

MEMORANDUM

TO: Equitrans Midstream, LLC
FROM: Samantha Zelenka
DATE: September 13, 2019
PROJECT NAME: EHP418_000 Pipeline **PROJECT NO.** 102502114
SUBJECT: Aquatic Resources Investigation

INTRODUCTION

Aquatic resource investigations of the proposed EHP418_000 Pipeline project were conducted on April 2 and July 24, 2019. The proposed project is in Ohio Township, Monroe County, Ohio and appears on the New Martinsville, Ohio United States Geological Survey (USGS) 7.5-minute topographic quadrangle (**Attachment A, Figure 1**). The area of investigation (AOI) included an area of adequate size to encompass the limits of disturbance (LOD) for the proposed project.

METHODS

Wetland investigations were done using the updated methodology outlined in the 1987 *Corps of Engineers Wetland Delineation Manual* and the 2012 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, Version 2.0*. This approach recognizes the three parameters of hydrology, vegetation, and soils to identify and delineate wetland boundaries. Stream identifications were done in accordance with Section 404 of the Clean Water Act (CWA), which defines the landward limit of jurisdiction as the ordinary high water mark within the limit of non-tidal waters. Prior to the field investigation, published resource information pertaining to the AOI was gathered and reviewed; information sources included soils data, stream data, and wetlands data from various sources. Upland and wetland habitat conditions throughout the AOI were documented at sampling point locations to characterize and describe the varying conditions within the study area. These sampling point data were recorded on USACE Wetland Determination Data Forms. Additional wetland and stream data were recorded on data forms published by the Ohio Environmental Protection Agency (OEPA).

RESULTS

The AOI consists of young deciduous forests and existing utility rights-of-way (ROW). Twelve streams and three wetlands were identified within the AOI. The following descriptions provide summaries of the uplands, wetlands, and streams. Please refer to **Attachment A, Figure 2** for an aerial overview of all features referenced in this report.

Uplands

Upland habitat within the AOI consists predominantly of forest, and there are some existing ROW crossings. Dominant conditions in these upland areas of the AOI were characterized by three sample points. These sampling points included documentation of vegetation, soils, and indicators of hydrology. There were no indicators of wetland hydrology, hydrophytic vegetation, or hydric soils observed in the upland communities. Dominant plants in the uplands consisted of common species typical of this region. For a complete list of plants, soils, and other pertinent information of upland site conditions, please refer to the USACE Wetland Determination Data Forms in **Attachment B**. Representative photographs

documenting upland site conditions within the AOI are provided in **Attachment C. Table 1** provides a summary of sampling information regarding the uplands.

Table 1. Uplands within the Project AOI.		
Sampling Point	Habitat Type	Sampling Point Coordinates
SP-190724-0940	Forest	39.70409, -80.85666
SP-190322-1630	Forest	39.70821, -80.84609

Wetlands

Three palustrine emergent (PEM) wetlands were identified within the AOI during the site investigation. PEM wetlands are characterized by a dominance of herbaceous vegetation (e.g., marshes). Several indicators of hydrophytic vegetation, hydric soils, and wetland hydrology were recorded at representative sampling points. Dominant plant species in the wetlands consisted of common species typical of this region. For specific information regarding the wetlands, please refer to the USACE Wetland Determination Data Forms and OEPA Ohio Rapid Assessment Method for Wetlands (ORAM) Forms in **Attachment B**. Wetland locations and photographs are in **Attachment A, Figure 2** and **Attachment C**, respectively. **Table 2** provides a summary of pertinent information regarding the wetlands.

Table 2. Wetlands within the Project AOI.				
Wetland ID	Habitat Type	ORAM v 5.0 Score	ORAM Category	Coordinates
W-190402-1540	PEM	4 points	Category 1	39.70811, -80.84880
W-190402-1545	PEM	4 points	Category 1	39.70846, -80.84772
W-190402-1555	PEM	4 points	Category 1	39.70866, -80.84770

Streams

The field investigation identified six ephemeral streams, five intermittent streams, and one perennial stream within the AOI. These streams are Stetson Run and unnamed tributaries (UNT) to the Ohio River within the Central Ohio Tributaries watershed drainage basin. The Ohio Administrative Code (OAC), Rule 3745-1-32, Water Use Designations lists Ohio River as Warm Water Habitat (WWH), Public Water Supply (PWS), Agricultural Water Supply (AWS), Industrial Water Supply (IWS) sources, and bathing waters. Stetson Run and the UNTs to the Ohio River do not have water use designations. The Ohio River is not listed in the OAC Rule 3745-1-05 Antidegradation list as a Superior High Quality Water, nor is it listed as a Scenic River by the National Park Service (U.S. Department of the Interior) or the Ohio Department of Natural Resources (ODNR) (Division of Watercraft). Stetson Run and the UNT streams are in a Possibly Eligible Area for 401 Water Quality Certification. The stream locations and photographs are in **Attachment A, Figure 2** and **Attachment C**, respectively. **Attachment B** contains OEPA Primary Headwater Habitat Evaluation (HHEI) Forms that contain information specific to each stream. **Table 3** provides a summary of pertinent information regarding the streams.

Table 3. Streams within the project AOI.					
Stream ID	Stream Type	Stream Name	HHEI Score	HHEI Class	Coordinates
STR-190724-1000	Ephemeral	UNT to Ohio River	35	Class I	39.70394, -80.85602
STR-190724-1020	Perennial	Stetson Run	81	Class III	39.70437, -80.85540
STR-190724-1100	Ephemeral	UNT to Ohio River	24	Class I	39.70696, -80.85174
STR-190724-1115	Ephemeral	UNT to Ohio River	24	Class I	39.70704, -80.85151

Table 3. Streams within the project AOI.


Stream ID	Stream Type	Stream Name	HHEI Score	HHEI Class	Coordinates
STR-190402-1440	Intermittent	UNT to Ohio River	51	Class II	39.70832, -80.85017
STR-190402-1500	Intermittent	UNT to Ohio River	41	Class II	39.70794, -80.85073
STR-190402-1510	Ephemeral	UNT to Ohio River	22	Class I	39.70830, -80.84984
STR-190402-1530	Ephemeral	UNT to Ohio River	22	Class I	39.70824, -80.84879
STR-190402-1545	Intermittent	UNT to Ohio River	28	Class II	39.70870, -80.84782
STR-190402-1600	Intermittent	UNT to Ohio River	28	Class II	39.70878, -80.84748
STR-190402-1605	Intermittent	UNT to Ohio River	28	Class II	39.70902, -80.84694
STR-190402-1620	Ephemeral	UNT to Ohio River	22	Class I	39.70881, -80.84667

CONCLUSIONS

A field investigation identified three wetlands and 12 streams within the AOI. Upland areas within the AOI include deciduous forests and existing ROWs.

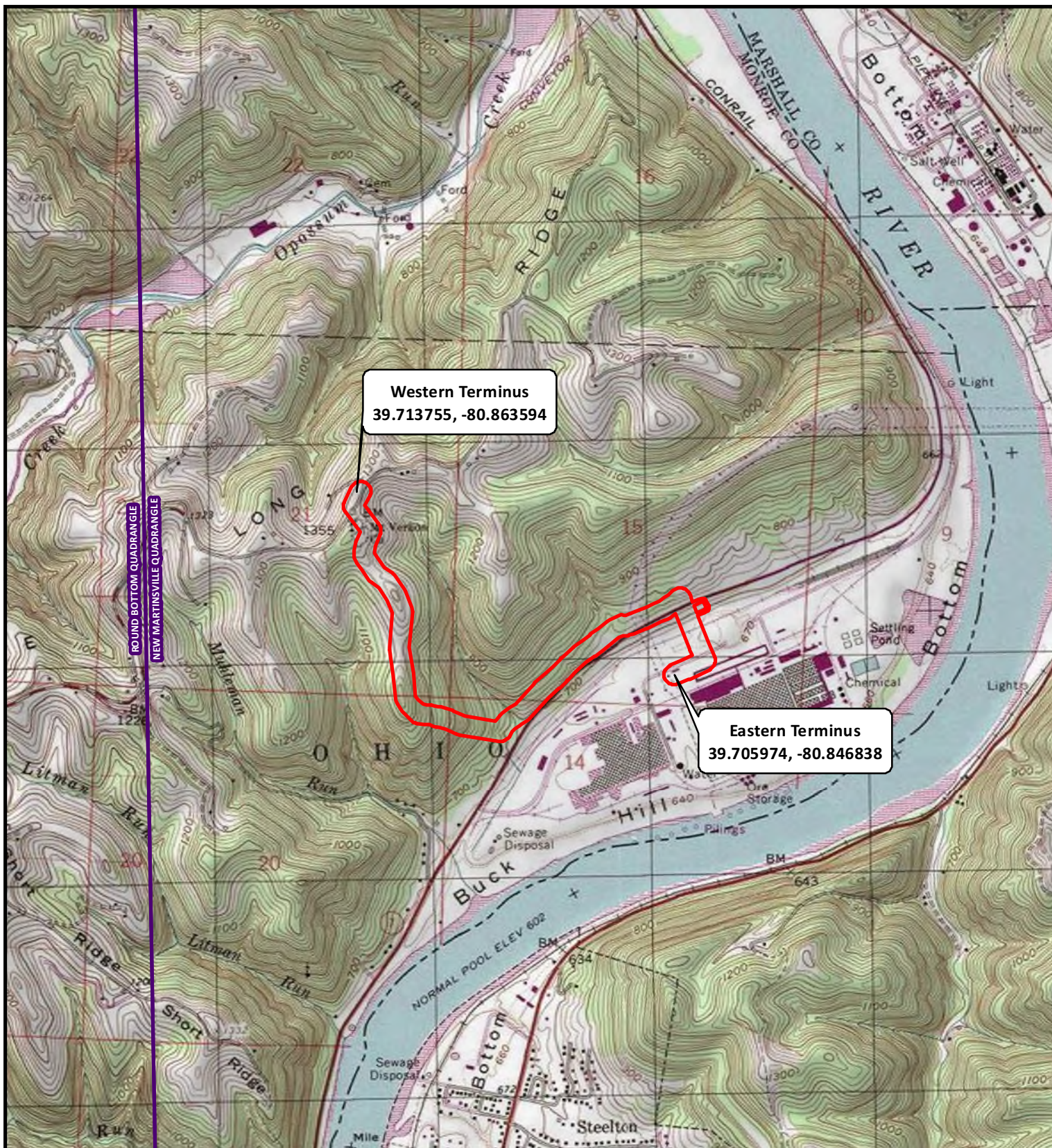
The USACE is the federal regulatory authority for determination of "Waters of the United States"; the project is located in southeast Ohio, within the jurisdiction of the Pittsburgh District of the U.S. Army Corps of Engineers. The OEPA is the state regulatory authority for streams and wetlands.


Prepared by: 
Samantha C. Zelenka, Environmental Scientist

Reviewed by: 
Martin A. Friday, Senior Biologist

ATTACHMENT A

PROJECT MAPPING



 Area of Investigation

Equitrans Midstream, LLC

EHP418_000

Figure 1 - Topographic Basemap

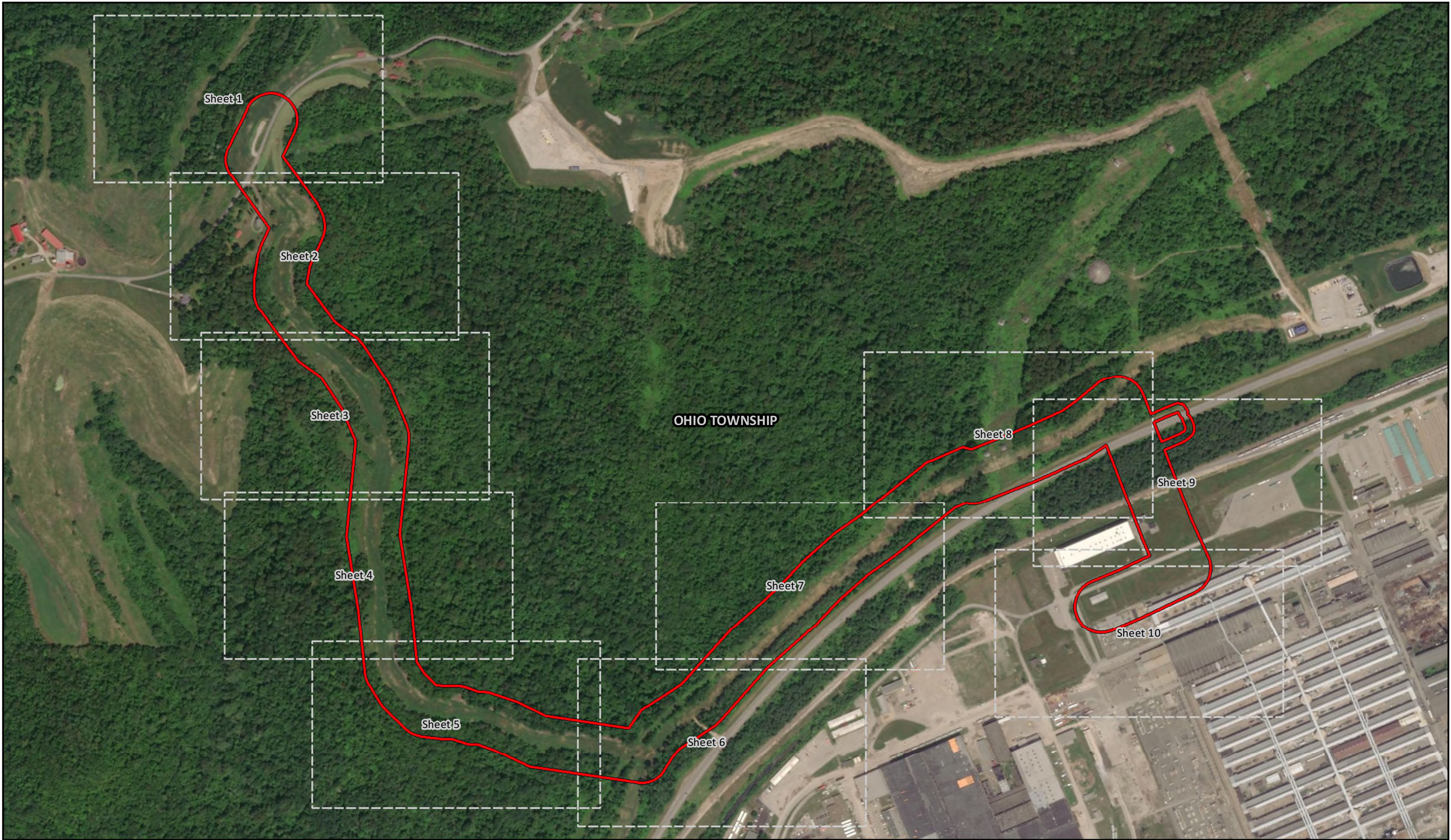
Ohio Township, Monroe County, OH
Project No. 102502114





0 2,000
1 inch = 2,000 feet


Service Layer Credits: Copyright: © 2013
National Geographic Society, i-cubed




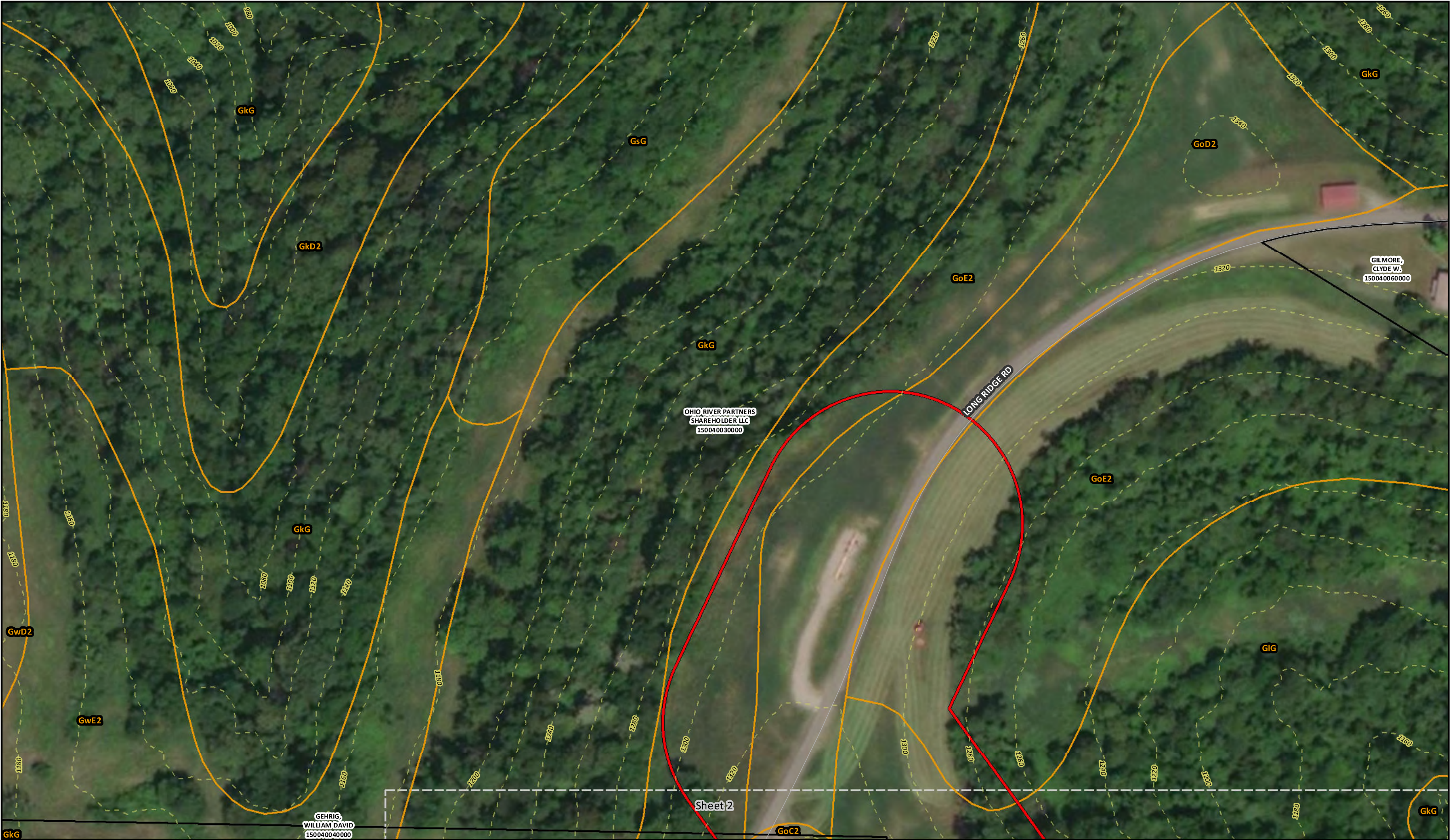


Equitrans Midstream, LLC
EHP418_000
Figure 2 - Aerial Basemap
Ohio Township, Monroe County, OH
Project No. 102502114

 Area of Investigation
 Grid Sheet


0 500 Feet
1 inch = 500 feet
Imagery Source: Esri, DigitalGlobe, GeoEye,
Earthstar Geographics, CNES/Airbus DS, USDA,
USGS, AeroGRID, IGN, and the GIS User

 **RETTEW**
Index Sheet
9/12/2019 Drawn By:
travis.charlton



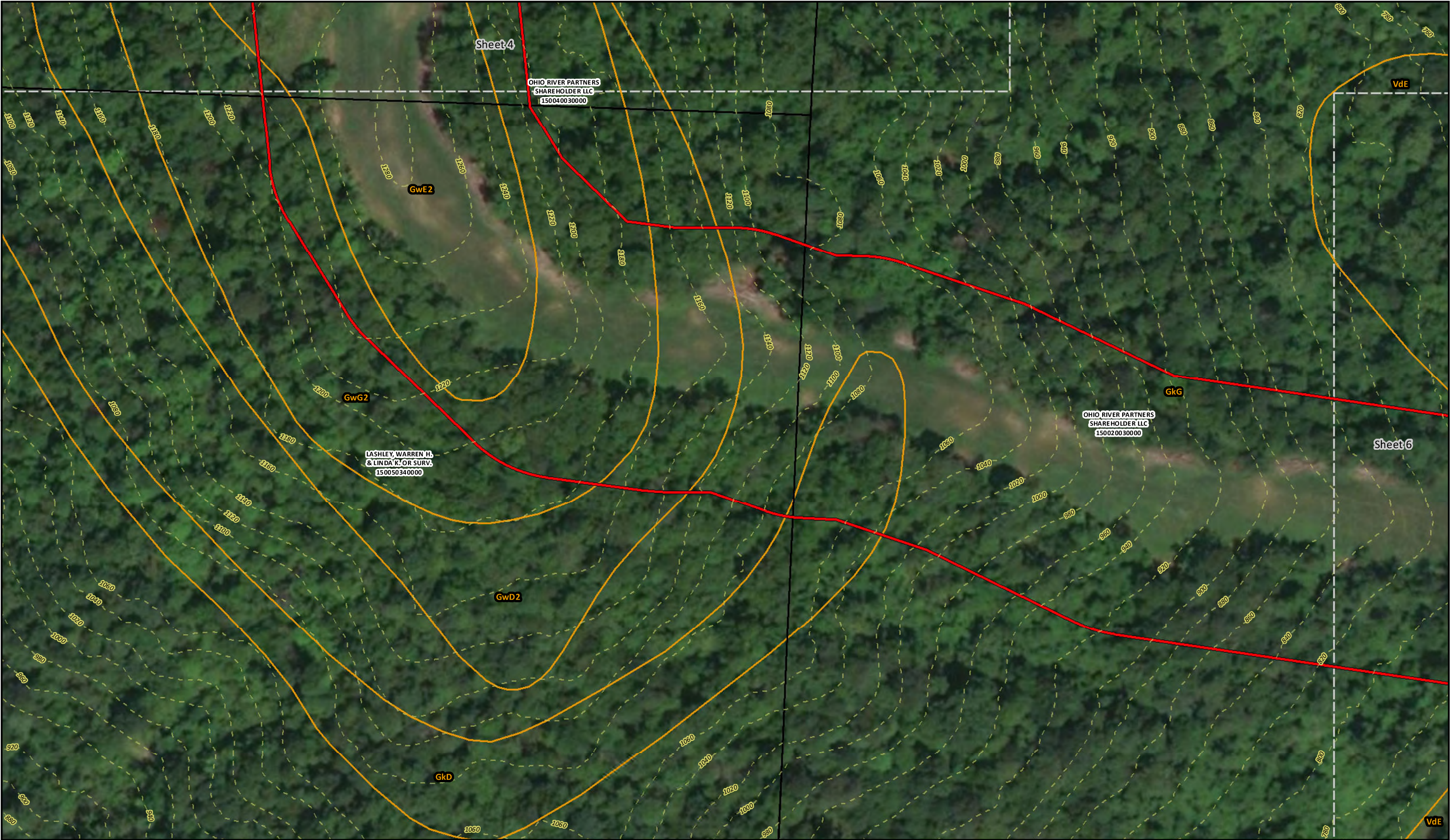
<div>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</div>	<div>📍 Photo Location & Orientation</div> <div>📍 Sample Point</div> <div>— Culvert</div>	<div>— Delineated Stream</div> <div>➡ Feature Continues</div> <div>--- Elevation Contour (20' Interval)</div>	<div>▨ Delineated Wetland</div> <div>▭ Area of Investigation</div> <div>▭ Parcel Boundary</div>	<div>▭ Soil Unit Boundary</div> <div>▭ Grid Sheet</div>	<div><div><div><div>N</div><div>E</div><div>S</div><div>W</div></div><div><div>0</div><div>100</div></div><div>Feet</div></div><div>1 inch = 100 feet</div><div><div>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</div></div></div>	<div><div><div><div>equitrans</div><div>Midstream</div></div><div>RETTEW</div></div><div>Sheet 1 of 10</div><div><div>9/12/2019</div><div>Drawn By: travis.charlton</div></div></div>
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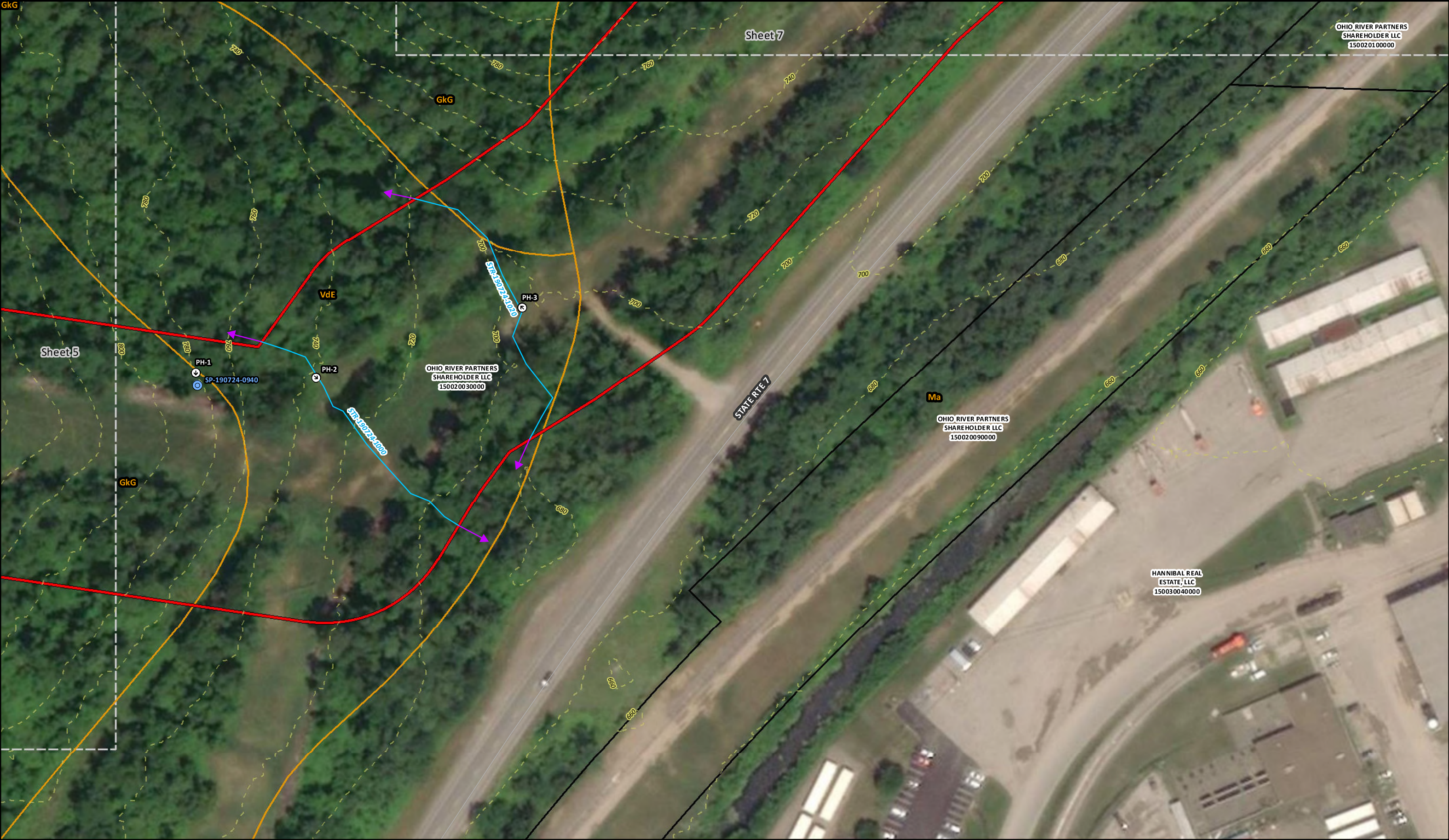
<div>Equitrans Midstream, LLC</div> <div>EHP418_000</div> <div>Figure 2 - Aerial Basemap</div> <div>Ohio Township, Monroe County, OH</div> <div>Project No. 102502114</div>	<div><div></div><div>Photo Location & Orientation</div></div> <div><div></div><div>Sample Point</div></div> <div><div></div><div>Culvert</div></div>	<div><div></div><div>Delineated Stream</div></div> <div><div></div><div>Feature Continues</div></div> <div><div></div><div>Elevation Contour (20' Interval)</div></div>	<div><div></div><div>Delineated Wetland</div></div> <div><div></div><div>Area of Investigation</div></div> <div><div></div><div>Parcel Boundary</div></div>	<div><div></div><div>Soil Unit Boundary</div></div> <div><div></div><div>Grid Sheet</div></div>	<div><div></div><div><div>0100</div><div>Feet</div></div><div>1 inch = 100 feet</div></div> <div><div>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</div></div>	<div><div></div><div>RETTEW</div></div>
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	<div><div>9/12/2019</div><div>Drawn By: travis.charlton</div></div>					



<p>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</p>	<p>📍 Photo Location & Orientation</p> <p>📍 Sample Point</p> <p>== Culvert</p>	<p>— Delineated Stream</p> <p>➡ Feature Continues</p> <p>- - - Elevation Contour (20' Interval)</p>	<p>▨ Delineated Wetland</p> <p>▭ Area of Investigation</p> <p>▭ Parcel Boundary</p>	<p>▭ Soil Unit Boundary</p> <p>▭ Grid Sheet</p>	<p>📍 0 100 Feet 1 inch = 100 feet</p> <p>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</p>	<p>equitrans RETTEW Midstream</p> <p>Sheet 4 of 10</p> <p>9/12/2019</p> <p>Drawn By: travis.charlton</p>
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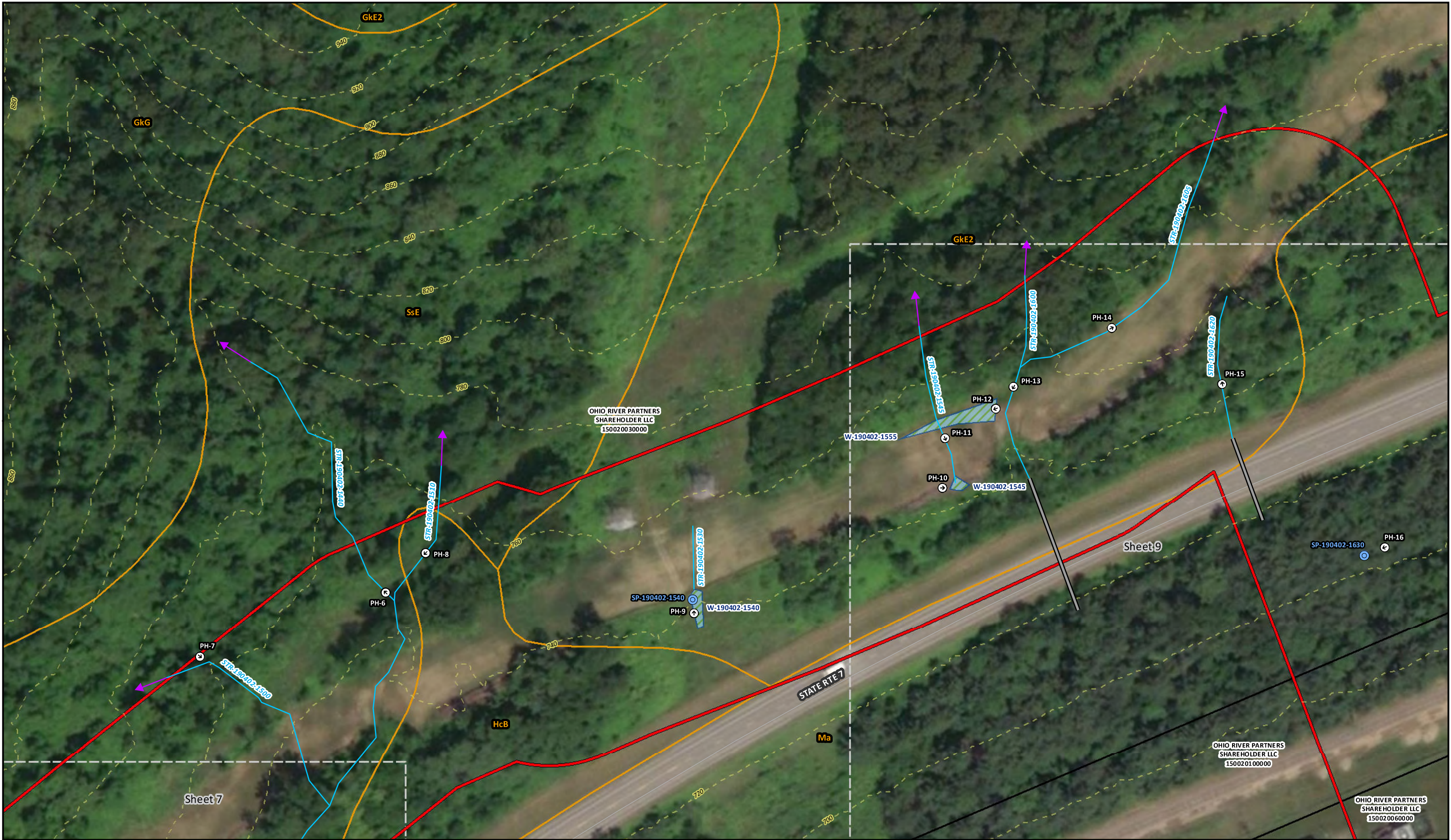
<p>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</p>	<p>📍 Photo Location & Orientation</p> <p>📍 Sample Point</p> <p>== Culvert</p>	<p>— Delineated Stream</p> <p>➡ Feature Continues</p> <p>- - - Elevation Contour (20' Interval)</p>	<p>▨ Delineated Wetland</p> <p>▭ Area of Investigation</p> <p>▭ Parcel Boundary</p>	<p>▭ Soil Unit Boundary</p> <p>▭ Grid Sheet</p>	<p>🧭</p> <p>0 100 Feet</p> <p>1 inch = 100 feet</p> <p>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</p>	<p>equitrans RETTEW Midstream</p> <p>Sheet 5 of 10</p> <p>9/12/2019</p> <p>Drawn By: travis.charlton</p>
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<p>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</p>	<p>📍 Photo Location & Orientation 🔍 Sample Point 🚧 Culvert</p>	<p>🔵 Delineated Stream ➡ Feature Continues 🟡 Elevation Contour (20' Interval)</p>	<p>🟢 Delineated Wetland 🔴 Area of Investigation 🟩 Parcel Boundary</p>	<p>🟠 Soil Unit Boundary 🟤 Grid Sheet</p>	<p>🧭 0 100 Feet 1 inch = 100 feet Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</p>	<p>equitrans RETTEW Midstream Sheet 6 of 10 9/12/2019 Drawn By: travis.charlton</p>
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<div>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</div>	<div>📍 Photo Location & Orientation</div> <div>📍 Sample Point</div> <div>== Culvert</div>	<div>— Delineated Stream</div> <div>➡ Feature Continues</div> <div>--- Elevation Contour (20' Interval)</div>	<div>▨ Delineated Wetland</div> <div>▭ Area of Investigation</div> <div>▭ Parcel Boundary</div>	<div>▭ Soil Unit Boundary</div> <div>▭ Grid Sheet</div>	<div><div><div><div></div><div>N</div></div><div><div></div><div>E</div></div><div><div></div><div>S</div></div><div><div></div><div>W</div></div></div><div><div>0</div><div>100</div></div><div>Feet</div><div>1 inch = 100 feet</div></div> <div><div>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</div></div>	<div><div><div><div>equitrans</div><div>Midstream</div></div><div>RETTEW</div></div><div>Sheet 7 of 10</div><div><div>9/12/2019</div><div>Drawn By: travis.charlton</div></div></div>



Equitrans Midstream, LLC

EHP418_000

Figure 2 - Aerial Basemap

Ohio Township, Monroe County, OH
Project No. 102502114

⊕ Photo Location & Orientation

⊙ Sample Point

— Culvert

— Delineated Stream

➔ Feature Continues

--- Elevation Contour (20' Interval)

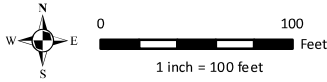
▨ Delineated Wetland

▭ Area of Investigation

▭ Parcel Boundary

▭ Soil Unit Boundary

▭ Grid Sheet



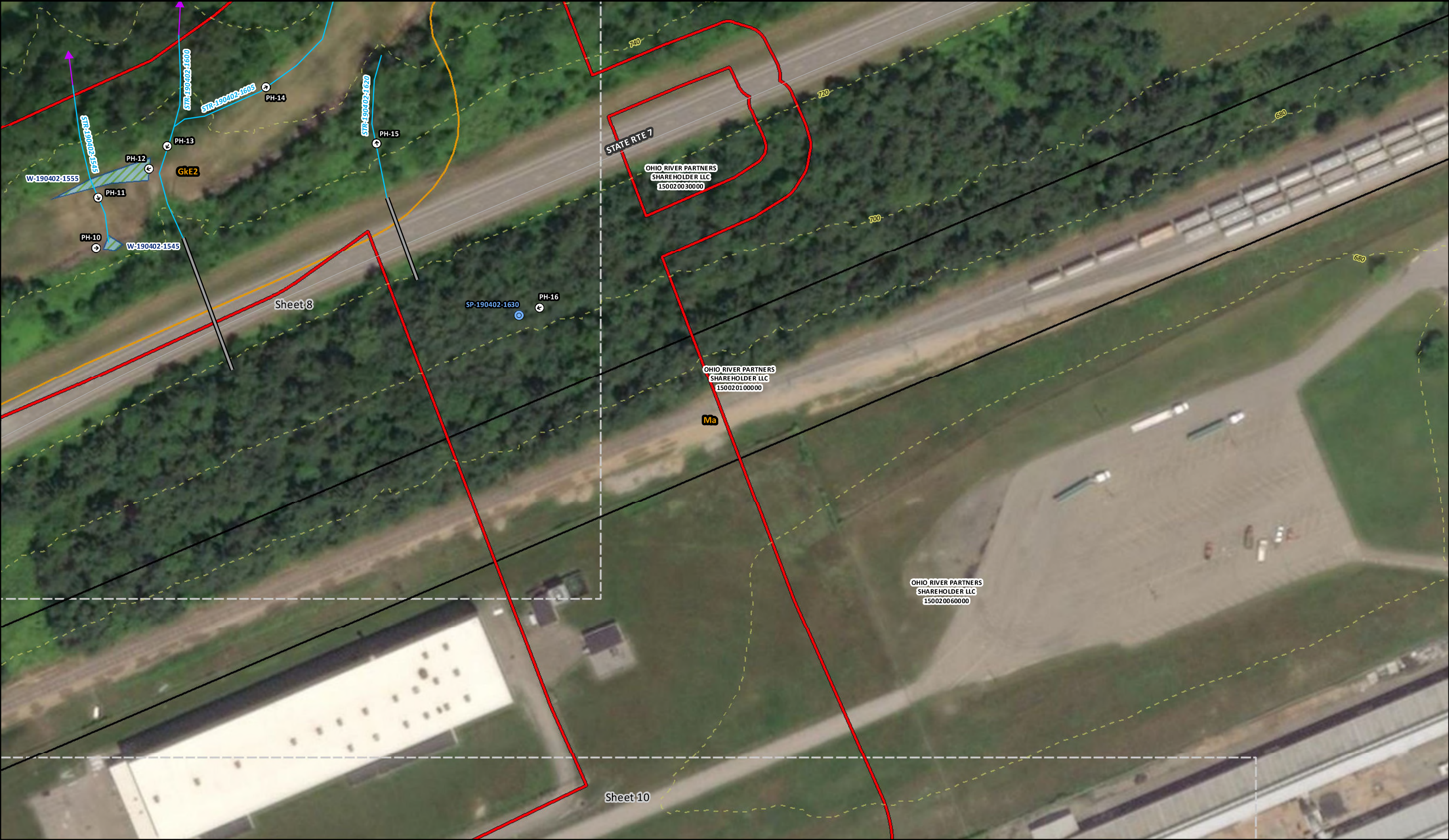
Imagery Source: Esri, DigitalGlobe, GeoEye,
Earthstar, Earthstar, CNES/Airbus DS, USDA,
USGS, AeroGRID, IGN, and the GIS User

equitrans **RETTEW**
Midstream

Sheet 8 of 10

9/12/2019



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<p>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</p>	<p>📍 Photo Location & Orientation 🔵 Sample Point = Culvert</p>	<p>— Delineated Stream ➡ Feature Continues --- Elevation Contour (20' Interval)</p>	<p>▨ Delineated Wetland ▭ Area of Investigation ▭ Parcel Boundary</p>	<p>▭ Soil Unit Boundary ▭ Grid Sheet</p>	<p> 0 100 Feet 1 inch = 100 feet <small>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</small></p>	<p> Sheet 9 of 10 9/12/2019 Drawn By: travis.charlton</p>
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<p>Equitrans Midstream, LLC EHP418_000 Figure 2 - Aerial Basemap Ohio Township, Monroe County, OH Project No. 102502114</p>	<p>☉ Photo Location & Orientation</p> <p>📍 Sample Point</p> <p>▬ Culvert</p>	<p>— Delineated Stream</p> <p>➡ Feature Continues</p> <p>- - - Elevation Contour (20' Interval)</p>	<p>▨ Delineated Wetland</p> <p>▭ Area of Investigation</p> <p>▭ Parcel Boundary</p>	<p>▭ Soil Unit Boundary</p> <p>▭ Grid Sheet</p>	<div><div><div>N</div><div>E</div><div>S</div><div>W</div></div><div><div>0</div><div>100</div></div><div>Feet</div><div>1 inch = 100 feet</div></div> <p><small>Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User</small></p>	<div><div></div><div>Sheet 10 of 10</div><div><div>9/12/2019</div><div>Drawn By: travis.charlton</div></div></div>
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ATTACHMENT B

WETLAND DETERMINATION DATA FORMS

HHEI FORMS

ORAM FORMS

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: GHF 410 City/County: Monroe Co. Sampling Date: 4/2/19
 Applicant/Owner: Eureka Millstream LLC State: OH Sampling Point: 90902-1230
 Investigator(s): E. McClung Section, Township, Range: Ohio Township
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): very steep benches Slope (%): 22%
 Subregion (LRR or MLRA): LRR-N Lat: 39.712947 Long: -80.859186 Datum: NAD83
 Soil Map Unit Name: GIG-Gilpin-upland complex NWI classification: N/A
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? No Are "Normal Circumstances" present? Yes ☒ No ☐
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? No (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Remarks: Sampling point documents deciduous forest habitat on a hillslope

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Microtopographic Relief (D4)
<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):
 Water Table Present? Yes ☐ No ☒ Depth (inches):
 Saturation Present? Yes ☐ No ☒ Depth (inches):
 (includes capillary fringe)

Wetland Hydrology Present? Yes ☐ No ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No indicators of wetland hydrology present.

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: 190402-1230

Tree Stratum (Plot size: 30' x 30')		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Liriodendron tulipifera</i>	30	✓	FACU
2.	<i>Quercus rubra</i>	24	✓	FACU
3.	<i>Aesculus flava</i>	12	✓	FACU
4.	<i>Ostrya virginiana</i>	10	✓	FACU
5.				
6.				
7.				
50% of total cover: 38		76 = Total Cover		
		20% of total cover: 15.2		
Sapling/Shrub Stratum (Plot size: 15' x 15')		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Lindera benzoin</i>	15	✓	FAC
2.	<i>Rosa multiflora</i>	8	✓	FACU
3.				
4.				
5.				
6.				
7.				
8.				
9.				
50% of total cover: 23		23 = Total Cover		
		20% of total cover: 4.6		
Herb Stratum (Plot size: 5' x 5')		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Viola sp.*</i>	8	✓	FAC
2.	<i>Galium mollugo</i>	7	✓	FACU
3.	<i>Allium cernuum</i>	5	✓	FACU
4.	<i>Geranium carolinianum</i>	5	✓	UPL
5.				
6.				
7.				
8.				
9.				
10.				
11.				
50% of total cover: 25		25 = Total Cover		
		20% of total cover: 5		
Woody Vine Stratum (Plot size: 15' x 15')		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
50% of total cover: N/A				
50% of total cover: _____		_____ = Total Cover		
		20% of total cover: _____		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)
Prevalence Index = B/A = _____	

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0¹

___ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ☒

Remarks: (Include photo numbers here or on a separate sheet.)

* Not identified to species; assigned FAC

Upland vegetation.

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in

Case No(s). 19-1742-GA-BLN

Summary: Letter of Notification Attachment I (Part 1 of 2) electronically filed by Mr. Michael J. Settineri on behalf of Long Ridge Energy Generation LLC