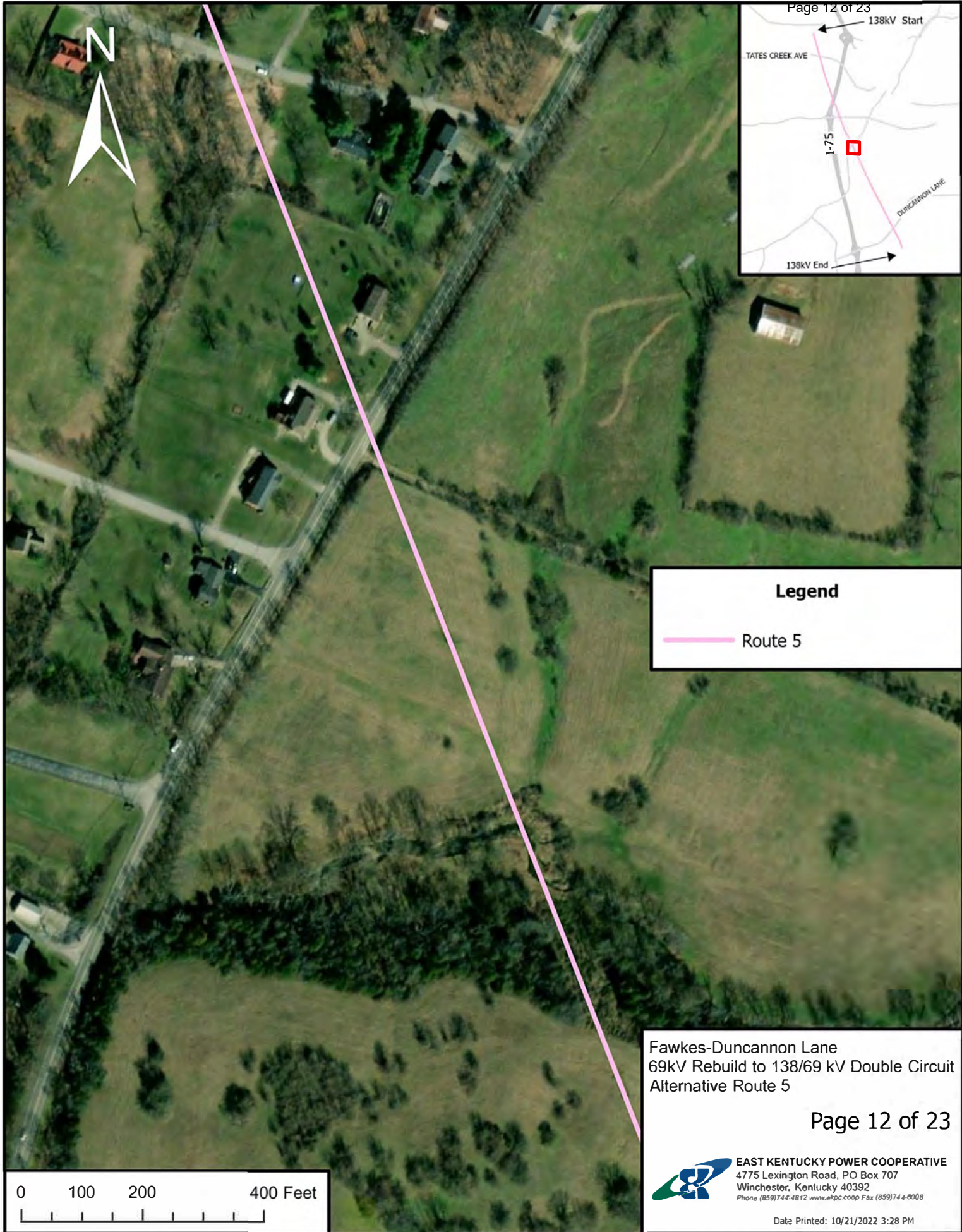
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

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 **EAST KENTUCKY POWER COOPERATIVE**  
4775 Lexington Road, PO Box 707  
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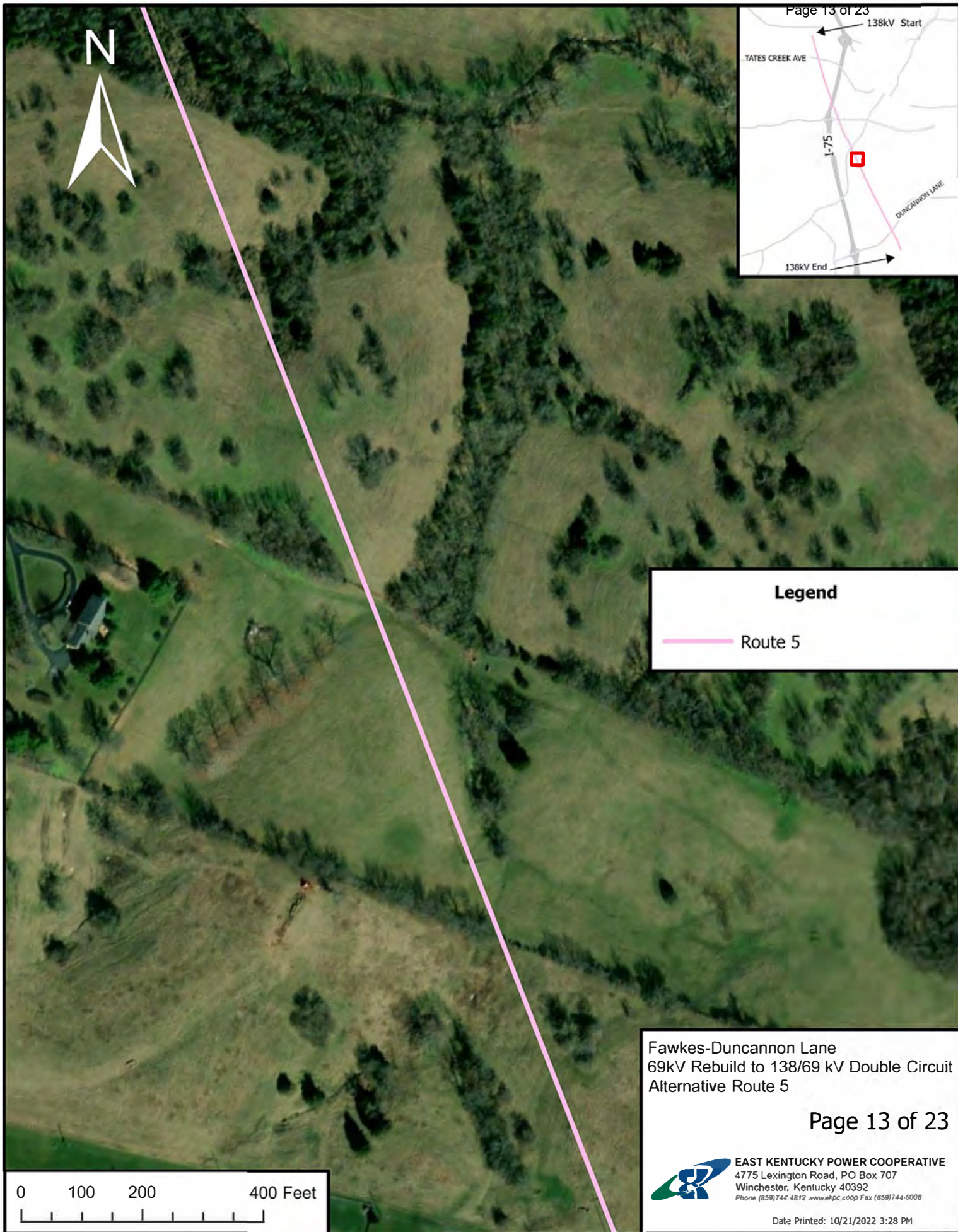


**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5





**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

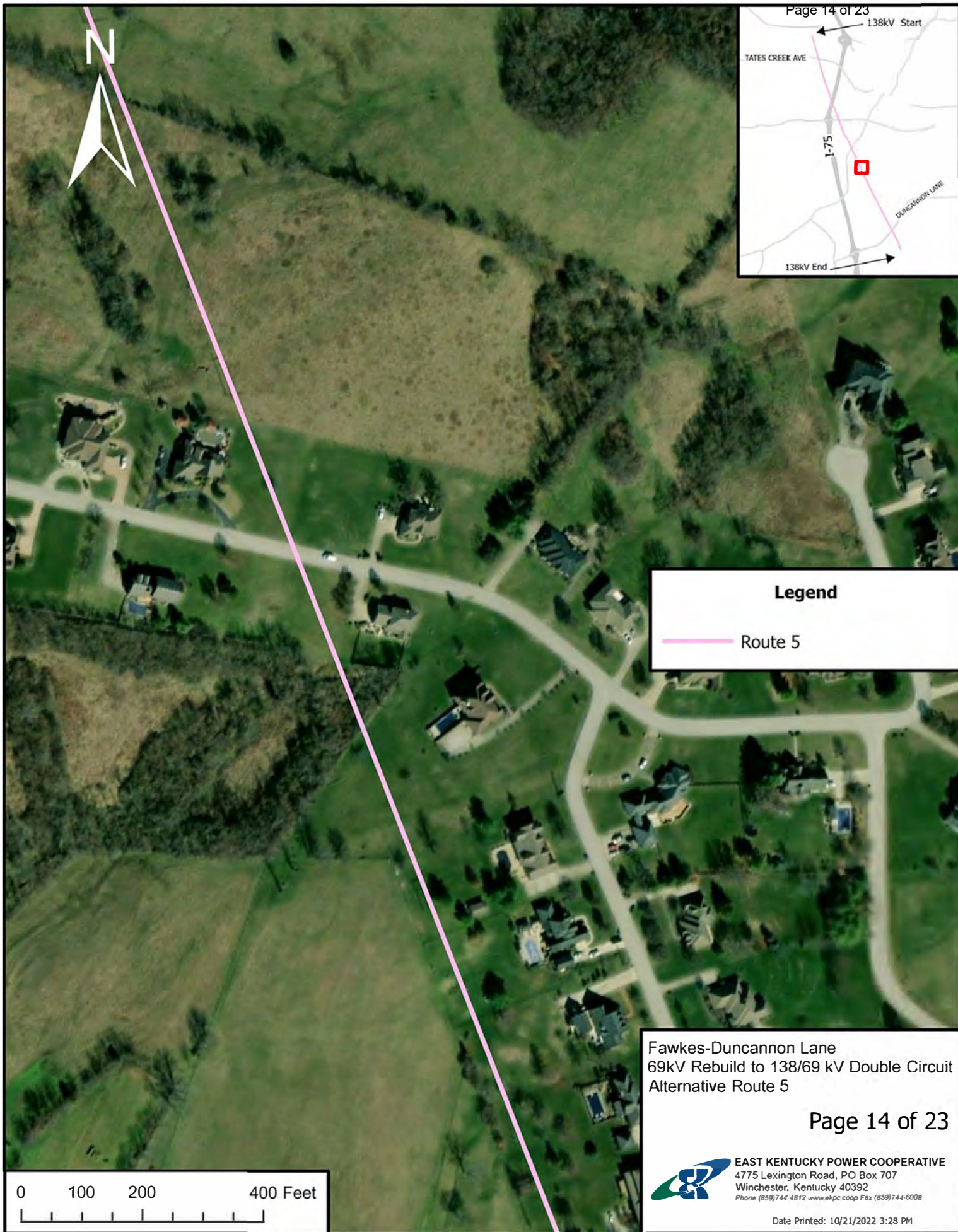
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**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5



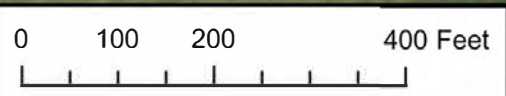




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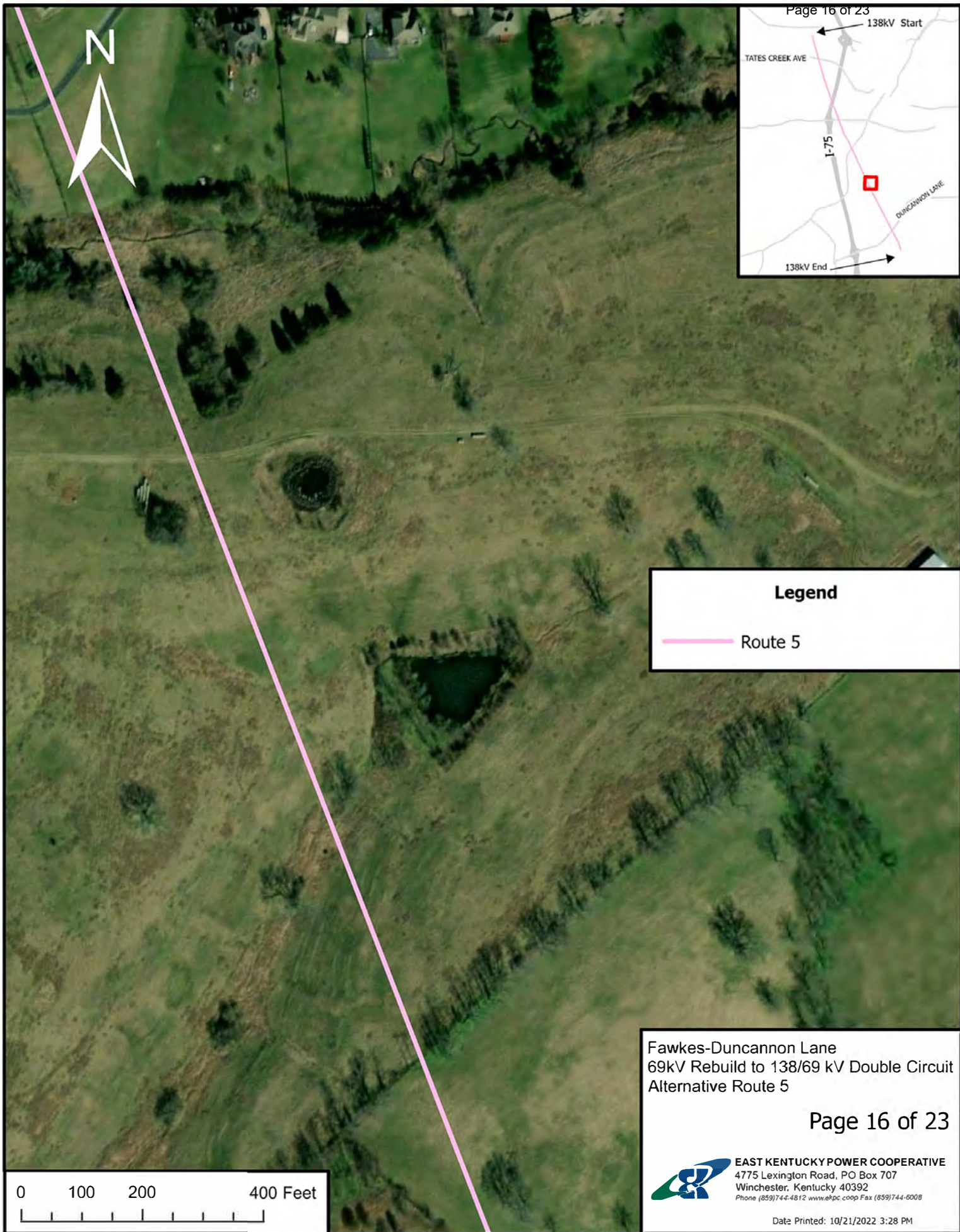
— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5



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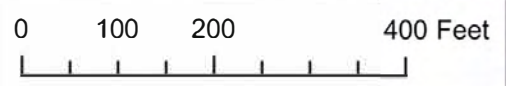


**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

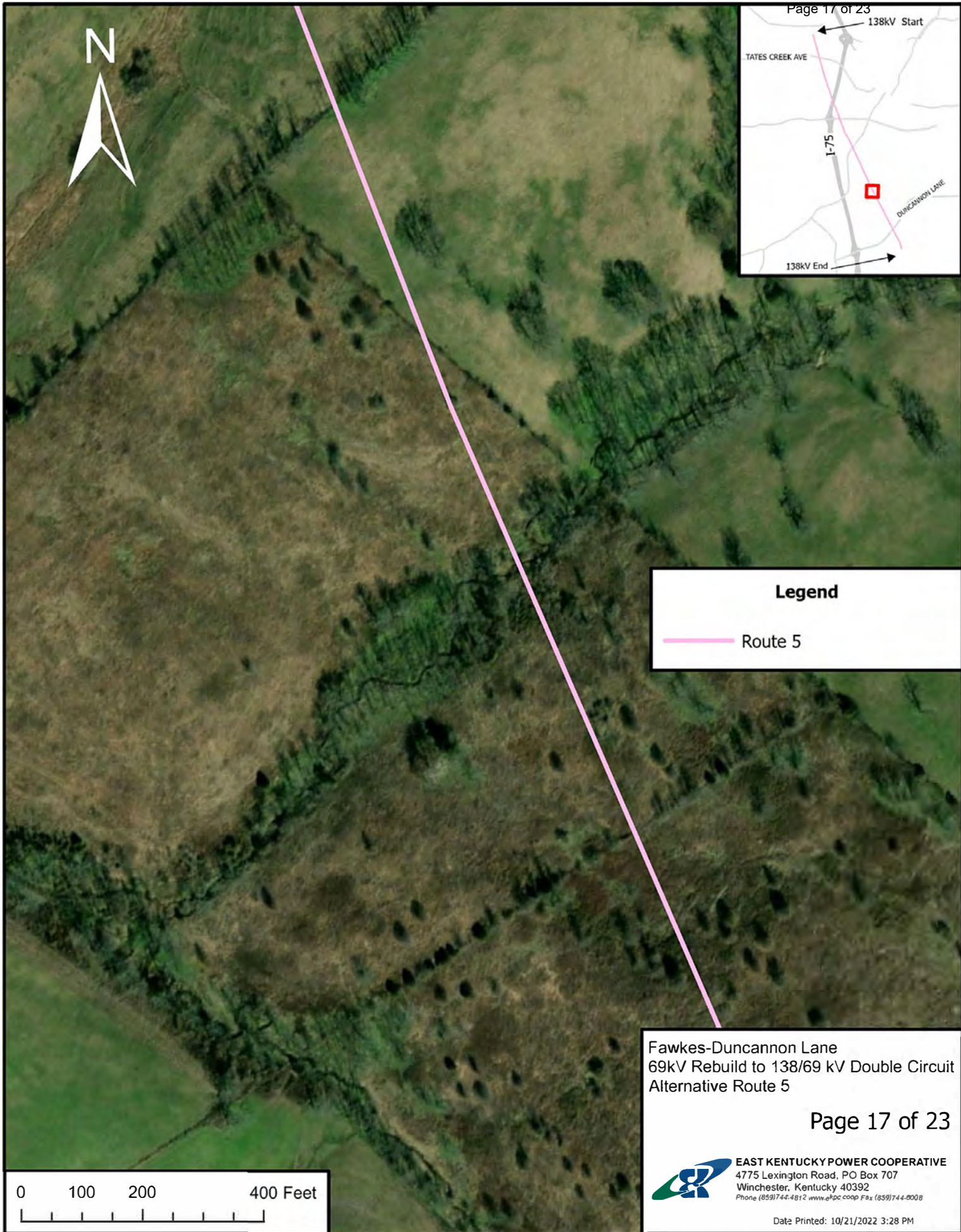
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**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

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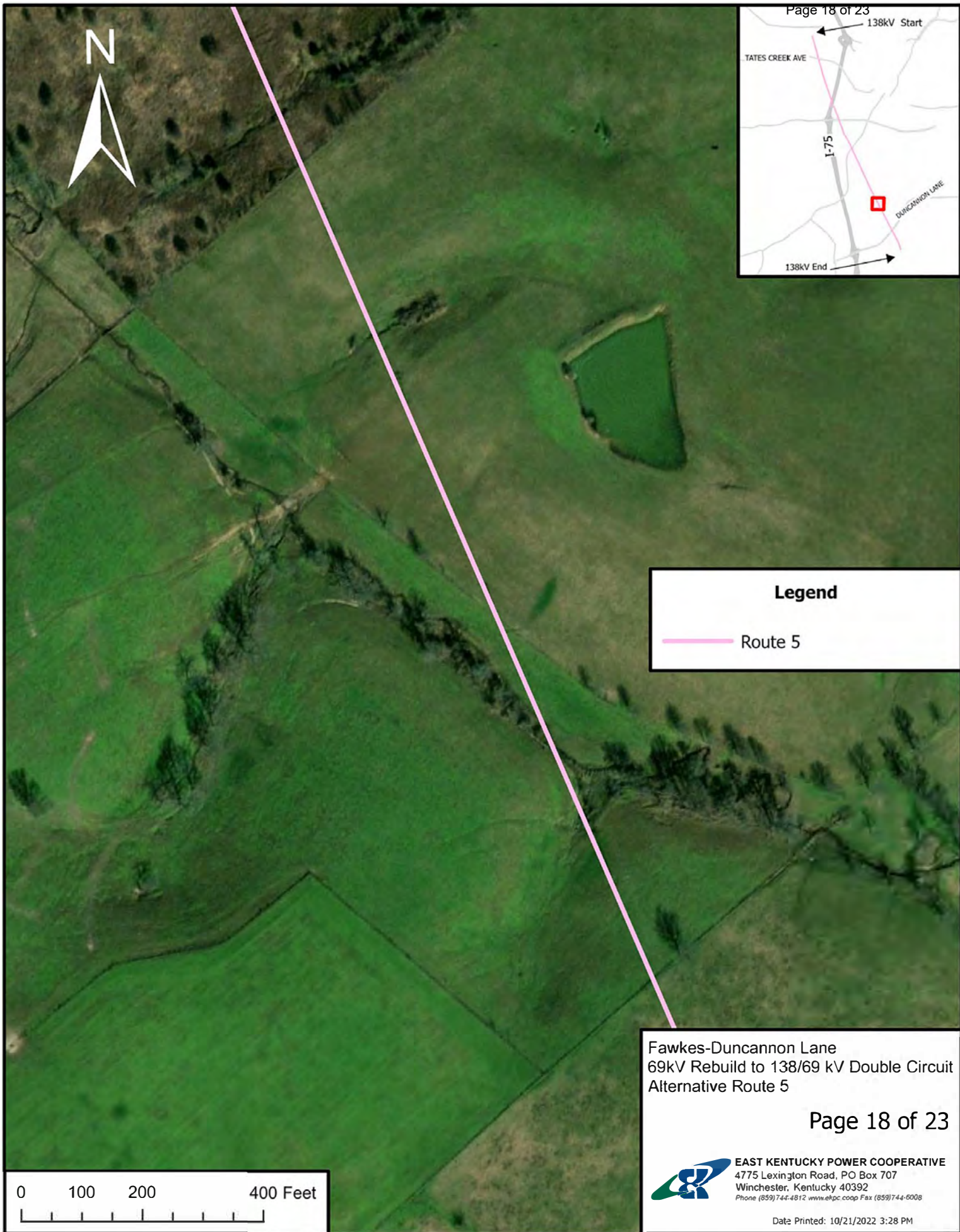


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0 100 200 400 Feet

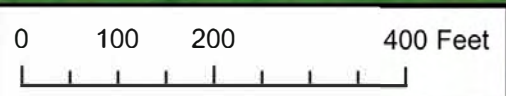




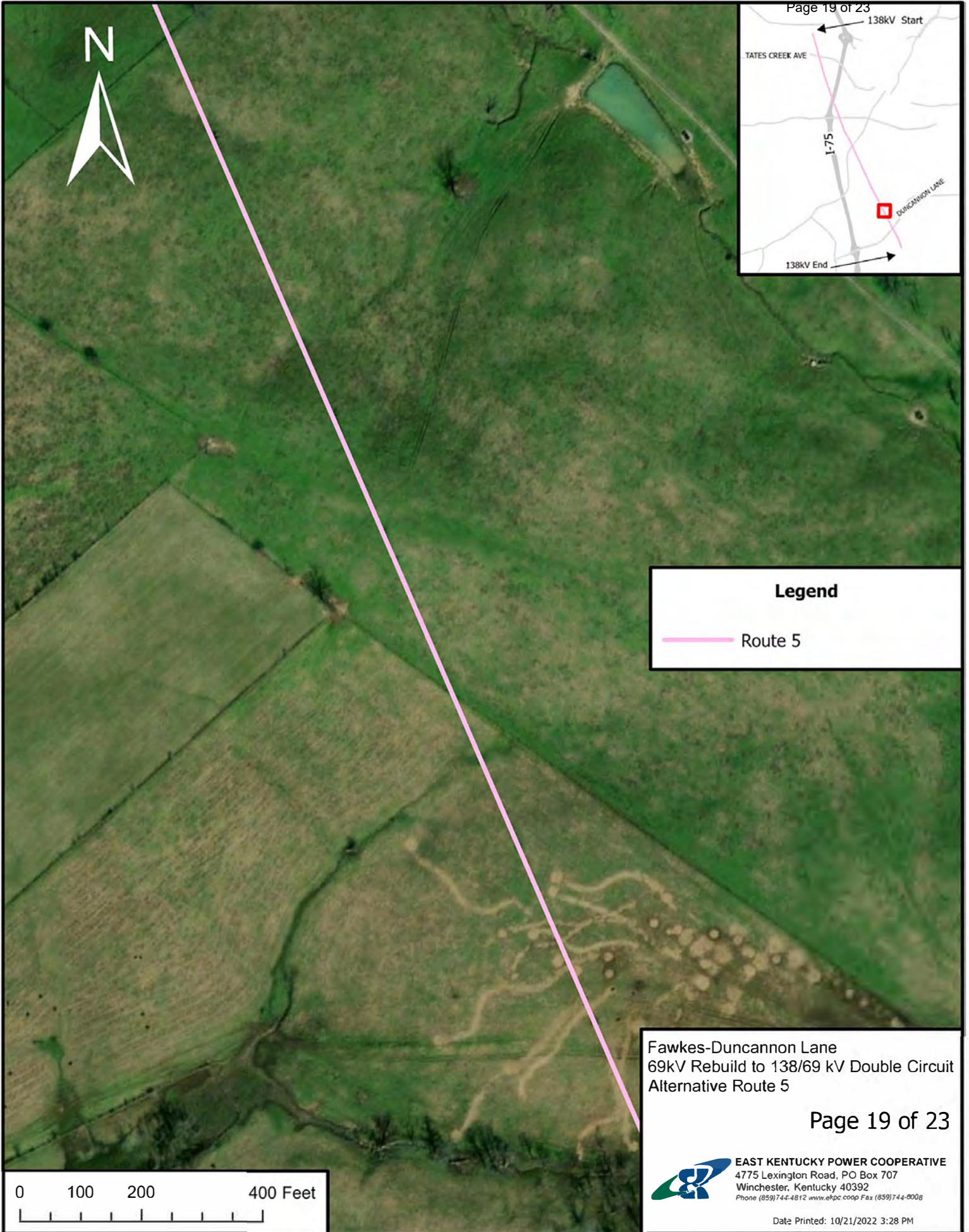
**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5











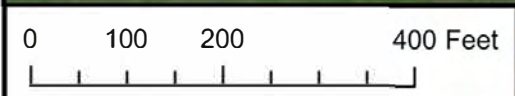




**Legend**

— Route 5

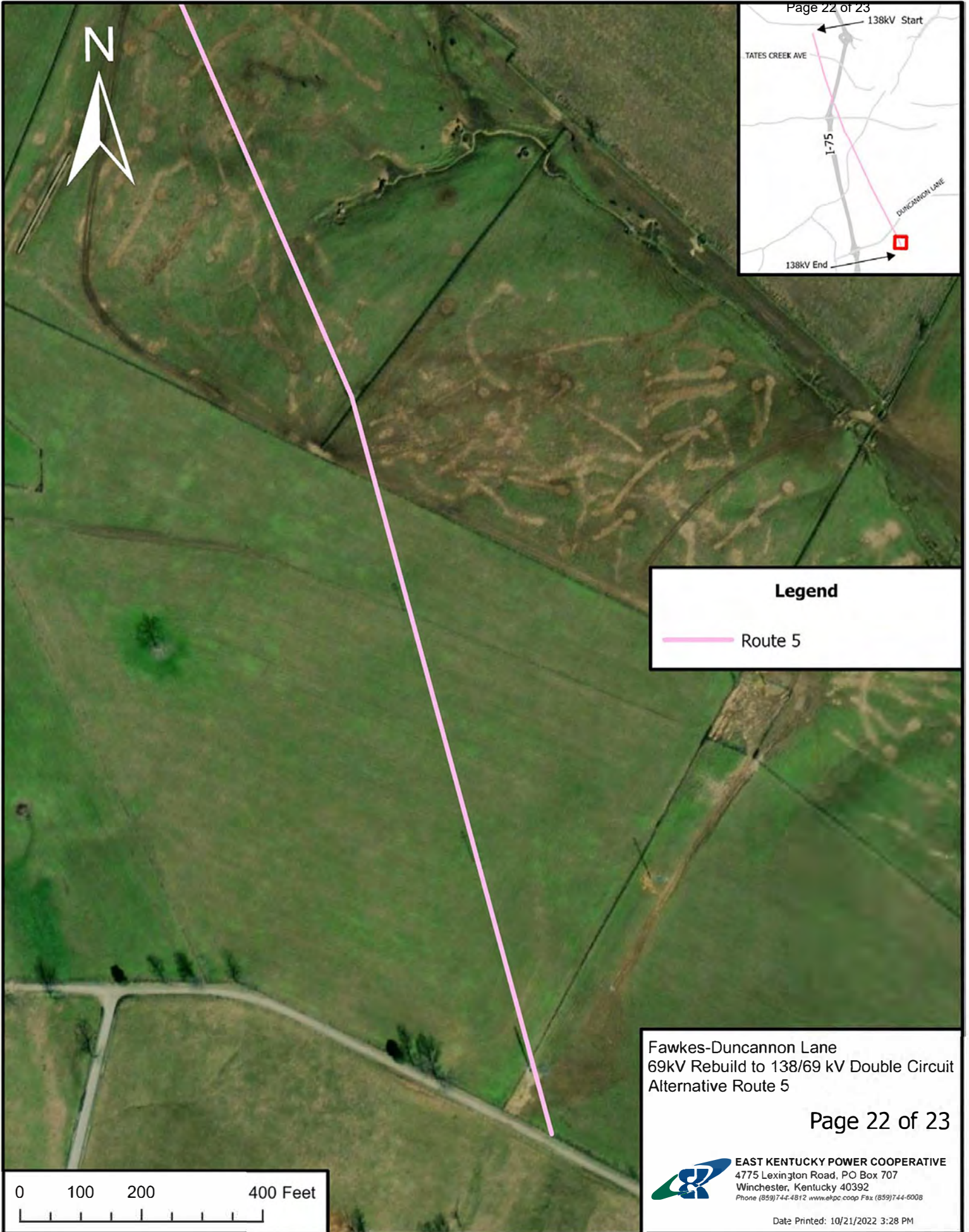
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5




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**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

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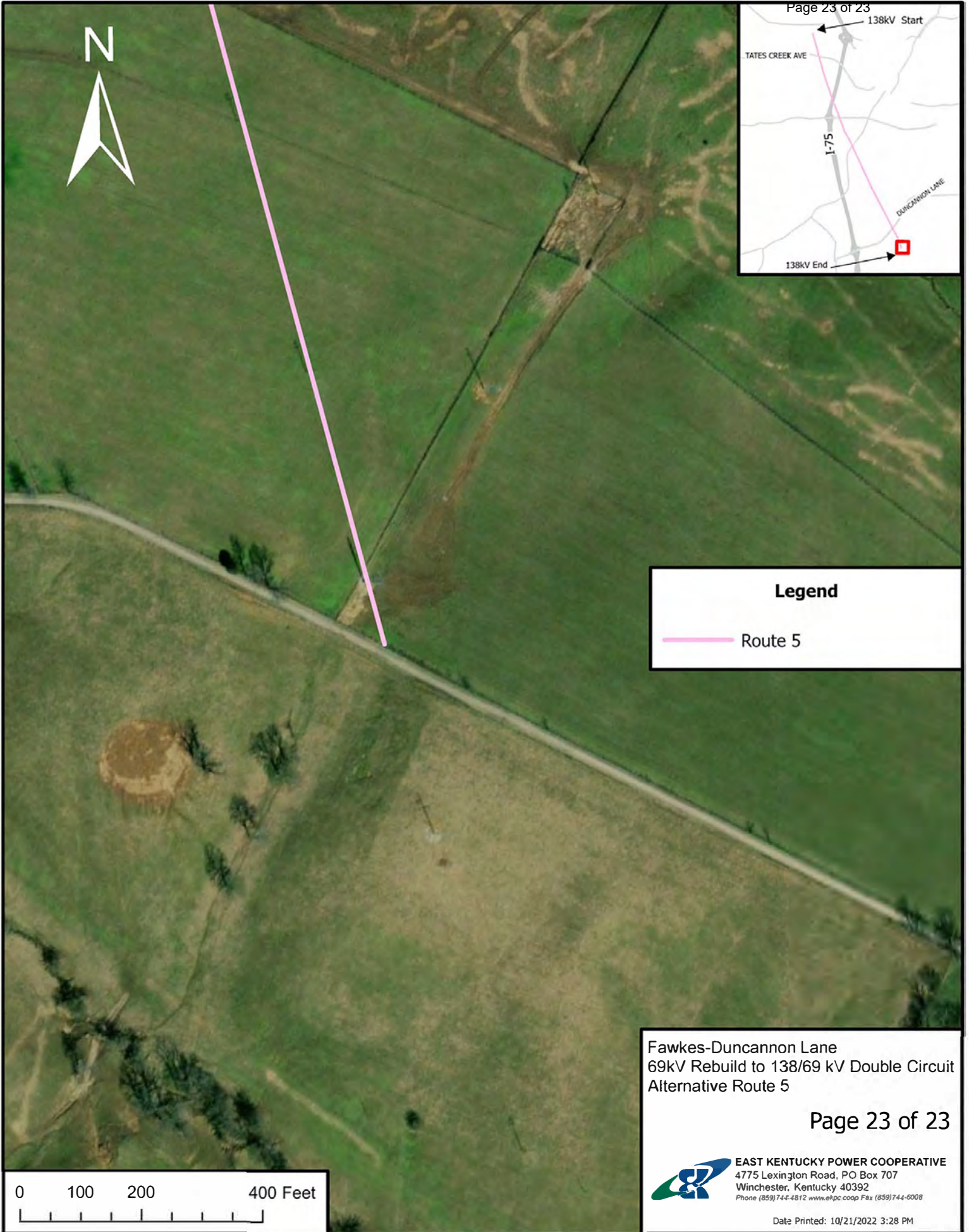


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0 100 200 400 Feet





**Legend**

— Route 5

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 5

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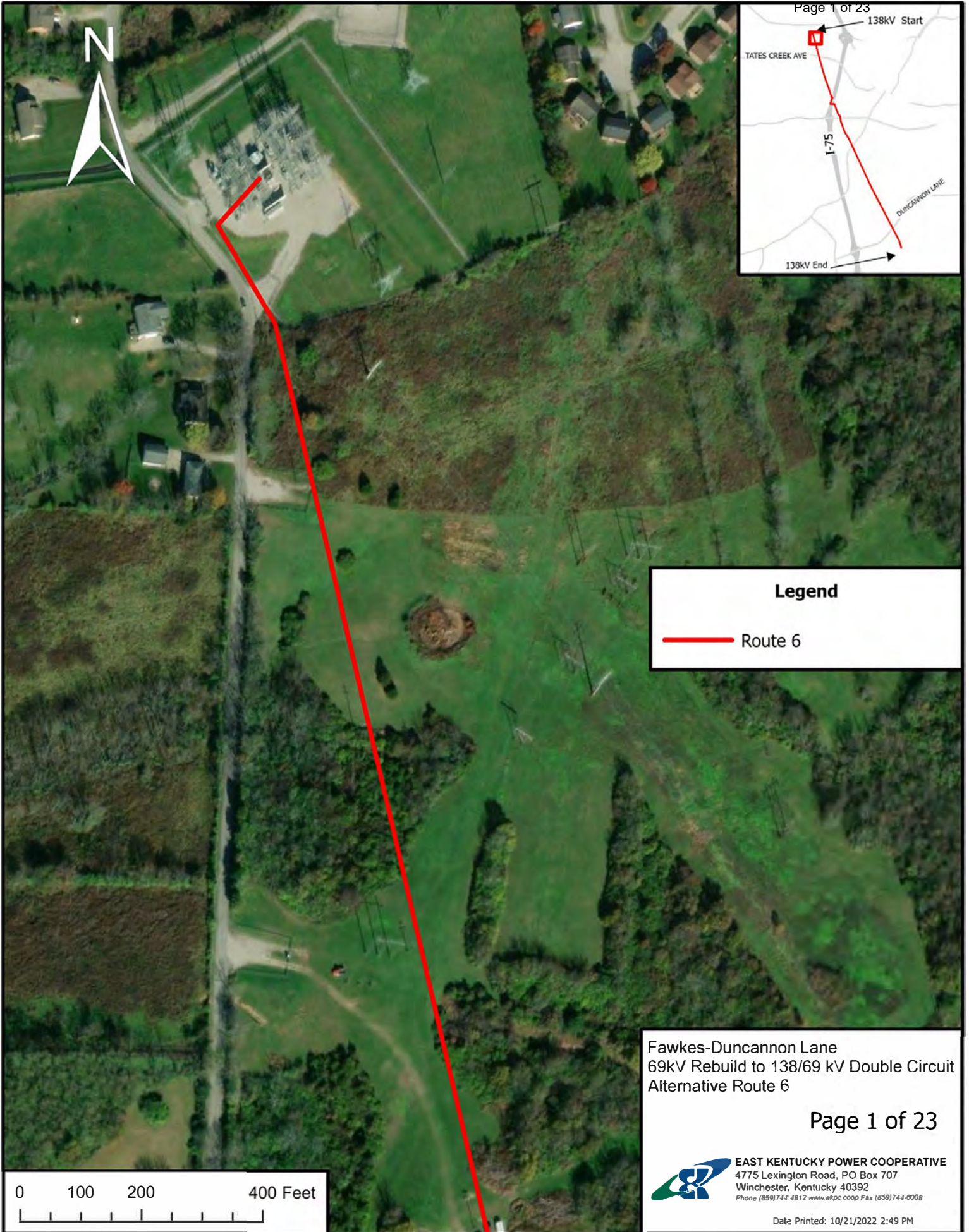
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EXHIBIT 9  
ALTERNATE ROUTE MAP





**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

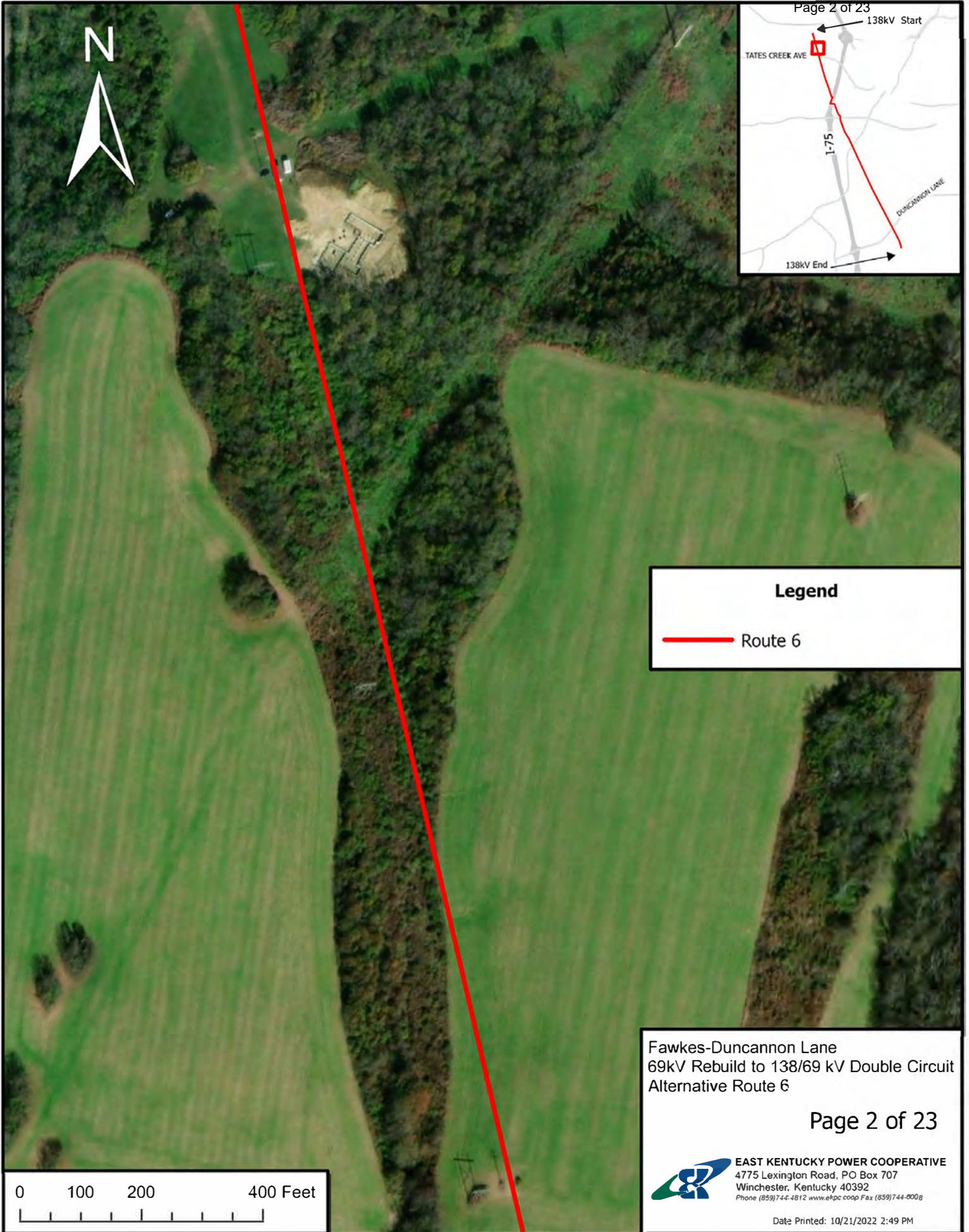
Page 1 of 23

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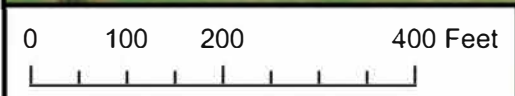




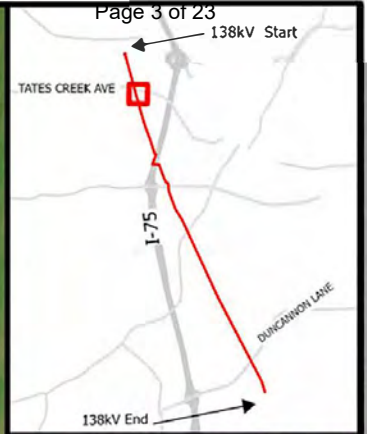
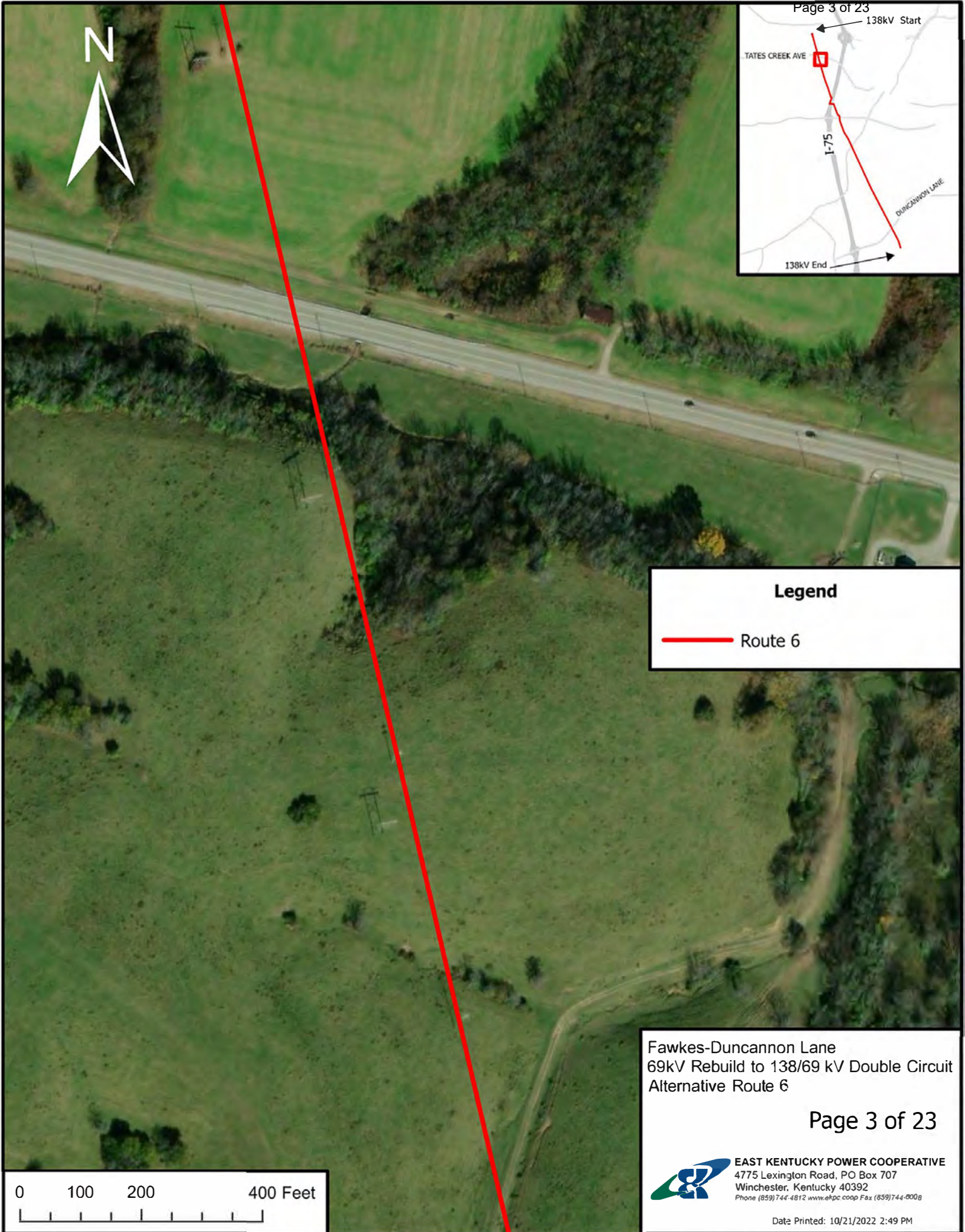
**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6





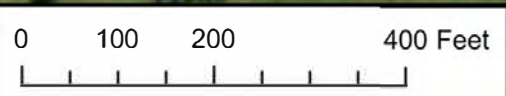


**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

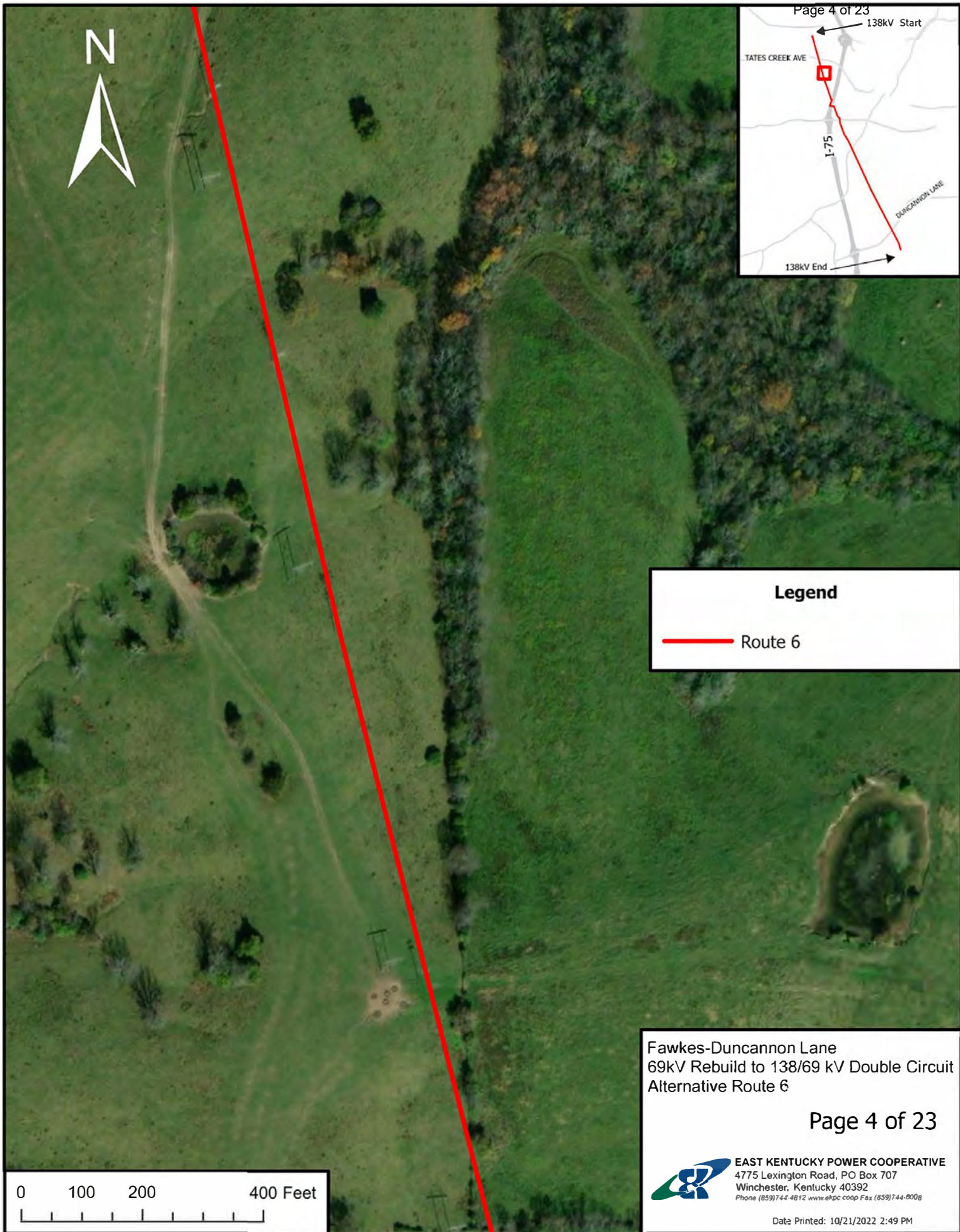
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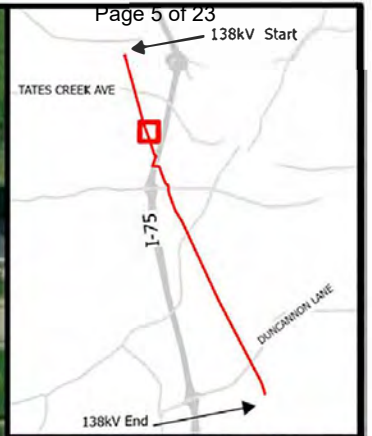
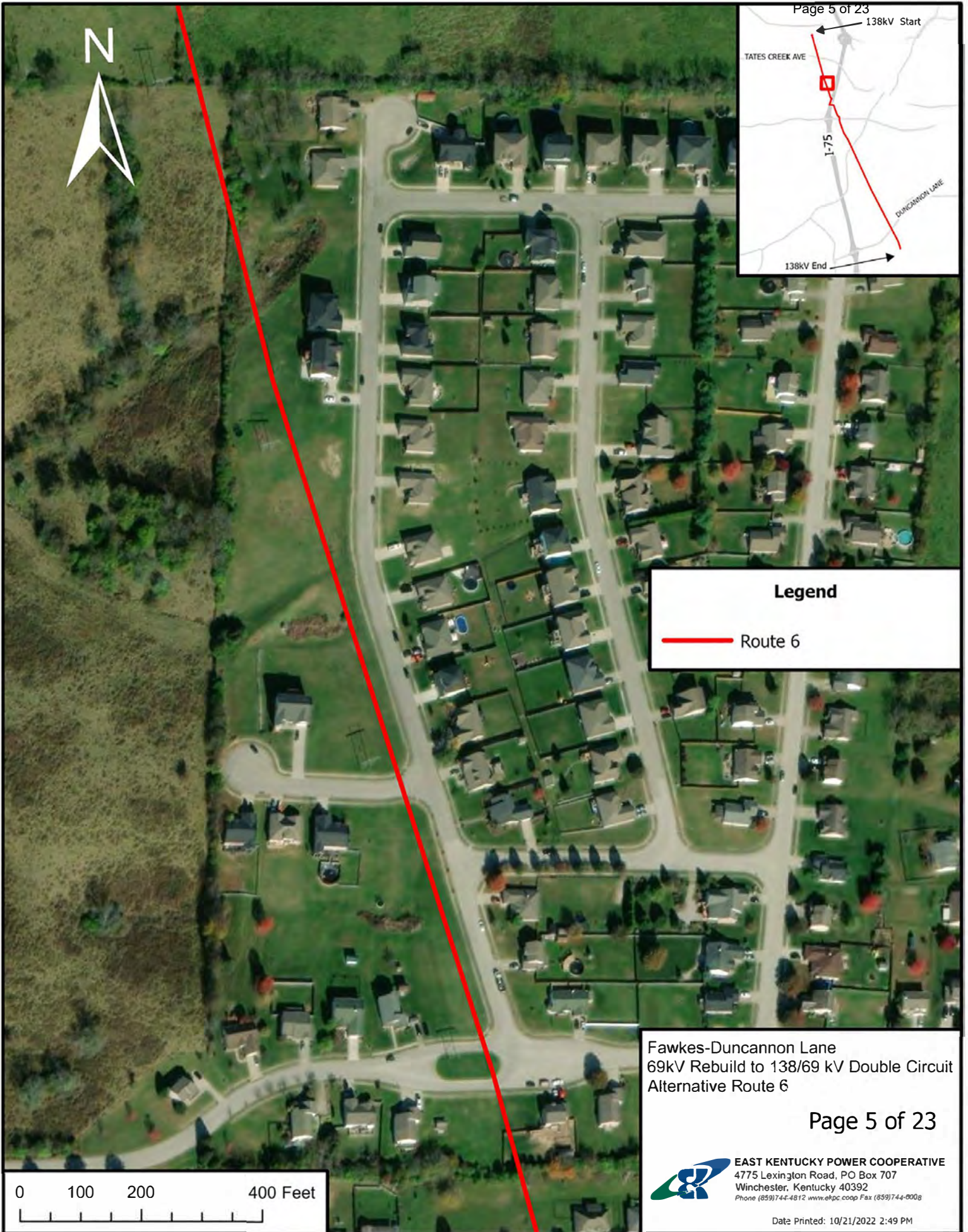
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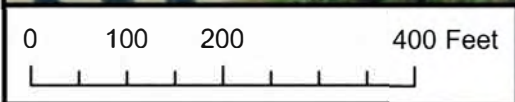




**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6







**Legend**

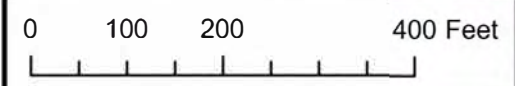
— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

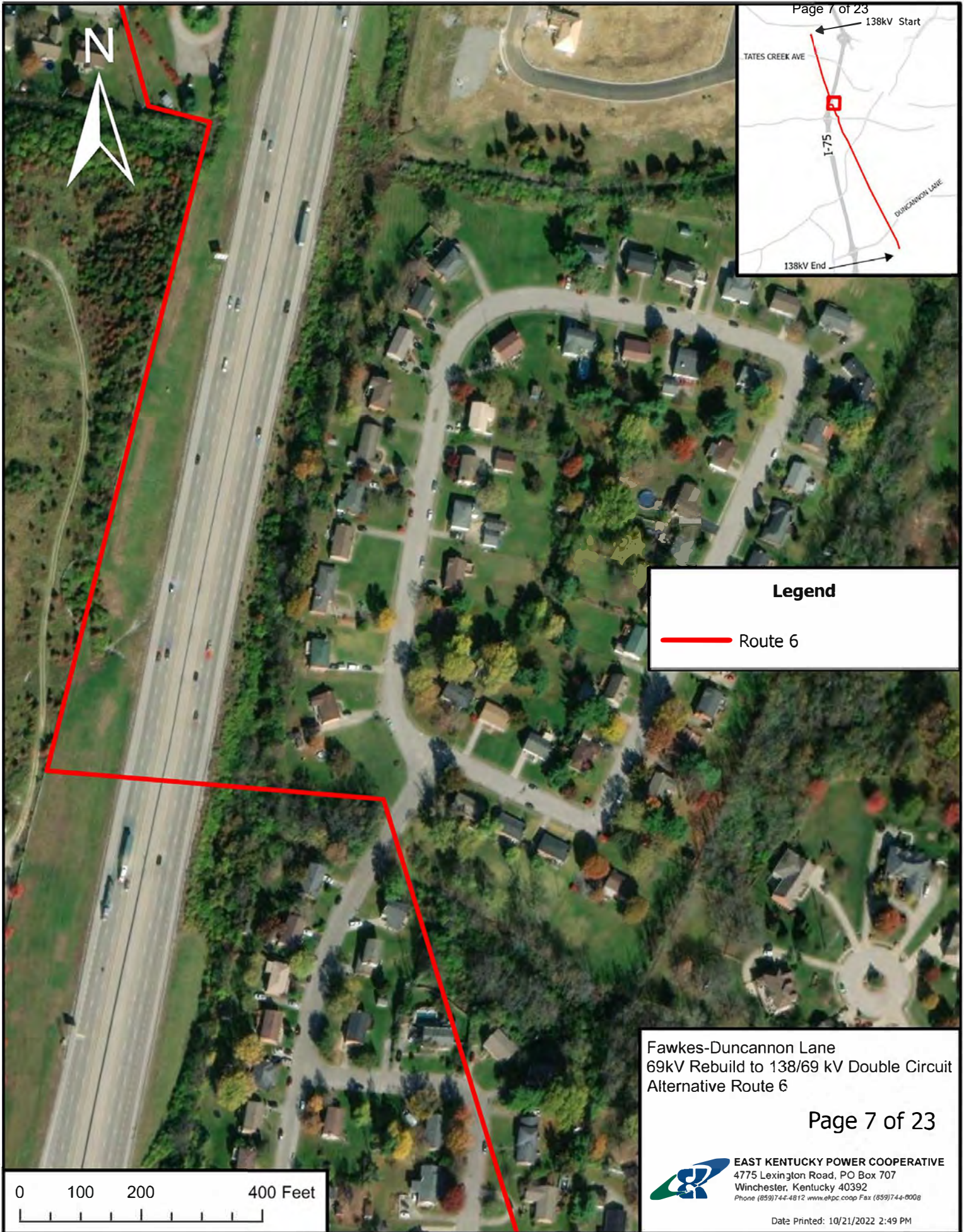
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**Legend**

 Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

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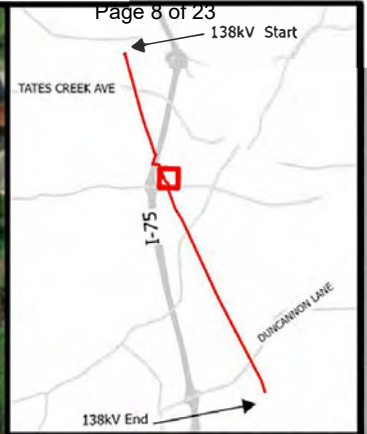
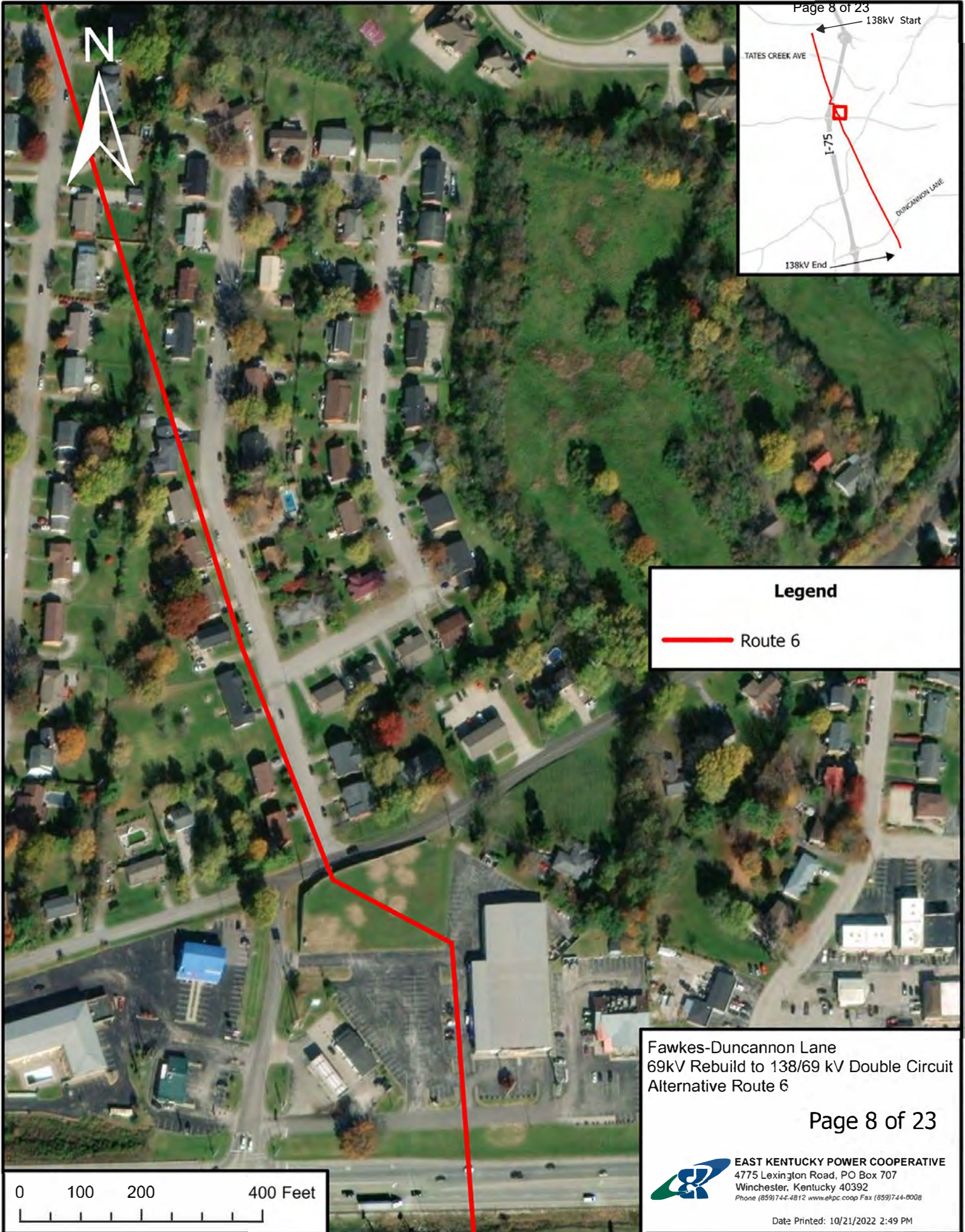


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0 100 200 400 Feet





**Legend**

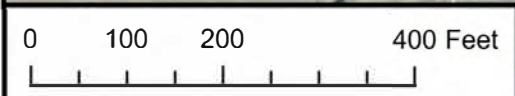
— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

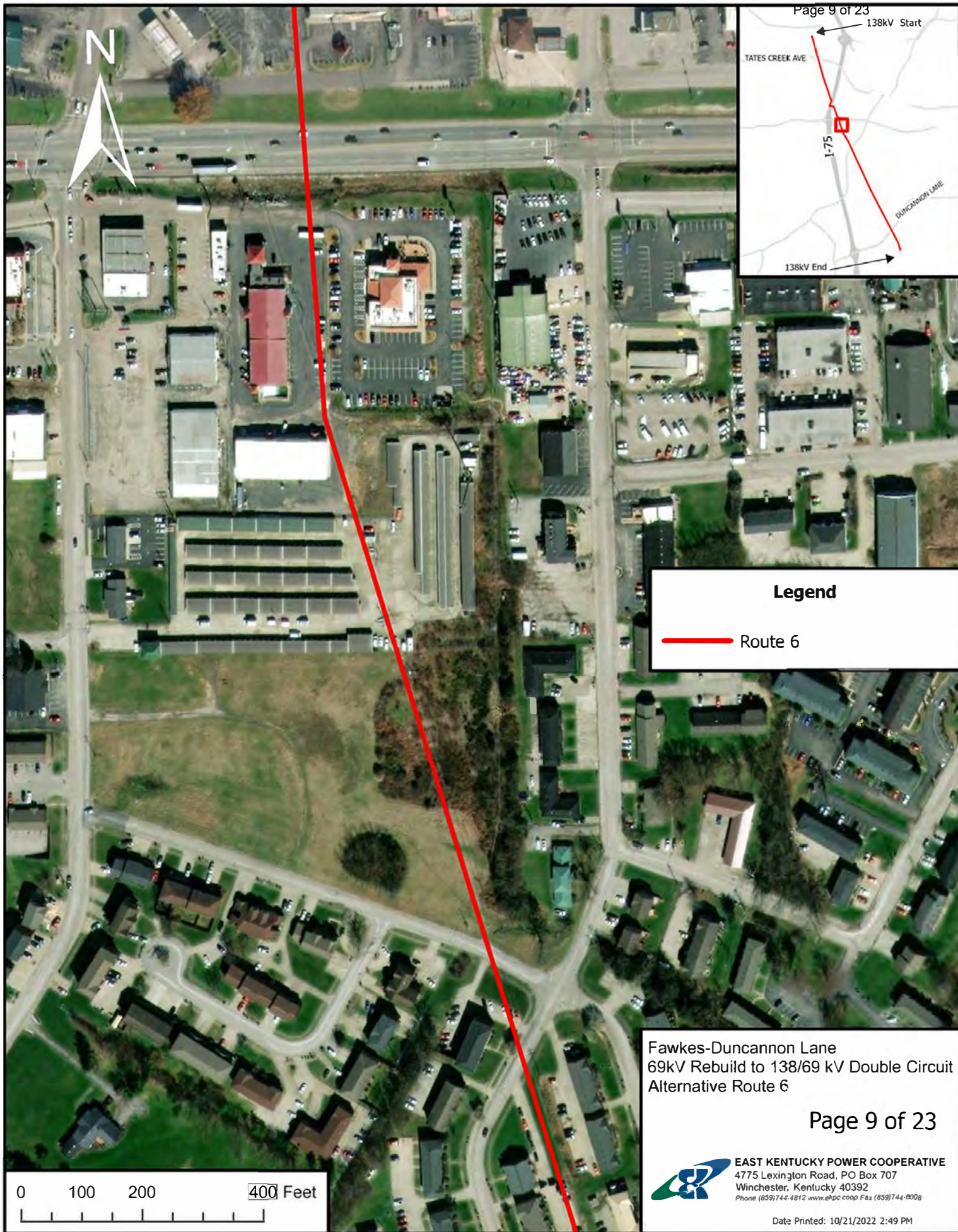
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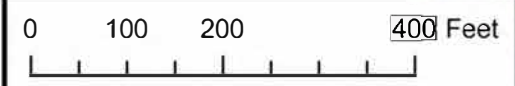




**Legend**

— Route 6

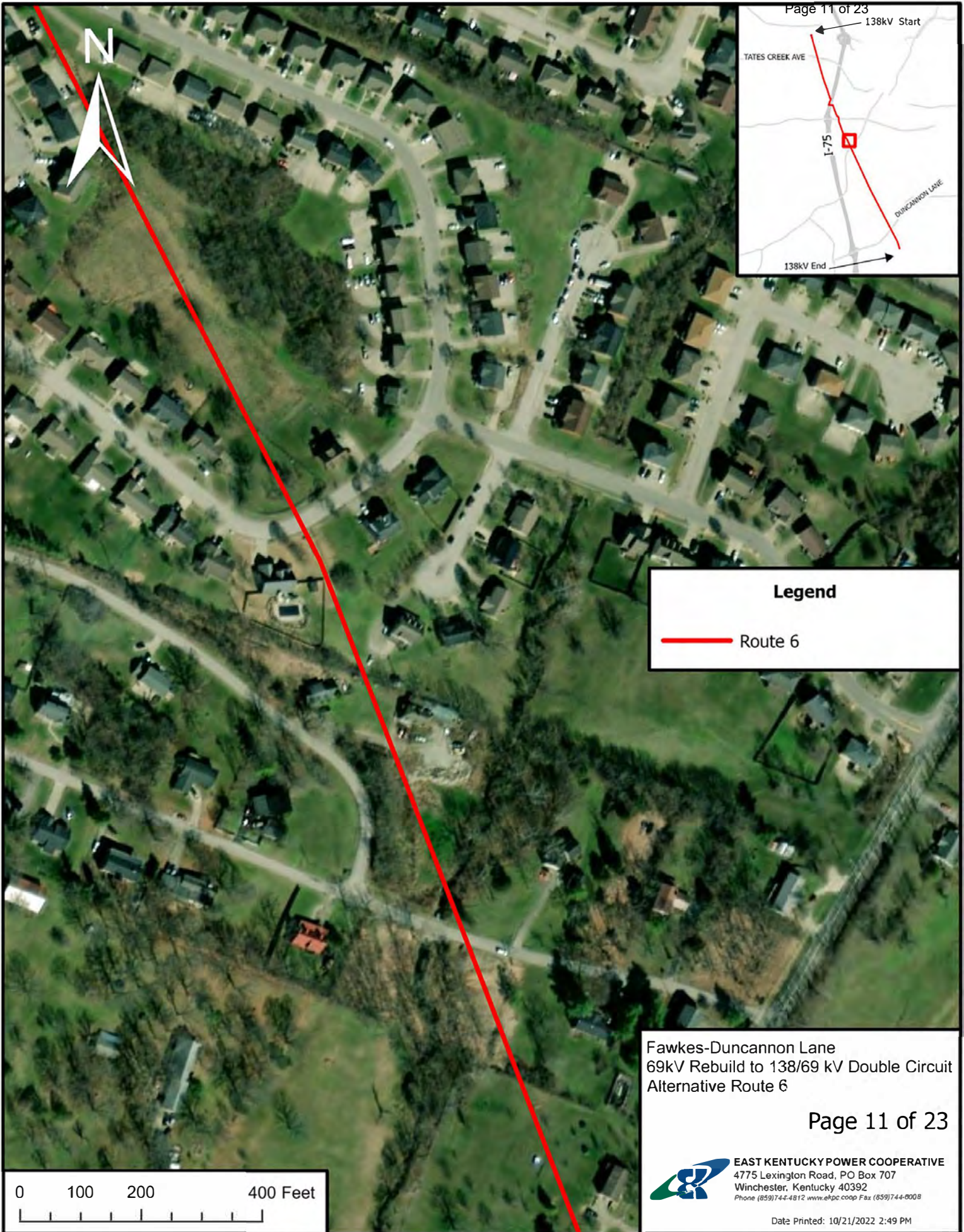
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6



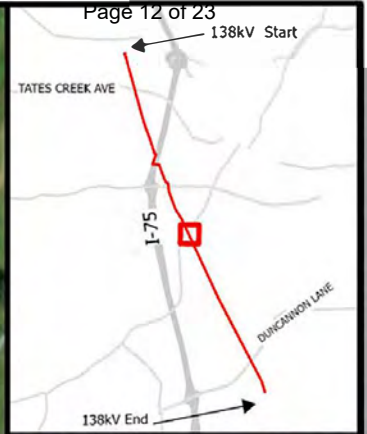
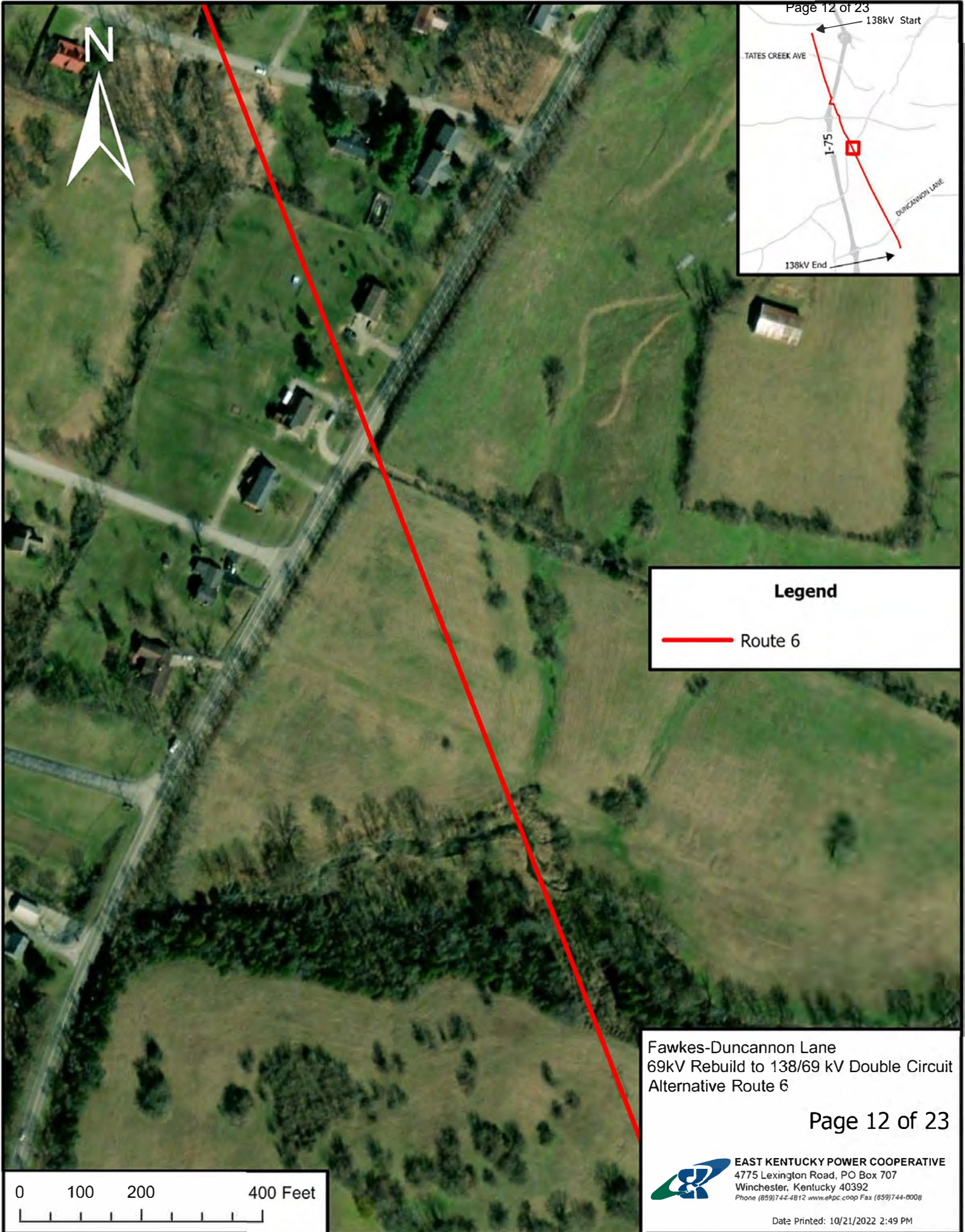








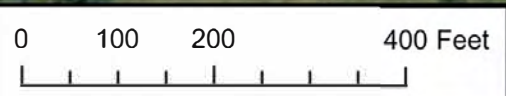




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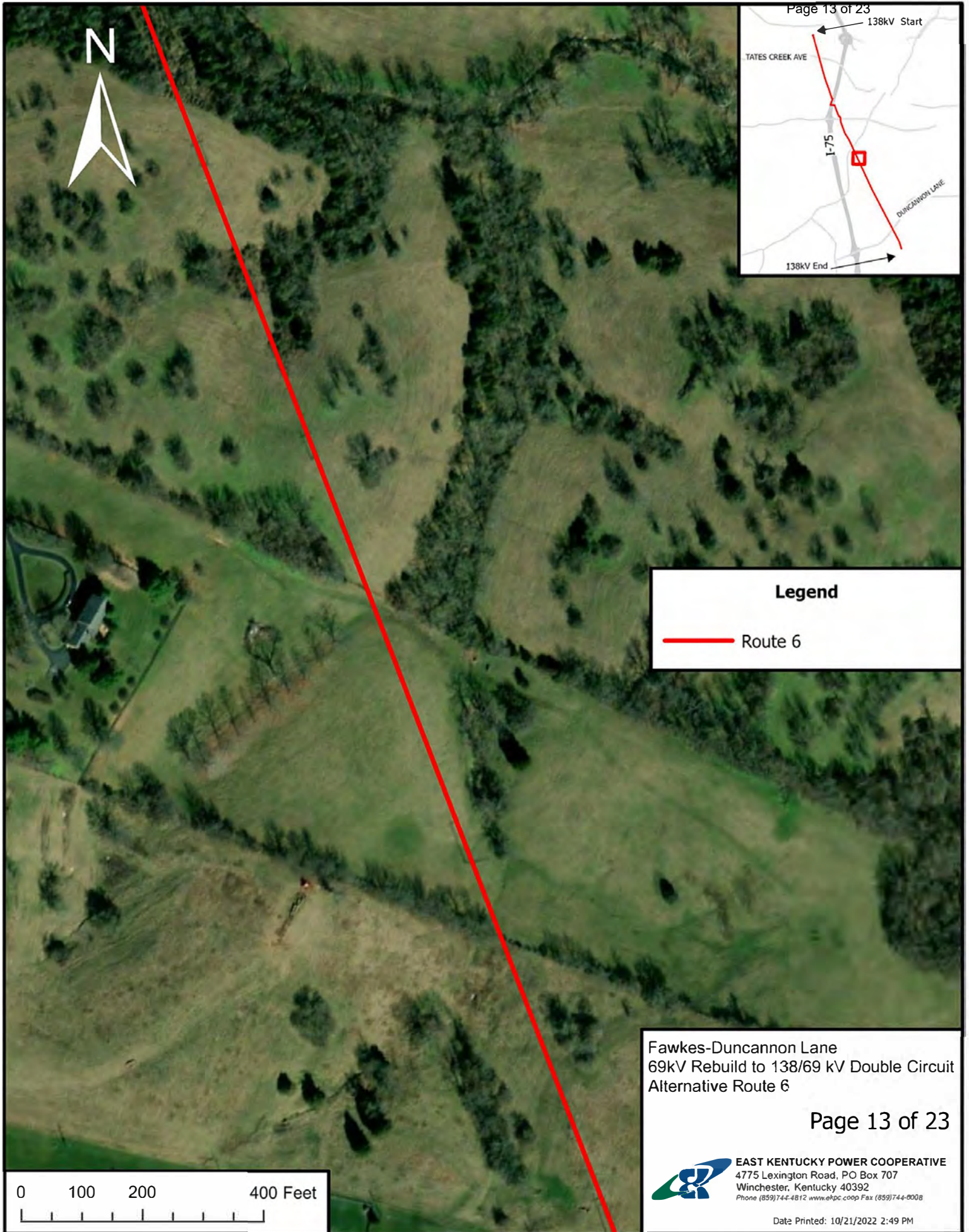
— Route 6

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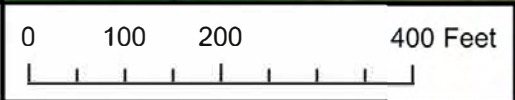




**Legend**

— Route 6

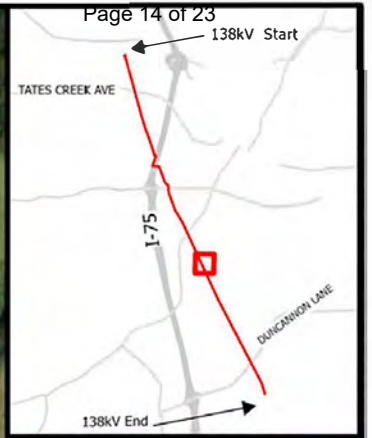
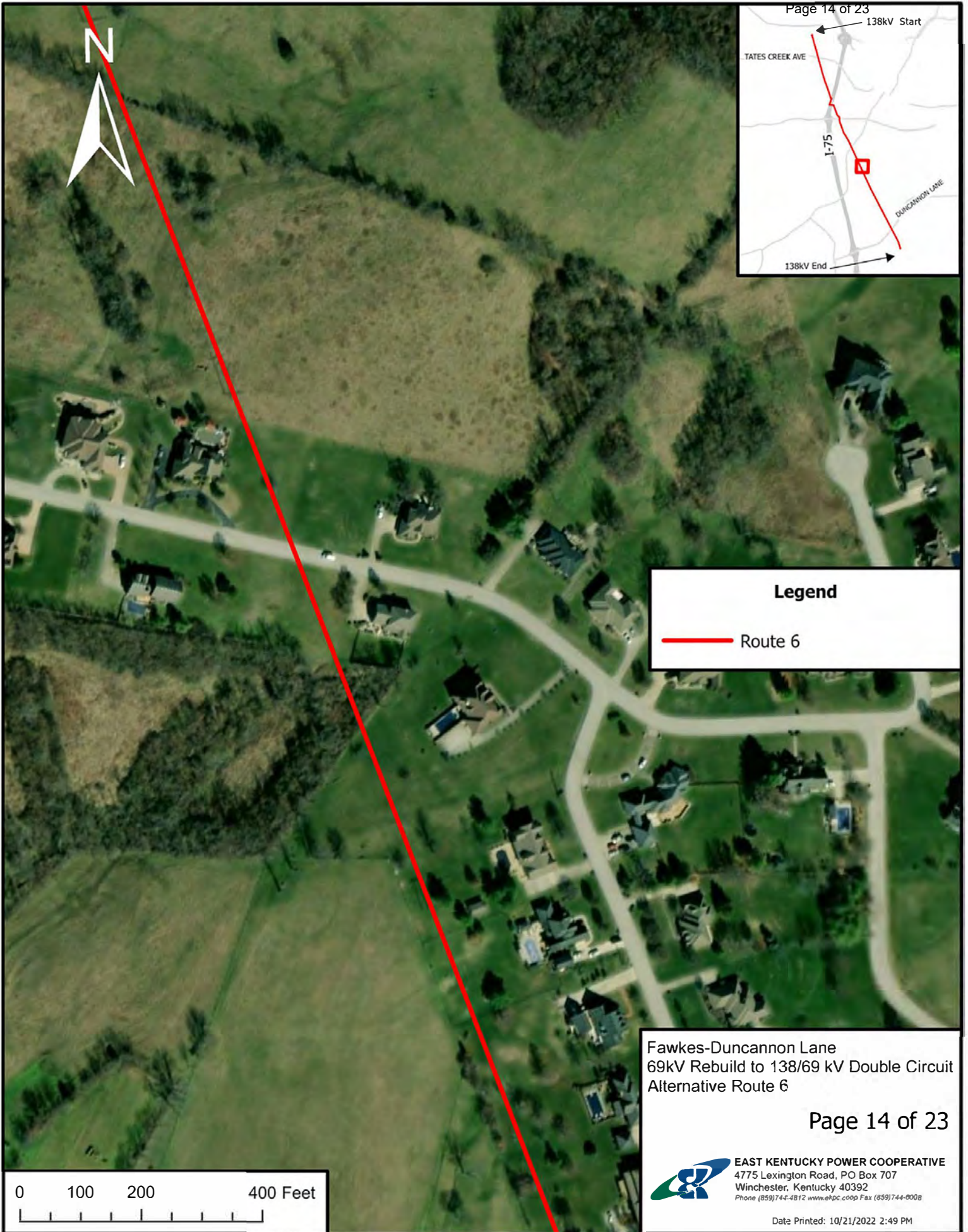
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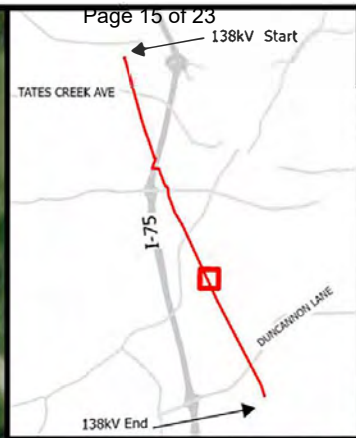
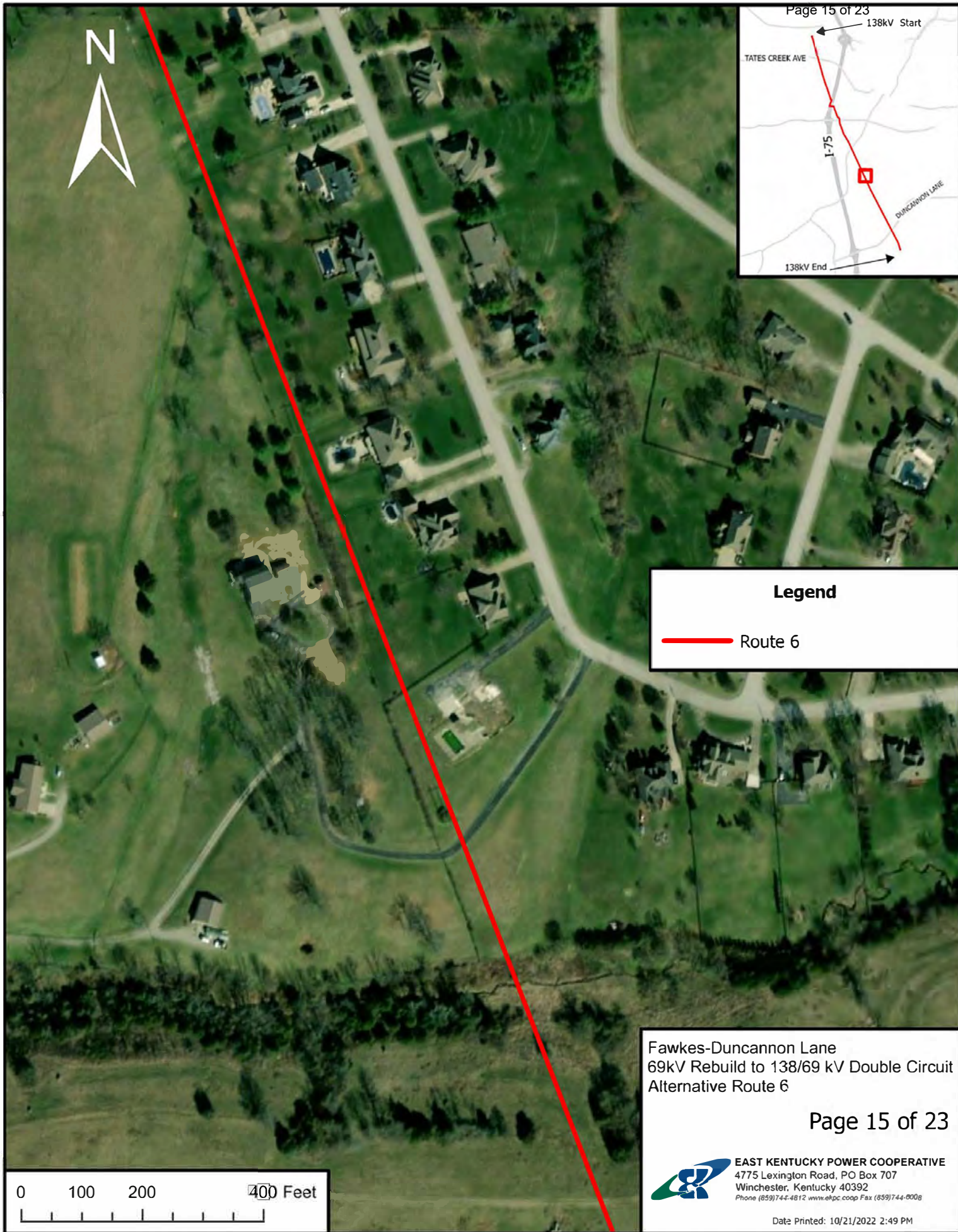
**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6



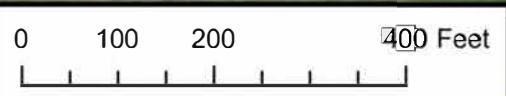




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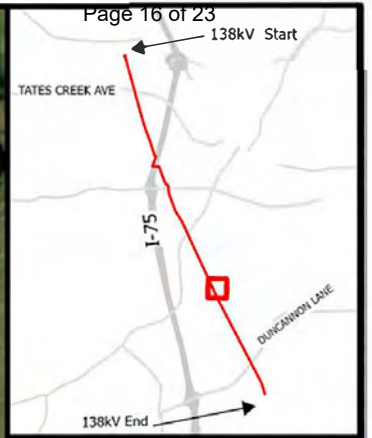
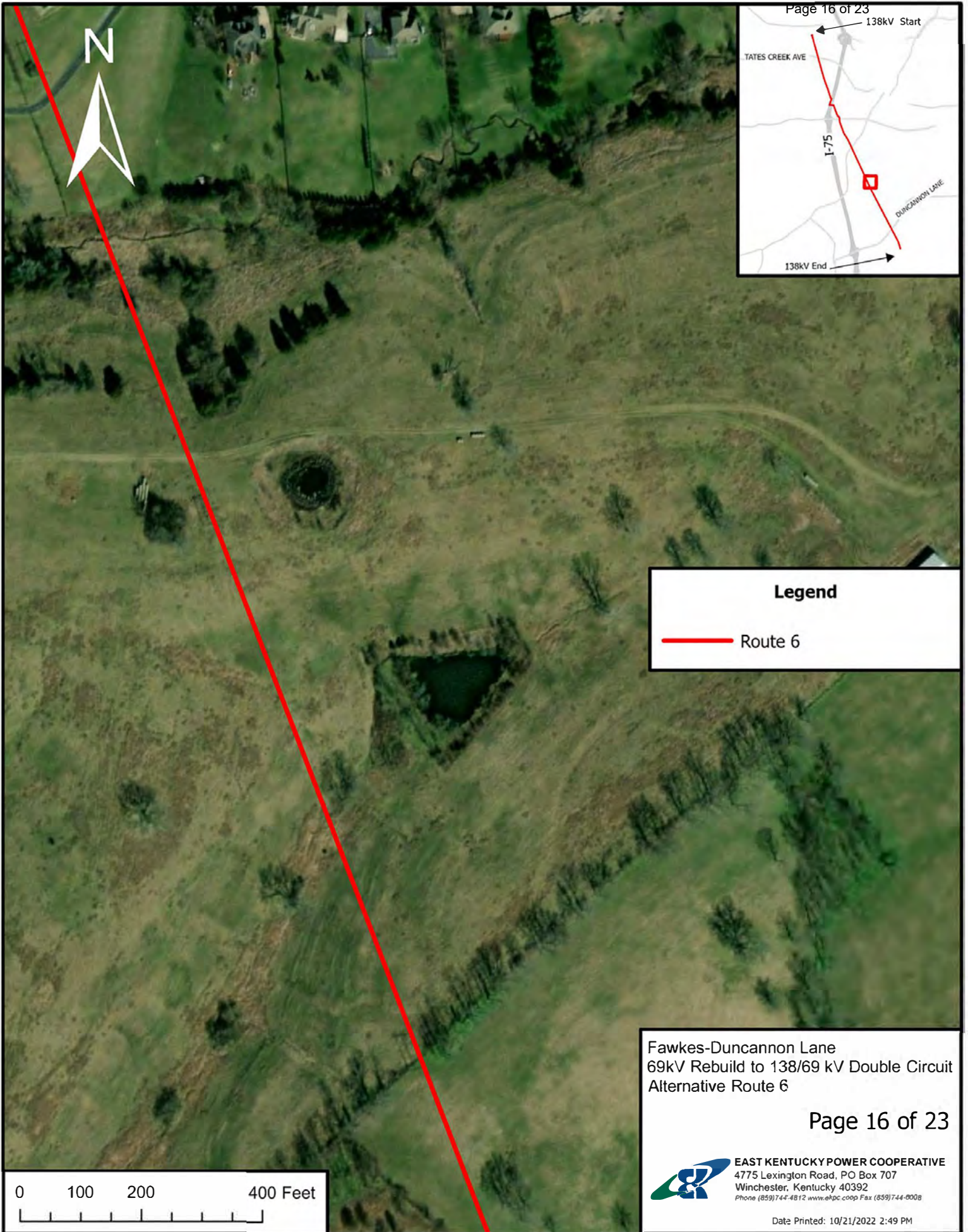
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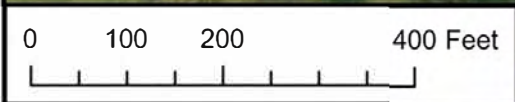




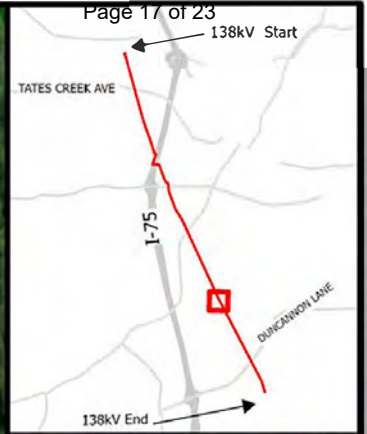
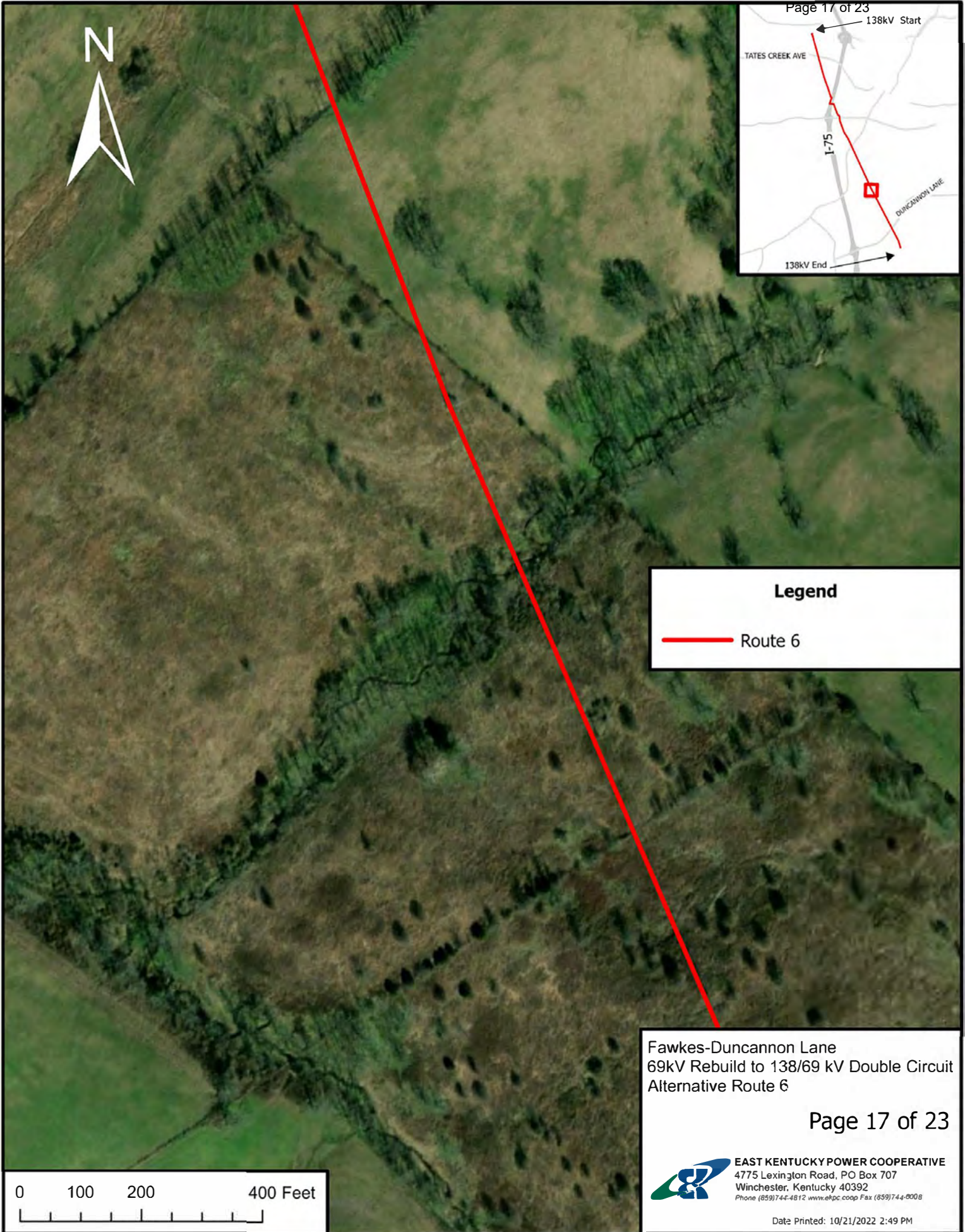
**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6



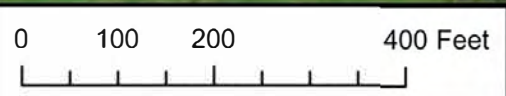




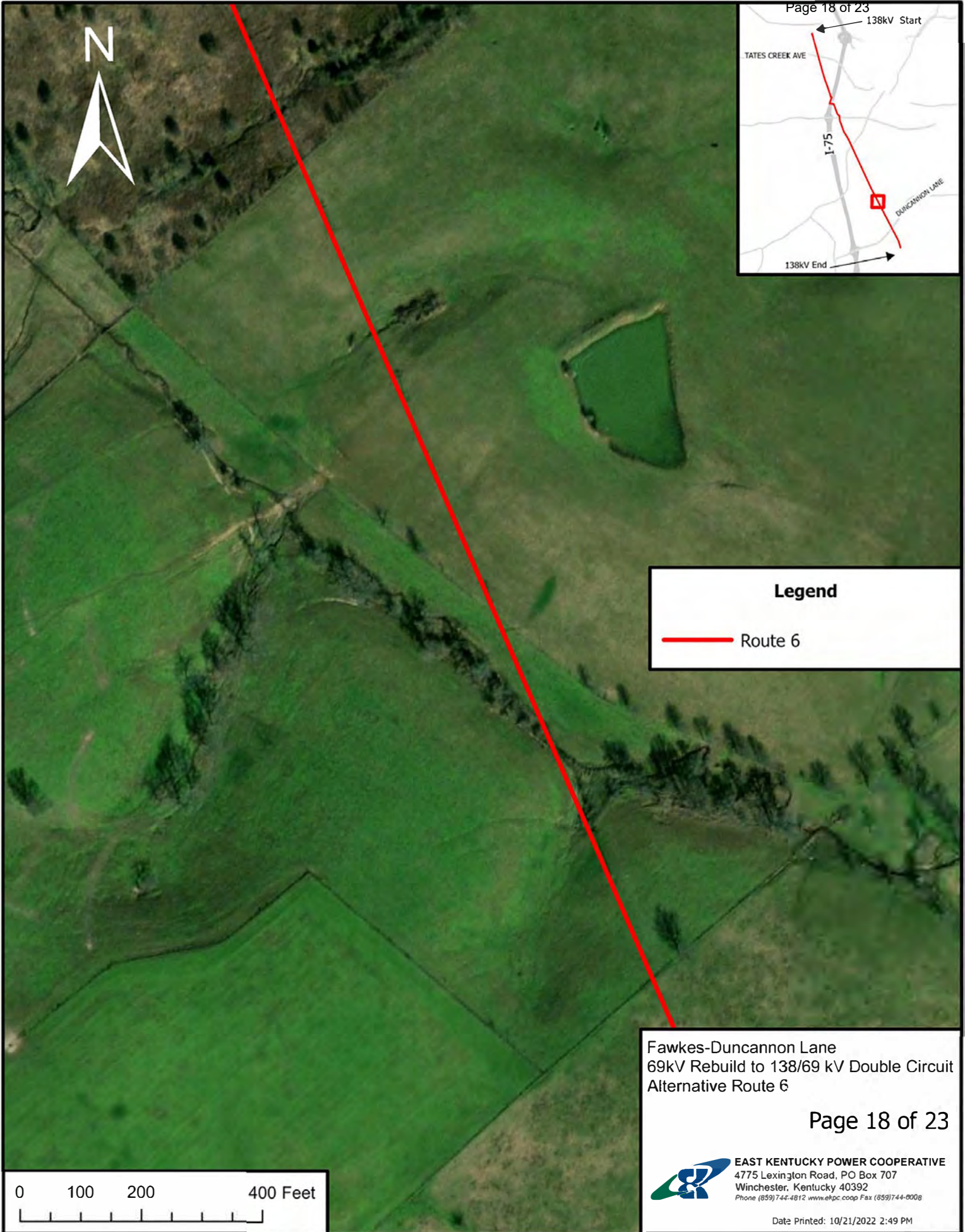
**Legend**

— Route 6

Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6



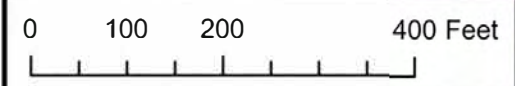




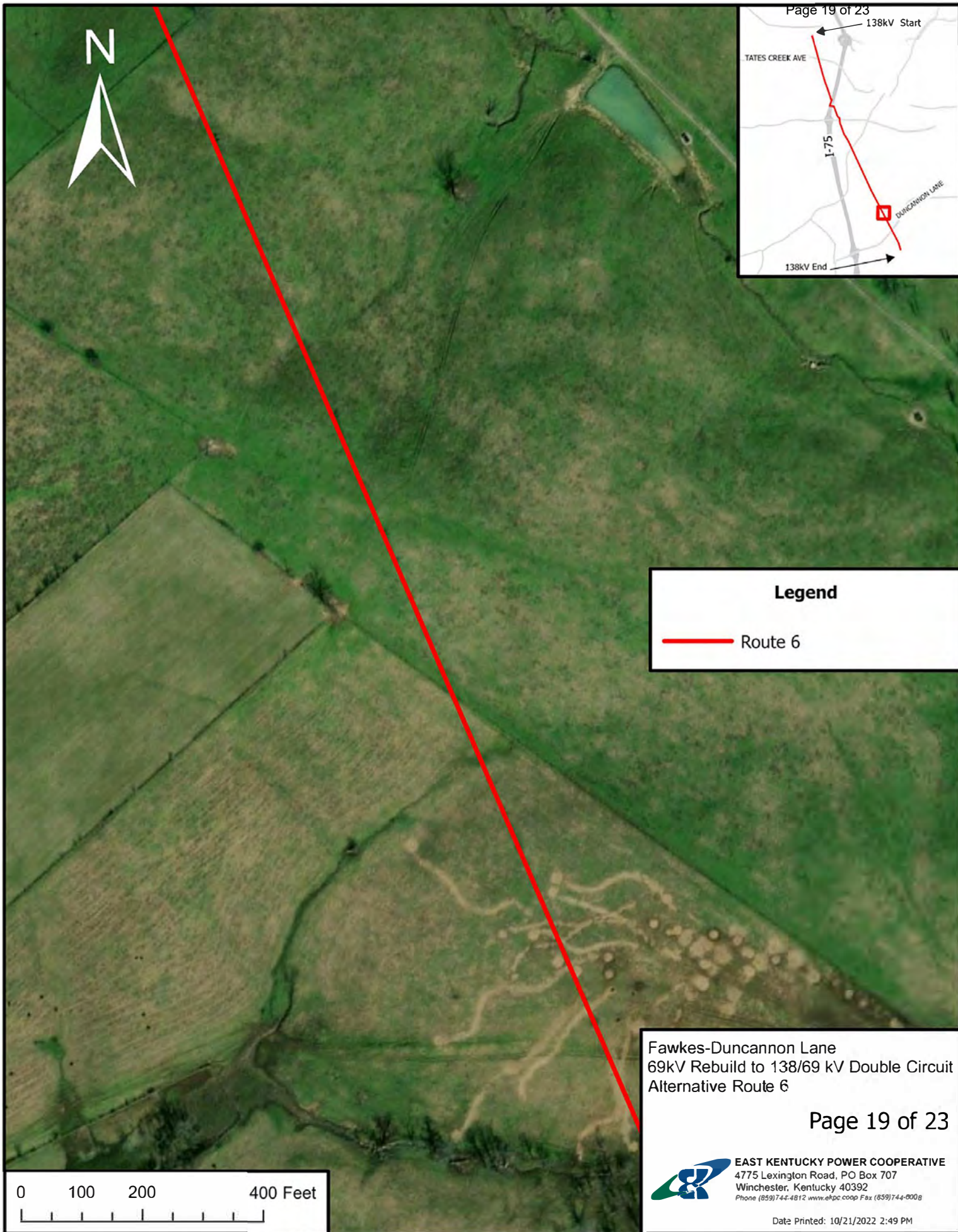
**Legend**

— Route 6

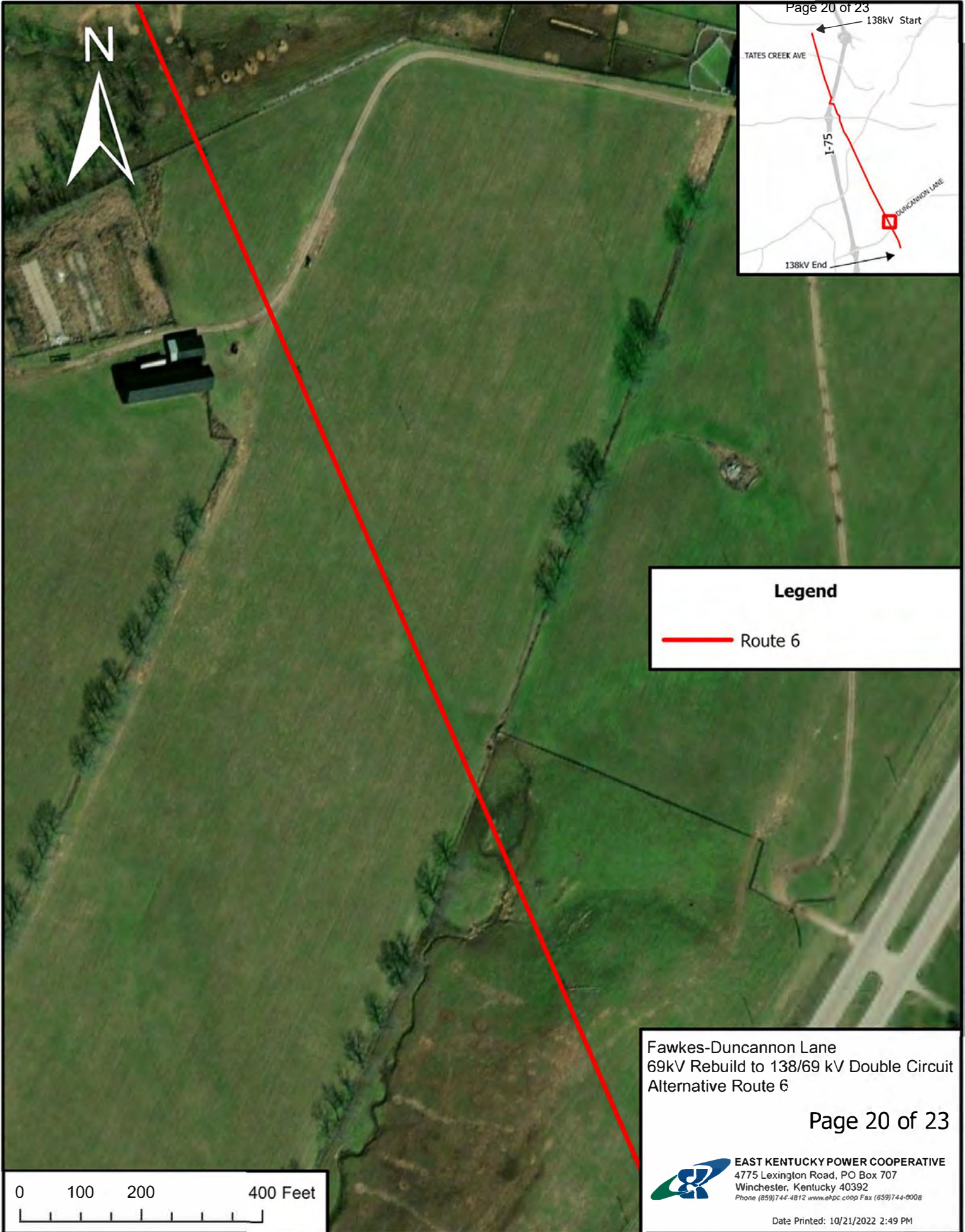
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6











**Legend**

— Route 6

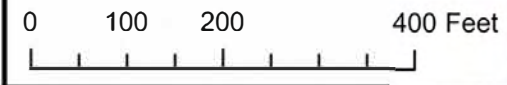
Fawkes-Duncannon Lane  
69kV Rebuild to 138/69 kV Double Circuit  
Alternative Route 6

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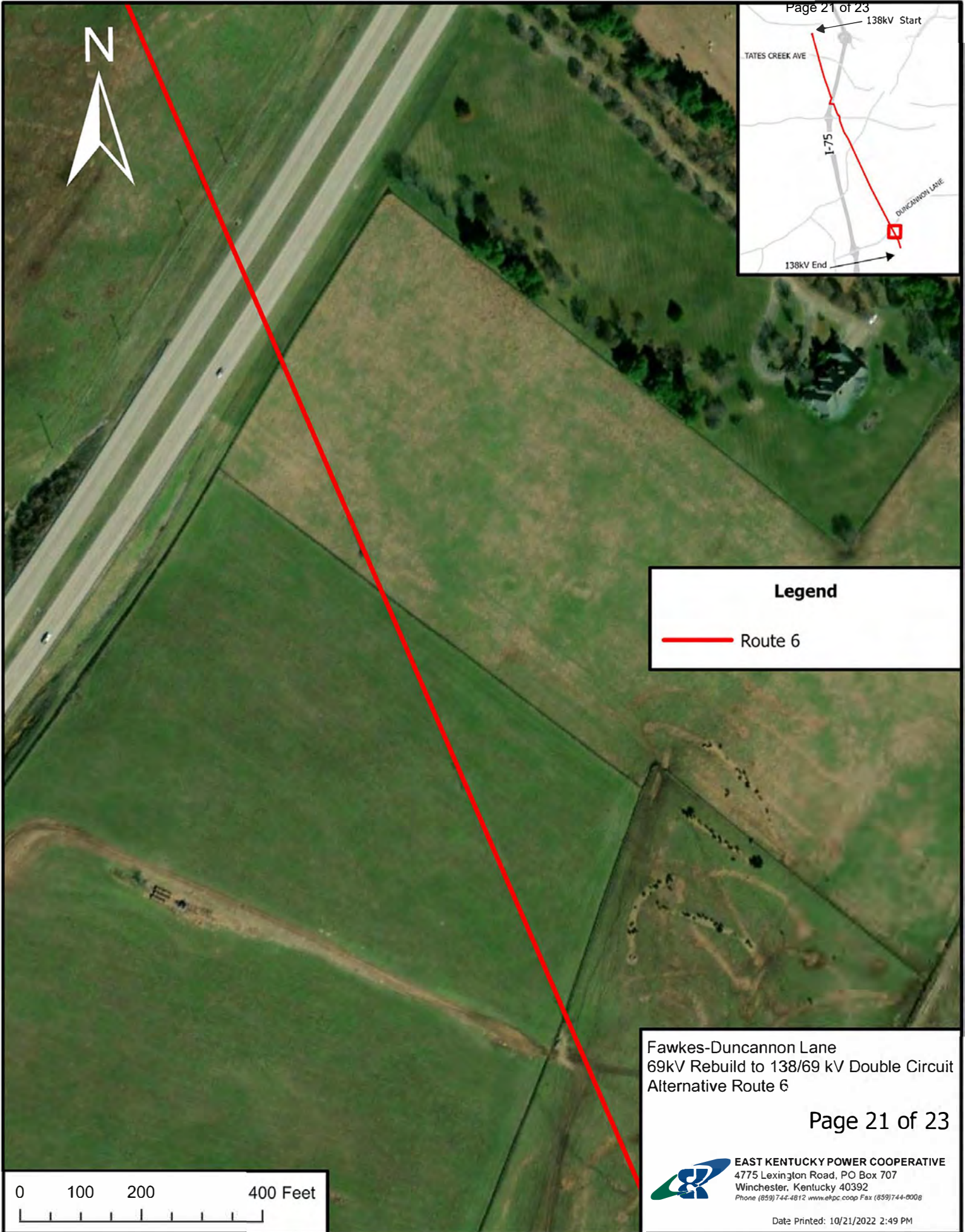


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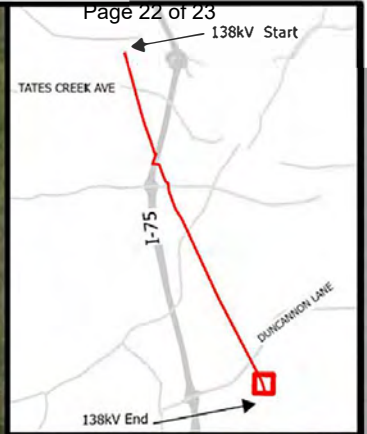
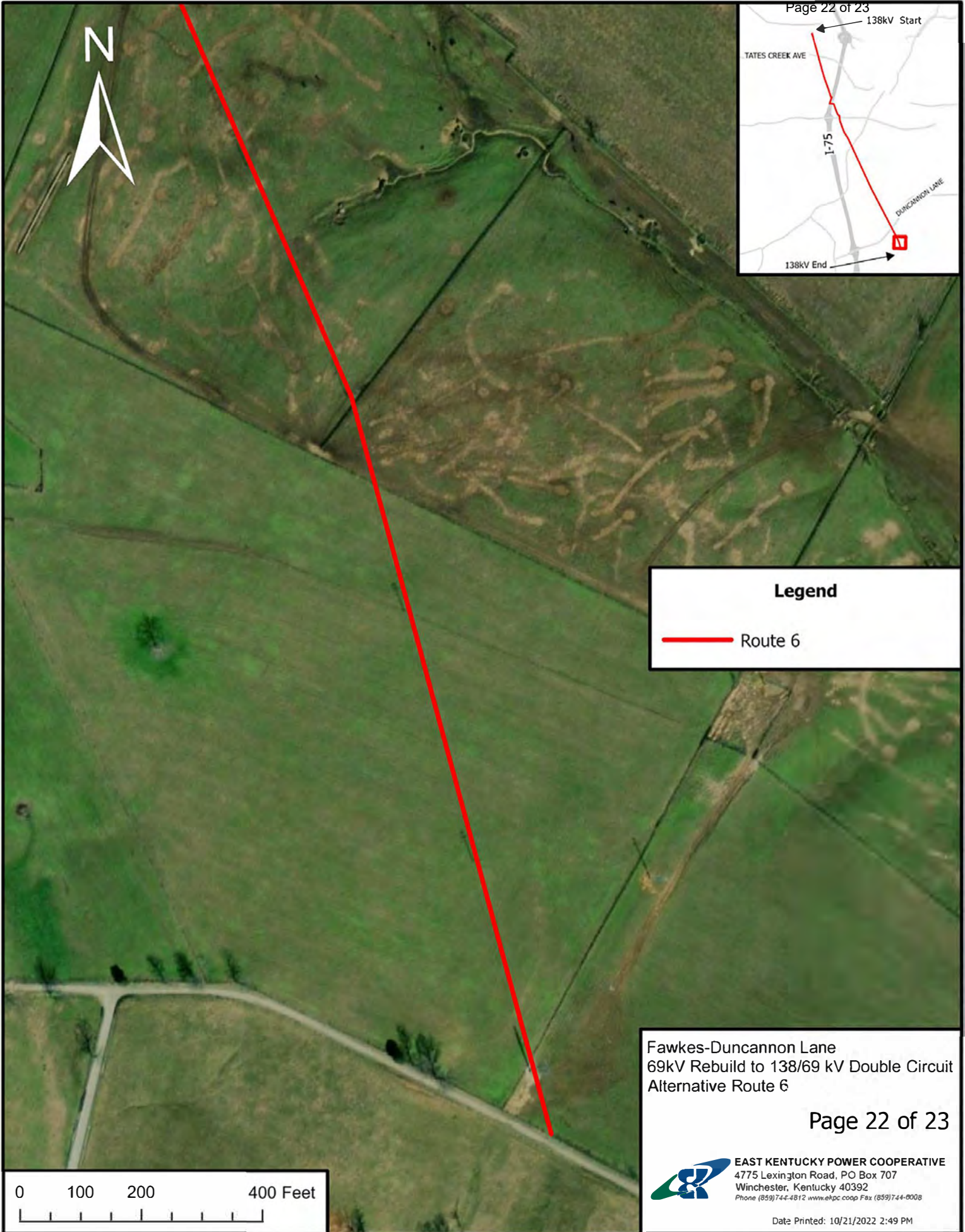
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