

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

In the Matter of:

Electronic Application Of Kentucky Power Company )	
For A Certificate of Public Convenience And )	
Necessity To Construct A 138 kV Transmission Line )	
And Associated Facilities Floyd And Knott Counties, )	Case No. 2021-00346
Kentucky (Garrett Area Improvements 138 kV )	
Transmission Project) )	

**Kentucky Power Company's Notice of Filing**

In accordance with Paragraph 6 of the Commission's March 8, 2022 Order in this proceeding, Kentucky Power files as **EXHIBIT A** to this notice a copy of Highway Encroachment Permit # 12-2023-00182 issued on May 13, 2024 by the Kentucky Transportation Cabinet Department of Highways.

Respectfully submitted,



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Katie M. Glass  
STITES & HARBISON PLLC  
421 West Main Street  
P. O. Box 634  
Frankfort, Kentucky 40602-0634  
Telephone: (502) 223-3477  
Facsimile: (502) 779-8349  
[kglass@stites.com](mailto:kglass@stites.com)

COUNSEL FOR KENTUCKY POWER  
COMPANY

## **Exhibit A**



**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 12 Office  
109 Loraine Street  
Pikeville, Kentucky 41501  
(606) 433-7791  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 13, 2024

KY Power Company  
Ryan Howell  
6809 North Mayo Trail  
Pikeville, Kentucky 41501

Subject: Permit #: 12-2023-00182  
Permit Type: Utilities - Electric  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jody G. Hunt".

Jody G. Hunt  
D12 Permits - Supervisor

Attachments



An Equal Opportunity Employer M/F/D



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET  
transportation.ky.gov

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

May 13, 2024

Kentucky Power Company  
6809 North Mayo Trail  
Pikeville, KY 41501

**Subject: Permit # 12-2023-00182**

Dear Applicant,

I am writing to inform you that the Kentucky Transportation Cabinet has reviewed your permit application and have the following approval conditions:

1. All work on KYTC ROW shall be performed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). Proper traffic control shall be implemented when delivering equipment, materials, and performing the work.
2. All traffic control shall be conducted by properly certified personnel.
3. All ingress and egress onto private property shall be the responsibility of the applicant.
4. This permit does not include any new entrance or temporary entrance approvals.
5. All overhead utility crossings shall maintain the minimum vertical clearances as set forth in the KYTC Permitting Manual.
6. Multi-lane crossings shall only be done on a Sunday of non-holiday weekends. Advance notice shall be given to District-12 Permits prior to crossings. All work shall be completed prior to 11am.
7. KYTC District-12 Permits Section shall be notified of upon start of project and upon completion of this project to perform a final inspection.

If you should have any comments or questions please feel free to contact me at (606) 433-7791.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jody G. Hunt".

Jody G. Hunt, P.E.  
Transportation Engineer Supervisor - Permits  
District 12, Pikeville  
MWH: SR: DT: BR:  
Enclosures:  
File





**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 12-2023-00182  
 \_\_\_\_\_  
**Permittee:** KY Power Company  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Electric  
 \_\_\_\_\_  
**Work Completion Date:** 12/31/2024  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$0.00	
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

This permit has been: **APPROVED**  **DENIED**

Jody G. Hunt D12 Permits - Supervisor 5/13/2024  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 7	37.472590	-82.830544
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 2029	37.478456	-82.891399
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Knott - KY 2029	37.471801	-82.901238



To Submit a Locate Request  
 24 Hours a Day, Seven Days a Week:  
 Call 811 or 800-752-6007

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Knott - KY 80	37.433701	-82.922967
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 80	37.470950	-82.850899

# Kentucky Encroachment Permit Tracking

## Maintenance Division



[Home](#) [Search+](#) [Reports+](#) [Add Permits](#) [Perks Data](#)

Welcome KYTC\dewayne.thornsbury!

[Sign Out](#)

### PERMIT QUICK SEARCH

Search Criteria: [Permit / Tracking #](#)

Search Value:

[Search](#)

### PERMIT GENERAL INFORMATION

Permit/Tracking #: A12-2023-00182

**Not Follow**

Permit Status: Approved

Status Date: 5/13/2024

District: 12 - Pikeville

Created By: Dewayne Thornsbury

Created Date: 11/16/2023

Filing Date: 11/16/2023

Cancellation Date: 12/31/2024

Completion Date: 12/31/2024

Permit Type: Utilities

Permit Subtype: Electric

#### KY Power Company : Applicant

Address: 6809 North Mayo Trail  
Pikeville, KY 41501

Phone: (606)216-0375

Email: dwilson@e3co.land

Company

[Maintain Contacts](#)

[Application](#) [Attachments](#) [Routing](#) [Comments](#) [Locations/Inspections](#) [Indemnity](#) [Approvals](#)

### LOCATION DATA

Description:  
Garrett - Softshell - Arial  
138kV transmission line over

#### MOST RECENT INSPECTION

There are no inspections for this location.

County: Multiple

Route: Multiple

BMP/EMP: Multiple

Activity: New Install

Location: Overhead

Contract Agr #:

Bridge #:

Description:

Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7. Work order # 42956979-03 BPID# P17083002.

[Edit](#)

[View on Map](#)

[Edit Permit](#)

v1.1.8762.29106



Kentucky Transportation Cabinet  
200 Mero Street, Frankfort, KY 40622

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# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

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## PERMITTEE

Name: KY Power Company  
Contact Person: Ryan Howell  
Address: 6809 North Mayo Trail  
City: Pikeville  
State: Kentucky  
Zip: 41501  
Telephone: (606) 216-0375

## PROJECT IDENTIFICATION

Permit Number: 12-2023-00182

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I wish to notify the Department of Highways that the above mentioned permit work and any necessary right-of-way restoration have been completed and are ready for final inspection.

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Permittee

---

Please return this form to the address below when work is completed and ready for final inspection.

Please Return to: Permit Engineer  
Department of Highways, District 12 Office  
109 Loraine Street  
Pikeville, Kentucky 41501  
(606) 433-7791  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 7	37.472590	-82.830544
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 2029	37.478456	-82.891399
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Knott - KY 2029	37.471801	-82.901238
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Knott - KY 80	37.433701	-82.922967

<b>LOCATION(S)</b>			
<b>Description</b>	<b>County - Route</b>	<b>Latitude</b>	<b>Longitude</b>
Garrett - Softshell - Arial 138kV transmission line over KY routes 80, 2029 and 7.	Floyd - KY 80	37.470950	-82.850899



KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
PERMITS BRANCH

TC 99-1A  
Rev. 10/2020  
Page 1 of 4

### APPLICATION FOR ENCROACHMENT PERMIT

KYTC KEPT #: 12-2023-00182

#### SECTION 1: APPLICANT CONTACT INFORMATION

<b>APPLICANT</b> Kentucky Power Company		<b>ADDRESS</b> 6809 North Mayo Trail	
<b>EMAIL</b>	<b>CITY</b> Pikeville	<b>STATE</b> KY	<b>ZIP</b> 41501
<b>CONTACT NAME 1</b> Ryan Howell		<b>EMAIL</b> rmhowell@aep.com	
<b>CONTACT NAME 2 (if applicable)</b> Derrick Wilson		<b>EMAIL</b> Dwilson@e3co.land	
		<b>PHONE #</b>	
		<b>CELL #</b>	
		<b>PHONE #</b>	
		<b>CELL #</b>	6062160375

#### SECTION 2: PROPOSED WORK LOCATION

<b>ADDRESS</b>	<b>CITY</b> Garrett	<b>STATE</b> Kentucky	<b>ZIP</b> 41630
<b>COUNTY</b> Knott	<b>ROUTE #</b> Various	<b>MILE POINT</b> NA	<b>LONGITUDE (X)</b> see exhibits
<b>LATITUDE (Y)</b> see exhibits			

#### ADDITIONAL LOCATION INFORMATION:

aerial 138kV Transmission line road crossings.

#### FOR KYTC USE ONLY

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

**ACCESS:**  Full  Partial  by Permit **LOCATION:**  Left  Right  Crossing

#### SECTION 3: GENERAL DESCRIPTION OF WORK

Garrett - Softshell - Aerial 138kV transmission line over KY routes 80, 2029 and 7. Work order # 42956979-03 BPID# P17083002.

THE UNDERSIGNED APPLICANT(s), being duly authorized representative(s) or owner(s), DO AGREE TO ALL ORIGINAL ~~UNEDITED~~ TERMS AND CONDITIONS ON THE TC 99-1A, pages 1-4.

*Ryan Howell*

CG35317FAG024CF...

SIGNATURE

10/24/2023

DATE

This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.



KENTUCKY TRANSPORTATION CABINET  
 Department of Highways  
**PERMITS BRANCH**

TC 99-1A  
 Rev. 10/2020  
 Page 2 of 4

## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

1. The permit, including this application and all related and accompanying documents and drawings making up the permit, remains in effect and is binding upon the Applicant/Permittee, its successors and assigns, as long as the encroachment(s) exists and also until the permittee is finally relieved by the Department of Highways from all its obligations.
2. Applicant shall meet all requirements of the Clean Water Act if the project will disturb one acre or more, the applicant shall obtain a KPDES KYR10 Permit from the Kentucky Division of Water. All disturbed areas shall meet the requirements of the Department of Highway's Standard Specifications, Sections 212 and 213, as amended.
3. **INDEMNITY:**
  - A. **PERFORMANCE BOND:** The permittee shall provide to the Department a performance bond according to the Permits Manual, Section PE-203 as a guarantee of conformance with the Department's Encroachment Permit requirements.
  - B. **PAYMENT BOND:** At the discretion of the department, a payment bond shall be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
  - C. **LIABILITY INSURANCE:** Liability insurance shall be required of the permittee (in an amount approved by the department) to cover all liabilities associated with the encroachment.
  - D. It shall be the responsibility of the permittee, its successors and assigns, to maintain all indemnities in full force and effect until the permittee is authorized to release the indemnity by the Department.
4. A copy of this application and all related documents making up the approved permit shall be given to the applicant and shall be made readily available for review at the work site at all times.
5. Perpetual maintenance of the encroachment is the responsibility of the permittee, its successors and assigns, with the approval of the Department as required, unless otherwise stated.
6. Permittee, its successors and assigns, shall comply with and agree to be bound by the requirements and terms of (a) this application and all related documents making up the approved permit, (b) by the Department's Permits Manual, and (c) by the Manual on Uniform Traffic Control Devices, both manuals as revised to and in effect on the date of issuance of the permit, all of which documents are made a part thereof by this reference. Compliance by the permittee, its successors and assigns, with subsequent revisions to applicable provisions of either manual or other policy of the Department may be made a condition of allowing the encroachment to persist under the permit.
7. Permittee agrees that this and any encroachment may be ordered removed by the Department at any time, and for any reason, upon thirty days written notice to the last known address of the applicant or to the address at the location of the encroachment. The permittee agrees that the cost of removing and of restoring the associated right-of-way is the responsibility of the permittee, its successors and assigns.
8. Permittee, its successors and assigns, agree that if the Department determines that motor vehicular safety deficiencies develop as a result of the installation or use of the encroachment, the permittee, its successors and assigns, shall provide and bear the expenses to adjust, relocate, or reconstruct the facilities, add signs, auxiliary lanes, or other corrective measures reasonably deemed necessary by the Department within a reasonable time after receipt of a written notice of such deficiency. The period within which such adjustments, relocations, additions, modifications, or other corrective measures must be completed will be specified in the notice.
9. Where traffic signals are required as a condition of granting the requested permit or are thereafter required to correct motor vehicular safety deficiencies, as determined by the Department, the costs for signal equipment and installation(s) shall be borne by the permittee, its successors and assigns and the Department in its reasonable discretion and only in accordance with the Department's current policy set forth in the Traffic Operations Manual and Permits Manual. Any modifications to the permittee's entrance necessary to accommodate signalization (including necessary easement(s) on private property) shall be the responsibility of the permittee, its successors and assigns, at no expense to the Department.



KENTUCKY TRANSPORTATION CABINET  
 Department of Highways  
 PERMITS BRANCH

TC 99-1A  
 Rev. 10/2020  
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### APPLICATION FOR ENCROACHMENT PERMIT

10. The requested encroachment shall not infringe on the frontage rights of an abutting owner without their written consent as hereinafter described. Each abutting owner shall express their consent, which shall be binding on their successors and assigns, by the submission of a notarized statement as follows, "I (we), \_\_\_\_\_, hereby consent to the granting of the permit requested by the applicant along Route \_\_\_\_\_, which permit does affect frontage rights along my (our) adjacent real property." By signature(s) \_\_\_\_\_, subscribed and sworn by \_\_\_\_\_, on this date \_\_\_\_\_.
11. The permit, if approved, is subject to the agreement that it shall not interfere with any similar rights or permit(s) previously granted to any other party, except as otherwise provided by law.
12. Permittee shall include documentation which describes the facilities to be constructed. Permittee, its successors and assigns, agree as a condition of the granting of the permit to construct and maintain any and all permitted facilities or other encroachments in strict accordance with the submitted and approved permit documentation and the policies and procedures of the Department. Permittee, its successors and assigns, shall not use facilities authorized herein in any manner contrary to that prescribed by the approved permit. Only normal usage as contemplated by the parties and by this application and routine maintenance are authorized by the permit.
13. Permittee, its successors and assigns, at all times from the date permitted work is commenced until such time as all permitted facilities or other encroachments are removed from the right-of-way and the right-of-way restored, **shall defend, protect, indemnify and save harmless** the Department from any and all liability claims and demands arising out of the work, encroachment, maintenance, or other undertaking by the permittee, its successors and assigns, related or undertaken pursuant to the granted permit, due to any claimed act or omission by the permittee, its servants, agents, employees, or contractors. This provision shall not inure to the benefit of any third party nor operate to enlarge any liability of the Department beyond that existing at common law or otherwise if this right to indemnity did not exist.
14. Upon a violation of any provision of the permit, or otherwise in its reasonable discretion, the Department may require additional action by the permittee, its successors and assigns, up to and including the removal of the encroachment and restoration of the right-of-way. In the event additional actions required by the Department under the permit are not undertaken as ordered and within a reasonable time, the Department may in its discretion cause those or other additional corrective actions to be undertaken and the Department shall recover the reasonable costs of those corrective actions from the permittee, its successors and assigns.
15. Permittee, its successors and assigns, shall use the encroachment premises in compliance with all requirements of federal law and regulation, including those imposed pursuant to Title VI of the Civil Right Act of 1964 (42 U.S.C. § 2000d et seq.) and the related regulations of the U.S. Department of Transportation in Title 49 C.F.R. Part 21, all as amended.
16. Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department may revoke permission for the encroachment to remain under the permit and may order its removal, relocation or reconstruction by the permittee, its successors and assigns, at the expense of the permittee, except where the Department is required by law to pay any or all of those costs.





KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
PERMITS BRANCH

TC 99-1A  
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Page 4 of 4

**APPLICATION FOR ENCROACHMENT PERMIT**

- 17. Permittee agrees that the authorized permit is personal to the permittee and shall remain in effect until such time as (a) the permittee's rights to the adjoining real property to have benefitted from the requested encroachment have been relinquished, (b) until all permit obligations have been assumed by appropriate successors and assigns, and (c) unless and until a written release from permit obligations has been granted by the Department. The permit and its requirements shall also bind the real property to have benefitted from the requested encroachment to the extent permitted by law. The permit and the related encroachment become the responsibility of the successors and assigns of the permittee and the successors and assigns of each property owner benefitting from the encroachment, or the encroachment may not otherwise permissibly continue to be maintained on the right-of-way. (Does not apply to utility encroachments serving the general public.)
- 18. If work authorized by the permit is within a highway construction project in the construction phase, it shall be the responsibility of the permittee to make personal contact with the Department's Engineer on the project in order to coordinate all permitted work with the Department's prime contractor on the project.
- 19. This permit is not intended to, nor shall it, affect, alter or alleviate any requirement imposed upon the permittee, its successors and assigns, by any other agency.
- 20. Permittee, its successors and assigns, agree to contain and maintain all dirt, mud, and other debris emanating from the encroachment away from the surrounding right-of-way and the travel way of the highway hereafter and at all times that its obligations under the permit remain in effect.
- 21. Before You Dig: The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
- 22. The undersigned Utility acknowledges ownership and control of the facilities proposed to be installed, modified, or extended by the Applicant/Permittee and agrees to be bound by the requirements and terms of this application and all related documents making up the approved permit, by the Department's Permits Guidance Manual, and by all applicable regulations and statutes in effect on the date of issuance of the permit. This information and application is certified correct to the best knowledge and belief of the undersigned Utility.

UTILITY

Ryan Howell

Right of way Agent

NAME (Utility Representative)

TITLE (Utility Representative)

*Ryan Howell*

10/24/2023

SIGNATURE (Utility Representative)

DATE



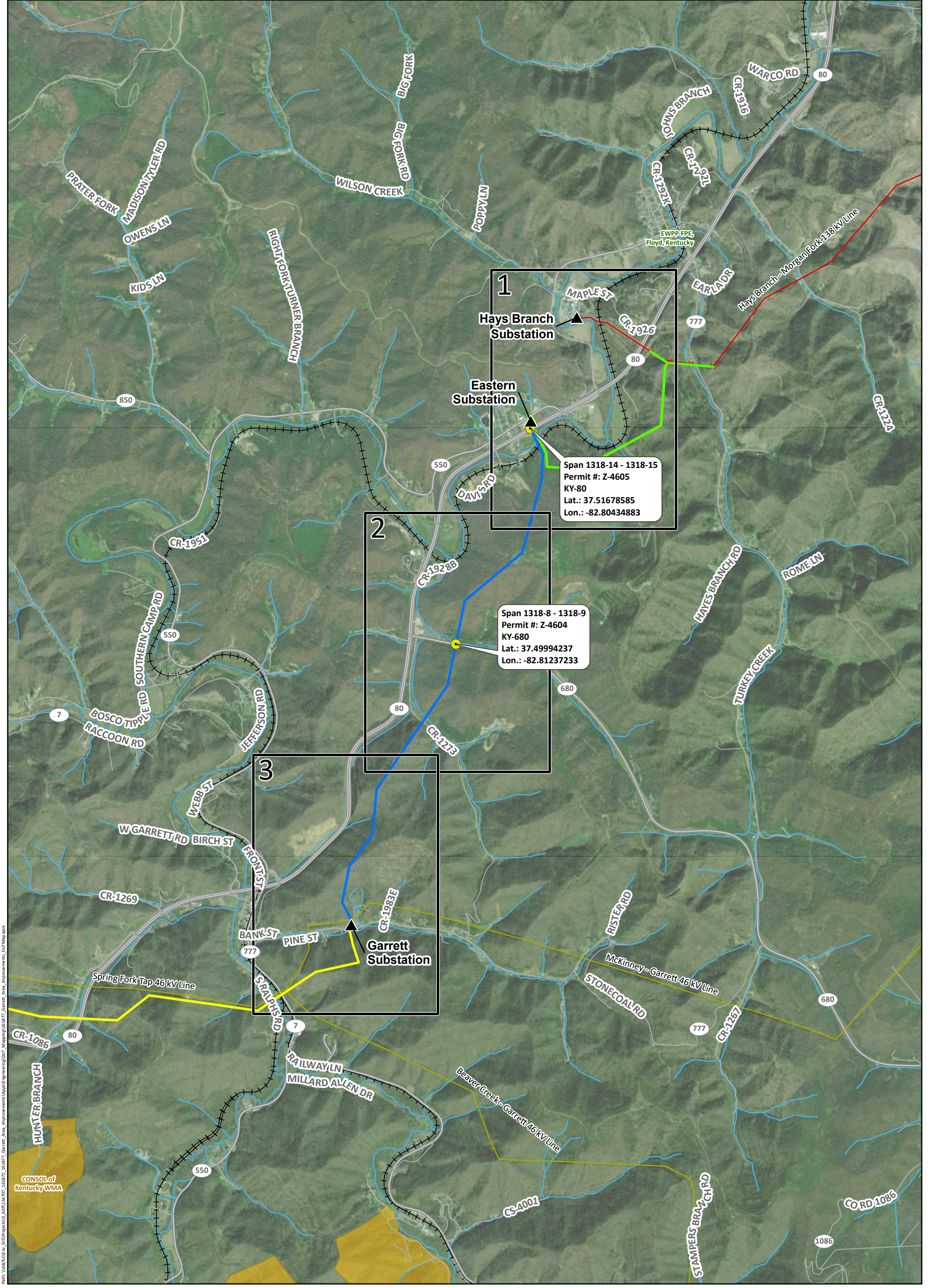
To Submit a Locate Request  
24 Hours a Day, Seven Days a Week:  
Call 811 or 800-752-6007



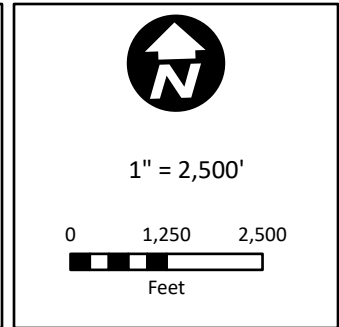
## Garrett Area Improvements DOT Crossing List

<b>Permit Dwg. #</b>	<b>Structure Range</b>	<b>DOT Crossing Name</b>
Z-4599	1317-14 to 1317-15	KY-80
Z-4600	1317-24 to 1317-25	KY-2029
Z-4601	1317-28 to 1317-29	KY-2029
Z-4602	1317-40 to 1317-41	KY-80
Z-4603	1317-47 to 1317-48	KY-7
Z-4604	1318-8 to 1318-9	KY-680
Z-4605	1318-14 to 1318-15	KY-80
Z-4606	1322-7 to 1322-8A&B	KY-80





	Permit Location		Existing Transmission Line (To Be Retired)
	Existing AEP Substation		Highway
	Garrett - Eastern 138kV Line		Road
	Eastern - Hays Branch/Morgan Fork 138kV Line		Railroad
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	46 kV		Federal Land
	Existing Transmission Line (138 kV)		State Land
			Map Tile



**DOT Permit Map**

Floyd County,  
Kentucky

Date: 11/16/2023  
Author: dvattelana  
Project: 161877

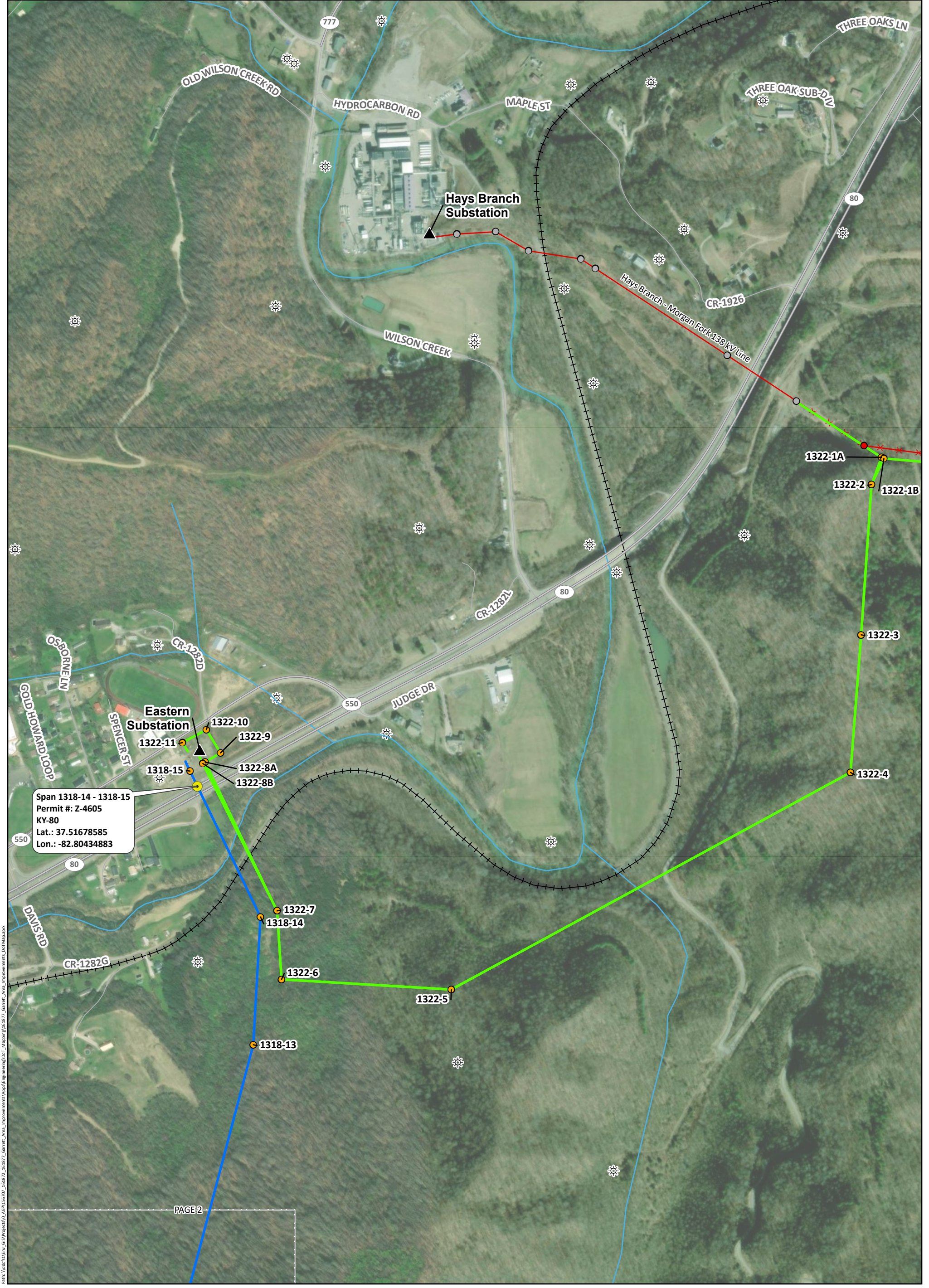
INDEX

**Garrett - Eastern 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083006  
**FOR PERMITS, NOT FOR CONSTRUCTION**

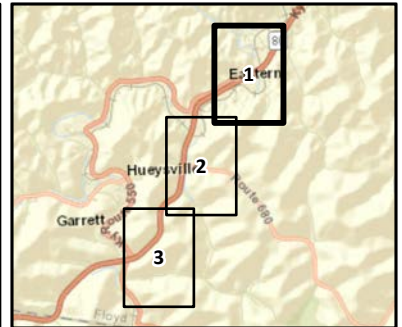
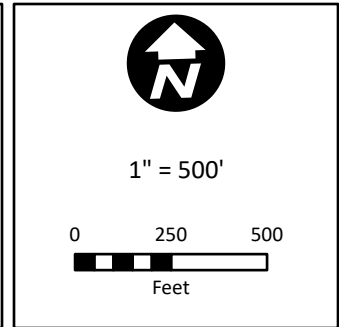
**AMERICAN ELECTRIC POWER**

**POWER ENGINEERS**





	Permit Location		Existing Transmission Line (138 kV)
	Existing AEP Substation		Existing Transmission Line (To Be Retired)
	Proposed KYPCo Structure		Oil & Gas Well
	Existing KYPCo Structure		Highway
	Existing KYPCo Structure (To Be Removed)		Road
	Garrett - Eastern 138kV Line		Railroad
	Eastern - Hays Branch/Morgan Fork 138kV Line		Stream (NHD)
			Map Tile



**DOT Permit Map**

Floyd County,  
Kentucky

Date: 11/16/2023  
Author: dvattelana  
Project: 161877

Page 1 of 3

**Garrett - Eastern 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083006  
**FOR PERMITS, NOT FOR CONSTRUCTION**

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PAGE 1

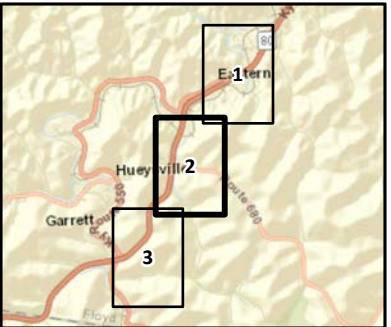
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Span 1318-8 - 1318-9  
 Permit #: Z-4604  
 KY-680  
 Lat.: 37.49994237  
 Lon.: -82.81237233

	Permit Location		Road
	Proposed KYPCo Structure		Railroad
	Garrett - Eastern 138kV Line		Stream (NHD)
	Oil & Gas Well		Map Tile
	Highway		

1" = 500'

0      250      500  
 Feet



**DOT Permit Map**

Floyd County,  
Kentucky

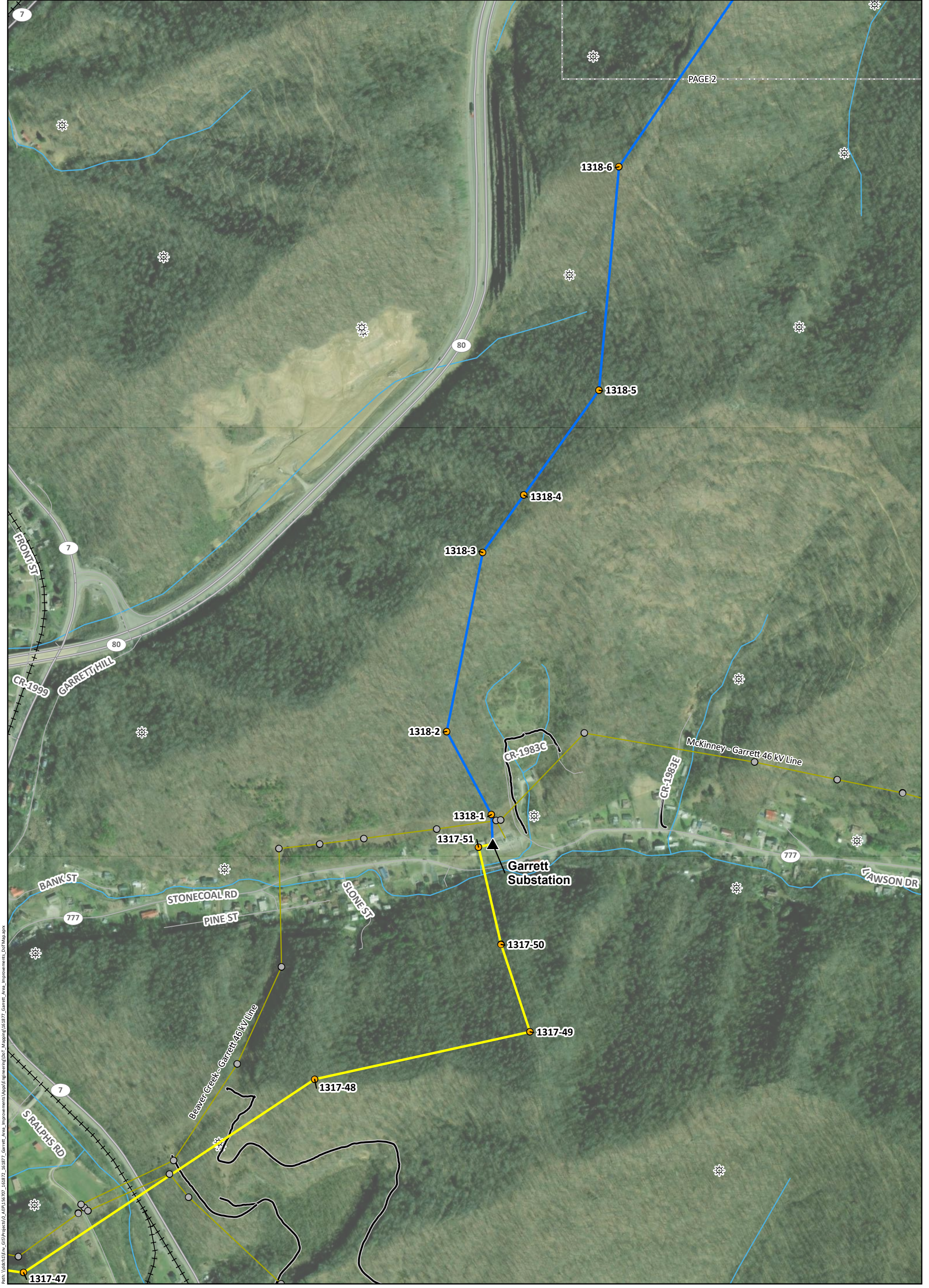
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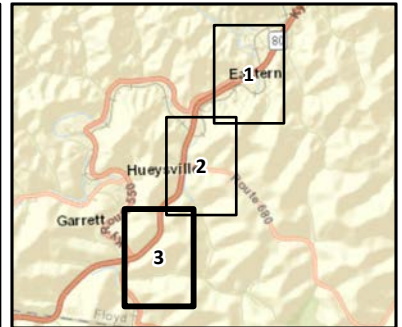
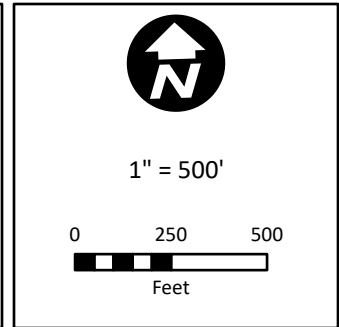
**Garrett - Eastern 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083006

**FOR PERMITS, NOT FOR CONSTRUCTION**





	Existing AEP Substation		Oil & Gas Well
	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Garrett - Eastern 138kV Line		Access Roads (ITIS)
	Garrett - Soft Shell 138kV Line		Railroad
	46 kV		Stream (NHD)
			Map Tile



**DOT Permit Map**

Floyd County,  
Kentucky

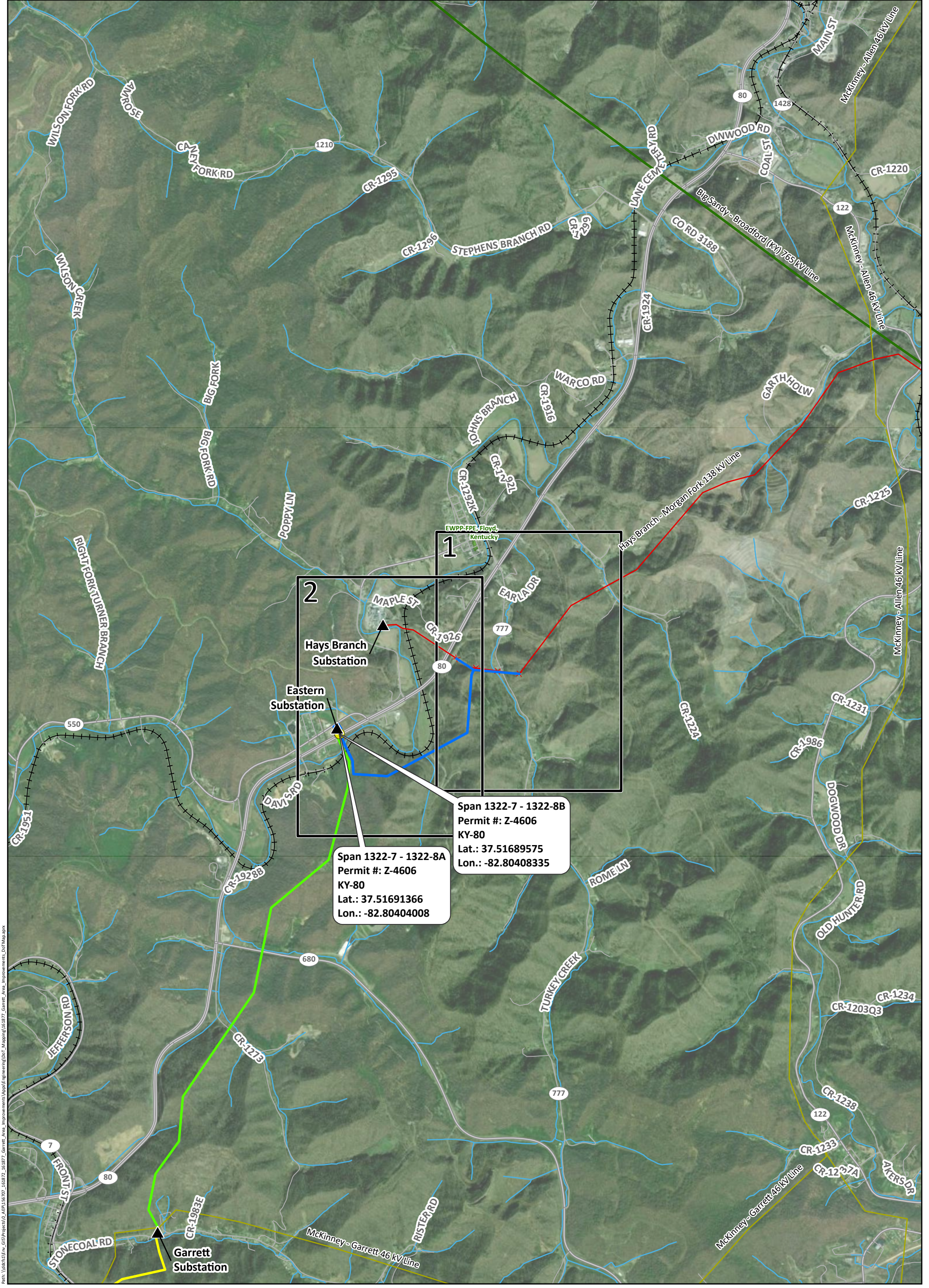
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Author: dvattelana  
Project: 161877

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**Garrett - Eastern 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083006  
**FOR PERMITS, NOT FOR CONSTRUCTION**

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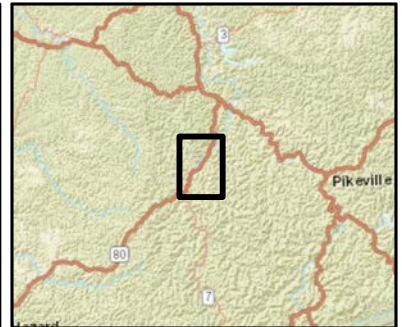
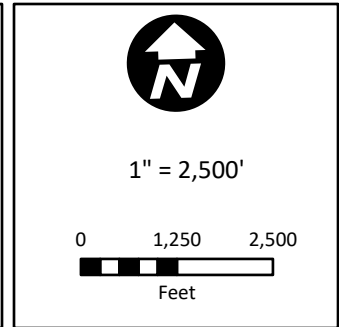




Span 1322-7 - 1322-8A  
 Permit #: Z-4606  
 KY-80  
 Lat.: 37.51691366  
 Lon.: -82.80404008

Span 1322-7 - 1322-8B  
 Permit #: Z-4606  
 KY-80  
 Lat.: 37.51689575  
 Lon.: -82.80408335

	Permit Location		765 kV
	Existing AEP Substation		Existing Transmission Line (To Be Retired)
	Eastern - Hays Branch/Morgan Fork 138kV		Highway
	Garrett - Eastern 138kV Line		Road
	Garrett - Soft Shell 138kV Line		Railroad
	46 kV		Stream (NHD)
	Existing Transmission Line (138 kV)		Federal Land
	Map Tile		



**DOT Permit Map**

Floyd County,  
 Kentucky

Date: 11/16/2023  
 Author: dvattelana  
 Project: 161875

INDEX

**Eastern - Hays Branch 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083031  
**FOR PERMITS, NOT FOR CONSTRUCTION**

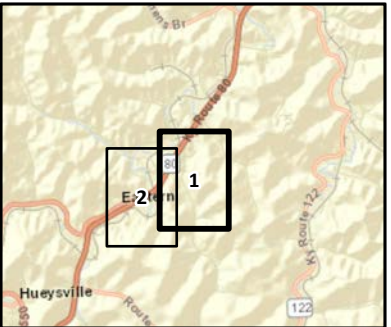
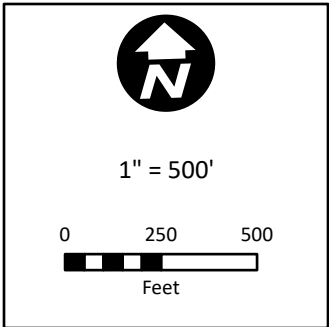
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	Proposed KYPCo Structure		Oil & Gas Well
	Existing KYPCo Structure		Highway
	Existing KYPCo Structure (To Be Removed)		Road
	Eastern - Hays Branch/Morgan Fork 138kV		Railroad
	Existing Transmission Line (138 kV)		Stream (NHD)
	Existing Transmission Line (To Be Retired)		Federal Land
			Map Tile



**DOT Permit Map**

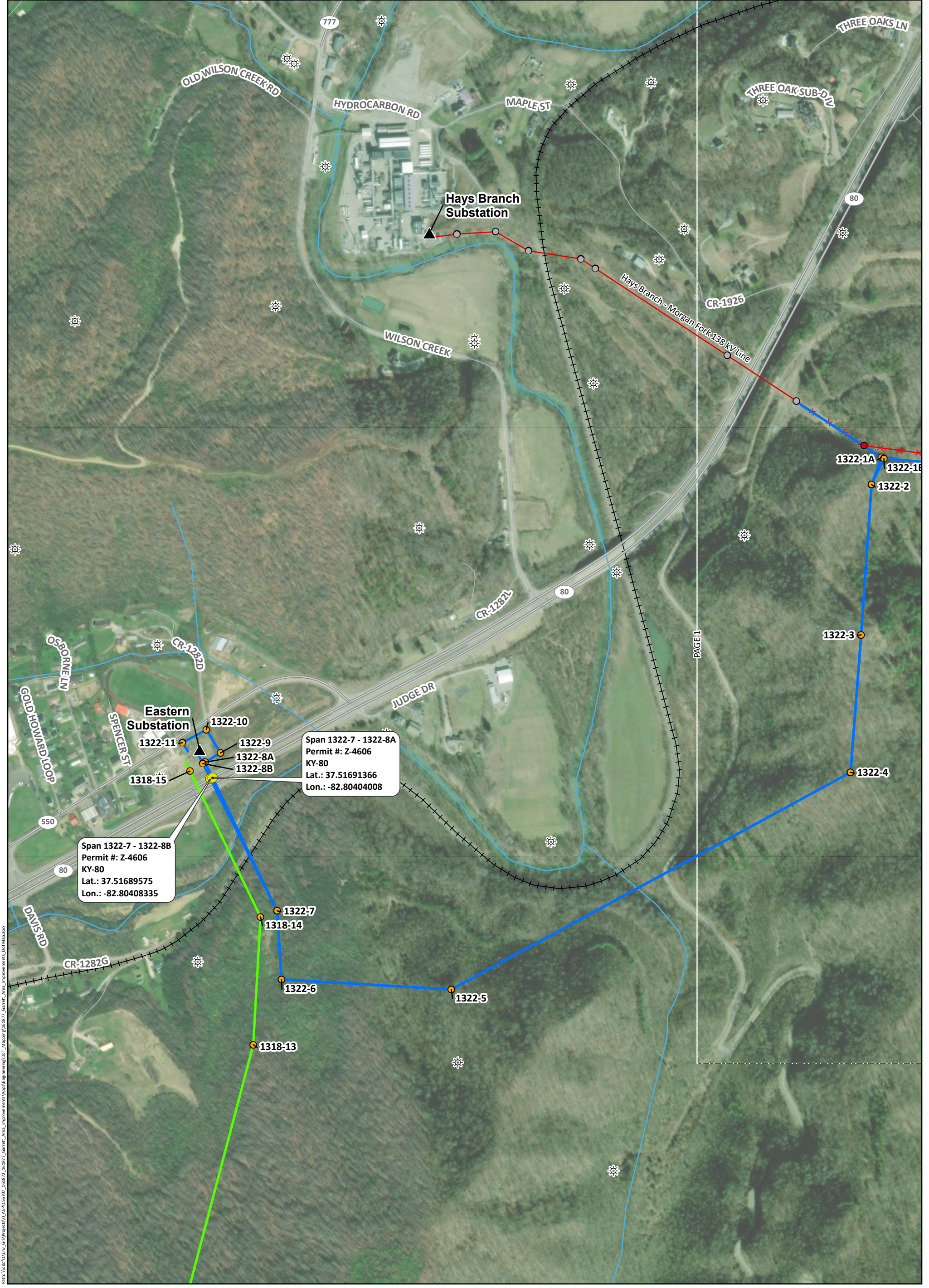
Floyd County,  
Kentucky

Date: 11/16/2023  
Author: dvatellana  
Project: 161875

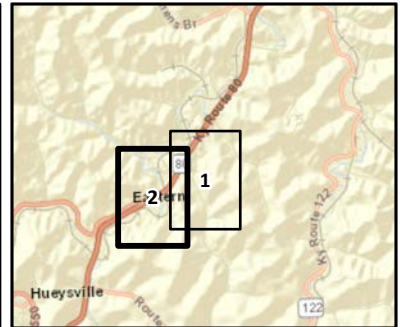
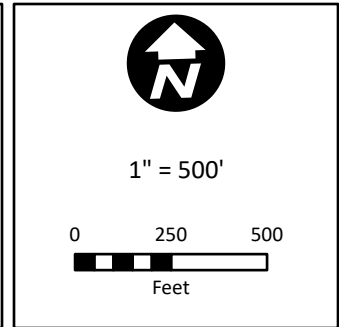
Page 1 of 2

**Eastern - Hays Branch 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083031  
**FOR PERMITS, NOT FOR CONSTRUCTION**





	Permit Location		Existing Transmission Line (To Be Retired)
	Existing AEP Substation		Oil & Gas Well
	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Existing KYPCo Structure (To Be Removed)		Railroad
	Eastern - Hays Branch/Morgan Fork 138kV		Stream (NHD)
	Garrett - Eastern 138kV Line		Map Tile
	Existing Transmission Line (138 kV)		



**DOT Permit Map**

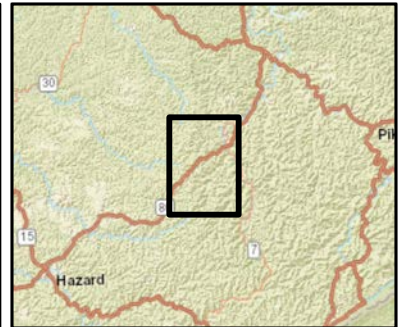
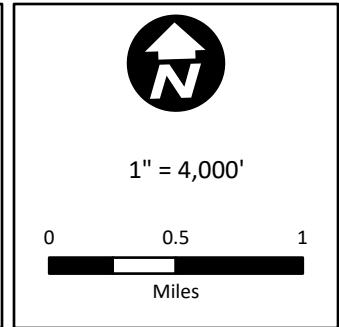
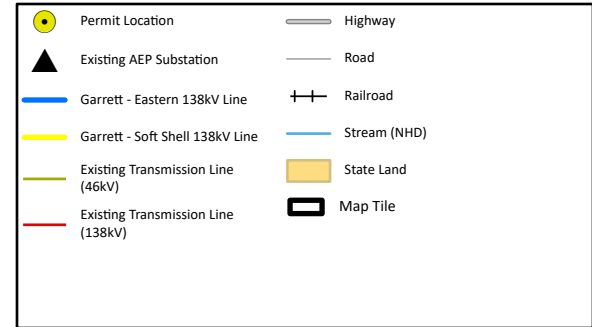
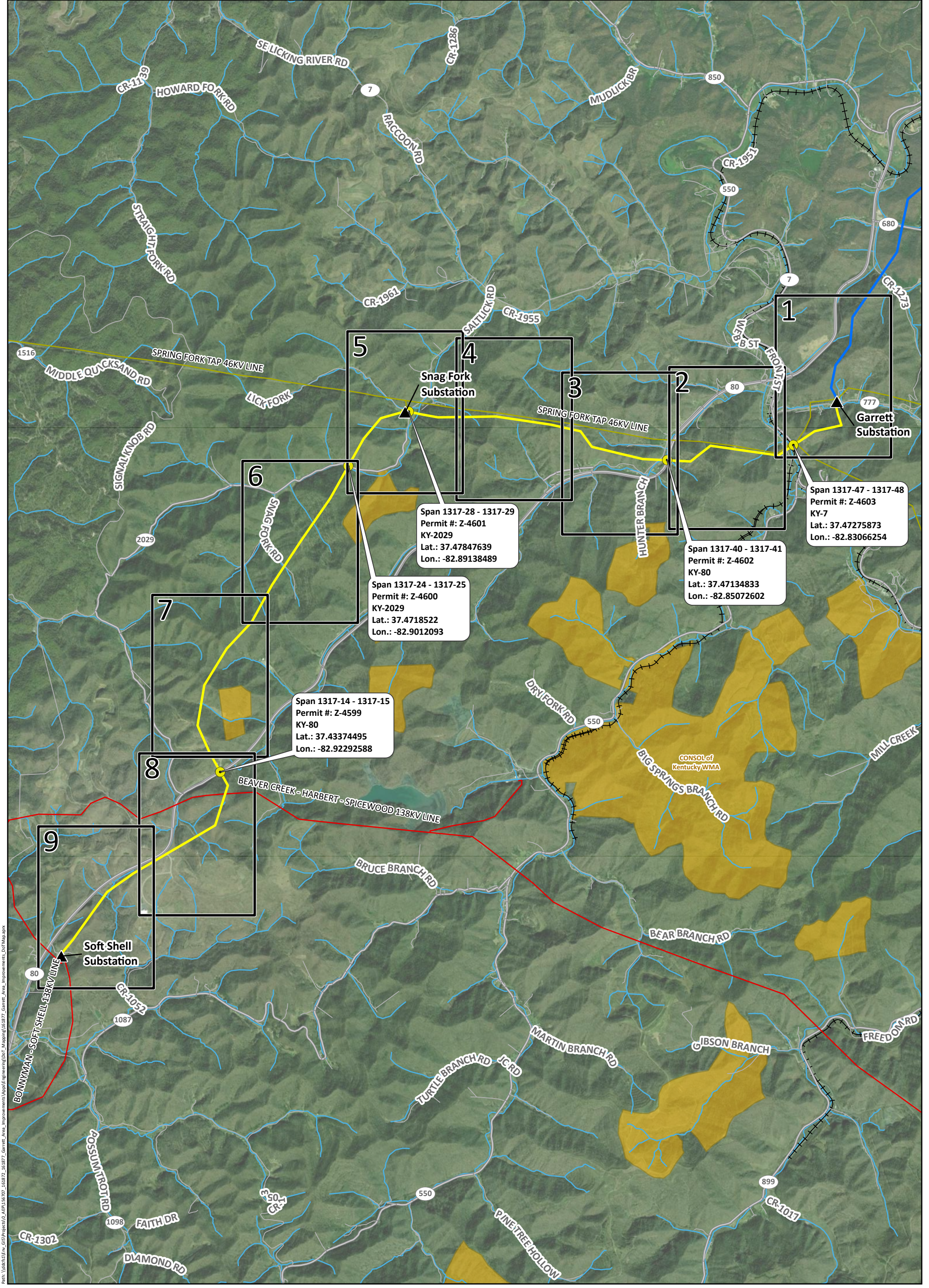
Floyd County, Kentucky

Date: 11/16/2023  
 Author: dvattelana  
 Project: 161875

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**Eastern - Hays Branch 138kV Line**  
 Garrett Area 138kV Improvements Project  
 P17083031  
**FOR PERMITS, NOT FOR CONSTRUCTION**





**DOT Permit Map**

Floyd and Knott Counties,  
Kentucky

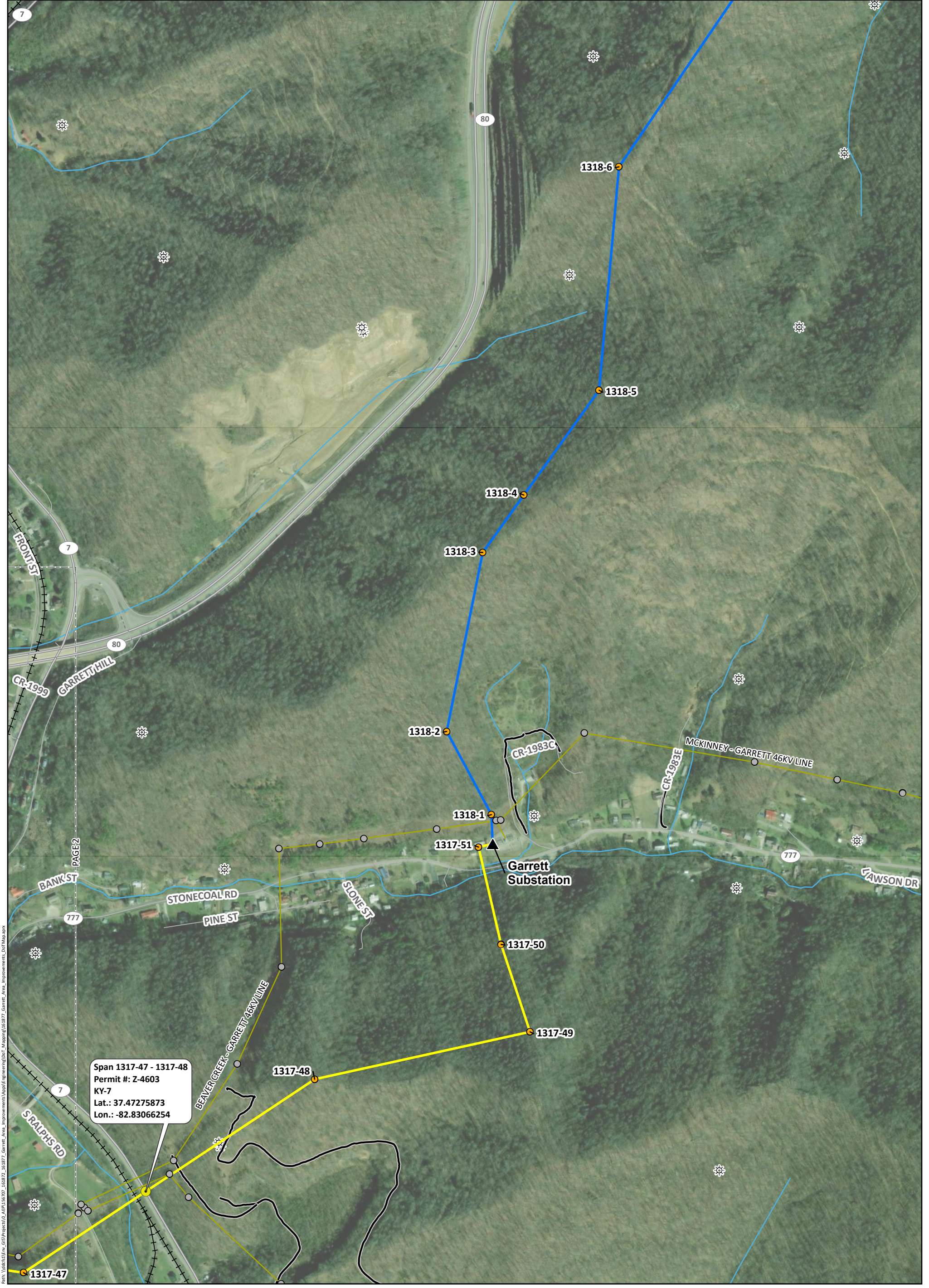
INDEX

Date: 11/16/2023  
 Author: dvattelana  
 Project: 156707

**Garrett – Soft Shell 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**

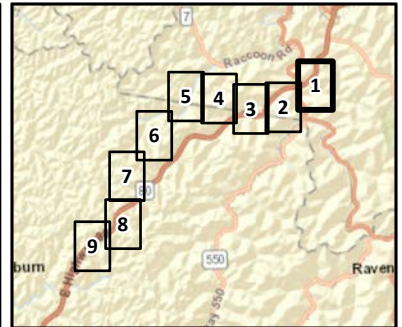
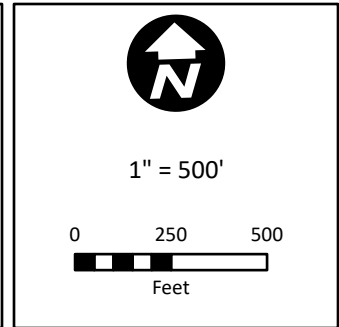
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Span 1317-47 - 1317-48  
 Permit #: Z-4603  
 KY-7  
 Lat.: 37.47275873  
 Lon.: -82.83066254

	Permit Location		Oil & Gas Well
	Existing AEP Substation		Highway
	Proposed KYPCo Structure		Road
	Existing KYPCo Structure		Access Roads (ITIS)
	Garrett - Eastern 138kV Line		Railroad
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	Existing Transmission Line (46kV)		Map Tile



**DOT Permit Map**

Floyd County,  
 Kentucky

Date: 11/16/2023  
 Author: dvattelana  
 Project: 156707

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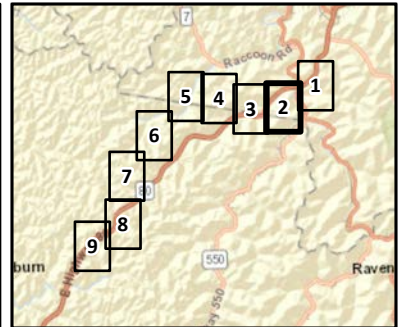
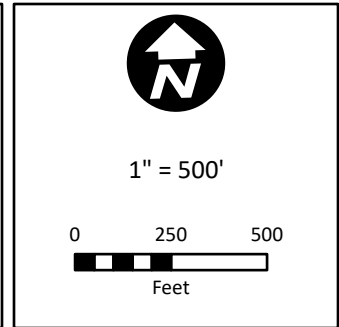
**Garrett – Soft Shell 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**





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	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Garrett - Soft Shell 138kV Line		Access Roads (ITIS)
	Existing Transmission Line (46kV)		Railroad
	Oil & Gas Well		Stream (NHD)
			Map Tile



**DOT Permit Map**

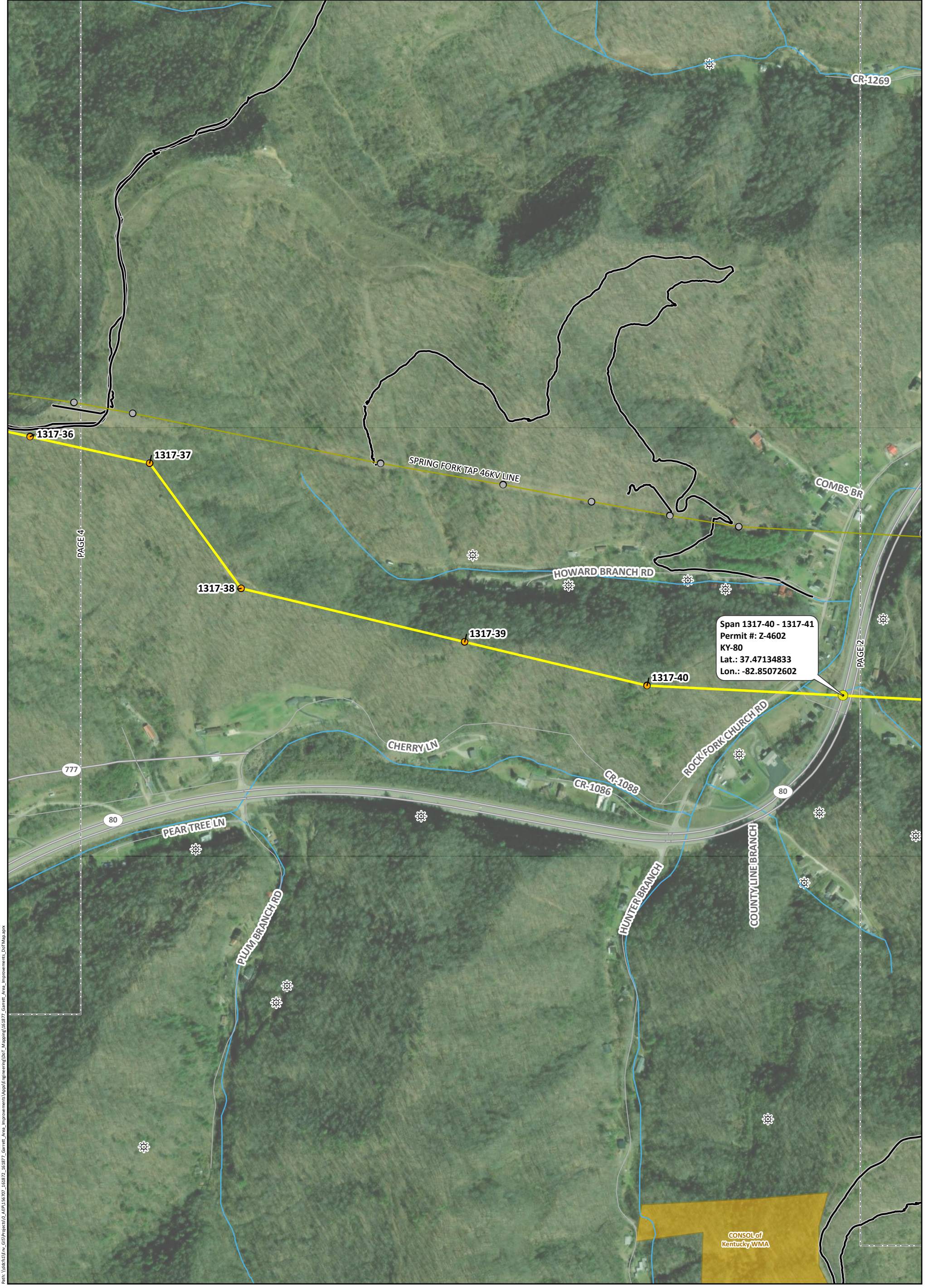
Floyd County,  
Kentucky

Date: 11/16/2023  
Author: dvattelana  
Project: 156707

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**Garrett – Soft Shell 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**





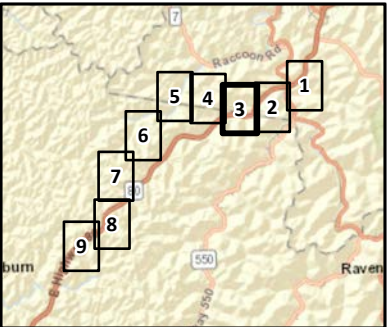
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 KY-80  
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	Permit Location		Highway
	Proposed KYPCo Structure		Road
	Existing KYPCo Structure		Access Roads (ITIS)
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	Existing Transmission Line (46kV)		State Land
	Oil & Gas Well		Map Tile

1" = 500'

0      250      500  
 Feet



**DOT Permit Map**

---

Floyd County,  
Kentucky

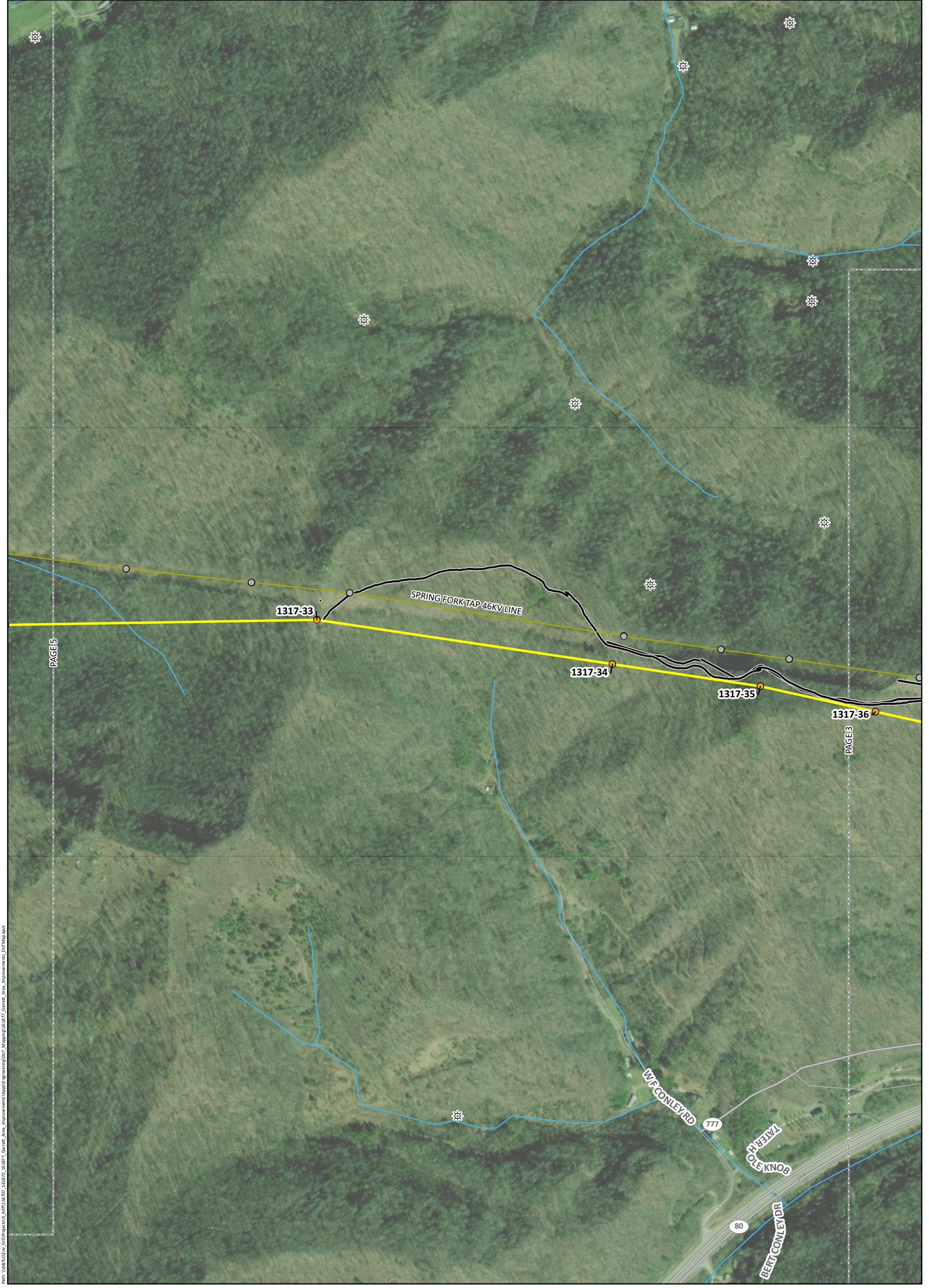
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Date: 11/16/2023  
 Author: dvatellana  
 Project: 156707

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**Garrett – Soft Shell 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**



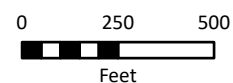


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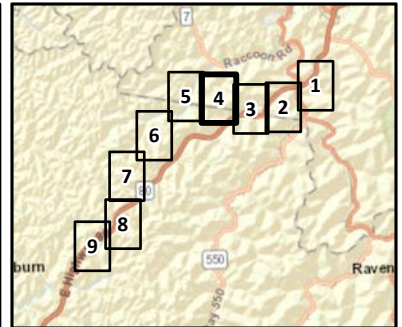
	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Garrett - Soft Shell 138kV Line		Access Roads (ITIS)
	Existing Transmission Line (46kV)		Stream (NHD)
	Oil & Gas Well		Map Tile



1" = 500'



0 250 500  
Feet





**DOT Permit Map**

Floyd County,  
Kentucky

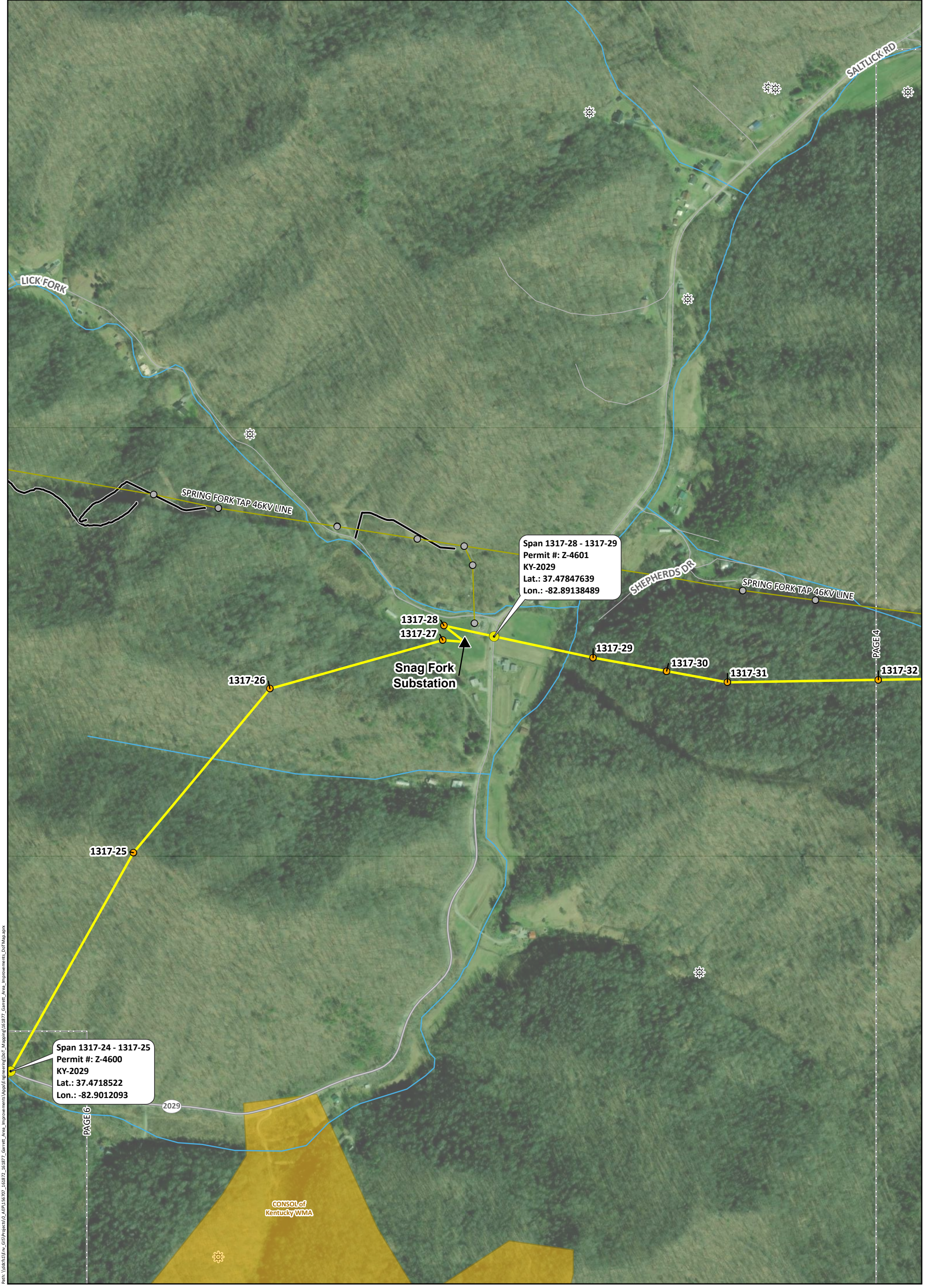
Date: 11/16/2023  
Author: dvattelana  
Project: 156707

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**Garrett – Soft Shell 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**

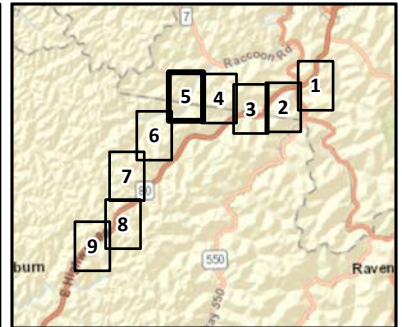
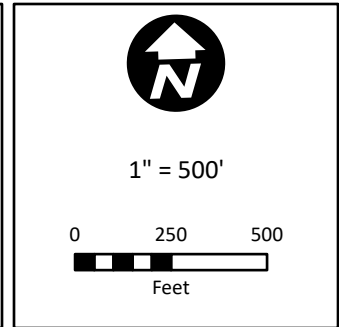







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	Permit Location		Oil & Gas Well
	Existing AEP Substation		Highway
	Proposed KYPCo Structure		Road
	Existing KYPCo Structure		Access Roads (ITIS)
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	Existing Transmission Line (46kV)		State Land
			Map Tile



**DOT Permit Map**

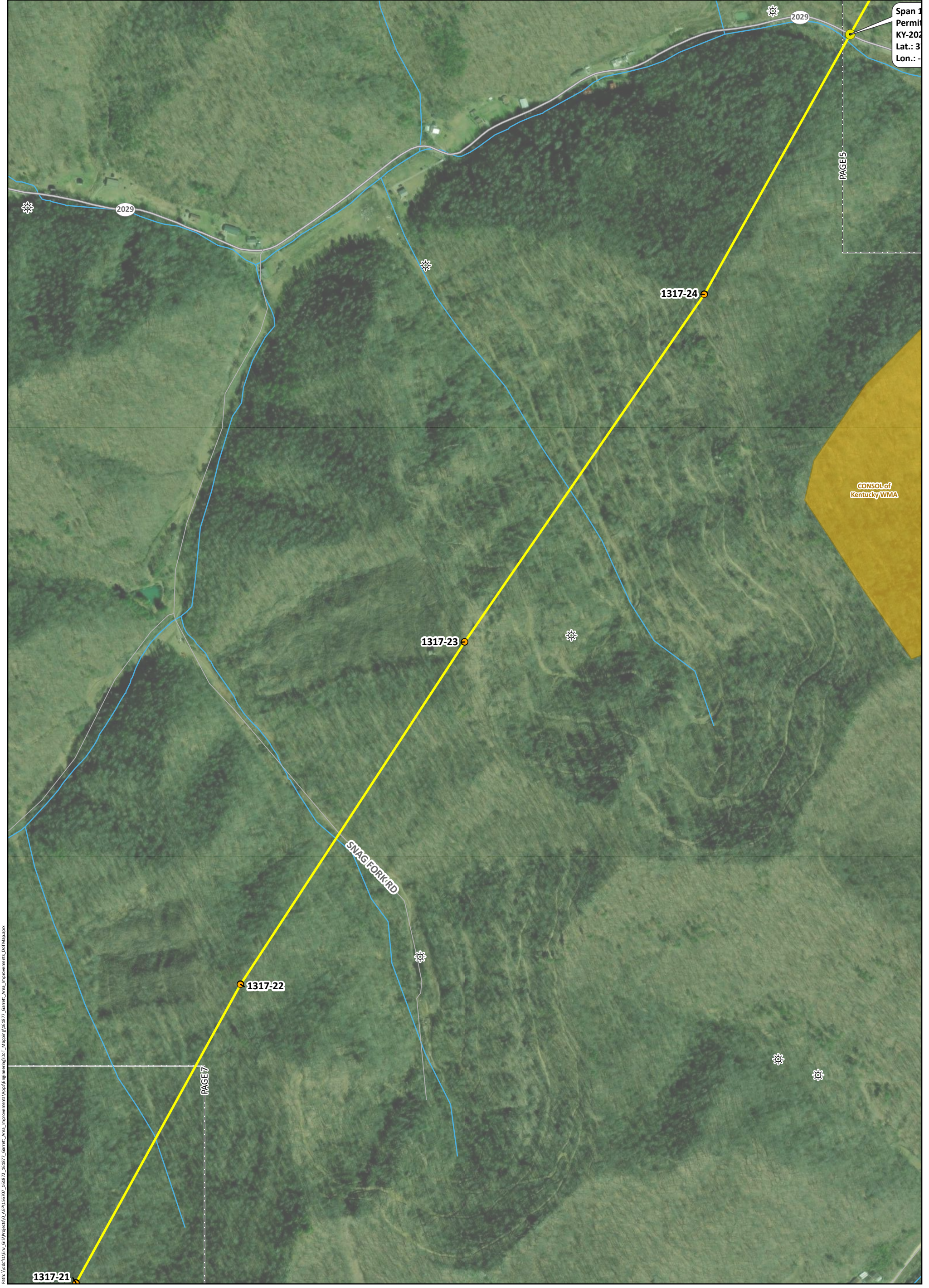
Floyd and Knott Counties,  
 Kentucky

Date: 11/16/2023  
 Author: dvattelana  
 Project: 156707

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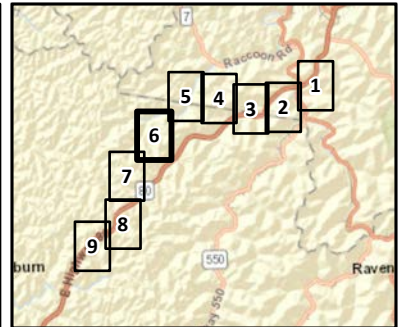
**Garrett – Soft Shell 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**





	Permit Location		Road
	Proposed KYPCo Structure		Stream (NHD)
	Garrett - Soft Shell 138kV Line		State Land
	Oil & Gas Well		Map Tile
	Highway		

1" = 500'  
  
 Feet



**DOT Permit Map**

Knott County,  
Kentucky

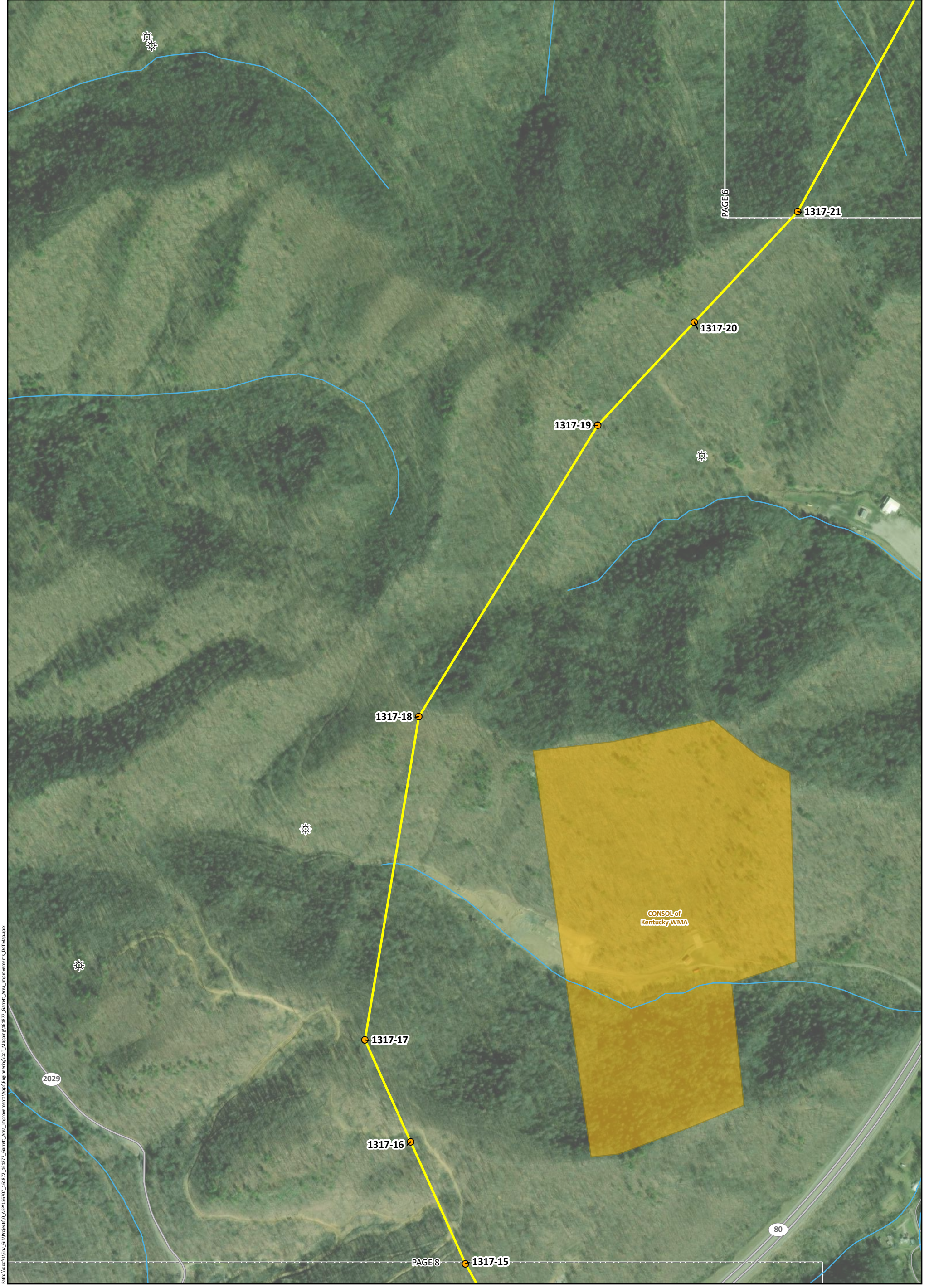
Date: 11/16/2023  
Author: dvattelana  
Project: 156707

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**Garrett – Soft Shell 138kV Line**  
 Garrett Area 138kV Improvements  
 Project  
 P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**


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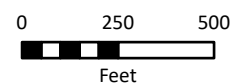


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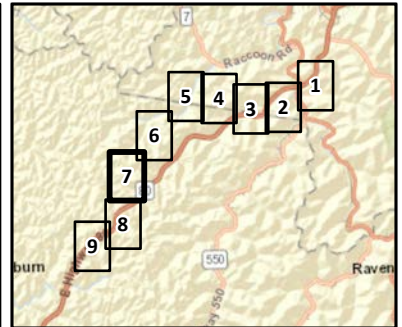
	Proposed KYPCo Structure
	Garrett - Soft Shell 138kV Line
	Oil & Gas Well
	Highway
	Road
	Stream (NHD)
	State Land
	Map Tile





1" = 500'



0 250 500  
Feet



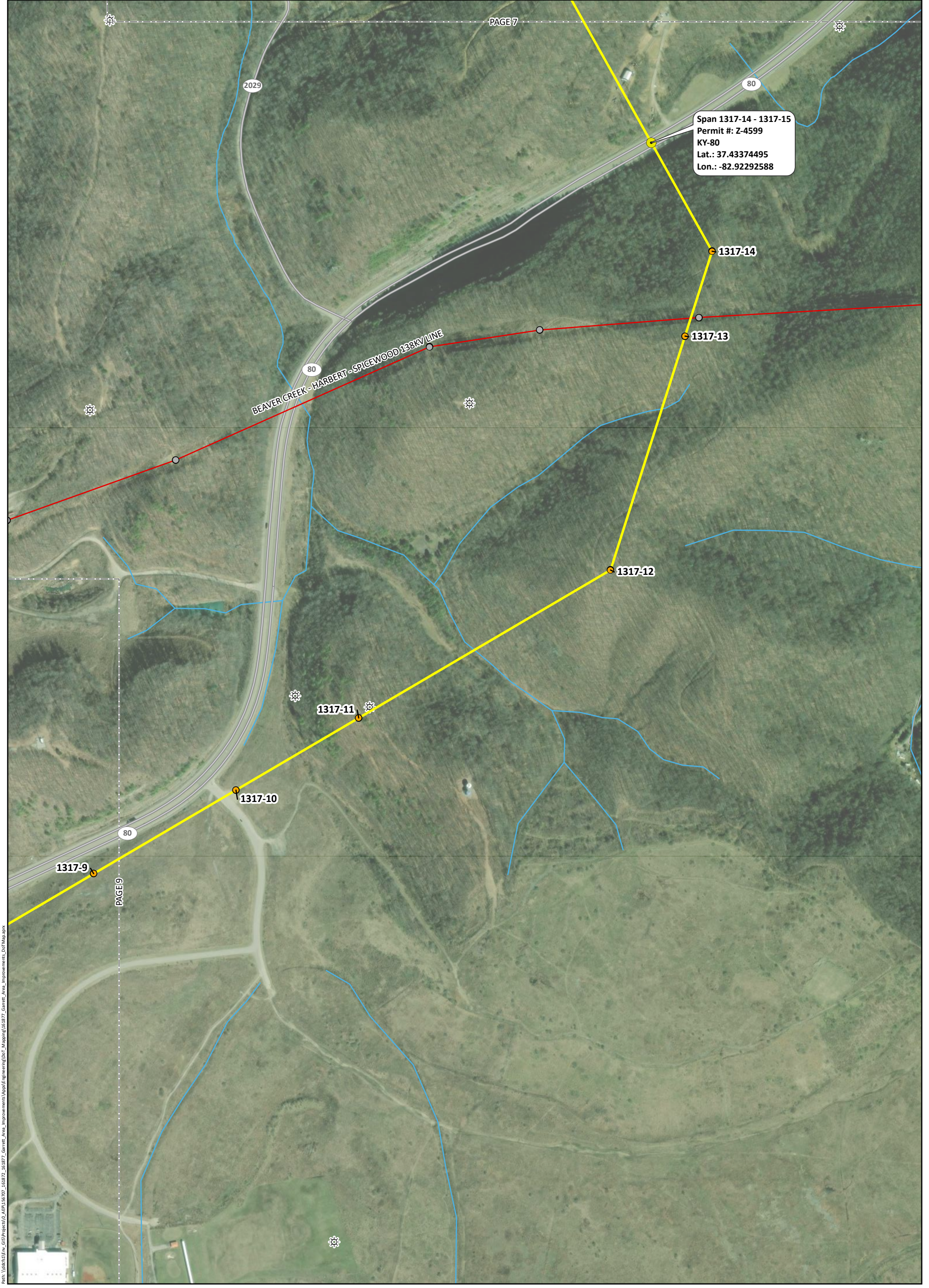
<b>DOT Permit Map</b>	
Knott County, Kentucky	
Date: 11/16/2023 Author: dvattelana Project: 156707	Page 7 of 9

<b>Garrett – Soft Shell 138kV Line</b> Garrett Area 138kV Improvements Project P17083001 <b>FOR PERMITS, NOT FOR CONSTRUCTION</b>	
	



Span 1317-14 - 1317-15  
Permit #: Z-4599  
KY-80  
Lat.: 37.43374495  
Lon.: -82.92292588

BEAVER CREEK - HARBERT - SPICEWOOD 138KV LINE

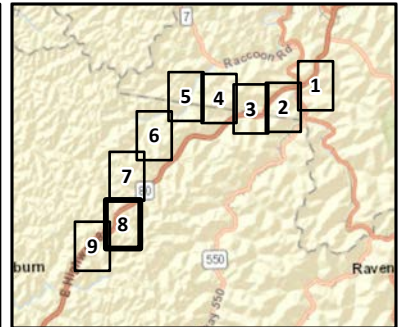


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	Permit Location		Oil & Gas Well
	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	Existing Transmission Line (138kV)		Map Tile

1" = 500'

0 250 500  
Feet



DOT Permit Map

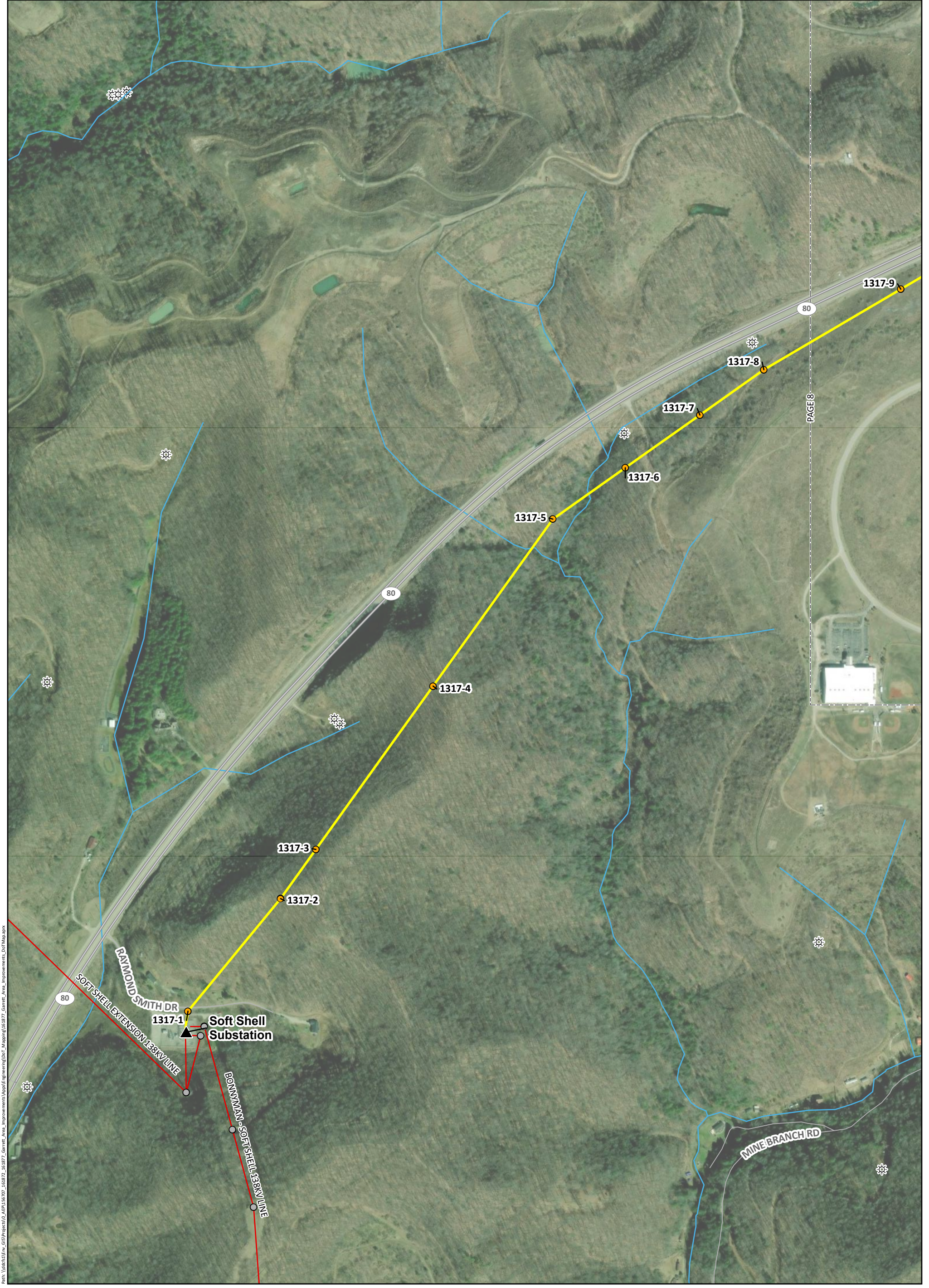
Knott County,  
Kentucky

Date: 11/16/2023  
Author: dvattelana  
Project: 156707

Page 8 of 9

**Garrett – Soft Shell 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083001  
**FOR PERMITS, NOT FOR CONSTRUCTION**

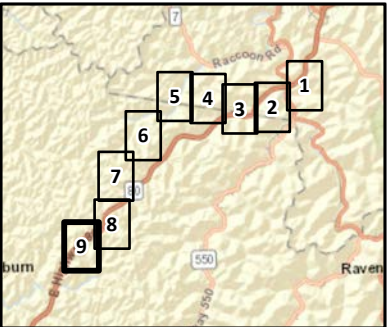
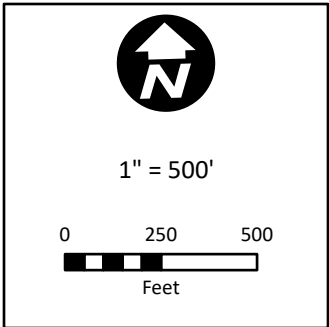




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PAGE 8

	Existing AEP Substation		Oil & Gas Well
	Proposed KYPCo Structure		Highway
	Existing KYPCo Structure		Road
	Garrett - Soft Shell 138kV Line		Stream (NHD)
	Existing Transmission Line (138kV)		Map Tile



**DOT Permit Map**

Knott County,  
Kentucky

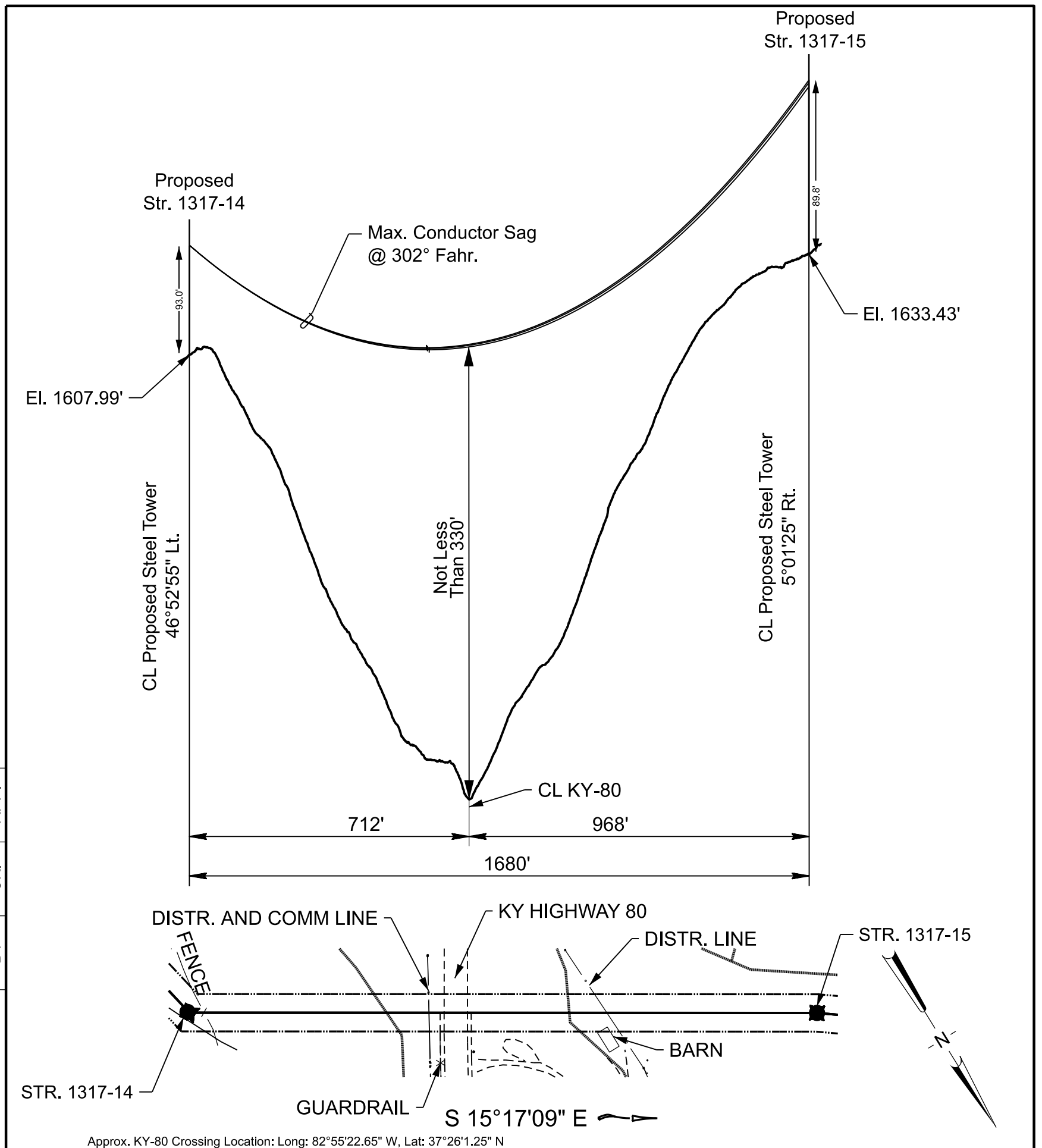
Date: 11/16/2023  
Author: dvatelana  
Project: 156707

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**Garrett – Soft Shell 138kV Line**  
Garrett Area 138kV Improvements  
Project  
P17083001

**FOR PERMITS, NOT FOR CONSTRUCTION**



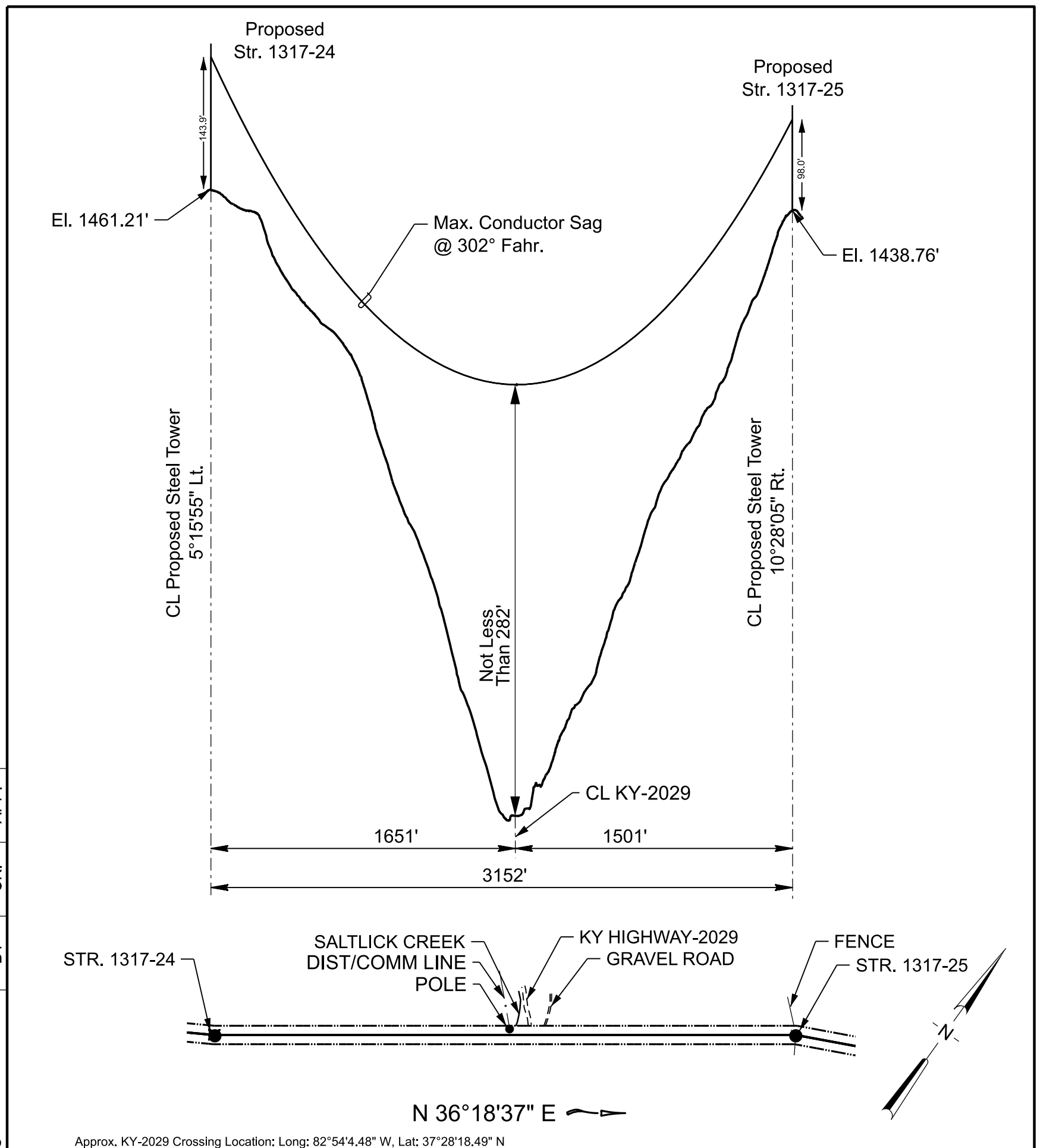


Approx. KY-80 Crossing Location: Long: 82°55'22.65" W, Lat: 37°26'1.25" N

NO.	DATE	ISSUED FOR PERMITTING	REVISIONS
0	05/26/23		

EAF	SRP	NMS	APP.
BY	CK.		

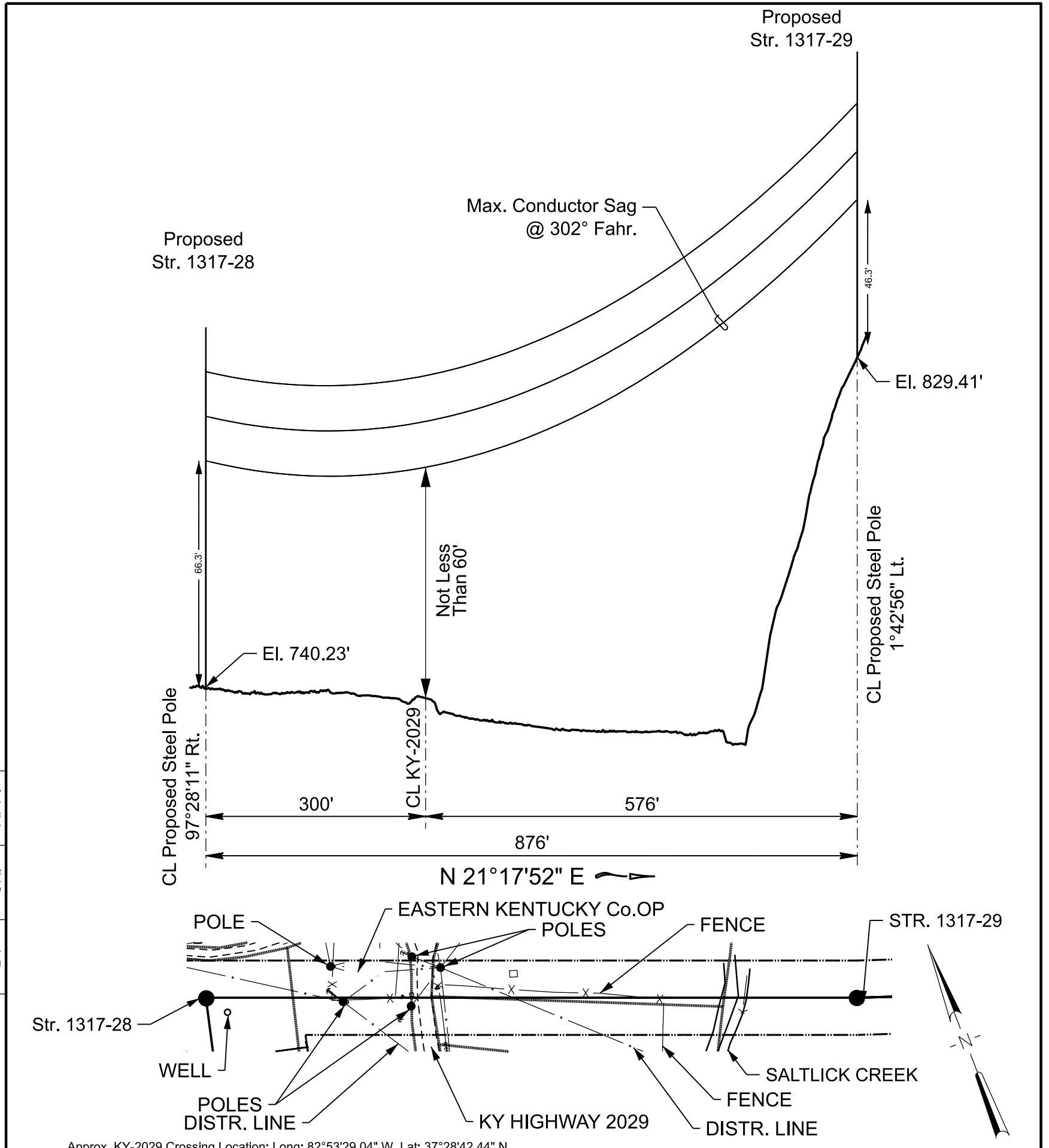
<b>KENTUCKY POWER COMPANY</b>	
GARRETT - SOFTSHELL 138kV LINE TRANSMISSION LINE CROSSING OVER KY-80	
KNOTT COUNTY	KENTUCKY
TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.	
DRAWN: EAF	APPROVED
TR/CK BY: SRP	BY:
ENG CK: NMS	<b>Z-4599</b>
DATE: 05/26/2023	
SCALE: HORZ.: 1" = 200' VERT.: 1" = 40'	



Approx. KY-2029 Crossing Location: Long: 82°54'4.48\" W, Lat: 37°28'18.49\" N

NO.	DATE	ISSUED FOR PERMITTING	REVISIONS	BY	CK.	NMS APP.
0	05/26/23			EAF	SRP	

KENTUCKY POWER COMPANY GARRETT - SOFTSHELL 138kV LINE TRANSMISSION LINE CROSSING OVER KY-2029	
DRAWN: EAF TR/CK BY: SRP ENG CK: NMS DATE: 05/26/2023 SCALE: HORZ.: 1" = 200' VERT.: 1" = 40'	APPROVED BY: DWG NO:
<b>Z-4600</b>	

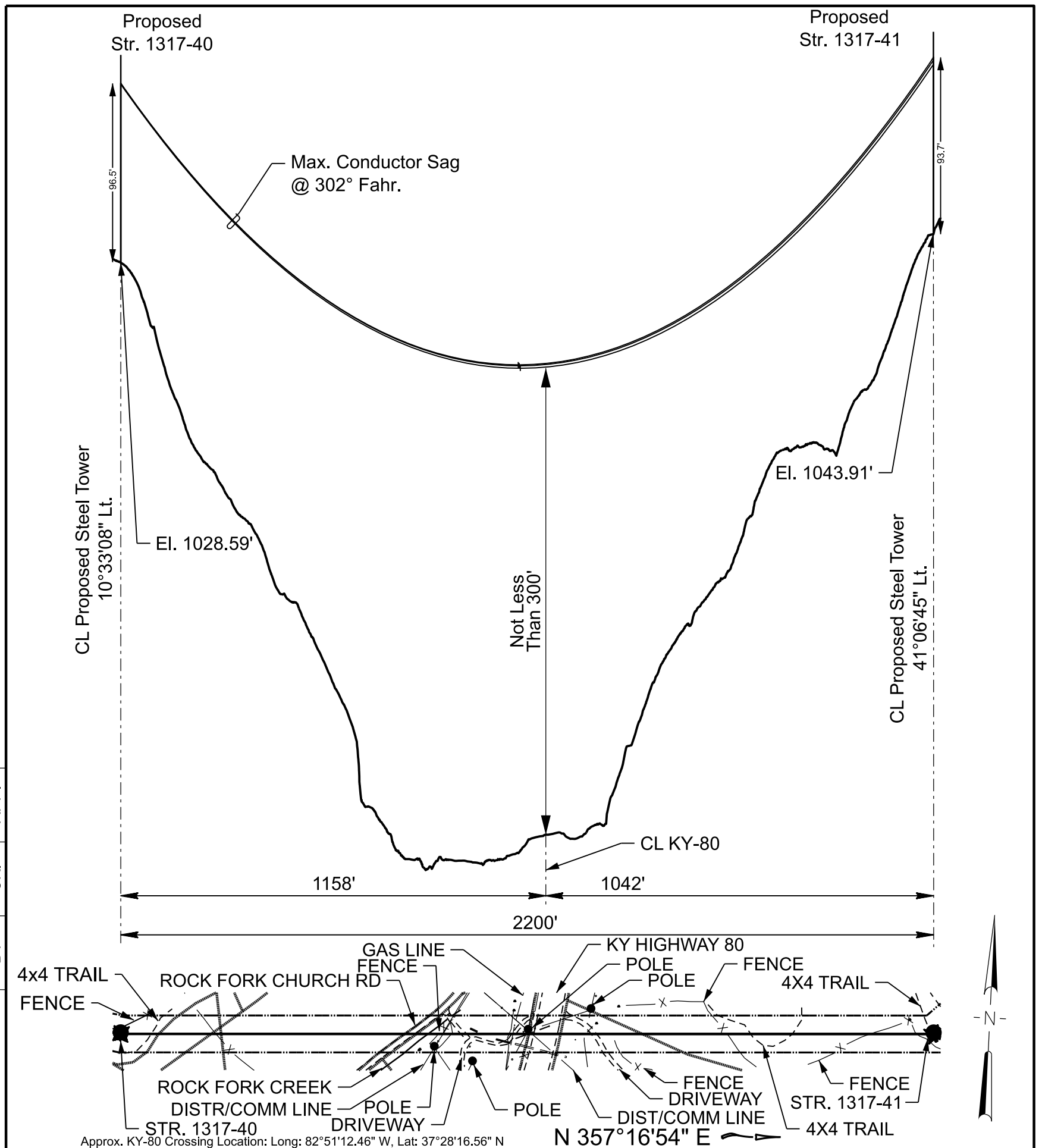


Approx. KY-2029 Crossing Location: Long: 82°53'29.04" W, Lat: 37°28'42.44" N

NO.	DATE	ISSUED FOR PERMITTING	REVISIONS
0	05/26/23		

EAF	SRP	NMS	APP.
BY	CK.		

<b>KENTUCKY POWER COMPANY</b>	
GARRETT - SOFTSHELL 138kV LINE TRANSMISSION LINE CROSSING OVER KY-2029	
FLOYD COUNTY	KENTUCKY
TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.	
DRAWN: EAF	APPROVED BY:
TR/CK BY: SRP	
ENG CK: NMS	DWG NO:
DATE: 05/26/2023	<b>Z-4601</b>
SCALE: HORZ.: 1" = 200' VERT.: 1" = 40'	



Approx. KY-80 Crossing Location: Long: 82°51'12.46" W, Lat: 37°28'16.56" N

**KENTUCKY POWER COMPANY**

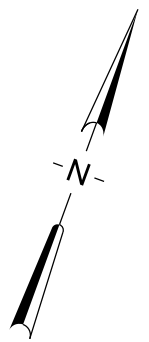
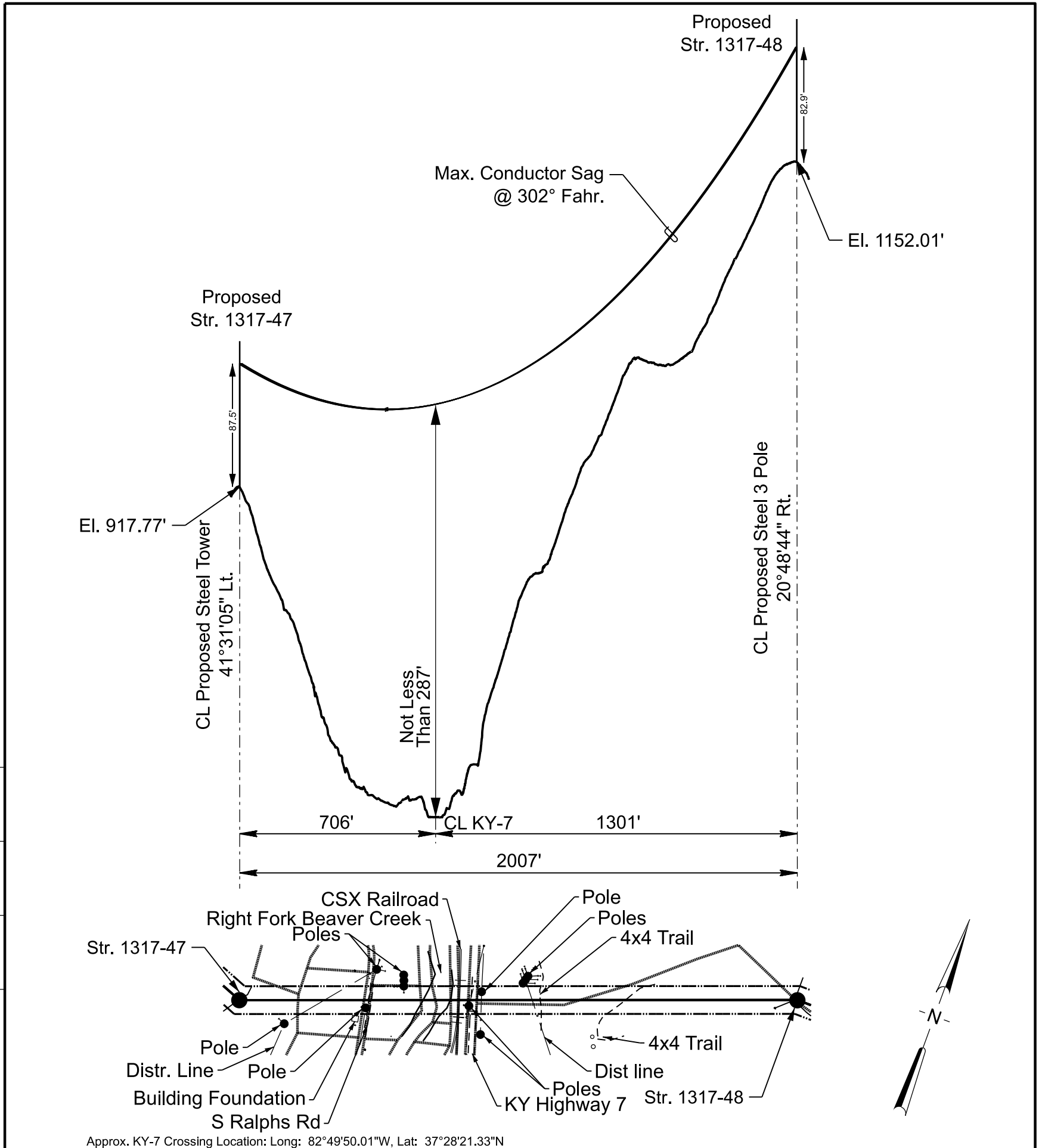
GARRETT - SOFTSHELL 138kV LINE  
TRANSMISSION LINE CROSSING OVER  
**KY-80**

FLOYD COUNTY KENTUCKY  
TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.

DRAWN:	EAF	APPROVED
TR/CK BY:	SRP	BY:
ENG CK:	NMS	
DATE:	05/26/2023	DWG NO:
SCALE:	HORZ.: 1" = 200' VERT.: 1" = 40'	

**Z-4602**

NO.	DATE	ISSUED FOR PERMITTING	REVISIONS	BY	EAF	SRP	NMS
				CK	BY	CK	APP.
0	05/26/23						



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0	05/26/23					

**KENTUCKY POWER COMPANY**

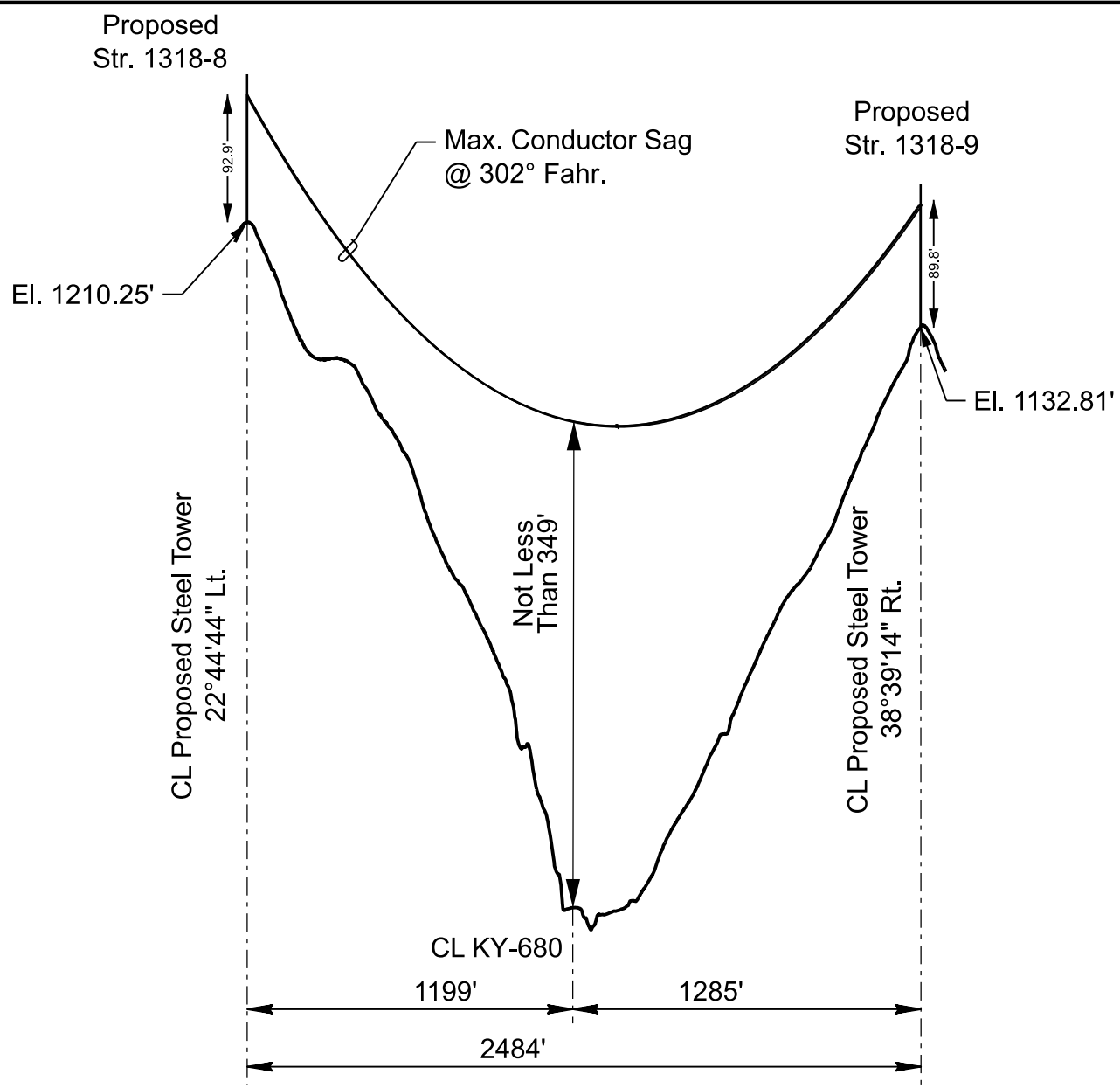
GARRETT - SOFTSHELL 138kV LINE  
 TRANSMISSION LINE CROSSING OVER  
 KY-7

FLOYD COUNTY KENTUCKY  
 TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.

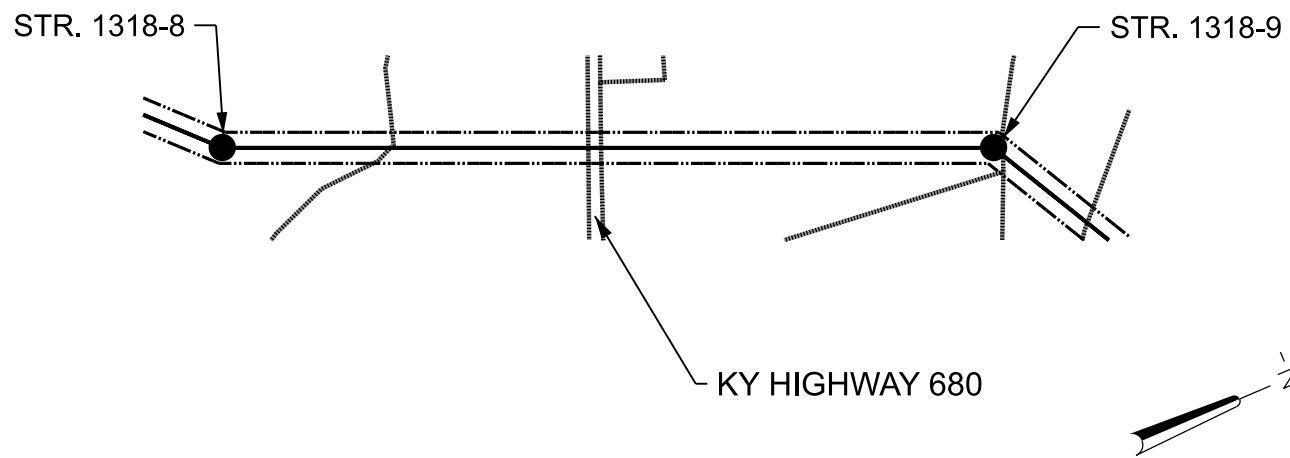
DRAWN:	EAF	APPROVED
TR/CK BY:	SRP	BY:
ENG CK:	NMS	
DATE:	05/26/2023	
SCALE:	HORZ.: 1" = 200' VERT.: 1" = 40'	

DWG NO: **Z-4603**





N 23°10'39\"/>



Approx. KY-680 Crossing Location: Long: 82°48'45.13\"/>

ISSUED FOR PERMITTING	
0	05/26/23
NO.	DATE

REVISIONS

EAF	SRP	NMS
BY	CK.	APP.

**KENTUCKY POWER COMPANY**

GARRETT - EASTERN 138KV LINE  
TRANSMISSION LINE CROSSING OVER  
KY-680

FLOYD COUNTY

KENTUCKY

TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.

DRAWN: EAF  
TR/CK BY: SRP

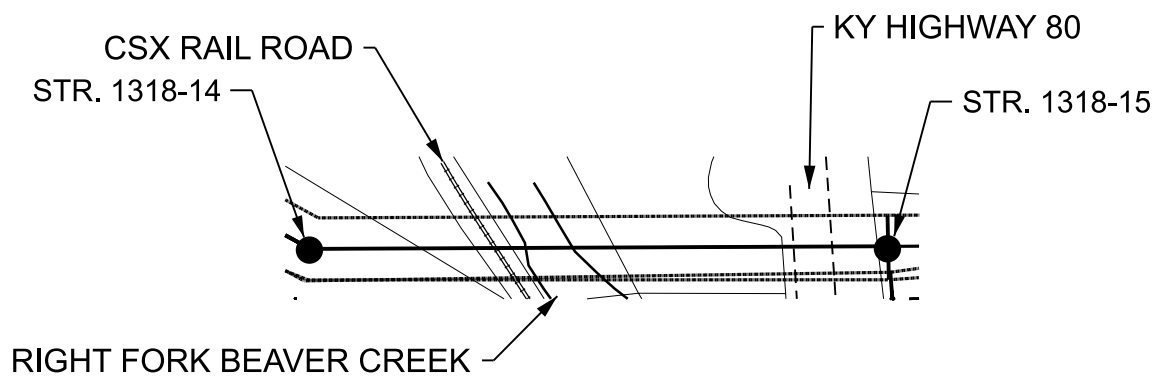
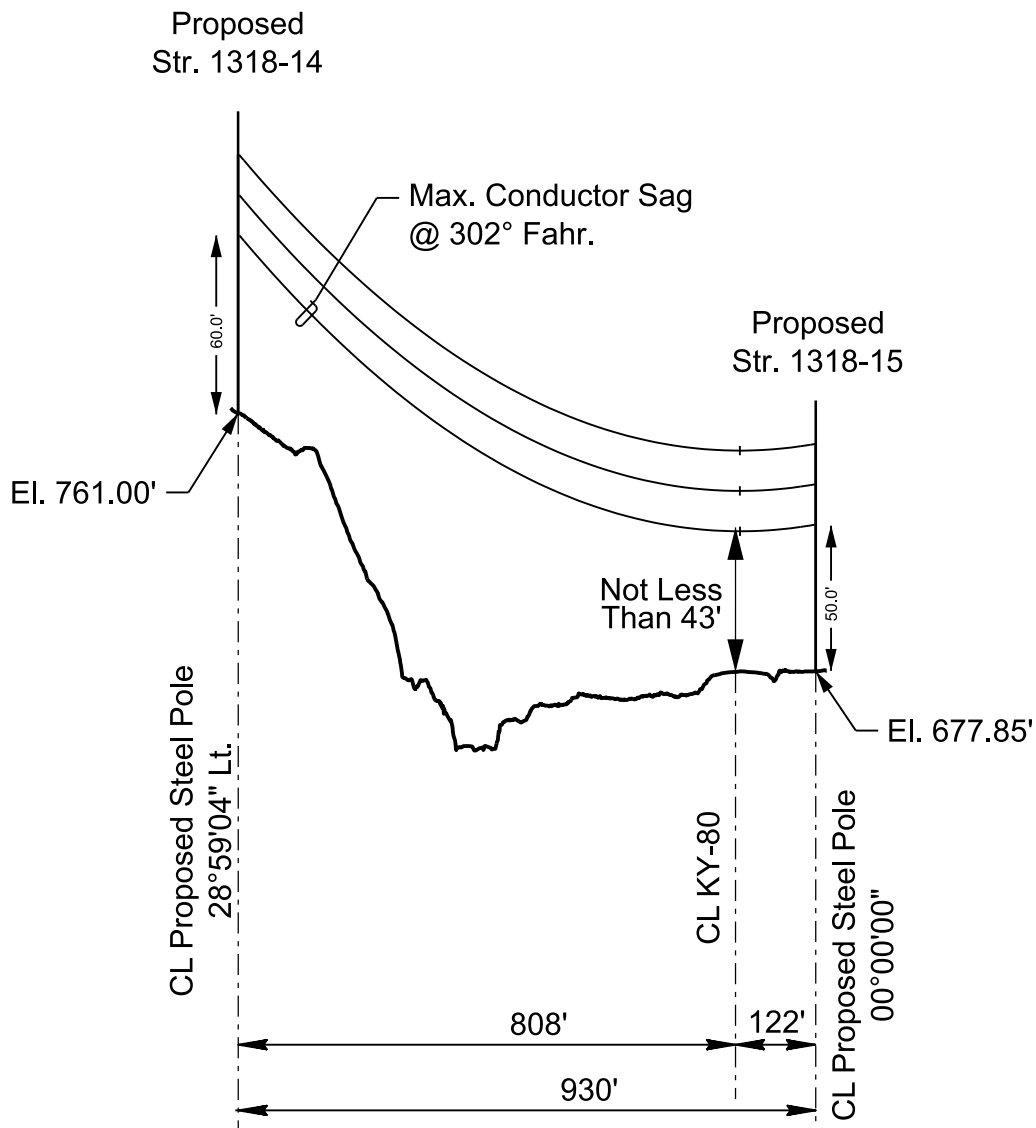
APPROVED  
BY:

ENG CK: NMS  
DATE: 05/26/2023

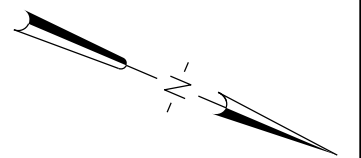
DWG  
NO:

**Z-4604**

SCALE: HORZ.: 1" = 200'  
VERT.: 1" = 40'



Approx. KY-80 Crossing Location: Long: 82°48'15.39"W, Lat: 37°31'0.12"N



NO.	DATE	ISSUED FOR PERMITTING	REVISIONS	EAF BY	SRP CK.	NMS APP.
0	05/26/23					

**KENTUCKY POWER COMPANY**

GARRETT - EASTERN 138kV LINE  
TRANSMISSION LINE CROSSING OVER  
KY-80

FLOYD COUNTY

KENTUCKY

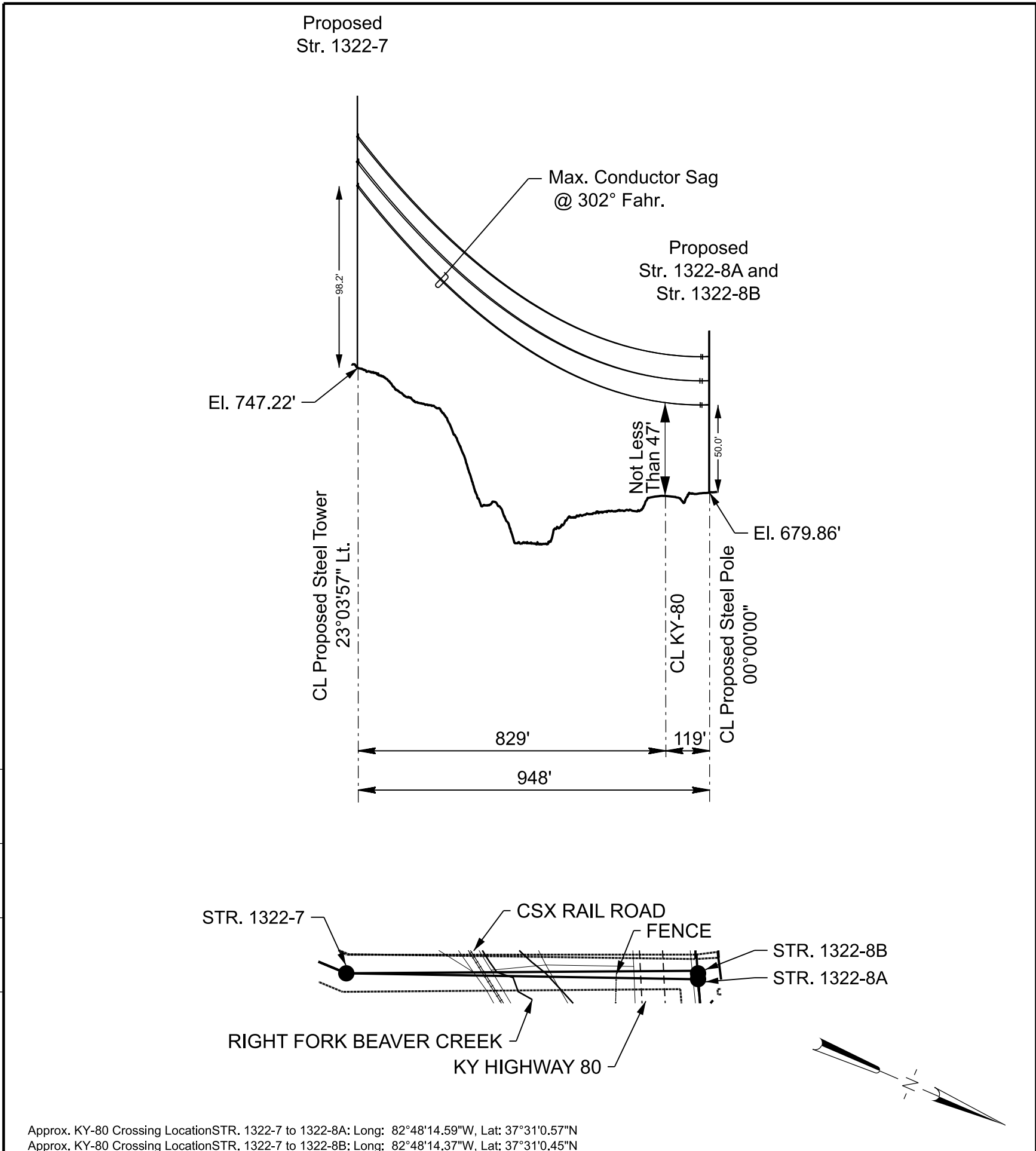
TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.

DRAWN: EAF  
TR/CK BY: SRP  
APPROVED BY:

ENG CK: NMS  
DATE: 05/26/2023  
SCALE: HORZ.: 1" = 200'  
VERT.: 1" = 40'

DWG NO: **Z-4605**

0	05/26/23	ISSUED FOR PERMITTING	REVISIONS
		NO. DATE	
		BY	EAF
		CK.	SRP
		APP.	NMS



Approx. KY-80 Crossing Location STR. 1322-7 to 1322-8A: Long: 82°48'14.59"W, Lat: 37°31'0.57"N  
 Approx. KY-80 Crossing Location STR. 1322-7 to 1322-8B: Long: 82°48'14.37"W, Lat: 37°31'0.45"N

**KENTUCKY POWER COMPANY**

EASTERN - HAYS BRANCH & MORGAN FORK 138kV LINE  
 TRANSMISSION LINE CROSSING OVER

**KY-80**

FLOYD COUNTY

KENTUCKY

TRANSMISSION GRAPHICS SECTION-ROANOKE, VA.

DRAWN: EAF  
 TR/CK BY: SRP  
 APPROVED BY:

ENG CK: NMS  
 DATE: 05/26/2023  
 SCALE: HORZ.: 1" = 200'  
 VERT.: 1" = 40'

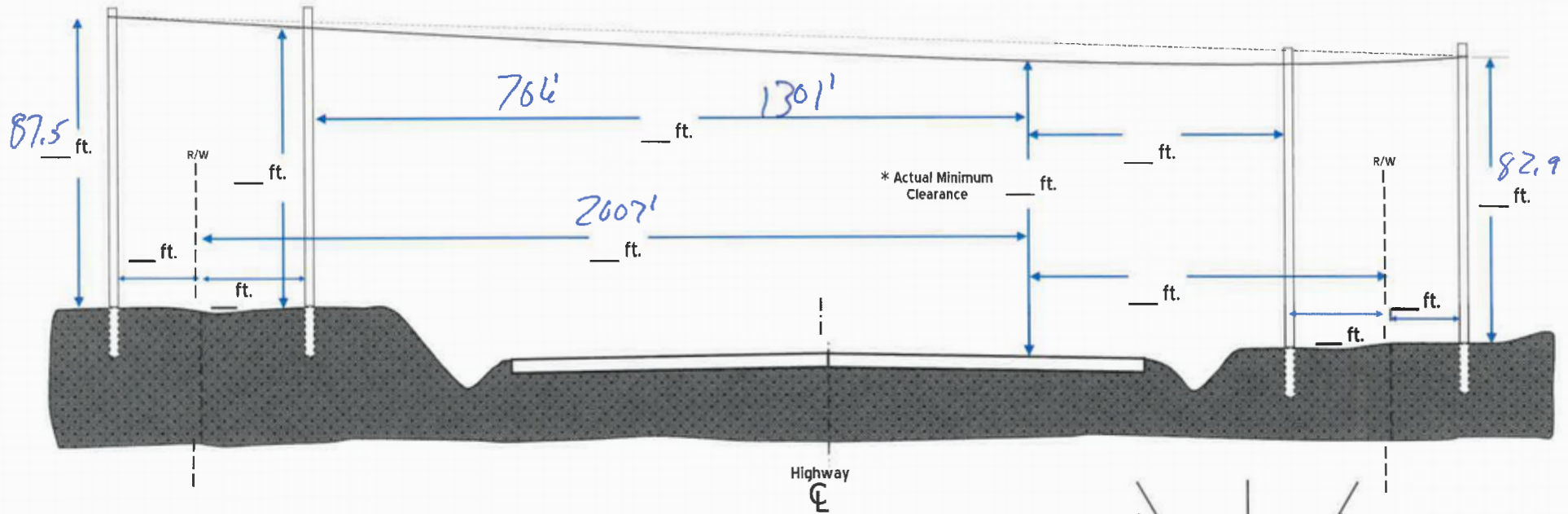
DWG NO: **Z-4606**

OVERHEAD UTILITY ENCROACHMENT DIAGRAM FOR NON-FULLY CONTROLLED HIGHWAYS

County: Knott  
Highway Route: Ky-7  
Mile Point: \_\_\_\_\_

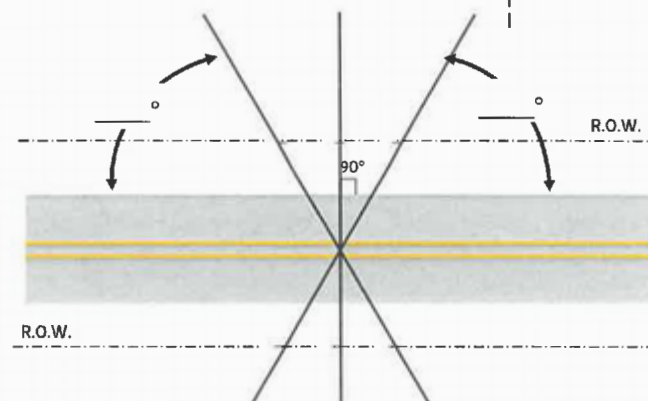
Minimum Clearance to Roadway: 287'  
Type of Utility Crossing: Transmission  
Voltage of Line: 138 kV

KYTC KEPT #:



**GENERAL NOTES - For Non-Fully Controlled Access Highways:**

- The vertical clearance of overhead utility lines crossing shall be a minimum of 18 feet or greater per NESC guidelines or other applicable codes.

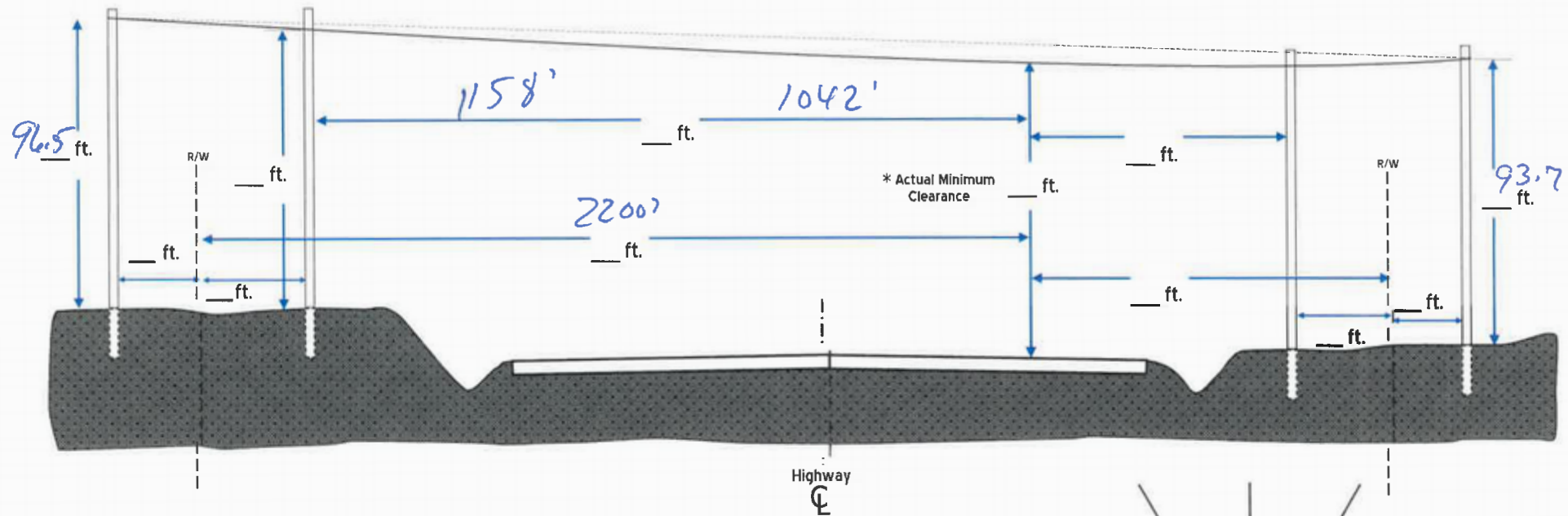


OVERHEAD UTILITY ENCROACHMENT DIAGRAM FOR NON-FULLY CONTROLLED HIGHWAYS

County: Knott  
Highway Route: Ky 80  
Mile Point: \_\_\_\_\_

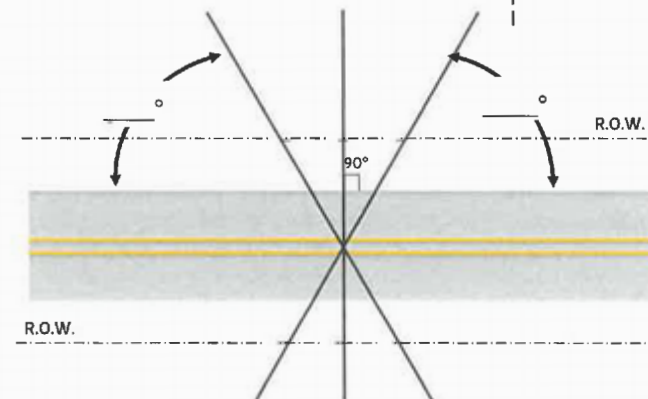
Minimum Clearance to Roadway: 2300'  
Type of Utility Crossing: Transmission  
Voltage of Line: 138KV

KYTC KEPT #:



**GENERAL NOTES - For Non-Fully Controlled Access Highways:**

- The vertical clearance of overhead utility lines crossing shall be a minimum of 18 feet or greater per NESC guidelines or other applicable codes.

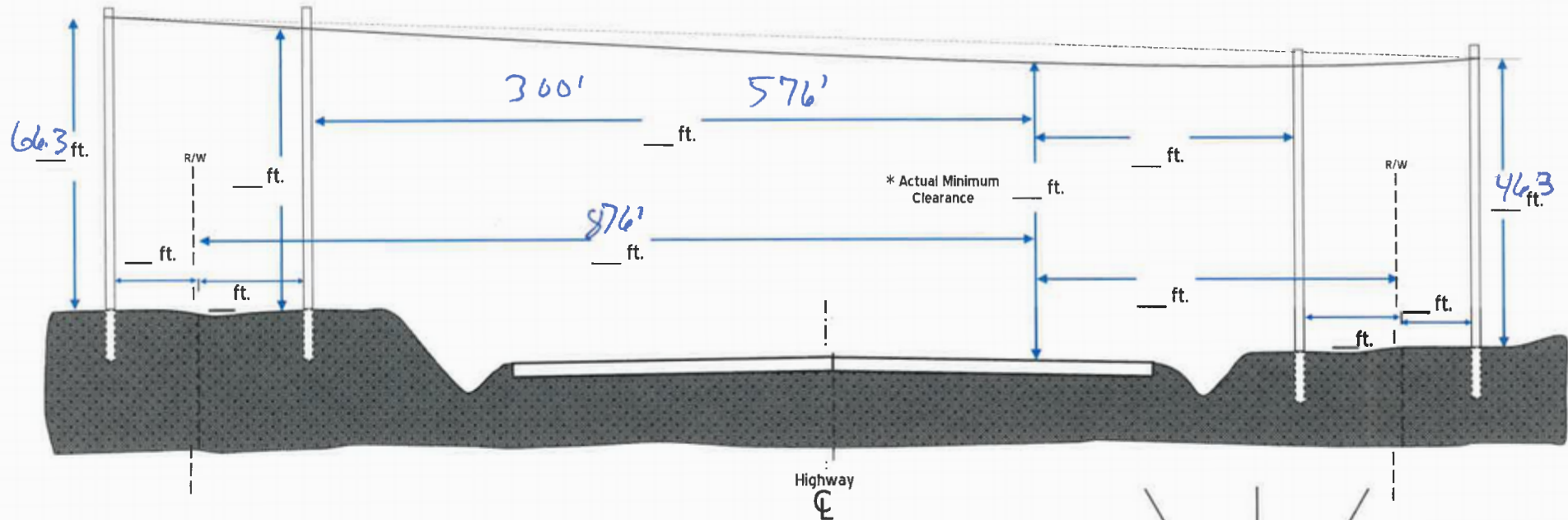


**OVERHEAD UTILITY ENCROACHMENT DIAGRAM FOR NON-FULLY CONTROLLED HIGHWAYS**

County: Knott  
 Highway Route: Ky-2029  
 Mile Point: \_\_\_\_\_

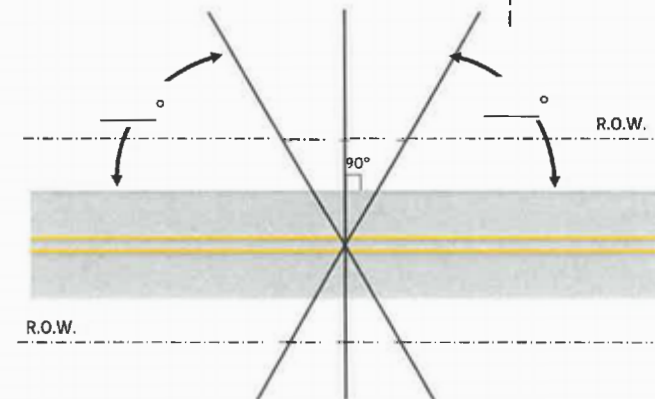
Minimum Clearance to Roadway: 460  
 Type of Utility Crossing: Transmission  
 Voltage of Line: 138 kV

KYTC KEPT #:



**GENERAL NOTES - For Non-Fully Controlled Access Highways:**

- The vertical clearance of overhead utility lines crossing shall be a minimum of 18 feet or greater per NESC guidelines or other applicable codes.



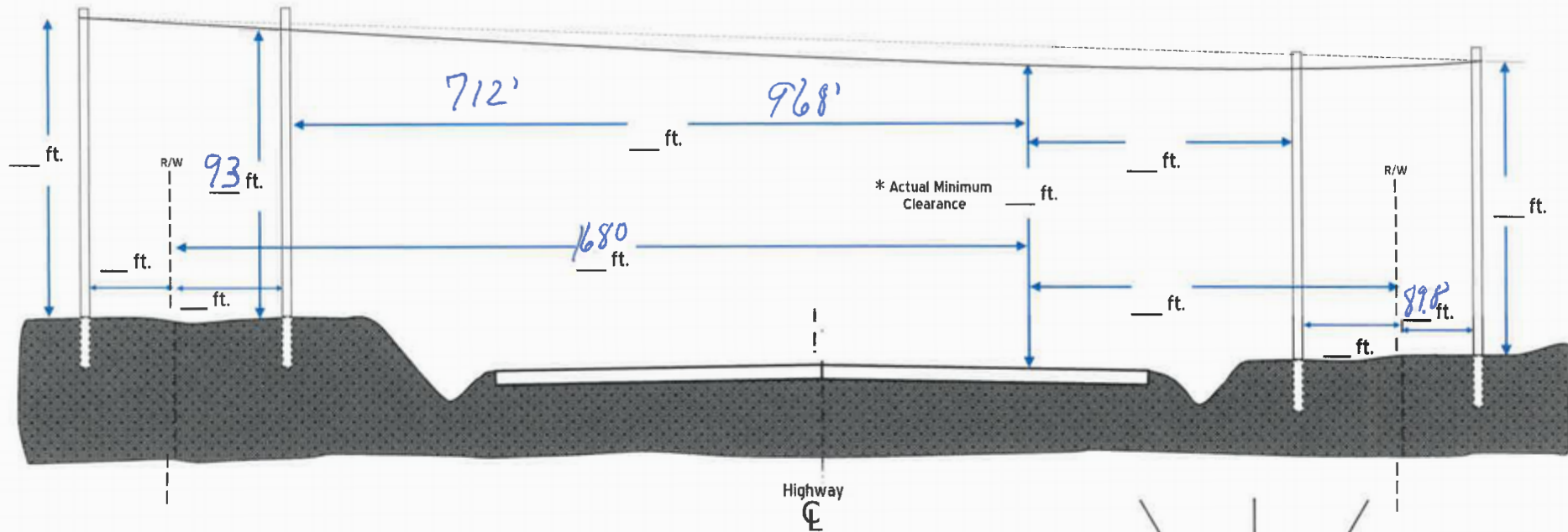


**OVERHEAD UTILITY ENCROACHMENT DIAGRAM FOR NON-FULLY CONTROLLED HIGHWAYS**

County: Knot +  
Highway Route: Ky-80  
Mile Point: \_\_\_\_\_

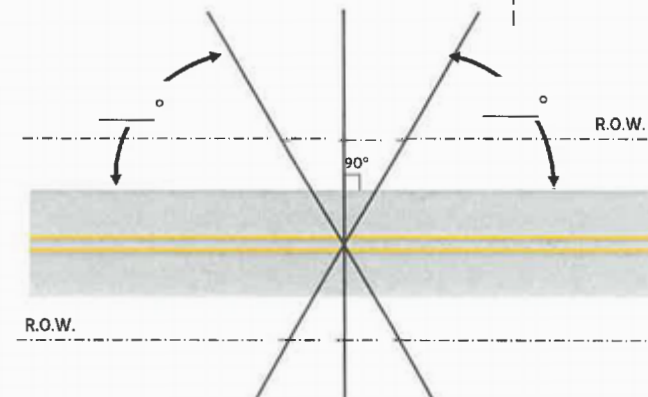
Minimum Clearance to Roadway: < 330  
Type of Utility Crossing: Transmission  
Voltage of Line: 138KV

<b>KYTC KEPT #:</b>



**GENERAL NOTES - For Non-Fully Controlled Access Highways:**

- The vertical clearance of overhead utility lines crossing shall be a minimum of 18 feet or greater per NESC guidelines or other applicable codes.

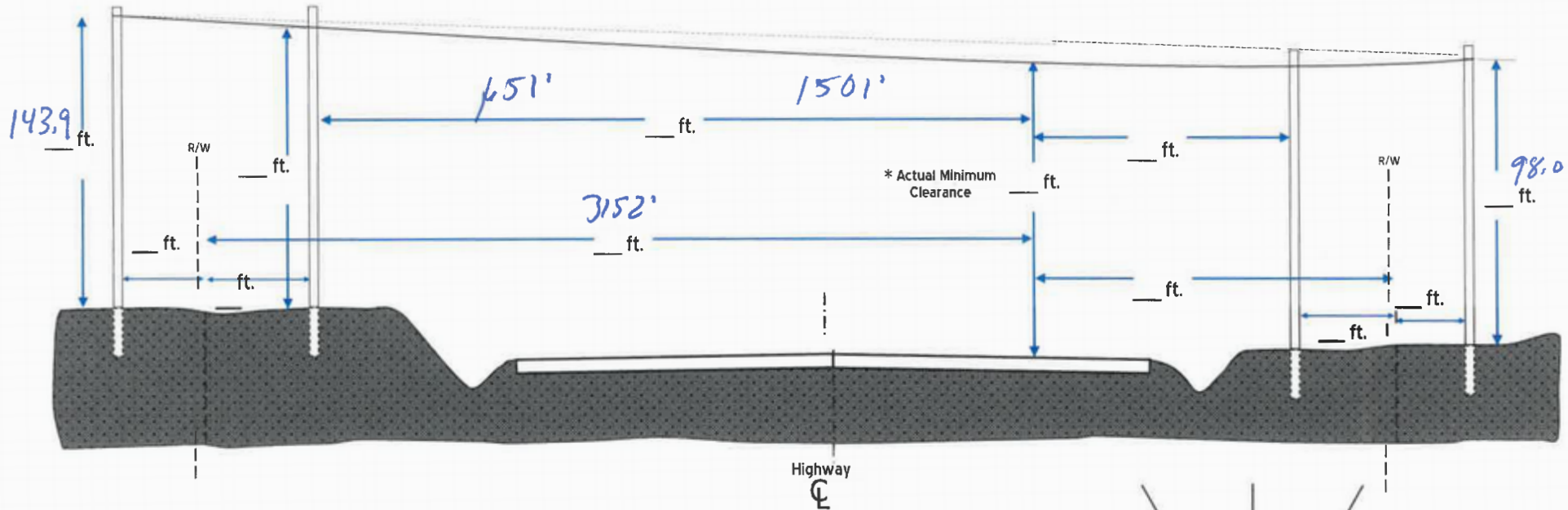


OVERHEAD UTILITY ENCROACHMENT DIAGRAM FOR NON-FULLY CONTROLLED HIGHWAYS

County: Knott  
Highway Route: Ky-80  
Mile Point: \_\_\_\_\_

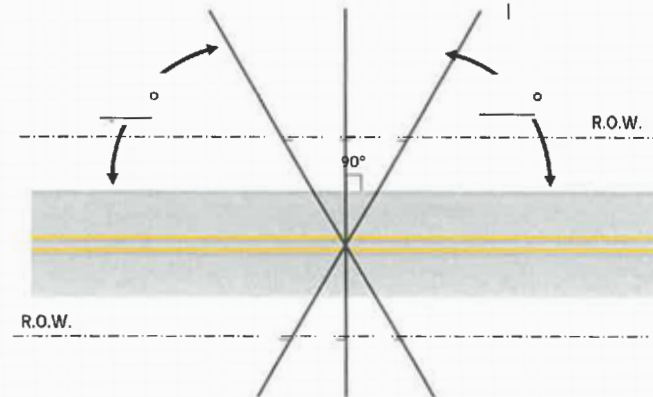
Minimum Clearance to Roadway: < 282  
Type of Utility Crossing: Transmission  
Voltage of Line: 38 KV

KYTC KEPT #:

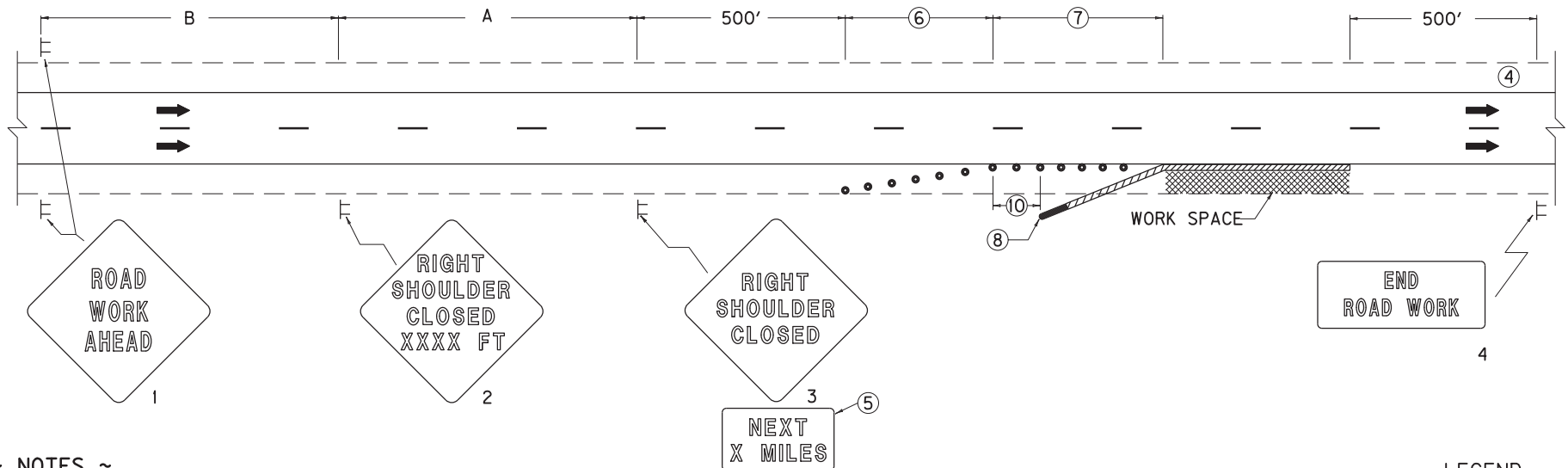


GENERAL NOTES - For Non-Fully Controlled Access Highways:

- The vertical clearance of overhead utility lines crossing shall be a minimum of 18 feet or greater per NESC guidelines or other applicable codes.







~ NOTES ~

1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" WITH 30" X 24" SUPPLEMENTAL PLAQUES FOR EXPRESSWAYS/FREEWAYS. THE MINIMUM SIZE OF SIGNS 1 THRU 3 SHALL BE 36" X 36" WITH 24" X 18" SUPPLEMENTAL PLAQUES FOR OTHER ROADWAYS. SIGN NO. 4 SHALL BE 48" X 24" FOR EXPRESSWAYS/FREEWAYS AND 36" X 18" FOR OTHER ROADWAYS. A FREEWAY SHALL BE DEFINED AS A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS. AN EXPRESSWAY SHALL BE DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH TO THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" FOR EXPRESSWAYS/FREEWAYS AND 24" X 18" FOR OTHER ROADWAYS.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.
9. THE COLOR OF BARRIER WALL DELINEATORS SHALL MATCH THE COLOR OF THE EDGE LINE THAT THEY SUPPLEMENT.
10. BUFFER SPACE (OPTIONAL). REFER TO TABLE 6C-2 OF THE MUTCD FOR GUIDANCE ON BUFFER SPACE LENGTH.

BID ITEMS AND UNIT TO BID  
REFER TO SECTION 112 OF STANDARD SPECIFICATIONS FOR  
ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/ FREEWAY	1000'	1600'	840'
SP. LT. $\geq$ 45 MPH*	500'	500'	680'
SP. LT. $\leq$ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

LEGEND

- TEMPORARY TRAFFIC BARRIER
- SIGN
- CHANNELIZING DEVICES
  - CONES
  - DRUMS
  - TYPE II BARRICADES
  - TUBULAR MARKERS
- CRASH CUSHION

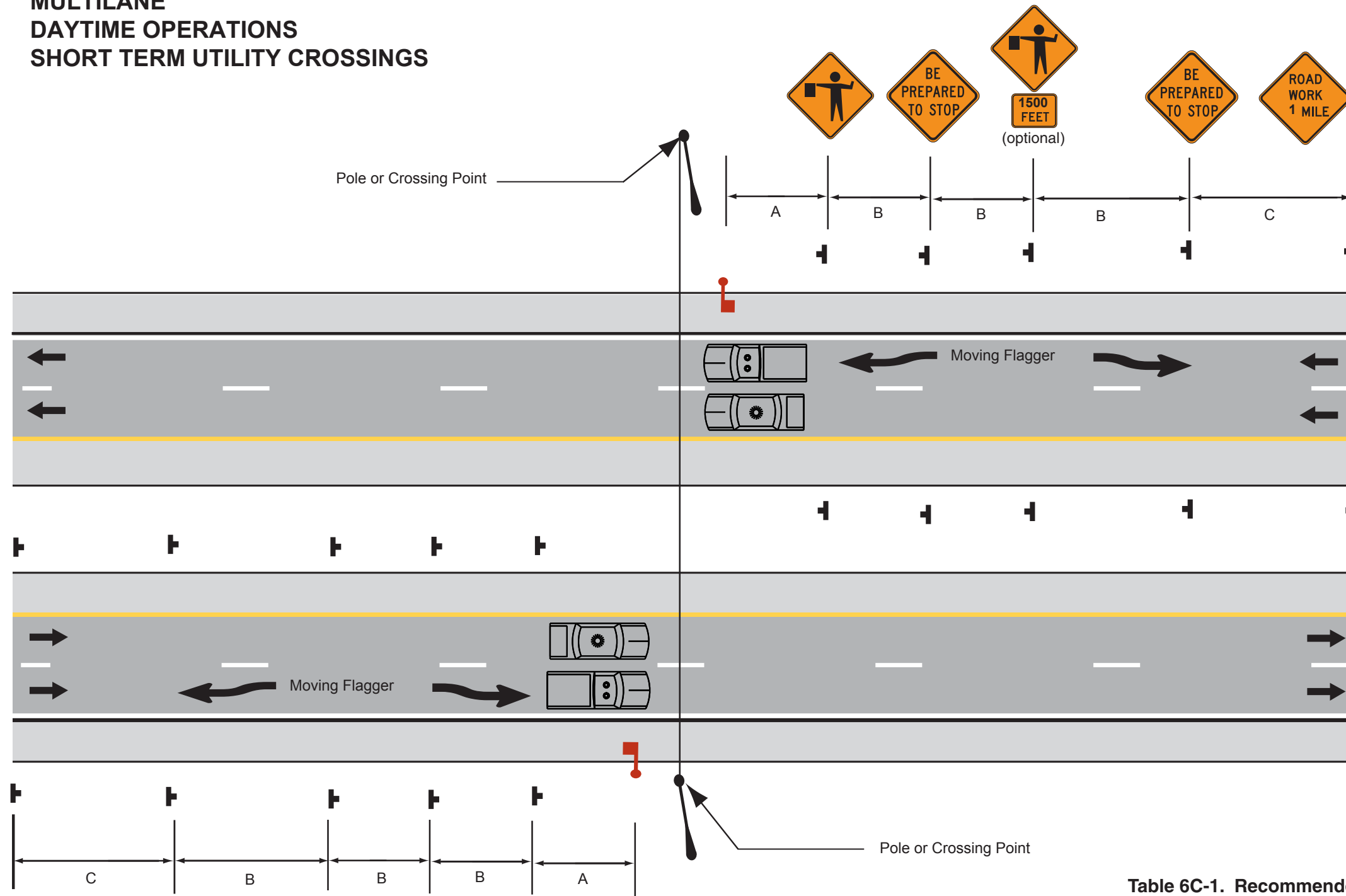
DRAWING NOT TO SCALE

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

<b>KENTUCKY DEPARTMENT OF HIGHWAYS</b>	
<b>SHOULDER CLOSURE</b>	
STANDARD DRAWING NO. TTC-135-02	
SUBMITTED <i>B. Allen Wolf</i>	DATE 12-01-15
<small>DIRECTOR OF TRAFFIC OPERATIONS</small>	
APPROVED <i>[Signature]</i>	DATE 12-01-15
<small>STATE HIGHWAY ENGINEER</small>	

# MULTILANE DAYTIME OPERATIONS SHORT TERM UTILITY CROSSINGS



## GENERAL NOTES

1. This Case also applies when work is being performed on multilane undivided highways. Under these conditions the signs normally mounted in the median shall be omitted.
2. Flashing warning lights may be used to call attention to the advance warning signs as noted on the plans and/or as directed by the ENGINEER.
3. When a side road intersects the highway on which work is being performed additional traffic control devices shall be erected as directed by the ENGINEER.
4. The site shall be completely prepared (signs, devices, work equipment, etc.) then traffic stopped for maximum of 15 minutes, or as otherwise noted on the plans. Then periodically platoons of vehicles shall be allowed to proceed followed by other stoppages.
5. This operation shall normally only occur on a Sunday morning prior to 11:00 AM. Other times must be approved by the DISTRICT ENGINEER or TRAFFIC ENGINEERING DIVISION.
6. Moving Flagger Special Provision (As Necessary): All flaggers shall be furnished by the contractor and all flagging shall be his responsibility. Where moving flagger is noted or called for, two flaggers shall be provided at each end of the areas where traffic is being stopped. One flagger is to be positioned in accordance with the manual, while the other flagger is to continually move with stopping traffic two-way radios shall be provided to the flaggers when they are out of sight of each other.
7. If (Optional) flagger sign is used contractor shall install an additional "BE PREPARED TO STOP" sign.



## Symbols

- Sign on Portable or Permanent Support
- Flagger With Paddle
- Law Enforcement Vehicle With Flashing Lights
- Contractor Vehicle With Flashing Lights

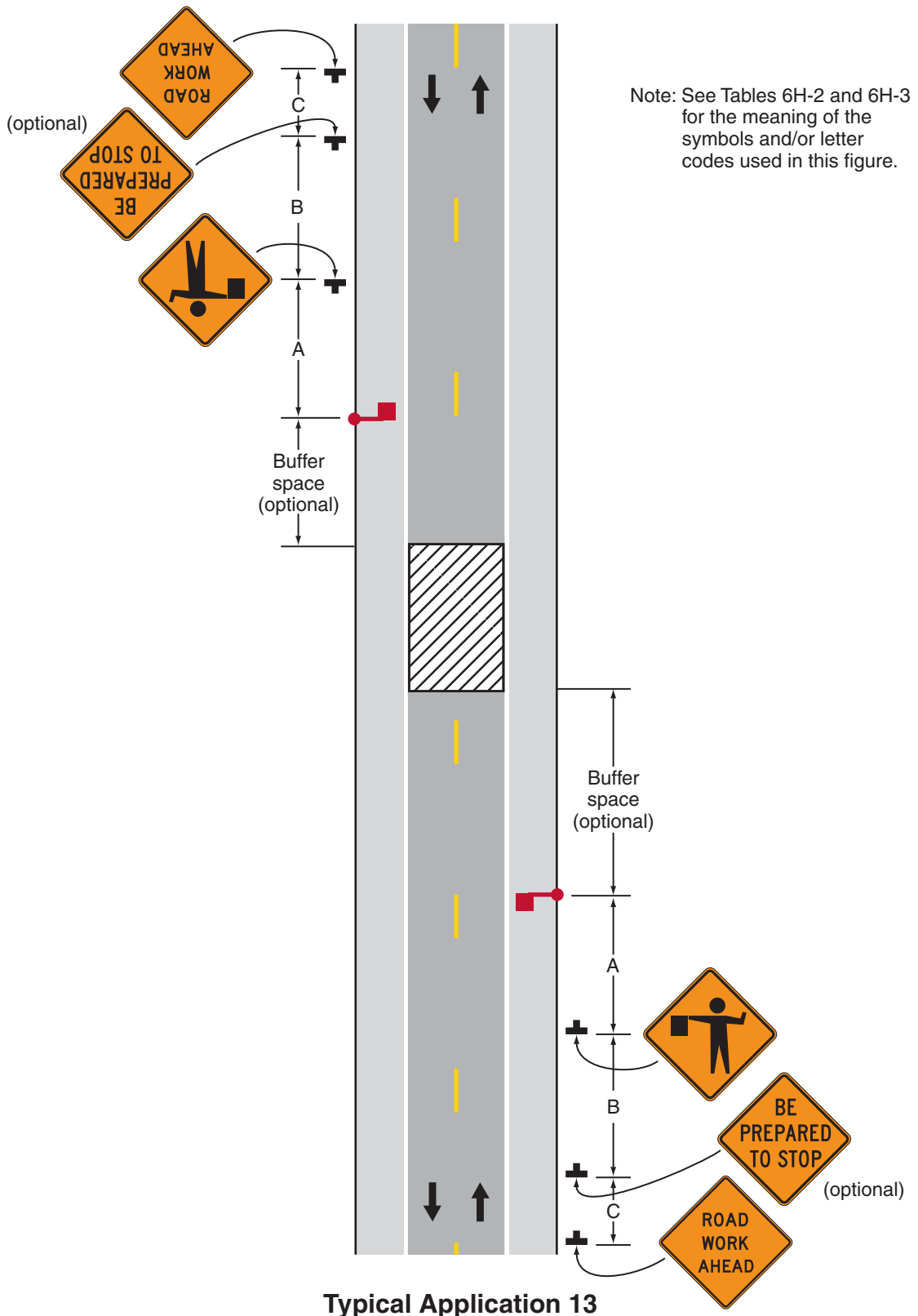
**Typical Applications**  
Setting Bridge Beams  
Short Term Utility Operations

**Table 6C-1. Recommended Advance Warning Sign Minimum Spacing**

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

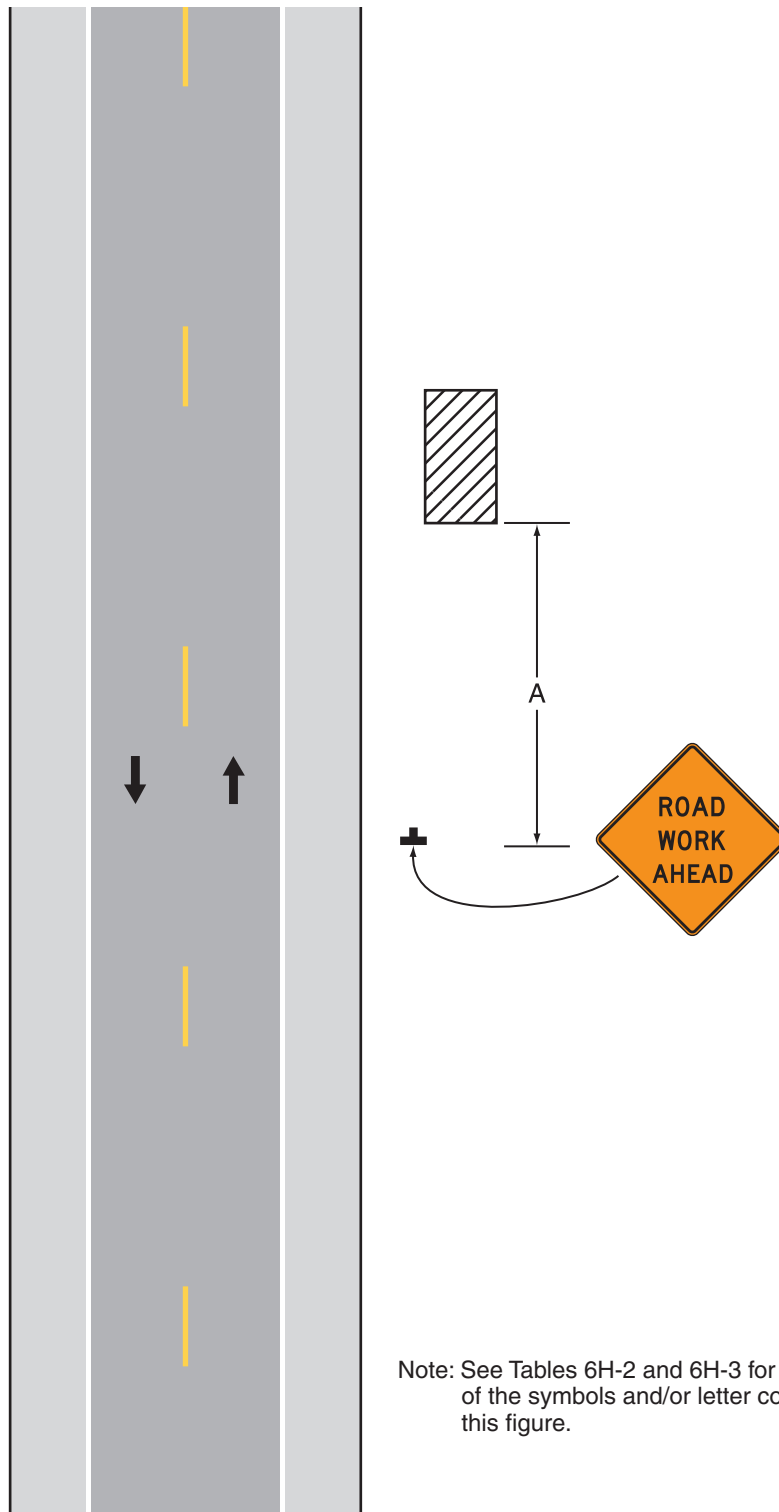
\* Speed category to be determined by the highway agency  
 \*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Figure 6H-13. Temporary Road Closure (TA-13)



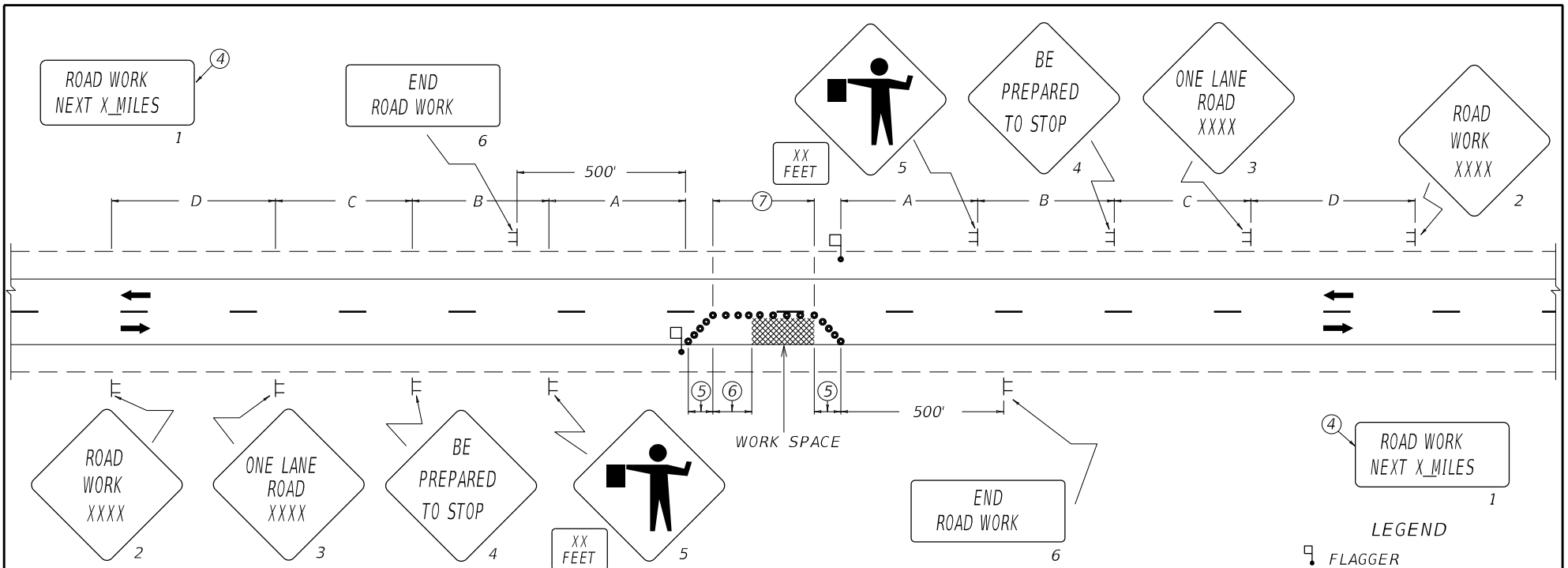


**Figure 6H-1. Work Beyond the Shoulder (TA-1)**



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Typical Application 1**



**LEGEND**

- ◻ FLAGGER
- ◻ SIGN
- CHANNELIZING DEVICES  
CONES  
DRUMS

~ NOTES ~

1. THE SIZE OF SIGNS 2 THRU 5 SHALL BE 48" X 48" WITH 30" X 24" SUPPLEMENTAL PLAQUES FOR EXPRESSWAYS/FREEWAYS. THE MINIMUM SIZE OF SIGNS 2 THRU 5 SHALL BE 36" X 36" WITH 24" X 18" SUPPLEMENTAL PLAQUES FOR OTHER ROADWAYS. SIGN NOS. 1 AND 6 SHALL BE 48" X 24" FOR EXPRESSWAYS/FREEWAYS AND 36" X 18" FOR OTHER ROADWAYS. A FREEWAY IS DEFINED AS A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS. AN EXPRESSWAY IS DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.
2. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE ACTIVITY AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE. ILLUMINATION SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT.
3. DRUMS SHALL BE USED IN LIEU OF CONES IF CLOSURE EXTENDS INTO NIGHTTIME HOURS. GRABBER CONES MAY BE USED IN LIEU OF DRUMS IF THE USE OF DRUMS WOULD RESULT IN LANES THAT ARE TOO NARROW OR AN UNACCEPTABLE SITUATION BASED ON ENGINEERING JUDGMENT.
- ④ SIGN NO. 1 SHOULD BE INSTALLED AT THE LIMITS OF THE PROJECT WHEN THE CONSTRUCTION ZONE IS LONGER THAN TWO MILES IN LENGTH. THE DISTANCE SHOWN SHALL BE STATED TO THE NEAREST WHOLE MILE.
- ⑤ TAPERS SHALL BE 50' (MIN) TO 100' (MAX) IN LENGTH. SPACING OF CHANNELIZING DEVICES SHOULD BE 20' THRU THE TAPER AREAS.
- ⑥ BUFFER SPACE (OPTIONAL). IF USED, THE BUFFER SPACE SHOULD BE EXTENDED SO THAT THE TWO-WAY TRAFFIC TAPER IS PLACED BEFORE A HORIZONTAL OR CREST VERTICAL CURVE TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGER AND A QUEUE OF STOPPED VEHICLES. REFER TO TABLE 6C-2 OF THE MUTCD FOR GUIDANCE ON BUFFER SPACE LENGTH.
- ⑦ SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHOULD BE 80'. ON ROADWAYS WITH WIDTHS LESS THAN 20 FEET, CHANNELIZING DEVICES MAY BE OMITTED THRU THE ACTIVITY AREA BASED ON ENGINEERING JUDGMENT.

BID ITEMS AND UNIT TO BID  
 LANE CLOSURE EACH  
 REFER TO SECTION 112 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

SIGNING AND SPACING TABLE				
ROAD TYPE	A	B	C	D
EXPRESSWAY/ FREEWAY	1000'	500'	1100'	2600'
SP. LT. ≥ 45 MPH*	500'	500'	500'	1100'
SP. LT. ≤ 40 MPH*	250'	250'	250'	250'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE

**KENTUCKY  
DEPARTMENT OF HIGHWAYS**

**LANE CLOSURE  
TWO-LANE HIGHWAY**

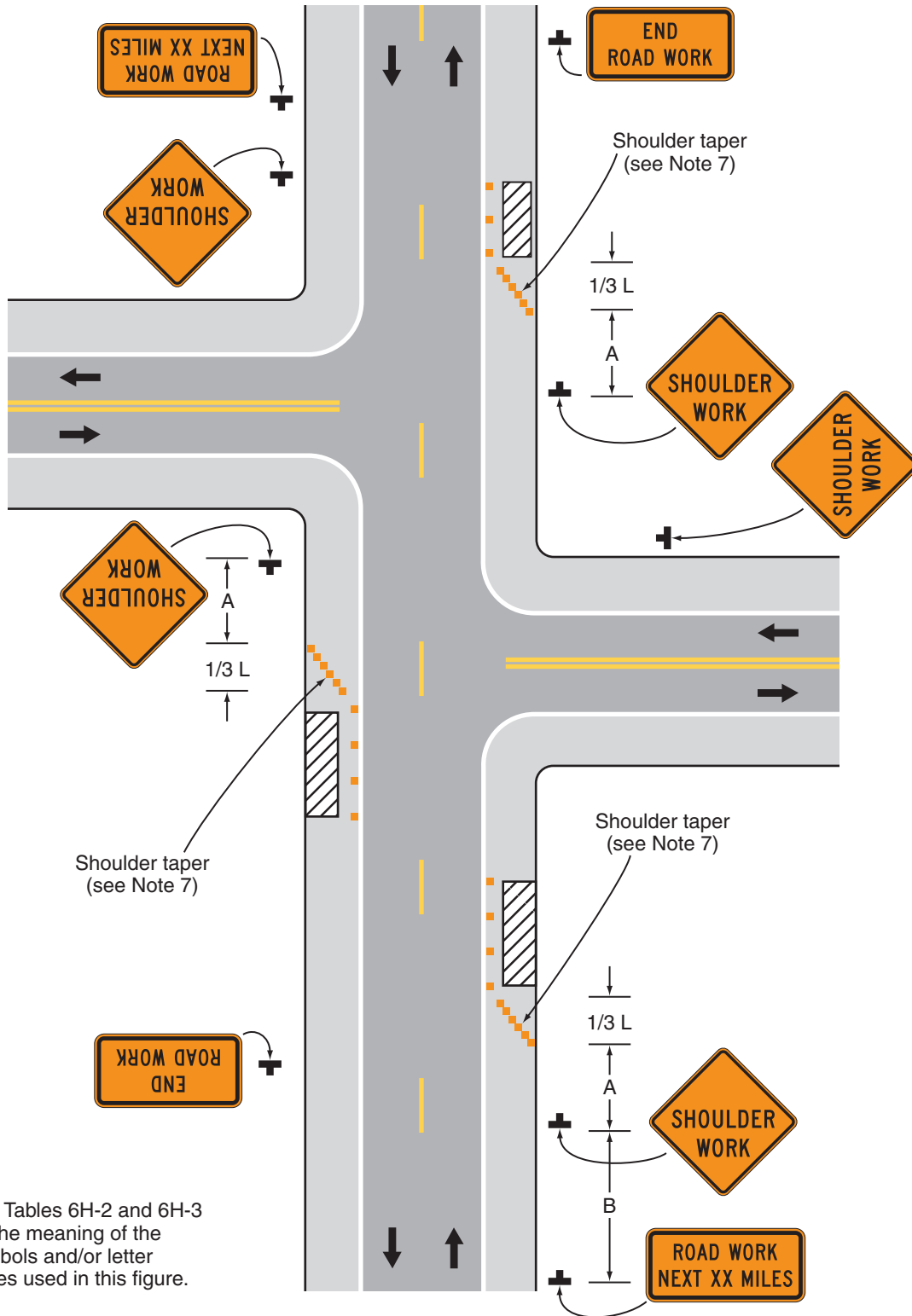
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STANDARD DRAWING NO. TTC-100-05

SUBMITTED BY *B. Allen Wolfe* DATE 02-26-20  
DIRECTOR OF TRANSPORTATION OPERATIONS

APPROVED BY *[Signature]* DATE 02-26-20  
STATE ENGINEER

Figure 6H-3. Work on the Shoulders (TA-3)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 3



**From:** [Jeff Meade](#)  
**To:** [Hunt, Jody G \(KYTC-D12\); Thornsby, Dewayne \(KYTC-D12\)](#)  
**Cc:** [Jarrod Chandler; rmhowell \(rmhowell@aep.com\); Derrick Wilson; Gregory Warf](#)  
**Subject:** RE: Garrett Softshell KYTC additional permitting information request  
**Date:** Wednesday, March 13, 2024 11:50:43 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[1322-7 to 1322-8 \(KY-80\).pdf](#)  
[1318-14 to 1318-15 \(KY-80\).pdf](#)  
[1318-8 to 1318-9 \(KY-680\).pdf](#)

**\*\*CAUTION\*\* PDF attachments may contain links to malicious sites. Please contact the COT Service Desk [ServiceCorrespondence@ky.gov](mailto:ServiceCorrespondence@ky.gov) for any assistance.**

**This Message Originated from Outside the Organization**  
 This Message Is From an External Sender.

[Report Suspicious](#)

Dewayne/Jody,

Please find the requested utility sheets attached and answers below from the engineering and survey departments to the questions brought up in our last conversation. I also wanted to introduce and let you know that Greg Warf will be working on permitting going forward.

1. Emerald will provide you with the missing overhead utility sheets for Z-4604, Z-4605, and Z-4606. **See attached**
2. Emerald will provide you with a list of all structure that are placed directly upon the KYTC ROW. Details for each structure shall be included. You will need to see the distance of the structure from the nearest white line. **Based on the current design there are no structures located on KYTC ROW. STR 1317-6 does have guy anchors that extend over onto KYTC ROW. The closest guy anchor is 240' southeast of the nearest fog-line of HWY 80. Outside of the guy anchors at STR 1317-6, KYTC ROW is only impacted by easement overhang and wire crossings. Centerline either crosses or is in proximity (within 10') of KYTC ROW between the following spans:**
  - a. 1317-4 to 1317-5 (CL crossing HWY 80 ROW)
  - b. 1317-5 to 1317-6 (CL within 1.2' of crossing HWY 80 ROW)
  - c. 1317-9 to 1317-10 (CL crossing Chestnut Ridge Loop)
  - d. 1317-14 to 1317-15 (CL crossing HWY 80)
  - e. 1317-24 to 1317-25 (CL crossing KY 2029)
  - f. 1317-28 to 1317-29 (CL crossing KY 2029)
  - g. 1317-40 to 1317-41 (CL crossing Rock Fork Church Road and KY HWY 80)
  - h. 1317-47 to 1317-48 (CL crossing Webb Street and KY 7/KY 550)
  - i. 1317-50 to 1317-51 (CL crossing KY 777)
  - j. 1318-7 to 1318-8 (CL crossing Goose Creek Road)
  - k. 1318-8 to 1318-9 (CL crossing KY 680)
  - l. 1318-14 to 1318-15 (CL crossing HWY 80)
  - m. 1322-7 to 1322-8B (CL crossing HWY 80)

**Some of the roads listed above are county/rural routes but I listed all of them for clarity.**
3. Emerald will provide verification that all structures at the Eastern, Garrett, Softshell, and Snag Fork Sub-stations are all on AEP property and not on KYTC ROW. **See answer to item 2 above.**
4. Confirm that all structures along Highway 80 are not on KYTC ROW. **See answer to item 2 above.**
5. Emerald will provide details of the proposed structure types for structures 1317-5 thru 1317-11?

Structure Number	DWG# or Tower Type	Above Ground Height	Structure Type	Latitude	Longitude
1317-5	T1E3 Lattice Tower	108	DE	37d25'8.463"N	82d56'29.033"W
1317-6	CS45-2472 H-Frame	122	SUSP	37d25'11.255"N	82d56'23.768"W
1317-8	CS45-2470 H-Frame	103.5	SUSP	37d25'16.592"N	82d56'13.701"W
1317-9	CS45-2470 H-Frame	86	SUSP	37d25'20.929"N	82d55'3.783"W
1317-10	CS45-2472 H-Frame	122	SUSP	37d25'25.434"N	82d55'53.48"W
1317-11	CS45-2470 H-Frame	72	SUSP	37d25'29.319"N	82d55'44.593"W

6. Emerald will provide a narrative as to how the line will be pulled over Highway 80. Since AEP doesn't have a transmission line contractor assigned to this project right now, it is acceptable to provide something describing a typical work plan. **The contractor will pull Transmission Lines across HWY 80 in accordance with KYTC specifications while limiting obstructions to traffic flow to the best of their abilities. Guards Structures and/or Guard Equipment will be utilized on both sides of the HWY 80 along with a guard(s) in the median. To handle periods of high traffic volume, unconventional working hours may be required. An engineered traffic control plan will be provided by the Contractor and reviewed/approved by the KYTC prior to any work being conducted for HWY 80 Crossing.**

Please let us know if you have additional questions or concerns.

Thanks,

Jeff Meade



## Emerald Energy & Exploration Land Company

**Jeffrey Meade**  
Senior Land Agent  
Cell: (606) 205-6307

199 N. Lake Drive, Suite 101, Prestonsburg, KY 41653  
Prestonsburg Office: (606) 263-8045  
9850 Von Allmen Court, Suite 201, Louisville, KY 40241  
Louisville Office: (502) 907-2487

---

**From:** Derrick Wilson <DWilson@E3CO.Land>

**Sent:** Tuesday, January 30, 2024 4:22 PM

**To:** Hunt, Jody G (KYTC-D12) <jody.hunt@ky.gov>; Thornsby, Dewayne (KYTC-D12) <dewayne.thornsby@ky.gov>

**Cc:** Jeff Meade <JMeade@E3CO.Land>; Jarrod Chandler <jchandler@E3CO.Land>; rmhowell (rmhowell@aep.com) <rmhowell@aep.com>

**Subject:** Garrett Softshell KYTC additional permitting information request

Jody and Dewayne

It was good talking with you today. We discussed many things and I wanted to send you an email to summarize our conversation and make sure I am not missing anything.

Below is a list of action items that will need to be followed up on by Emerald to help you better understand everything that is being proposed on the Garrett Softshell project.

1. Emerald will provide you with the missing overhead utility sheets for Z-4604, Z-4605, and Z-4606.
2. Emerald will provide you with a list of all structure that are placed directly upon the KYTC ROW. Details for each structure shall be included. You will need to see the distance of the structure from the nearest white line.
3. Emerald will provide verification that all structures at the Eastern, Garrett, Softshell, and Snag Fork Sub-stations are all on AEP property and not on KYTC ROW.
4. Confirm that all structures along Highway 80 are not on KYTC ROW.
5. Emerald will provide details of the proposed structure types for structures 1317-5 thru 1317-11?
6. Emerald will provide a narrative as to how the line will be pulled over Highway 80. Since AEP doesn't have a transmission line contractor assigned to this project right now, it is acceptable to provide something describing a typical work plan.

If I have missed something, please feel free to add any additional information.

Thanks



## **Emerald Energy & Exploration Land Company**

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