

Improvements to KY 15 from Boone Ridge Rd to KY 15 Bypass, Perry County, KY

KYTC # 10-158.00

— Disturb Limits

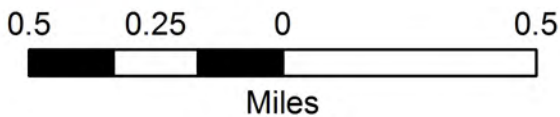


Table 1: Stream and Wetland Impacts – Improvements to KY 15 from KY 15 Bypass to Boone Ridge Road, Perry County, Kentucky. KYTC Item Number 10-158.00

Crossing	Station	Site #	Name	HUC 14	Latitude / Longitude	Stream Type	Impact Type	Length of Impact (ft)	Acreage of Impact (ac)	Drainage Area (ac)	EII	RBP Score	Mitigation / EIUs
1	307+82	Ephem 10	UT NF Ky River	05100201-030-230	37.26752 / 83.20273	Ephemeral	Culvert	60	0.003	3.8	0.44	70	No
2	314+90	Ephem 9	UT NF Ky River	05100201-030-230	37.26870 / 83.20442	Ephemeral	Fill	360	0.008	9.5	0.50	95	No
	315+00	Ephem 7	UT NF Ky River	05100201-030-230	37.26871 / 83.20466	Ephemeral	Fill	917	0.063	3.2	0.31	69	No
	317+95	Ephem 8	UT NF Ky River	05100201-030-230	37.26927 / 83.20536	Ephemeral	Fill	276	0.013	10.5	0.63	142	No
3	325+00	Per 2	North Fork Ky River	05100201-030-230	37.27057 / 83.20724	Perennial	Temporary Fill	-	0.056	325,119	0.12	103	No
4	342+50	Ephem 6	UT NF Ky River	05100201-030-230	37.27374 / 83.21149	Ephemeral	Fill	126	0.009	4.7	0.85	152	No
	342+75	WTL 2	Wetland	05100201-030-230	37.27397 / 83.21156	PEM	Fill	-	0.043	Na	na	na	Yes
	343+00	Per 1	UT NF Ky River	05100201-030-230	37.27420 / 83.21183	Perennial	Fill	3226	0.481	198	0.14	108	Yes
	345+00	WTL 1	Wetland	05100201-030-230	37.27450 / 83.21264	PEM	Fill	-	0.064	Na	na	na	Yes
	352+80	Ephem 5	UT NF Ky River	05100201-030-230	37.27545 / 83.21387	Ephemeral	Fill	462	0.021	2.8	0.79	152	No
	357+20	Ephem 4	UT NF Ky River	05100201-030-230	37.27672 / 83.21525	Ephemeral	Fill	483	0.022	2.2	0.31	141	No
	363+40	Ephem 3	UT NF Ky River	05100201-030-230	37.27802 / 83.21687	Ephemeral	Fill	207	0.009	0.6	0.28	135	No
	363+60	Int 2	UT NF Ky River	05100201-030-230	37.27805 / 83.21682	Intermittent	Fill	210	0.017	56	0.10	84	Yes
Total Stream Impacts								6327	0.646				
Total Wetland Impacts									0.107				
Total Temporary Impacts									0.056				

*UT NF Ky River = Unnamed tributary to North Fork Kentucky River

Total: Ephemeral = 2,891 lf or 0.148 ac

Intermittent = 210 lf or 0.017 ac

Perennial = 3,226 lf or 0.481 ac

Temporary impacts are for construction of either a low water crossing or causeway depending on contractor's preference.

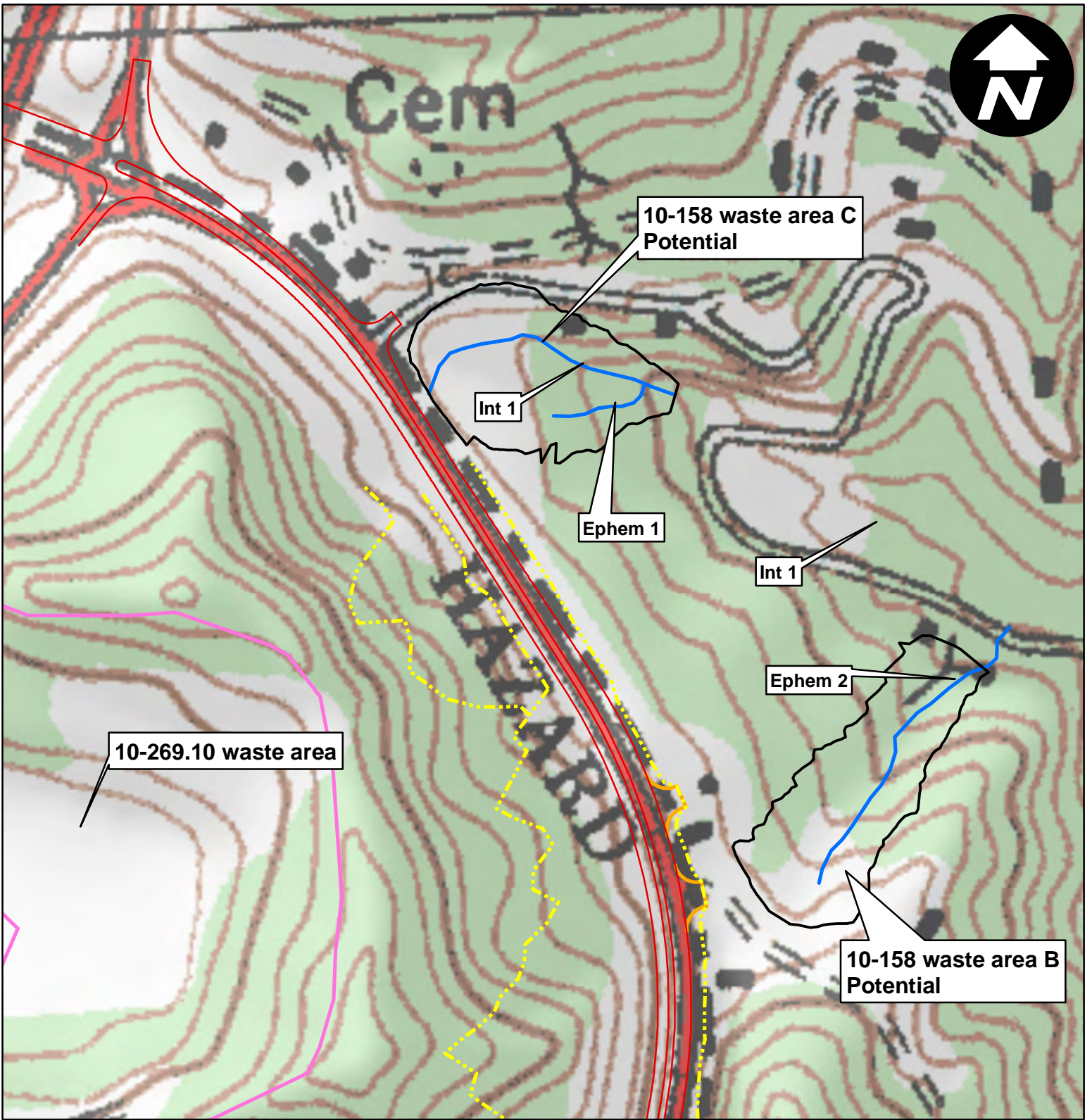
Table 2: Waste areas A, B and C are being included in this LOP in the event they are needed during construction.

Crossing	Station	Site #	Name	HUC 14	Latitude / Longitude	Stream Type	Impact Type	Length of Impact (ft)	Acreage of Impact (ac)	Drainage Area (ac)	EII	RBP Score	Mitigation / EIUs
5	342+50	Ephem 6^	UT NF Ky River	05100201-030-230	37.27374 / 83.21149	Ephemeral	Fill	139	0.010	4.7	0.85	152	No
6	Waste Area B	Ephem 2	UT NF Ky River	05100201-030-230	37.28472 / 83.21365	Ephemeral	Fill	742	0.034	6.3	0.17	113	No
7	Waste Areas C	Int 1	UT NF Ky River	05100201-030-230	37.28518 / 83.21333	Intermittent	Fill	635	0.065	96	0.23	125	Yes
	Waste Area C	Ephem 1	UT NF Ky River	05100201-030-230	37.28650 / 83.21210	Ephemeral	Fill	228	0.010	0.4	0.24	127	No
Total Stream Impacts								1744	0.098				

^ An additional 139 lf of Ephem 6 will be impacted by the haul road created to access waste site A

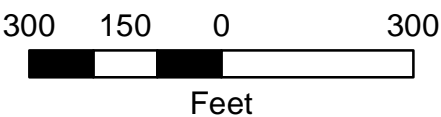
Total: Ephemeral = 1,109 lf or 0.033 ac

Intermittent = 635 lf or 0.065 ac



**Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road**

US Topo Map: North Hazard



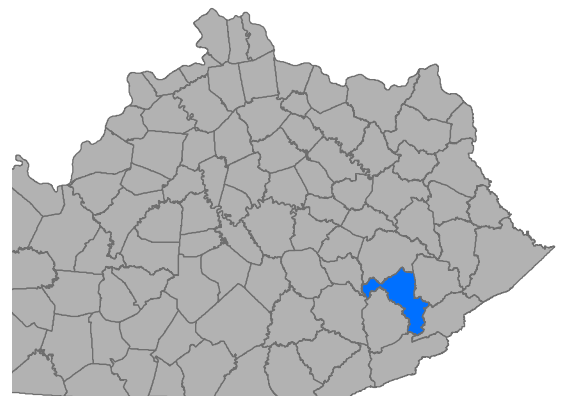
KY_15_Proposed_Alternative

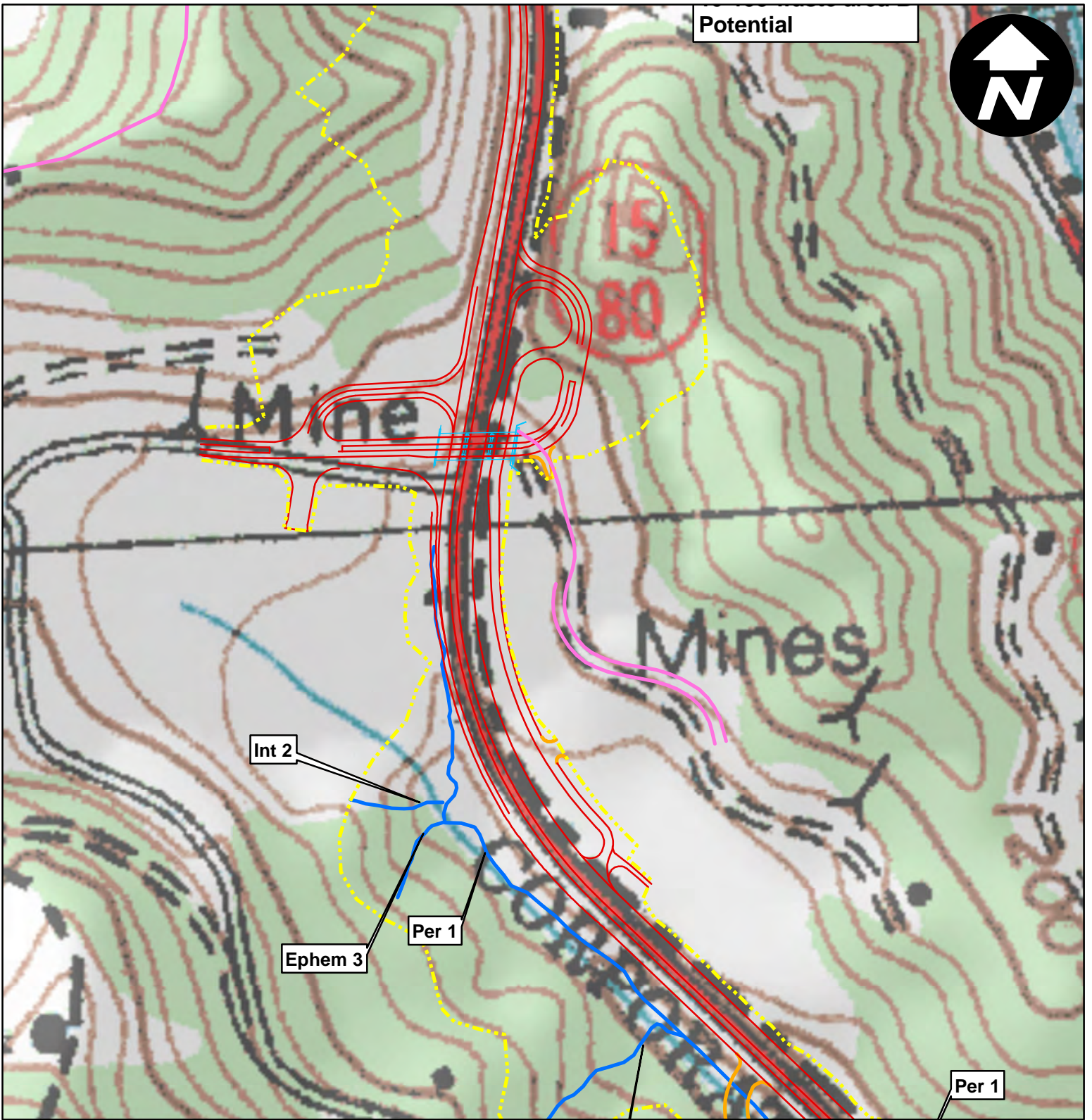
Layer

-  Bridge
-  Entrance
-  Existing Easement
-  Proposed Waste Area
-  Disturb Limits
-  EOP
-  Streams

Type

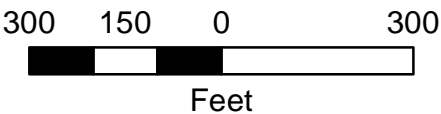
-  Crossing
-  WTL





**Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road**

US Topo Map: North Hazard



KY_15_Proposed_Alternative

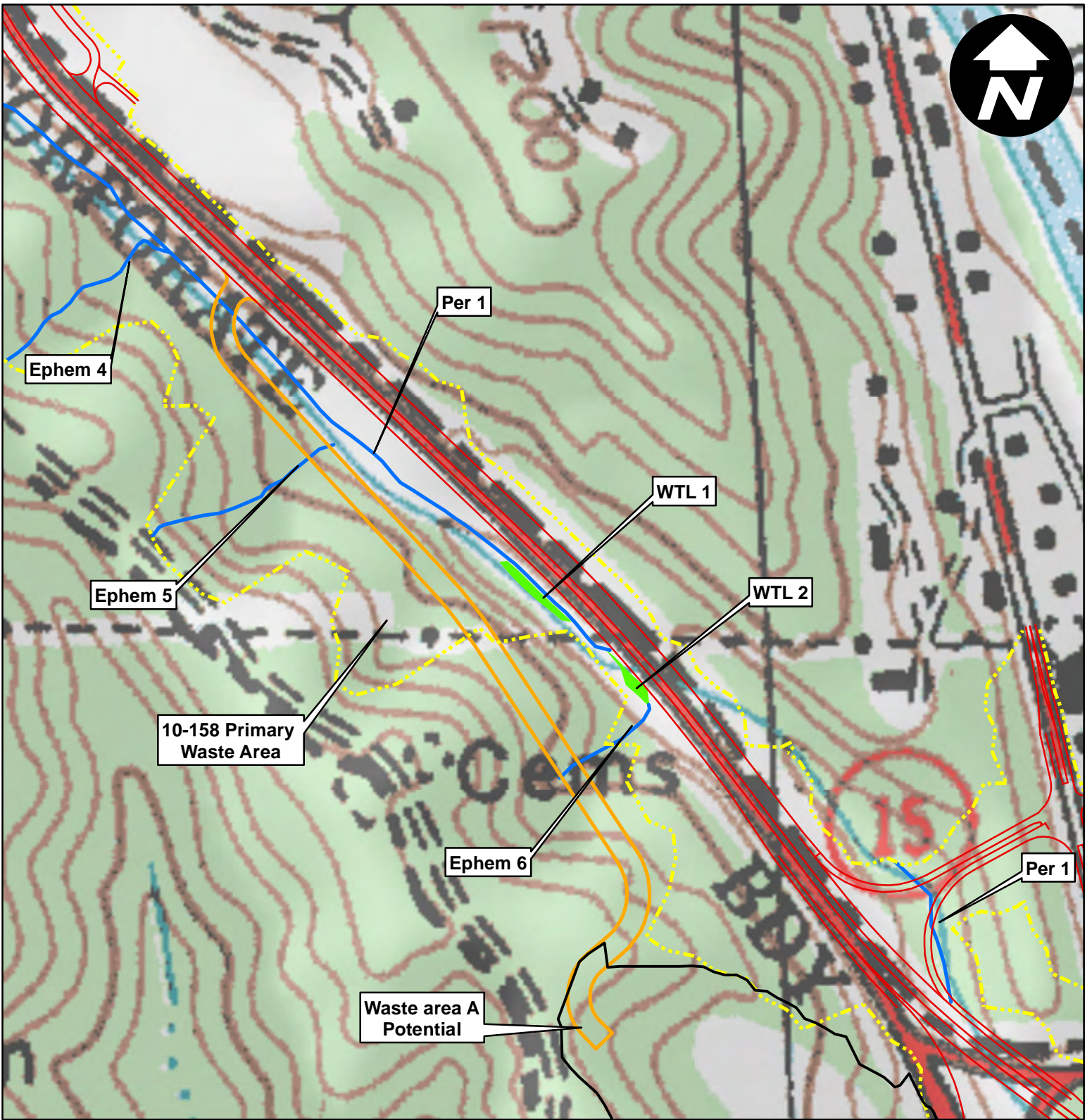
Layer

-  Bridge
-  Entrance
-  Existing Easement
-  Proposed Waste Area
-  Disturb Limits
-  EOP
-  Streams

Type

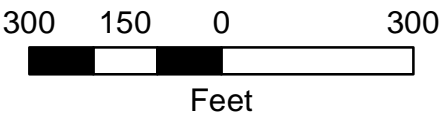
-  Crossing
-  WTL





**Perry County, Kentucky
 Upper Kentucky River Basin
 KYTC Item #10-158.00
 Improvements to KY 15 from
 KY 15 Bypass to Boone
 Ridge Road**

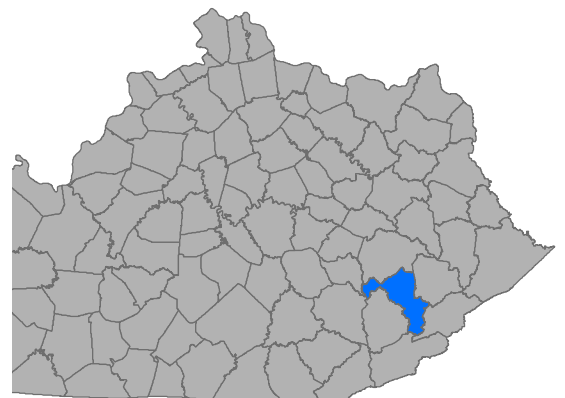
US Topo Map: North Hazard

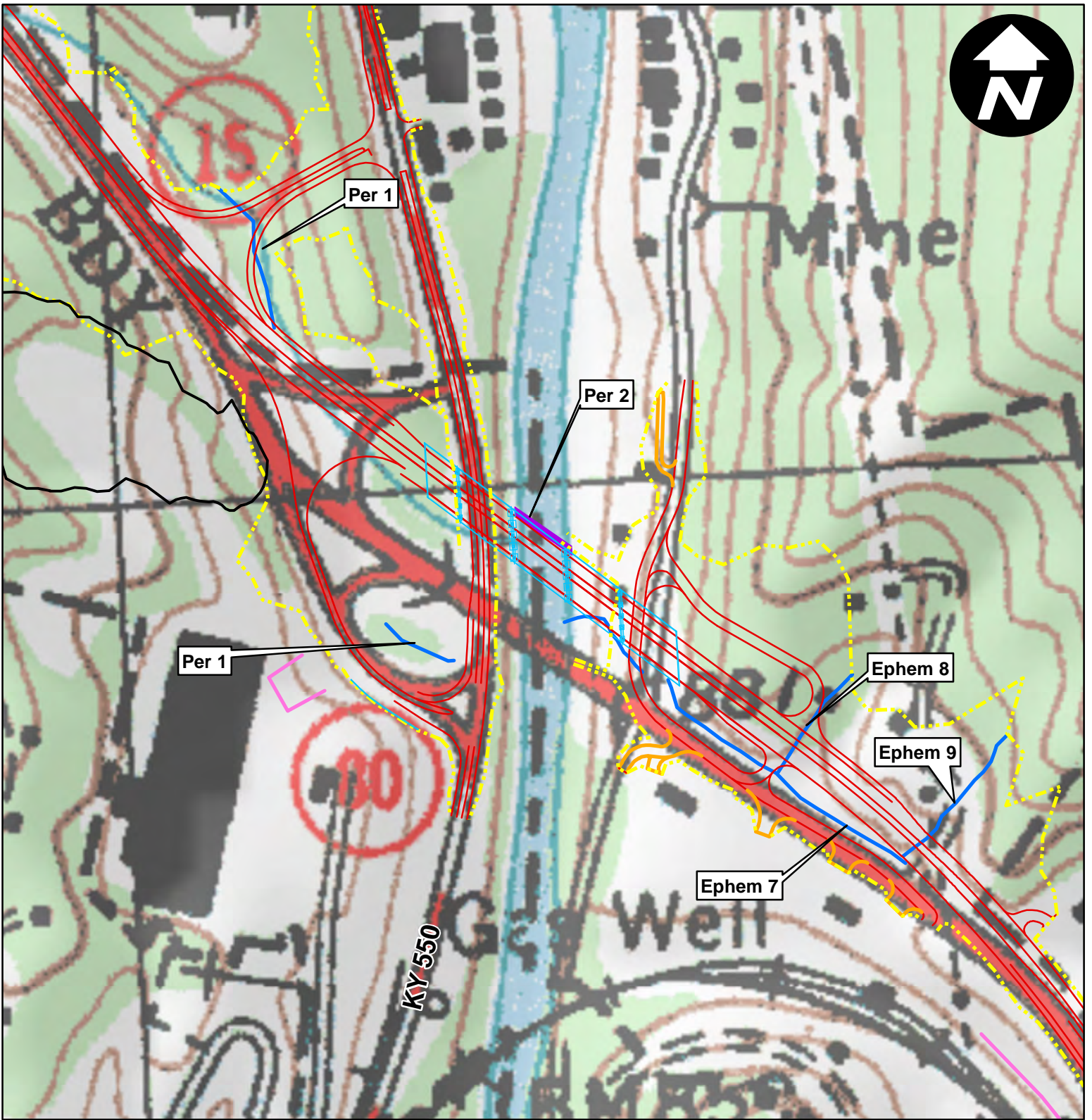


**KY_15_Proposed_Alternative
 Layer**

- Bridge
- Entrance
- Existing Easement
- Proposed Waste Area
- Disturb Limits
- EOP
- Streams

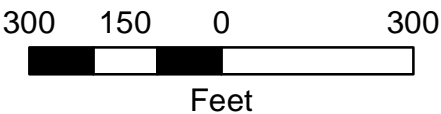
- Type**
- Crossing
 - WTL





**Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road**

US Topo Map: North Hazard



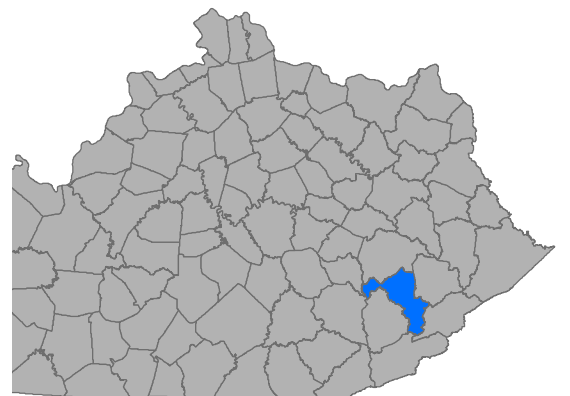
KY_15_Proposed_Alternative

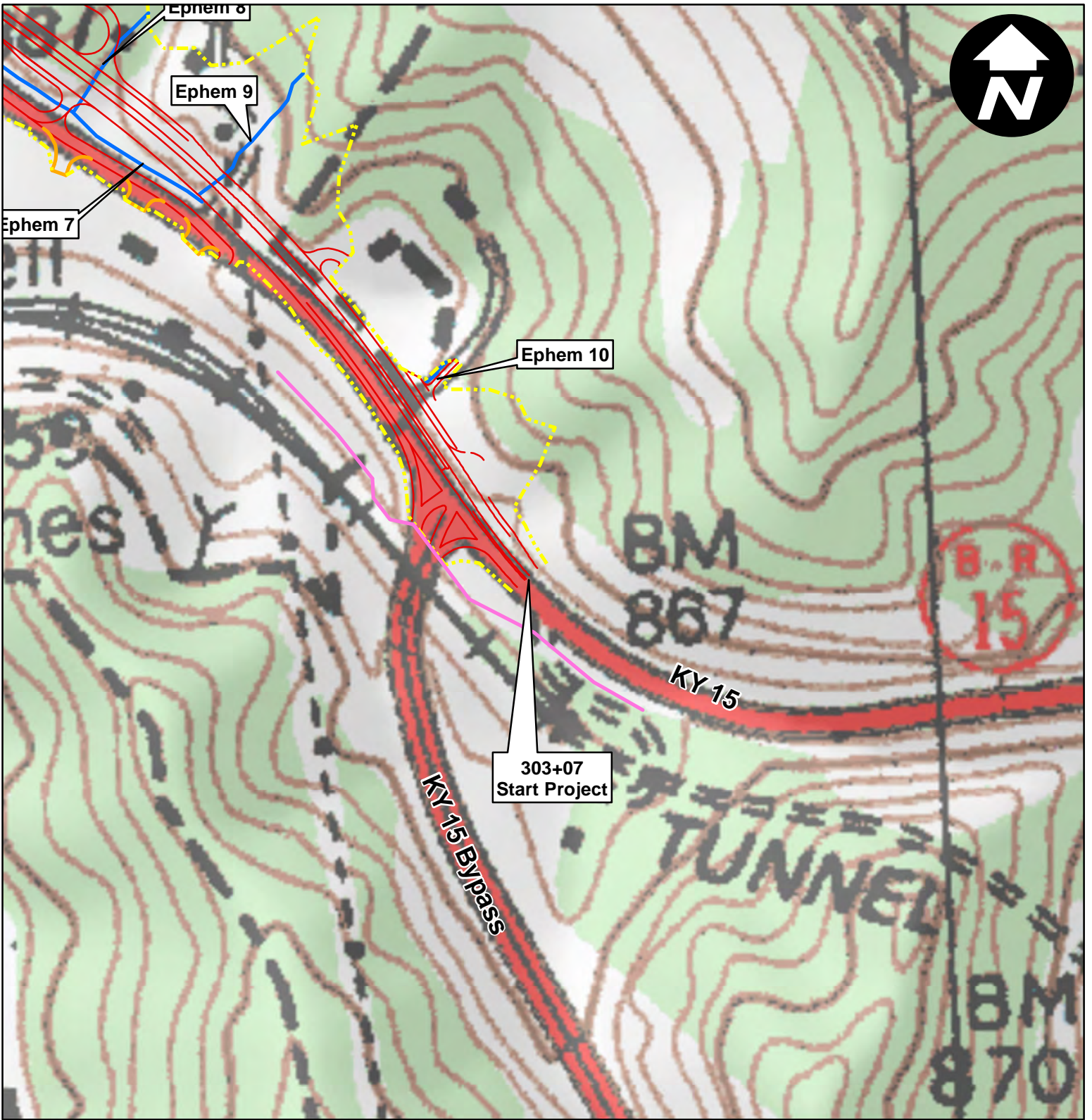
Layer

-  Bridge
-  Entrance
-  Existing Easement
-  Proposed Waste Area
-  Disturb Limits
-  EOP
-  Streams

Type

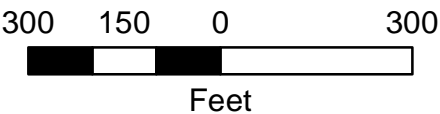
-  Crossing
-  WTL





Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road

US Topo Map: North Hazard



KY_15_Proposed_Alternative

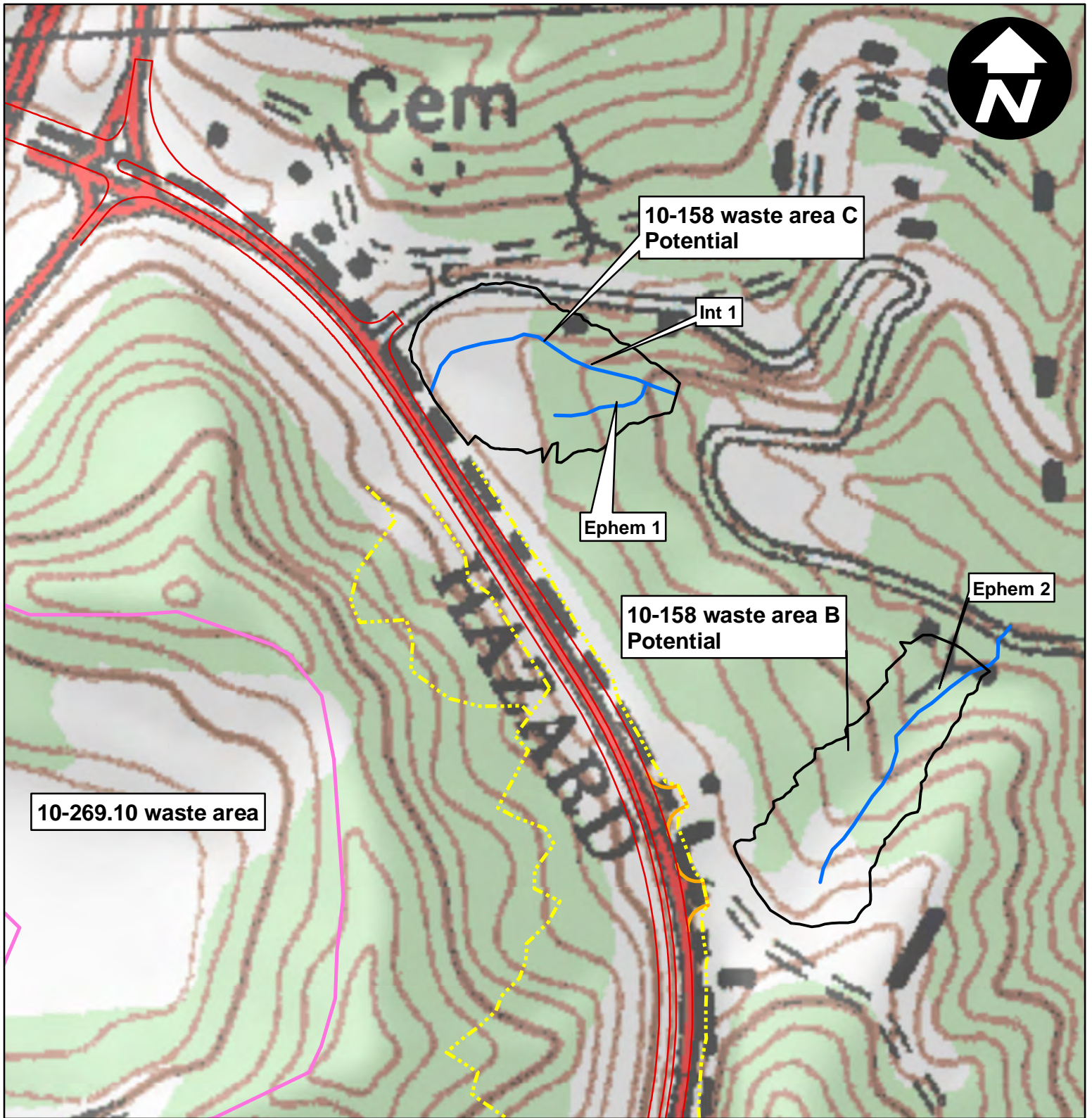
Layer

- Bridge
- Entrance
- Existing Easement
- Proposed Waste Area
- - - Disturb Limits
- EOP
- Streams

Type

- Crossing
- WTL





**Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road**

US Topo Map: North Hazard

KY_15_Proposed_Alternative

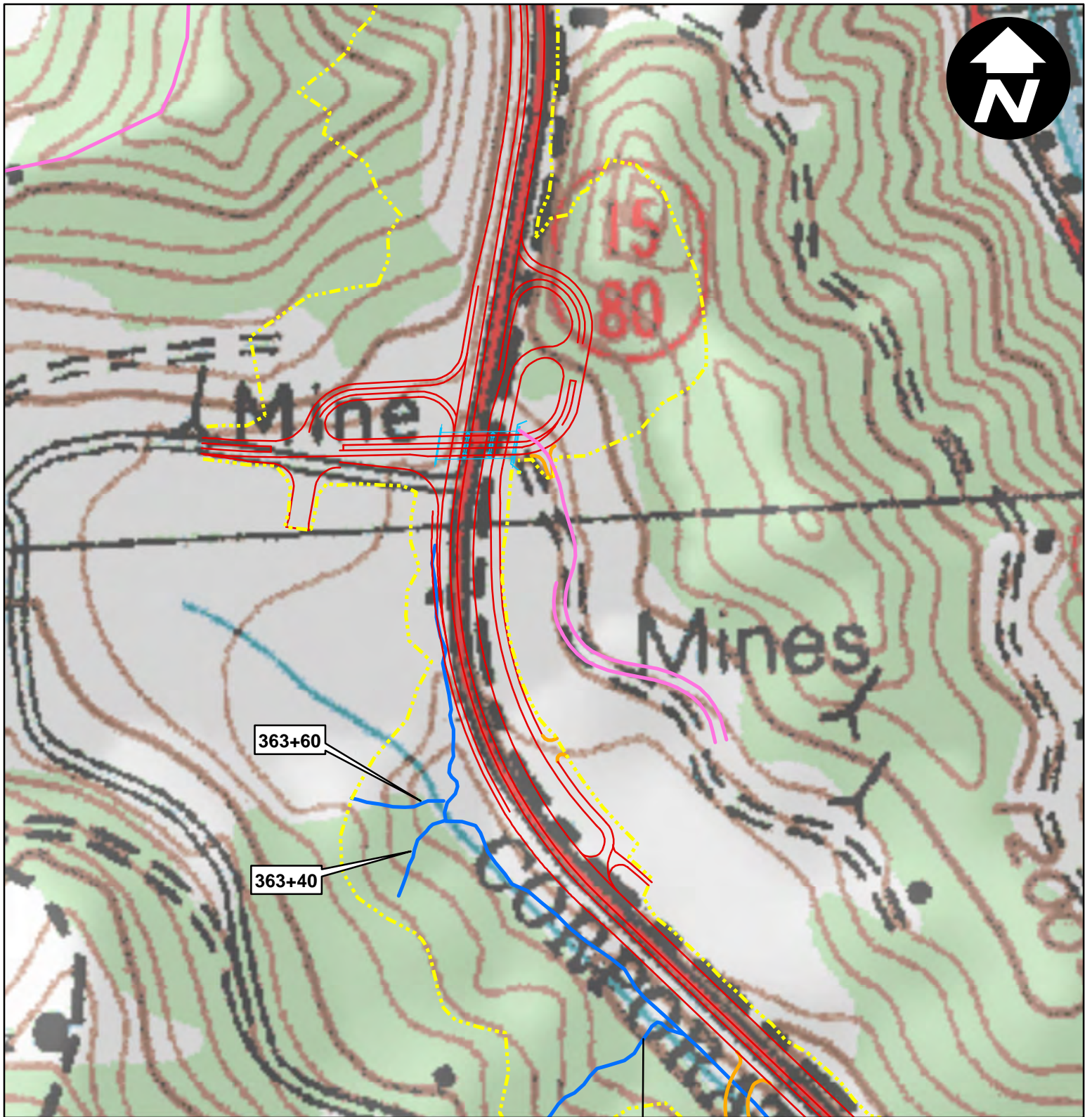
Layer

-  Bridge
-  Entrance
-  Existing Easement
-  Proposed Waste Area
-  Disturb Limits
-  EOP
-  Streams

Type

-  Crossing
-  WTL





**Perry County, Kentucky
 Upper Kentucky River Basin
 KYTC Item #10-158.00
 Improvements to KY 15 from
 KY 15 Bypass to Boone
 Ridge Road**

US Topo Map: North Hazard

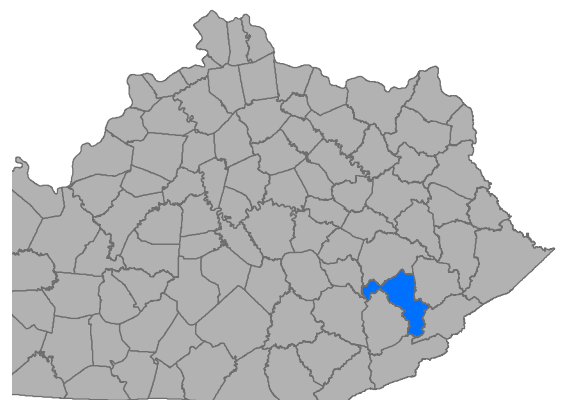
KY_15_Proposed_Alternative

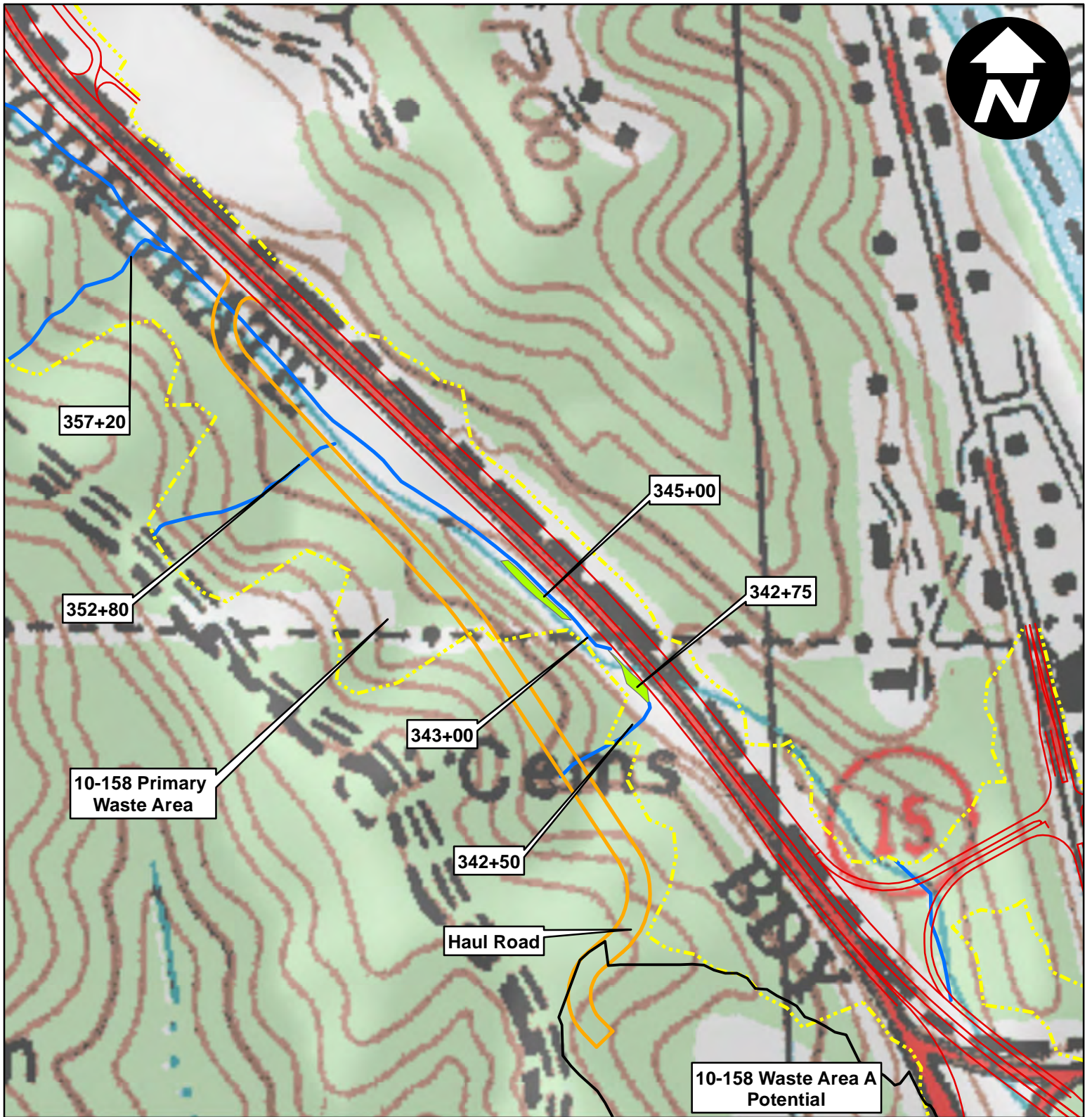
Layer

- Bridge
- Entrance
- Existing Easement
- Proposed Waste Area
- - - Disturb Limits
- EOP
- Streams

Type

- Crossing
- WTL





**Perry County, Kentucky
 Upper Kentucky River Basin
 KYTC Item #10-158.00
 Improvements to KY 15 from
 KY 15 Bypass to Boone
 Ridge Road**

US Topo Map: North Hazard

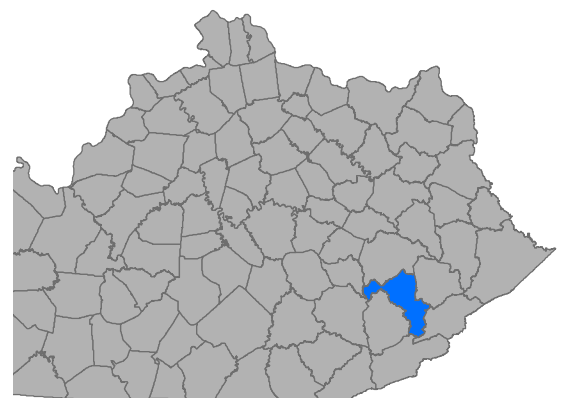
KY_15_Proposed_Alternative

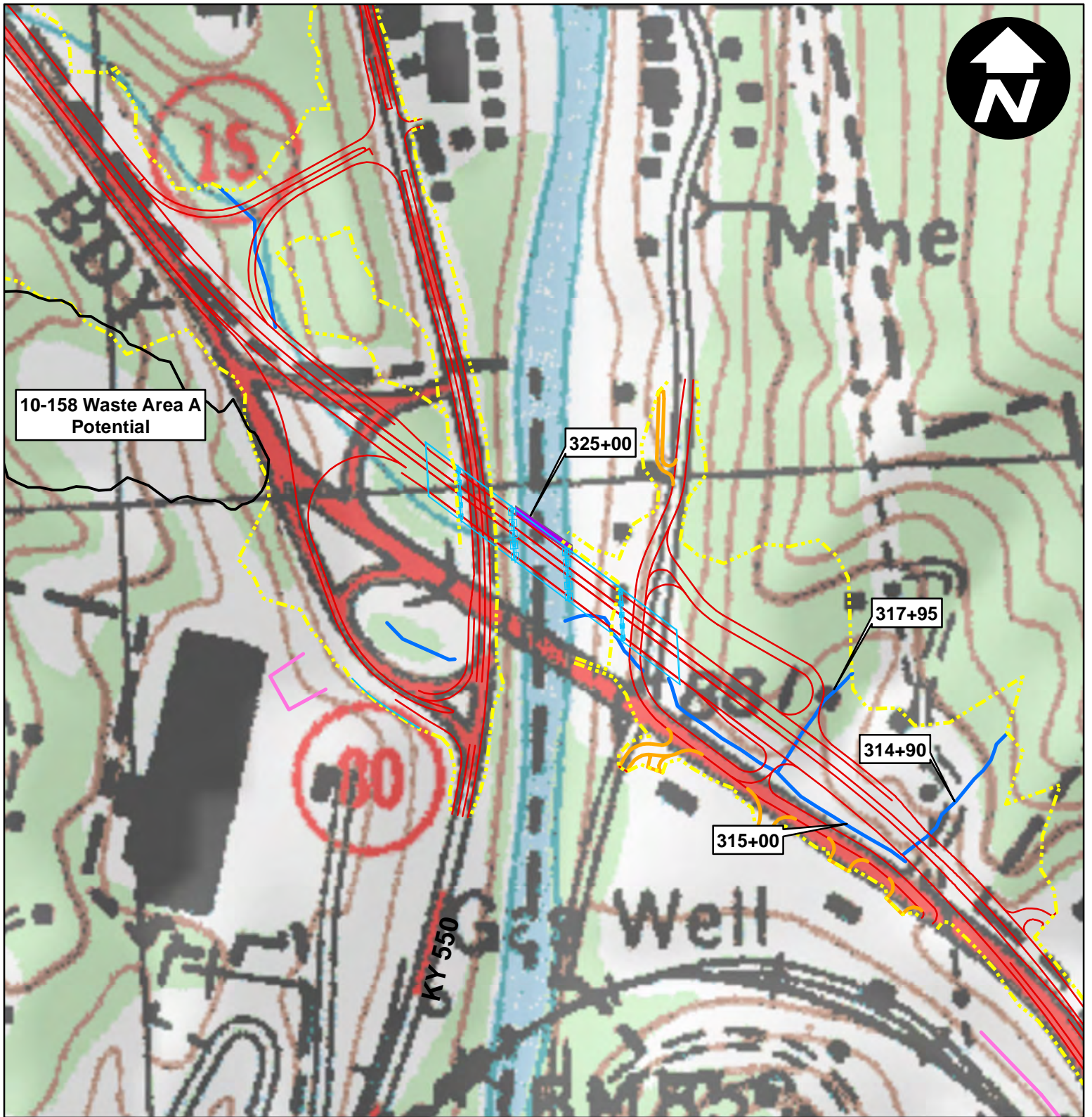
Layer

- Bridge
- Entrance
- Existing Easement
- Proposed Waste Area
- - - Disturb Limits
- EOP
- Streams

Type

- Crossing
- WTL





**Perry County, Kentucky
 Upper Kentucky River Basin
 KYTC Item #10-158.00
 Improvements to KY 15 from
 KY 15 Bypass to Boone
 Ridge Road**

US Topo Map: North Hazard

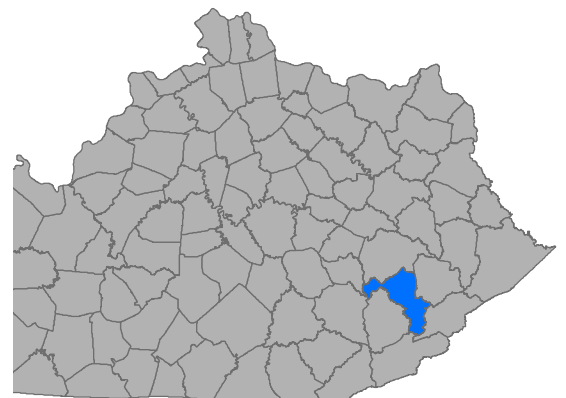
KY_15_Proposed_Alternative

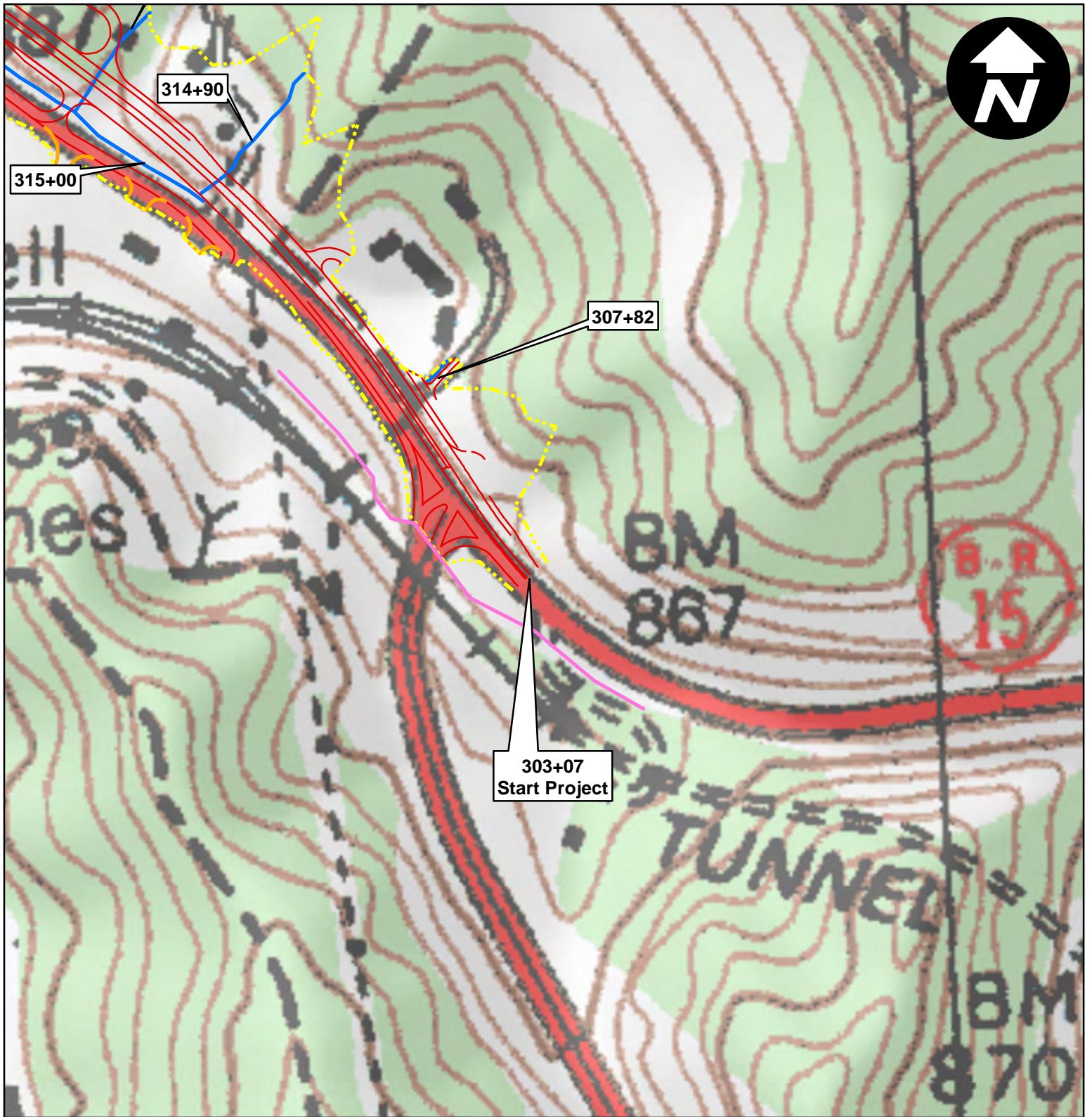
Layer

-  Bridge
-  Entrance
-  Existing Easement
-  Proposed Waste Area
-  Disturb Limits
-  EOP
-  Streams

Type

-  Crossing
-  WTL





Perry County, Kentucky
Upper Kentucky River Basin
KYTC Item #10-158.00
Improvements to KY 15 from
KY 15 Bypass to Boone
Ridge Road

US Topo Map: North Hazard

KY_15_Proposed_Alternative

Layer

- Bridge
- Entrance
- Existing Easement
- Proposed Waste Area
- Disturb Limits
- EOP
- Streams

Type

- Crossing
- WTL

