

(4) PROJECT DESCRIPTION (continued)**D. Describe source of fill material and disposal locations if known.**

All fill will come from within the project site boundaries with the exception of the three metal culverts. There is no expected need for disposal of fill material.

E. Construction timeline.

What is the estimated project start date?

First Quarter of 2024

What is the estimated project completion date?

Second Quarter of 2026

Is any of the work underway or already complete?
If yes, please describe.

☐ Yes ☒ No

No construction has begun.

F. Removal Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name *	Removal Dimensions					Time Removal is to remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft.)	Area (sq.ft. or ac.)	Volume (c.y.)		
N/A							

G. Total Removal Volumes and Dimensions

Total Removal to Wetlands and Other Waters	Length (ft.)	Area (sq. ft or ac.)	Volume (c.y.)
Total Removal to Wetlands	0	0	0
Total Removal Below Ordinary High Water	0	0	0
Total Removal Below Highest Measured Tide	N/A	N/A	N/A
Total Removal Below High Tide Line	N/A	N/A	N/A
Total Removal Below Mean High Water Tidal Elevation	N/A	N/A	N/A

H. Fill Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name*	Fill Dimensions					Time Fill is to remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft.)	Area (sq. ft. or ac.)	Volume (c.y.)		

See Attachment E

(4) PROJECT DESCRIPTION (CONTINUED)**I. Total Fill Volumes and Dimensions**

Total Fill to Wetlands and Other Waters	Length (ft.)	Area (sq. ft or ac.)	Volume (c.y.)
Total Fill to Wetlands	301 ft	0.072 ac	529.6 c.y.
Total Fill Below Ordinary High Water	162 ft	0.005 ac	32.8 c.y.
Total Fill Below Highest Measured Tide	N/A	N/A	N/A
Total Fill Below High Tide Line	N/A	N/A	N/A

Total Fill Below <u>Mean High Water Tidal Elevation</u>	N/A	N/A	N/A
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*If there is no official name for the wetland or waterbody, create a unique name (such as "Wetland 1" or "Tributary A").
 **Indicate whether the proposed area of removal or fill is permanent or, if you are proposing temporary impacts, specify the days, months or years the fill or removal is to remain.
 *** Example: soil, gravel, wood, concrete, pilings, rock etc.

(5) PROJECT PURPOSE AND NEED

Provide a statement of the purpose and need for the overall project.

Clean electricity will allow Oregon residents and businesses to power their buildings and homes, vehicles, and appliances with carbon free resources, such as wind and solar. Reductions in fossil fuel will improve health of communities, grow the economy, create family-sustaining jobs, and enable the state to achieve its long-term climate goals.

Clean energy provided by WREFE will assist the State and the buyers to support their Climate Change and Clean Energy Goals.

(6) DESCRIPTION OF RESOURCES IN PROJECT AREA

A. Describe the existing physical, chemical, and biological characteristics of each wetland or waterbody. Reference the wetland and waters delineation report if one is available. Include the list of items provided in the instructions.

Wetlands:
 Attachment C includes a table with Cowardin and Hydrogeomorphic (HGM) classification, and hydrology source for each wetland. The narrative below describes dominant plant species by layer within delineated wetlands.

A total of 33 wetlands were identified within the project area, including 11 palustrine emergent wetlands, 9 riverine wetlands, and 13 vernal pools. The dominant herbaceous vegetation species observed in the riverine and emergent wetlands include broadleaf cattail (*Typha latifolia*, OBL), Baltic rush (*Juncus balticus*, FACW), Bolander's rush (*Juncus bolanderi*, OBL), jointed rush (*Juncus articulatus*, OBL), celery-leaved buttercup (*Ranunculus sceleratus*, OBL), rabbitsfoot grass (*Polypogon monspeliensis*, FACW), American brooklime (*Veronica americana*, OBL), watercress (*Nasturtium officinale*, OBL), barnyard grass (*Echinochloa crus-galli*, FACW), water parsley (*Oenanthe sarmentosa*, OBL), and duckweed (*Lemna minor*, OBL). Woody vegetation documented in delineated wetlands was primarily peach-leaf willow (*Salix amygdaloides*, FACW) and cottonwood (*Populus balsamifera*, FAC). Please see the wetland report for more information on wetlands within the Project area.

Non-wetland waters:
 Attachment D includes a table with streamflow regime, and flow origination for each non-wetland water identified. The narrative below provides a summary of waters identified and a description of typical bed and bank conditions.

Using the Streamflow Duration Assessment Method to characterize the waterways in the Project study area, 238 ephemeral streams, 6 intermittent streams, and 2 perennial waterways were delineated. The perennial and intermittent waterways were also determined to be riverine wetlands due to the amount of vegetation in their beds and banks and are classified as wetlands in this permit application.

The non-wetland waters in the Project study area are all ephemeral drainages. Intermittent and perennial waterways were determined to be wetlands within the Project study area based on field investigations and National Wetland Inventory (NWI) mapping. The beds and banks are dominated by cheatgrass (*Bromus tectorum*, NI), bulbous bluegrass (*Poa bulbosa*, FACU), rubber rabbitbrush (*Ericameria nauseosa*, NI), Russian thistle (*Salsola tragus*, FACU), prickly lettuce (*Lactuca serriola*, FACU), spotted knapweed (*Centaurea stoebe*, NI), ripgut brome (*Bromus diandrus*, NI), tumble mustard (*Sisymbrium altissimum*, FACU), fiddleneck (*Amsinckia spp.*), wavyleaf thistle (*Cirsium undulatum*, FACU), arrowleaf buckwheat (*Eriogonum compositum*, NI), soft brome (*Bromus hordeaceus*, FACU), and mouse barley (*Hordeum murinum*, FACU). Please see the wetland report for more information on non-wetland waters within the Project area.

B. Describe the existing navigation, fishing and recreational use of the waterbody or wetland.

There is no known navigation, fishing, or recreational use of wetlands or waterbodies within the project area.

(7) PROJECT SPECIFIC CRITERIA AND ALTERNATIVES ANALYSIS

Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.*

See next page for expanded Alternatives Analysis

(8) ADDITIONAL INFORMATION

Are there state or federally listed species on the project site? yes, Washington ground squirrel and Laurence's milkvetch	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
Is the project site within designated or proposed critical habitat?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
Is the project site within a national Wild and Scenic River ?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
Is the project site within a State Scenic Waterway ?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
Is the project site within the 100-year floodplain ? WET-18 is Zone A	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes to any above, explain in Block 6 and describe measures to minimize adverse effects to those resources in Block 7.			
Is the project site within the Territorial Sea Plan (TSP) Area ?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, attach TSP review as a separate document for DSL.			
Is the project site within a designated Marine Reserve ?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, certain additional DSL restrictions will apply.			
Will the overall project involve ground disturbance of one acre or more?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, you may need a 1200-C permit from the Oregon Department of Environmental Quality (DEQ).			
Is the fill or dredged material a carrier of contaminants from on-site or off-site spills?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
Has the fill or dredged material been physically and/or chemically tested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, explain in Block 6 and provide references to any physical/chemical testing report(s).			
Has a cultural resource (archaeological and/or built environment) survey been performed on the project area?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
Do you have any additional archaeological or built environment documentation, or correspondence from tribes or the State Historic Preservation Office?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, provide a copy of the survey and/or documentation of correspondence with this application to the Corps only. Do not describe any resources in this document. Do not provide the survey or documentation to DSL.			

* Not required by the Corps for a complete application, but is necessary for individual permits before a permit decision can be rendered.

(7) Project Specific Criteria and Alternatives Analysis

Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.

The primary purpose of the 300-MW Wheatridge East Wind Facility is to provide clean energy to assist the State and the buyers to support their Climate Change and Clean Energy Goals. The proposed project will maximize the use of the permitted and existing infrastructure including the existing and operating Umatilla Electric Cooperative (UEC) transmission line and the Blue Ridge Substation. The Developer/Certificate Holder has been contracted to deliver the majority of the renewable energy generated by the Facility to customers by the end of 2024, and the Certificate Holder is in commercial discussions for the remainder of the approved 200-MW capacity to be delivered in 2026.

Over the previous 18 months, the Wheatridge East layout has undergone many design iterations based on topographical constraints, environmental resources, and field surveys. The site's topography consists of rolling hills with steep side slopes, and gradual ridgelines where the proposed wind turbines are situated. The access roads for turbine deliveries and maintenance vehicles follow the ridgelines to avoid impacts to aquatic resources; however, a challenge arises when accessing these ridgelines.

Some iterations of the design are listed below along with a brief description.

- Initially turbine deliveries were planned to come along Highway 207 to Big Butter Creek Road. From here, they would cross Big Butter Creek to deliver to turbine positions south of the creek. There are several old bridges used by the local farmers that were analyzed to determine if they could structurally support turbine components. Due to the condition of the existing bridges, an entirely new bridge deck, abutments and scour protection would be necessary. Construction of this new bridge would have significant impact to the creek, so alternatives were analyzed. (APN R01917, APN R01910)
- One alternative involved upgrading an existing dirt path that went deep into the project site before climbing up to the ridgeline. This path followed a drainage for several miles crossing at multiple locations. While this route had slopes that met turbine delivery criteria, it was determined that the aquatic impacts were too severe. (APN R06658)
- Another option was to take turbine components south on Big Butter Creek Road, to Little Butter Creek Road. Here they would cross the creek at an existing County-maintained bridge with a much higher structural integrity than the older bridges further down Big Butter Creek. Again, it was determined that the bridge would need upgrades that would impact the creek so another route was pursued. (Pine City bridge)
- Due to the steep slopes in this area, many different routes up to the ridgelines were analyzed. Some of the potential routes with acceptable slopes branched off Little Butter Creek Road, heading east into a portion of the project site. In these potential locations, a crossing of Little Butter Creek would be necessary eliminating many of these options. After many trial and error iterations, an acceptable route was found that avoided a new crossing of the creek. (Little Butter Creek Road, from Pine City to Healy Road)

- After completion of additional surveys, some mapped aquatic resources extended towards the ridgelines and were impacted or had improvements close to the recommended buffers. Many of the roads were shifted to eliminate the impact.
- The Intraconnection Line is already permitted, which initially took into account several different route options. The most recent project iteration evaluated two route options, which one option was ultimately chosen for consideration due to following the straightest and shortest route possible and thereby avoiding sensitive habitat and impacts to exclusive farm-use land. The route selected for consideration was also at the request of the landowner. In addition, the Intraconnection Line was located to minimize disturbances to agricultural practices by being sited adjacent to existing linear rights-of-way wherever possible.
- The site has a transmission line extending from a proposed substation on Little Butter Creek Road to the existing Blueridge Substation on Strawberry East Road. This overhead transmission line runs parallel to aquatic resources for many miles due to the steep terrain encountered elsewhere on site. Careful consideration was taken in designing the transmission line access roads, as well as the pole locations, to avoid impacts to aquatic resources even when this resulted in significant increases in the length of the road. There are a few unavoidable crossings where we utilize an existing culvert crossing to minimize impacts.

For additional information about this Facility, please see the Oregon Department of Energy website here: [State of Oregon: Facilities - Wheatridge Renewable Energy Facility East](#)

Is the project part of a DEQ Cleanup Site? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Permit number _____ DEQ contact. _____			
Will the project result in new impervious surfaces or the redevelopment of existing surfaces? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, the applicant must submit a post-construction stormwater management plan as part of this application to DEQ's 401 WQC program for review and approval, see https://www.oregon.gov/deq/FilterDocs/401wqcertPostCon.pdf			
Identify any other federal agency that is funding, authorizing or implementing the project.			
Agency Name None	Contact Name	Phone Number	Most Recent Date of Contact
List other certificates or approvals/denials required or received from other federal, state or local agencies for work described in this application.			
Agency	Certificate / approval / denial description	Date Applied	
Other DSL and/or Corps Actions Associated with this Site (Check all that apply.) Work proposed on or over lands owned by or leased from the Corps (may require authorization pursuant to 33 USC 408). These could include the federal navigation channel, structures, levees, real estate, dikes, dams, and other Corps projects.			
<input type="checkbox"/> State owned waterway		DSL Waterway Lease #:	
<input type="checkbox"/> Other Corps or DSL Permits		Corps #	DSL #
<input type="checkbox"/> Violation for Unauthorized Activity		Corps #	DSL #
<input checked="" type="checkbox"/> Wetland and Waters Delineation		Corps #	DSL # WD-2023-0223
Submit the entire delineation report to the Corps; submit only the concurrence letter (if complete) and approved maps to DSL. If not previously submitted to DSL, send under a separate cover letter			
(9) IMPACTS, RESTORATION/REHABILITATION, AND COMPENSATORY MITIGATION			
A. Describe unavoidable environmental impacts that are likely to result from the proposed project. Include permanent, temporary, direct, and indirect impacts.			
WET-18 will have two permanent culverts installed within the riverine wetland. This will remove the wetland habitat immediately within the culvert imprint. Water will be able to flow through the culvert so the hydrology in downstream reaches of the wetland should remain unaltered.			
Ephemeral stream ST-72 will also have a culvert; this will impact the habitat in the immediate area of the culvert. ST-72 is ephemeral so the habitat is limited to upland plants and animals.			
Ephemeral streams ST-113 and ST-196 will have fill that expands the existing road bed to accommodate large vehicles. The fill will not span the width of the drainages.			

B. For temporary removal or fill or disturbance of vegetation in waterbodies, wetlands or riparian (i.e., streamside) areas, discuss how the site will be restored after construction to include the timeline for restoration.

Restoration of vegetation in areas of temporary disturbance will be conducted according to the Project's Revegetation Plan, currently under review by the Oregon Department of Energy (ODOE) and the Oregon Department of Fish and Wildlife (ODFW). Revegetation will begin as soon as feasible after construction completes. Seeding and planting will be done in a timely manner and in the appropriate season. Restoration will include site preparation and seeding followed by monitoring. The Project Revegetation Plan identifies seeding methods and timing, as well as seed mixes.

Temporary impacts associated with the construction in the wetland and waters (see Attachment E) will be restored by ensuring original contours are maintained and that disturbed vegetation is replanted with site-appropriate native species.

Compensatory Mitigation

C. Proposed mitigation approach. Check all that apply:

Permittee responsible Permittee responsible Mitigation Bank or Payment In-Lieu
☐ Onsite Mitigation ☐ Offsite Mitigation ☐ In-Lieu Fee Program ☒ (Not approved for use with Corps permits)

D. Provide a brief description of proposed mitigation approach and the rationale for choosing that approach. If you believe mitigation should not be required, explain why.

The preferred method of mitigation is the Payment-In-Lieu option due to the lack of a local wetland mitigation sites as well as the small amount of impact to the existing wetland and water resources. Impacts to wildlife habitat from the Facility are proposed to be mitigated using a compensatory mitigation site in Gilliam County, Oregon. This site is outside the 4th field HUC watershed where impacts to wetlands are proposed and therefore is not suitable to use for wetland mitigation.

Areas within the immediate watershed that may be available for wetland mitigation (floodplain of WET-18) are in heavily grazed pasture dominated by reed canarygrass (*Phalaris arundinacea*). Any mitigation in that watershed is unlikely to succeed due to the presence of reed canarygrass which spreads through rhizomes. Additionally, this land will continue to be grazed by cattle after the Project is installed.

Mitigation Bank / In-Lieu Fee Information:

Name of mitigation bank or in-lieu fee project:

Type and amount of credits to be purchased: In-lieu payment of \$14,314.44

If you are proposing permittee-responsible mitigation, have you prepared a compensatory mitigation plan?

☐ Yes. Submit the plan with this application and complete the remainder of this section.

☐ No. A mitigation plan will need to be submitted (for DSL, this plan is required for a complete application).

Mitigation Location Information (Fill out only if permittee-responsible mitigation is proposed)

Mitigation Site Name/Legal Description		Mitigation Site Address		Tax Lot #	
County		City		Latitude & Longitude (in DD.DDDD format)	
Township	Range		Section		Quarter/Quarter

(10) ADJACENT PROPERTY OWNERS FOR PROJECT AND MITIGATION SITE

<input type="checkbox"/> Pre-printed mailing labels of adjacent property owners attached separately (if more than 30).	Project Site Adjacent Property Owners	Mitigation Site Adjacent Property Owners
Contact Name Address 1 Address 2 City, ST ZIP Code	See Attachment A for list of Project landowners and adjacent landowners.	
Contact Name Address 1 Address 2 City, ST ZIP Code		
Contact Name Address 1 Address 2 City, ST ZIP Code		

(11) CITY/COUNTY PLANNING DEPARTMENT LAND USE AFFIDAVIT (TO BE COMPLETED BY LOCAL PLANNING OFFICIAL)

I have reviewed the project described in this application and have determined that:

- ☐ This project is not regulated by the comprehensive plan and land use regulations
- ☐ This project is consistent with the comprehensive plan and land use regulations
- ☐ This project is consistent with the comprehensive plan and land use regulations with the following:
 - ☐ Conditional Use Approval
 - ☐ Development Permit
 - ☐ Other Permit (explain in comment section below)
- ☐ This project is not currently consistent with the comprehensive plan and land use regulations. To be consistent requires:
 - ☐ Plan Amendment
 - ☐ Zone Change
 - ☒ Other Approval or Review (explain in comment section below)

An application or variance request has ☐ has not ☐ been filed for the approvals required above.

Local planning official name (print) <i>Tamara T. Mabbett</i>	Title <i>Planning Director</i>	City / County <i>Morrow Co.</i>
Signature <i>T. Mabbett</i>	Date <i>7-05-23</i>	
Comments: <i>Project is currently under review by the Oregon Energy Facility Siting Council (EFSC). Local permits will be issued after EFSC issues a Site Certificate.</i>		

(12) COASTAL ZONE CERTIFICATION

If the proposed activity described in your permit application is within the [Oregon Coastal Zone](#), the following certification is required before your application can be processed. The signed statement will be forwarded to the Oregon Department of Land Conservation and Development (DLCD) for its concurrence or objection. For additional information on the Oregon Coastal Zone Management Program and consistency reviews of federally permitted projects, contact DLCD at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301 or call 503-373-0050 or click [here](#).

CERTIFICATION STATEMENT

I certify that, to the best of my knowledge and belief, the proposed activity described in this application complies with the approved Oregon Coastal Zone Management Program and will be completed in a manner consistent with the program.

Print /Type Applicant Name	Title
Applicant Signature	Date

(13) SIGNATURES

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and, to the best of my knowledge and belief, this information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities. By signing this application I consent to allow Corps or DSL staff to enter into the above-described property to inspect the project location and to determine compliance with an authorization, if granted. I hereby authorize the person identified in the authorized agent block below to act in my behalf as my agent in the processing of this application and to furnish supplemental information in support of this permit application. I understand that the granting of other permits by local, county, state or federal agencies does not release me from the requirement of obtaining the permits requested before commencing the project. I understand that payment of the required state processing [fee](#) does not guarantee permit issuance. To be considered complete, the fee must accompany the application to DSL. The fee is not required for submittal of an application to the Corps.

Fee Amount Enclosed

\$ 1,149.00

Applicant Signature (required) must match the name in Block 2

Print Name

David Lawlor

Title

Director, Development

Signature



Date

July 15, 2023

Authorized Agent Signature

Print Name

Title

Signature

Date

Landowner Signature(s)*

Landowner of the Project Site (if different from applicant)

Print Name

Title

Signature

Date

Landowner of the Mitigation Site (if different from applicant)

Print Name

Title

Signature

Date

Department of State Lands, Property Manager (to be completed by DSL)

If the project is located on [state-owned submerged and submersible lands](#), DSL staff will obtain a signature from the Land Management Division of DSL. A signature by DSL for activities proposed on state-owned submerged/submersible lands only grants the applicant consent to apply for a removal-fill permit. A signature for activities on state-owned submerged and submersible lands grants no other authority, express or implied and a separate proprietary authorization may be required.

Print Name

Title

Signature

Date

* Not required by the Corps.

(14) ATTACHMENTS

☒ Drawings

- ☒ Location map with roads identified
- ☐ U.S.G.S topographic map
- ☐ Tax lot map
- ☐ Site plan(s)
- ☒ Plan view and cross section drawing(s)
- ☐ Recent aerial photo
- ☐ Project photos
- ☐ Erosion and Pollution Control Plan(s), if applicable
- ☐ DSL / Corps Wetland Concurrence letter and map, if approved and applicable
- ☐ Pre-printed labels for adjacent property owners (Required if more than 30)
- ☐ Incumbency Certificate if applicant is a partnership or corporation
- ☐ Restoration plan or rehabilitation plan for temporary impacts
- ☐ Mitigation plan
- ☐ Wetland functional assessments, if applicable
 - ☐ Cover Page
 - ☐ Score Sheets
 - ☐ ORWAP OR, F, T, & S forms
 - ☐ ORWAP Reports
 - ☐ Assessment Maps
 - ☐ ORWAP Reports: Soils, Topo, Assessment area, Contributing area
- ☐ Stream Functional Assessments, if applicable
 - ☐ Cover Page
 - ☐ Score Sheets
 - ☐ SFAM PA, PAA, & EAA forms
 - ☐ SFAM Report
 - ☐ Assessment Maps
 - ☐ Aerial Photo Site Map and Topo Site Map (Both maps should document the PA, PAA, & EAA)
- ☐ Compensatory Mitigation (CM) Eligibility & Accounting [Worksheet](#)
 - ☐ Matching Quickguide sheet(s)
 - ☐ CM Eligibility & Accounting sheet
- ☐ Alternatives analysis
- ☐ Biological assessment (if requested by the Corps project manager during pre-application coordination)
- ☐ Stormwater management plan (may be required by the Corps or DEQ)
- ☐ Other
 - ☐ Please describe:

For U.S. Army Corps of Engineers send application to:

USACE Portland District
ATTN: CENWP-ODG-P
PO Box 2946
Portland, OR 97208-2946
Phone: 503-808-4373
portlandpermits@usace.army.mil

U.S. Army Corps of Engineers
ATTN: CENWP-ODG-E
211 E. 7th AVE, Suite 105
Eugene, OR 97401-2722
Phone: 541-465-6868
portlandpermits@usace.army.mil

Counties:

Baker, Benton, Clackamas, Clatsop, Columbia, Gilliam,
Grant, Hood River, Jefferson, Lincoln, Linn, Malheur,
Marion, Morrow, Multnomah, Polk, Sherman, Tillamook,
Umatilla, Union, Wallowa, Wasco, Washington, Wheeler,
Yamhill

Counties:

Coos, Crook, Curry, Deschutes, Douglas, Jackson,
Josephine, Harney, Klamath, Lake, Lane

For Department of State Lands send application to:

West of the Cascades:

Department of State Lands
775 Summer Street NE, Ste 100
Salem, OR 97301-1279
Phone: 503-986-5200
https://www.oregon.gov/dsl/WW/Documents/uploadinstructions_removalfill.pdf

East of the Cascades:

Department of State Lands
951 SW Simpson Ave, Ste 104
Bend, OR 97702
Phone: 541-388-6112
https://www.oregon.gov/dsl/WW/Documents/uploadinstructions_removalfill.pdf

For Department of Environmental Quality:

Submit all application materials electronically through [Your DEQ Online](#).

For questions related to *Your DEQ Online*, please visit the [Your DEQ Online help page](#), email YourDEQOnline@deq.state.or.us, or call 503-229-6184

INSTRUCTIONS FOR PREPARING THE JOINT APPLICATION

This is a joint application and must be sent to all agencies (Corps, DSL, and DEQ), who administer separate permit or certification processes. For questions regarding these instructions or the form, contact the Corps, DSL and/or DEQ or refer to the following online resources:

- [DSL's Removal-Fill Guide](#); or,
- The Corps Regulatory website: <http://www.nwp.usace.army.mil/Missions/Regulatory.aspx>
- DEQ's 401 Water Quality Certification website:
<https://www.oregon.gov/deq/wq/wqpermits/Pages/Section-401-Certification.aspx>

General Instructions and Tips

- Provide the information in the appropriate blocks of the application form. If you need more space, provide a summary in the space provided and attach additional detail as an appendix to the application. Each appendix or attachment must reference which application block number it pertains to.
- Not all items on the application form will apply to all projects.
- Electronic submittal of applications and supporting material is preferred by the Corps. Both electronic and hard copies must be in 8 ½ x 11-inch sized format and reproducible in black and white. Currently DSL does not accept electronic submittals. DSL will accept color figures and 11 X 17. Use either all double sided or all single sided paper. Do not use staples or dividers. NOTE: If the electronic submittal of application and associated documents is 10 megabytes or more, check with each agency for how best to submit the document to that agency.
- **FEES:** Fees for water quality certification apply. Nationwide projects approved by DEQ will incur a fee of \$985. Others will be evaluated on a case-by-case basis:
<https://www.oregon.gov/deq/wq/wqpermits/Pages/Section-401-Fees.aspx>.

For complex projects or for those that may have more than minimal impacts, additional information may be necessary to complete the evaluation and make a permit decision. Alternative forms of permit applications may be acceptable; contact the Corps and DSL for more information.

Section 1. Type of Permit(s) if Known

If known, indicate the type of permit/authorization applying for.

Section 2. Applicant and Landowner Contact Information

Applicant: The applicant is the responsible party. If the applicant is an agency, business entity or other organization, indicate the name of the organization and a person that has the authority to sign the application. If applicant is a partnership or corporation, the applicant name must match the Incumbency Certificate, and the business name as listed on OR Secretary of State business registry. Applicant must not be "doing business as" or has an "assumed business name." In such cases the applicant must be an individual.

Applicant Contact Name: If the applicant is a business, provide the contact name for an individual representing the business.

Authorized Agent: An authorized agent is someone who has permission from the applicant to represent their interests and supply information to the agencies. An agent can be a consultant, an attorney, builder, contractor, or any other person or organization. An authorized agent is optional.

Landowner: Provide landowner information if different from the applicant. DSL requires the landowner's signature, unless the project qualifies as a linear project, e.g. road, pipeline, utility.

Section 3. Project Information

A. Provide location information. Latitude and longitude must be reported in decimal format and can be found by zooming in to your respective project location and reading off the coordinates displayed on the bottom many maps, such as Google Earth.

B. Provide information on wetlands and waterbodies within the project area. Indicate the category of activities that make up your project. For projects with multiple locations, provide latitude and longitude for each location. For linear projects, provide the latitude and longitude for the start and end points.

Section 4. Project Description

A. Overall Description: Provide a description of the overall project, including:

- All associated work with the project both outside and within waters or wetlands.
- Total ground disturbance for all associated work (i.e., area and volume of ground disturbance).
- Total area of impervious surfaces created or modified by the project, if applicable.

B. Work within Waters and Wetlands: Provide a description of the proposed work within waters and wetlands, including:

- Each removal or fill activity proposed in waters or wetlands, as well as any construction or maintenance of in-water or over-water structures.
- The number and dimensions of in-water or over-water structures (i.e., pilings, floating docks) proposed within waters or wetlands.

C. Construction Methods: Describe how the removal and/or fill activities will be accomplished, including the following:

- Construction methods, equipment to be used, access and staging areas, etc.
- Measures you will use during construction to minimize impacts to the waterbody or wetland. Examples may include isolating work areas, controlling construction access, site specific erosion and sediment control methods, site specific best management practices, and using specialized equipment or materials. Attach work area isolation and/or erosion and pollution control plans, if applicable.

D. Fill Material and Disposal: Provide a description of fill material and procedure for disposal of removed material, including:

- The source(s) of fill materials (if known).
- Locations for disposal area(s) for dredged material, if applicable. If dredged material is to be discharged on an upland site, identify the site and the steps to be taken (if necessary) to prevent runoff from the dredged material back into jurisdictional waters. If using an upland disposal area that is not a Department of Environmental Quality (DEQ)-regulated landfill, a [Solid Waste Letter of Authorization](#) or a [Beneficial Use Determination](#) from DEQ may be required.

E. Construction Timing: Provide the proposed start and completion dates for the project. Describe project work that is already complete, if applicable.

F. – I. Summary of Removal and Fill Activities: Summarize the dimensions, volume and type/composition of material being placed or removed in each waterbody or wetland. Describe each impact on a separate row. For instance, if two culverts are being removed from Clear Creek, use two rows. Add extra rows if needed or include an attachment.

The DSL and the Corps use different elevations for determining whether an activity in tidal waters is regulated by the State's Removal-Fill law, the Clean Water Act, and/or the Rivers and Harbors Act. DSL regulates activities below the highest measured tide. The Clean Water Act applies below the high tide line. The Rivers and Harbors Act applies below the mean high water.

If jurisdictional limits are not the same for each agency, prepare a table for each agency stating impacts within that agency's jurisdiction.

Section 5. Project Purpose and Need

Explain the purpose and need for the project. Also include a brief description of any related activities needed to accomplish the project objectives.

The following items are required by DSL, as applicable:

- If the removal-fill would satisfy a public need and the applicant is a public body, include any pertinent findings regarding public need and benefit.
- If the project involves fill in the estuary for a non-water dependent use, explain how the project is for public use and/or satisfies a public need.
- If the project is located within a [marine reserve or marine protected area](#), explain how the project is needed to study, monitor, evaluate, enforce or protect the designated area.

Section 6. Description of Resources in Project Area

Territorial Sea: For activities in the [Territorial Sea](#) (mean lower low water seaward 3 nautical miles), provide a separate evaluation of the resources and effects determination.

For each wetland, include:

- Whether the wetland is freshwater or tidal, and the [Cowardin class](#) and [Hydrogeomorphic \(HGM\) class](#).
- Source of hydrology and direction of flow (if any).
- Dominant plant species by layer (herb, shrub, tree).
- Assessment of the hydrologic, water quality, fish habitat, aquatic habitat, and ecosystem support functions and values of the wetland(s) to be permanently impacted. The assessment should be attached as a separate Excel document.
 - DSL requires the use of [ORWAP](#) for wetland impacts over 0.2 acre and any wetland that is an Aquatic Resource of Special Concern (ARSC), unless the impacts are to Agate Desert Vernal Pools (VPs). See Appendix B of the [Removal Fill Guide](#) for a list of ARSCs. The Vernal Pool Assessment Method is required for all VPs. For impacts to wetlands less than 0.2 acre that are not ARSCs or VPs Best Professional Judgment (BPJ) may be used.
- Identify any Aquatic Resources of Special Concern (ARSC) in or near the project area. ARSCs include alkali wetlands, bogs, cold water habitat, fens, hot springs, interdunal wetlands, kelp beds, mature forested wetlands, native eelgrass beds, off-channel habitats (alcoves and side channels), ultramafic soil wetlands, vernal pools (including Willamette Valley, Medford area, Modoc basalt, and Columbia Plateau vernal pools), wet prairies, or wooded tidal wetlands. See Appendix B of the [Removal Fill Guide](#) for a list of ARSCs.
- Include relevant summary information from the wetland delineation report if available. Provide a copy of the wetland delineation report to **the Corps**, if not previously provided to the Corps. If a delineation report has not been previously submitted to DSL, then submit to DSL under a separate cover.
- Describe existing uses, including fish and wildlife use (type, abundance, period of use, and significance of site).
- Next major downstream waterbody name.

For rivers, streams, other waterbodies, lakes and ponds, include a description of, as applicable:

- Streamflow regime (e.g., perennial year-round flow, intermittent seasonal flow, ephemeral event-driven flow). If flow is ephemeral, provide [streamflow assessment](#) data sheet or other information that supports your determination.
- Field indicators used to identify the Ordinary High Water Mark (OHWM).
- Channel and bank conditions.

- Type and condition of riparian (streamside) vegetation.
- Channel morphology (structure and shape).
- Stream substrate.
- Assessment of the hydrologic, geomorphic, biologic and water quality functions and values of waters to be permanently impacted.
 - DSL requires use of the Stream Function Assessment Methodology (SFAM) for wadable non-tidal streams. SFAM should be attached as a separate Excel document. For impacts to non-wadable or tidal streams, BPJ can be used. Sections 2.2 through 2.3 of the SFAM User Manual give guidance for the functions and values to be addressed for all streams, even if SFAM does not apply.
- Identify any Aquatic Resources of Special Concern (ARSC) in or near the project area. ARSCs include alkali wetlands, bogs, cold water habitat, fens, hot springs, interdunal wetlands, kelp beds, mature forested wetlands, native eelgrass beds, off-channel habitats (alcoves and side channels), ultramafic soil wetlands, vernal pools (including Willamette Valley, Medford area, Modoc basalt, and Columbia Plateau vernal pools), wet prairies, or wooded tidal wetlands.
- Fish and wildlife use (type, abundance, period of use, and significance of site).
- Water quality impairments, including waterways adjacent to impacted wetlands and waterway to be impacted and next major downstream waterbody

Section 7. Project Specific Criteria and Alternatives Analysis

Provide an explanation describing how impacts to waters and wetlands are being avoided and minimized on the project site. For DSL, the alternatives analysis must include:

- Project-specific criteria that are needed to accomplish the stated project purpose.
- A range of alternative sites and designs that were considered with less impact.
- An evaluation of each alternative site and design against the project criteria and a reason for why the alternative was not chosen.
- If the project involves fill in an estuary for a non-water dependent use, a description of alternative non-estuarine sites must be included.

The level of rigor required in this analysis should be commensurate with the level of impact proposed. Please note that additional information regarding alternatives may be necessary for Corps Individual Permits to comply with the Clean Water Act Section 404(b)(1) Guidelines. Please check with your local Corps contact early in the planning process to determine what level of analysis is required. An alternative analysis is not required for a complete application by the Corps; however, it may be required before a permit decision can be rendered.

Section 8. Additional Information

Any additional information you provide helps the reviewer(s) understand your project and the other approvals or reviews that may be required.

Section 9. Impacts, Restoration/Rehabilitation, and Compensatory Mitigation

A. Description of Impacts: Clearly identify the permanent, temporary, direct and indirect impacts. Provide a written analysis of potential changes the project may make to the hydrologic characteristics of the affected wetlands or waterbodies, and an explanation of measures taken to avoid or minimize any adverse effects of those changes, such as: impeding, restricting or increasing flows; relocating or redirecting flow; and potential flooding or erosion downstream of the project. Provide a table summarizing permanent and temporary impacts by HGM and Cowardin Classifications.

B. Site Restoration/Rehabilitation: For temporary disturbance of soils and/or vegetation in waterbodies, wetlands or riparian (streamside) areas, discuss how you will restore the site after construction. This may include the following:

- Grading plans to restore pre-existing elevations.
- Planting plans and species list (native species only) to replace vegetation in riparian or wetland areas.
- Maintenance and monitoring plans to document restoration to wetland condition and/or vegetation establishment.
- Associated erosion control for site stabilization.

C.-D. Compensatory Mitigation. Describe your proposed compensatory mitigation approach or explain why you believe compensatory mitigation is not required. If proposing permittee-responsible mitigation for permanent impacts to jurisdictional waters, see OAR 141-085-0705 and 33 CFR 332.4(c) for plan requirements. The [Oregon Explorer Aquatic Mitigation](#) topic page and map viewers may be a helpful resource.

For activities involving discharges of dredged or fill material into waters of the United States, the Corps requires the application to include a statement describing how impacts to waters of the United States are to be avoided and minimized. The application must also include either a statement describing how impacts to waters of the United States are to be compensated for or a statement explaining why compensatory mitigation should not be required for the proposed impacts.

Section 10. Adjacent Property Owners for Project and Mitigation Site(s)

Names and addresses for properties that are adjacent to the project site and permittee responsible mitigation site (if applicable), are required. "Adjacent" means those properties that share or touch upon a common property line or are across the street or stream. If more than 30, attach pre-printed labels. A list of property owners may be obtained by contacting the county tax assessor's office.

Section 11. City/County Planning Department Land Use Affidavit

This section is required to demonstrate land use compatibility for removal fill permits and water quality certifications. Provide this form to your local planning official for them to complete and sign.

Section 12. Coastal Zone Certification

Your signature for this statement is **required** for projects within the coastal zone (generally, west of the summit of the Coast Range).

Section 13. Signatures

The application **must** be signed by the responsible party as identified in section 1. DSL also requires the landowner's signature. Linear Facilities (e.g. road, pipeline, utility) do not require landowner signature for the impact sites; signatures are required for mitigation sites.

Section 14: Attachments

Project Drawings. A complete application must include a location map, site plan, and plan view and cross-section drawings. DSL also requires a recent aerial photo. All drawings should be clear, legible, and to scale. For the Corps, drawings must be on 8.5 x 11-inch paper and must be in black and white or clearly reproducible in black and white. DSL will accept color and 11 x 17, but all figures must be clear when reproduced in black and white. While illustrations need not be professionally prepared, they should be clear, accurate, and contain all necessary information, as follows:

Location maps (with project boundaries, including staging and construction access, scale bar and north arrow on all):

- Location map with roads identified
- U.S.G.S. Topographic map
- Tax lot map

Site plan(s), including:

- Entire project site and activity areas, which includes staging and construction access areas
- Existing and proposed contours
- Stormwater outfalls and other related features
- Location of Ordinary High Water Mark, wetland boundaries, and other jurisdictional boundaries. Clearly identify temporary, permanent, direct and indirect impact areas within waterbodies and wetlands
- Scale bar, legend, and north arrow
- Location of staging areas and construction access
- Location of cross section(s), as applicable
- Location of mitigation area, if applicable

Cross section drawing(s), including:

- Existing and proposed elevations
- Clearly identify temporary, permanent, direct and indirect impact areas within waterbodies and wetlands
- Ordinary High Water Mark, wetland boundaries, and other jurisdictional boundaries
- Scale bar (horizontal and vertical scale)

Recent Aerial Photo

- 1:200 resolution, or, if not available for your site, highest resolution possible

DSL Wetland Concurrence (map and letter only for DSL; the Corps requires the full wetland/waters delineation report if not already submitted)

Mitigation documents including:

- Functional assessment results for each impacted resource and mitigation area
 - Results should include: Cover sheet, Score Sheet, assessment area maps
- Eligibility and Accounting [Worksheet](#)
 - Matching “Quickguide” sheet(s)
 - Compensatory Mitigation (CM) Eligibility & Accounting sheet

Do NOT submit the following items to DSL (unless specifically requested by DSL for your project):

- Wetland delineation report
- Biological assessment
- Cultural/archeological reports
- Stormwater calculations
- Geotechnical reports
- Marketing reports
- Contract agreements
- Applications for other agencies such as local land use applications
- Contractor/construction specifications
- Other extraneous drawings and information

Attachment A. Property Owner List

COUNTY	TAXLOT	OWNER	OWNER2	ADDRESS	CITY	STATE	ZIP	ZIP PLUS	
Morrow County	01N25E000000100	KILKENNY LAND COMPANY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201	2271	
Morrow County	01N25E0000001401	HUGHES, RANDY WILLIAM		67554 JUNIPER CANYON RD	LEXINGTON	OR	97839	4230	
Morrow County	01N25E0000001500	KILKENNY LAND COMPANY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201	2271	
Morrow County	01N25E0000001600	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N25E0000001700	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N25E0000001800	HUGHES, RANDY		67554 JUNIPER CANYON RD	LEXINGTON	OR	97839	4230	
Morrow County	01N25E0000001900	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N25E0000002900	SANDHOLLOW LAND, LLC		PO BOX 307	LEXINGTON	OR	97839	307	
Morrow County	01N25E0000003000	MARTIN, GABRIEL E		1912 RHODODENDRON WAY	BELLINGHAM	WA	98229	4559	
Morrow County	01N25E0000003100	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N25E0000003200	MUNKERS, SHEILA H ETAL		PO BOX 34	COTTONWOOD	ID	83522	34	
Morrow County	01N25E0000003202	MARTIN, THOMAS, 28% &	MARTIN, THOMAS & SHIRLEY, 72%	68700 HWY 207	LEXINGTON	OR	97839	4214	
Morrow County	01N26E0000001100	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000001102	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000001200	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000002700	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000002801	HEIDEMAN, AARON D		33999 RIVER VIEW DR	HERMISTON	OR	97838	7303	
Morrow County	01N26E0000002806	HEIDEMAN, AARON D		33999 RIVER VIEW DR	HERMISTON	OR	97838	7303	
Morrow County	01N26E0000002900	LONEROCK LAND AND TIMBER, LLC		26675 ICE HARBOR DR	BURBANK	WA	99323	9704	
Morrow County	01N26E0000003100	LONEROCK LAND AND TIMBER, LLC		26675 ICE HARBOR DR	BURBANK	WA	99323	9704	
Morrow County	01N26E0000003200	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000003201	RAUCH, CHRISTIAN & RAUCH, KATHERINE A		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000003202	WHEATRIDGE WIND LAND HOLDINGS, LLC	MAP RENEWABLE ENERGY	EOLIAN LP	988 HOWARD AVE STE 200	BURLINGAME	CA	94010	8019
Morrow County	01N26E0000003300	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000003301	HILL, STEPHEN TRUSTEE ET AL		73114 STRAWBERRY LN	LEXINGTON	OR	97839	4227	
Morrow County	01N26E0000003400	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000003500	RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201	2271	
Morrow County	01N26E0000003501	RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201	2271	
Morrow County	01N26E0000003502	RJK FAMILY, LLC	HALE, KELLY	1124 SW MYRTLE DR	PORTLAND	OR	97201	2271	
Morrow County	01N26E0000003600	NORTH LEX POWER AND LAND, LLC		72967 STRAWBERRY LN	LEXINGTON	OR	97839	4242	
Morrow County	01N26E0000003700	STATE OF OREGON		417 TRANSPORTATION BLDG	SALEM	OR	97310		
Morrow County	01N26E0000004100	MARTIN, BRENT J & MARTIN, JILL E		71620 BASELINE LN	LEXINGTON	OR	97839	4232	
Morrow County	01N26E0000004102	4-M RANCH, INC		68700 HWY 207-ECHO	LEXINGTON	OR	97839	4214	
Morrow County	01N26E0000004200	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286	
Morrow County	01N26E0000004201	LINDSAY, TODD R & MELISSA J		75655 BASELINE RD	HEPPNER	OR	97836	7286	
Morrow County	01N26E0000004300	HAGUEWOOD, KEVEN & BUTLER, MICHELLE		64396 MACNAB LN	IONE	OR	97843	7400	
Morrow County	01N26E0000004400	OREM, ERIC M & OREM, BRANDI L		72028 BLACKHORSE CYN LN	HEPPNER	OR	97836	7345	
Morrow County	01N26E0000004500	DUNCAN, SUEZANNE & DUNCAN, ROBERT		1547 ALPENSEE STRASSE	LEAVENWORTH	WA	98826	9308	
Morrow County	01N26E0000004503	SEITZ, ANTHONY WAYNE & LORI M		73897 BASELINE RD	HEPPNER	OR	97836	7261	
Morrow County	01N26E0000004600	MARTIN, BRENT J & MARTIN, JILL E		71620 BASELINE LN	LEXINGTON	OR	97839	4232	
Morrow County	01N26E0000004700	MILLER, COREY M & MILLER, M JILL		74655 BASELINE LN	HEPPNER	OR	97836	7230	
Morrow County	01N26E0000004800	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272	
Morrow County	01N26E0000004900	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286	
Morrow County	01N27E0000000103	VANBUREN FAMILY PROPERTY TRUST		32922 KAHLOTUS HWY	PASCO	WA	99301	9741	
Morrow County	01N27E0000000104	VANBUREN FAMILY PROPERTY TRUST		32922 KAHLOTUS HWY	PASCO	WA	99301	9741	
Morrow County	01N27E0000000108	ASHBECK, MITCHELL C & TERRY L ANN		69359 LITTLE BUTTER CREEK RD	ECHO	OR	97826	9037	

Morrow County	01N27E000000700	MYERS, NANCY		68477 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7231
Morrow County	01N27E000000701	MYERS, NANCY J		72446 HIGHWAY 207	ECHO	OR	97826	9020
Morrow County	01N27E000001000	HAYS, MITCHELL I TRUSTEE ETAL		77964 BIG BUTTER CREEK LN	ECHO	OR	97826	9040
Morrow County	01N27E000001100	SANDHOLLOW RANCH LLC		PO BOX 1587	HERMISTON	OR	97838	3587
Morrow County	01N27E000001200	SANDHOLLOW RANCH LLC		PO BOX 1587	HERMISTON	OR	97838	3587
Morrow County	01N27E000001300	KNOWLES, BRIAN & KNOWLES, MARY		67207 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7267
Morrow County	01N27E000001400	ARCUS, LLC		ONE 100TH AVE NE STE. 102	BELLEVUE	WA	98004	5608
Morrow County	01N27E000001401	BUTTER CREEK COELHO LLC		78550 BIG BUTTER CREEK RD	ECHO	OR	97826	9040
Morrow County	01N27E000001403	ARCUS, LLC		ONE 100TH AVE NE STE. 102	BELLEVUE	WA	98004	5608
Morrow County	01N27E000001600	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N27E000001700	BOTHUM, CHARLY ALECIA & BOTHUM, RYAN T		66743 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7268
Morrow County	01N27E000001701	LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01N27E000001900	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01N27E000001901	KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01N27E000001902	KNOWLES, BRIAN D & KNOWLES, MARY HEALY		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01N27E000002100	DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703	7183
Morrow County	01N27E000002300	MYERS, NANCY		68477 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7231
Morrow County	01N27E000002400	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01N28E000000100	ECHO HILLS RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447	4965
Morrow County	01N28E000000101	ECHO HILLS RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447	4965
Morrow County	01N28E000000102	ECHO HILLS RANCH, GP		PO BOX 4965	PASO ROBLES	CA	93446	4965
Morrow County	01N28E000000200	PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447	4965
Morrow County	01N28E000000201	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000300	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000301	SCHILLER, MARILYN, TRUSTEE		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000302	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000303	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000304	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000305	PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447	4965
Morrow County	01N28E000000400	LUCIANI, JOHN H		27633 BUTTERCREEK RD	ECHO	OR	97826	9047
Morrow County	01N28E000000600	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000700	BIRCH CREEK LAND LLC	CURRIN, LISANNE K	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7234
Morrow County	01N28E000000701	VEY, RITA heirs	CURRIN, STEPHEN J & LISANNE K	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7234
Morrow County	01N28E000000800	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000000801	PINE CANYON RANCH, GP	CAVALLETTO, DONALD O	PO BOX 4965	PASO ROBLES	CA	93447	4965
Morrow County	01N28E000000900	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01N28E000001000	LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S26E000000100	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01S26E000000200	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01S26E000000300	HAGUEWOOD, KEVEN & BUTLER, MICHELLE		64396 MACNAB LN	IONE	OR	97843	7400
Morrow County	01S26E000000400	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000000500	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000000600	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000000700	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000000800	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000001100	OREM, ERIC & OREM, BRANDI ETAL		72028 BLACKHORSE CANYON LN	HEPPNER	OR	97836	7345
Morrow County	01S26E000001300	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272

Morrow County	01S26E000001400	CUTSFORTH, STANLEY ETAL		67509 CUTSFORTH RD	LEXINGTON	OR	97839	4231
Morrow County	01S26E000001500	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000001600	WAGENBLAST, VICKI M		65936 DOLVEN RD	LEXINGTON	OR	97839	4213
Morrow County	01S26E000001602	WAGENBLAST, VICKI M		65936 DOLVEN RD	LEXINGTON	OR	97839	4213
Morrow County	01S26E000001702	MILLER, MARK T & MILLER, SHANNON E		67775 CUTSFORTH RD	HEPPNER	OR	97836	7272
Morrow County	01S26E000001800	WAGENBLAST, VICKI M		65936 DOLVEN RD	LEXINGTON	OR	97839	4213
Morrow County	01S26E000001801	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S26E000001802	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7268
Morrow County	01S26E000002000	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S26E000002100	PADBERG, ELDEN LEE		18407 NE 21ST ST	REDMOND	WA	98052	6042
Morrow County	01S26E000002200	PADBERG, BRYAN E		10607 CRESCENT VALLEY DR NW	GIG HARBOR	WA	98332	9335
Morrow County	01S26E000002901	CUTSFORTH, STANLEY ETAL		67509 CUTSFORTH RD	LEXINGTON	OR	97839	4231
Morrow County	01S26E000003000	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S26E000003100	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S26E000003200	ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303	3468
Morrow County	01S26E000003201	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S26E000003300	DRAKE, DOUGLAS A & CARLEY E		64598 SANDHOLLOW RD	HEPPNER	OR	97836	7225
Morrow County	01S26E000003400	CUTSFORTH, JAMES W & DIANA M		425 VENTUS ST	RICHLAND	WA	99352	5541
Morrow County	01S26E000003500	BELL RANCH PARTNERSHIP		74655 BASELINE LN	HEPPNER	OR	97836	7230
Morrow County	01S26E000003900	BELL RANCH PARTNERSHIP		74655 BASELINE LN	HEPPNER	OR	97836	7230
Morrow County	01S26E000004000	HAGUEWOOD, KEVEN O		64396 MCNAB LN	IONE	OR	97843	7400
Morrow County	01S26E000004100	CUTSFORTH, JAMES W & DIANA M		425 VENTUS ST	RICHLAND	WA	99352	5541
Morrow County	01S27E000000100	DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703	7183
Morrow County	01S27E000000200	FLYNN, JOHN F		55549 HWY 207 SPRAY	HEPPNER	OR	97836	6212
Morrow County	01S27E000000300	DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703	7183
Morrow County	01S27E000000400	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01S27E000000401	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01S27E000000500	DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000502	FRITZ CUTSFORTH LAND CO		75655 BASELINE LN	HEPPNER	OR	97836	7286
Morrow County	01S27E000000503	DOUGHERTY, PATRICIA, TR ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000505	DOUGHERTY, PATRICIA, TRUSTEE, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000507	DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000509	DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000510	DOUGHERTY, CINDY, 1/4 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000512	DOUGHERTY, PATRICIA, 50% ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000514	DOUGHERTY, PATRICIA, 50% ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000515	DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000516	DOUGHERTY, PATRICIA, TR, 1/2 ETAL		66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000000600	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S27E000000700	EVANS, MONTE & EVANS, REBECCA		63468 SANDHOLLOW RD	HEPPNER	OR	97836	7224
Morrow County	01S27E000000800	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S27E000000900	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S27E000001000	FLYNN, JOHN F		55549 HWY 207 SPRAY	HEPPNER	OR	97836	6212
Morrow County	01S27E000001100	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S27E000001200	ROBINSON PROPERTY MANAGEMENT LLC		64583 SPUR LOOP RD	HEPPNER	OR	97836	7220
Morrow County	01S27E000001300	DOUGHERTY, PATRICIA, TR, 1/2 ETAL	DOUGHERTY, PATRICIA	66317 SPUR LOOP RD	HEPPNER	OR	97836	7222
Morrow County	01S27E000001400	ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303	3468

Morrow County	01S27E000001401	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	01S27E000001402	DRAKE, DOUGLAS A & CARLEY ETAL		64598 SANDHOLLOW RD	HEPPNER	OR	97836	7225
Morrow County	01S27E000001500	DRAKE, DOUGLAS A & CARLEY E		64598 SANDHOLLOW RD	HEPPNER	OR	97836	7225
Morrow County	01S27E000001501	ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303	3468
Morrow County	01S27E000001600	KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801	976
Morrow County	01S28E000000100	BIRCH CREEK LAND, LLC	CURRIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S28E000000200	SCHILLER, MARILYN		69958 SCHILLER SHL	ECHO	OR	97826	9044
Morrow County	01S28E000000201	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S28E000000300	SCHILLER, MARILYN		69958 SCHILLER SHL	ECHO	OR	97826	9044
Morrow County	01S28E000000301	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S28E000000400	BUTTER CREEK CATTLE COMPANY	CURRIN, STEPHEN J	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S28E000000500	LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S28E000000600	FLYNN, JOHN F		55549 HWY 207 SPRAY	HEPPNER	OR	97836	6212
Morrow County	01S28E000000700	DALY RANCH, LLC	TIM DALY	3413 NW FAIRWAY HEIGHTS DR	BEND	OR	97703	7183
Morrow County	01S28E000001000	JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836	724
Morrow County	01S28E000001001	KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S28E000001002	KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S28E000001100	FLYNN, JOHN F		55549 HWY 207 SPRAY	HEPPNER	OR	97836	6212
Morrow County	01S28E000001200	JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836	724
Morrow County	01S28E000001300	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S28E000001400	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S28E000001401	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S28E000001500	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S28E000001600	LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S28E000001601	HEPPNER CEMETERY (MAIN DIST)		PO BOX 1047	HEPPNER	OR	97836	1047
Morrow County	01S28E000001700	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S28E000001800	JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836	724
Morrow County	01S28E000001900	JMH RANCH, LLC		PO BOX 724	HEPPNER	OR	97836	724
Morrow County	01S28E000002000	KNOWLES, MARY LYNN & KNOWLES, BRIAN D		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S28E000002100	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	01S28E000002200	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S28E000002300	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S29E000000100	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000101	KARL & LANA JEAN JENSEN LIVING TRUST	JENSEN, KARL E & LANA JEAN TRUSTEES	PO BOX 580	PILOT ROCK	OR	97868	580
Morrow County	01S29E000000103	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000201	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000300	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S29E000000301	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000302	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000303	OWEN, DANIEL ALBERT		11445 SE 185TH PL	RENTON	WA	98055	7192
Morrow County	01S29E000000305	GURDANE LLC		PO BOX 588	OTHELLO	WA	99344	588
Morrow County	01S29E000000400	BIRCH CREEK LAND, LLC	CURRIN, LISANNE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	01S29E000000500	TOMORROW LAND DEVELOPMENT	TRIPP, JULIE LOU	3807 NE 23RD AVE	PORTLAND	OR	97212	1468
Morrow County	01S29E000000600	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S29E000000800	HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801	550
Morrow County	01S29E000000900	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S29E000001000	HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801	550

Morrow County	01S29E000001100	GURDANE LLC		PO BOX 588	OTHELLO	WA	99344	588
Morrow County	01S29E000001300	SCHILLER, MARILYN		69958 SCHILLER DR	ECHO	OR	97826	9044
Morrow County	01S29E000001301	GURDANE LLC		PO BOX 588	OTHELLO	WA	99344	588
Morrow County	01S29E000001900	BIRCH CREEK LAND, LLC & LAZY K LAND, LLC		60694 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7279
Morrow County	01S29E000002000	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S29E000002100	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S29E000002200	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	01S29E000002300	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S26E000000100	ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836	7218
Morrow County	02S26E000000200	ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836	7218
Morrow County	02S26E000000400	ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836	7218
Morrow County	02S27E000000100	LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7234
Morrow County	02S27E000000200	PRICE, THOMAS D		PO BOX 487	PENDLETON	OR	97801	487
Morrow County	02S27E000000300	KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801	976
Morrow County	02S27E000000600	ROBINSON PROPERTY MANAGEMENT LLC		64583 SPUR LOOP RD	HEPPNER	OR	97836	7220
Morrow County	02S27E000000700	KENNY, CHRISTINE M, TRUSTEE ETAL		PO BOX 1947	PENDLETON	OR	97801	976
Morrow County	02S27E000000701	KENNY, MATTHEW P & CARMEL E		PO BOX 447	HEPPNER	OR	97836	447
Morrow County	02S27E000000800	ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303	3468
Morrow County	02S27E000000900	ROLLING RANCH LLC		8385 WHEATLAND RD N	SALEM	OR	97303	3468
Morrow County	02S27E000001000	ANDERSON, COLIN & ANDERSON, ERIN		75257 BLACKHORSE CANYON LN	HEPPNER	OR	97836	7218
Morrow County	02S27E000001200	EVANS, MONTE & EVANS, REBECCA		63468 SANDHOLLOW RD	HEPPNER	OR	97836	7224
Morrow County	02S27E000001300	TURNER RANCH, INC		75655 BASELINE RD	HEPPNER	OR	97836	7286
Morrow County	02S28E000000100	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S28E000000200	HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801	550
Morrow County	02S28E000000300	HOMER W PETERSON FAMILY TRUST ET AL		PO BOX 550	PENDLETON	OR	97801	550
Morrow County	02S28E000000400	LAZY K LAND, LLC	CURRIN, STEVE	60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	02S28E000000401	CURRIN, STEPHEN J & CURRIN, LISANNE K		60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	02S28E000000402	CURRIN, STEVE & CURRIN, LISANNE		60732 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7234
Morrow County	02S28E000000500	LAZY K LAND, LLC, 2/3 ETAL	CURRIN, STEVE & LISANNE	60732 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7234
Morrow County	02S28E000000600	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	02S28E000000700	KNOWLES, MARY & KNOWLES, BRIAN		67207 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7267
Morrow County	02S28E000000800	G HUGHES PROPERTY, LLC		1614 DURUM DR	WALLA WALLA	WA	99362	1626
Morrow County	02S28E000000900	FREEZEOUT RANCH, LLC		81476 HWY 74 LENA	HEPPNER	OR	97836	7241
Morrow County	02S28E000001000	STATE OF OREGON		417 TRANSPORTATION BLDG	SALEM	OR	97310	
Morrow County	02S28E000001100	HAGGARD RANCH, LLC		60077 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7236
Morrow County	02S28E000001200	BROSNAN RANCH, INC		950 QUAIL RIDGE LN	BAKER CITY	OR	97814	3710
Morrow County	02S29E000000500	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S29E000000600	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S29E000000700	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTER CREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S29E000000800	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S29E000000900	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235
Morrow County	02S29E000001500	BROSNAN RANCH, INC		950 QUAIL RIDGE LN	BAKER CITY	OR	97814	3710
Morrow County	02S29E000001600	HUGHES RANCHES & RESOURCE MNGMT, LLC		60458 LITTLE BUTTERCREEK RD	HEPPNER	OR	97836	7235

Attachment B. Wetland Submittal Confirmation and Delineation Maps

From: [HOWARD Heather * DSL](#)
To: [Taylor, Jess1](#)
Subject: RE: Wheatridge Energy Facility East Delineation Report Submittal
Date: Friday, May 19, 2023 6:15:55 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

You don't often get email from heather.howard@dsl.oregon.gov. [Learn why this is important](#)

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Thanks for alerting us! We should get this report entered into the database in the next day or two and you should get an "assignment" email from one of us.

Have a great Friday/weekend!

Heather Howard
Support Services Specialist
Oregon Department of State Lands
775 Summer St. NE, Ste. 100
Salem, OR 97301

(503) 986-5235

www.oregon.gov/dsl

**Online Payment Portal, <https://www.oregon.gov/dsl/Pages/payments.aspx>

From: Taylor, Jess1 <Jess.Taylor1@tetrattech.com>
Sent: Thursday, May 18, 2023 6:08 PM
To: HOWARD Heather * DSL <Heather.HOWARD@dsl.oregon.gov>
Cc: DSL Wetland Delineation * DSL <Wetland.DELINEATION@dsl.oregon.gov>; Konkol, Carrie <Carrie.Konkol@tetrattech.com>; CLARK Christopher * ODOE <christopher.clark@energy.oregon.gov>; Twitchell, Sara <Sara.Twitchell@nexteraenergy.com>
Subject: RE: Wheatridge Energy Facility East Delineation Report Submittal

Hi Heather,

The GIS package and report have been uploaded to your dropbox.



Thanks!

Jessica Taylor | Restoration Ecologist and Wetland Scientist
Direct +1 (509) 386-5036 | Jessica.Taylor@tetrattech.com
Tetra Tech | Complex World, Clear Solutions™ | Environmental Services Divisions
14 E Main Street, Suite 210 | Walla Walla WA 99362 | tetrattech.com
Pronouns: She, Her

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From: HOWARD Heather * DSL <Heather.HOWARD@dsl.oregon.gov>
Sent: Wednesday, May 17, 2023 10:10 AM
To: Taylor, Jess1 <Jess.Taylor1@tetrattech.com>
Cc: DSL Wetland Delineation * DSL <Wetland.DELINEATION@dsl.oregon.gov>
Subject: FW: Wheatridge Energy Facility East Delineation Report Submittal

You don't often get email from heather.howard@dsl.oregon.gov. [Learn why this is important](#)

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Good morning, Jessica,

Here's a link to our Box.com,
<https://oregonstatelands.app.box.com/f/519c9806acba412b907dea5ccc7017ba> Please let us know (wetland.delineation@dsl.oregon.gov) when you've submitted in Box, as we do not get automatic alerts. Thanks!

Heather Howard
Support Services Specialist
Oregon Department of State Lands
775 Summer St. NE, Ste. 100
Salem, OR 97301
(503) 986-5235

www.oregon.gov/dsl

**Online Payment Portal, <https://www.oregon.gov/dsl/Pages/payments.aspx>

From: Taylor, Jess1 <Jess.Taylor1@tetrattech.com>
Sent: Tuesday, May 16, 2023 6:03 PM
To: DSL Wetland Delineation * DSL <wetland.delineation@dsl.oregon.gov>
Cc: CLARK Christopher * ODOE <christopher.clark@energy.oregon.gov>; Twitchell, Sara <Sara.Twitchell@nexteraenergy.com>; Konkol, Carrie <Carrie.Konkol@tetrattech.com>
Subject: Wheatridge Energy Facility East Delineation Report Submittal

Hello,

Please find attached the cover page for the Wetland Delineation Report for the Wheatridge Energy Facility East project in Morrow and Umatilla counties. I'll need a link for the dropbox because the report is too large to send over email. I will also send GIS shapefiles.

Thank you,

Jessica Taylor

Jessica Taylor | Restoration Ecologist and Wetland Scientist Direct **+1 (509) 386-5036** |
Jessica.Taylor@tetrattech.com

Tetra Tech | Complex World, Clear Solutions™ | Environmental Services Divisions
14 E Main Street, Suite 210 | Walla Walla WA 99362 | tetrattech.com

Pronouns: She, Her

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TETRA TECH

Wheatridge
Renewable
Energy Facility East

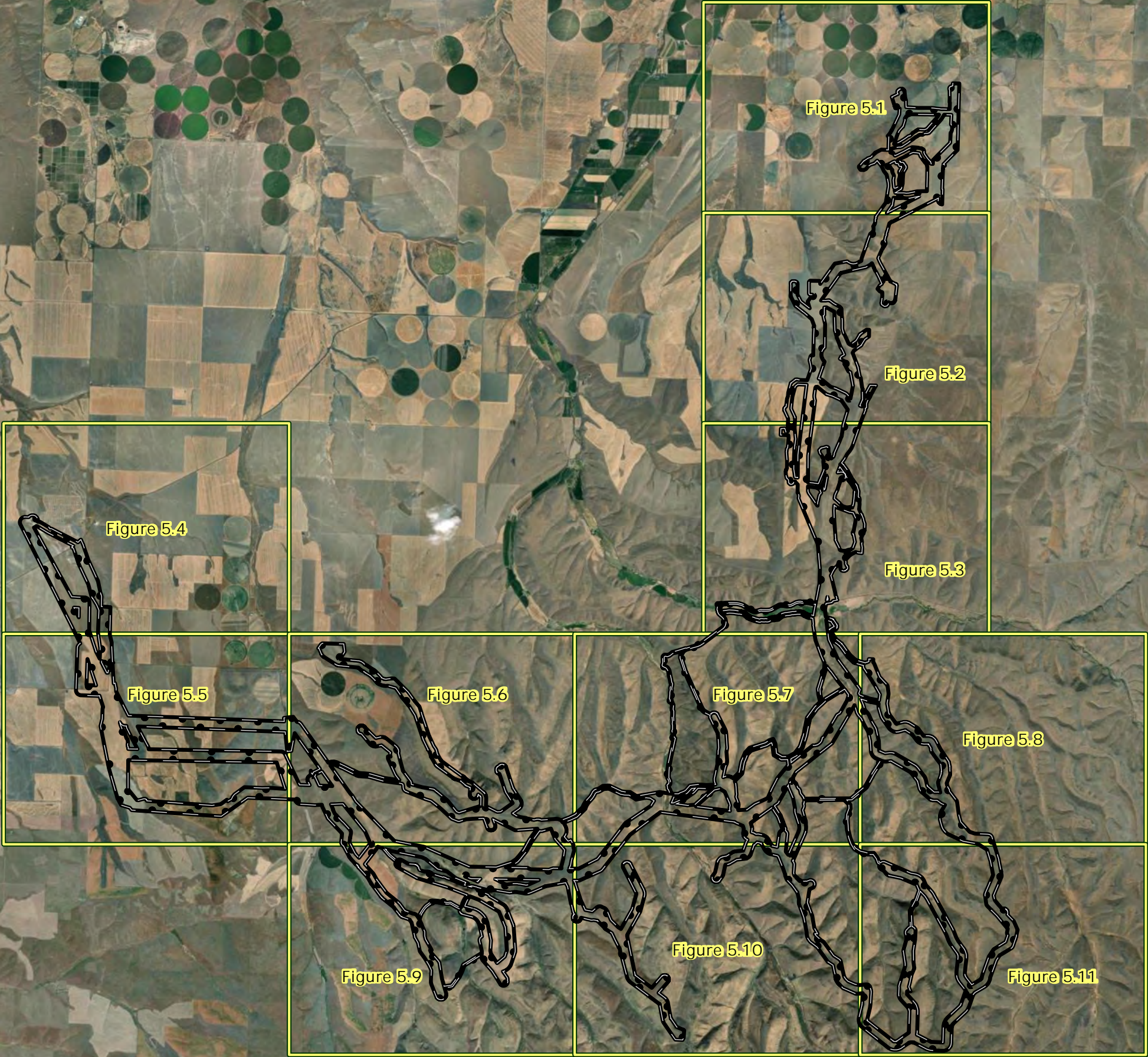
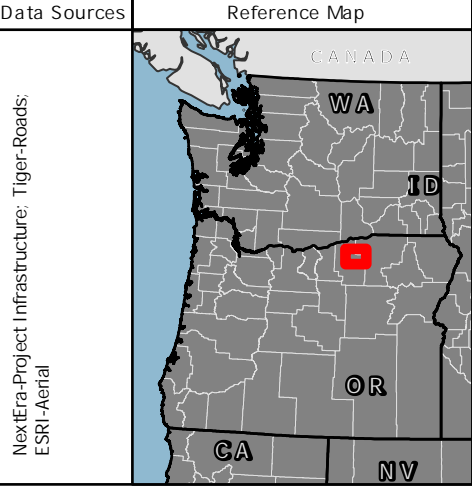
Figure 5
Wetland Delineation
Index Map

MORROW AND UMATILLA COUNTIES, OR

-  Map Grid
 Study Area

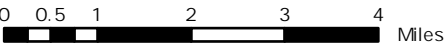
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



1:130,000

WGS 1984 UTM Zone 11N










NOT FOR CONSTRUCTION

P:\GIS PROJECTS\NextEra\Wheatridge_East\Maps\WetlandDelineation\Report_20230405\NEER_WRE_WDR_111171_20230405.aprx

Wheatridge
Renewable
Energy Facility East

Figure 5.1
Wetland Delineation
Detail Map

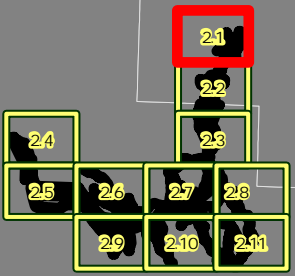
MORROW AND UMATILLA COUNTIES, OR

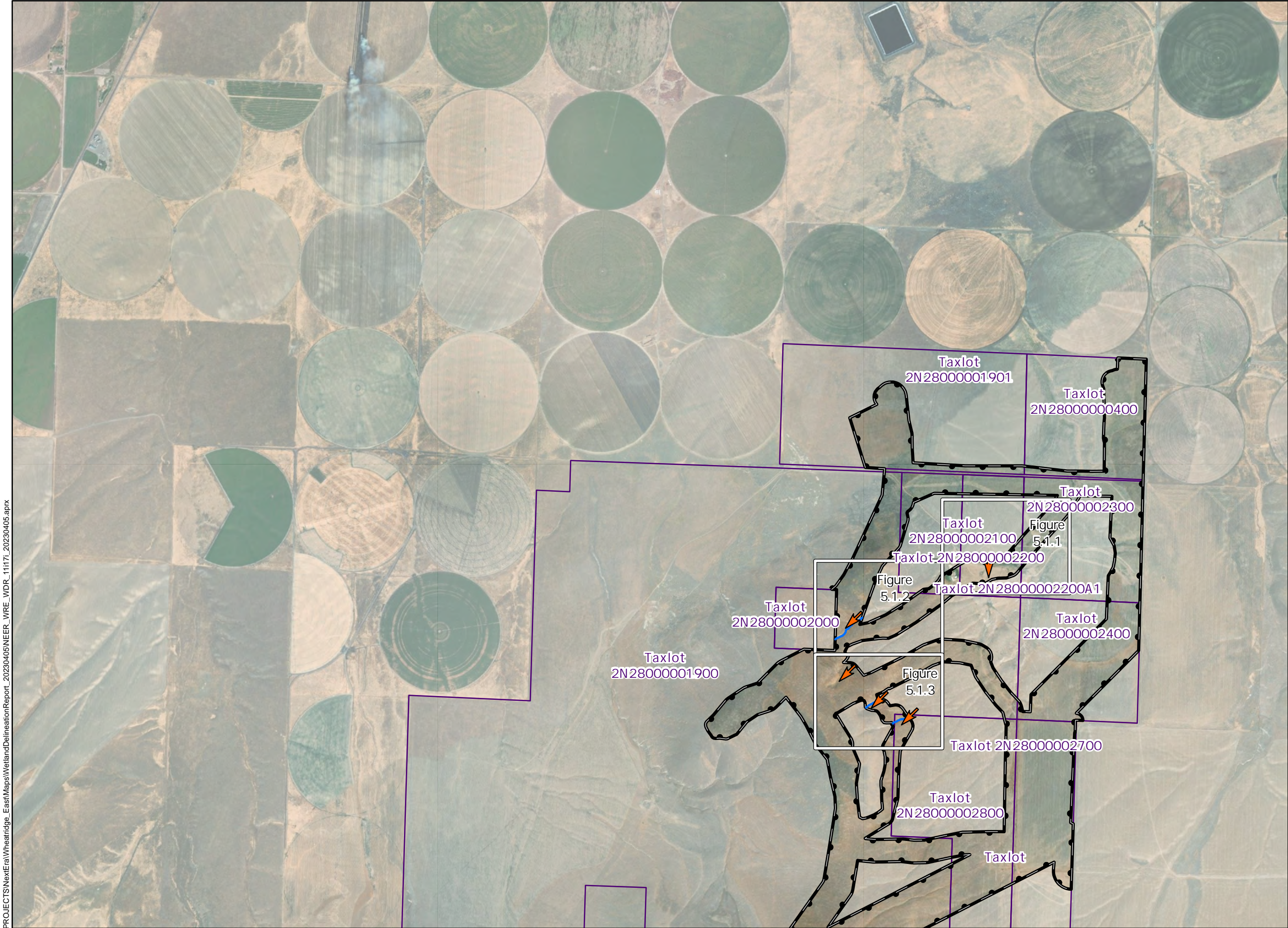
-  Study Area
-  Detailed Map Grid
-  County Boundary
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.










Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Aerial	



Wheatridge
Renewable
Energy Facility East

Figure 5.2
Wetland Delineation
Detail Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Detailed Map Grid
-  County Boundary
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < /= 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial



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1: 24,000

WGS 1984 UTM Zone 11N



NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.3 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Not Granted
 - Access Granted

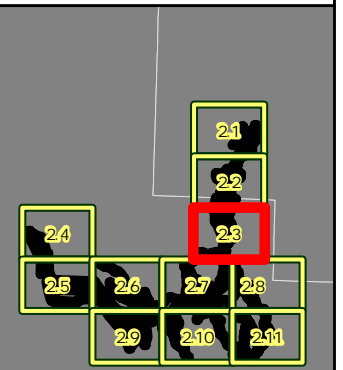
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial

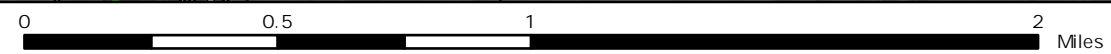


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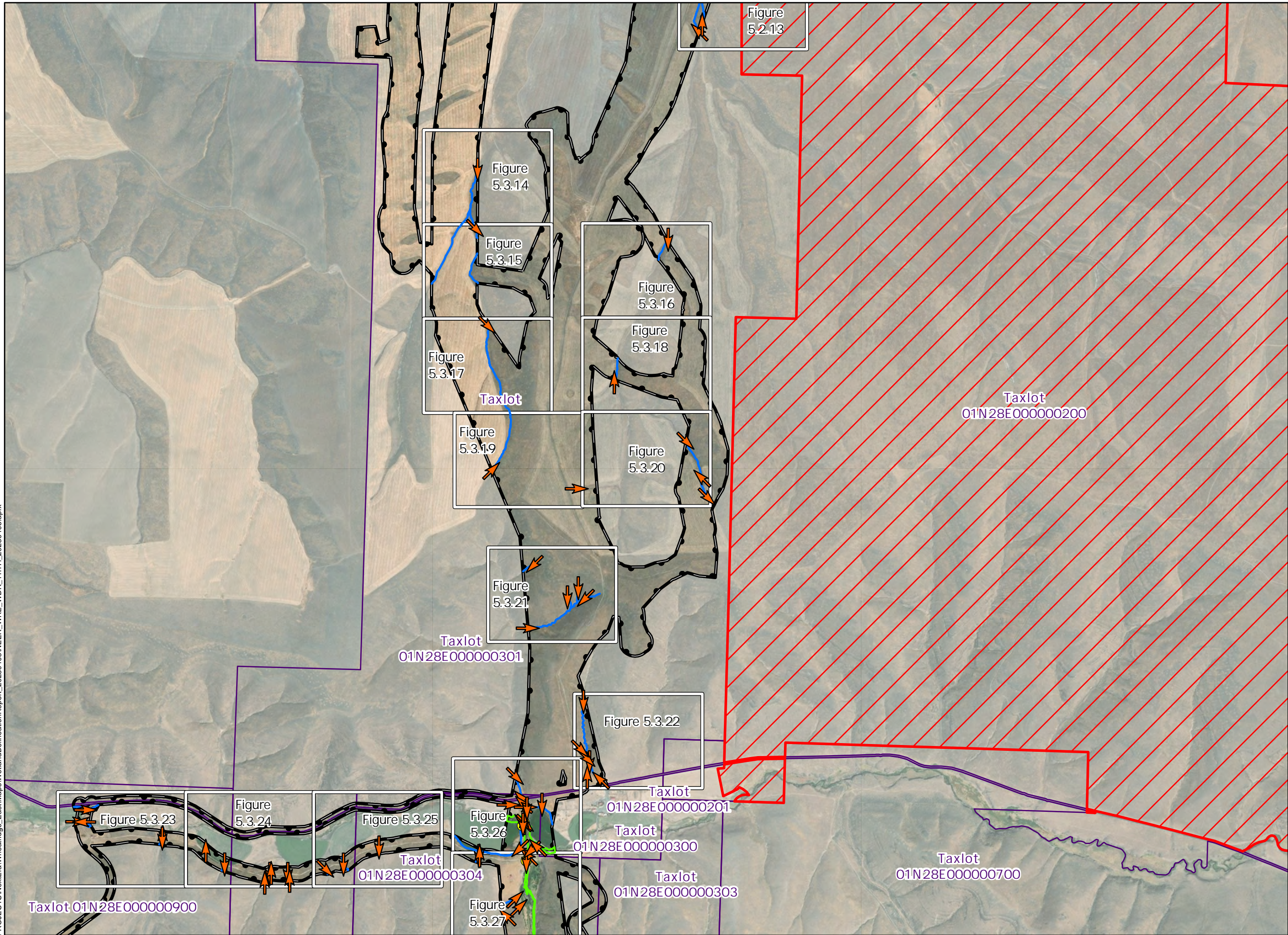


1: 24,000

WGS 1984 UTM Zone 11N











NOT FOR CONSTRUCTION



Wheatridge
Renewable
Energy Facility East

Figure 5.4
Wetland Delineation
Detail Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Detailed Map Grid
-  County Boundary
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads:
ESRI-Aerial



1: 24,000

WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

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Wheatridge Renewable Energy Facility East

Figure 5.5 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Desktop Delineated Stream
- Survey Access**
 - Access Not Granted
 - Access Granted

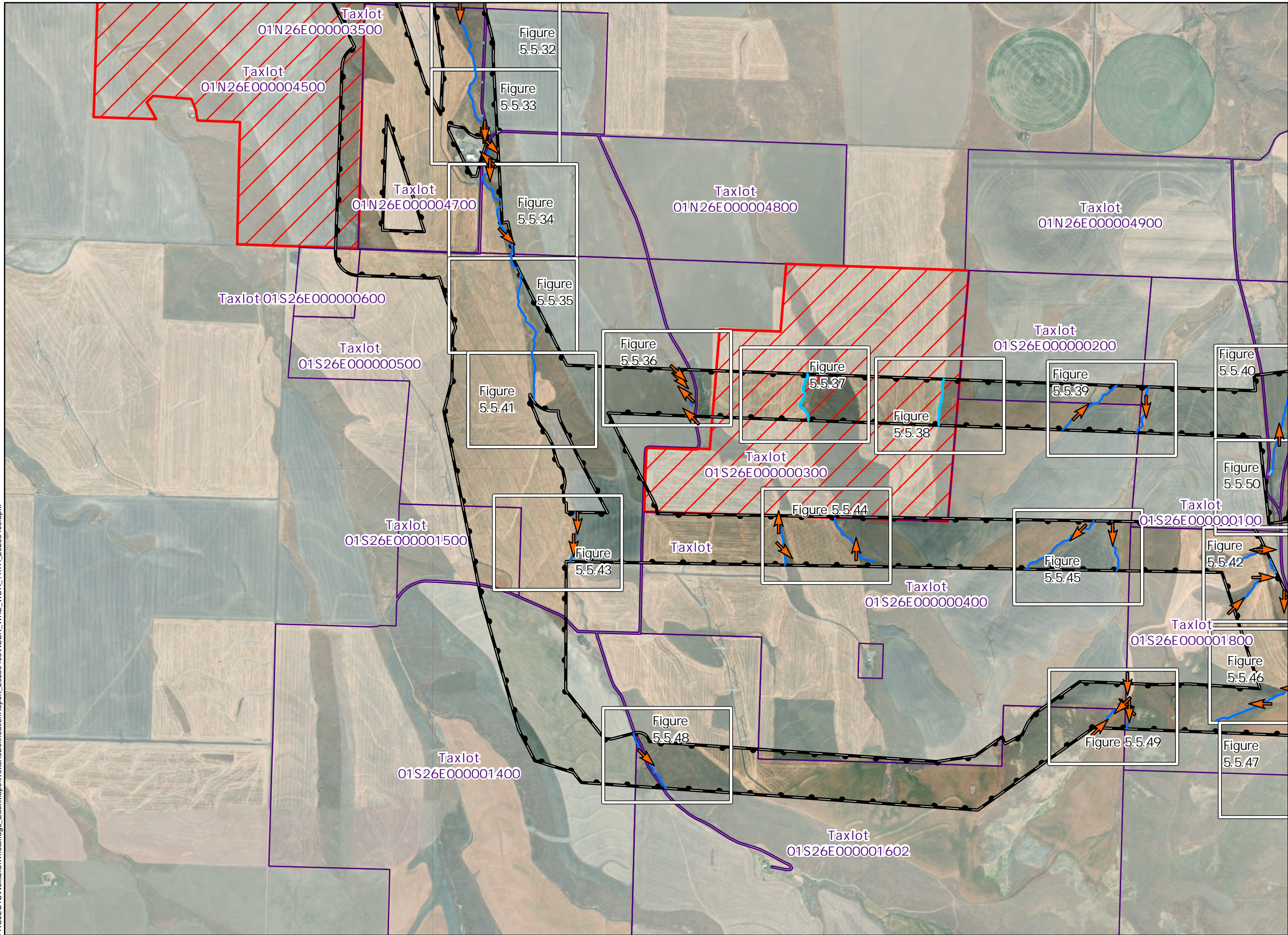
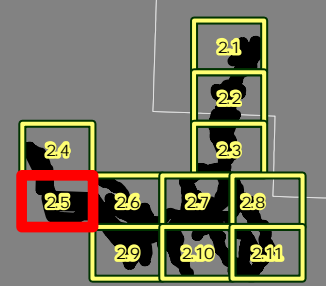
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial



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Wheatridge Renewable Energy Facility East

Figure 5.6 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Not Granted
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

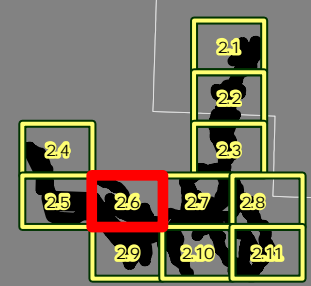
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



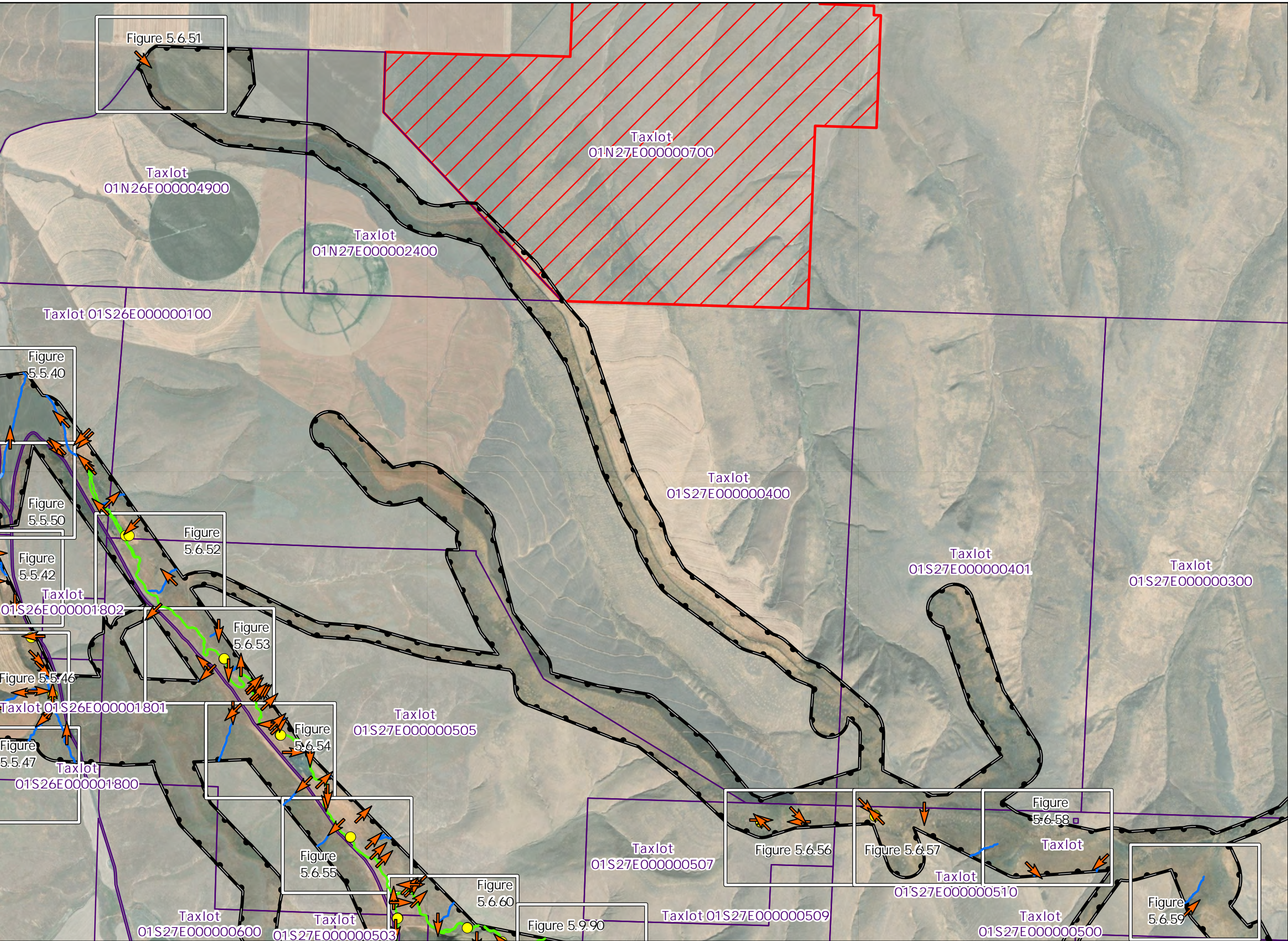
Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial

Reference Map



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Wheatridge Renewable Energy Facility East

Figure 5.7 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

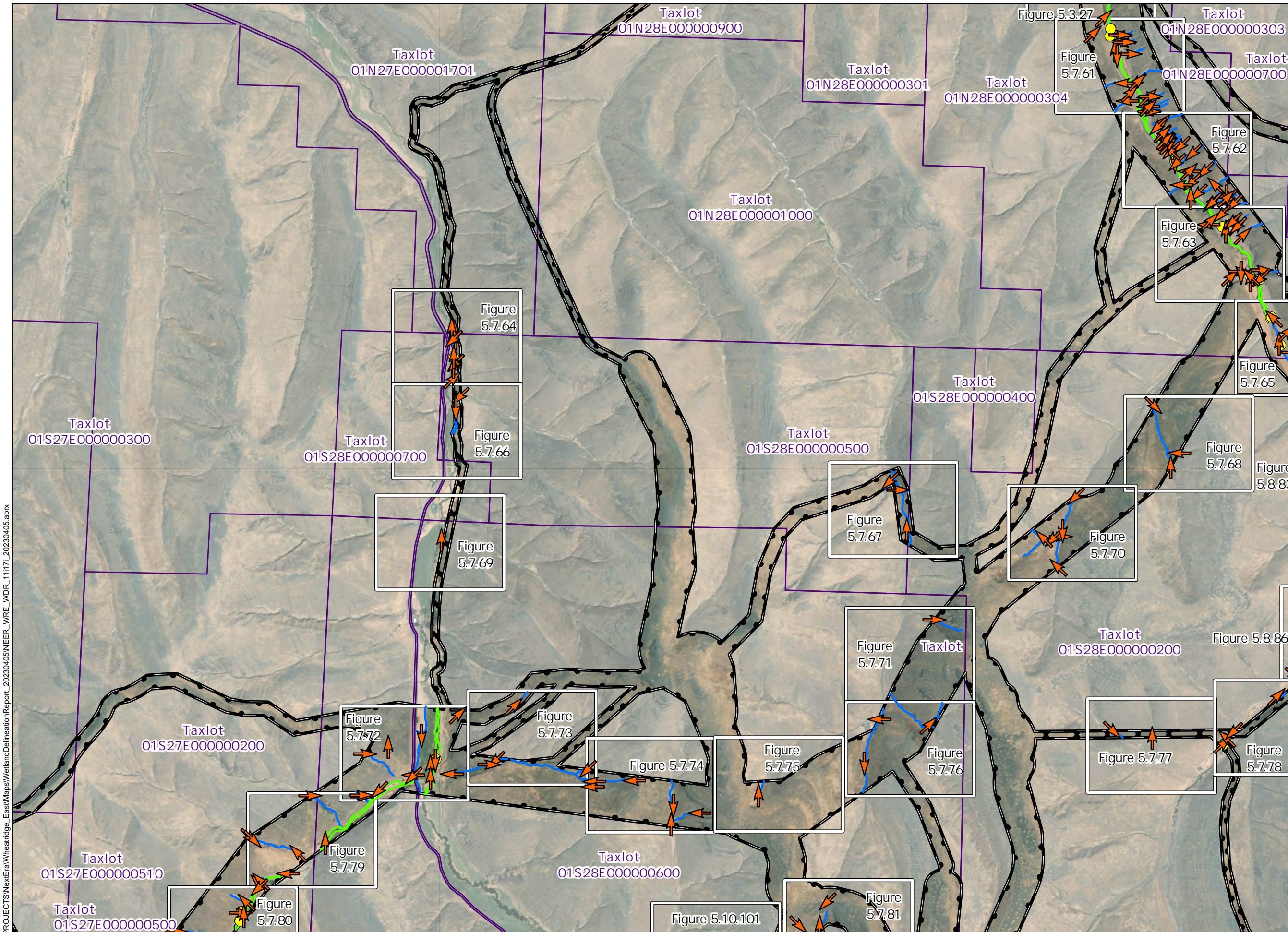
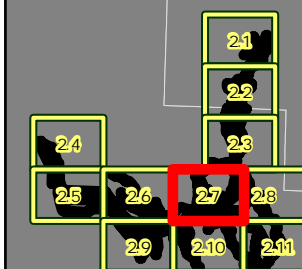
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial

Reference Map



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1: 24,000

WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

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Wheatridge
Renewable
Energy Facility East

Figure 5.8
Wetland Delineation
Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial



Taxlot
01N28E000000700

Taxlot
01N28E000000303

Taxlot-01N28E000000304

Figure
5.7.63

Figure
5.8.82

Figure
5.7.65

Figure
5.8.83

Taxlot
01S28E000000300

Taxlot
01S28E000000301

Figure 5.8.84

Figure
5.8.86

Figure
5.8.85

Figure
5.7.78

Taxlot
01S28E000000201

Figure
5.8.87

Taxlot
01S28E000000200

Figure
5.8.88

Figure 5.8.89

Taxlot

Umatilla County
Morrow County

Taxlot
01S28E000000100

Taxlot
01S29E000000400

Taxlot
01S29E000000300



1: 24,000

WGS 1984 UTM Zone 11N

0 0.5 1 2 Miles

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.9 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

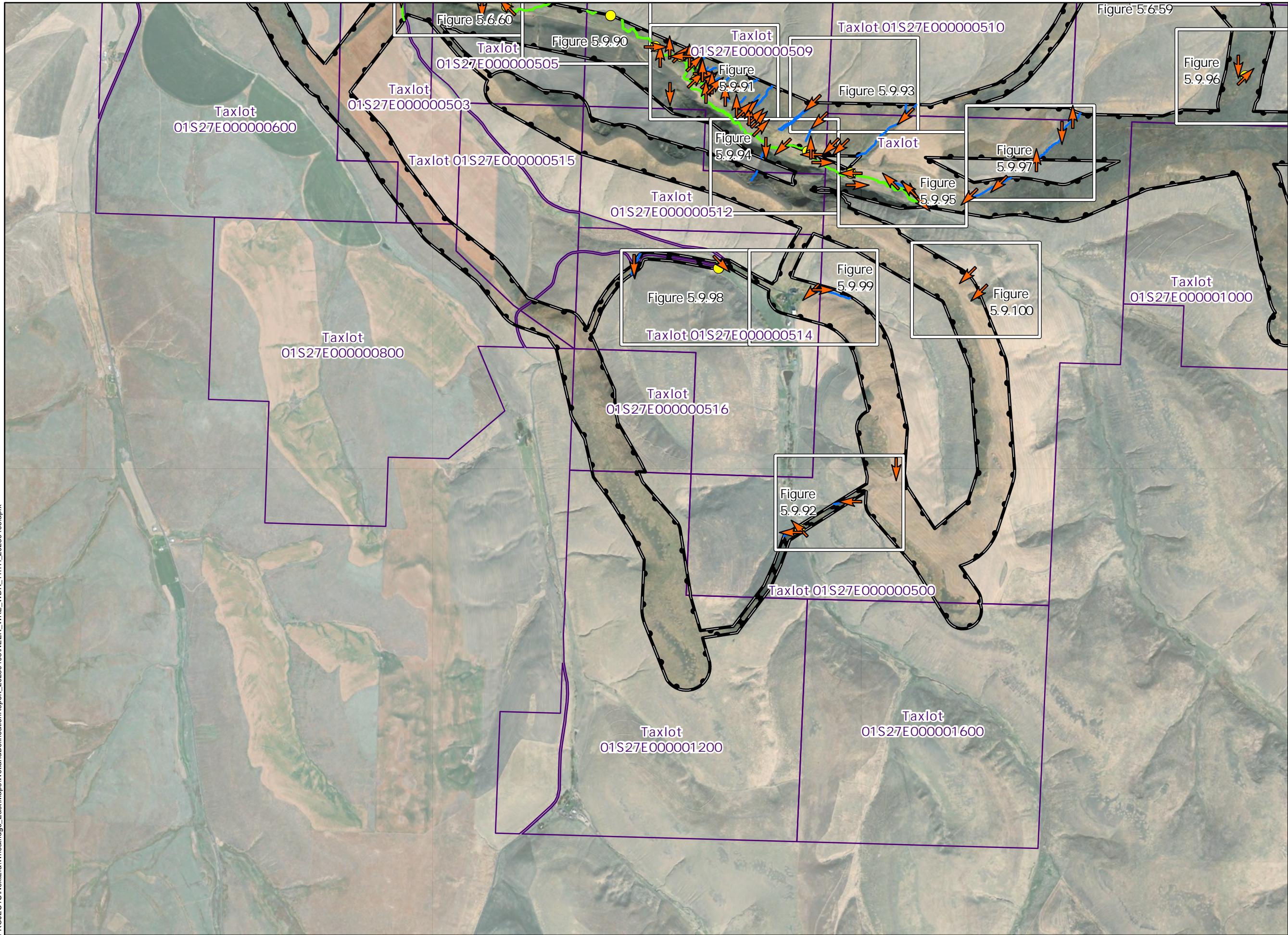
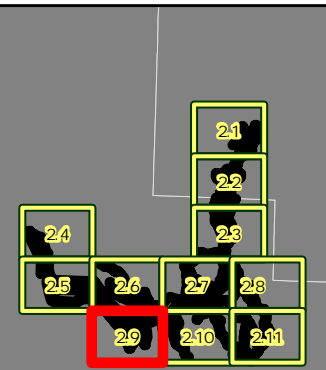
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

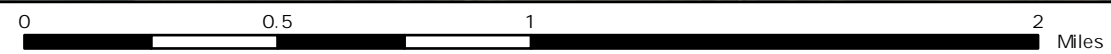
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial

Reference Map



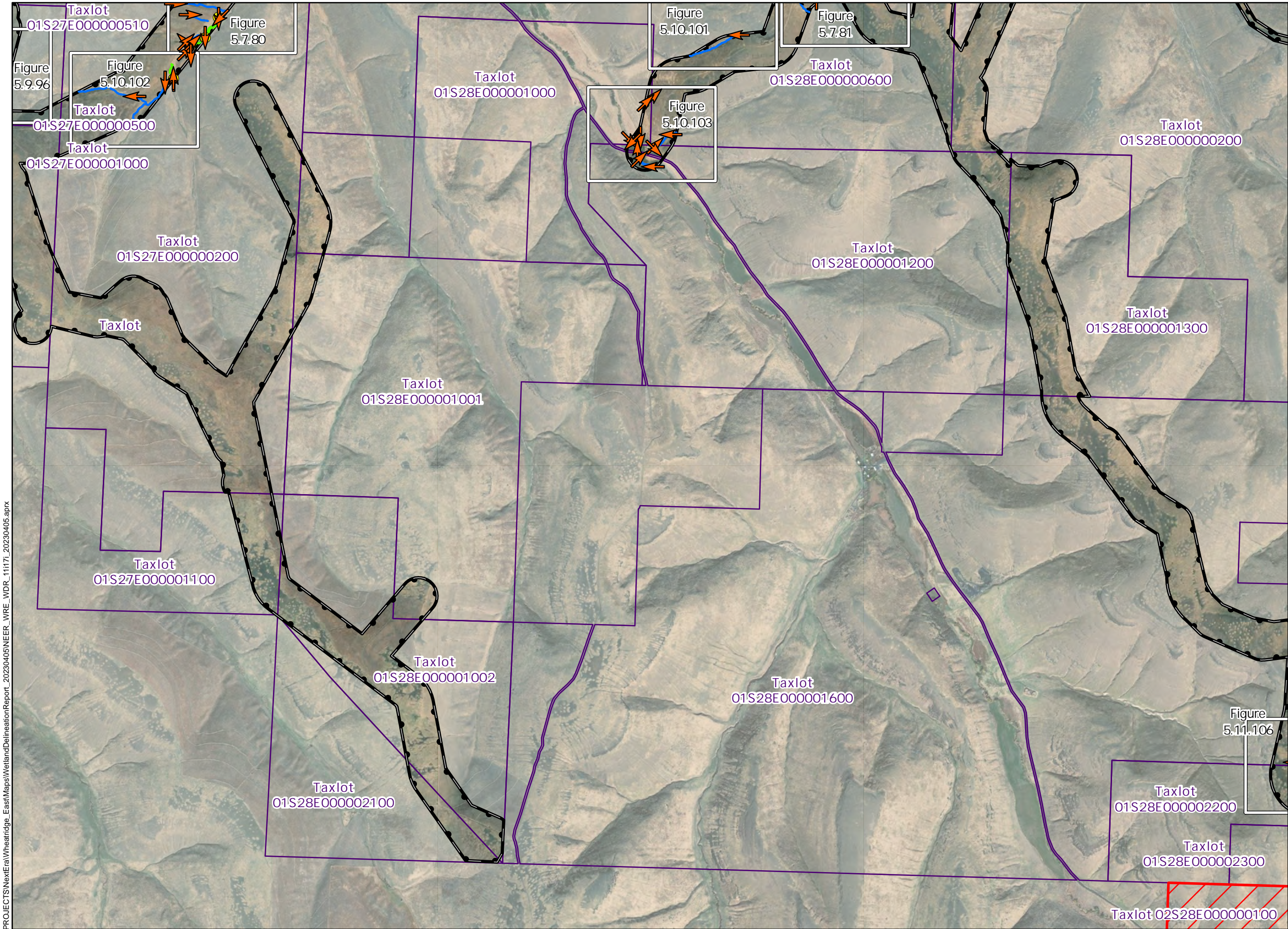
1: 24,000

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

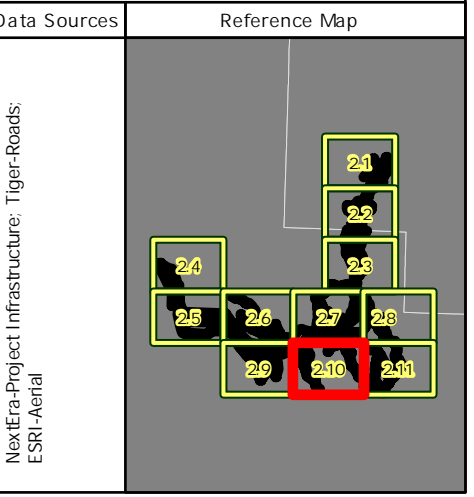
Figure 5.10 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access**
 - Access Not Granted
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



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Wheatridge Renewable Energy Facility East

Figure 5.11 Wetland Delineation Detail Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Detailed Map Grid
- County Boundary
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Desktop Delineated Wetland
- Survey Access
 - Access Not Granted
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

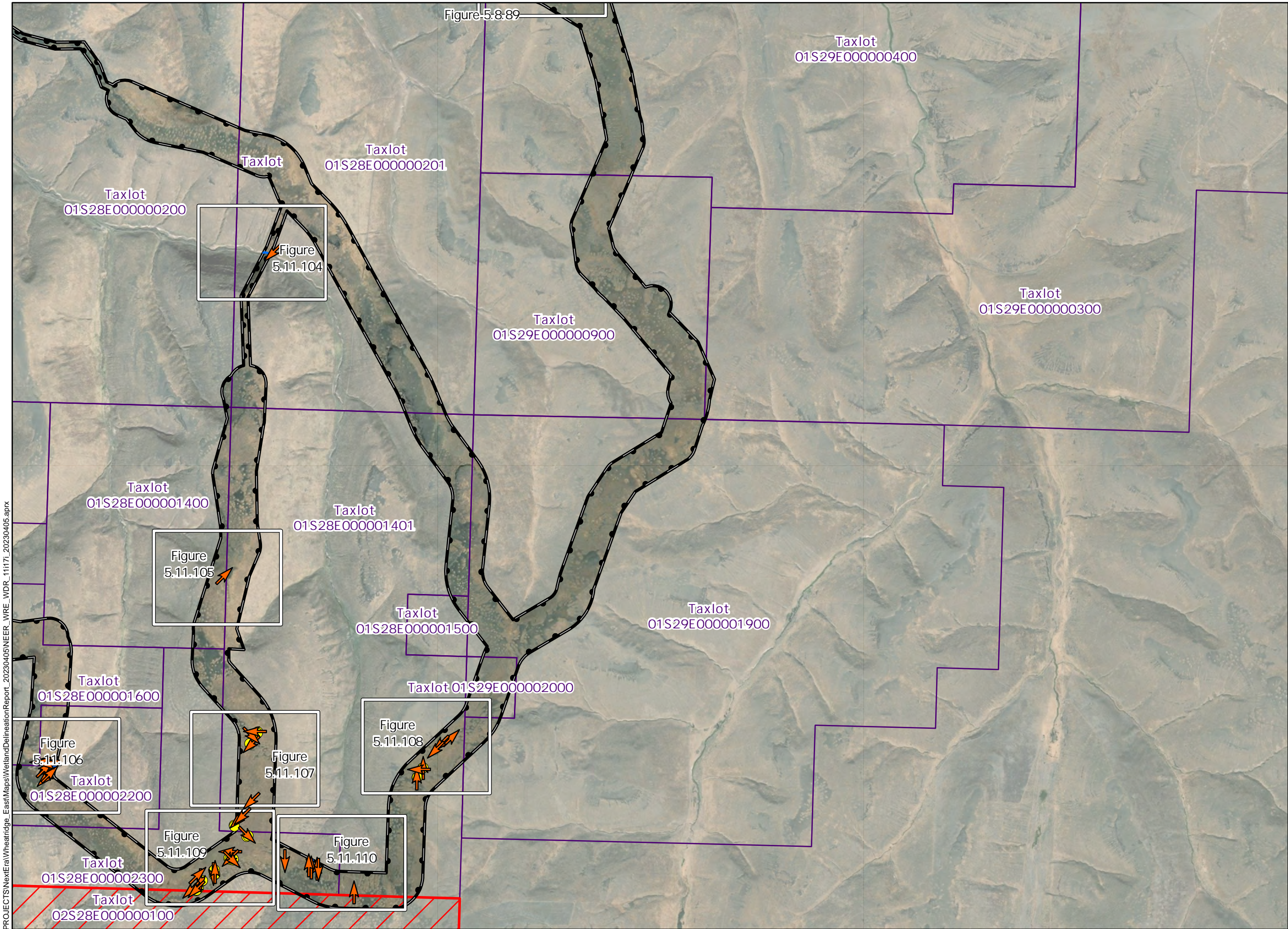
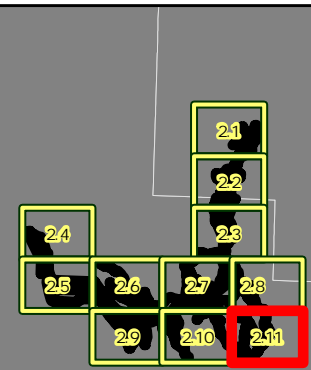
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Aerial

Reference Map



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Wheatridge Renewable Energy Facility East

Figure 5.1.1
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
 -  Access Granted

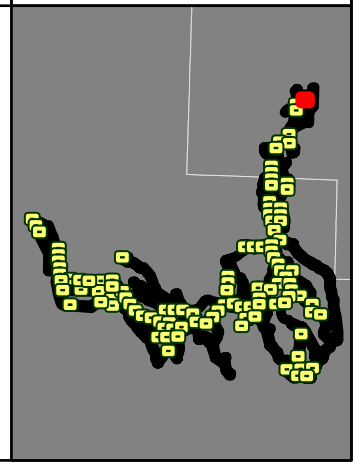
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



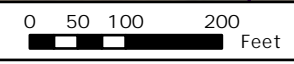
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2, 400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.1.2
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Field Delineated Stream
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

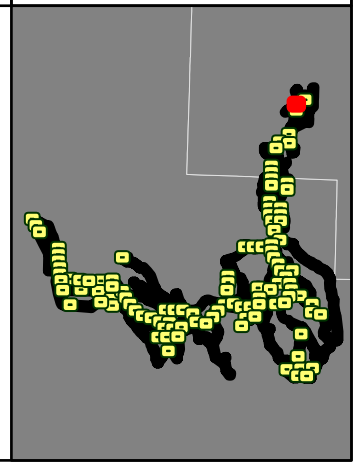
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

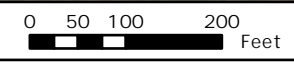
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1: 2,400

WGS 1984 UTM Zone 11N







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Wheatridge Renewable Energy Facility East

Figure 5.1.3
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

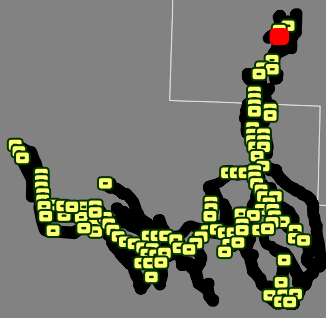
-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

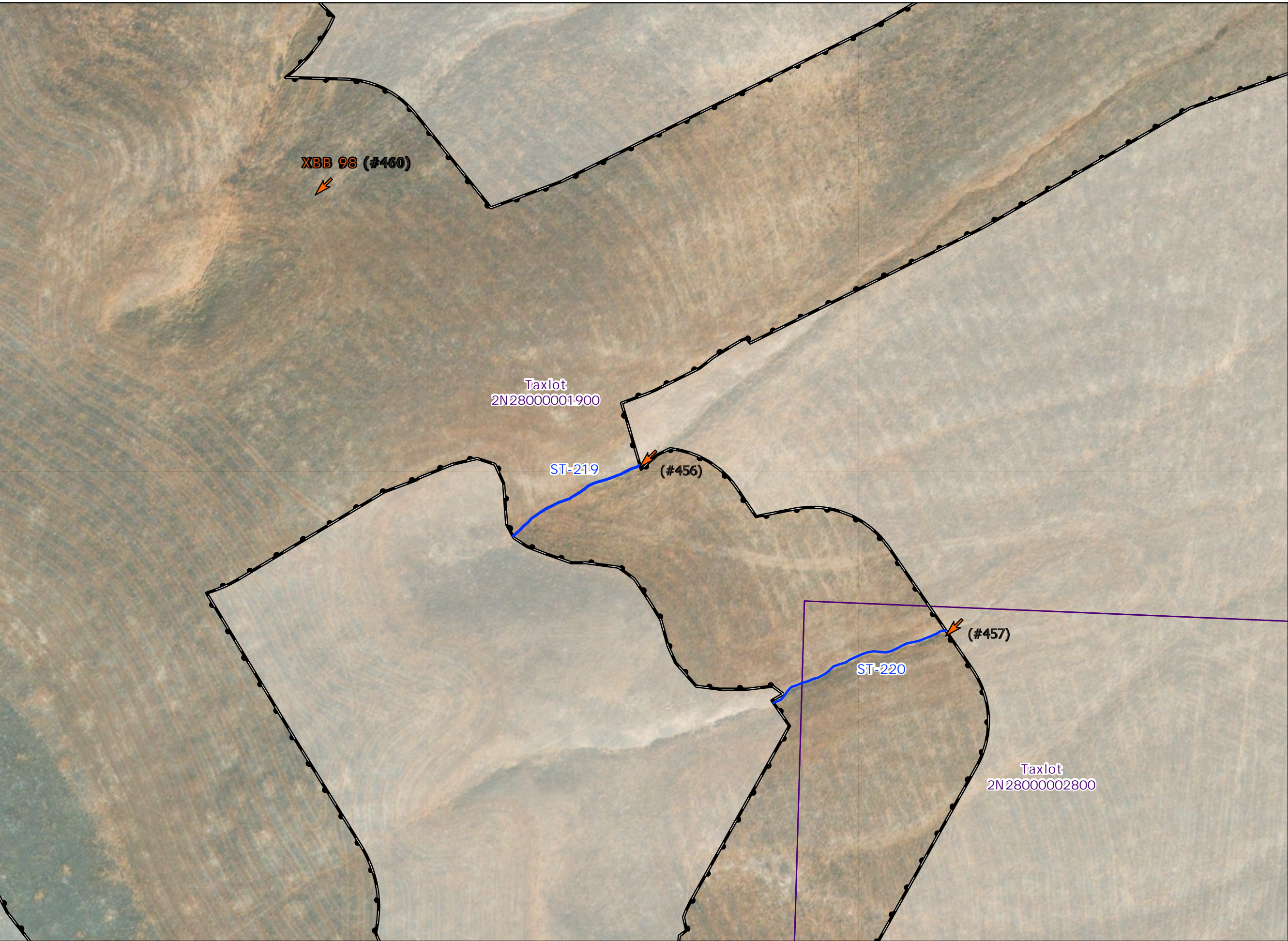
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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Wheatridge
Renewable
Energy Facility East

Figure 5.2.4
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

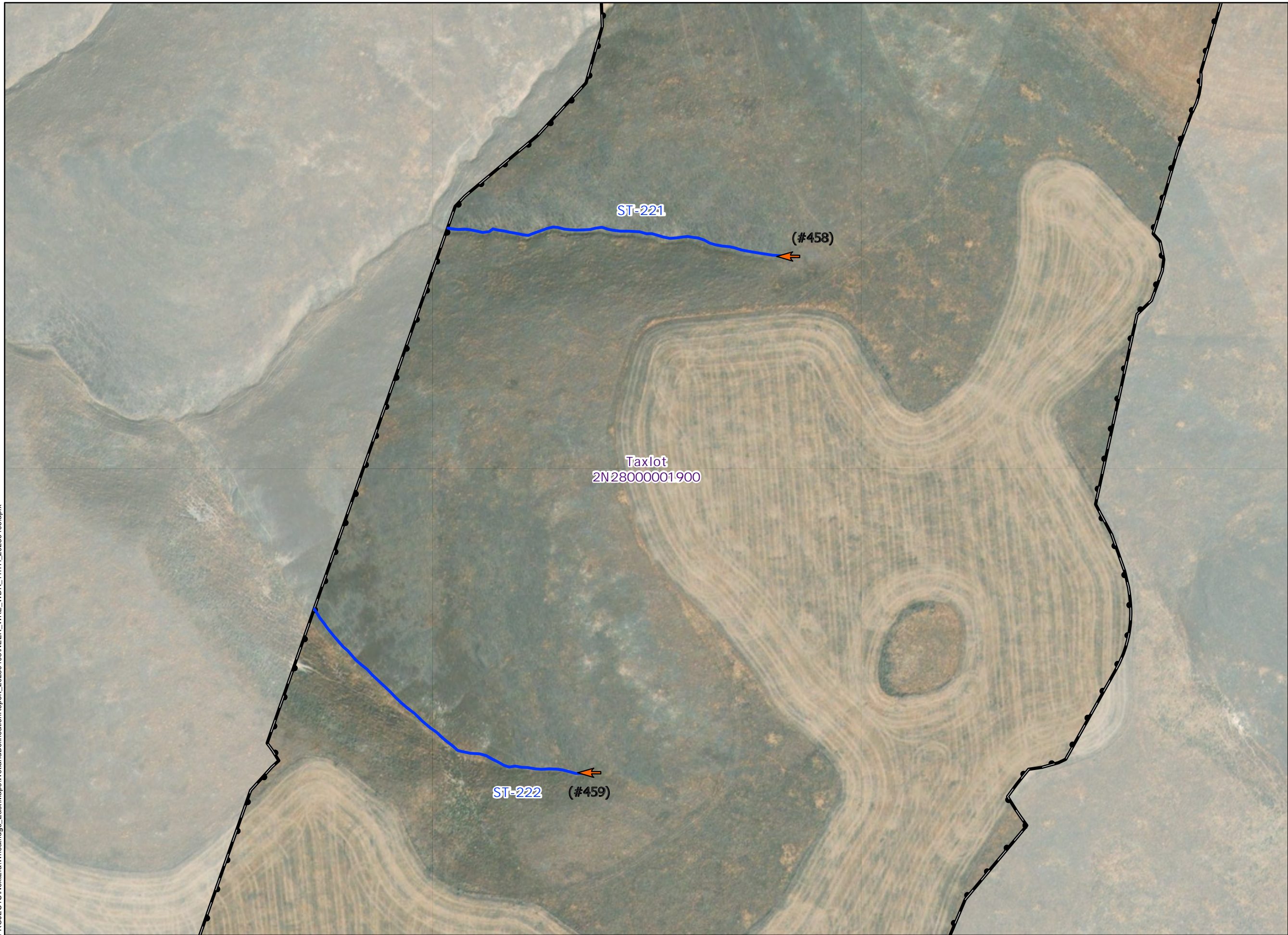
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic







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Wheatridge
Renewable
Energy Facility East

Figure 5.2.5
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

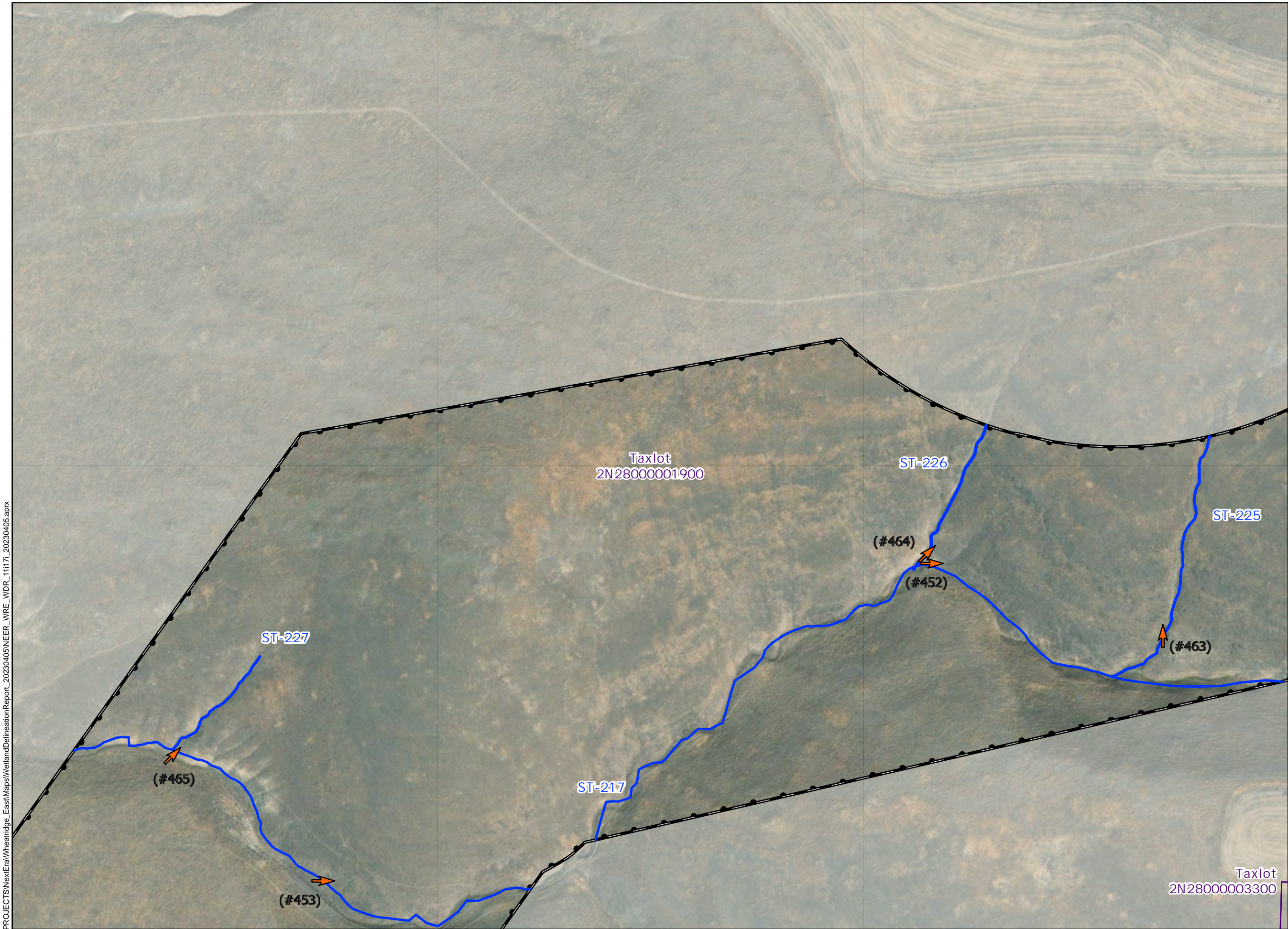
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge
Renewable
Energy Facility East

Figure 5.2.6
Wetland Delineation Map

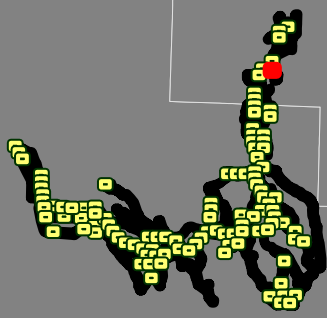
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2, 400

WGS 1984 UTM Zone 11N

0 50 100 200
Feet

NOT FOR CONSTRUCTION






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Wheatridge Renewable Energy Facility East

Figure 5.2.7
Wetland Delineation Map

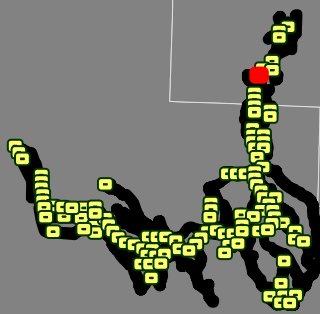
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.2.8
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

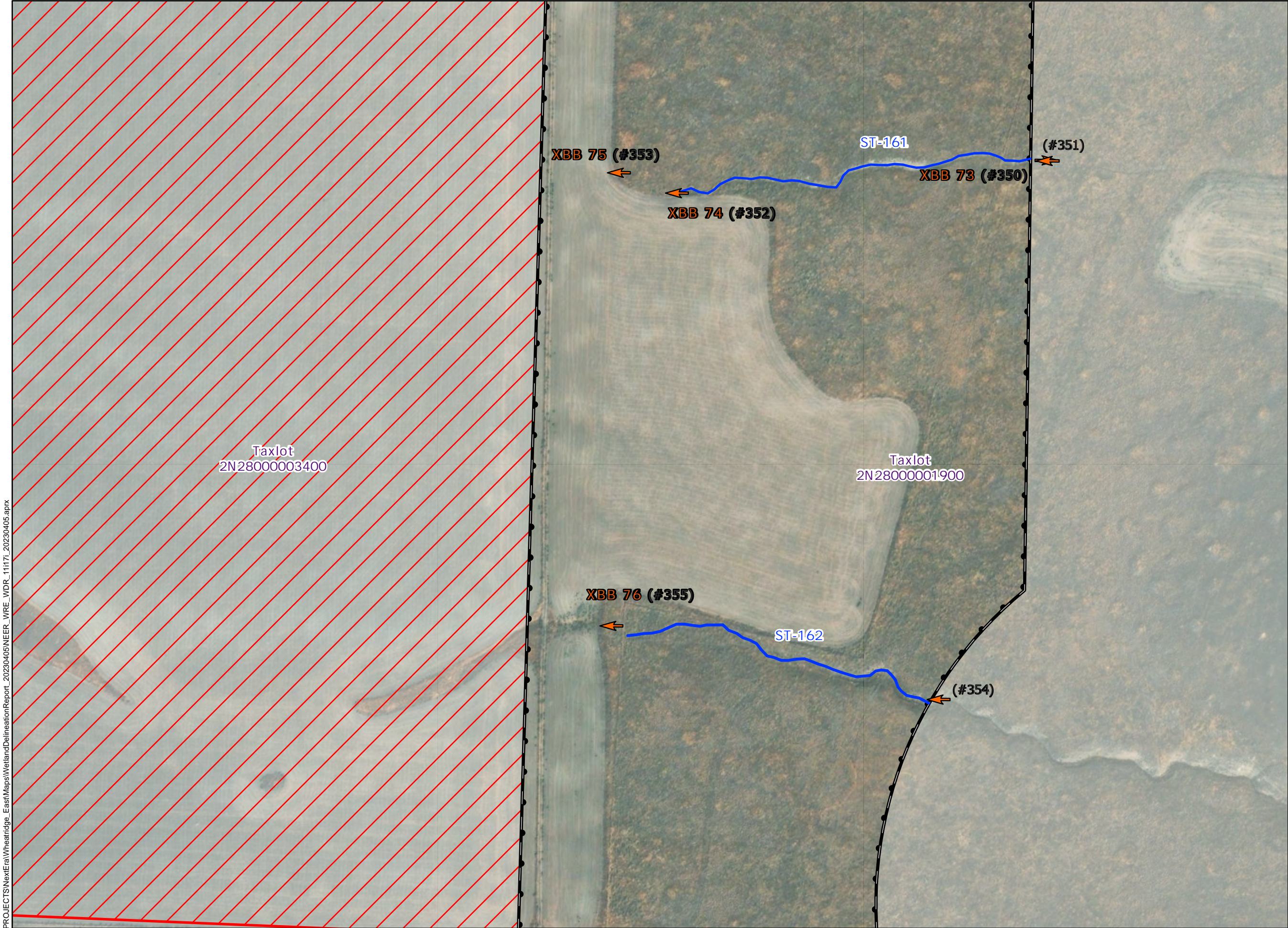
-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	







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Wheatridge
Renewable
Energy Facility East

Figure 5.2.9
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

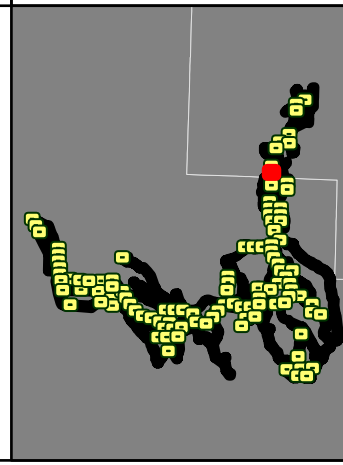
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

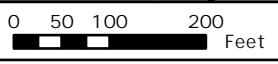


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1: 2, 400

WGS 1984 UTM Zone 11N








NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.2.10
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

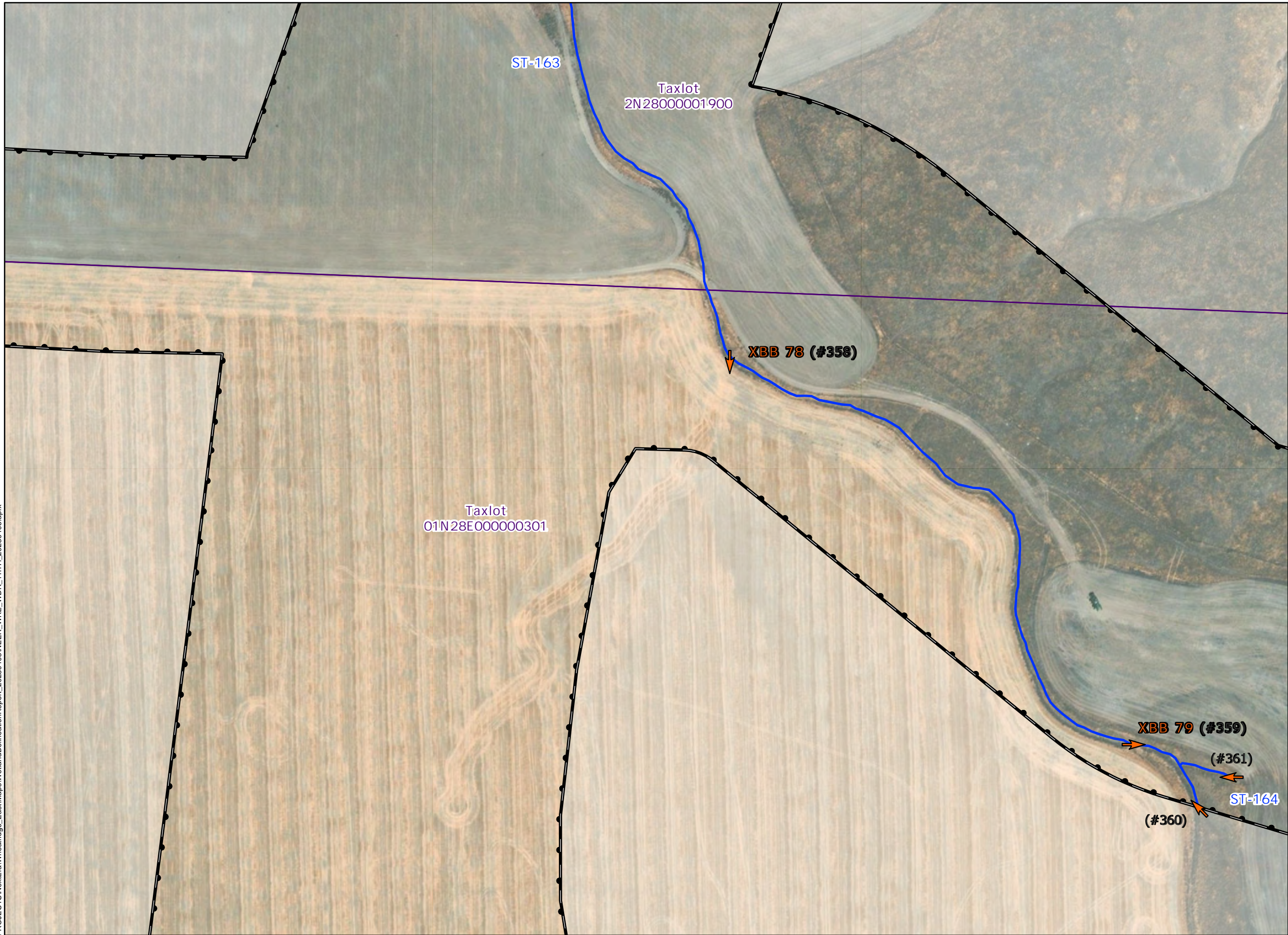
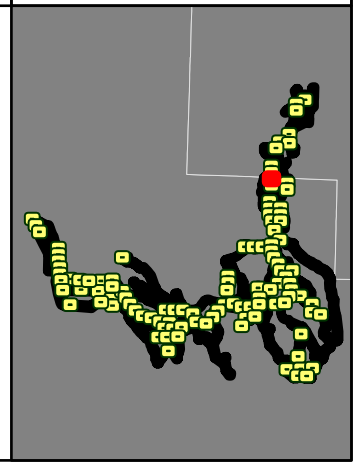
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge Renewable Energy Facility East

Figure 5.2.11
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

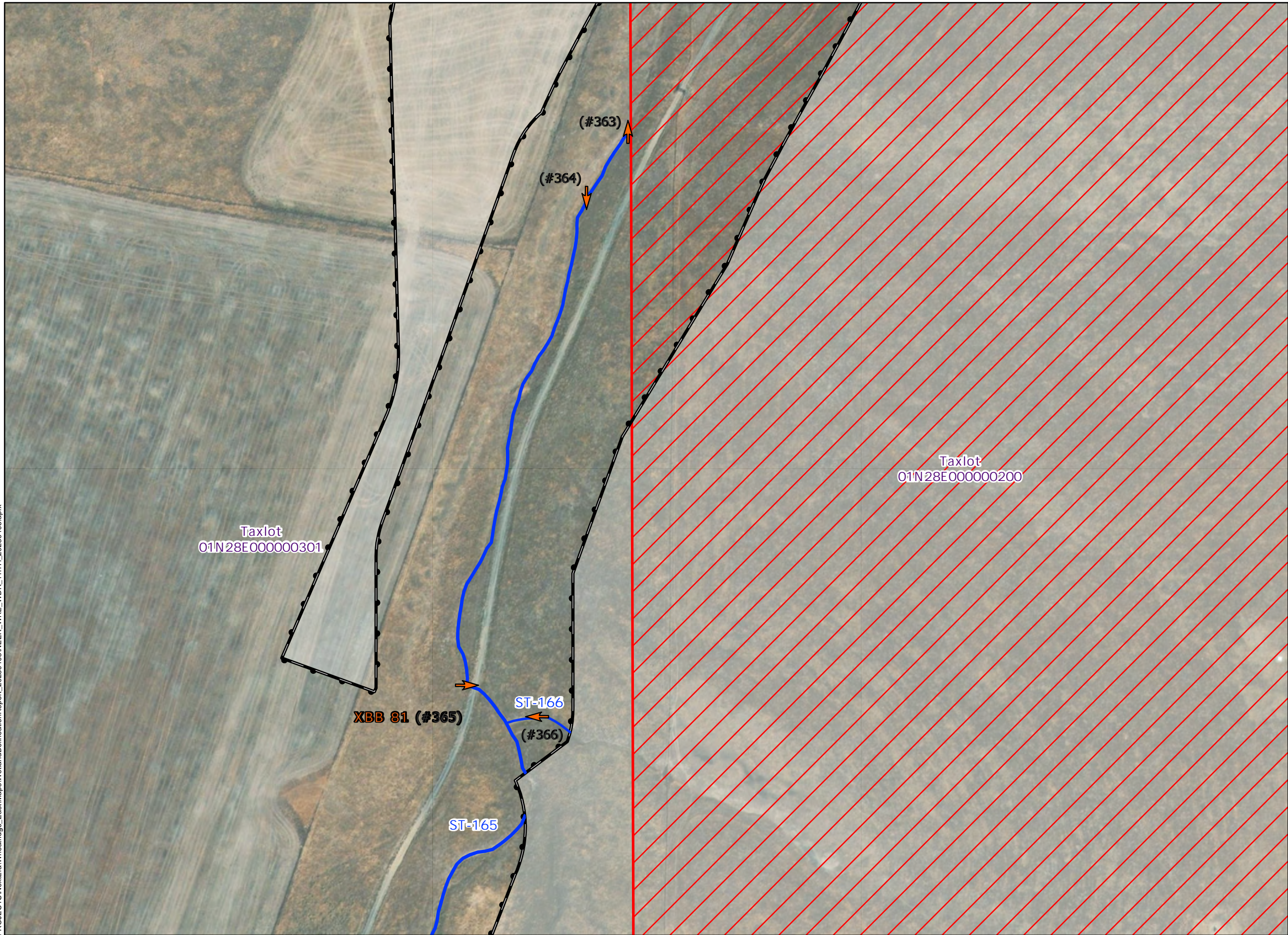
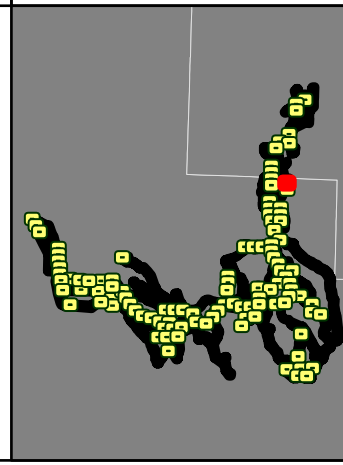
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

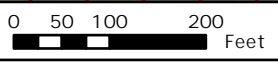


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1: 2,400

WGS 1984 UTM Zone 11N






NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.2.12
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
 -  Access Granted

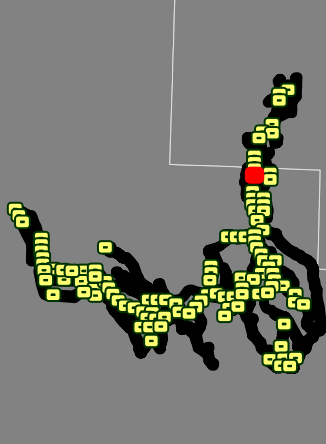
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

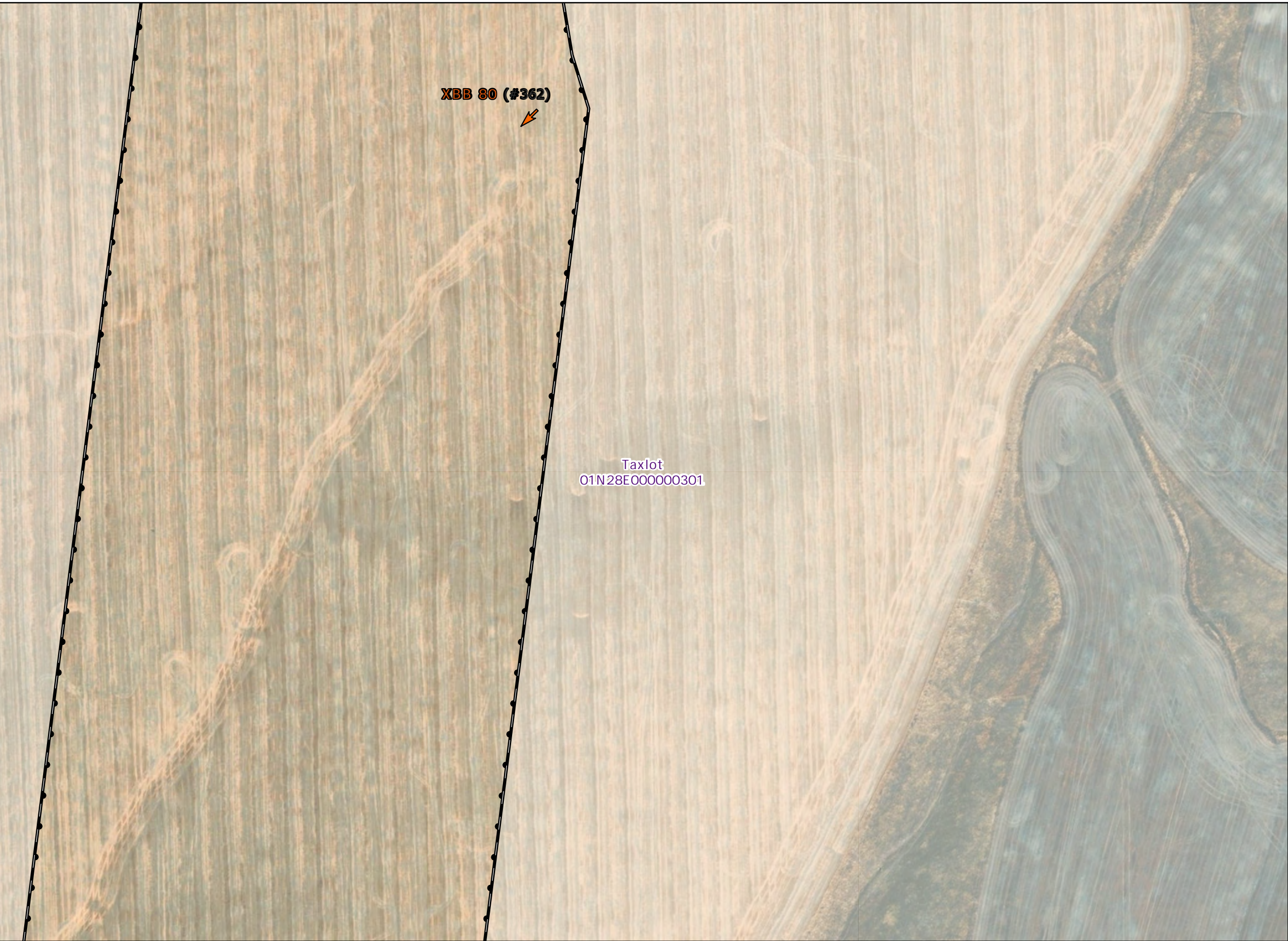


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads:
ESRI-Topographic








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Wheatridge
Renewable
Energy Facility East

Figure 5.2.13
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

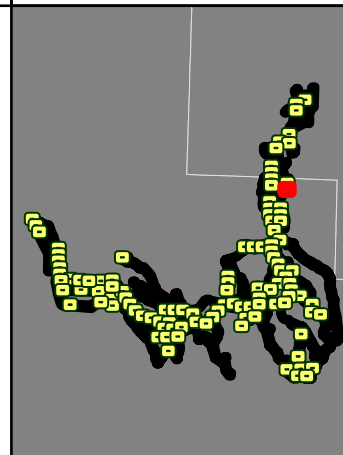
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

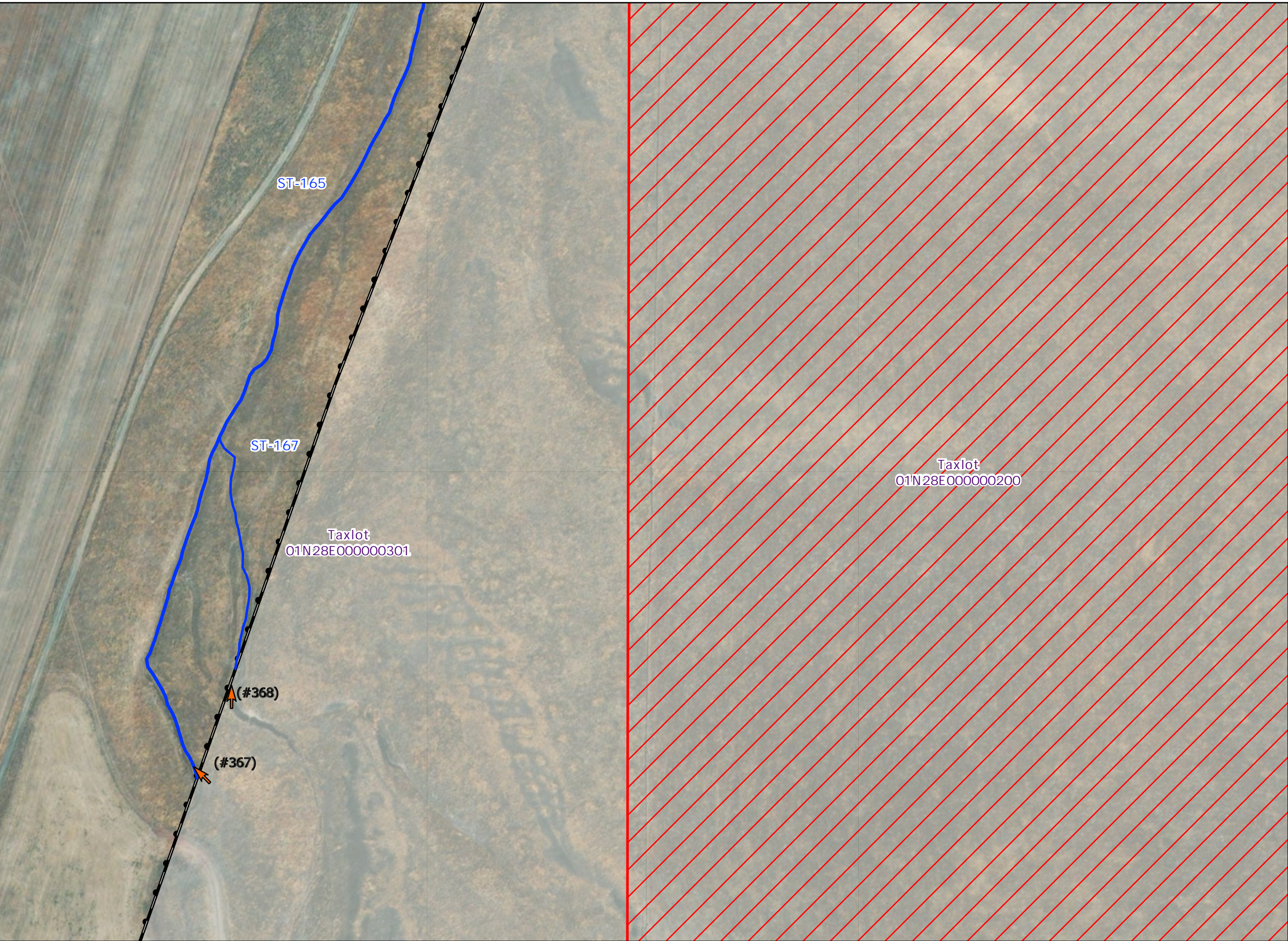


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge
Renewable
Energy Facility East

Figure 5.3.14
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

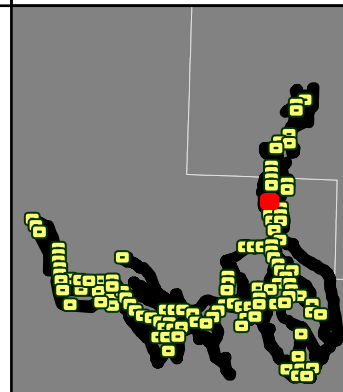
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources Reference Map

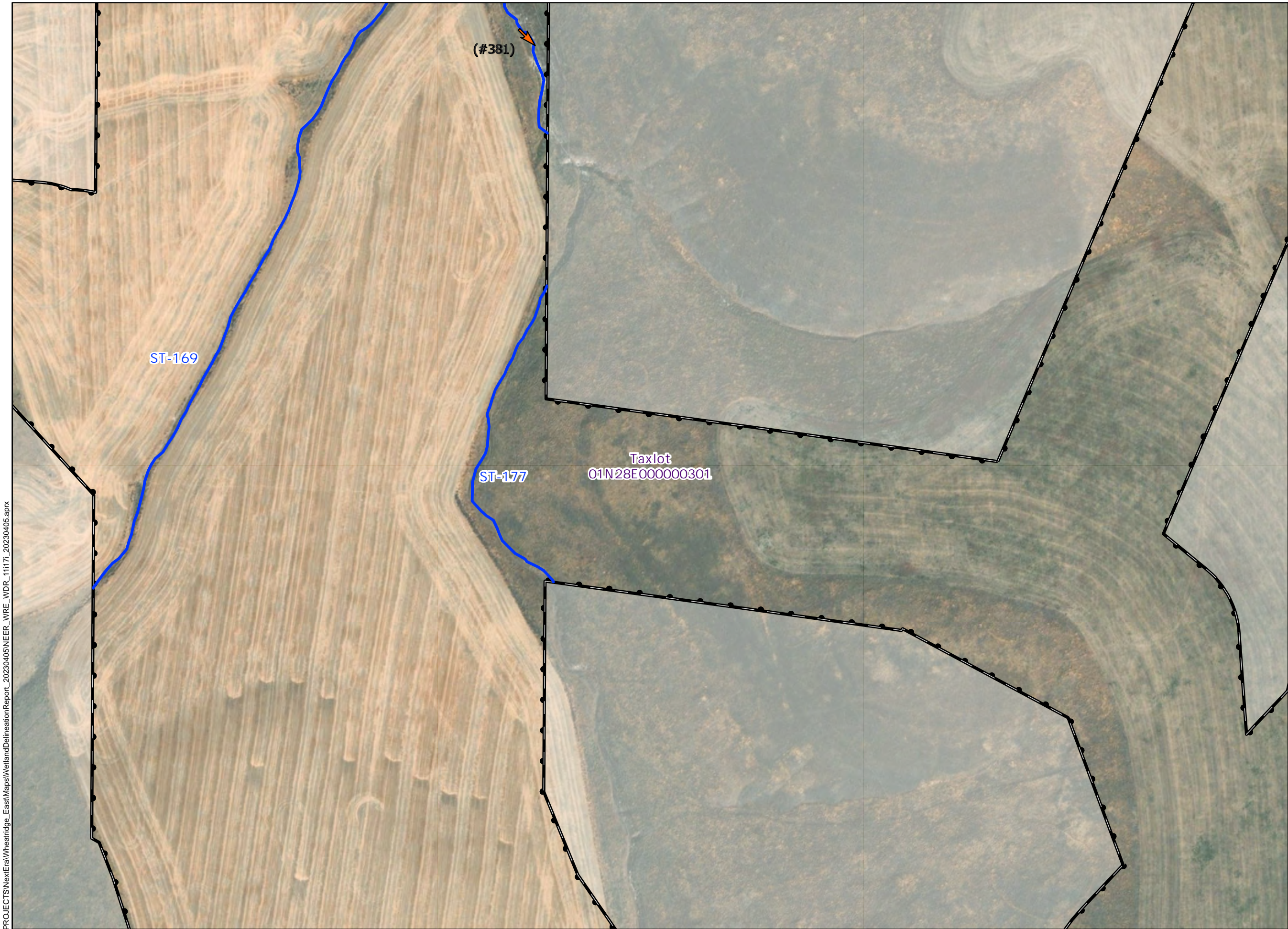
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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

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Wheatridge
Renewable
Energy Facility East

Figure 5.3.15
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

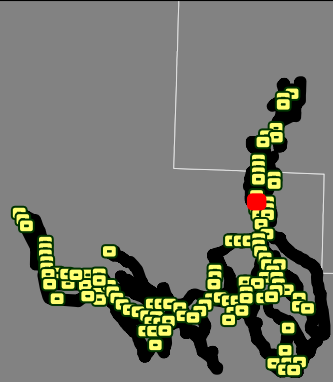
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N





0 50 100 200
Feet

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Wheatridge
Renewable
Energy Facility East

Figure 5.3.16
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

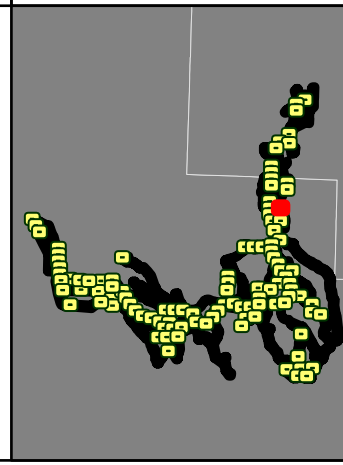
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

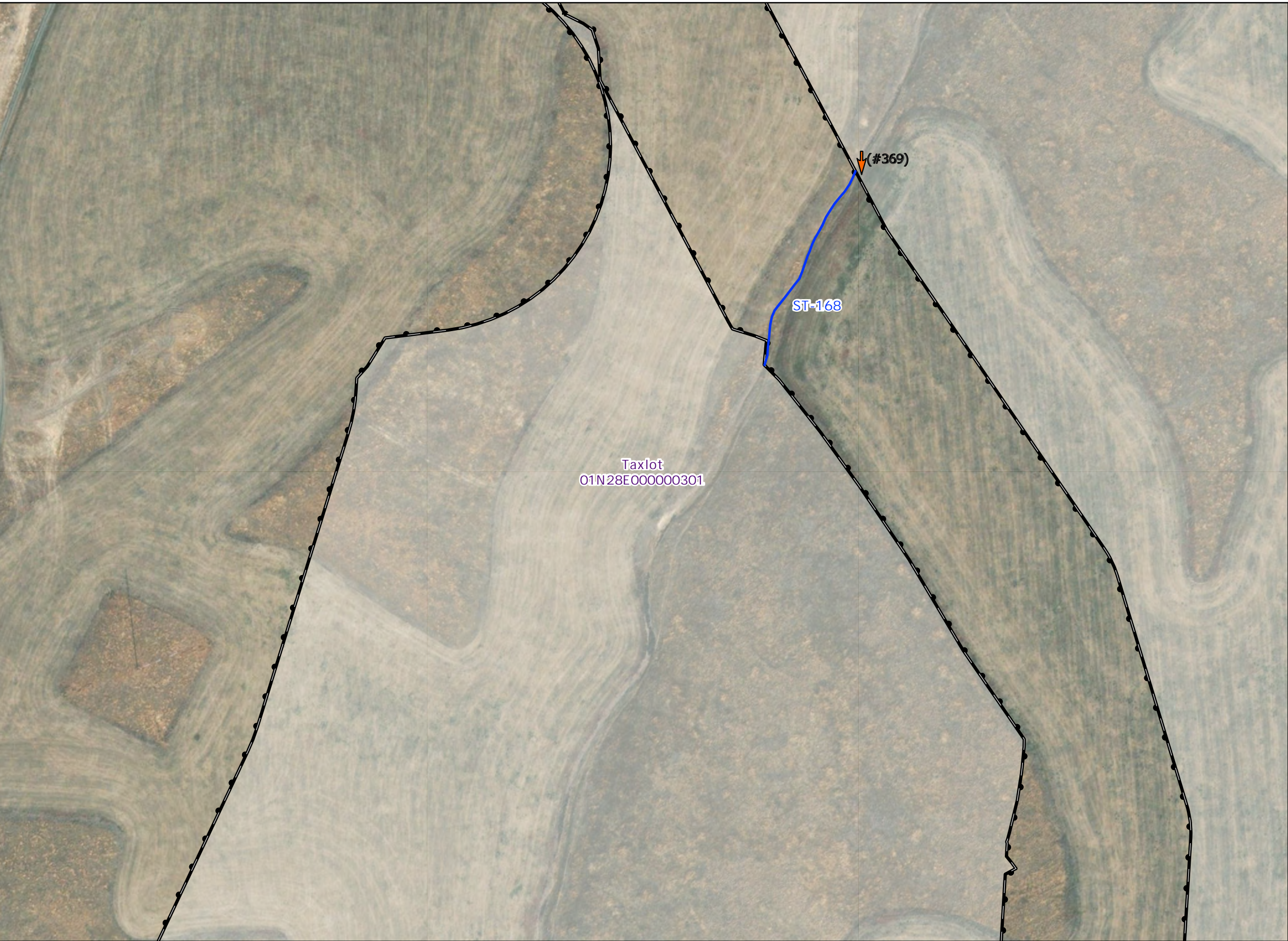


Data Sources Reference Map

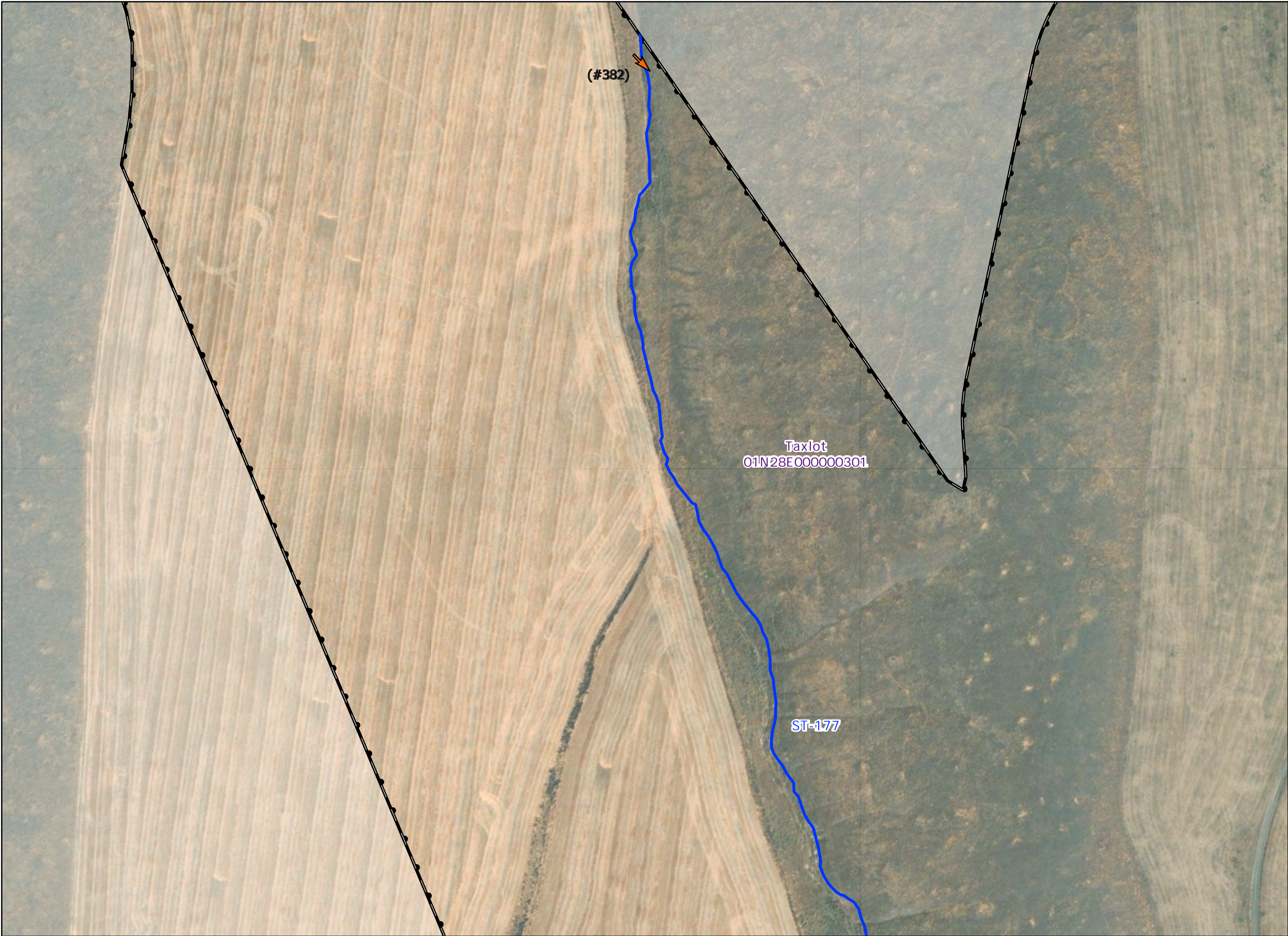
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Figure 5.3.17
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

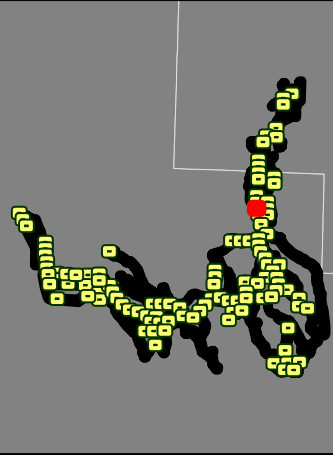
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N





0 50 100 200
Feet

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Wheatridge
Renewable
Energy Facility East

Figure 5.3.18
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

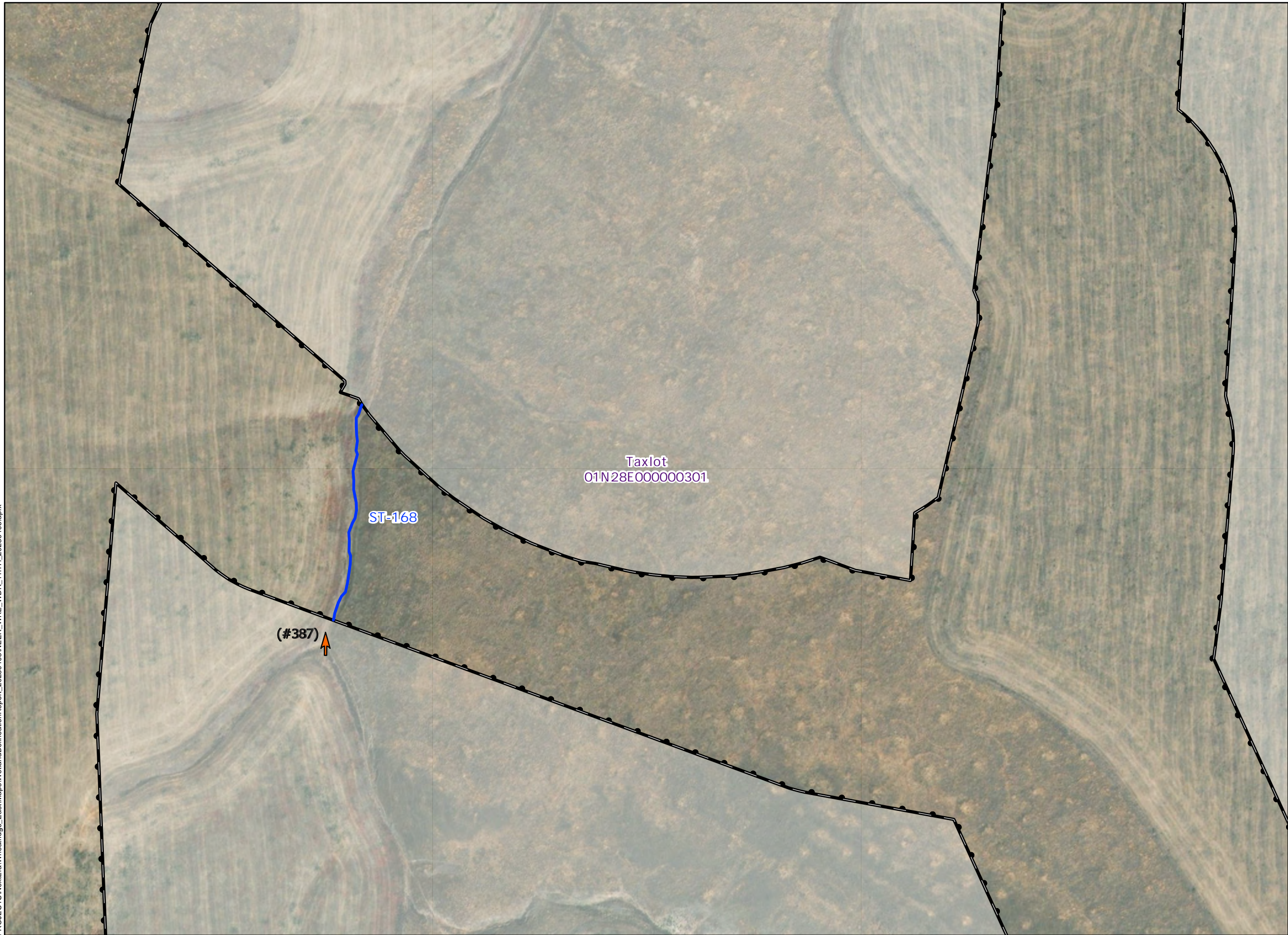
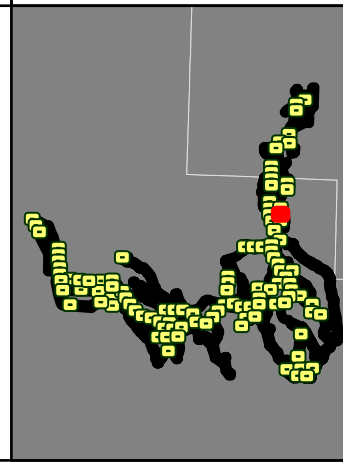
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

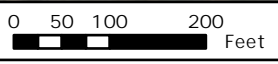
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1: 2,400

WGS 1984 UTM Zone 11N







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Figure 5.3.19
Wetland Delineation Map

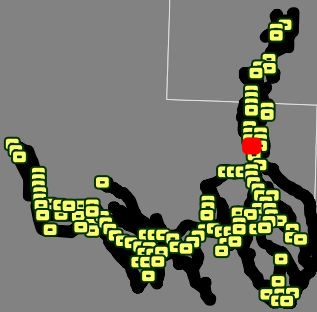
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



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1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200 Feet

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Wheatridge
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Figure 5.3.20
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

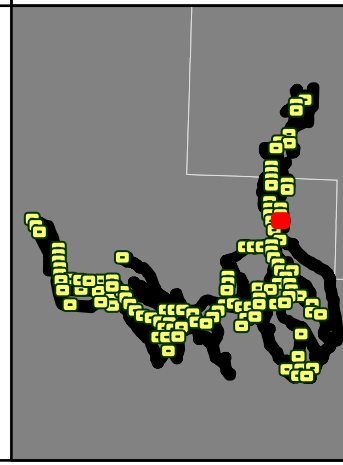
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



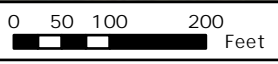
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge Renewable Energy Facility East

Figure 5.3.21
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

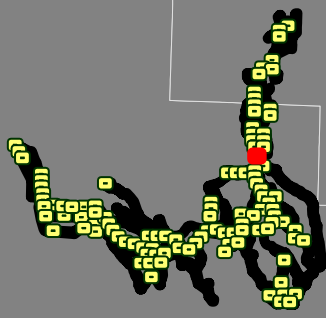
-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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

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Wheatridge Renewable Energy Facility East

Figure 5.3.22
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

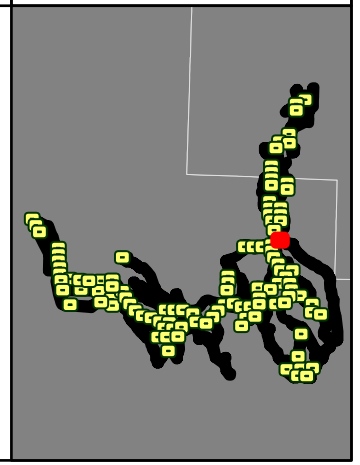
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map

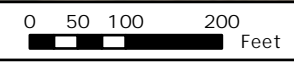


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1: 2,400

WGS 1984 UTM Zone 11N









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Wheatridge
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Figure 5.3.23
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
-  Survey Access
-  Access Granted

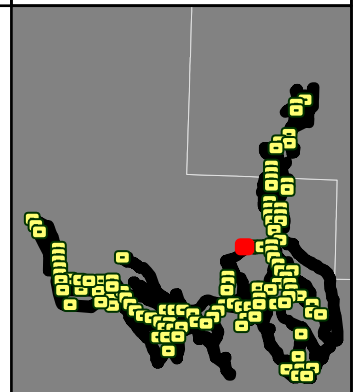
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge Renewable Energy Facility East

Figure 5.3.24
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

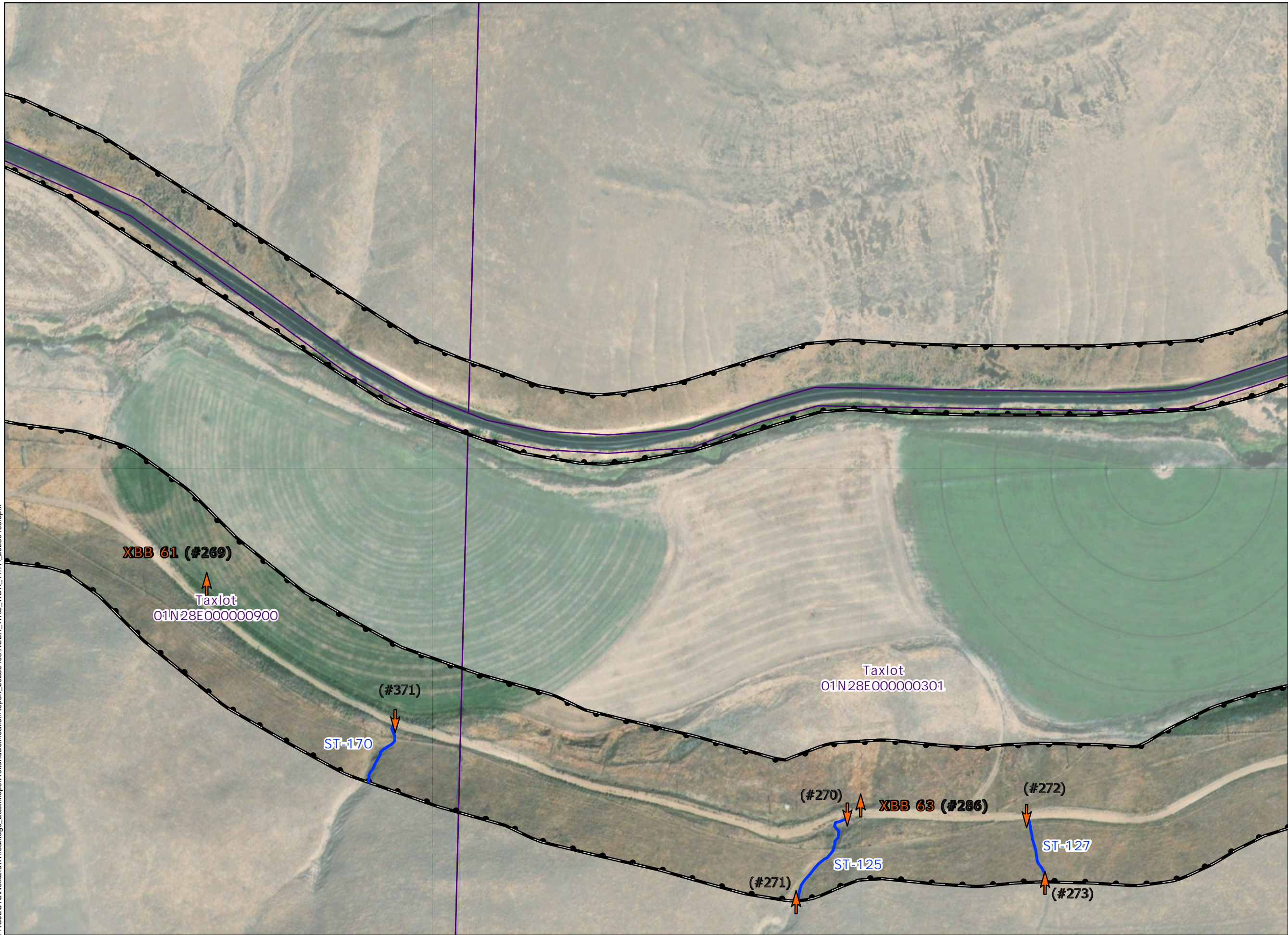
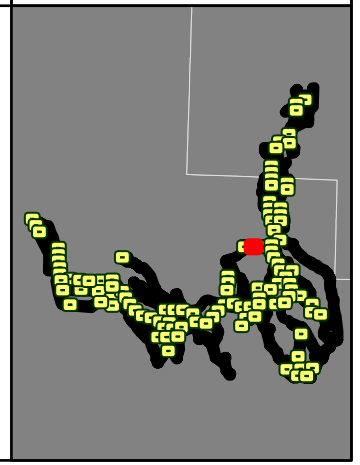
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

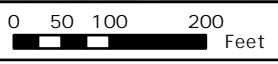
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1: 2, 400

WGS 1984 UTM Zone 11N








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Figure 5.3.25
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

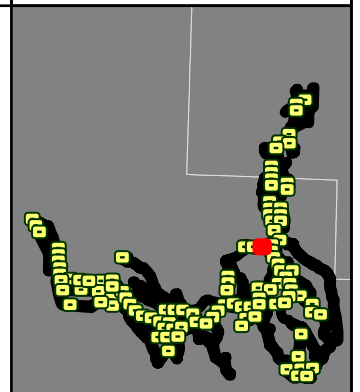
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Figure 5.3.26
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

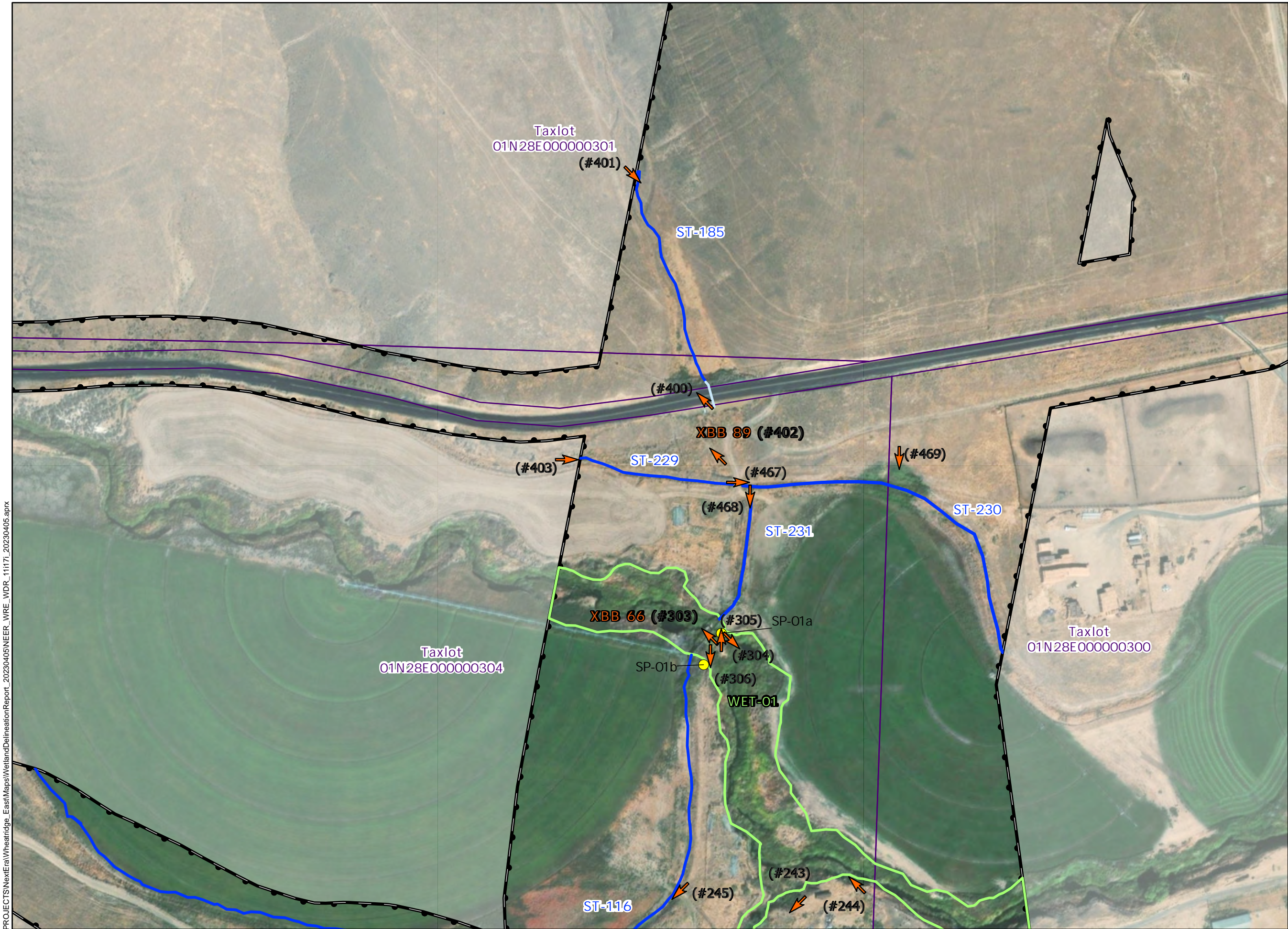
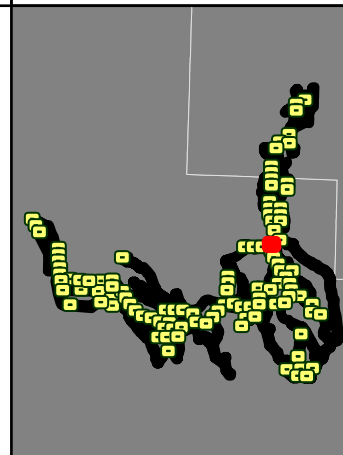
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Figure 5.3.27
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

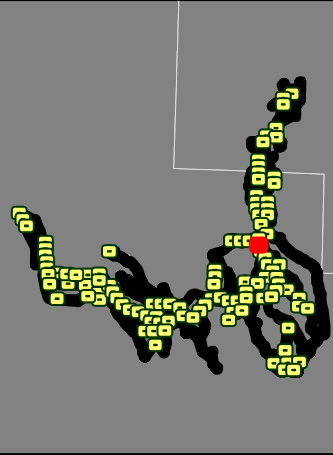
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

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Wheatridge
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Energy Facility East

Figure 5.4.28
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Survey Access
-  Access Granted

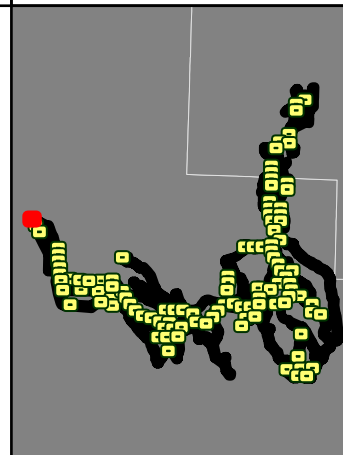
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

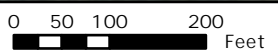


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1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge Renewable Energy Facility East

Figure 5.4.29
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

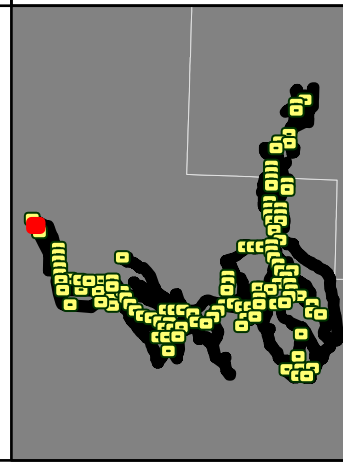
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Energy Facility East

Figure 5.4.30
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
- Survey Access
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

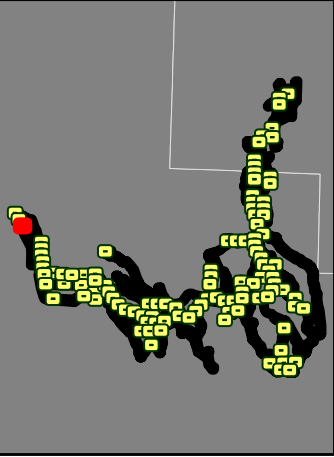
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



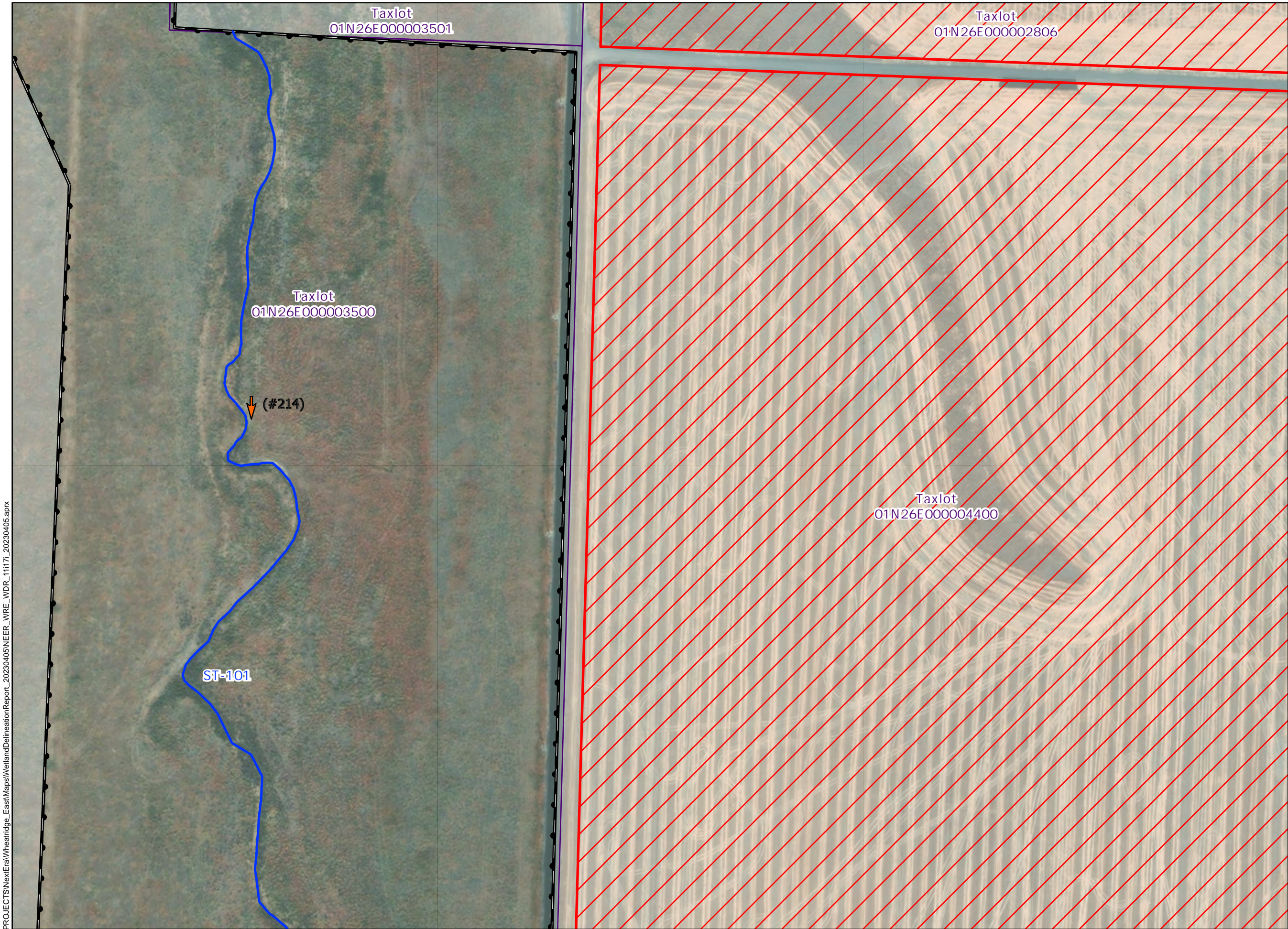
1: 2, 400

WGS 1984 UTM Zone 11N

0 50 100 200
Feet

NOT FOR CONSTRUCTION






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Wheatridge
Renewable
Energy Facility East

Figure 5.4.31
Wetland Delineation Map

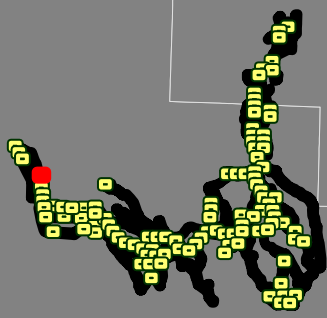
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



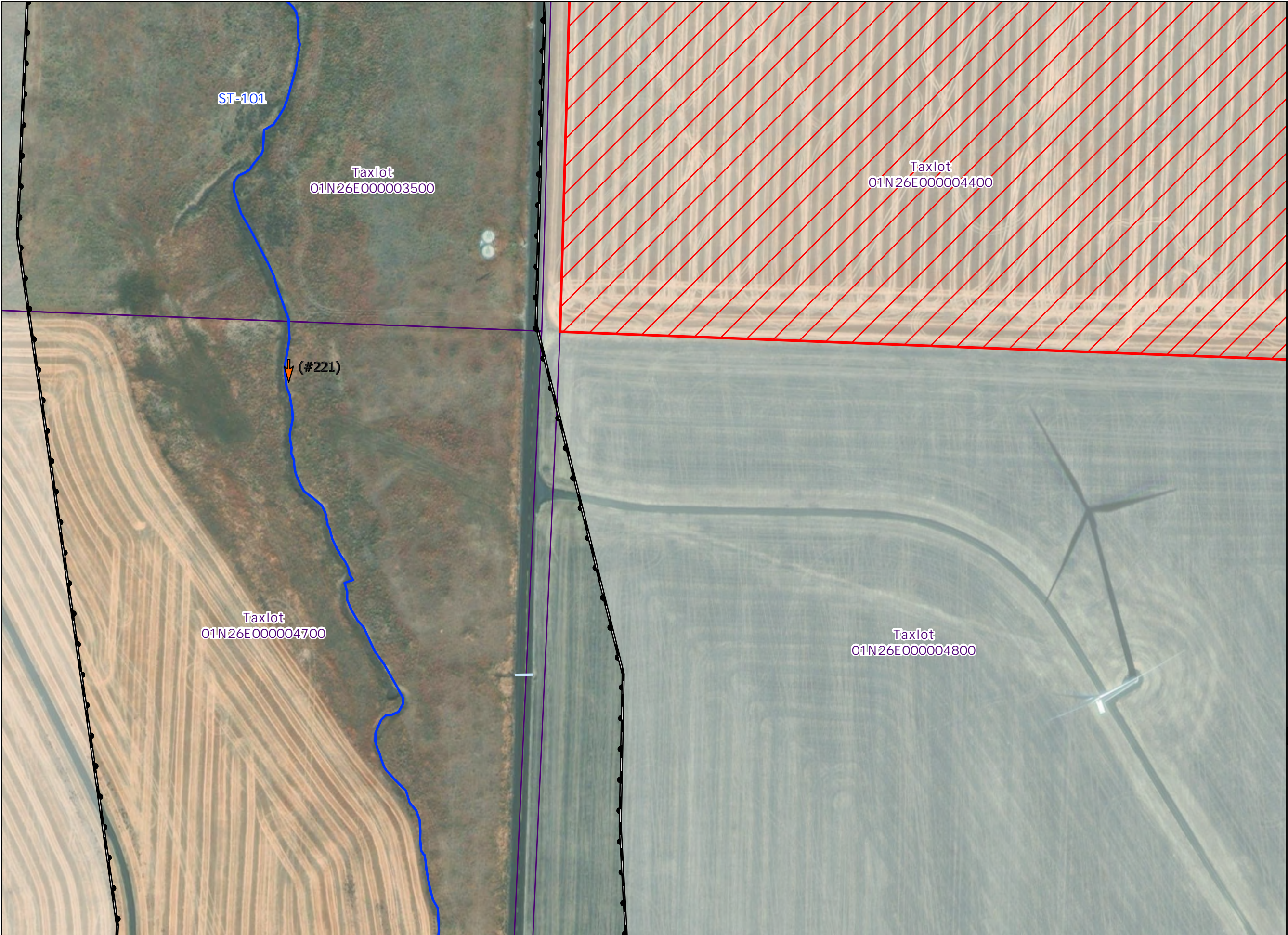
1: 2,400

WGS 1984 UTM Zone 11N

0 50 100 200 Feet

NOT FOR CONSTRUCTION

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Wheatridge
Renewable
Energy Facility East

Figure 5.5.32
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Culvert
- Field Delineated Stream
- Survey Access**
 - Access Not Granted
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

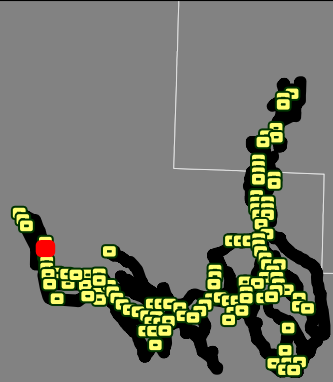
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.5.33
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

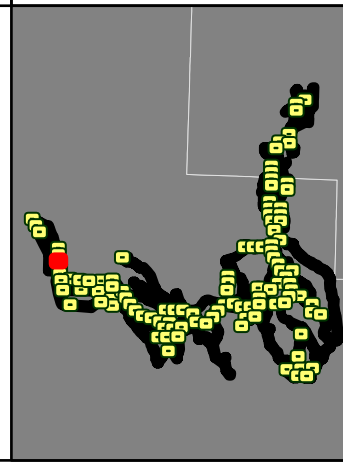
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

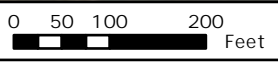


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1: 2, 400

WGS 1984 UTM Zone 11N







NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.5.34
Wetland Delineation Map

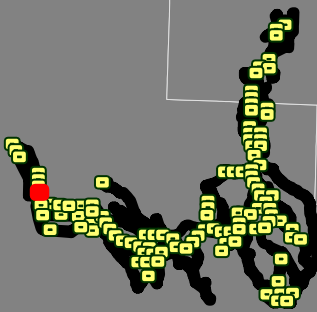
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



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1: 2,400

WGS 1984 UTM Zone 11N

0 50 100 200 Feet

NOT FOR CONSTRUCTION




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Wheatridge
Renewable
Energy Facility East

Figure 5.5.35
Wetland Delineation Map

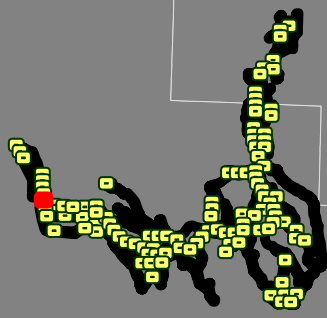
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Field Delineated Stream
- Survey Access
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.

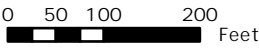


Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge Renewable Energy Facility East

Figure 5.5.36
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic







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Wheatridge Renewable Energy Facility East

Figure 5.5.37
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Desktop Delineated Stream
-  Survey Access
-  Access Not Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

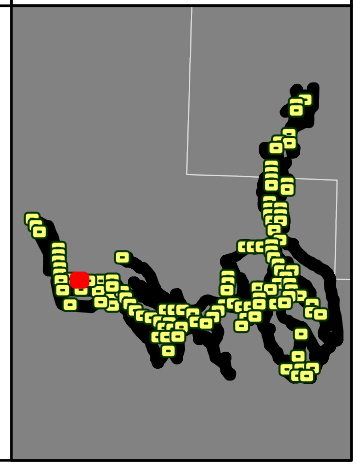
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



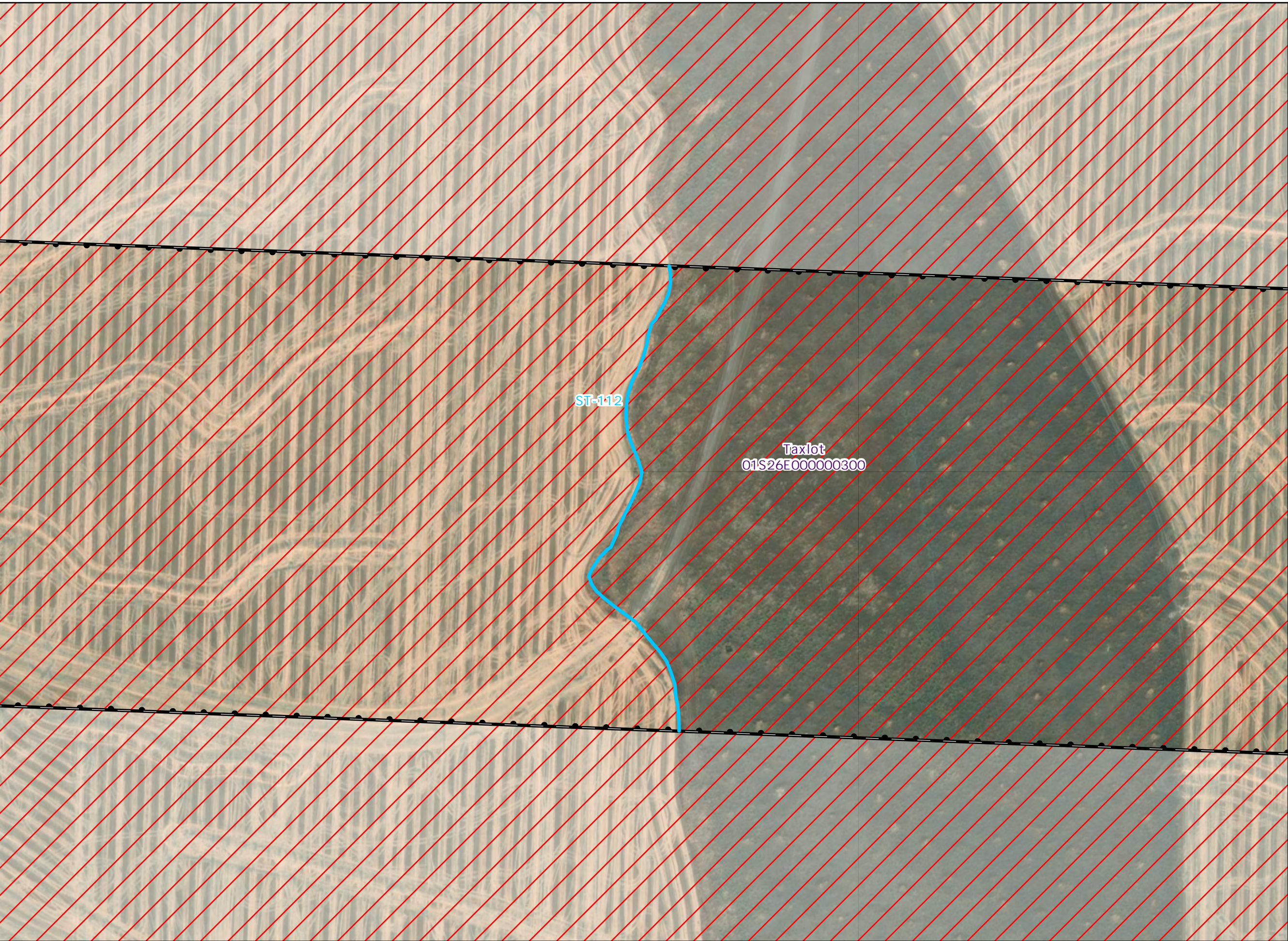
Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map







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Wheatridge
Renewable
Energy Facility East

Figure 5.5.38
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Desktop Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

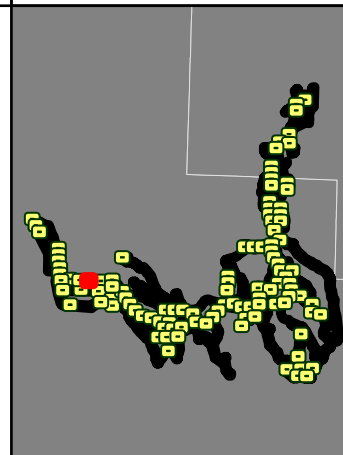
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources

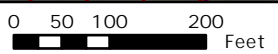
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge
Renewable
Energy Facility East

Figure 5.5.39
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

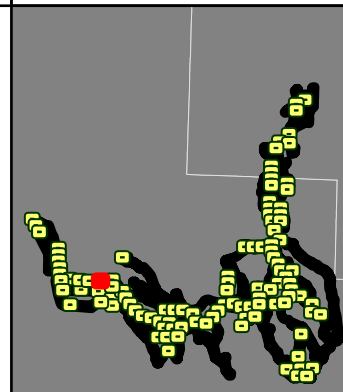
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

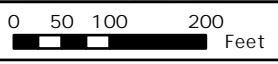


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1: 2,400

WGS 1984 UTM Zone 11N







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Wheatridge
Renewable
Energy Facility East

Figure 5.5.40
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

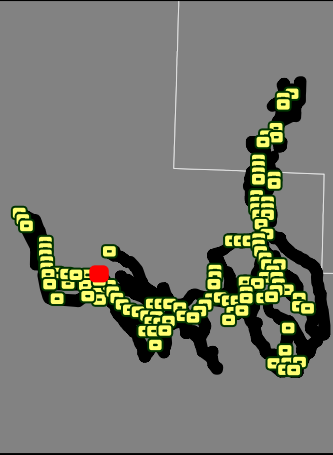
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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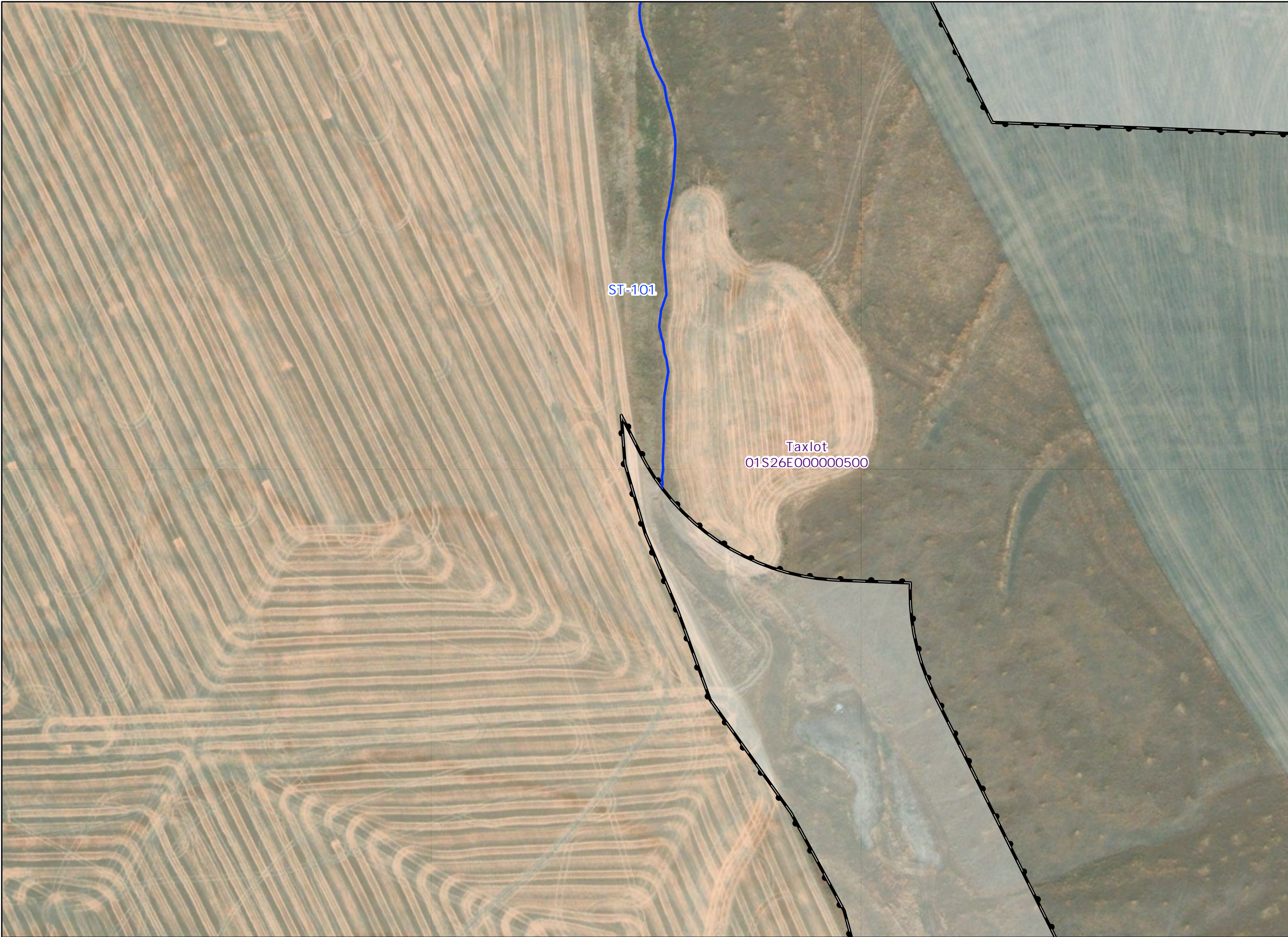
1: 2,400

WGS 1984 UTM Zone 11N

0 50 100 200 Feet

NOT FOR CONSTRUCTION




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Wheatridge
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Figure 5.5.41
Wetland Delineation Map

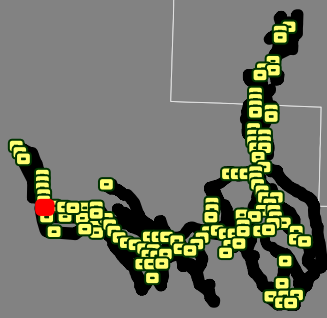
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Field Delineated Stream
- Survey Access
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2, 400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.5.42
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
- Survey Access
 -  Access Granted

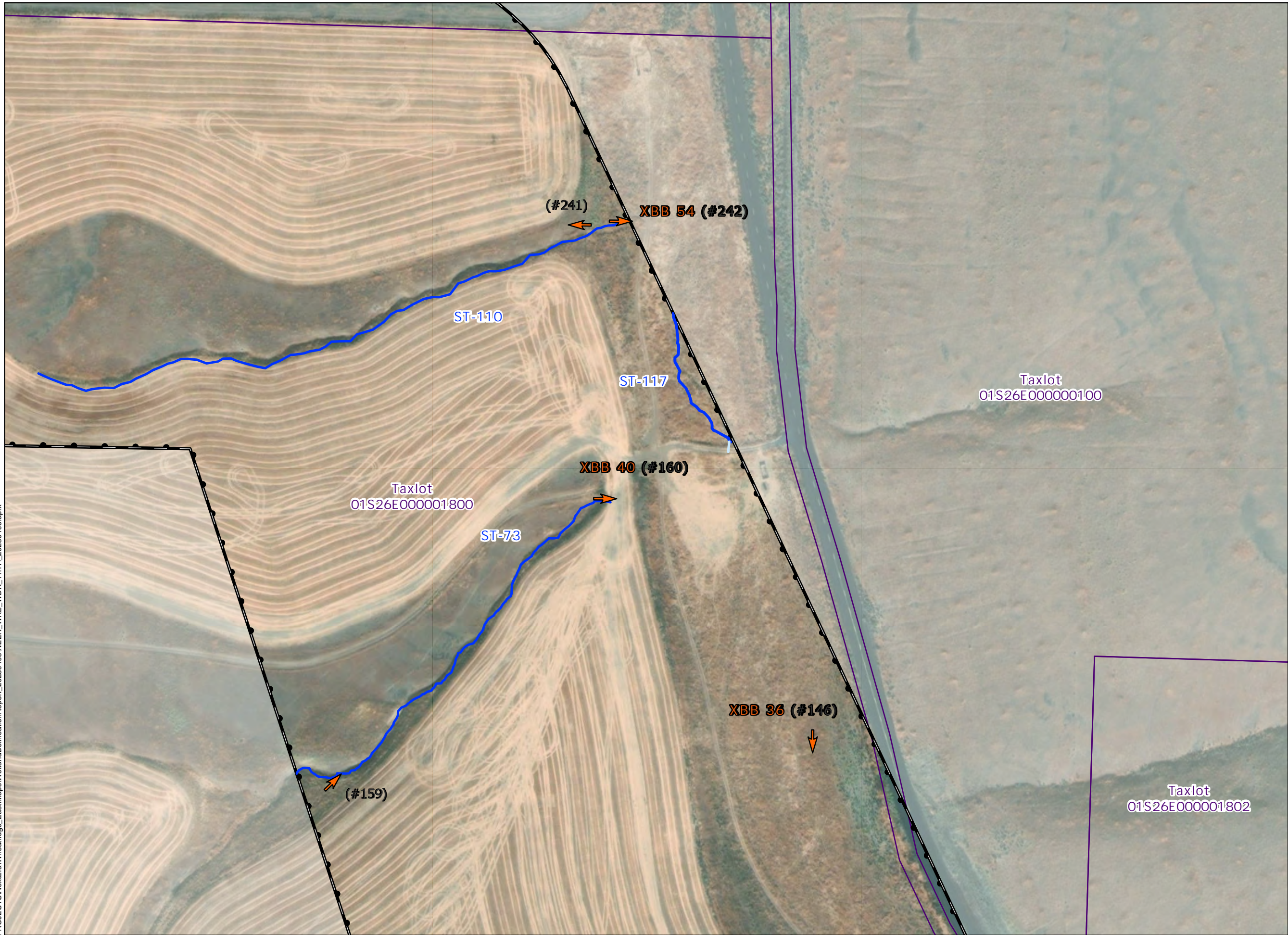
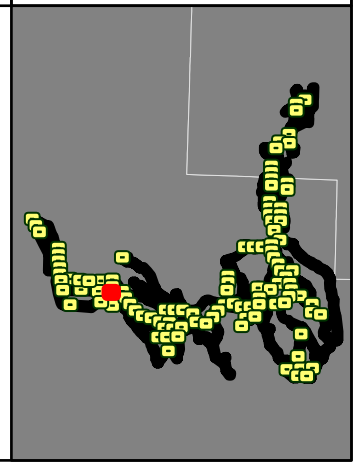
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge Renewable Energy Facility East

Figure 5.5.43
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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




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Wheatridge
Renewable
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Figure 5.5.44
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Not Granted
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

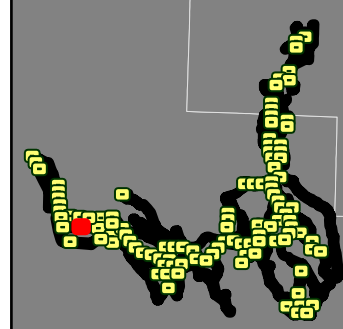
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map








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Wheatridge
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Energy Facility East

Figure 5.5.45
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

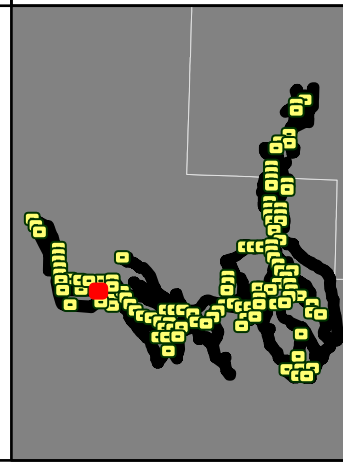
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



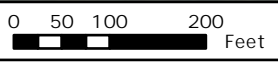
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

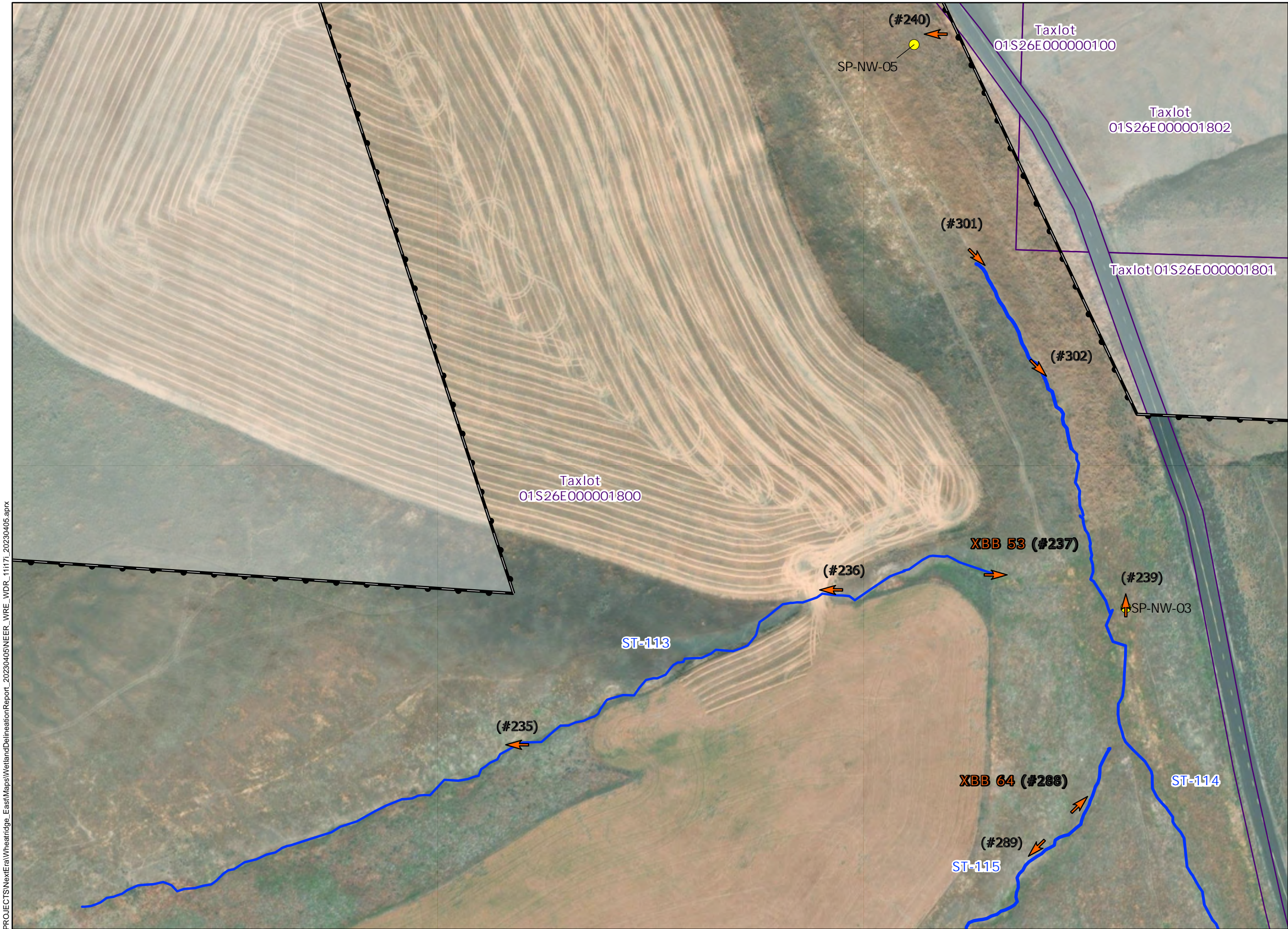
WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.5.46
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Survey Access
- Access Granted

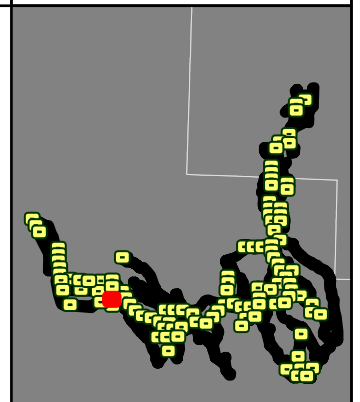
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



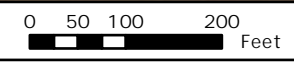
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



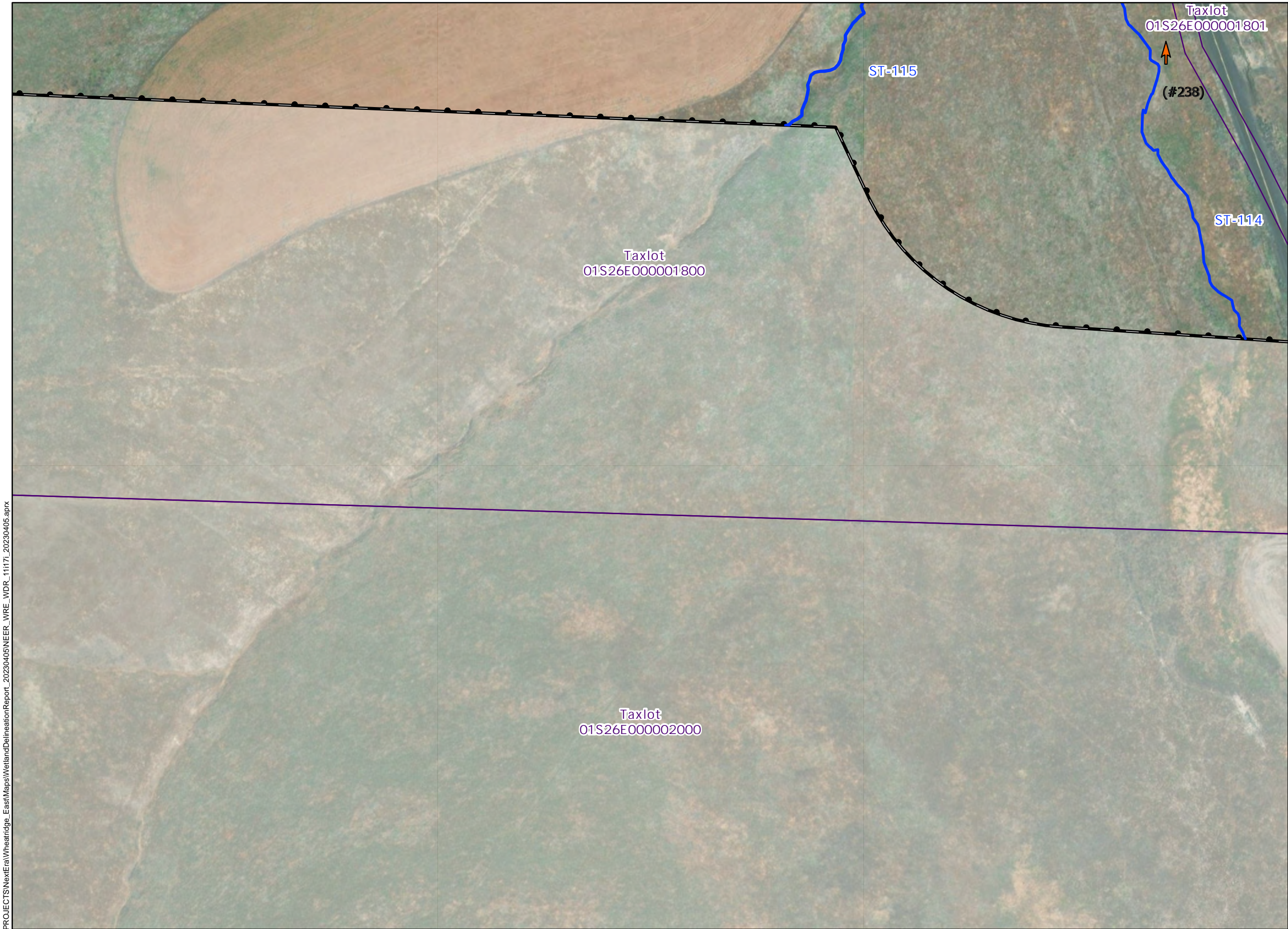
1: 2,400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.5.47
Wetland Delineation Map

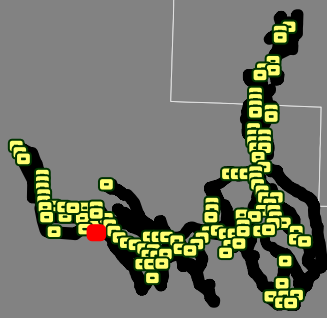
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2,400

WGS 1984 UTM Zone 11N







0 50 100 200 Feet

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.5.48
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

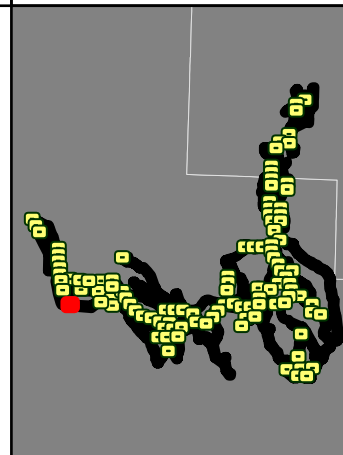
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

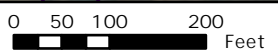


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1: 2,400

WGS 1984 UTM Zone 11N








NOT FOR CONSTRUCTION

Wheatridge
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Energy Facility East

Figure 5.5.49
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

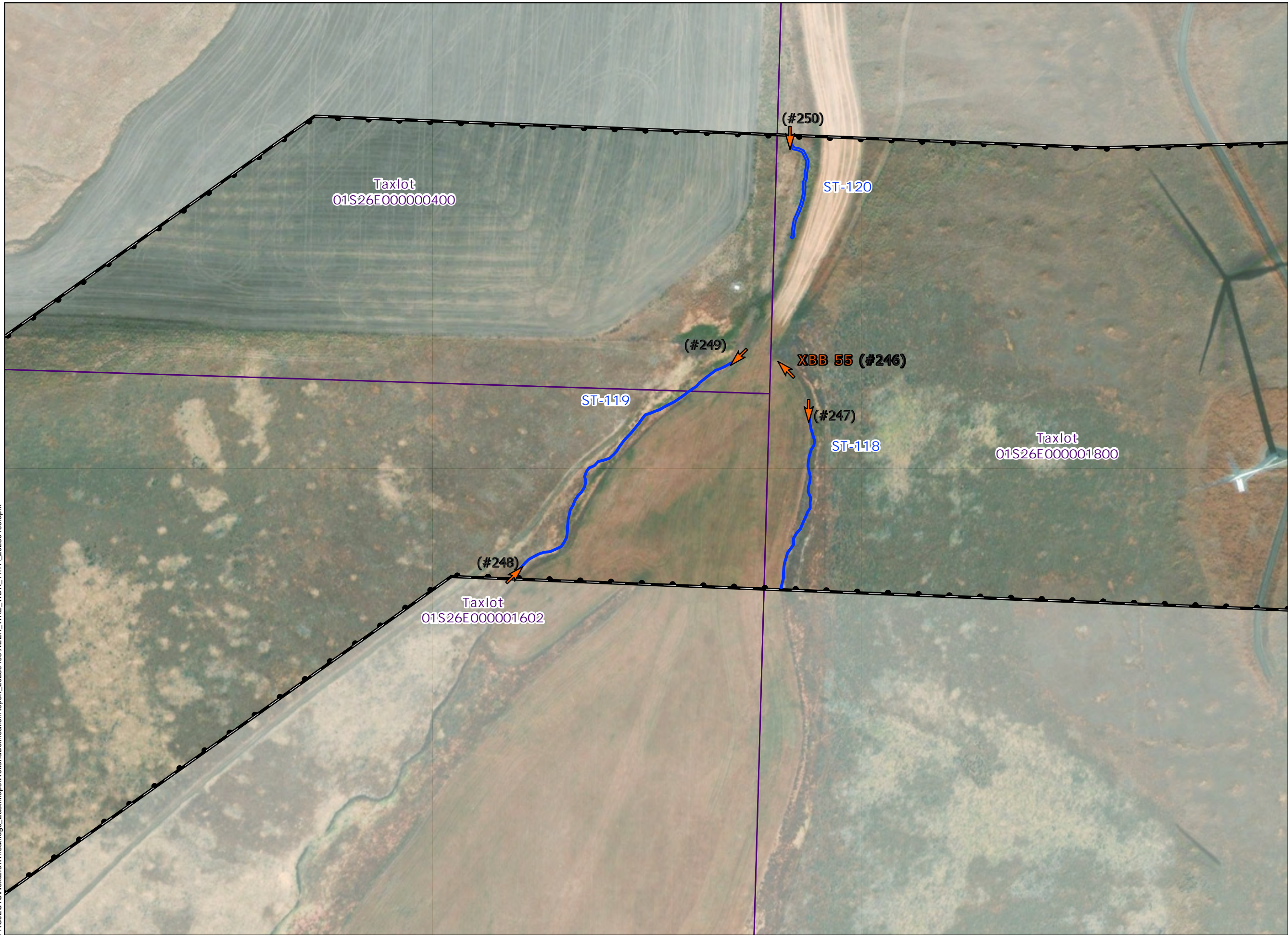
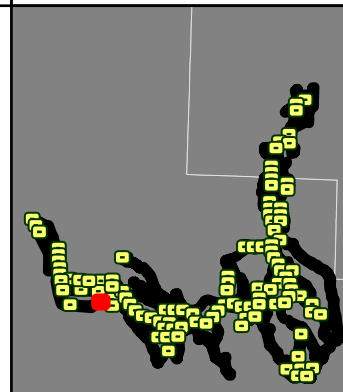
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

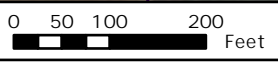


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1: 2,400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.5.50
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
-  Survey Access
-  Access Granted

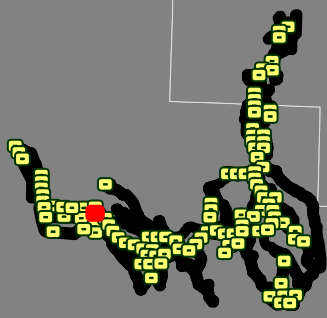
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources Reference Map

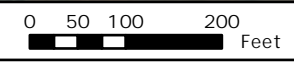
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic





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WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.6.51
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
 -  Access Not Granted
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



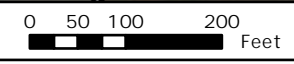
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads:
ESRI-Topographic



1: 2, 400

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Wheatridge Renewable Energy Facility East

Figure 5.6.52
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

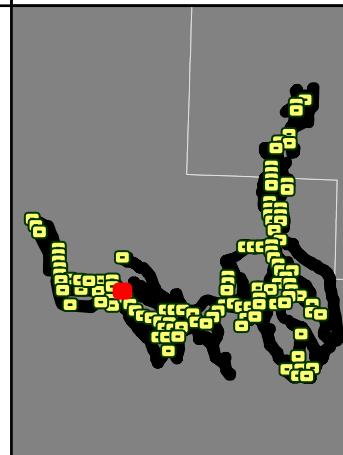
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

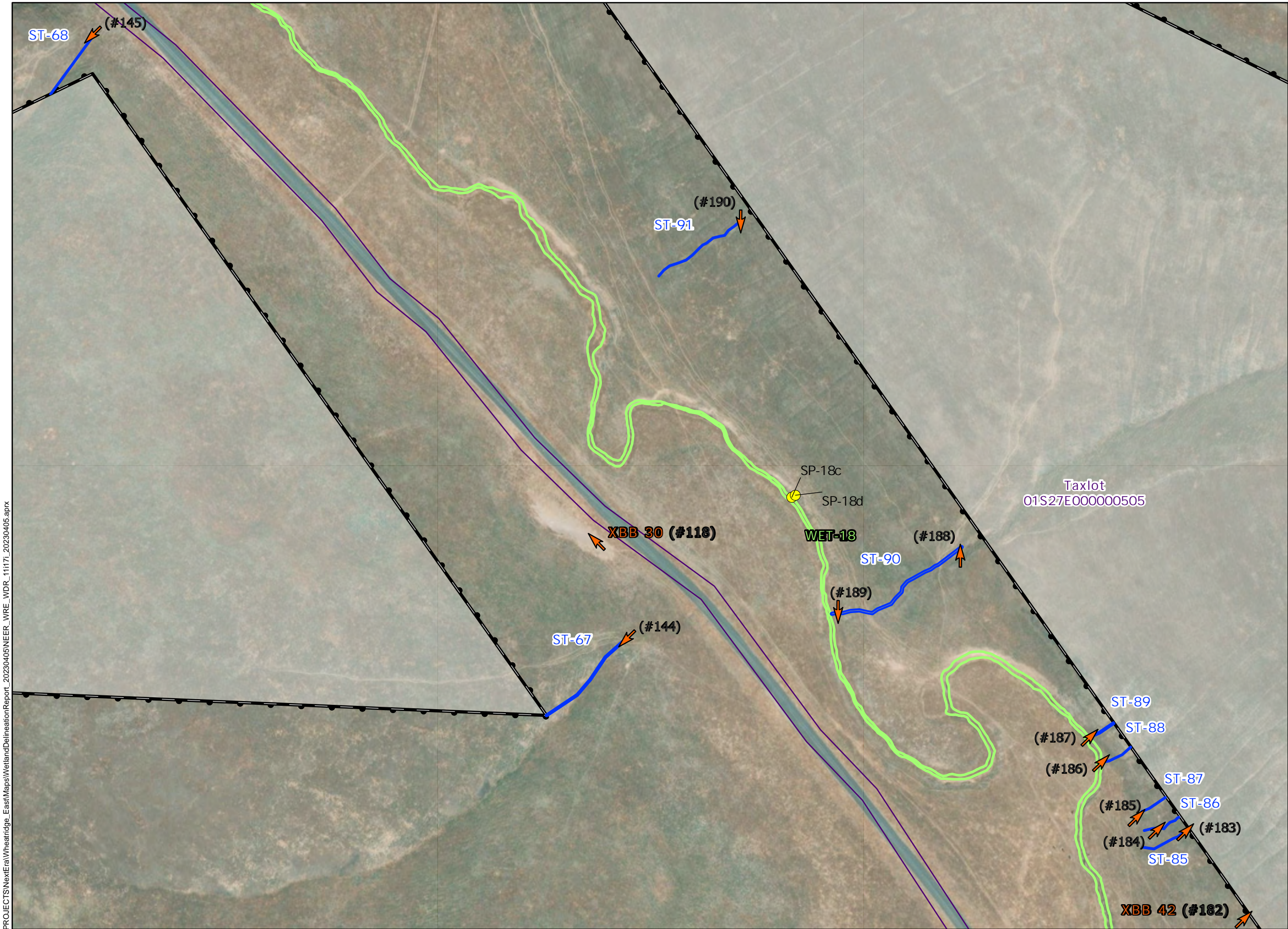
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.6.53 Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

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


Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.6.54
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
-  Survey Access
-  Access Granted

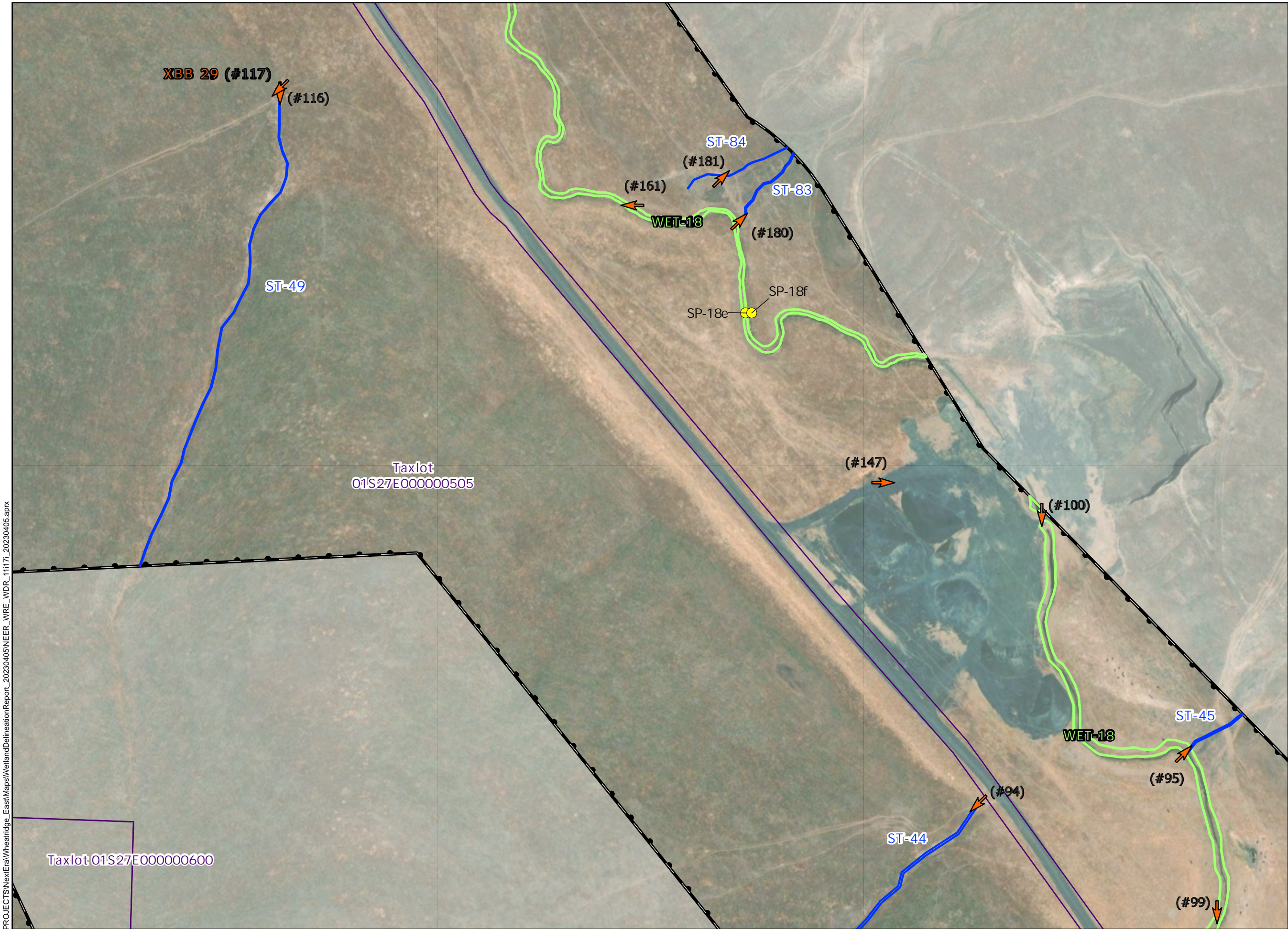
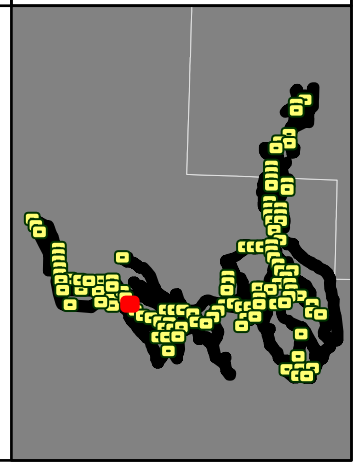
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic






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Wheatridge
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Energy Facility East

Figure 5.6.55
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
-  Access Granted

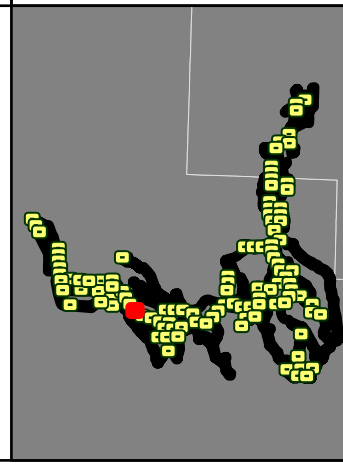
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Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

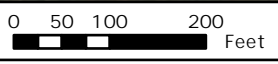


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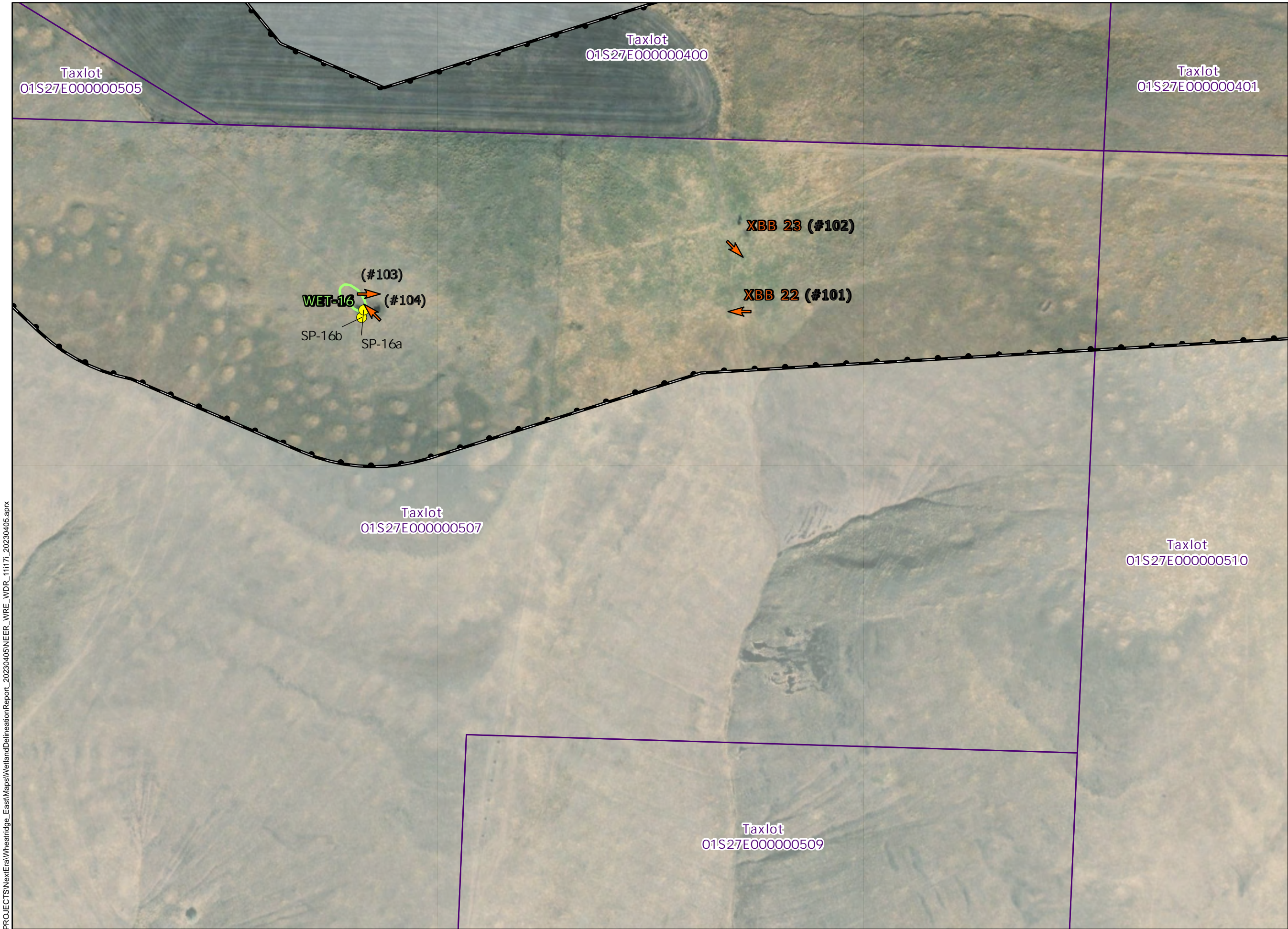
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Wheatridge Renewable Energy Facility East

Figure 5.6.56
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Wetland
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



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WGS 1984 UTM Zone 11N







0 50 100 200 Feet

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Figure 5.6.57
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

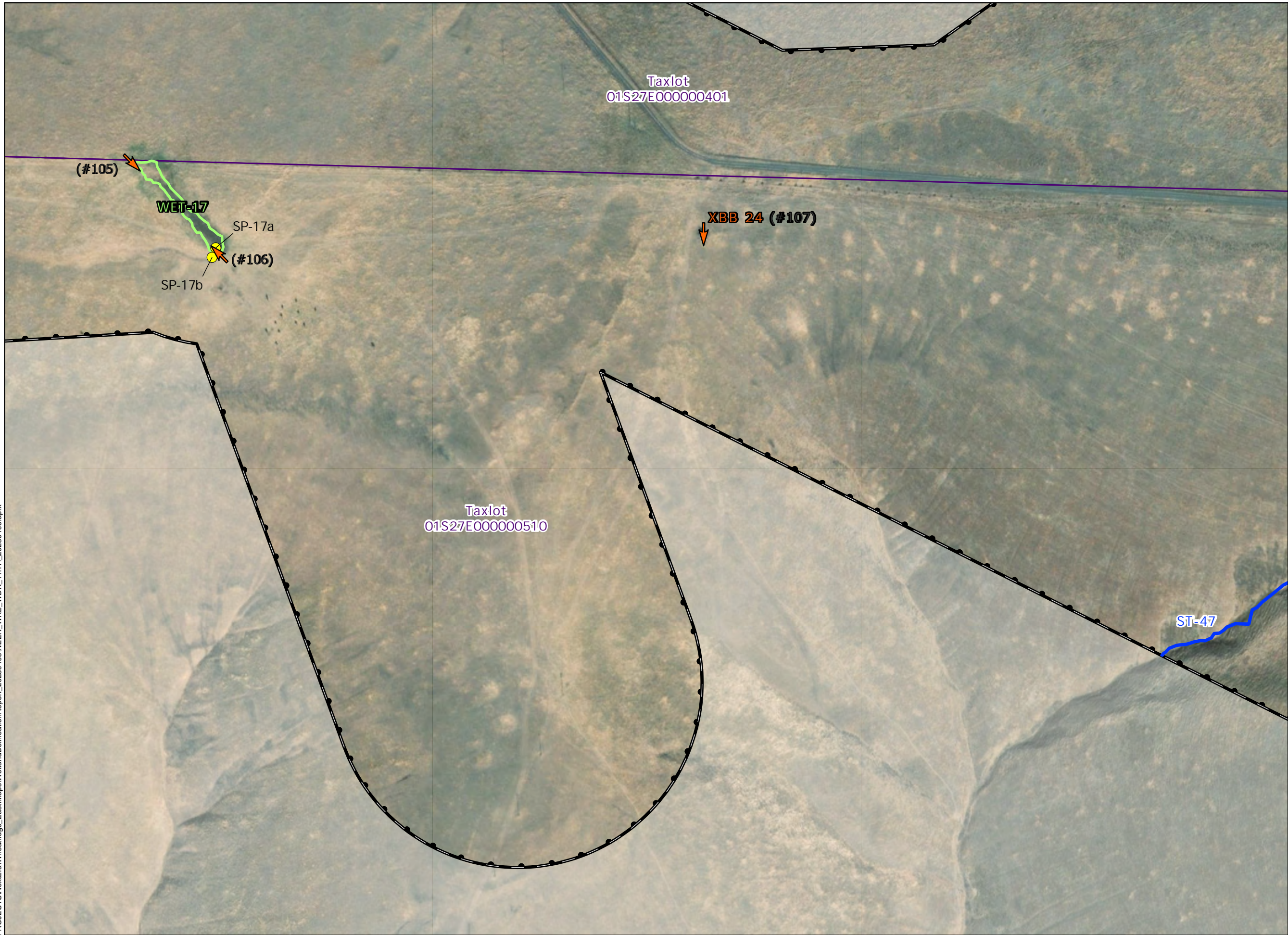
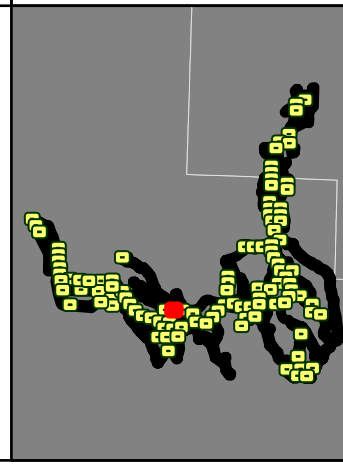
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

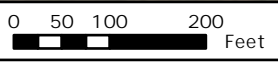


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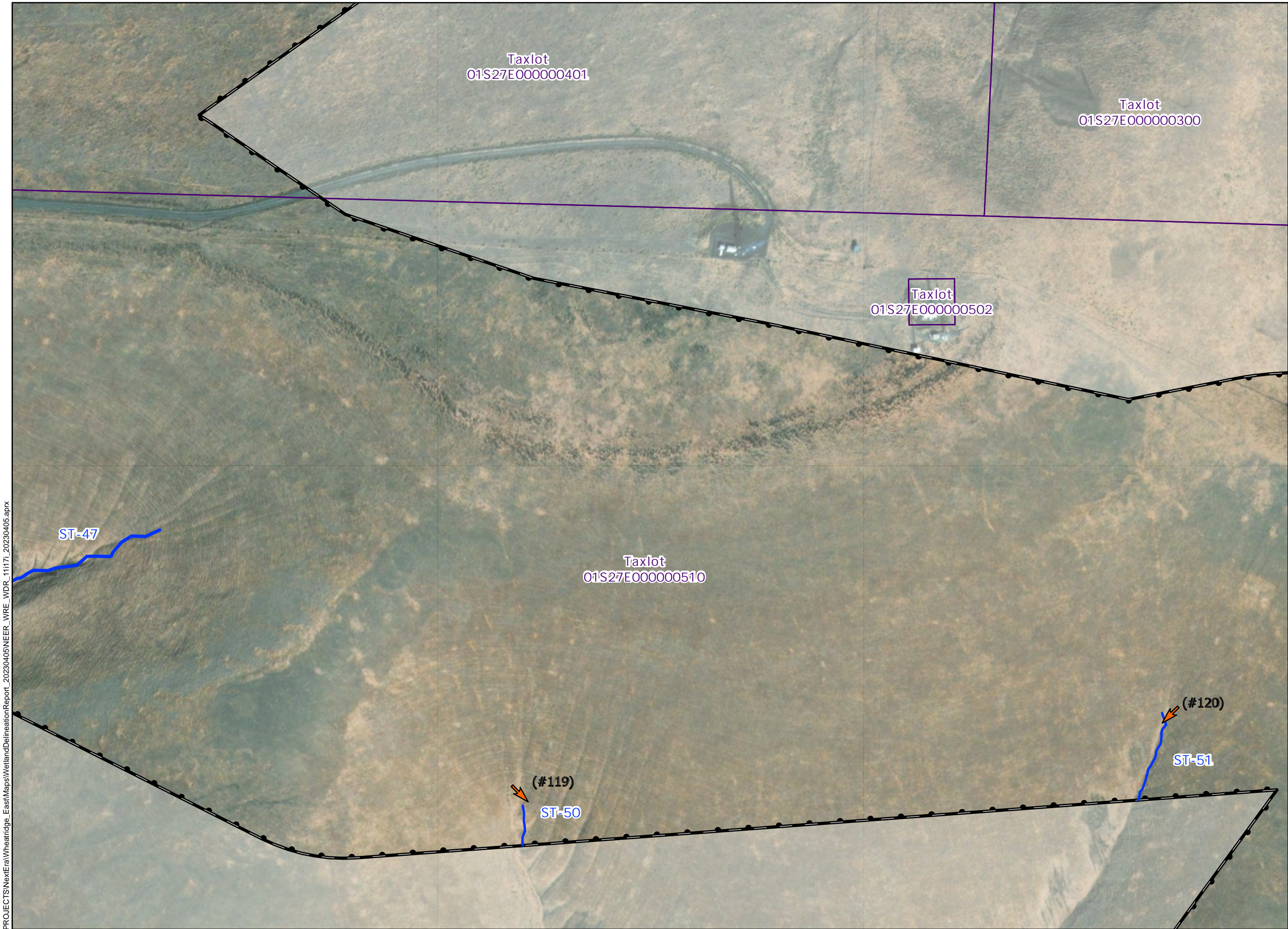
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WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.6.58
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

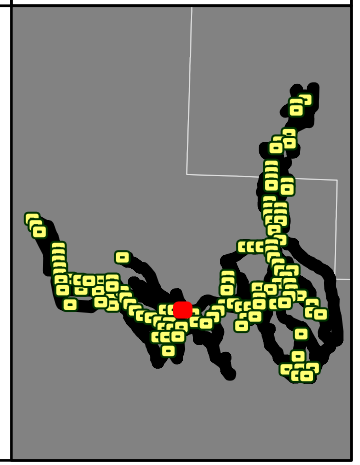
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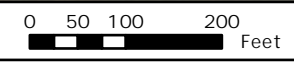
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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WGS 1984 UTM Zone 11N








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Wheatridge Renewable Energy Facility East

Figure 5.6.59
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

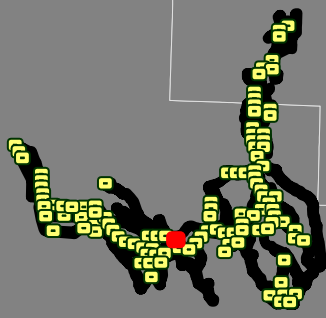
-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

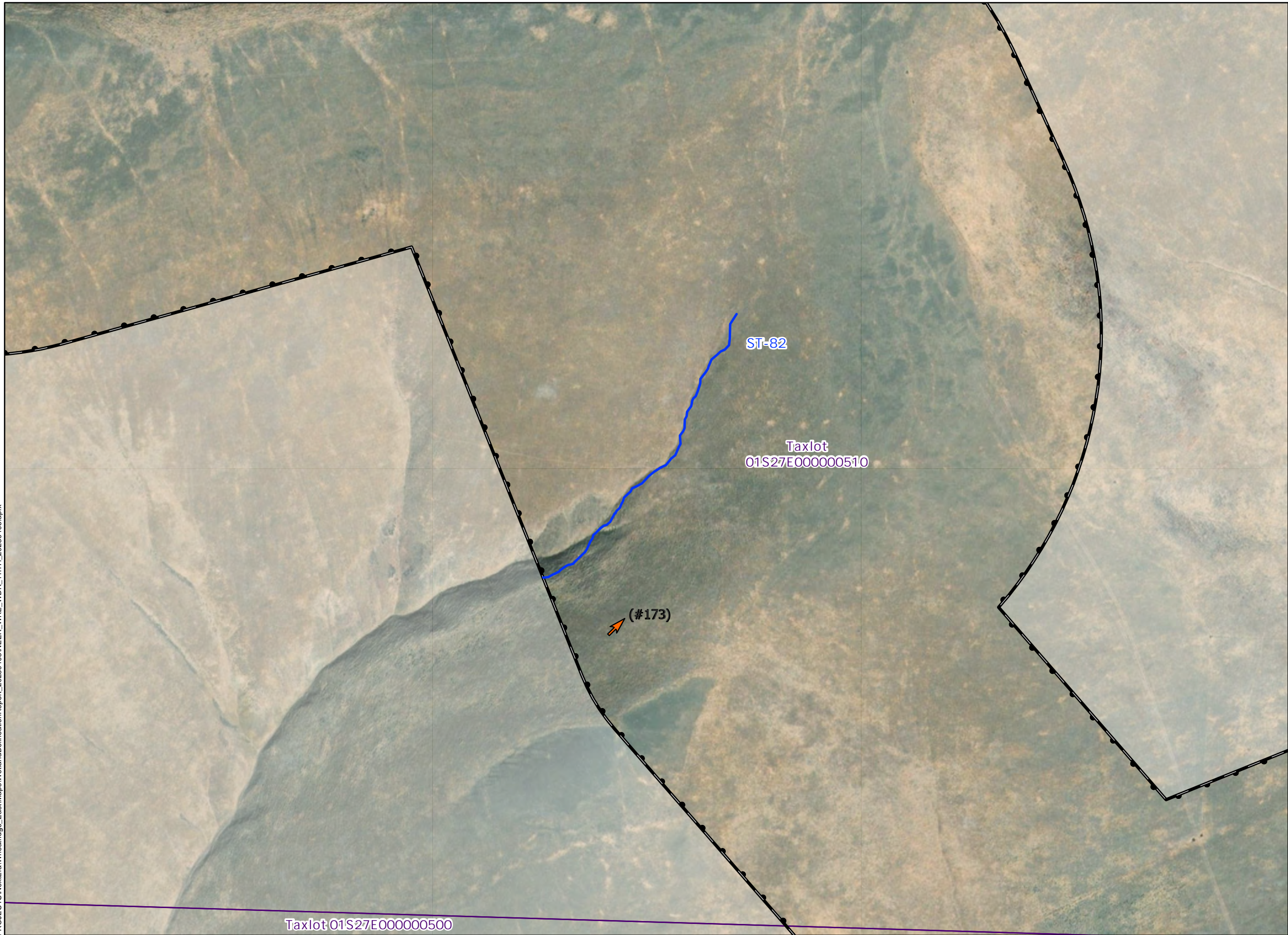
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Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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Figure 5.6.60
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
-  Access Granted

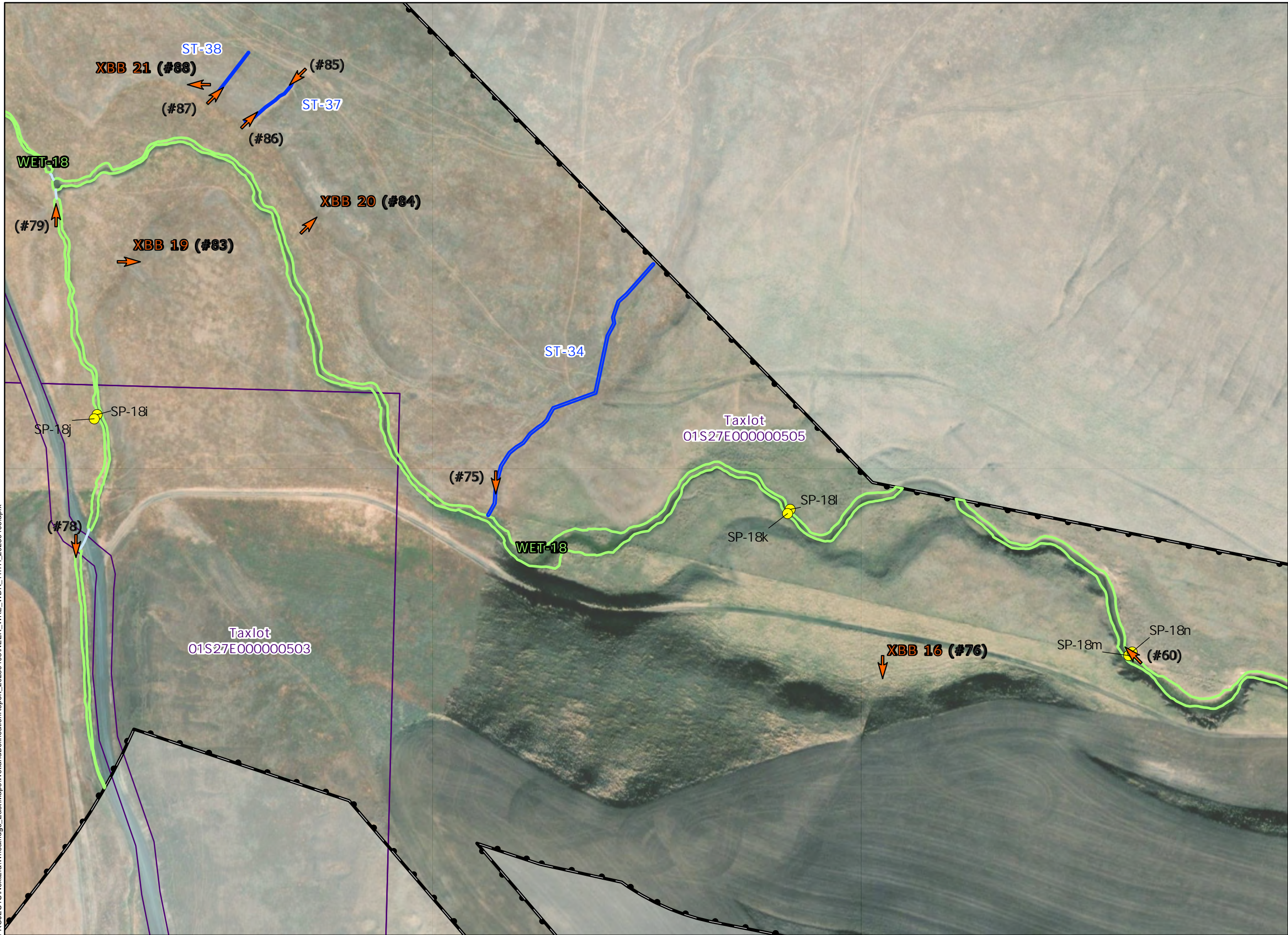
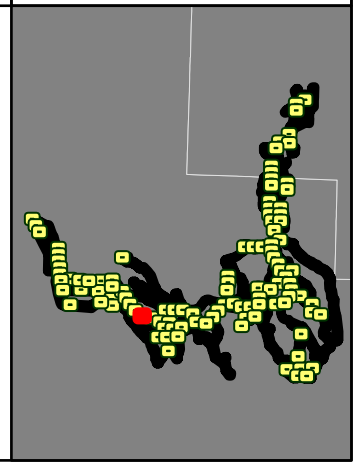
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Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.7.61
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

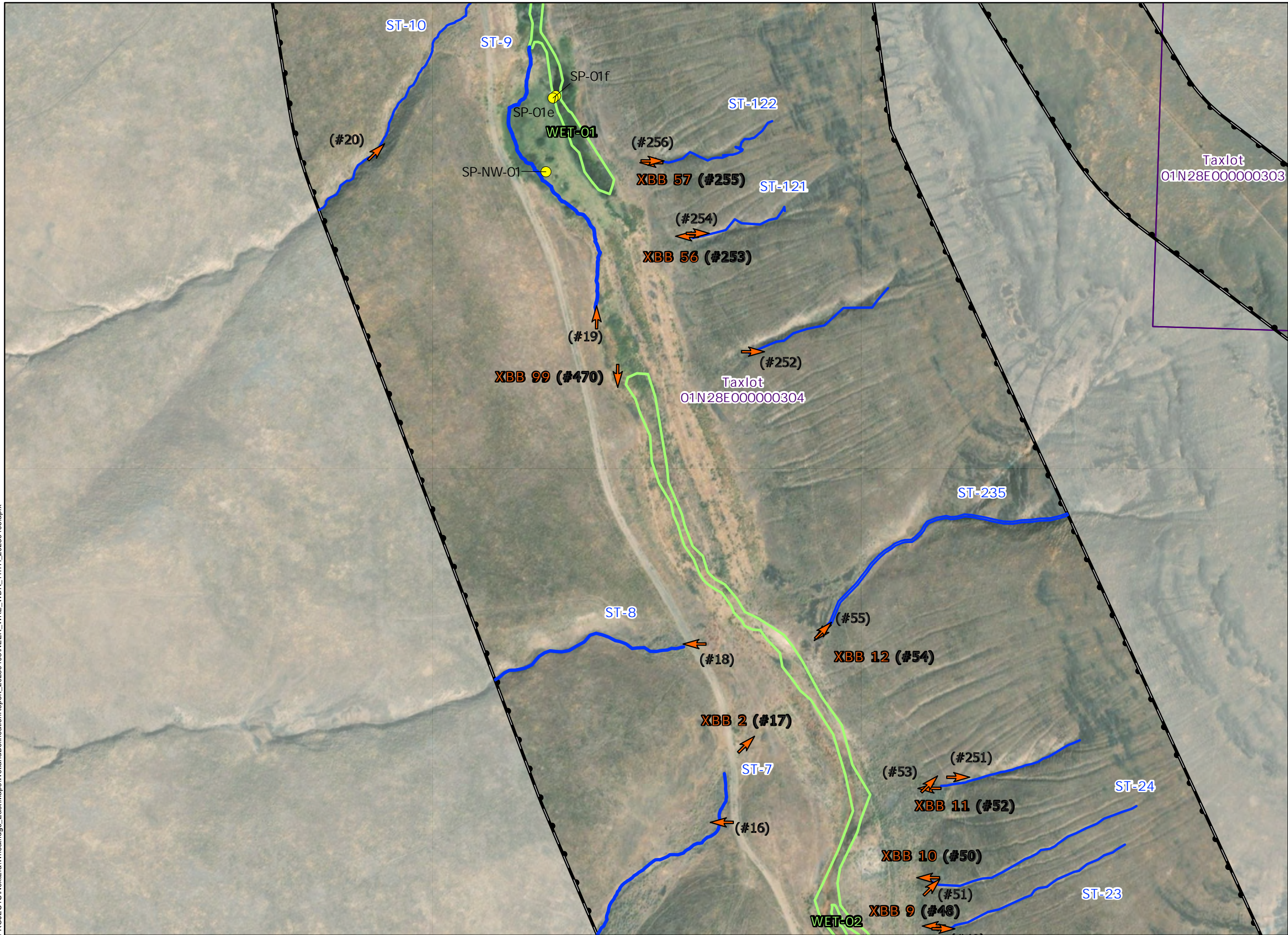
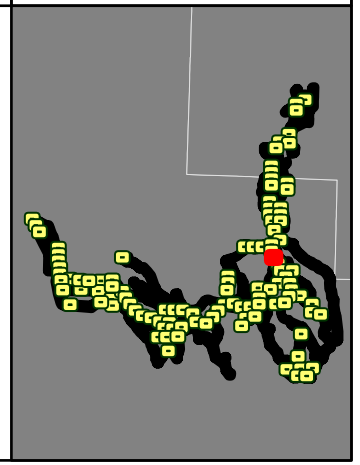
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.7.62
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

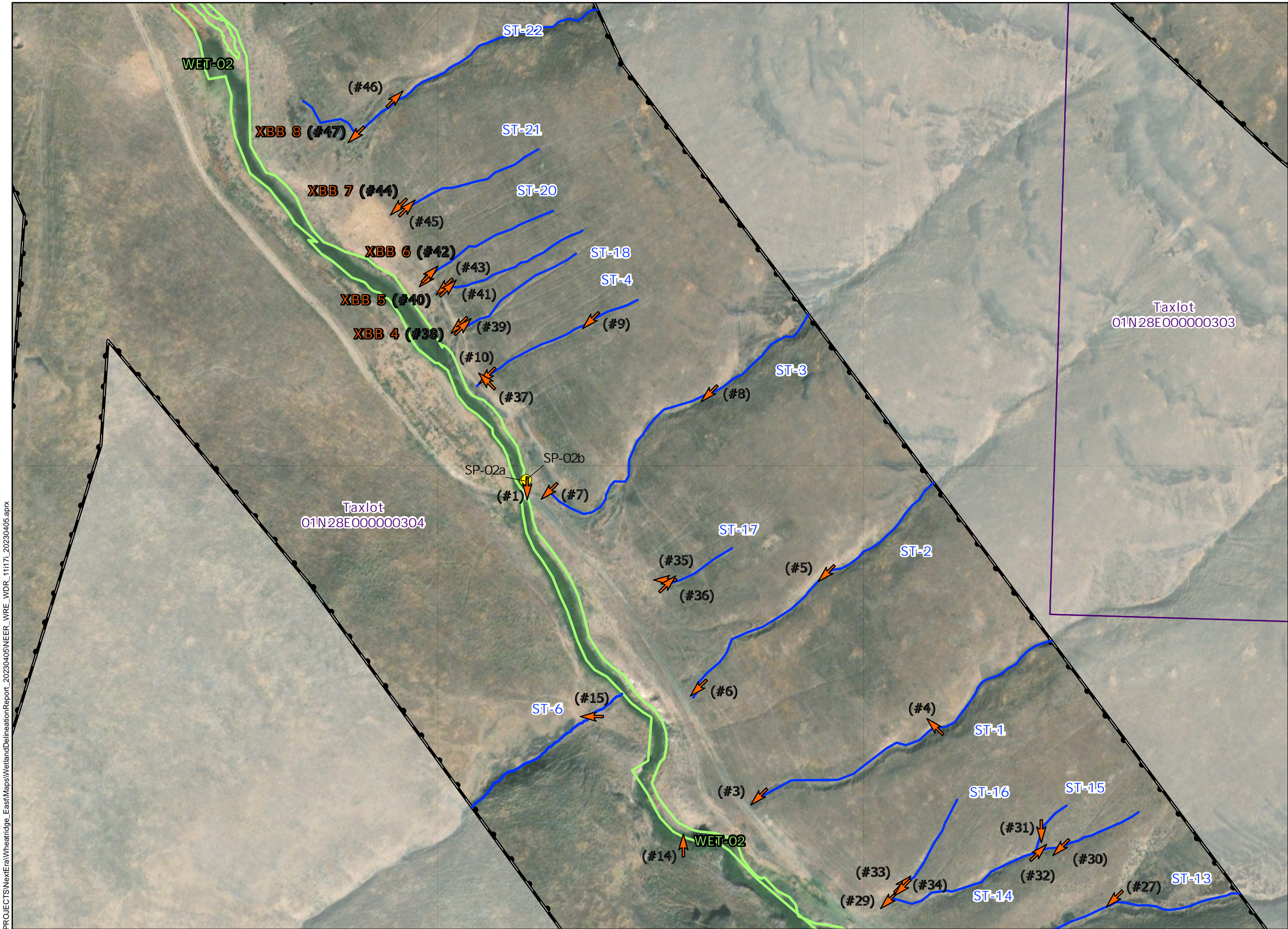
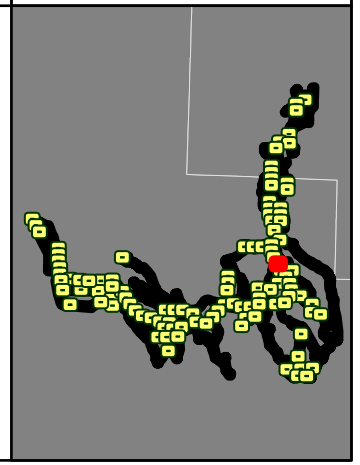
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.7.63
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

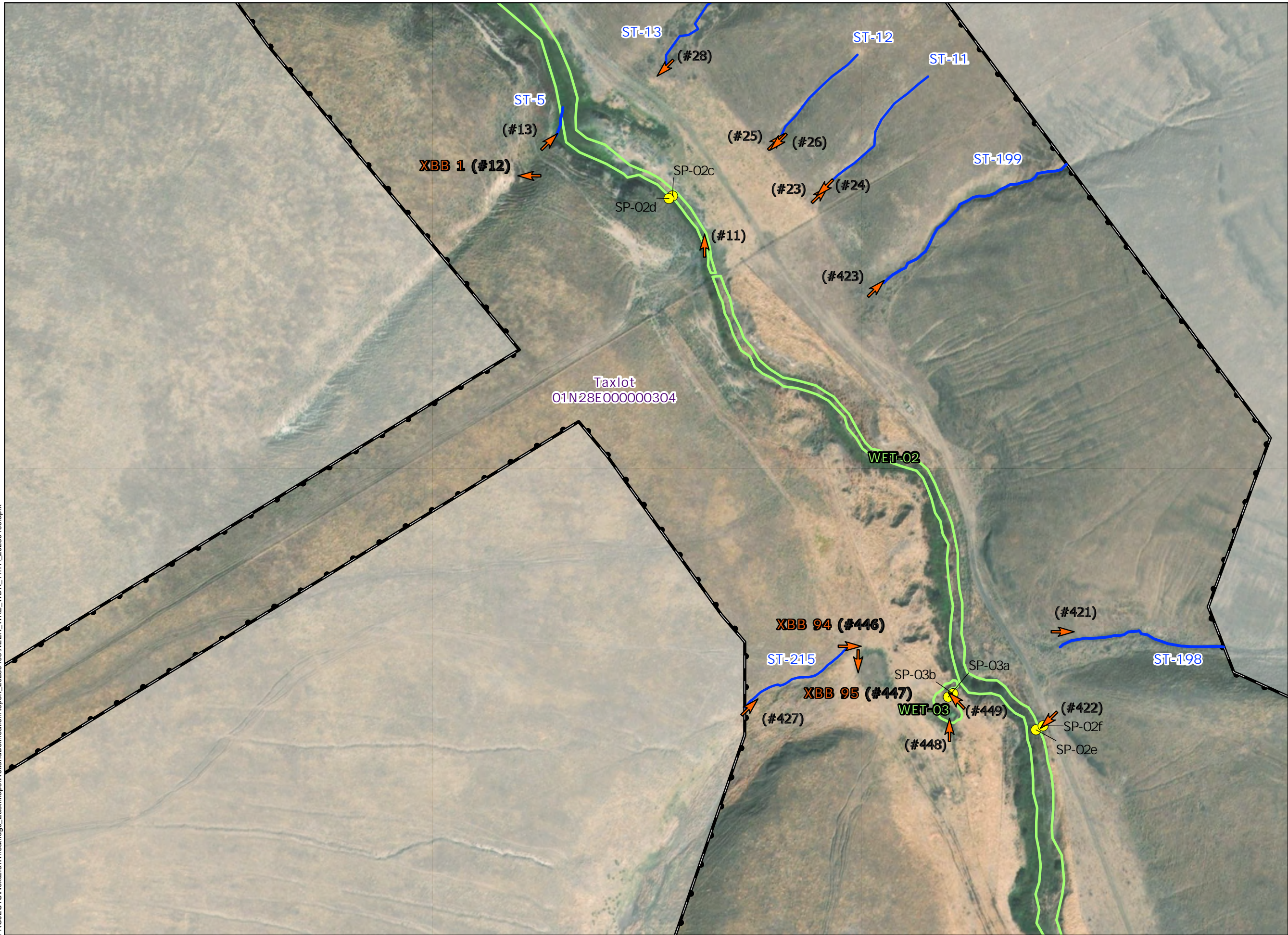
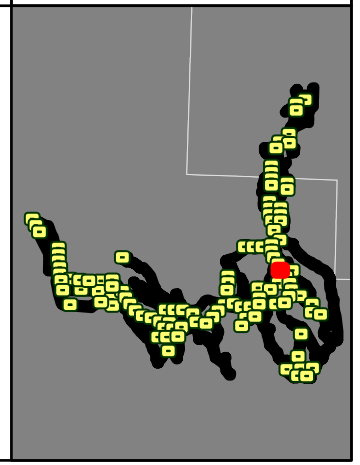
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Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic









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Figure 5.7.64
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
- Survey Access
-  Access Granted

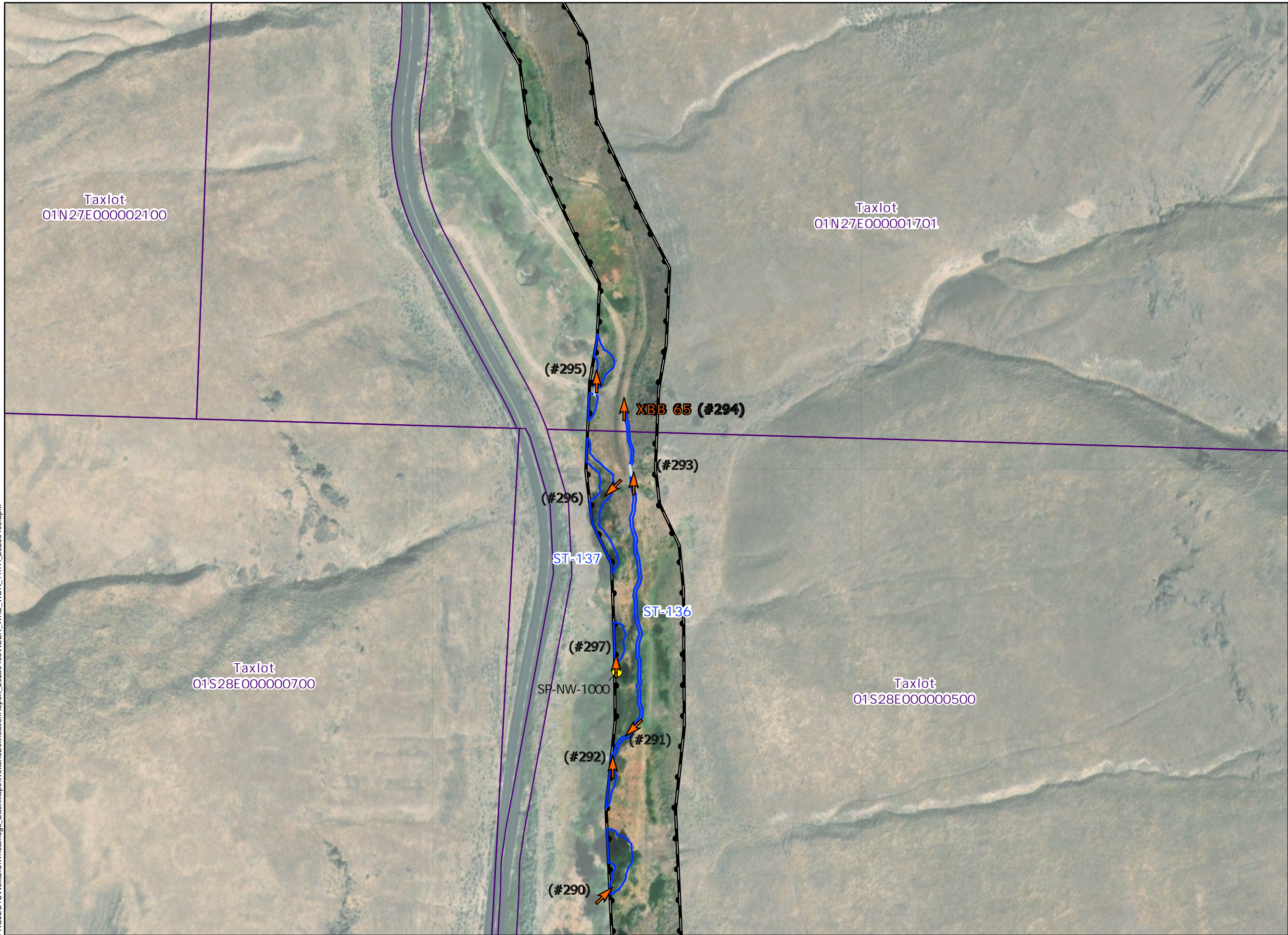
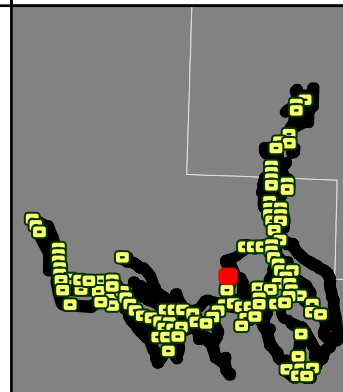
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Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

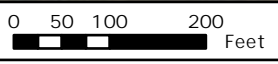


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Wheatridge Renewable Energy Facility East

Figure 5.7.65
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

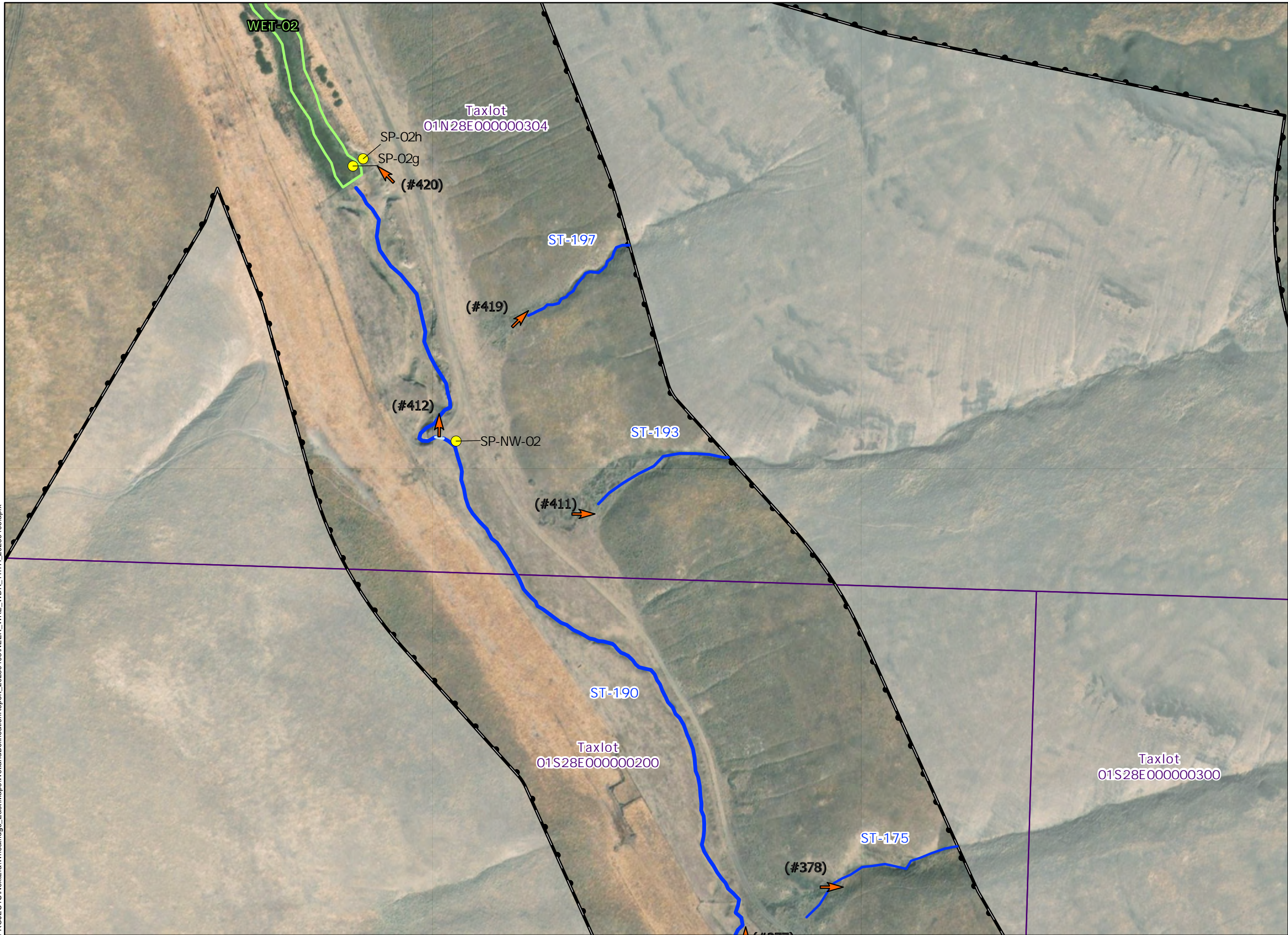
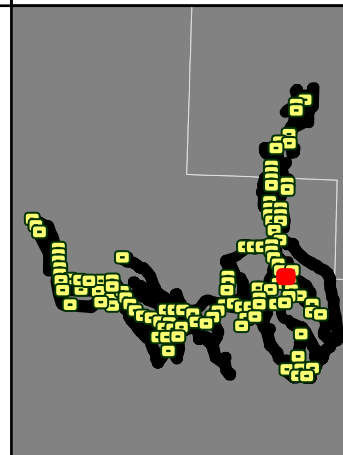
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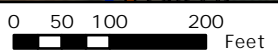
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Figure 5.7.66
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

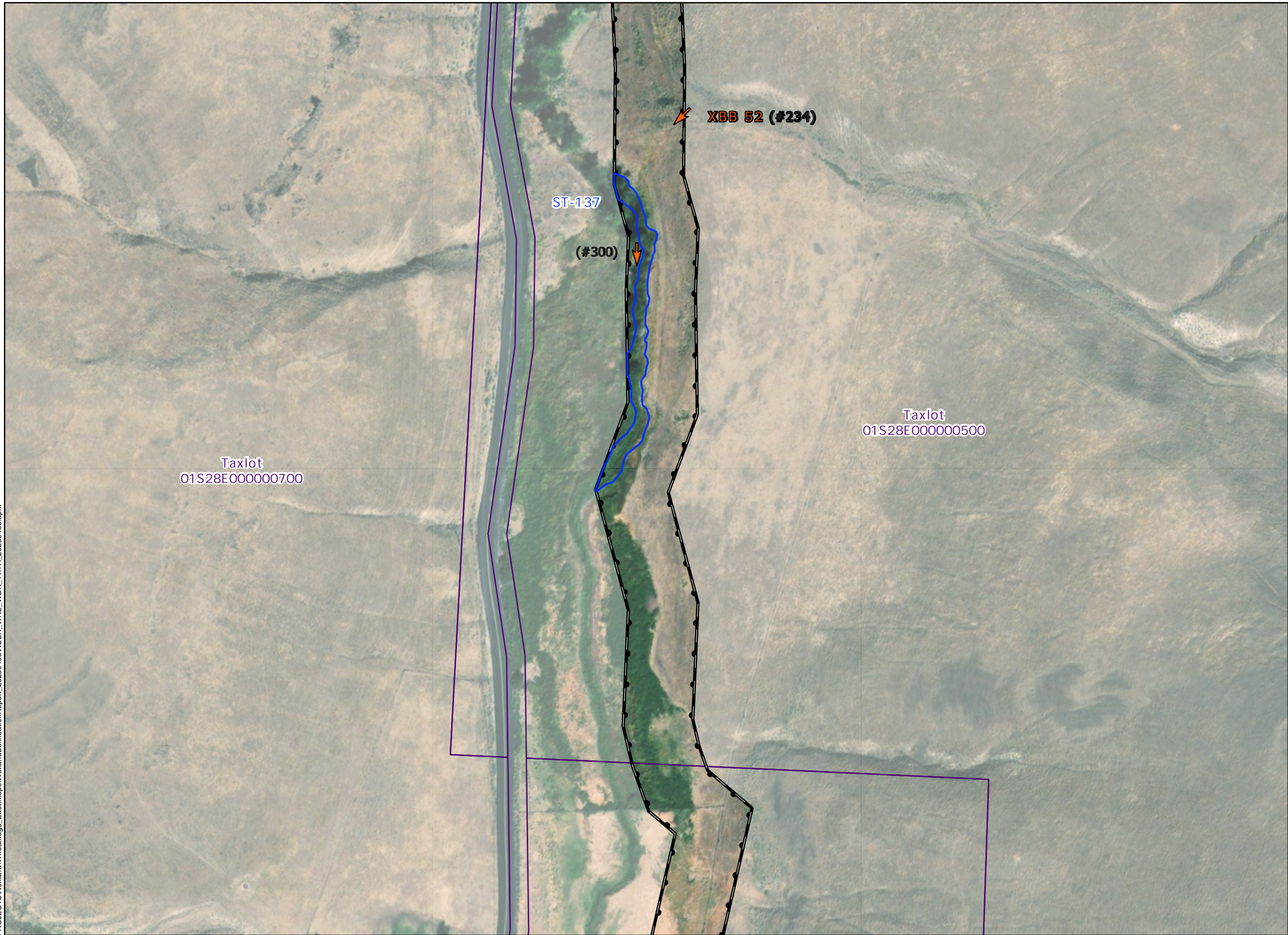
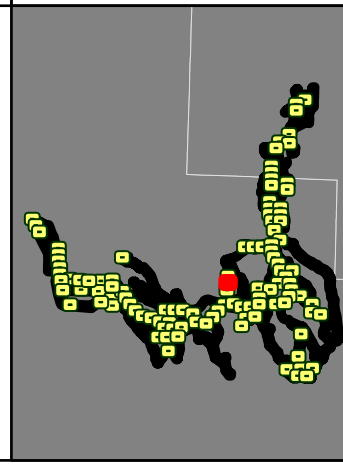
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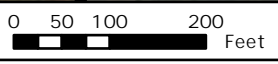
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NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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

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Figure 5.7.67
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

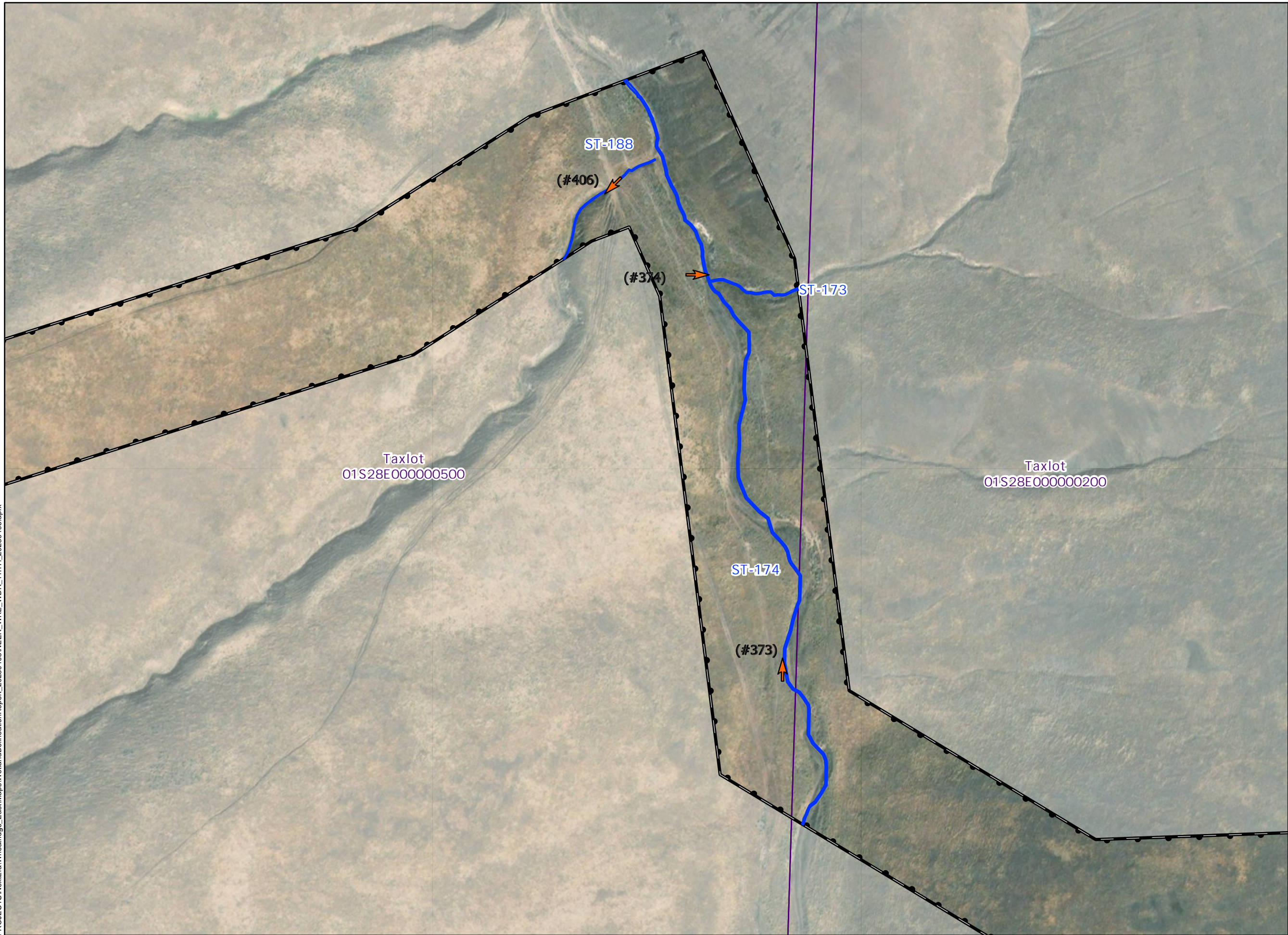
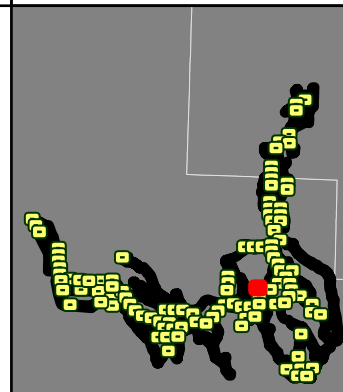
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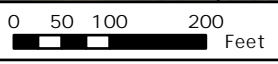
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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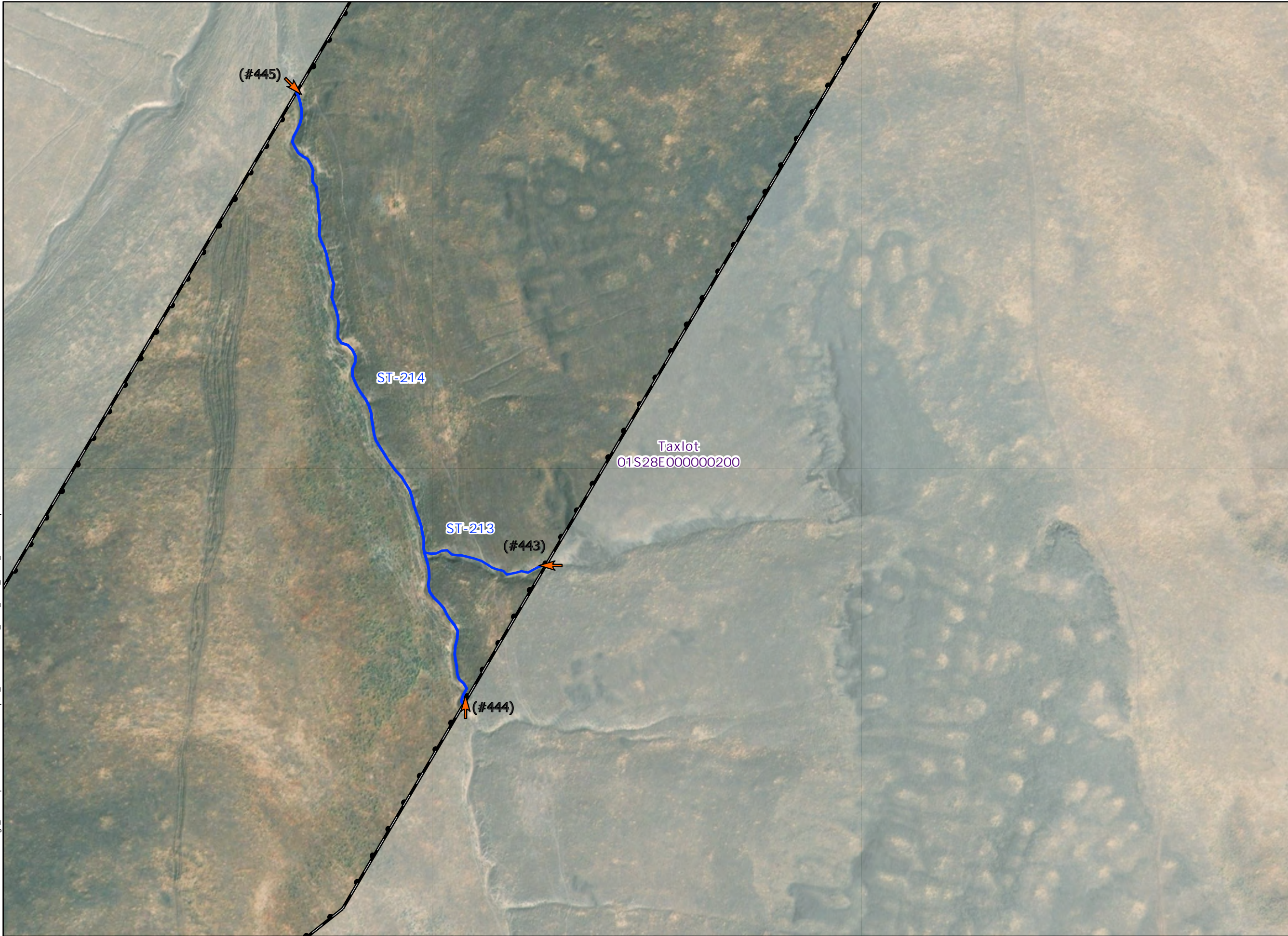
WGS 1984 UTM Zone 11N



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Figure 5.7.68
Wetland Delineation Map

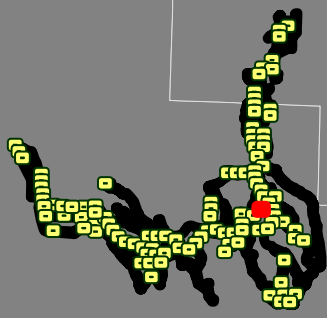
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < /= 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2, 400

WGS 1984 UTM Zone 11N

0 50 100 200
Feet

NOT FOR CONSTRUCTION




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Wheatridge
Renewable
Energy Facility East

Figure 5.7.69
Wetland Delineation Map

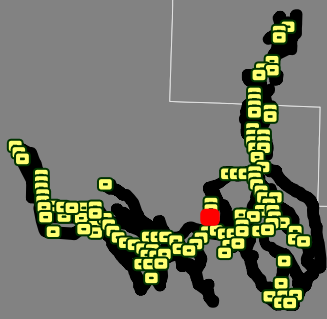
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
-  Access Granted

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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.7.70
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

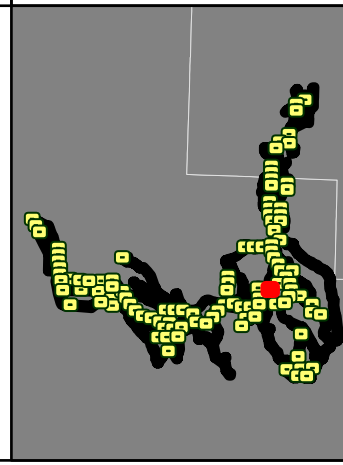
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map

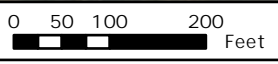


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1: 2,400

WGS 1984 UTM Zone 11N







NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.7.71
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic










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Wheatridge
Renewable
Energy Facility East

Figure 5.7.72
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
-  Survey Access
-  Access Granted

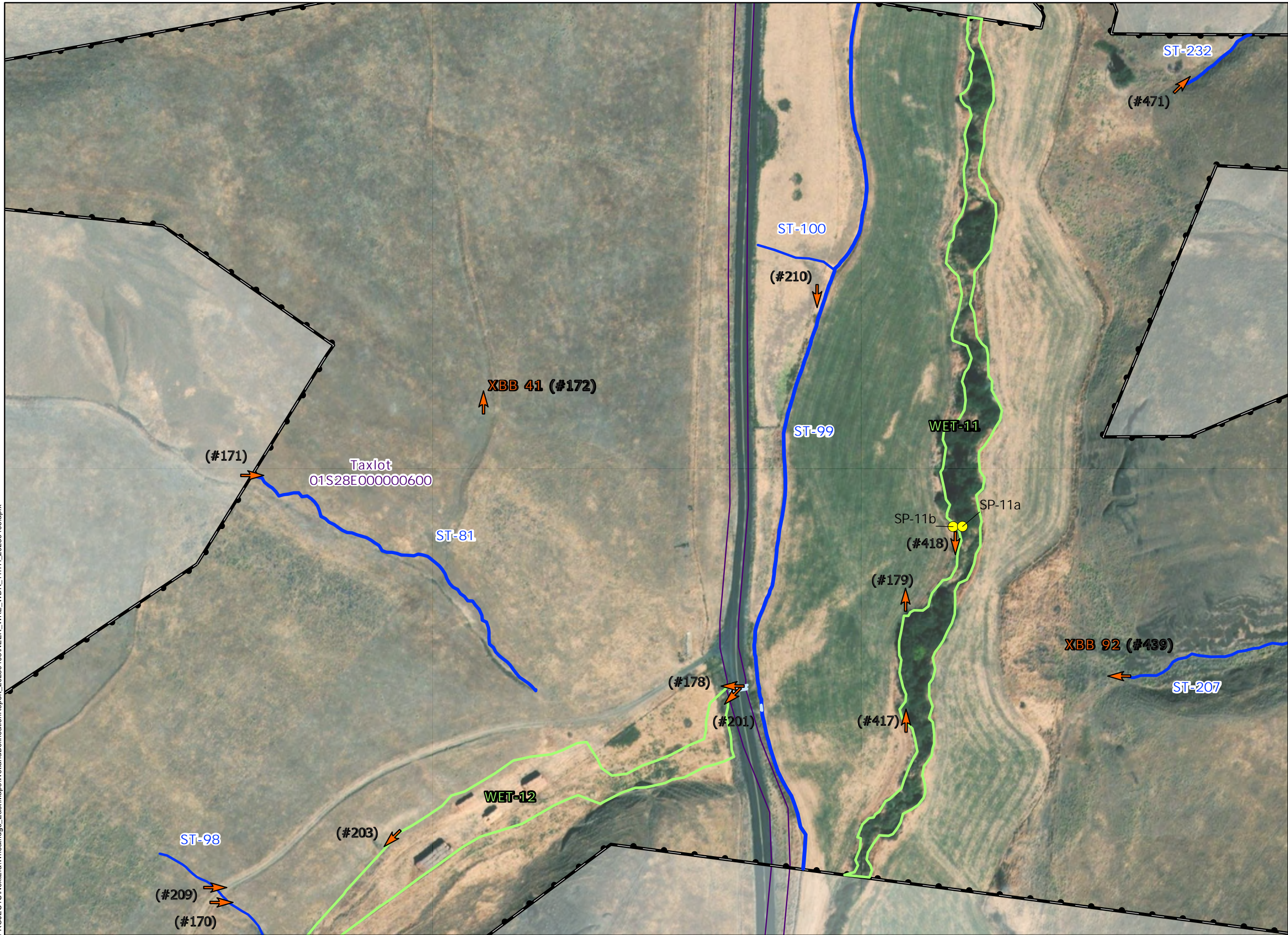
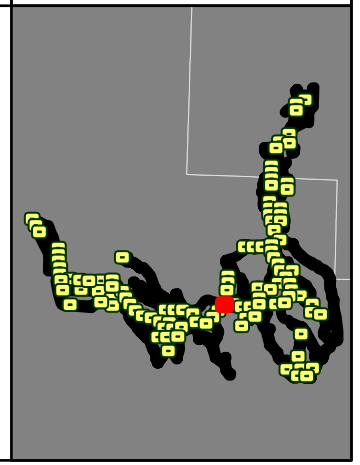
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



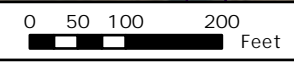
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge Renewable Energy Facility East

Figure 5.7.73
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

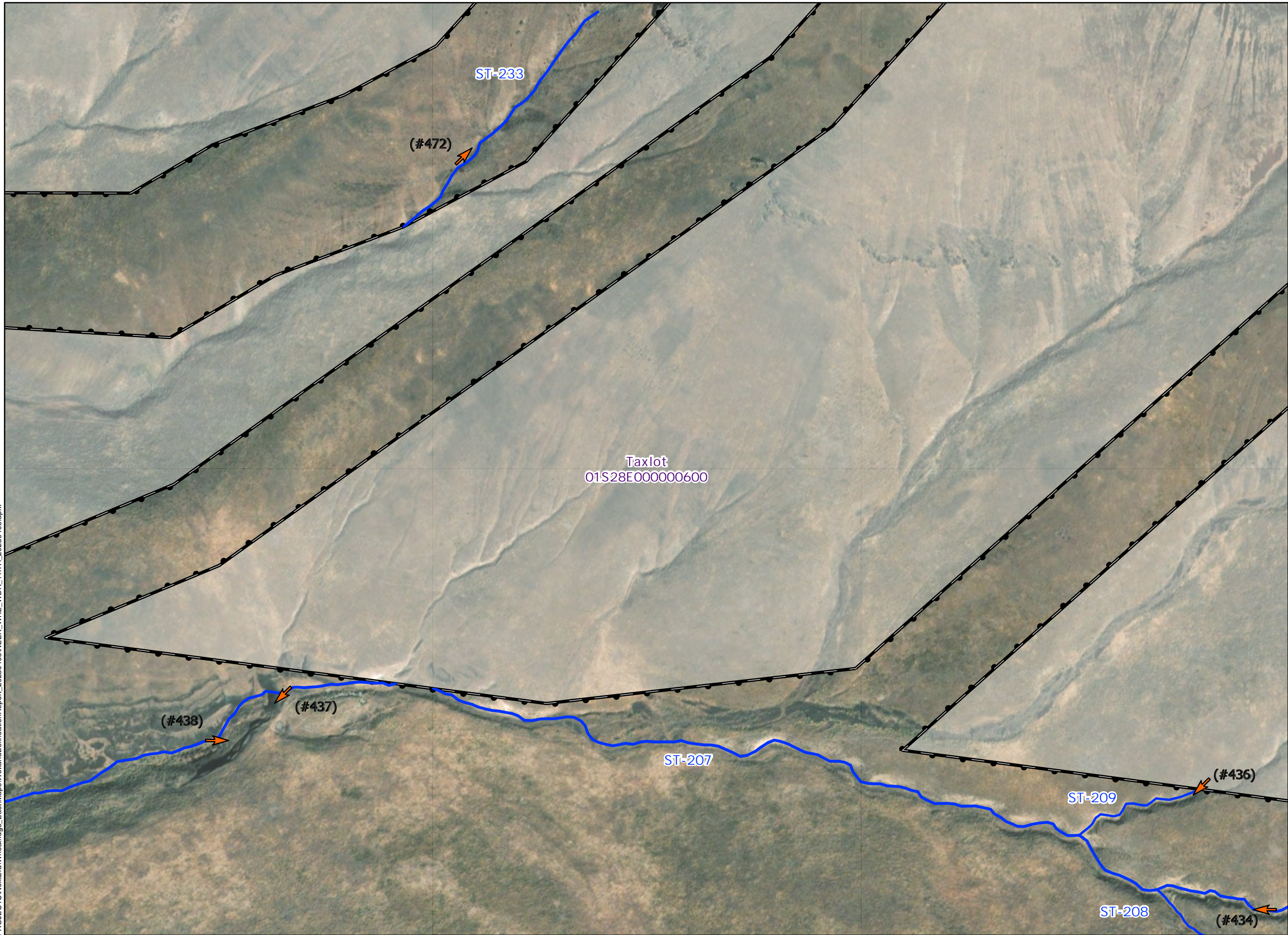
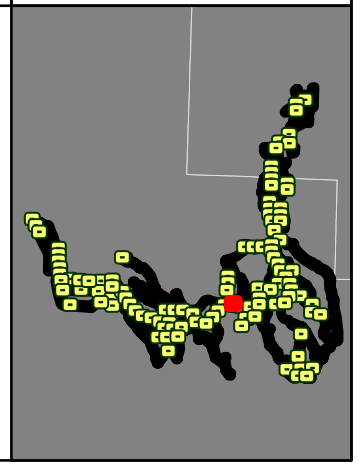
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

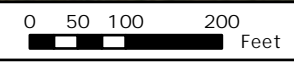
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1: 2,400

WGS 1984 UTM Zone 11N








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Wheatridge
Renewable
Energy Facility East

Figure 5.7.74
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

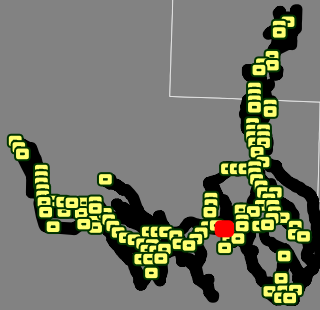
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

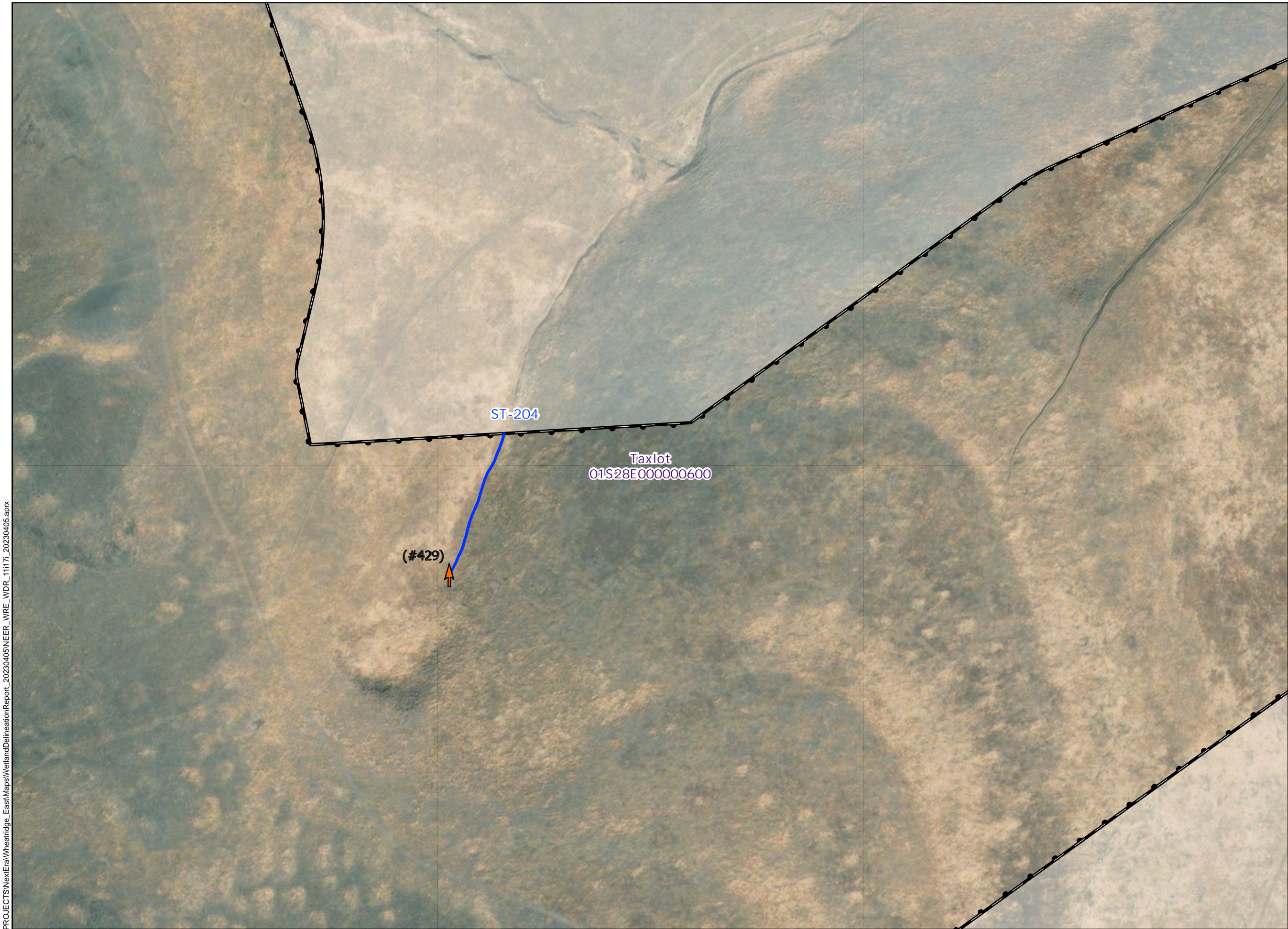
WGS 1984 UTM Zone 11N

0 50 100 200
Feet

NOT FOR CONSTRUCTION

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

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Wheatridge Renewable Energy Facility East

Figure 5.7.75
Wetland Delineation Map

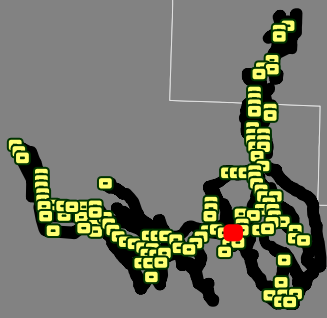
MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

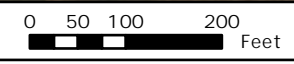


Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



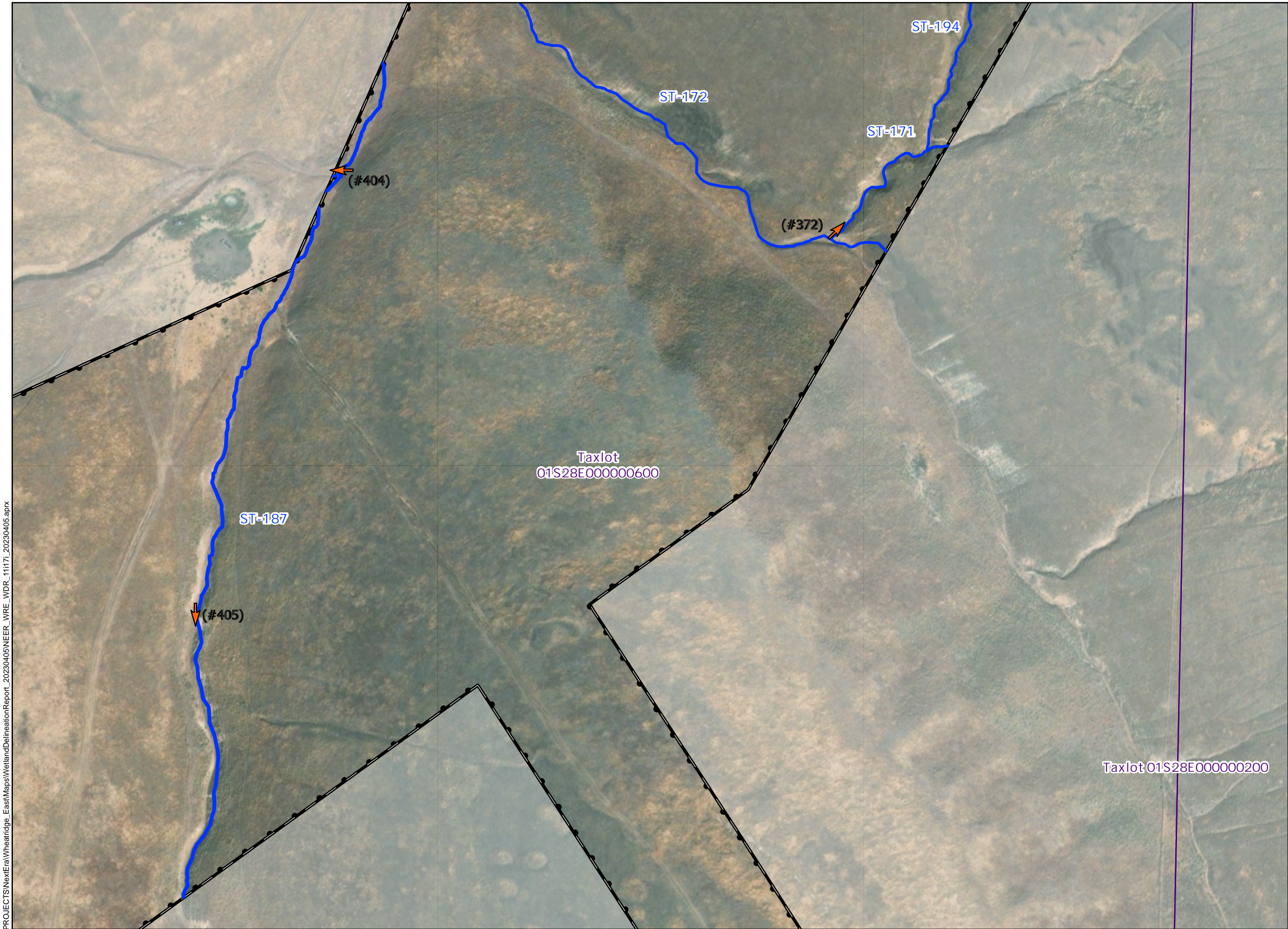
1: 2, 400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.7.76
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

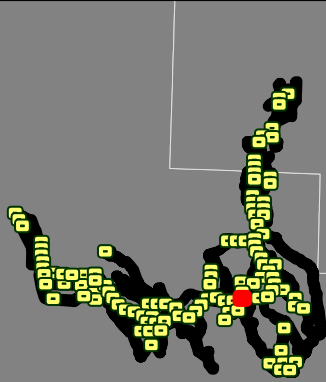
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < /= 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
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Energy Facility East

Figure 5.7.77
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

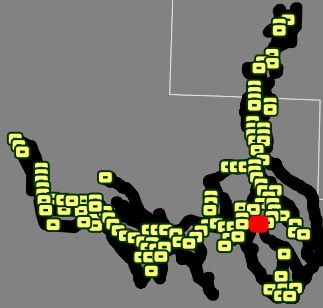
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2, 400

WGS 1984 UTM Zone 11N

0 50 100 200
Feet







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Wheatridge
Renewable
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Figure 5.7.78
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

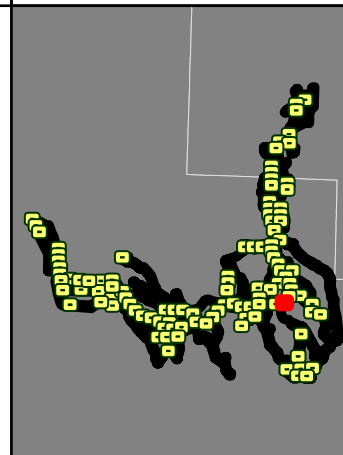
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

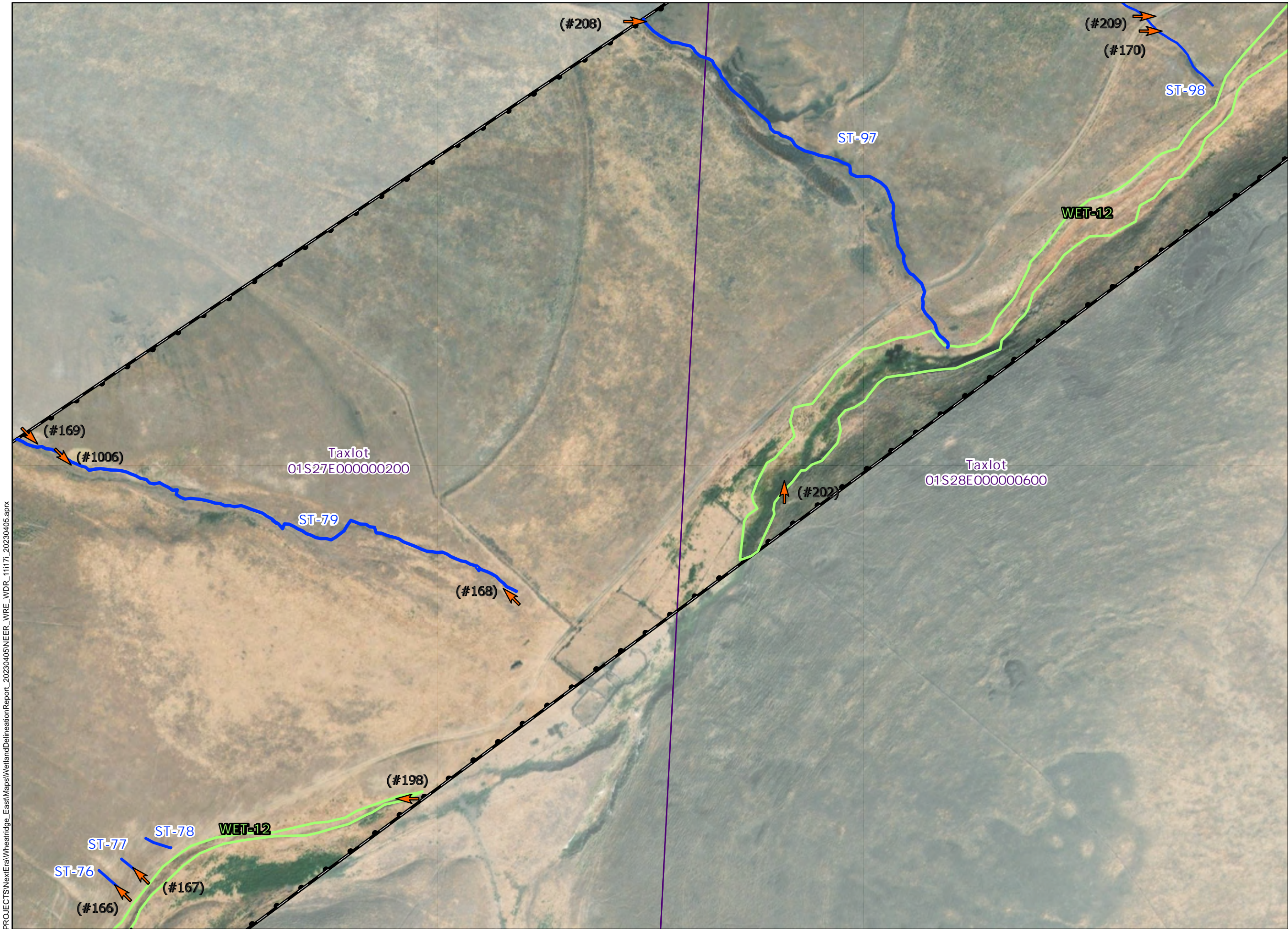
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge
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Figure 5.7.79
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

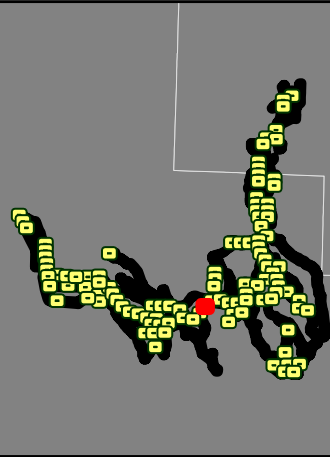
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1:2,400

WGS 1984 UTM Zone 11N







0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.7.80
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

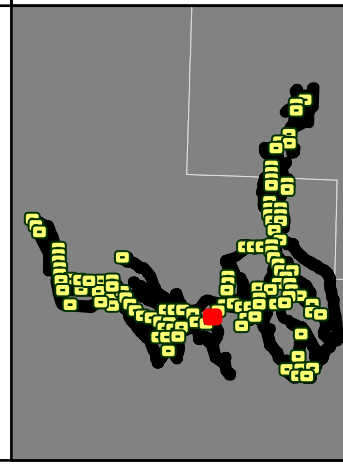
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

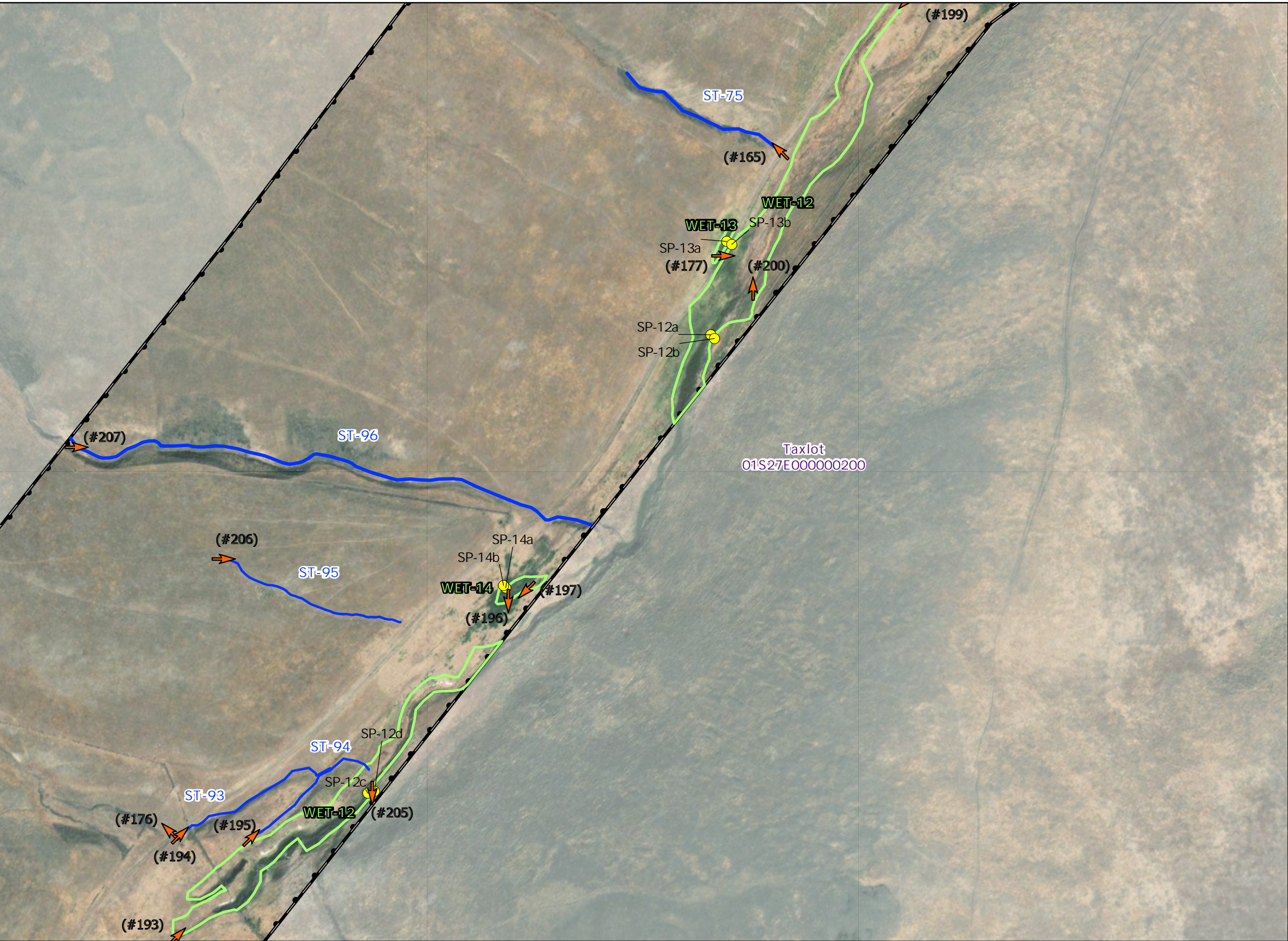


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge Renewable Energy Facility East

Figure 5.7.81
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

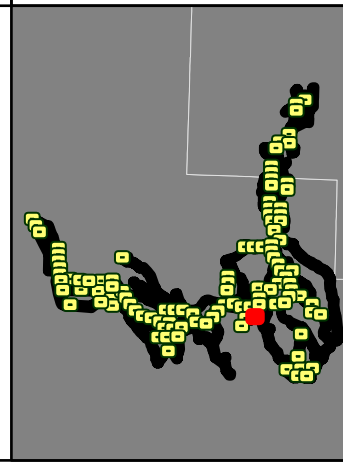
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.

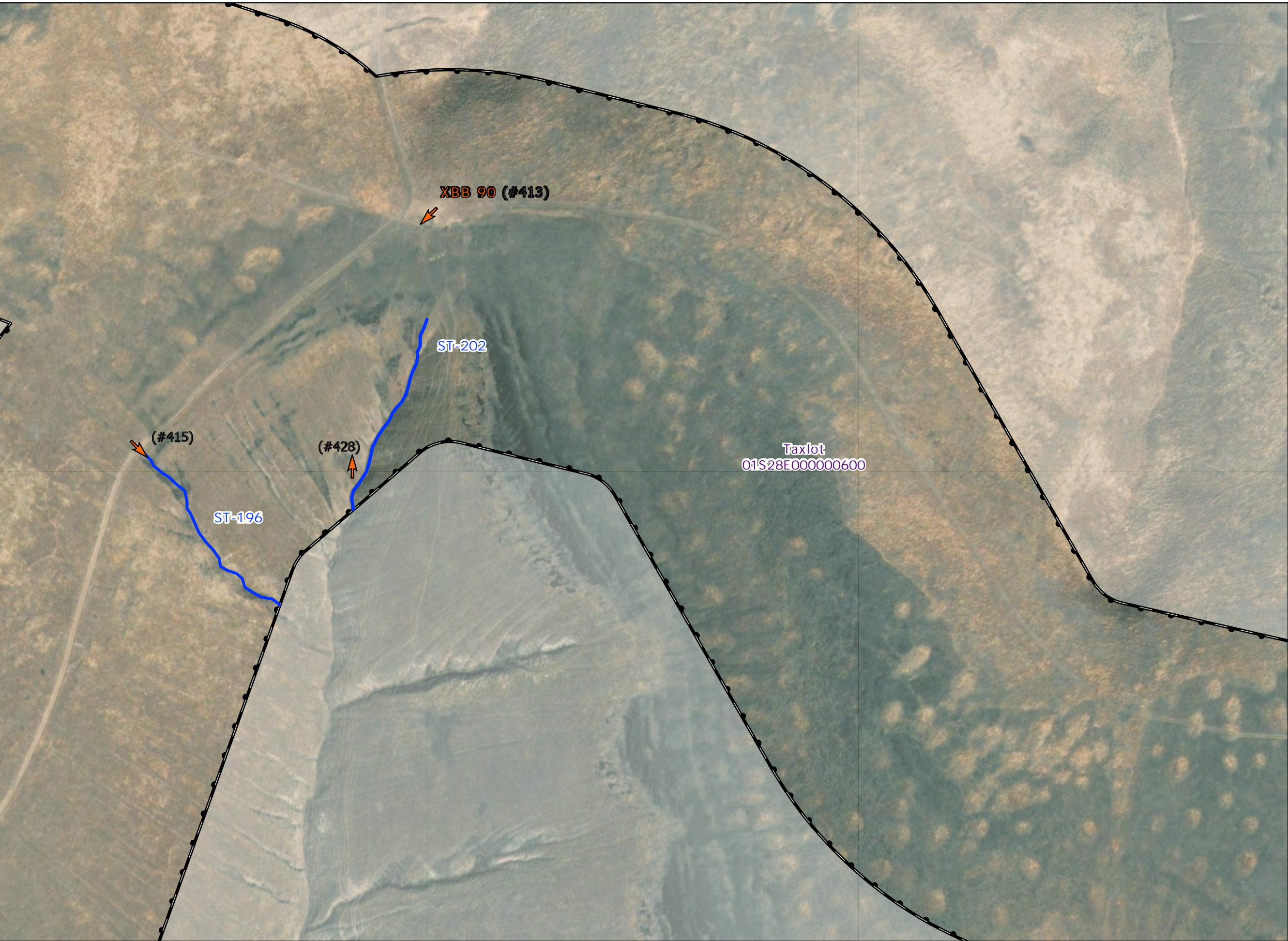


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic






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Wheatridge
Renewable
Energy Facility East

Figure 5.8.82
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Field Delineated Stream
- Survey Access
 -  Access Granted

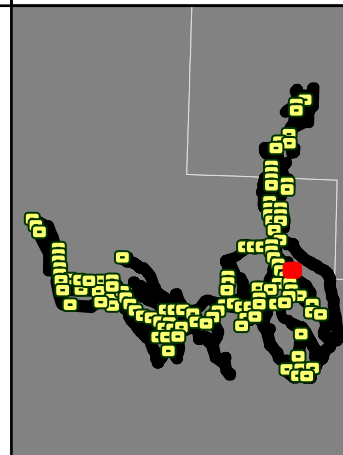
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.

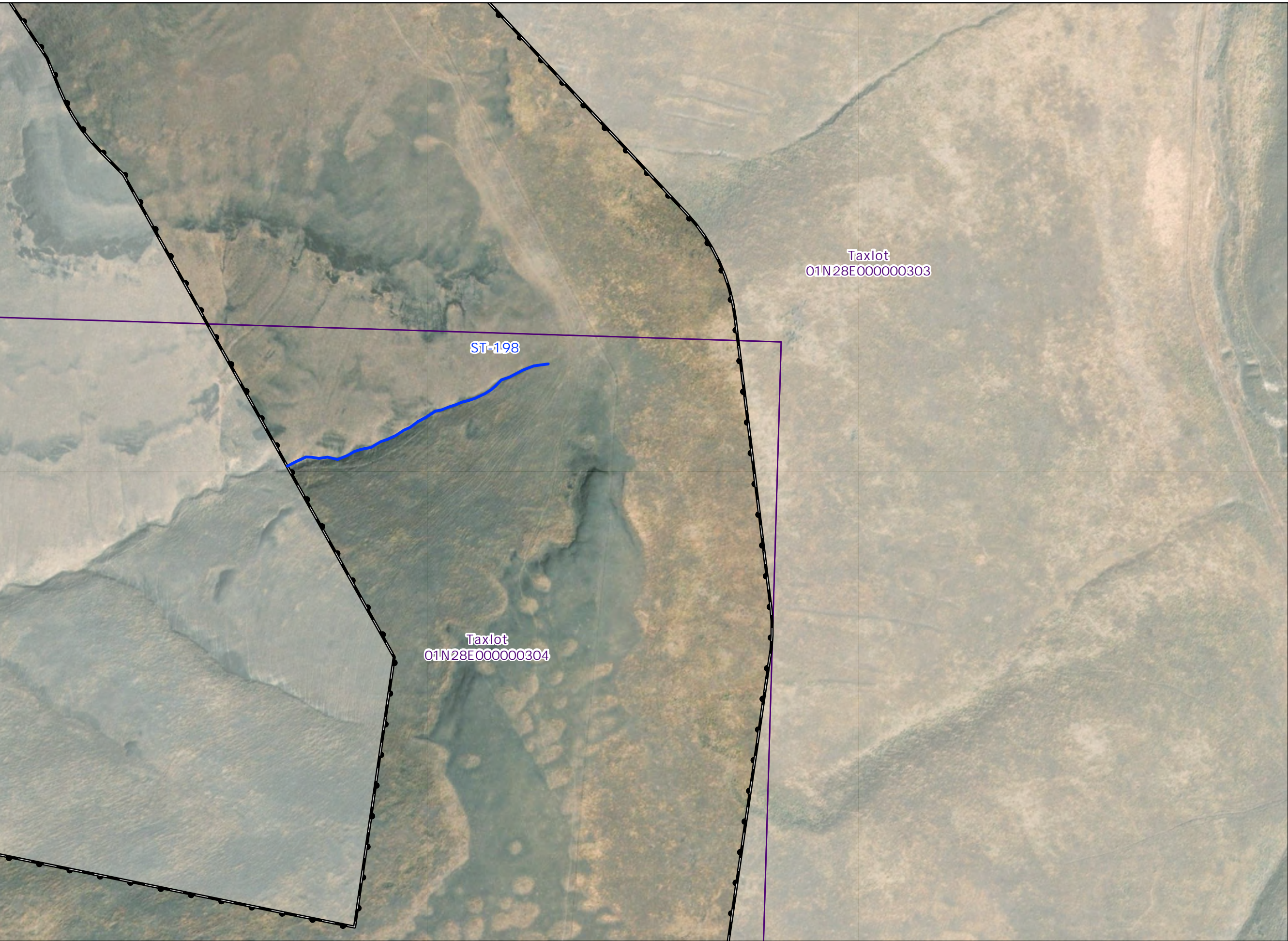


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.8.83
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

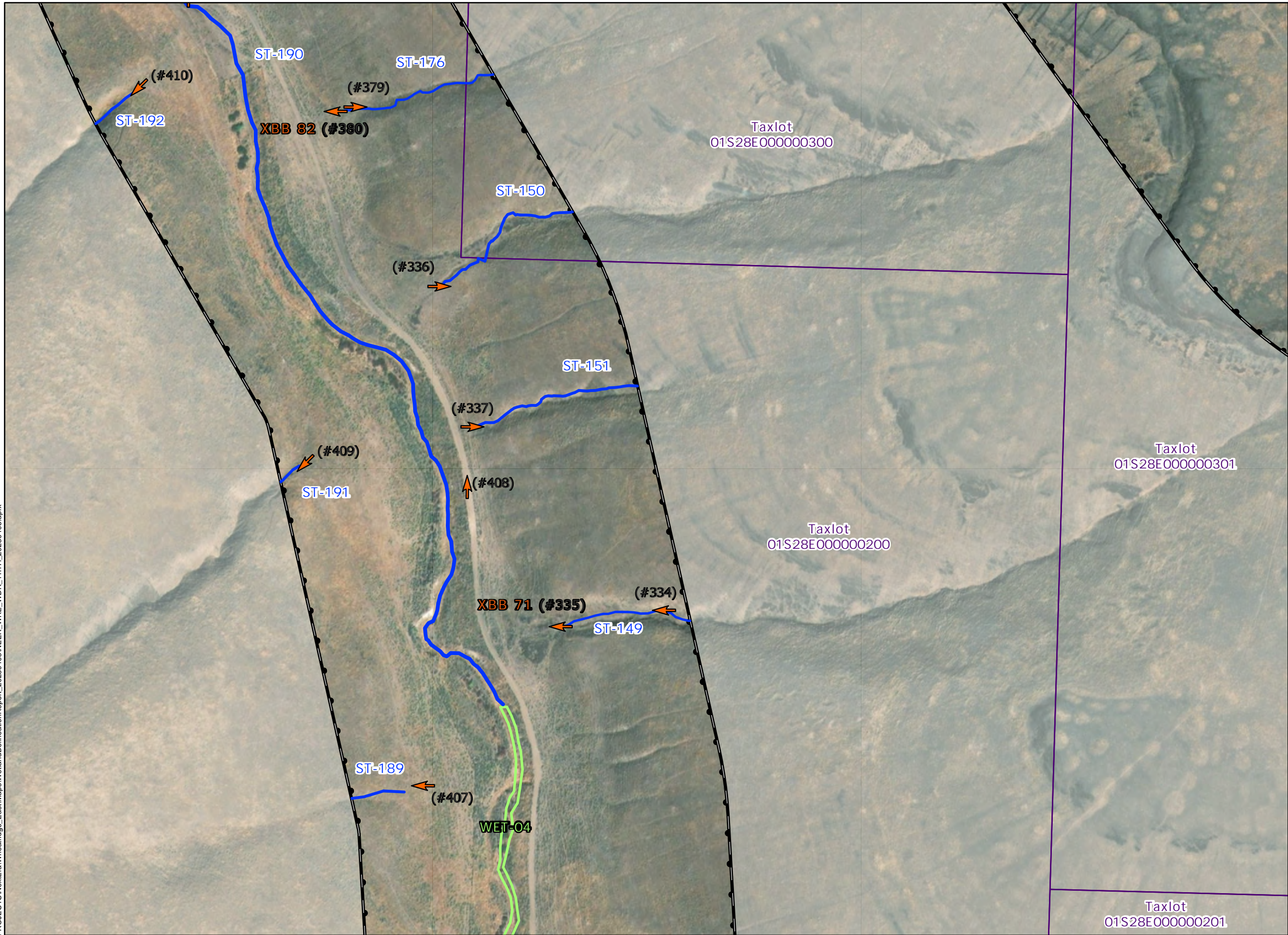
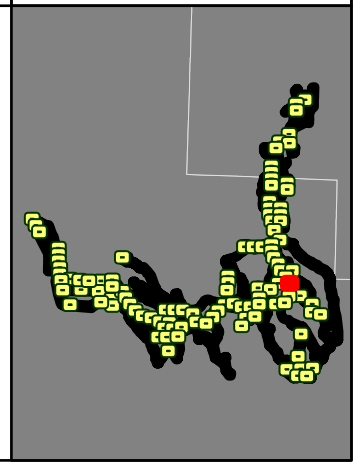
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic










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Wheatridge
Renewable
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Figure 5.8.84
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

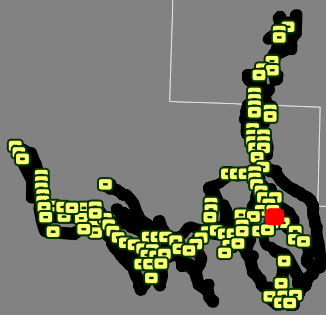
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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1: 2,400

WGS 1984 UTM Zone 11N

0 50 100 200 Feet

NOT FOR CONSTRUCTION






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Wheatridge Renewable Energy Facility East

Figure 5.8.85
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



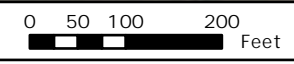
Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2, 400

WGS 1984 UTM Zone 11N









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Wheatridge
Renewable
Energy Facility East

Figure 5.8.86
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
-  Access Granted

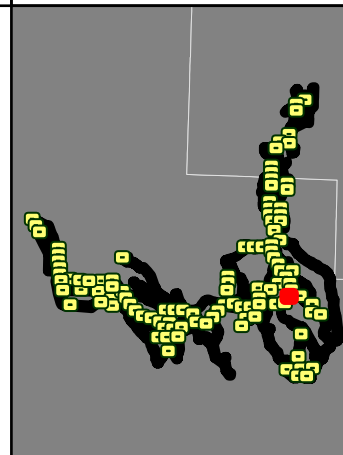
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

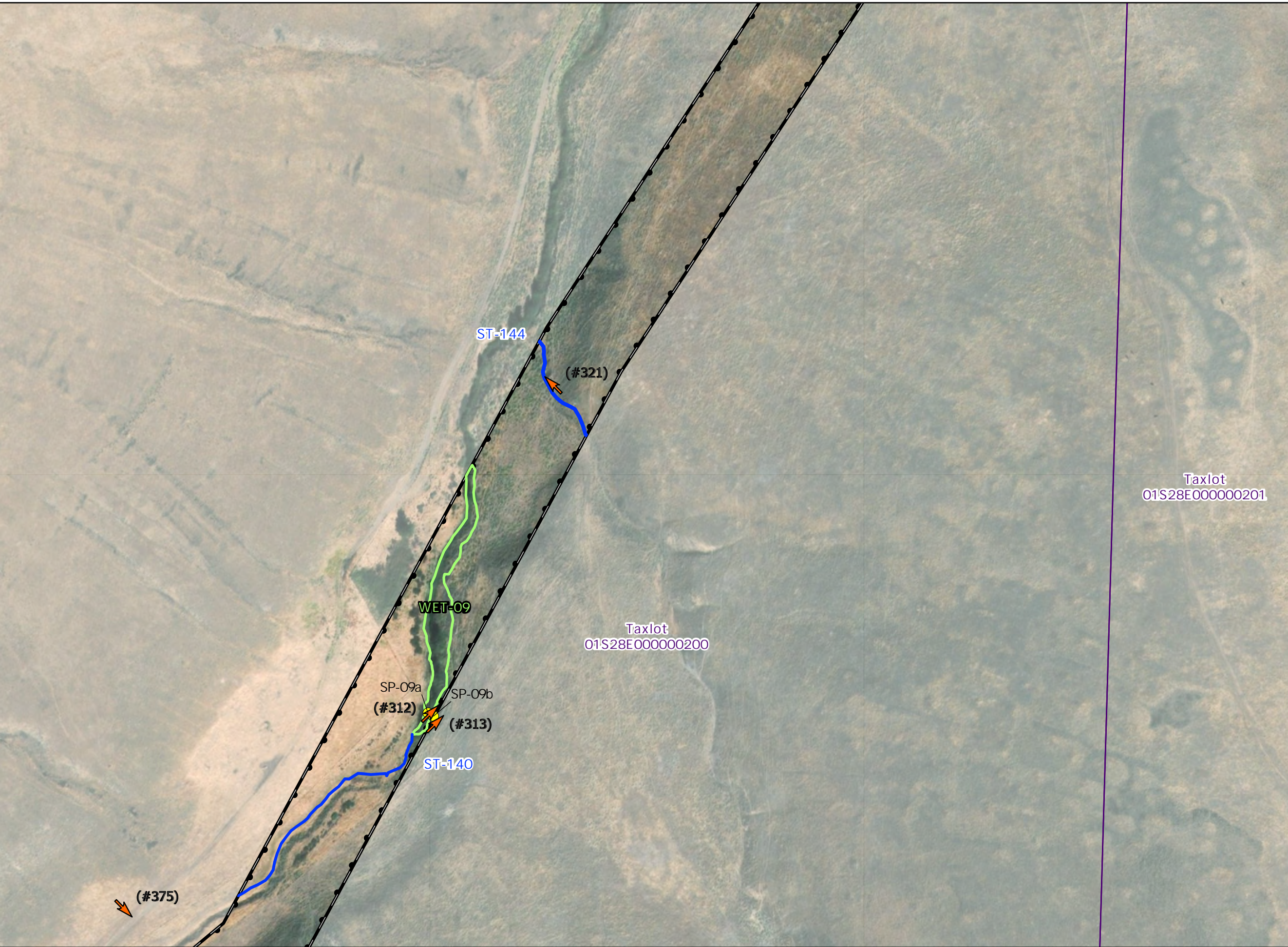


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic







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Wheatridge
Renewable
Energy Facility East

Figure 5.8.87
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








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Wheatridge
Renewable
Energy Facility East

Figure 5.8.88
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

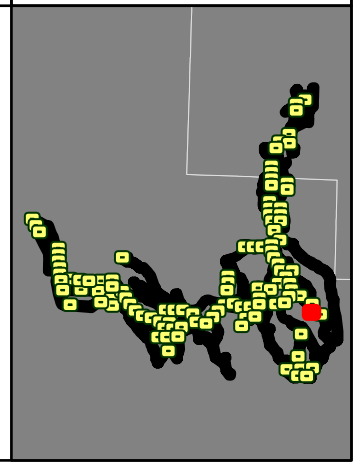
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are ≤ 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic






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Wheatridge Renewable Energy Facility East

Figure 5.8.89
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
 -  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

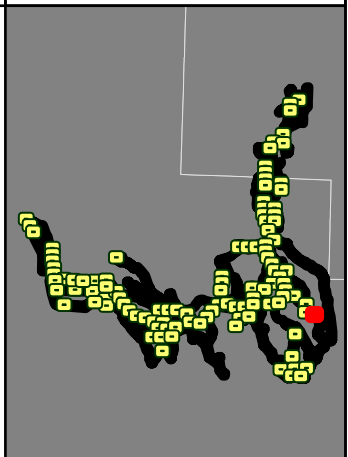
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



Taxlot 01S28E000000201

XBB 72 (#348)

Taxlot
01S29E000000400



1: 2, 400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
Renewable
Energy Facility East

Figure 5.9.90
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Sample Plot
-  Field Delineated Wetland
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

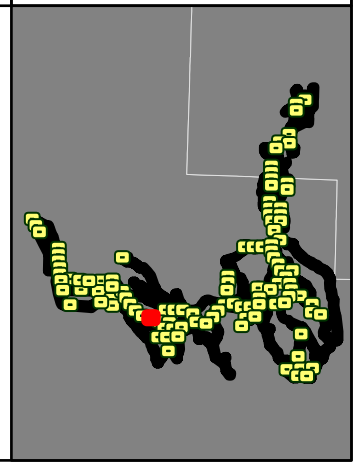
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

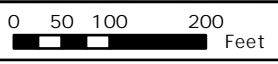
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



1:2,400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.9.91
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

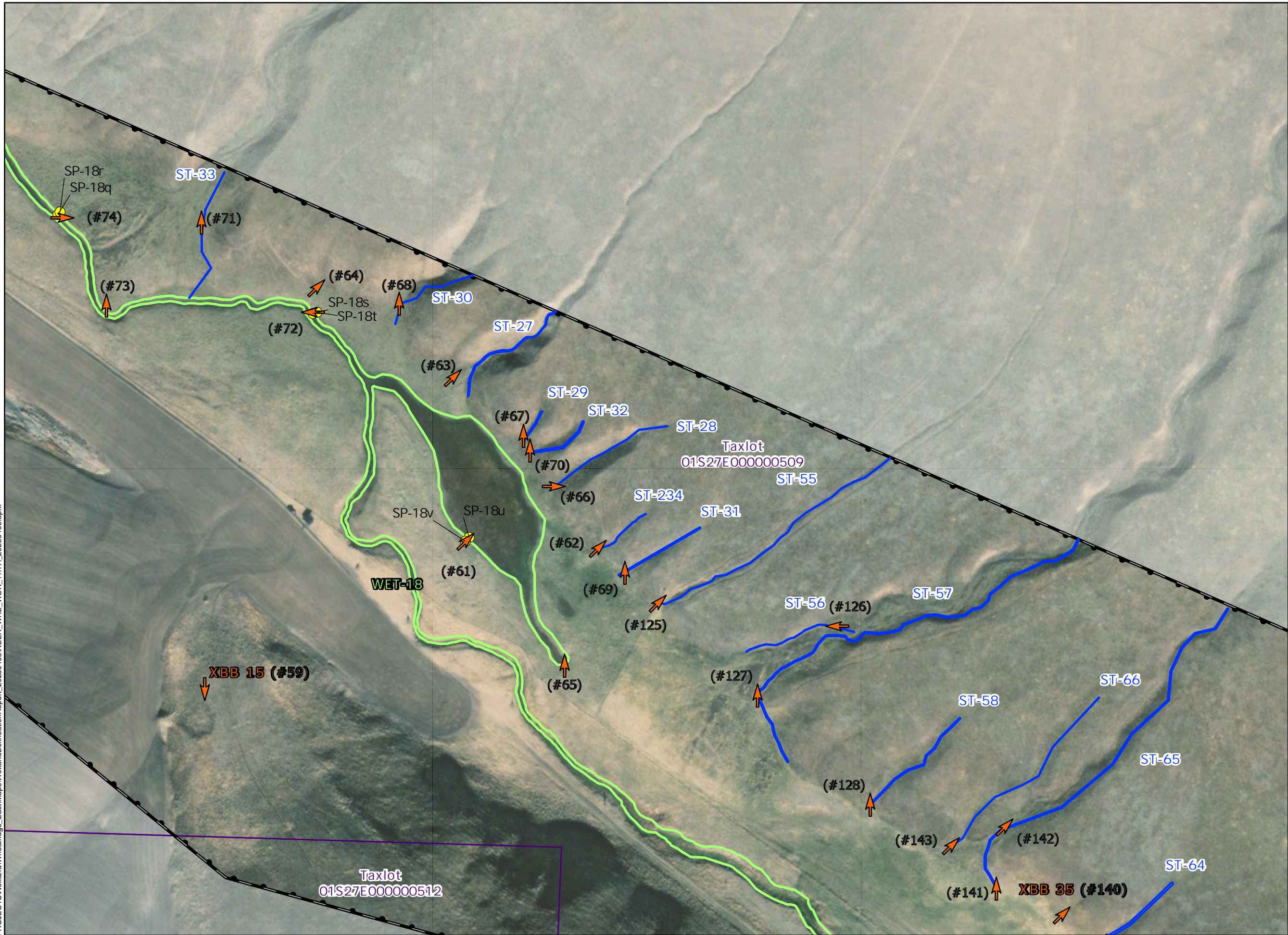
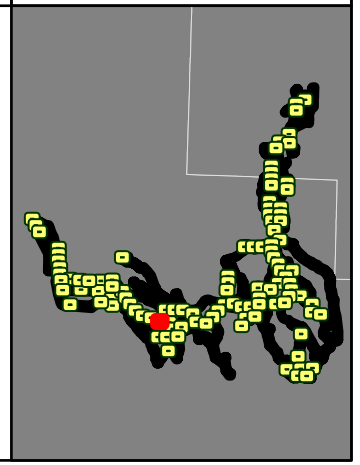
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic









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Wheatridge
Renewable
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Figure 5.9.92
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Stream
-  Field Delineated Wetland
- Survey Access
 -  Access Granted

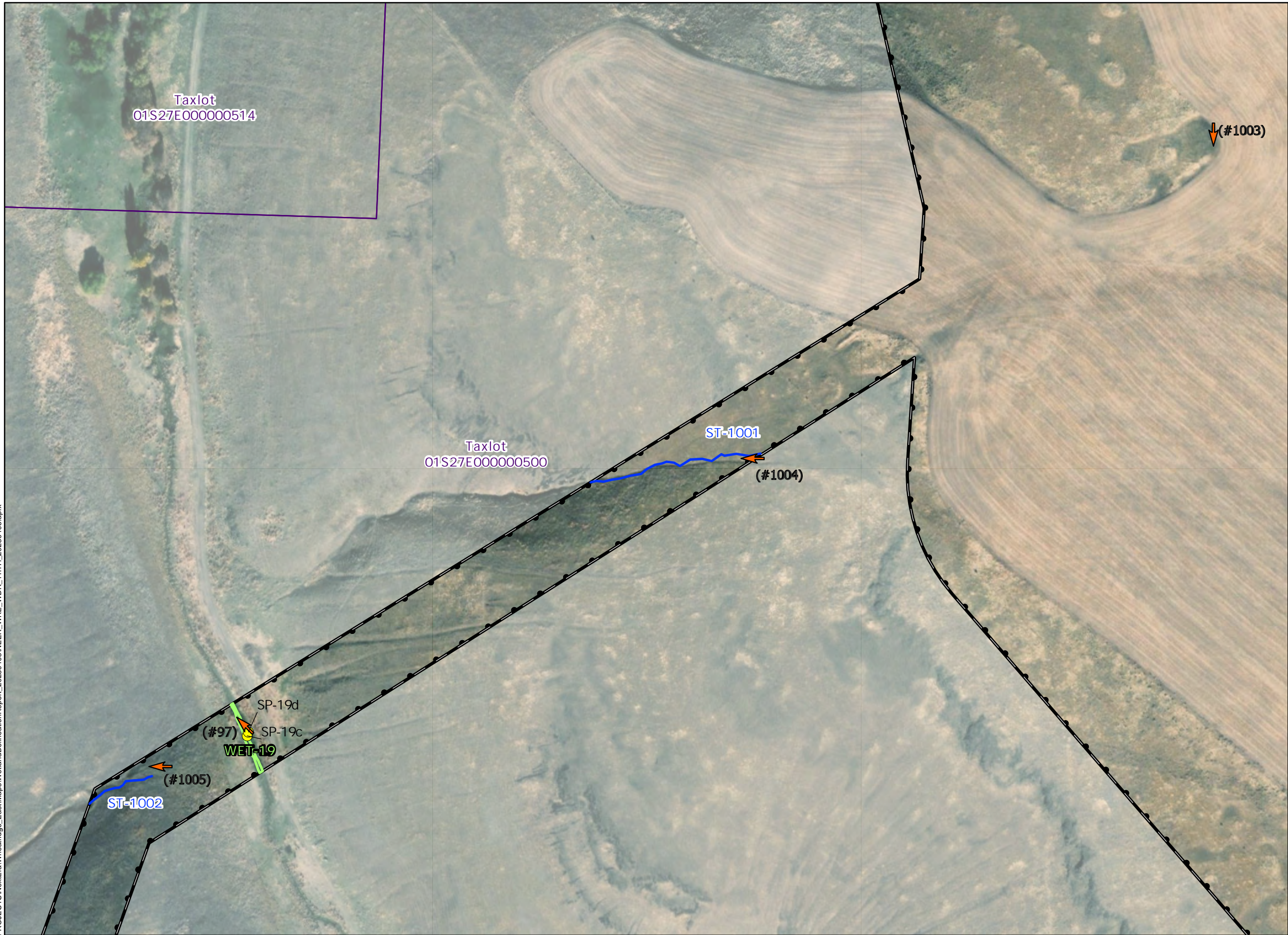
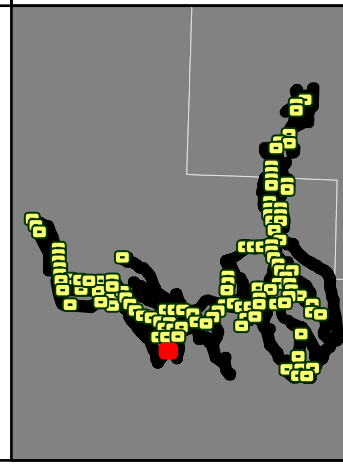
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

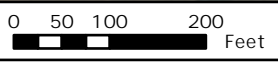


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1: 2,400

WGS 1984 UTM Zone 11N







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Wheatridge
Renewable
Energy Facility East

Figure 5.9.93
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

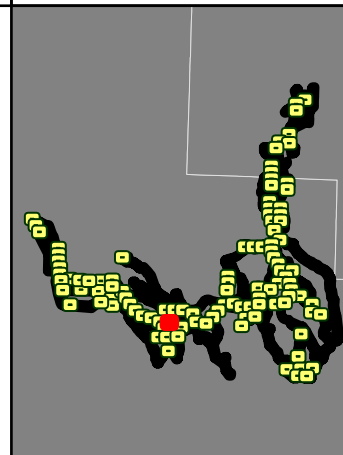
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

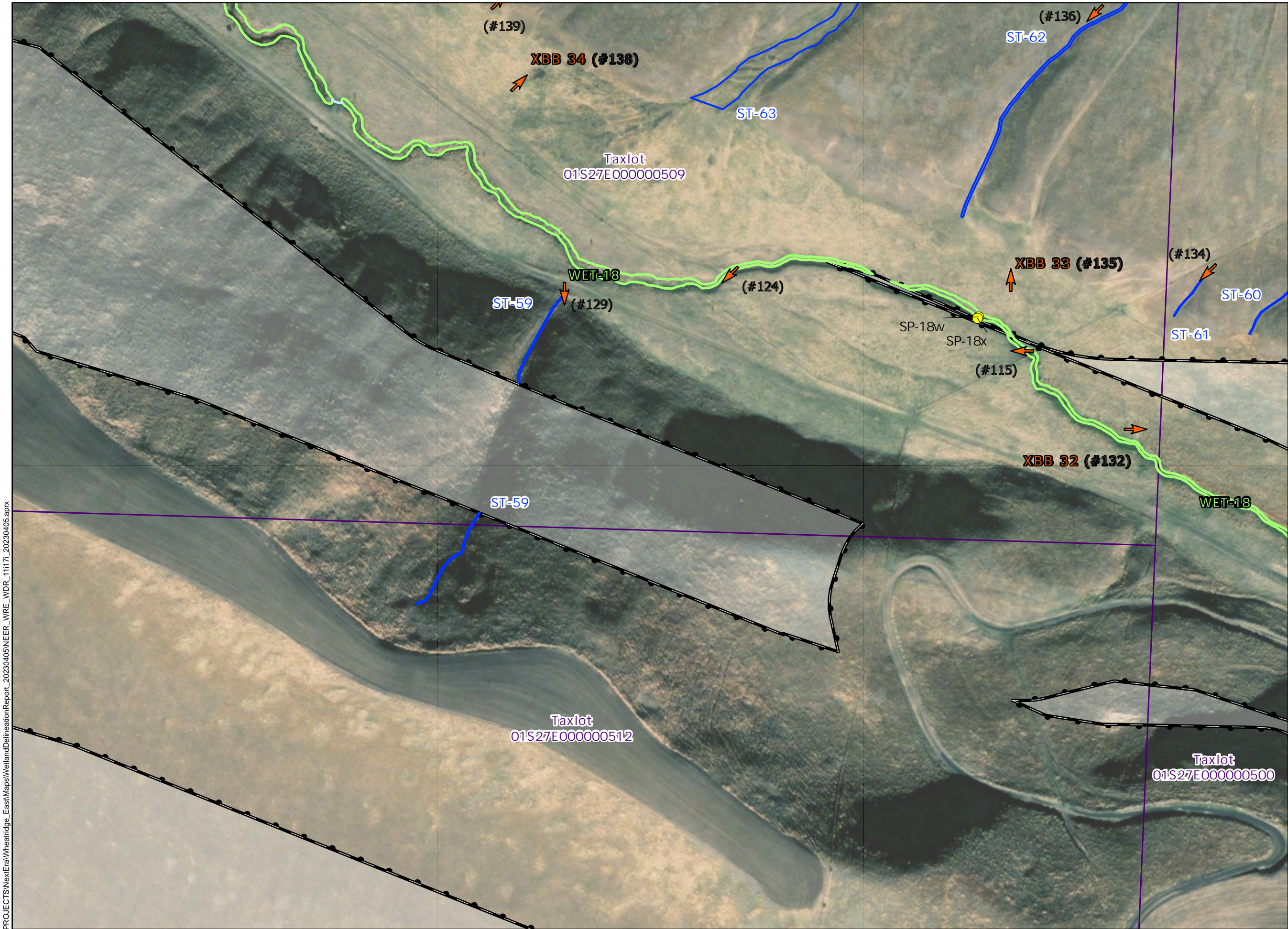
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



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Wheatridge Renewable Energy Facility East

Figure 5.9.94
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

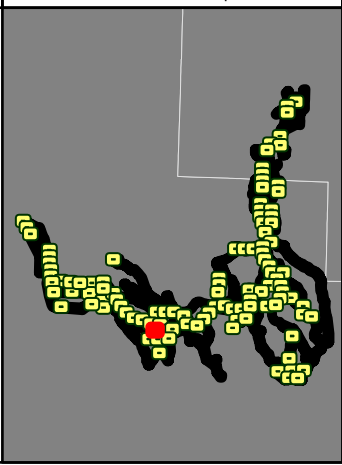
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2, 400

WGS 1984 UTM Zone 11N

0 50 100 200 Feet

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.9.95
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Culvert
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
- Access Granted

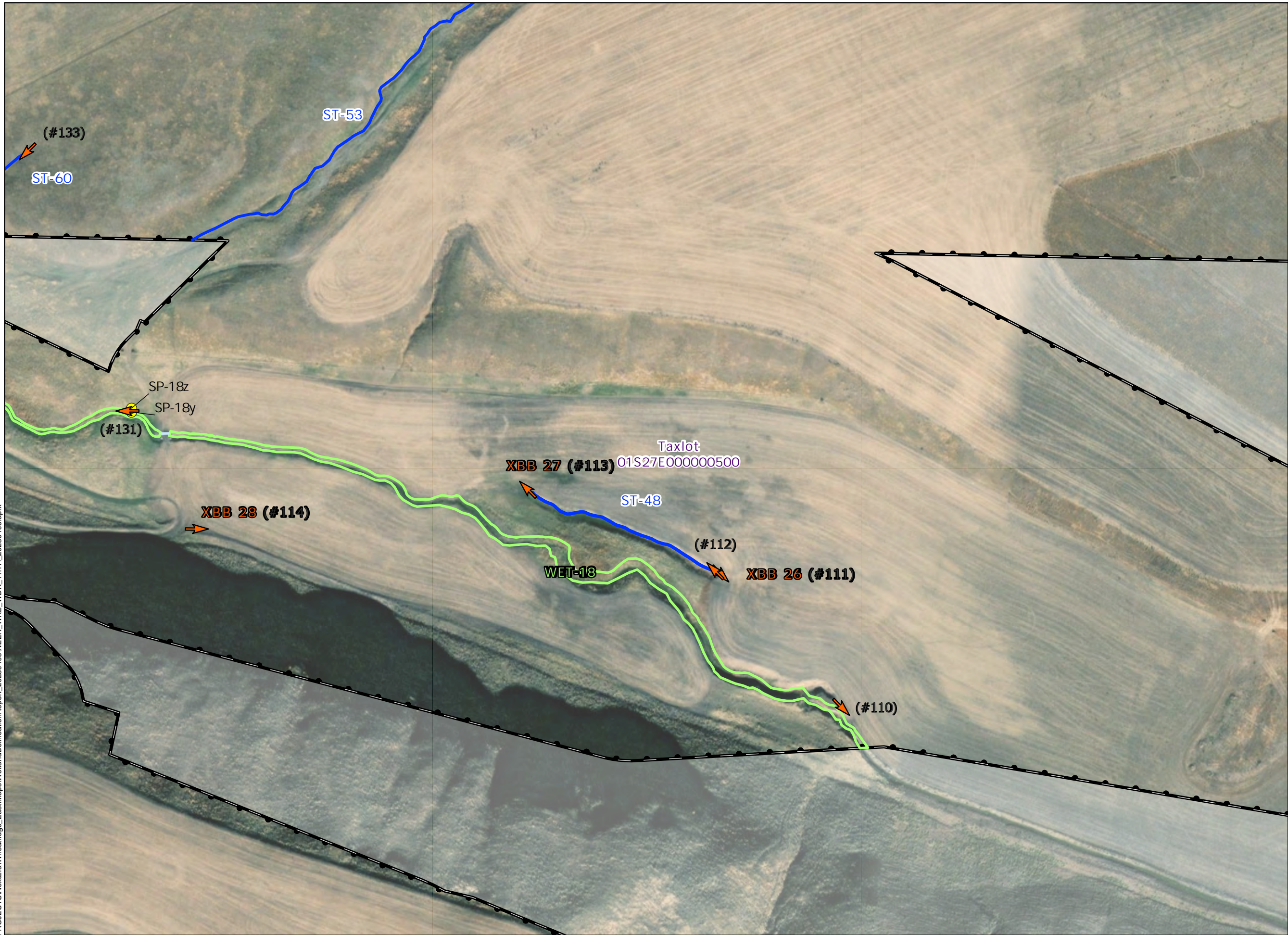
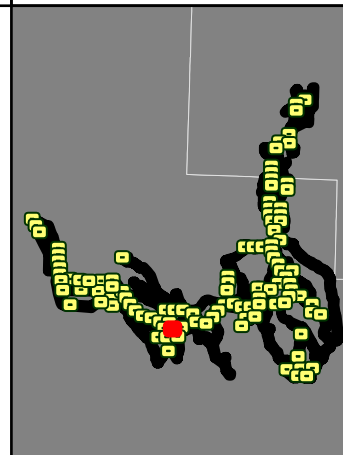
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

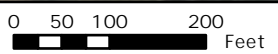


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WGS 1984 UTM Zone 11N







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Wheatridge Renewable Energy Facility East

Figure 5.9.96
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

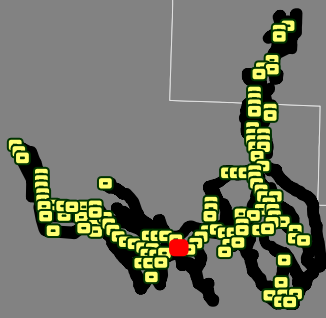
-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
- Survey Access
 -  Access Granted

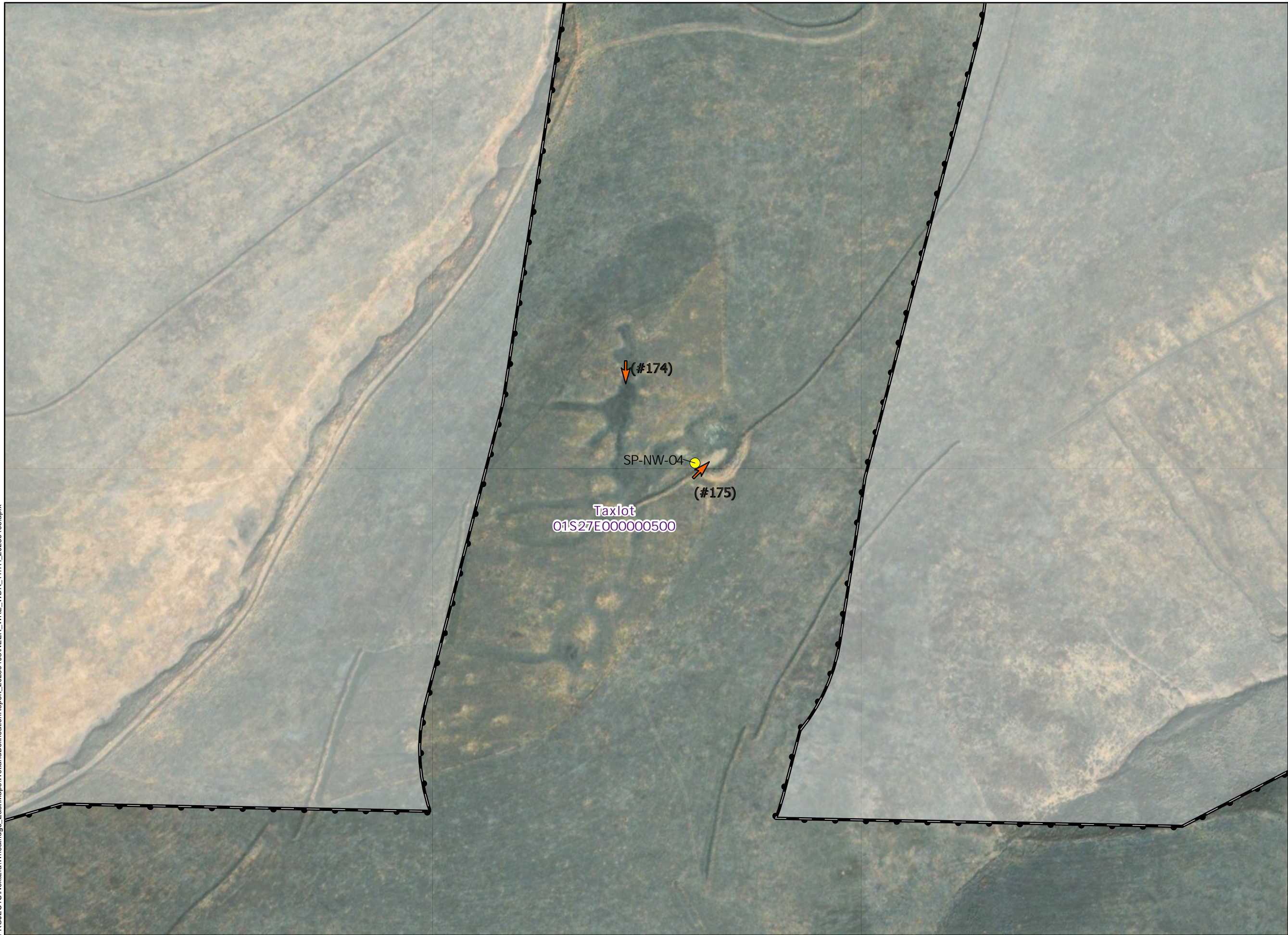
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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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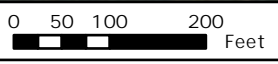


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WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.9.97
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Field Delineated Stream
- Survey Access
- Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	

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Wheatridge Renewable Energy Facility East

Figure 5.9.98
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Culvert
-  Field Delineated Stream
-  Field Delineated Wetland
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

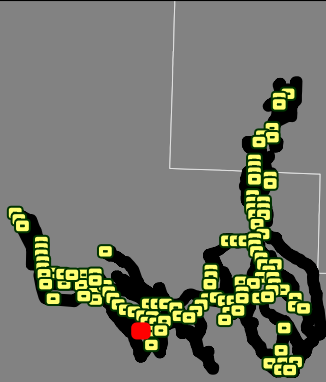
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1:2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

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Wheatridge
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Figure 5.9.99
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

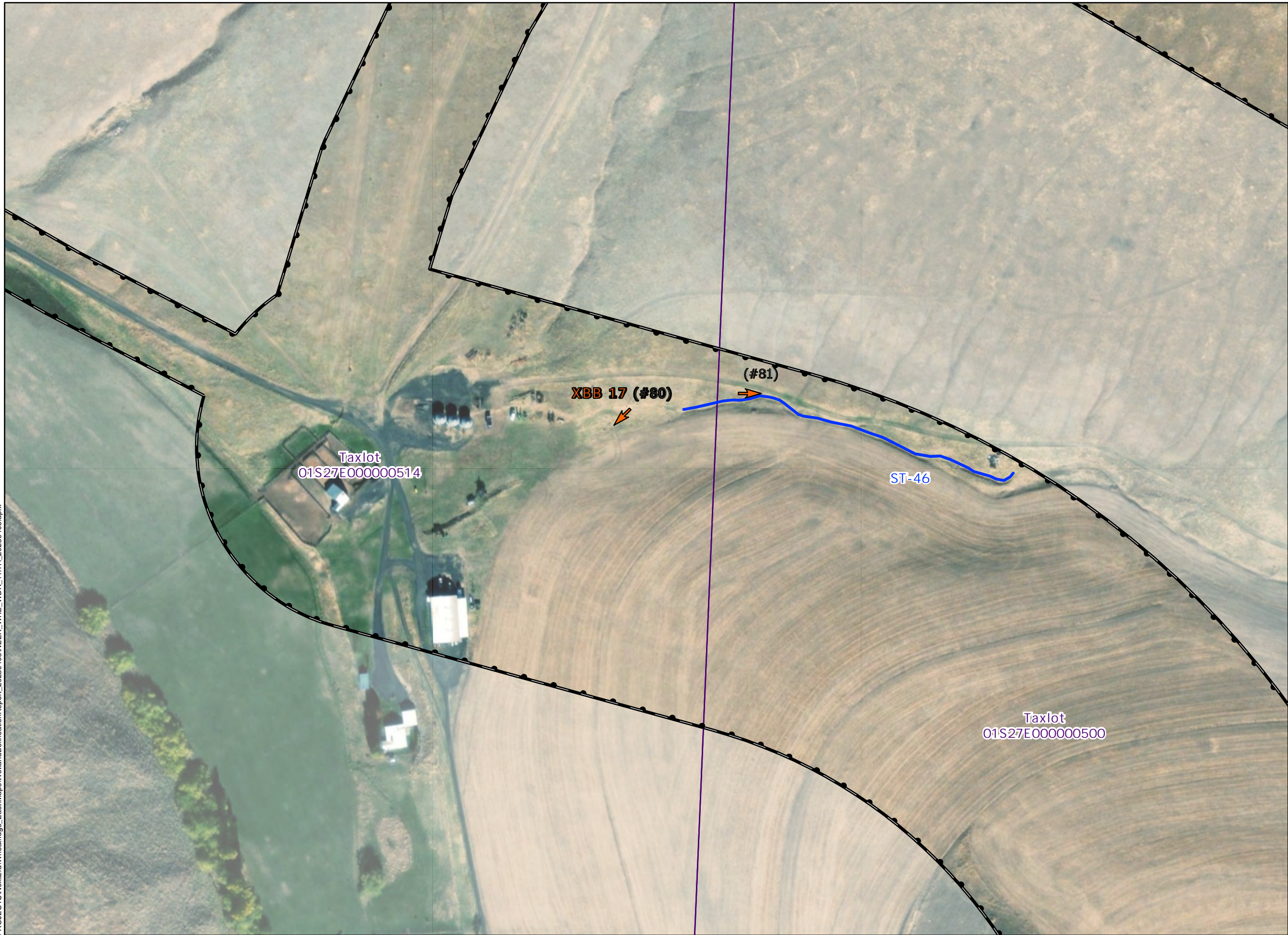
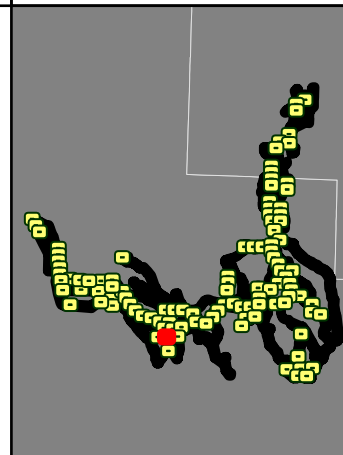
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

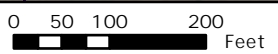
Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N



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Wheatridge
Renewable
Energy Facility East

Figure 5.9.100
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

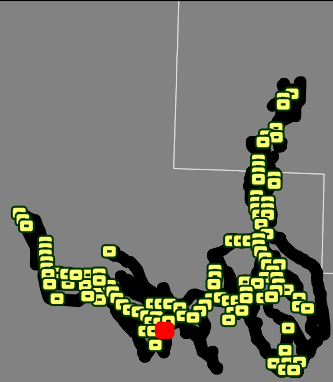
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources

Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic



1: 2,400

WGS 1984 UTM Zone 11N





0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge Renewable Energy Facility East

Figure 5.10.101
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

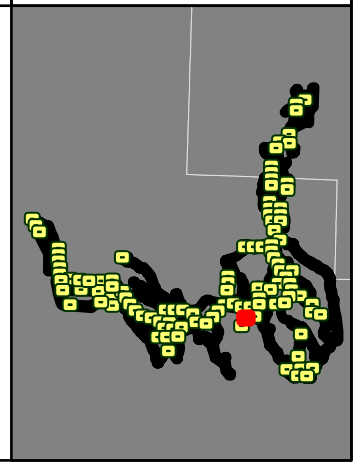
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



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Taxlot
01S28E000001000

Taxlot
01S28E000000600

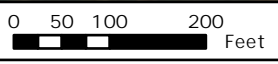
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(#416)



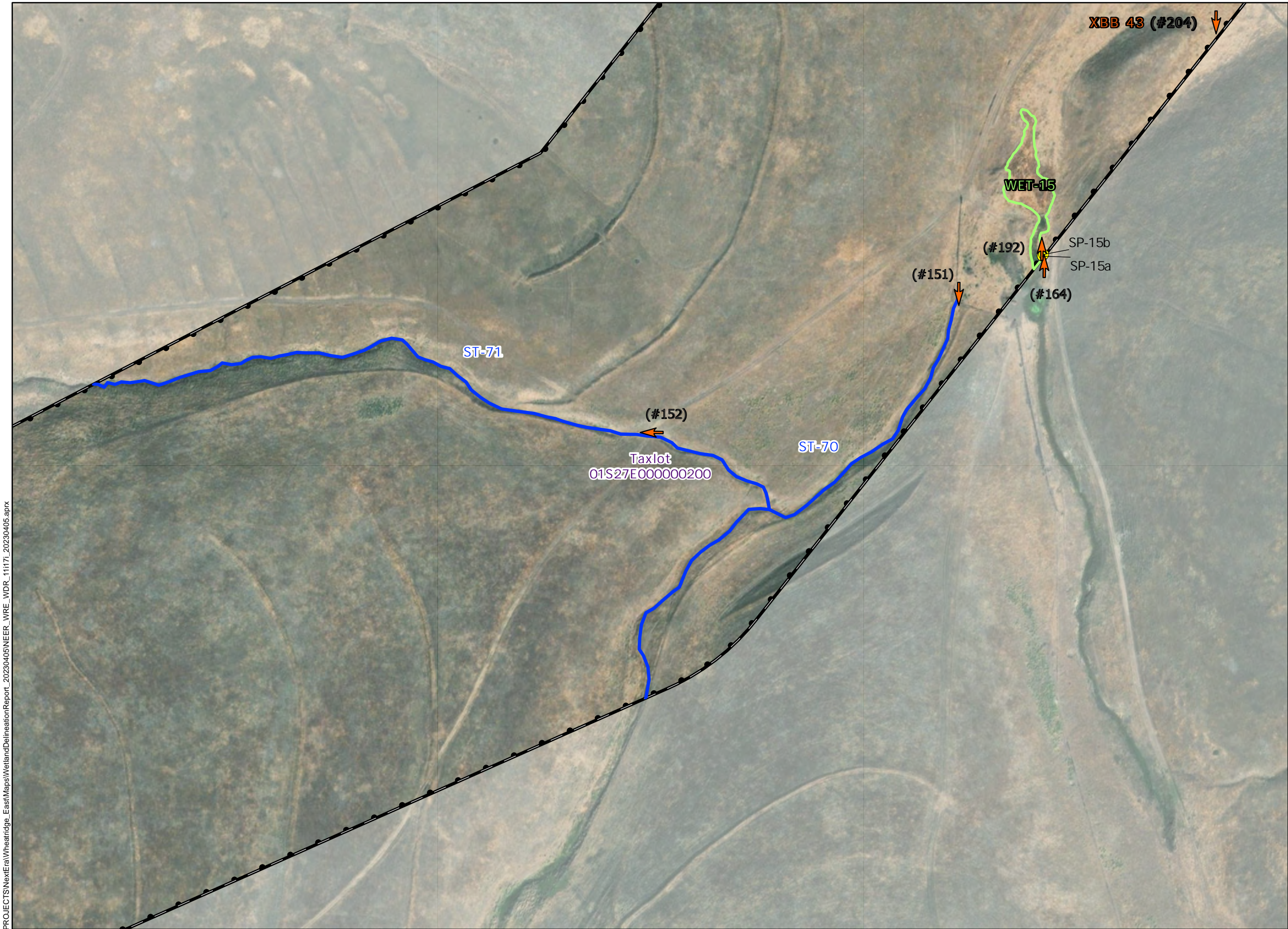
1: 2,400

WGS 1984 UTM Zone 11N



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Wheatridge Renewable Energy Facility East

Figure 5.10.102 Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Survey Access
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.

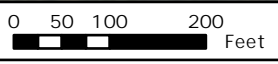


Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



1: 2,400

WGS 1984 UTM Zone 11N









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Wheatridge
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Energy Facility East

Figure 5.10.103
Wetland Delineation Map

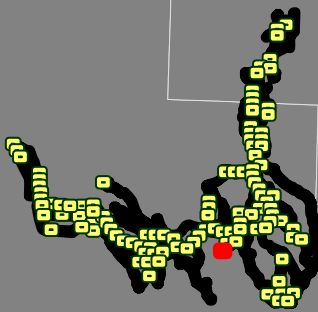
MORROW AND UMATILLA COUNTIES, OR

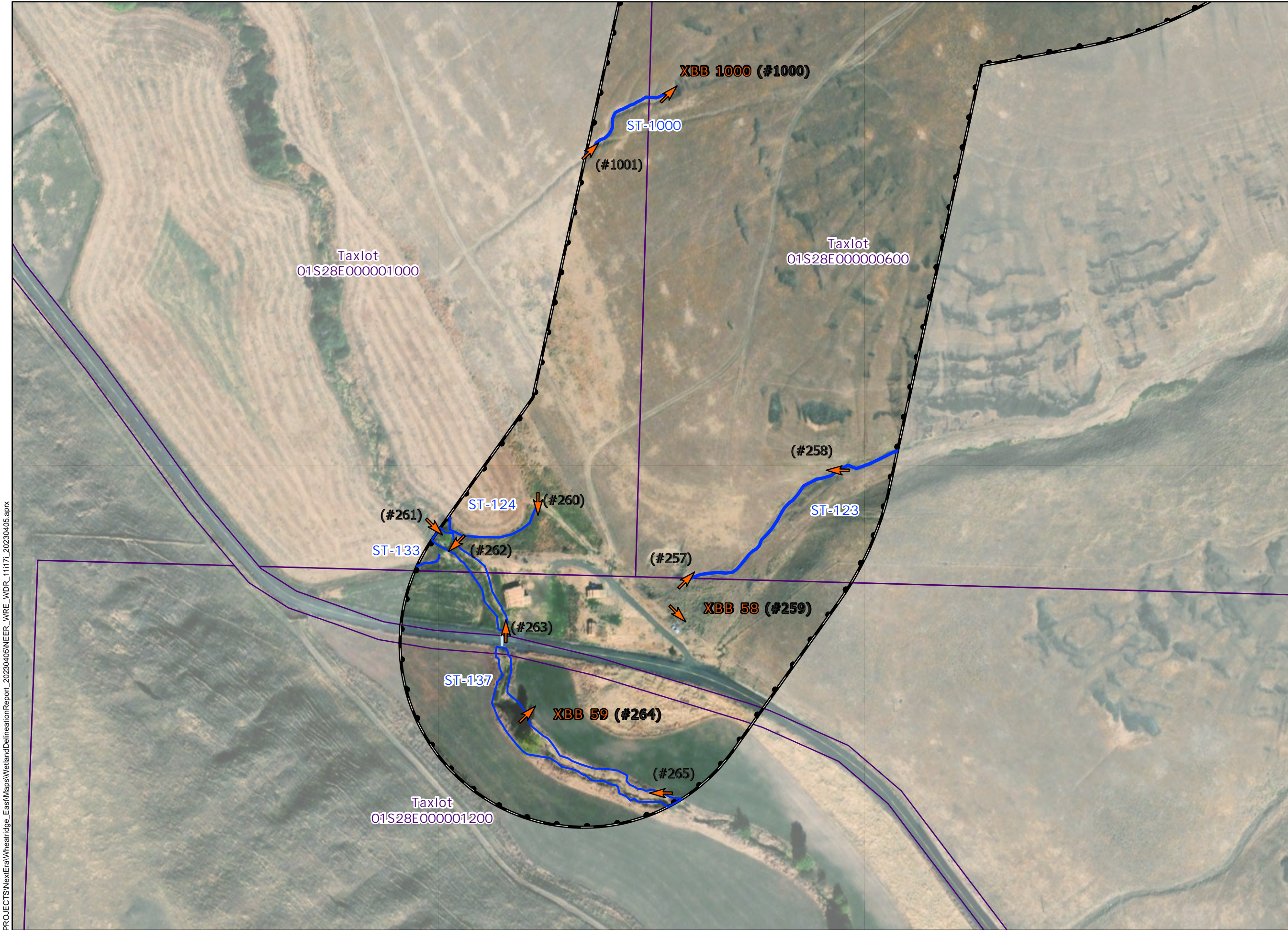
-  Study Area
-  Photo Point (# Photo Number)
-  Culvert
-  Field Delineated Stream
-  Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted.

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	



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1: 2,400

WGS 1984 UTM Zone 11N






0 50 100 200
Feet

NOT FOR CONSTRUCTION

Wheatridge
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Energy Facility East

Figure 5.11.104
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

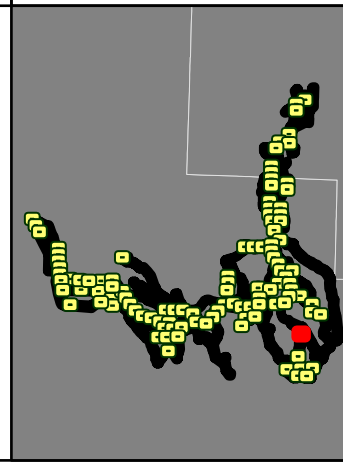
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are \leq 1 meter of the ground location.



Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

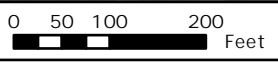


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1: 2,400

WGS 1984 UTM Zone 11N






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Wheatridge Renewable Energy Facility East

Figure 5.11.105
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
- Survey Access
 -  Access Granted

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Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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



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Wheatridge Renewable Energy Facility East

Figure 5.11.106
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

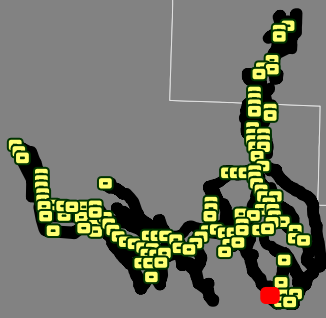
-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
-  Survey Access
-  Access Granted

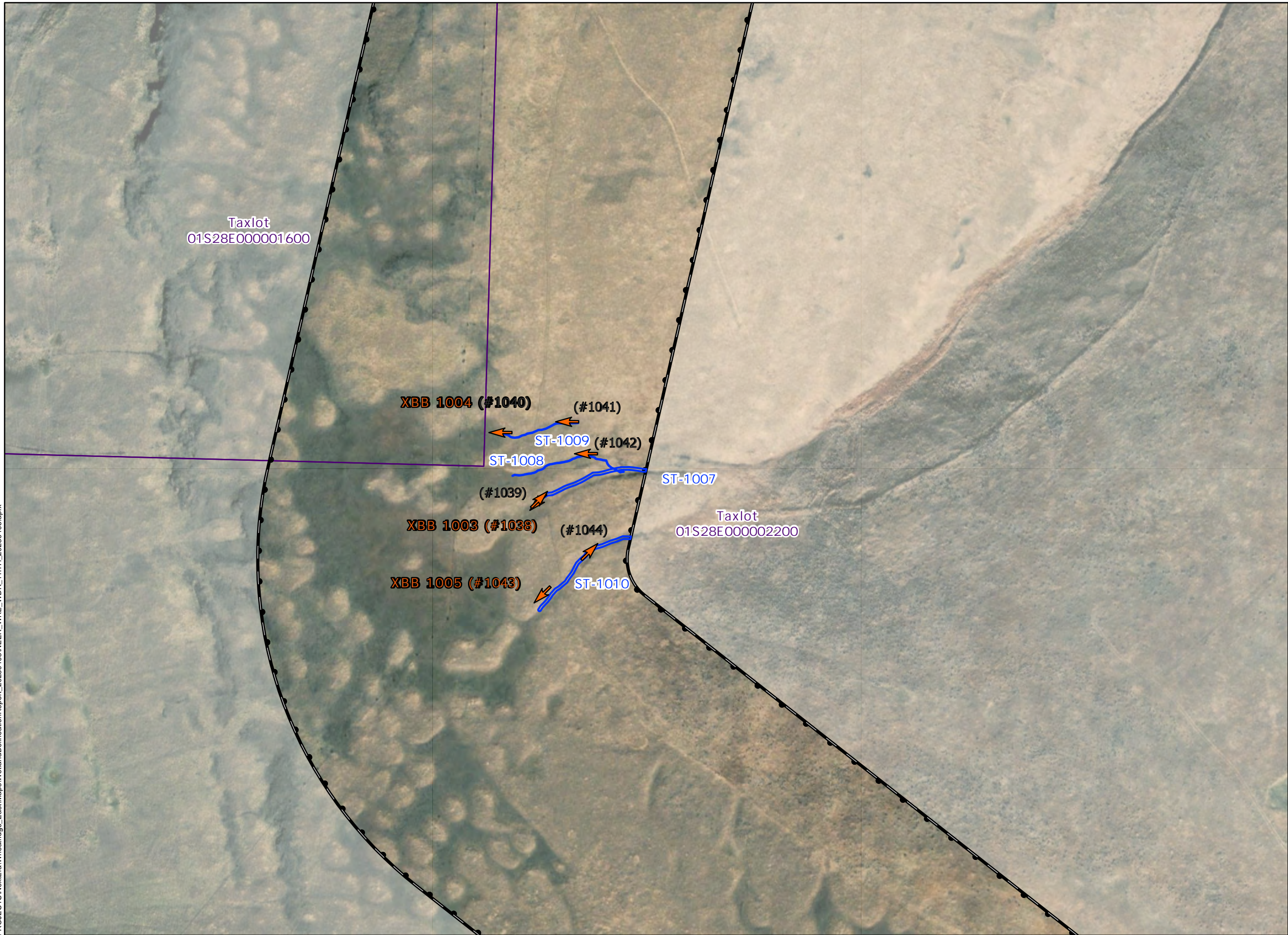
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.



Data Sources	Reference Map
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NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	
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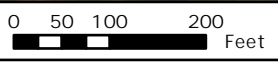


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1: 2,400

WGS 1984 UTM Zone 11N








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Figure 5.11.107
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Wetland
- Survey Access
-  Access Granted

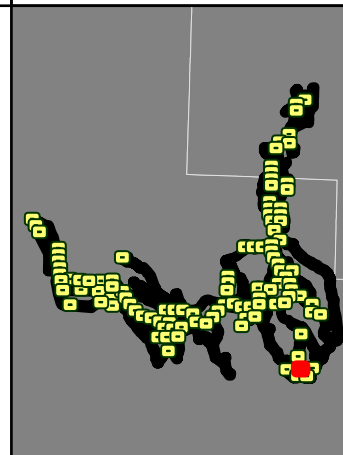
All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.

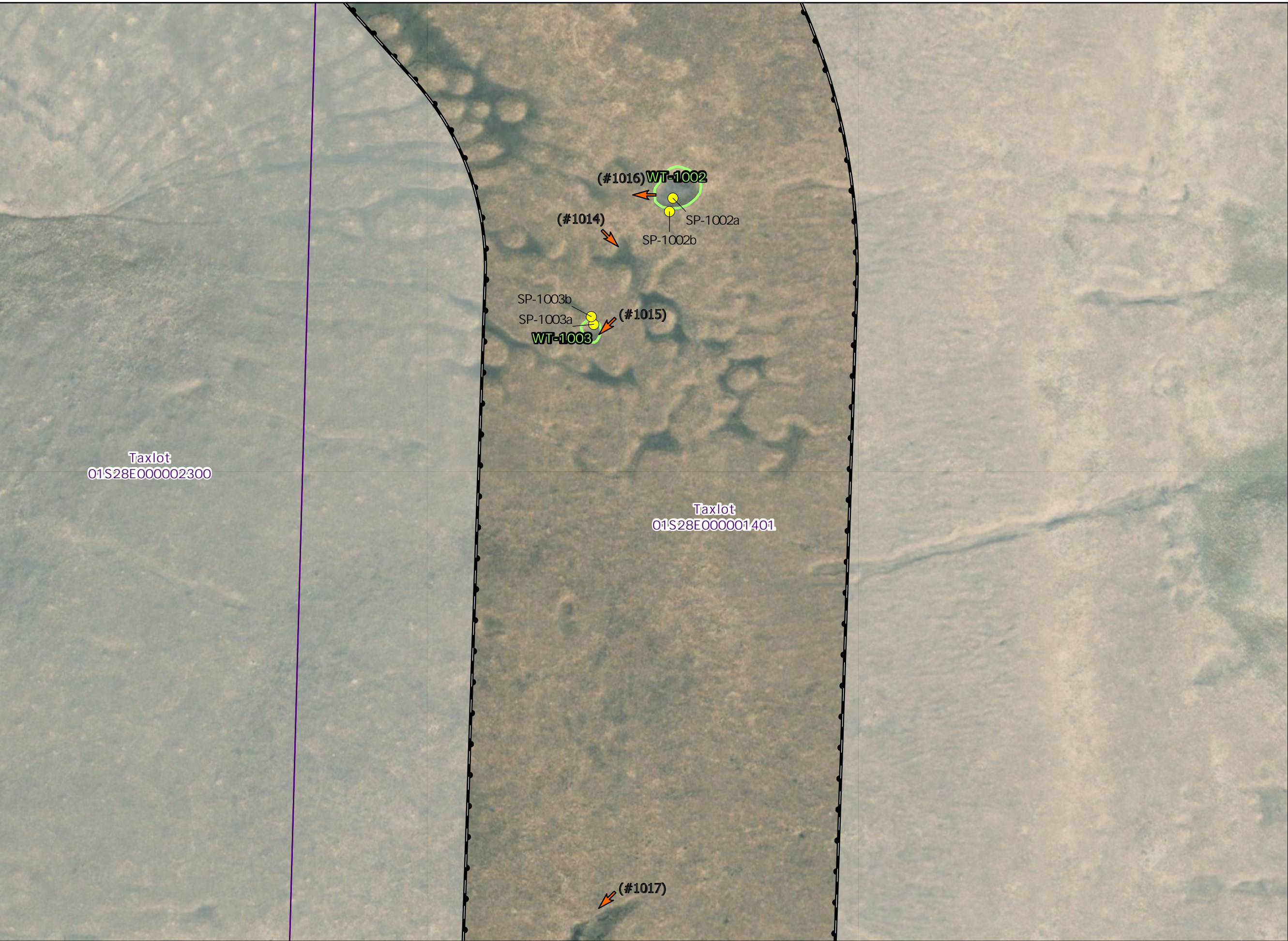


Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic








P:\GIS PROJECTS\NextEra\Wheatridge_East\Maps\WetlandDelineationReport_20230405\NEER_WRE_111171_20230405.aprx



Wheatridge
Renewable
Energy Facility East

Figure 5.11.108
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Sample Plot
-  Field Delineated Wetland
- Survey Access
-  Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

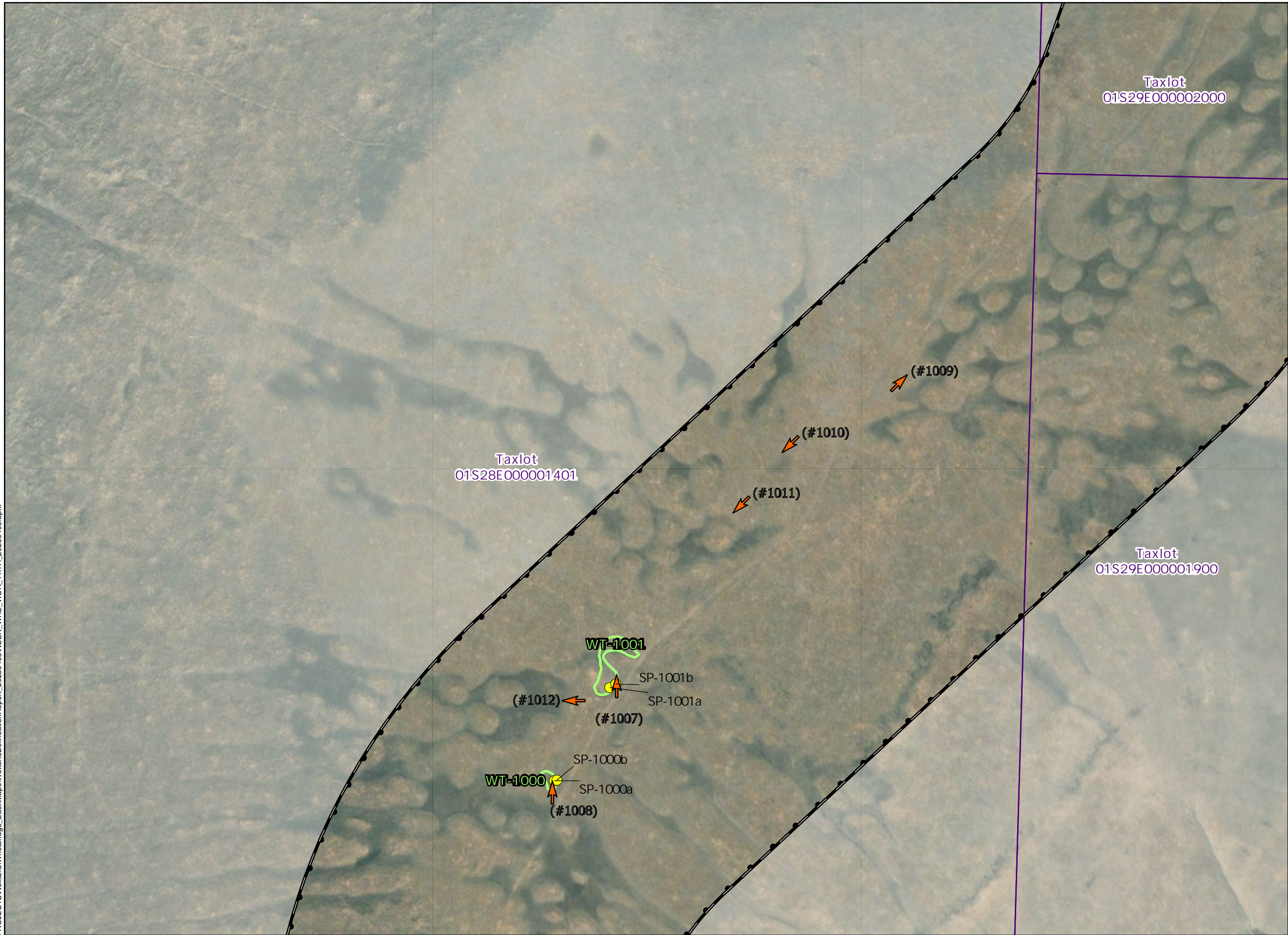
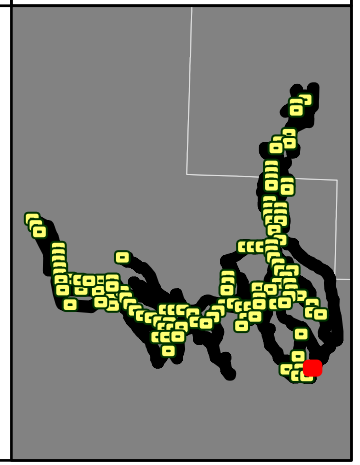
Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < />= 1 meter of the ground location.



Data Sources

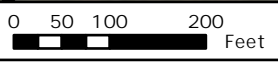
NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

Reference Map



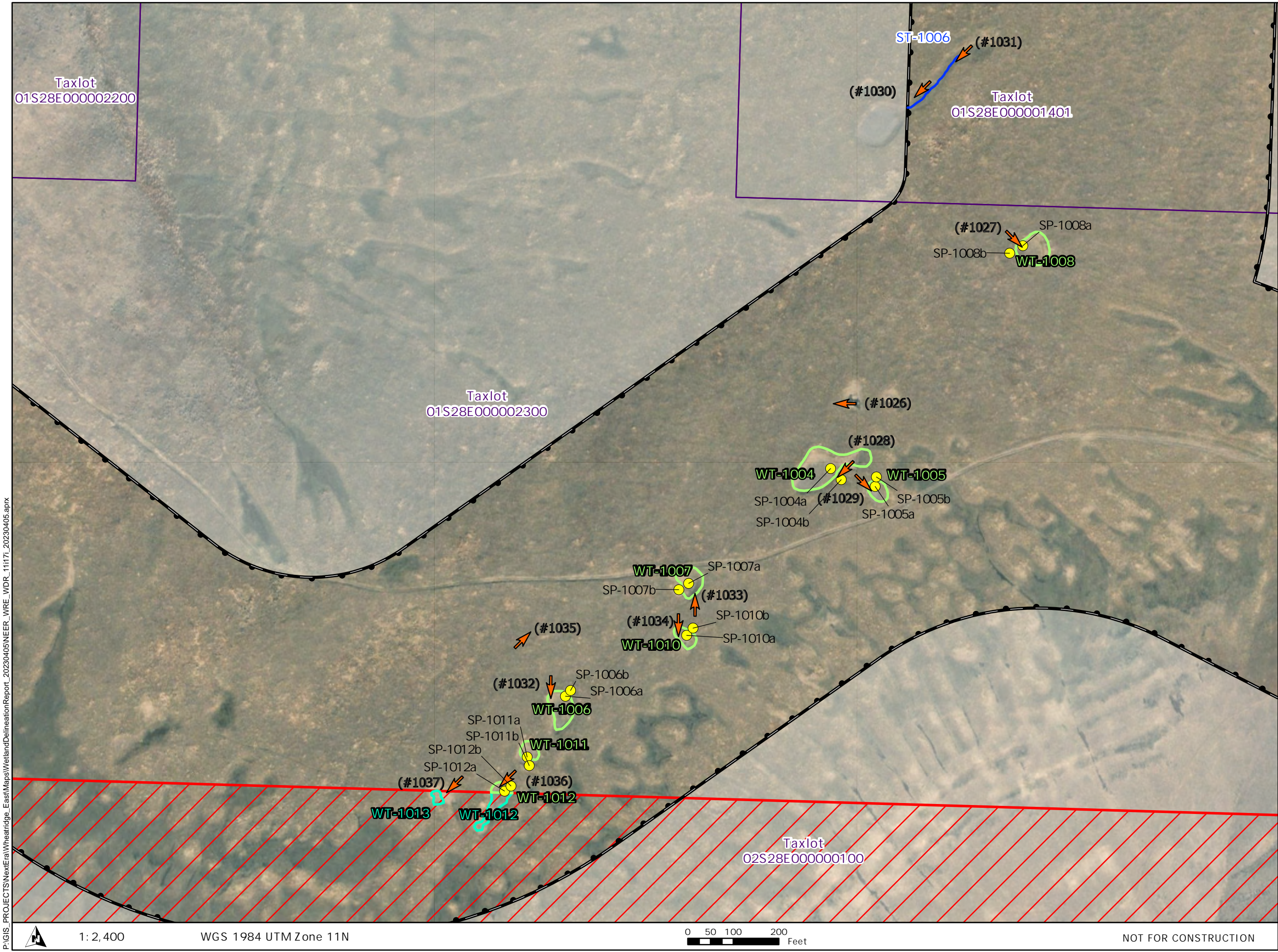
1: 2,400

WGS 1984 UTM Zone 11N



NOT FOR CONSTRUCTION

P:\GIS PROJECTS\NextEra\Wheatridge_East\Maps\WetlandDelineationReport_20230405\NEER_WRE_111171_20230405.aprx



Wheatridge Renewable Energy Facility East

Figure 5.11.109
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

- Study Area
- Photo Point (# Photo Number)
- Sample Plot
- Field Delineated Stream
- Field Delineated Wetland
- Desktop Delineated Wetland
- Survey Access
 - Access Not Granted
 - Access Granted

All delineated wetlands and waters are considered to extend outside of the study area unless otherwise noted

Wetland boundaries, sample plots, and photo points were collected using a sub-meter grade GPS device collecting real-time, sub-meter GNSS data. Mapped features are < / = 1 meter of the ground location.








Data Sources	Reference Map
NextEra-Project Infrastructure: Tiger-Roads; ESRI-Topographic	

P:\GIS PROJECTS\NextEra\Wheatridge_East\Maps\WetlandDelineationReport_20230405\NEER_WRE_WDR_11171_20230405.aprx

Wheatridge
Renewable
Energy Facility East

Figure 5.11.110
Wetland Delineation Map

MORROW AND UMATILLA COUNTIES, OR

-  Study Area
-  Photo Point (# Photo Number)
-  Field Delineated Stream
- Survey Access
 -  Access Not Granted
 -  Access Granted

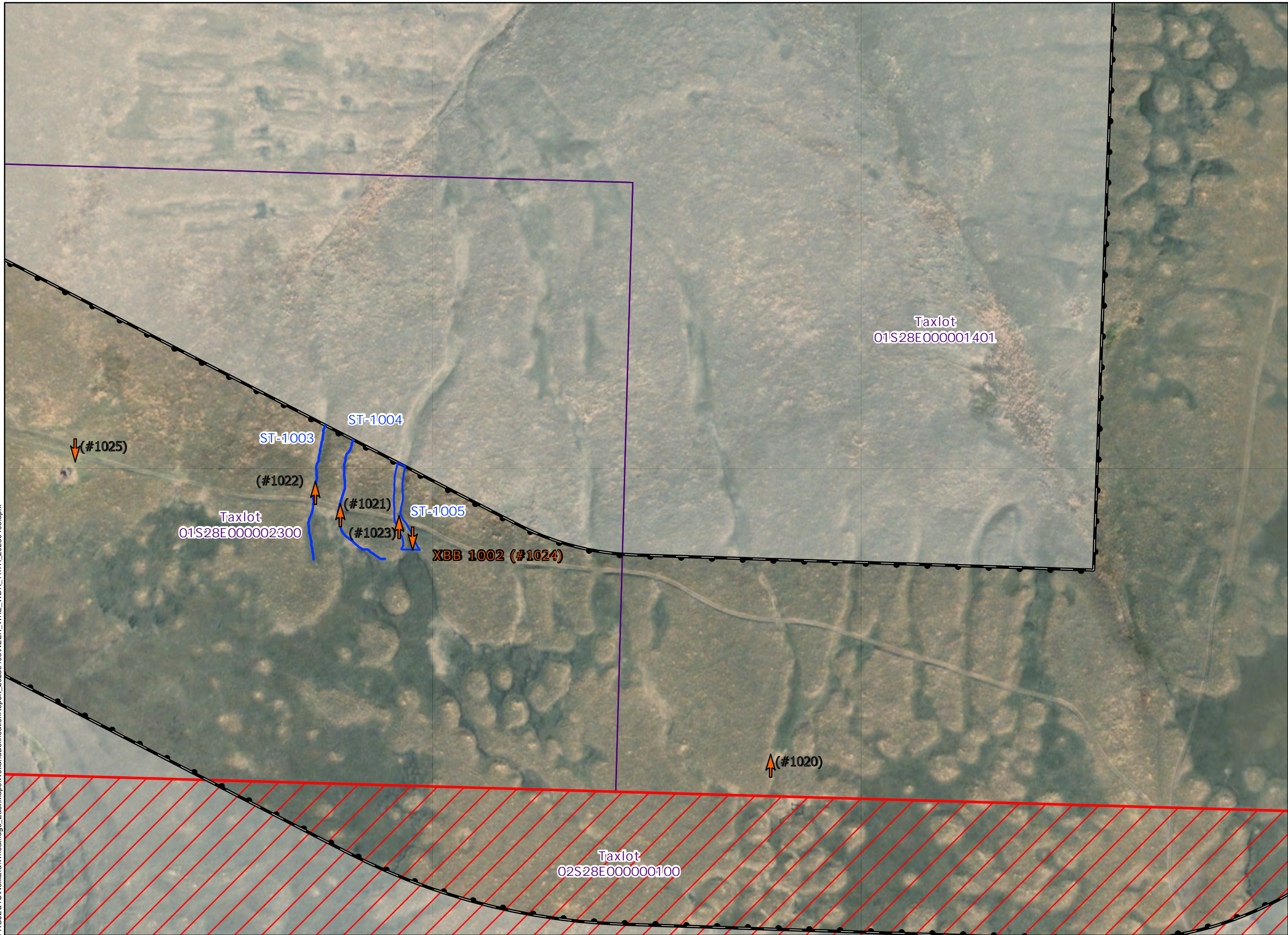
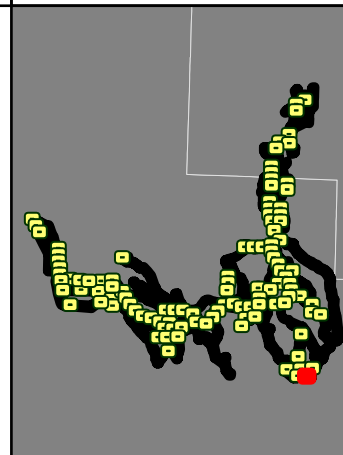
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Data Sources Reference Map

NextEra-Project Infrastructure: Tiger-Roads;
ESRI-Topographic

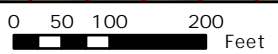


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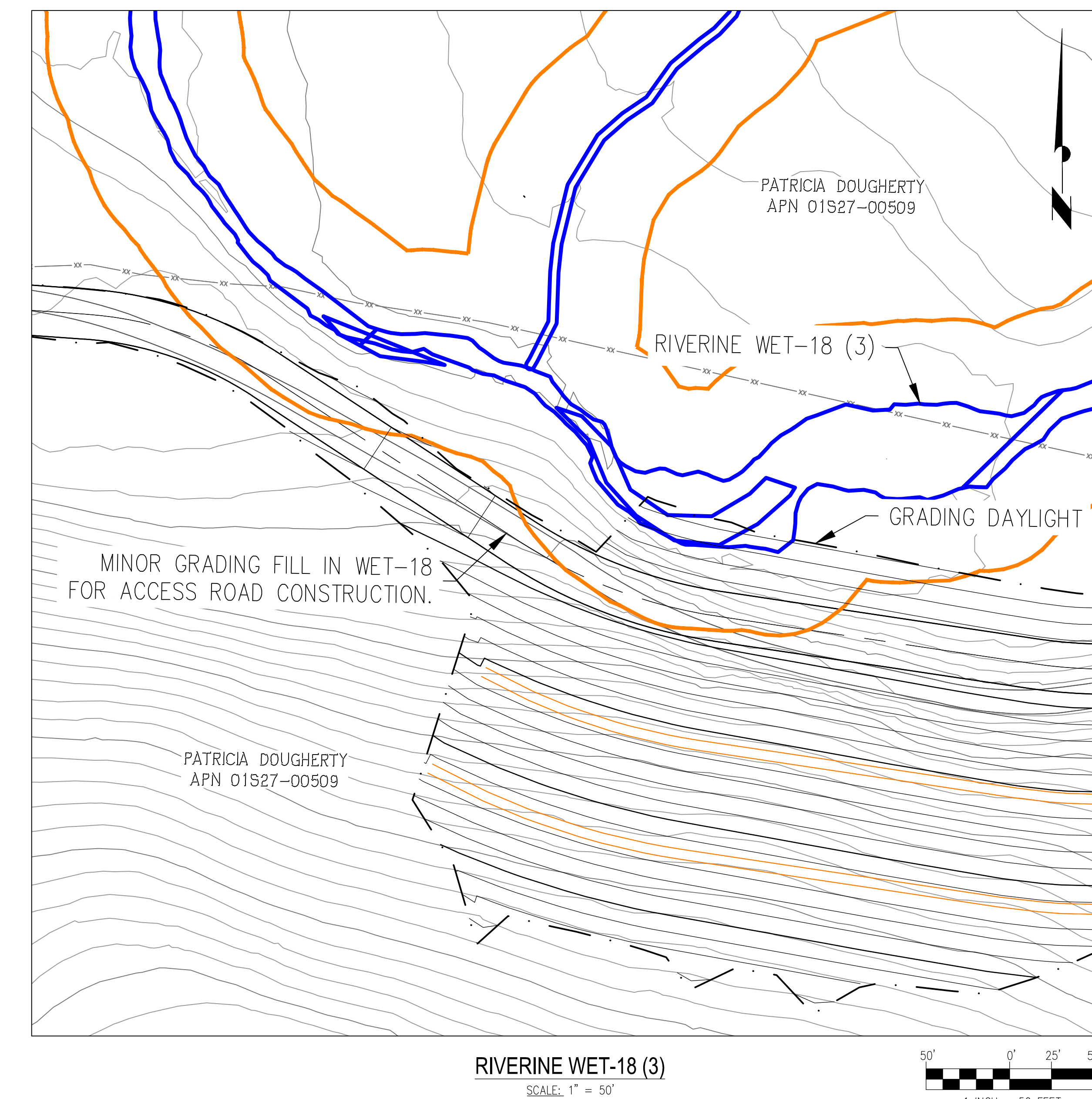
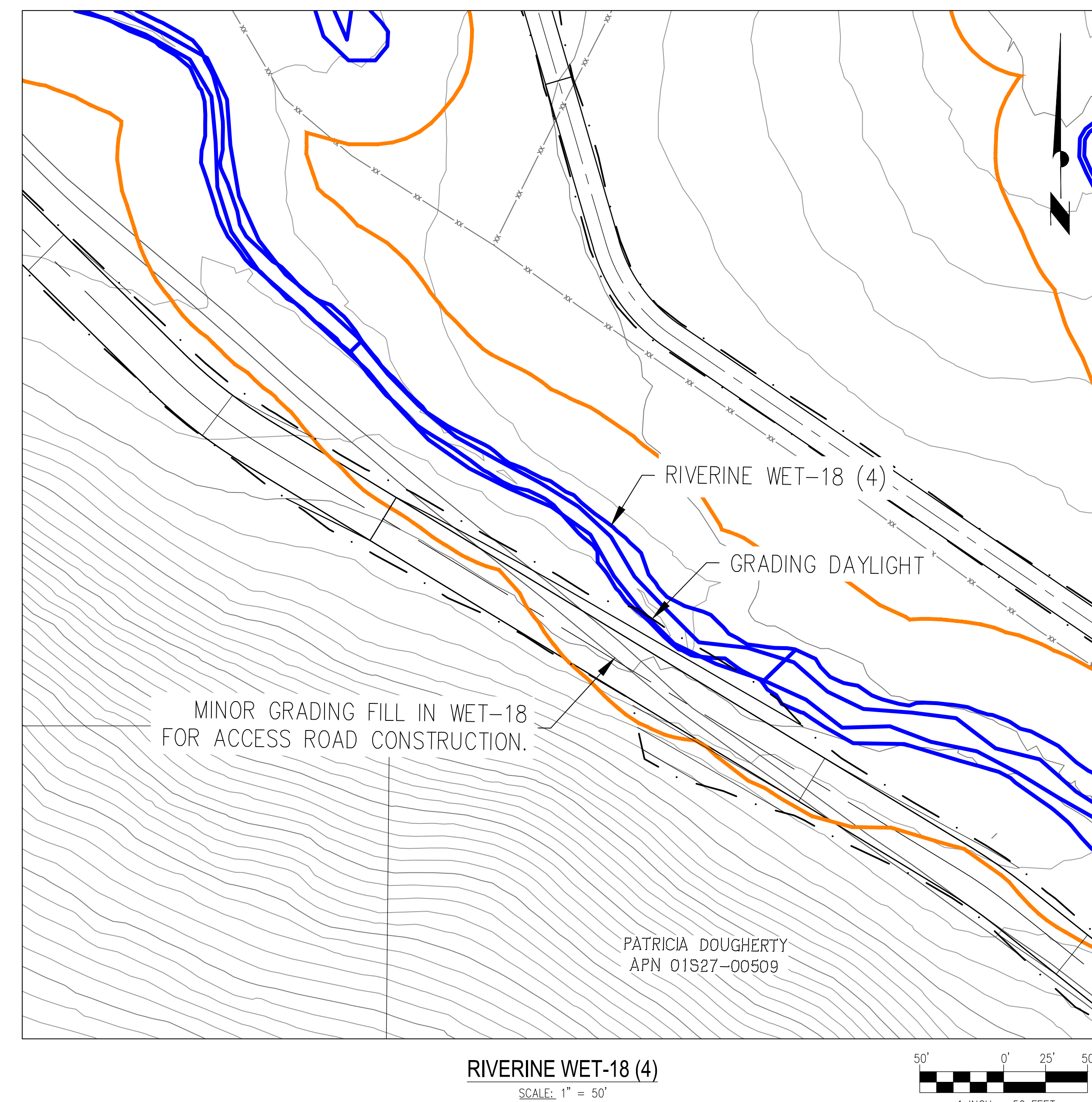
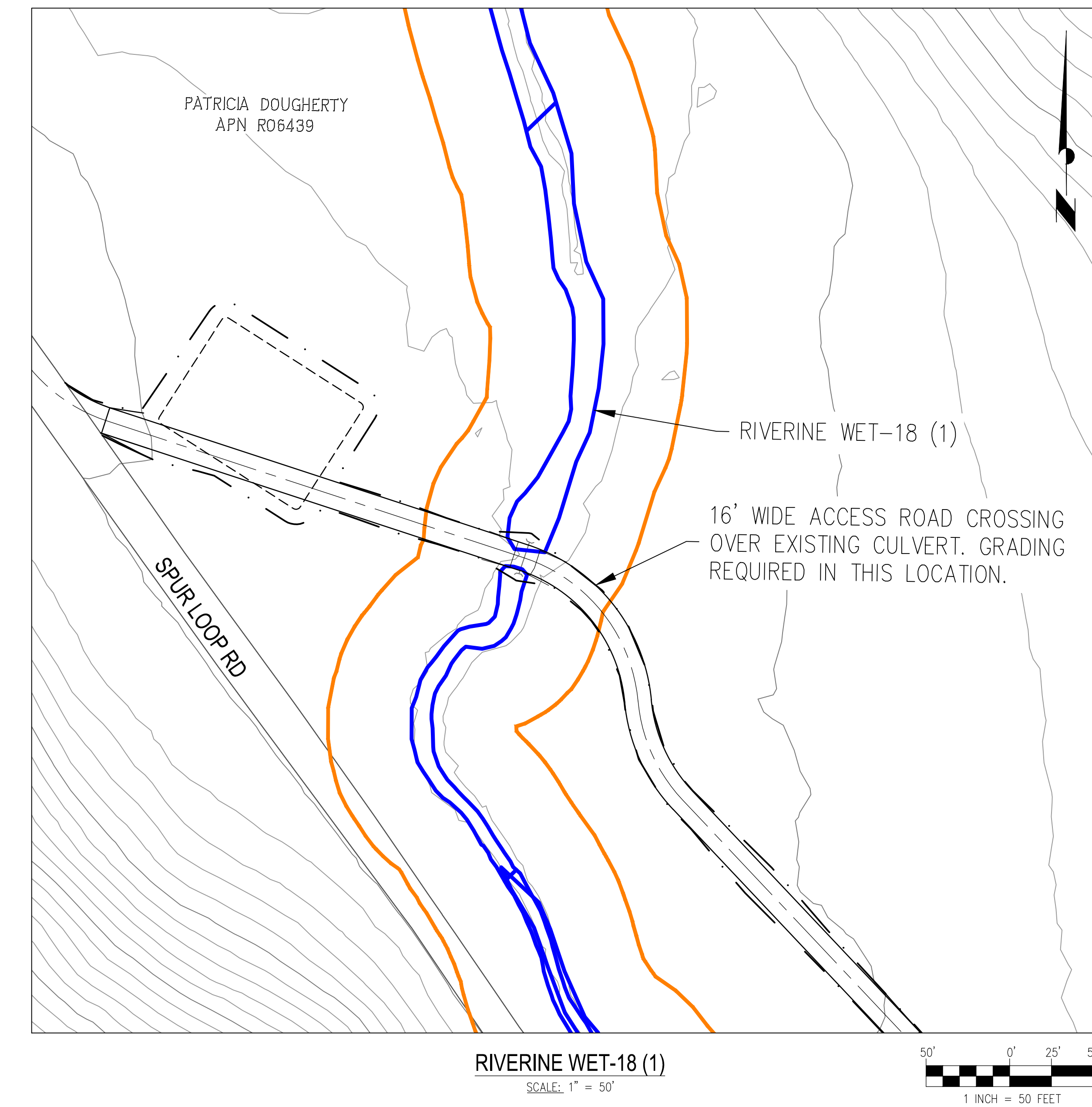
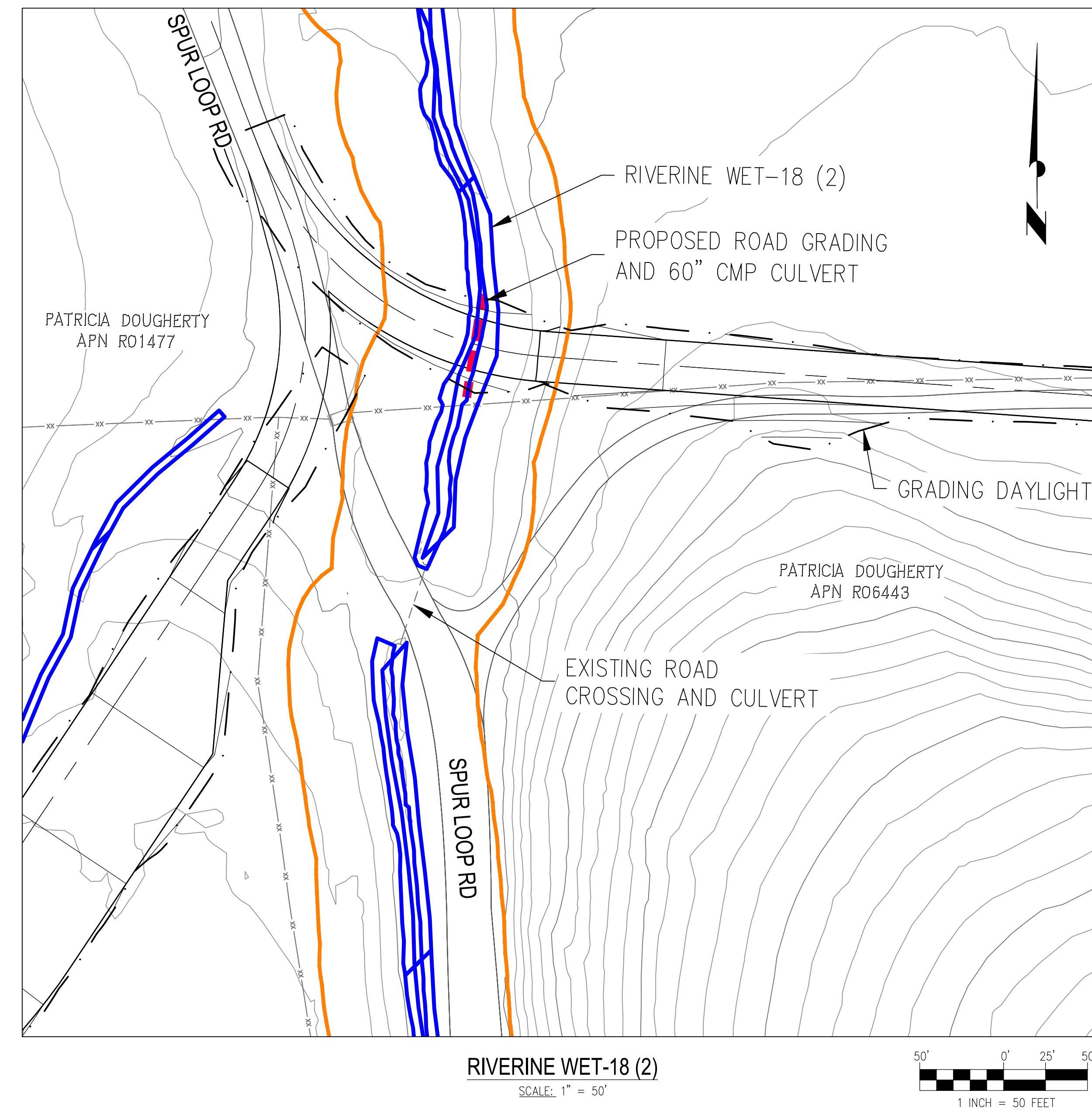
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WGS 1984 UTM Zone 11N

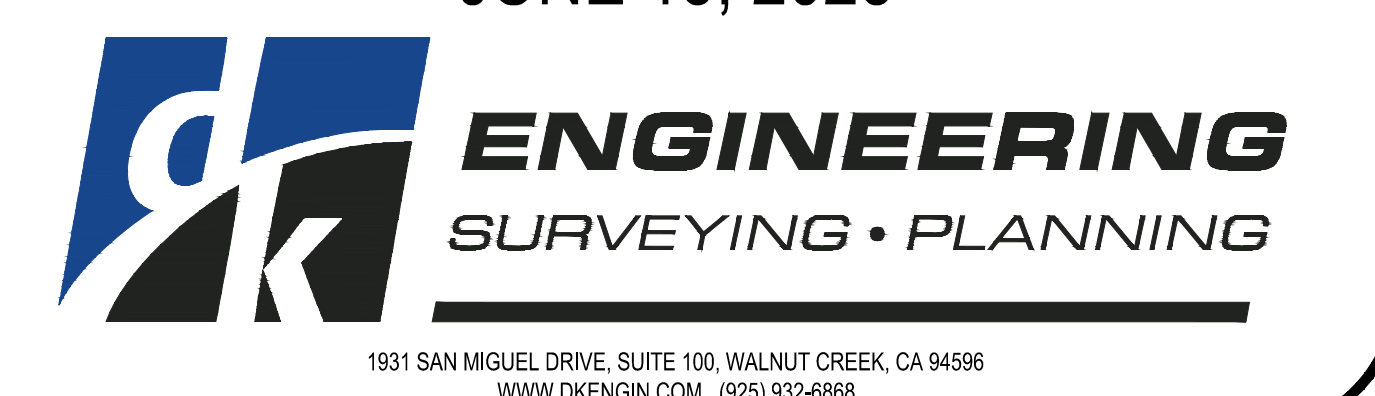


NOT FOR CONSTRUCTION

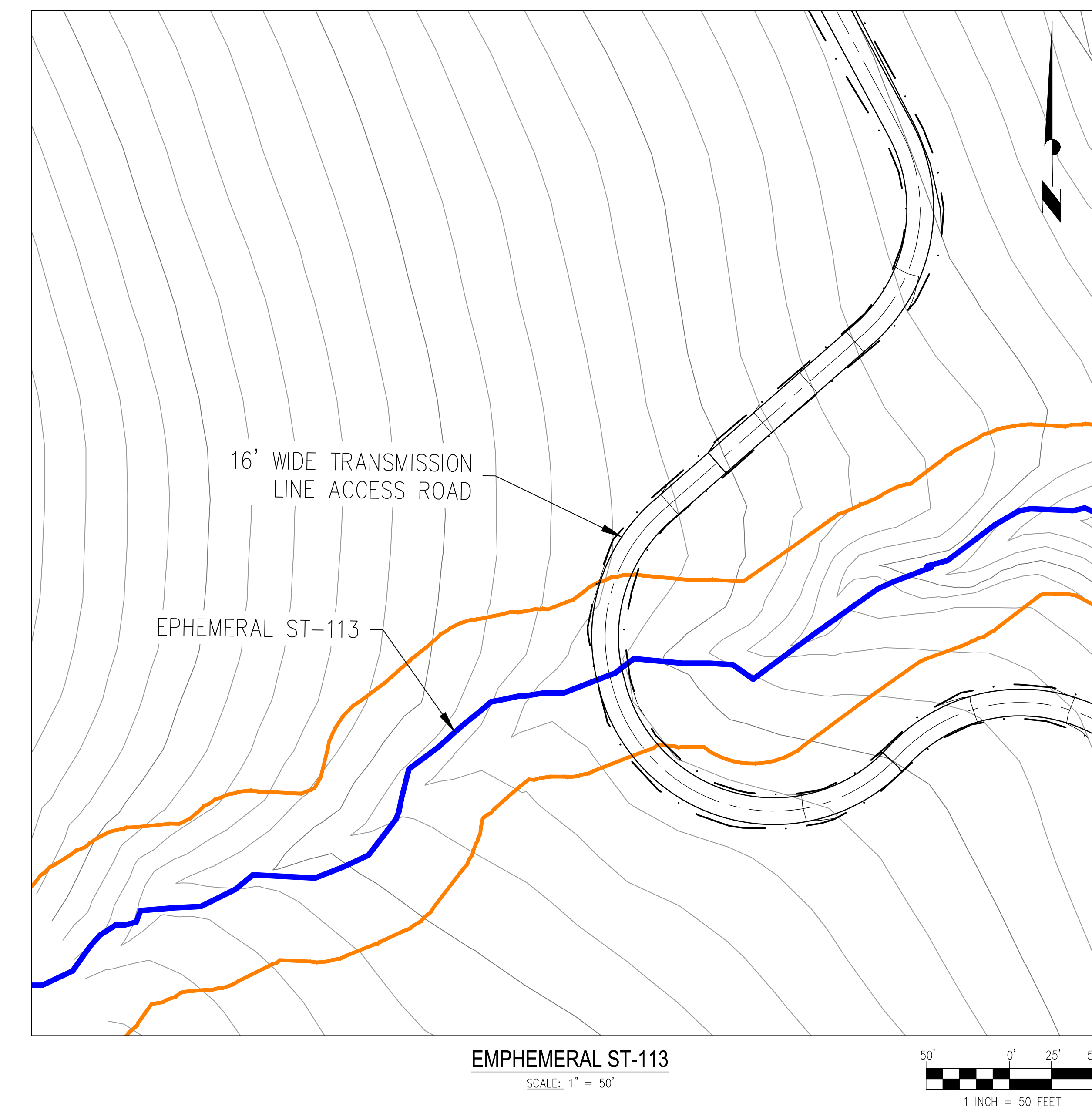
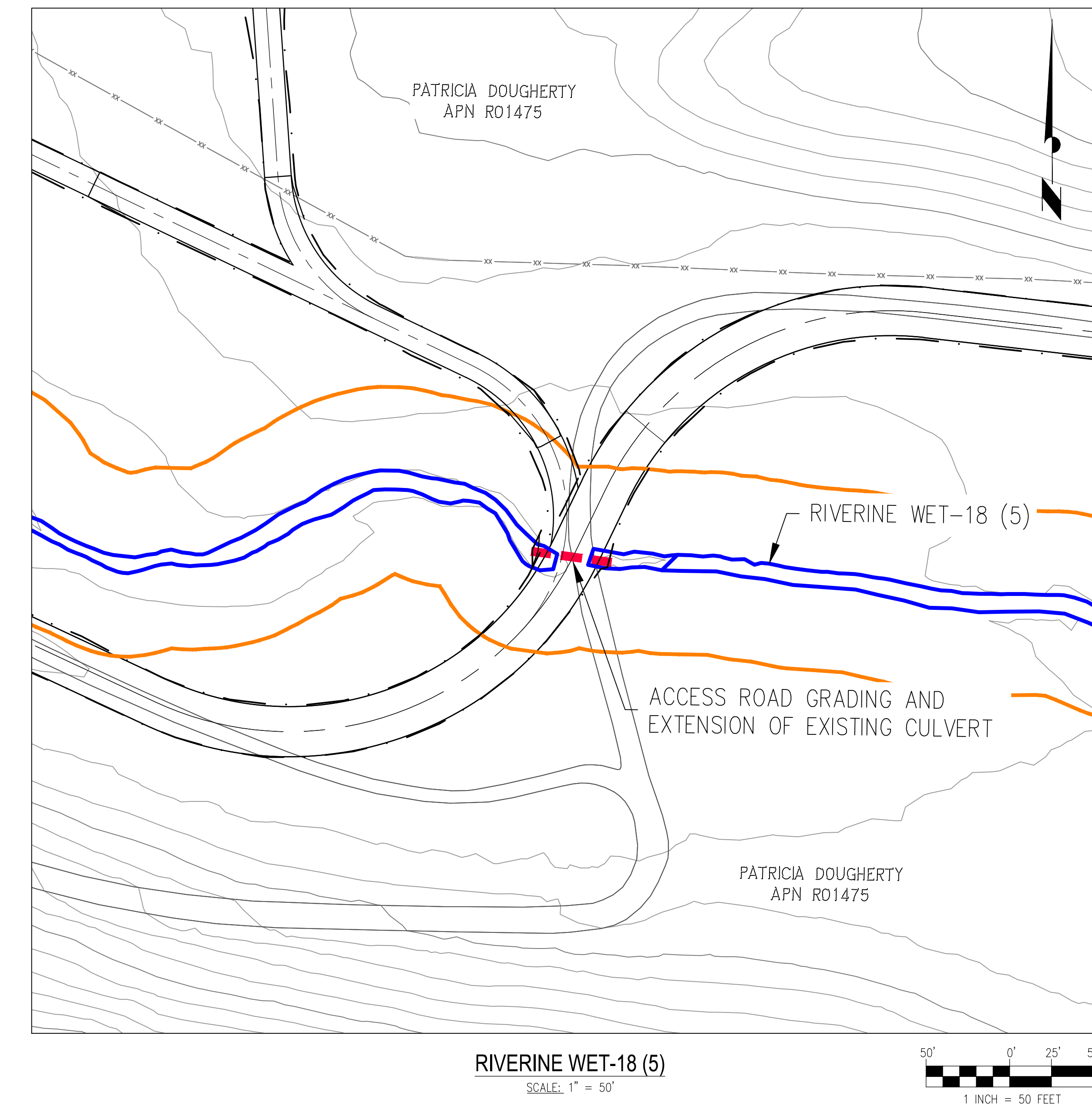
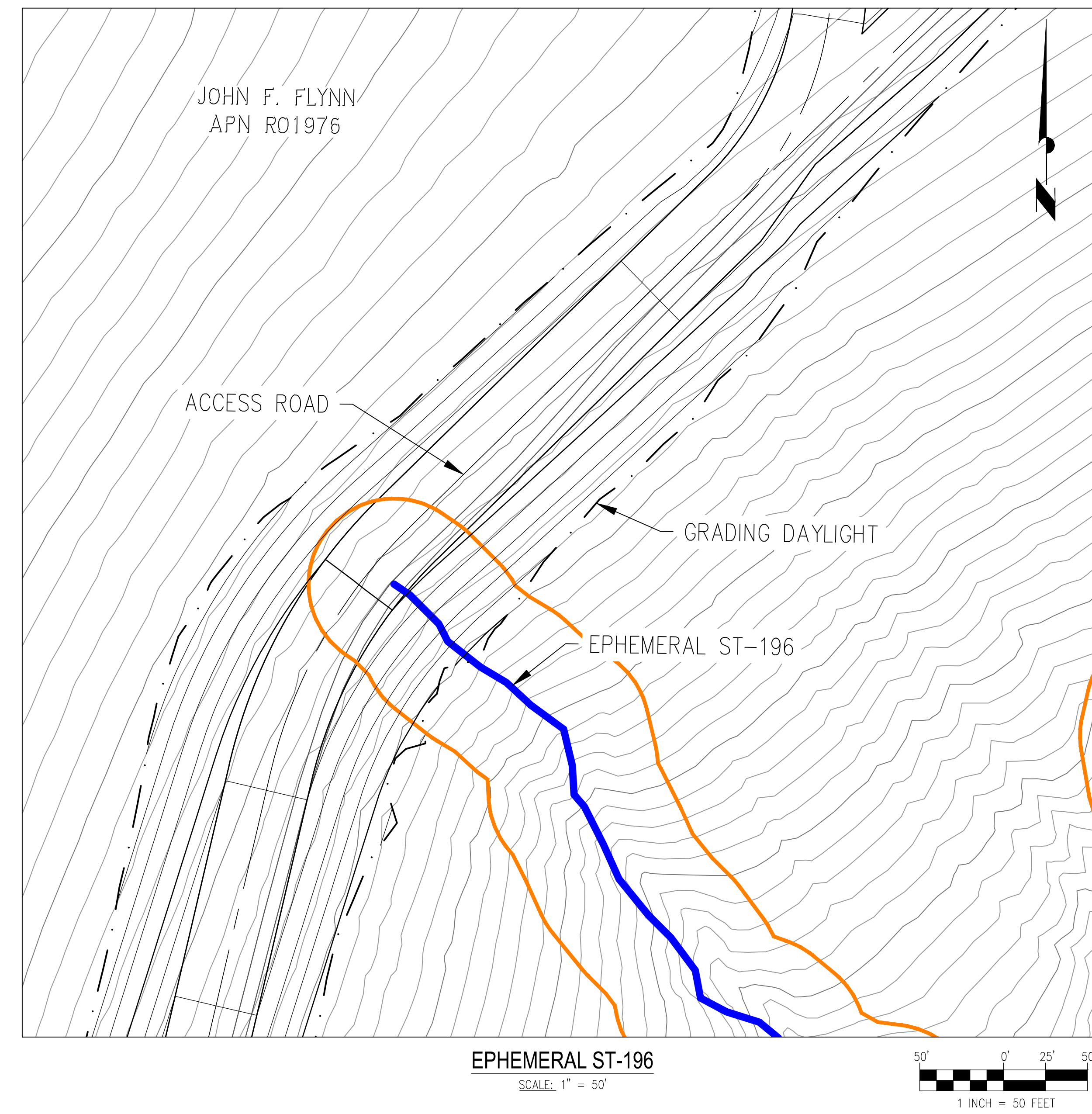
Attachment C. Grading Plan



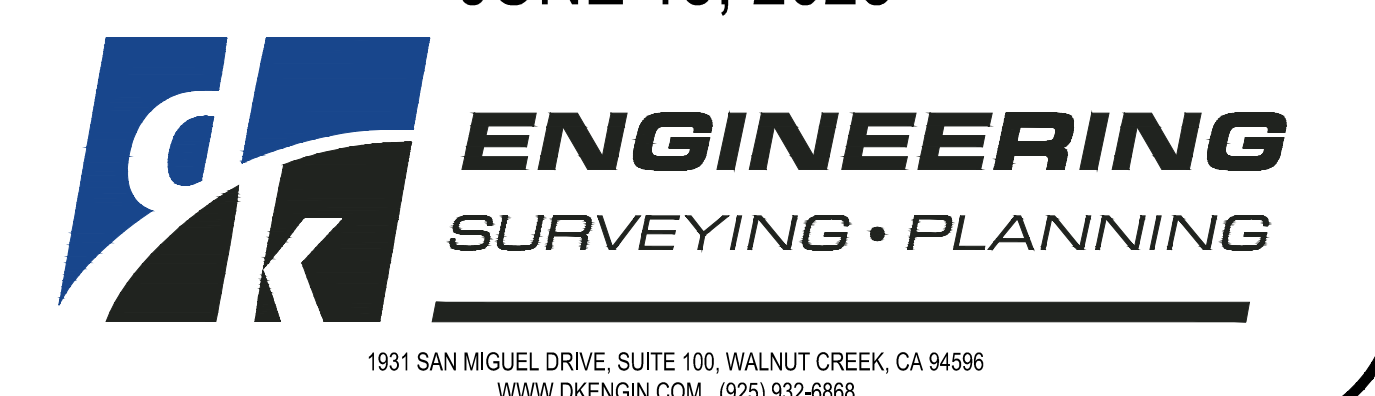
NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
AQUATICS IMPACT EXHIBIT
JUNE 15, 2023

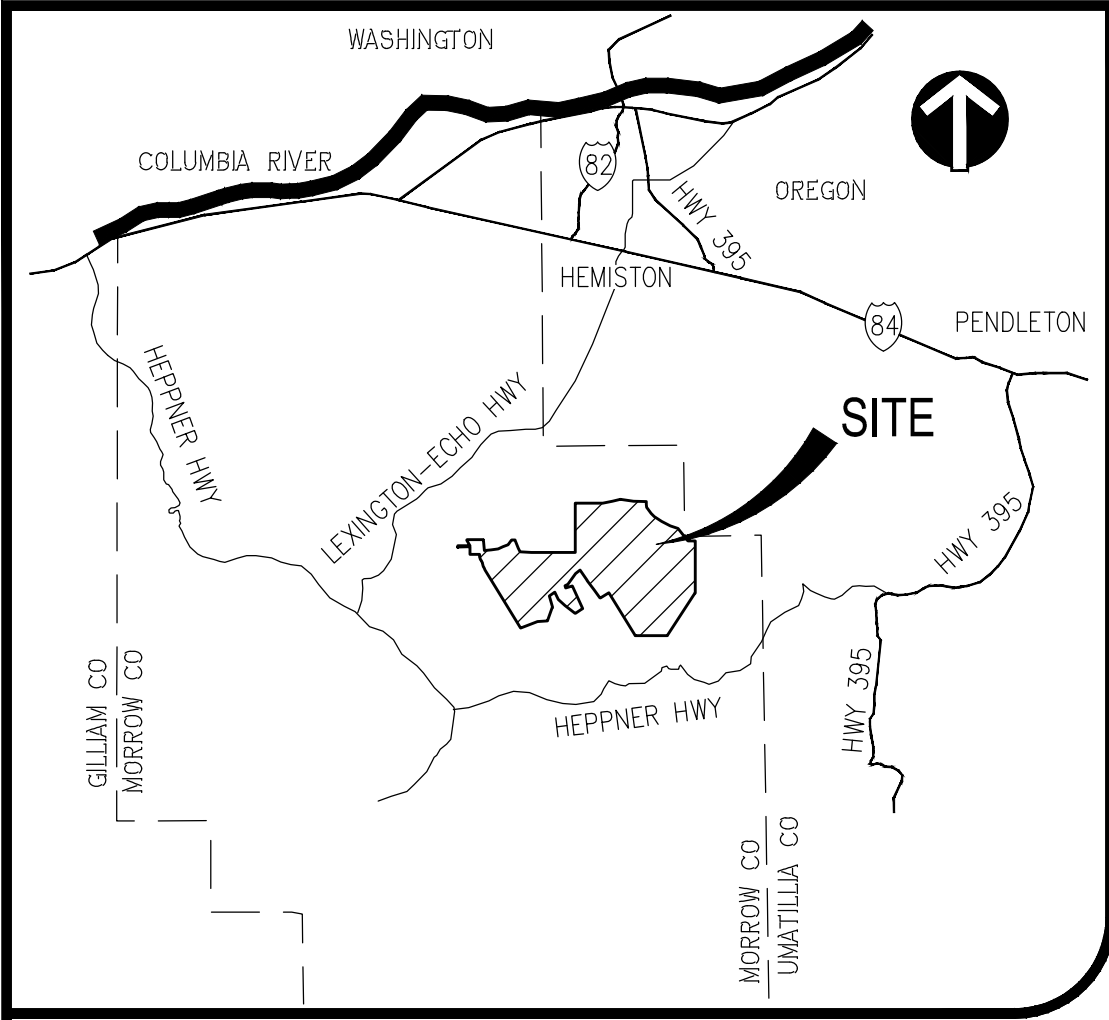


1031 SAN MIGUEL DRIVE, SUITE 100, WALNUT CREEK, CA 94596
WWW.DKENGINE.COM (925) 932-4888



NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
AQUATICS IMPACT EXHIBIT
JUNE 15, 2023





VICINITY MAP
NOT TO SCALE

SITE INFORMATION

SITE ADDRESS: 73114 STRAWBERRY LANE
LEXINGTON, OR 97839

VERTICAL DATUM: ELEVATIONS SHOWN ARE CALCULATED FROM AN OPUS SOLUTION AND AREA NAVD 88 ELEVATIONS USING THE GEOID128.

HORIZONTAL DATUM: THE BEARINGS SHOWN HEREON ARE BASED UPON A GLOBAL POSITION SURVEY (GPS) AND ARE ON NAD83 (2011)(EPOCH:2010.0000), OREGON NORTH STATE PLAN ZONE. THE UNITS ARE INTERNATIONAL FOOT. DISTANCES SHOWN ARE ON GRID; TO OBTAIN GROUND DISTANCES MULTIPLY GRID DISTANCES BY 0.99979308.

AERIAL PHOTOGRAPHY DATES: GEOTERRA INC. JULY 14, 2022

PROJECT TEAM

APPLICANT/OWNER: NEXTERA ENERGY RESOURCES
700 UNIVERSE BLVD.
JUNO BEACH, FLORIDA 33408
PHONE No. (305) 570-8177
CONTACT: REINA FERRER

CIVIL ENGINEER: dk ENGINEERING
1931 SAN MIGUEL DRIVE, SUITE 100
WALNUT CREEK, CA
PHONE No. (925) 932-6868
CONTACT: ANDREW DUARTE

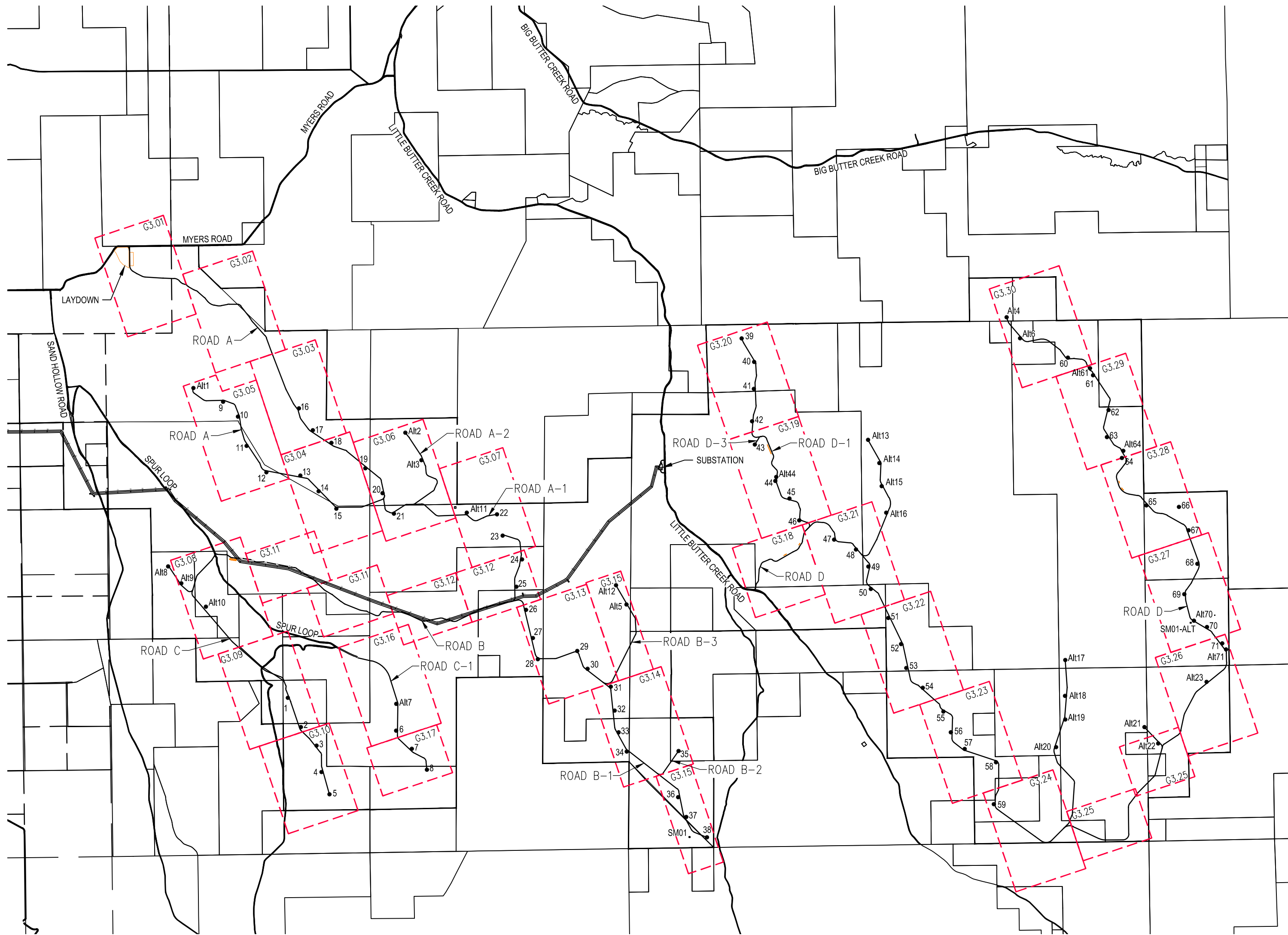
GEOTECHNICAL ENGINEER: BARR
4300 MARKETPOINTE DRIVE, SUITE 200
MINNEAPOLIS, MN 55435
PHONE No. (952) 842-3740
CONTACT: JOE CHILSON

ENVIRONMENTAL CONSULTANT / BIOLOGIST: TETRA TECH
1750 S HARBOR WAY, SUITE 400
PORTLAND, OR 97201
PHONE NO. (503) 721-7225
CONTACT: CARRIE KONKOL

ABBREVIATIONS

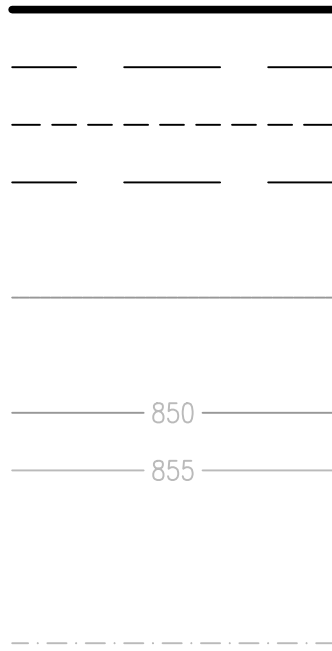
AVG AVERAGE
BC BEGINNING OF CURVE
BVC BEGINNING OF VERTICAL CURVE
CL CENTERLINE ELEVATION
CMP CORRUGATED METAL PIPE
CONC CONCRETE
DIA DIAMETER
DWG DRAWING
EC END OF CURVE
EG EXISTING GRADE
ELEV ELEVATION
EVC END OF VERTICAL CURVE
EX EXISTING
FG FINISH GRADE
GB GRADE BREAK
HP HIGH POINT
INV INVERT
LF LINEAL FEET
MAX MAXIMUM
MIN MINIMUM
MT MET TOWER
PL PROPERTY LINE
PVI POINT OF VERTICAL INTERSECTION
R RIGHT
REC RECORD INFORMATION
R/W RIGHT OF WAY
SF SQUARE FEET
STA STATION
STD STANDARD
TYP TYPICAL

GRADING PLANS WHEATRIDGE EAST MORROW COUNTY, OREGON



SITE MAP
SCALE: 1" = 5000'

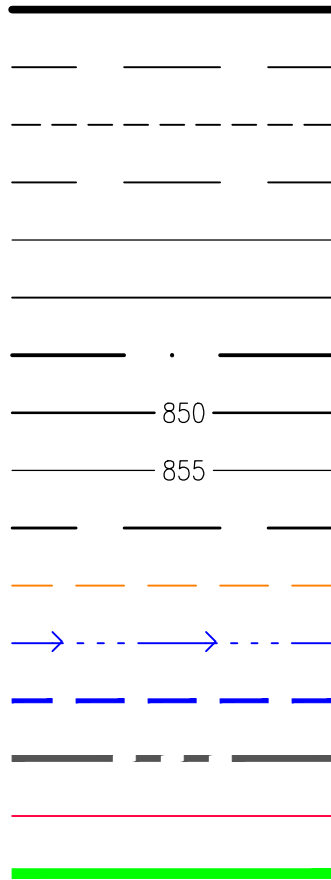
EXISTING



LEGEND

PROJECT BOUNDARY
PROPERTY LINE
EASEMENT LINE
ADJACENT PROPERTY LINE
GRAVEL ROAD CENTERLINE
EDGE OF GRADED ROAD
GRADING DAYLIGHT LINE
MAJOR CONTOUR LINE (25')
MINOR CONTOUR LINE (5')
PAD LINE
BENCH LINE
EARTHEN DITCH
DRAINAGE CROSSING - CULVERT
FLUME
UNDERGROUND COLLECTION LINE (FOR REFERENCE ONLY)
ADJUSTED SURVEY CORRIDOR
RARE PLANTS, BUILDABLE WITH MITIGATION
ENVIRONMENTAL/CULTURAL RESOURCE, NON-BUILDABLE
OCCUPIED HAWK NEST, NON-BUILDABLE
UNOCCUPIED NEST, BUILDABLE WITH MITIGATION
EXISTING DRAINAGE AND 50' SETBACK LINE
GRADING - CUT/FULL
TURBINE LOCATION, NAME, AND PAD ELEVATION
MET TOWER LOCATION AND NAME

PROPOSED



EARTHWORK (CY)

	CUT	FILL
TURBINE ACCESS ROADS/PADS	760,000	760,000
TRANSMISSION LINE ACCESS ROADS	144,192	73,039
SUBSTATION ACCESS ROADS/PAD	29,236	24,083

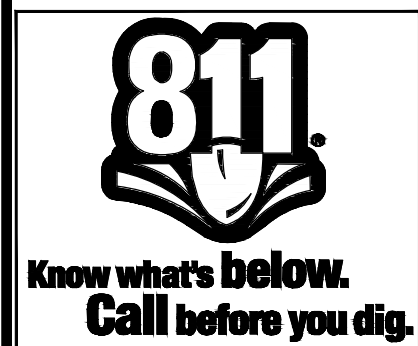
*CONTRACTOR TO BALANCE EARTHWORK AT EACH TRANSMISSION LINE ACCESS STRING & SUBSTATION.

QUANTITIES

ITEM	TOTAL
TURBINE ACCESS ROADS	44.1 MILES
TURBINES	71 PRIMARIES, 23 ALTERNATES
TRANSMISSION ACCESS ROADS	16.1 MILES

SHEET INDEX

NUMBER	NAME	PAGE
GRADING PLANS		
G1.00	COVER SHEET	1
G1.01	NOTES	2
G2.00	DETAILS	3
G2.01	DETAILS	4
G3.01	ROAD A 1+00 - 53+10	5
G3.02	ROAD A 53+10 - 125+98	6
G3.03	ROAD A 125+98 - 188+77	7
G3.04	ROAD A 188+77 - 214+05, 249+37 - 309+17	8
G3.05	ROAD A 309+17 - END	9
G3.06	ROAD A-1 1+00 - 56+58, ROAD A-2 ALL	10
G3.07	ROAD A-1 56+88 - END	11
G3.08	ROAD C 1+00 - 72+65, ROAD B 1+00 - 22+22	12
G3.09	ROAD C 72+65 - 140+71	13
G3.10	ROAD C 140+71 - END	14
G3.11	ROAD B 22+22 - 120+52	15
G3.12	ROAD B 120+52 - END, ROAD B-1 1+00 - 9+97	16
G3.13	ROAD B-1 9+97 - 95+25	17
G3.14	ROAD B-1 95+25 - 162+88, ROAD B-2 1+00 - END	18
G3.15	ROAD B-1 162+88 - END, ROAD B-3 1+00 - END	19
G3.16	ROAD C-1 1+00 - 48+53	20
G3.17	ROAD C-1 48+53 - END	21
G3.18	ROAD D 1+00 - 53+89	22
G3.19	ROAD D-1 4+43 - 80+33	23
G3.20	ROAD D-1 80+33 - END	24
G3.21	ROAD D 53+89 - 138+37, ROAD D-1 1+00 - 4+43	25
G3.22	ROAD D 138+37 - 204+64	26
G3.23	ROAD D 204+64 - 280+26	27
G3.24	ROAD D 280+26 - 347+97	28
G3.25	ROAD D 347+97 - 456+71	29
G3.26	ROAD D 456+71 - 526+75	30
G3.27	ROAD D 526+75 - 598+01	31
G3.28	ROAD D 598+01 - 673+32	32
G3.29	ROAD D 673+32 - 736+93	33
G3.30	ROAD D 736+93 - END	34
G4.00	T-LINE TOWERS 1-7	35
G4.01	T-LINE TOWERS 8-14	36
G4.02	T-LINE TOWERS 15-23	37
G4.03	T-LINE TOWERS 24-29	38
G4.04	T-LINE TOWERS 30-37	39
G4.05	T-LINE TOWERS 38-45	40
G4.06	T-LINE TOWERS 46-52	41
G4.07	T-LINE TOWERS 53-61	42
G4.08	T-LINE TOWERS 62-68	43
G4.09	T-LINE TOWERS 69-77	44
G4.10	T-LINE TOWERS 77-86	45
G4.11	T-LINE TOWERS 87-95	46
G4.12	T-LINE TOWERS 96-109	47
G5.00	SUBSTATION GRADING	48



DATE: 05-17-23

SCALE: 1" = 200'

VERT. N/A

DESIGNED BY: AMD

REVIEWED BY: SDG

G1.00

PAGE 1 OF 48

AGENCY

dk

04-16-2023

DATE

NO.

101354PE

REGISTERED PROFESSIONAL ENGINEER

OREGON

ANDREW DUARTE

5/19/2023

PHONE: (925) 932-6868

DESIGN: GDM

1931 SAN MIGUEL DR., SUITE 100

WALNUT CREEK, CA 94596

WHEATRIDGE EAST

COVER SHEET

GRADING PLANS

WHEATRIDGE EAST

NEXTERA ENERGY RESOURCES

5/19/2023

COVER - 2171.dwg

GP - MORROW COUNTY

GRADING PLAN

OREGON

GRADING NOTES

1.

ALL EARTHWORK FOR ACCESS AND SERVICE ROADS, SUBSTATION AND UNDERGROUND ELECTRICAL SHALL BE CONSIDERED UNCLASSIFIED REGARDLESS OF TYPE OF MATERIALS ENCOUNTERED AND SHALL INCLUDE, BUT NOT LIMITED TO:
- SITE CLEARING;
- ROUGH AND FINISHED GRADING;
- EXCAVATING, FILLING, AND COMPACTING TO OBTAIN REQUIRED GRADES AND DENSITIES;
- TRENCH EXCAVATION AND BACKFILL FOR UNDERGROUND UTILITIES;
- EXCAVATION FOR FOOTING;
- INSTALLATION OF GRANULAR FILL AND SURFACING AROUND CONCRETE STRUCTURES, WITHIN ROADWAYS, DRAINAGE FACILITIES, TOWERS, AND RELATED SITE STRUCTURES.
2.

THE CONTRACTOR SHALL MAKE THEIR OWN ESTIMATE OF THE KIND AND EXTENT OF THE VARIOUS MATERIALS TO BE ENCOUNTERED OR REQUIRED TO ACCOMPLISH THE WORK.
3.

CUT AND FILL SLOPES ARE SHOWN ON PLANS AT 2 HORIZONTAL TO 1 VERTICAL UNLESS OTHERWISE NOTED.
4.

THE MAXIMUM ACCESS ROAD GRADE SHALL NOT EXCEED 16%.
5.

THE MINIMUM ACCESS ROAD INSIDE CURVE RADIUS SHALL BE 170'.
6.

PROVIDE GATES AT THE ENTRANCES TO THE PROJECT FROM THE COUNTY ROADS.
7.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL EXCAVATIONS IN A SAFE MANNER.
8.

THE CONTRACTOR SHALL PROVIDE APPROPRIATE MEASURES TO RETAIN EXCAVATION SIDE-SLOPES TO ENSURE THAT STRUCTURES, EQUIPMENT, AND PERSONS WORKING IN OR NEAR THE EXCAVATION ARE PROTECTED.
9.

THE CONTRACTOR SHALL PROTECT ALL ABOVE AND BELOW-GRADE UTILITIES WHICH ARE TO REMAIN.
10.

MATERIALS FROM EXCAVATIONS WITHIN CROP AREAS SHALL BE SEPARATED AS FOLLOWS:
- THE TOP 12-INCHES IS CONSIDERED TOPSOIL AND SHALL BE TEMPORARILY WINDROWED TO THE OUTER LIMITS OF THE CONSTRUCTION ROW AND USED FOR FINISH GRADING AROUND THE TOWERS AND OTHER LOCATIONS WHERE THE EXISTING TOPSOIL HAS BEEN DISTURBED DURING CONSTRUCTION;
- NATIVE MATERIAL BELOW THE 12-INCHES MAY BE USED AS FILL REQUIRED UNDER THE ACCESS OR SERVICE ROADS IF NEEDED;
- EXCESS NATIVE MATERIAL SHALL BE STOCKPILED SEPARATELY FROM THE TOPSOIL AND USED AS BACKFILL TO WITHIN 12-INCHES OF FINISHED GRADE.
11.

CONFINE EXCAVATION STOCKPILES TO WITHIN THE APPROVED WORK AREAS. DO NOT OBSTRUCT ROADS OR OTHER CONSTRUCTION ACTIVITIES ON THE SITE.
12.

PNEUMATIC TOOLS TO BE USED WITHIN 1,500 FEET OF A RESIDENCE SHALL HAVE AN EXHAUST MUFFLER ON THE COMPRESSOR AIR EXHAUST.
13.

REMEDIAL GRADING REQUIRED PER APPROVED GEOTECHNICAL REPORT.

Turbine ID (03/21/23 Array)	Northings Oregon State Plane NAD83 (Polyconic), North Zone (Int'l ft)	Eastings Oregon State Plane NAD83 (Polyconic), North Zone (Int'l ft)	Latitude, DMS	Longitude, DMS	Pad Elevation (ft)	FAA Filed Elevation (ft)
61	673281.74	8514620.06	45° 30' 25.05" N	119° 16' 51.36" W	—	2471.4
61—Alt	673710.82	8514440.74	45° 30' 29.31" N	119° 16' 53.79" W	2440.4	2446.6
62	671176.37	8515566.96	45° 30' 04.12" N	119° 16' 38.51" W	2407.6	2414.2
63	669539.13	8515460.04	45° 29' 47.97" N	119° 16' 40.36" W	2567.0	2574.5
64	668271.05	8516373.73	45° 29' 35.32" N	119° 16' 27.80" W	—	2659.0
64—Alt	668702.27	8516452.50	45° 29' 39.56" N	119° 16' 26.61" W	2641.7	2648.6
65	665391.11	8517857.91	45° 29' 06.66" N	119° 16' 07.59" W	2662.6	2673.2
66	665302.16	8519828.38	45° 29' 05.49" N	119° 15' 39.95" W	2649.9	2656.0
67	663890.82	8520416.72	45° 28' 51.47" N	119° 15' 32.00" W	2770.4	2775.9
68	661850.08	8520950.58	45° 28' 31.24" N	119° 15' 24.94" W	2732.6	2737.6
69	660008.80	8520154.98	45° 28' 13.18" N	119° 15' 36.50" W	2853.5	2862.7
70	658023.94	8521528.73	45° 27' 53.38" N	119° 15' 17.66" W	3000.4	3006.1
70—Alt	658402.51	8520740.45	45° 27' 57.23" N	119° 15' 28.64" W	—	2986.3
71	657030.46	8522451.16	45° 27' 43.43" N	119° 15' 04.93" W	3011.2	3017.3
71—Alt	656663.65	8522688.16	45° 27' 39.77" N	119° 15' 01.69" W	—	3016.2
Alt1	672513.80	8460071.96	45° 30' 24.88" N	119° 29' 37.41" W	2174.0	2180.4
Alt2	669804.14	8472920.32	45° 29' 56.51" N	119° 26' 37.50" W	2605.1	2610.4
Alt3	668132.46	8473900.32	45° 29' 39.88" N	119° 26' 24.05" W	2614.3	2623.0
Alt4	676801.41	8509380.31	45° 31' 00.57" N	119° 18' 04.19" W	2118.1	2124.6
Alt5	659390.65	8486326.12	45° 28' 11.93" N	119° 23' 31.31" W	2480.7	2486.6
Alt6	675528.08	8510193.13	45° 30' 47.88" N	119° 17' 53.05" W	2167.9	2173.8
Alt7	653360.72	8472375.23	45° 27' 14.24" N	119° 26' 48.17" W	2514.6	2522.1

TRANSMISSION
LINE GRADING

Name	Cut (CY)	Fill (CY)	Net (CY)
Pole 001–002 and Substation	29,236	24,083	5153 Export
Pole 003	880	938	–58 Import
Pole 004	2,372	44	2328 Export
Pole 005	1,927	763	1164 Export
Pole 006–007	7,332	3,149	4183 Export
Pole 008–009	4,109	3,538	571 Export
Pole 010	977	802	175 Export
Pole 011–012	2,457	2,276	181 Export
Pole 013	901	835	66 Export
Pole 014	4,372	748	3624 Export
Pole 015–016	1,934	1,129	805 Export
Pole 017	249	181	68 Export
Pole 018	19	362	–343 Import
Pole 019	43	431	–388 Import
Pole 020	158	87	71 Export
Pole 021	158	370	–212 Import
Pole 022	479	596	–117 Import
Pole 023	959	738	221 Export
Pole 024	843	605	238 Export
Pole 025	169	593	–424 Import
Pole 026–027	2,316	1,535	781 Export
Pole 028–029	1,544	868	676 Export
Pole 030	405	1,699	–1294 Import
Pole 031	2,452	1,126	1326 Export
Pole 032	1,962	536	1426 Export
Pole 033	343	430	–87 Import
Pole 034	529	1,826	–1297 Import
Pole 035–037	5,262	7,812	–2550 Import
Pole 038–039	10,546	1,914	8632 Export
Pole 040–045	3,696	4,818	–1122 Import
Pole 046	597	109	488 Export
Pole 047	194	124	70 Export
Pole 048–052	16,664	13,399	3265 Export
Pole 053	1,842	610	1232 Export
Pole 054–057	15,536	2,091	13445 Export
Pole 058	3,961	168	3793 Export
Pole 059	1,770	709	1061 Export
Pole 060–061	3,014	1,980	1034 Export
Pole 062–063	2,653	1,854	799 Export
Pole 064–068	7,425	3,542	3883 Export
Pole 069–074	5,143	1,008	4135 Export
Pole 075–081	7,396	1,020	6376 Export
Pole 082–086	2,880	336	2544 Export
Pole 087–095	4,210	2,240	1970 Export
Pole 096–102	8,747	1,597	7150 Export
Pole 103–109	2,767	1,503	1264 Export
Total	173,428	97,122	76,306 Export

*CONTRACTOR TO BALANCE EARTHWORK AT EACH TRANSMISSION LINE ACCESS STRING.

Turbine ID (03/21/23 Array)	Northings Oregon State Plane NAD83 (Polyconic), North Zone (Int'l ft)	Eastings Oregon State Plane NAD83 (Polyconic), North Zone (Int'l ft)	Latitude, DMS	Longitude, DMS	Pad Elevation (ft)	FAA Filed Elevation (ft)
1	653726.97	8465793.53	45° 27' 18.69" N	119° 28' 20.43" W	2446.7	2457.7
2	651954.43	8466589.93	45° 27' 01.09" N	119° 28' 09.57" W	2604.8	2614.4
3	650828.30	8467541.17	45° 26' 49.85" N	119° 27' 56.43" W	2639.4	2645.9
4	649231.19	8467838.34	45° 26' 34.05" N	119° 27' 52.55" W	2695.8	2700.8
5	647879.64	8468318.07	45° 26' 20.64" N	119° 27' 46.07" W	2674.5	2680.3
6	651737.46	8472359.52	45° 26' 58.21" N	119° 26' 48.68" W	2603.2	2609.2
7	650636.02	8473316.84	45° 26' 47.22" N	119° 26' 35.46" W	2665.0	2670.9
8	649374.43	8474232.05	45° 26' 34.64" N	119° 26' 22.85" W	2701.7	2707.5
9	671678.88	8461872.76	45° 30' 16.42" N	119° 29' 12.27" W	2299.0	2305.8
10	670773.11	8462770.49	45° 30' 07.37" N	119° 28' 59.83" W	2362.5	2368.7
11	669003.64	8463299.50	45° 29' 49.83" N	119° 28' 52.71" W	2418.7	2424.0
12	667401.12	8464499.15	45° 29' 33.86" N	119° 28' 36.16" W	2560.5	2566.2
13	667204.28	8466551.36	45° 29' 31.66" N	119° 28' 07.38" W	2531.7	2538.6
14	666255.09	8467661.76	45° 29' 22.15" N	119° 27' 51.97" W	2596.2	2601.1
15	665194.53	8468739.63	45° 29' 11.54" N	119° 27' 37.03" W	2669.8	2675.5
16	671273.02	8466471.80	45° 30' 11.84" N	119° 28' 07.77" W	2365.5	2371.7
17	669954.47	8467311.21	45° 29' 58.71" N	119° 27' 56.22" W	2473.3	2479.8
18	669185.05	8468441.67	45° 29' 50.97" N	119° 27' 40.49" W	2536.0	2542.7
19	667642.64	8470495.46	45° 29' 35.48" N	119° 27' 11.94" W	2678.1	2685.8
20	666134.57	8471534.55	45° 29' 20.46" N	119° 26' 57.63" W	2777.9	2787.5
21	664892.53	8472229.54	45° 29' 08.11" N	119° 26' 48.10" W	2863.1	2869.2
22	664855.10	8478483.60	45° 29' 06.93" N	119° 25' 20.33" W	3082.9	3093.3
23	663564.32	8478821.72	45° 28' 54.14" N	119° 25' 15.82" W	2813.0	2822.8
24	662120.47	8479997.64	45° 28' 39.73" N	119° 24' 59.59" W	2554.4	2560.7
25	660463.22	8479651.06	45° 28' 23.41" N	119° 25' 04.77" W	2512.4	2517.8
26	659062.18	8480236.06	45° 28' 09.50" N	119° 24' 56.82" W	2558.6	2564.1
27	657351.30	8480655.43	45° 27' 52.56" N	119° 24' 51.26" W	2602.1	2607.3
28	656070.35	8480954.14	45° 27' 39.87" N	119° 24' 47.31" W	2579.4	2586.6
29	656570.40	8483344.20	45° 27' 44.49" N	119° 24' 13.68" W	2607.9	2614.5
30	655485.10	8483971.71	45° 27' 33.69" N	119° 24' 05.09" W	2656.9	2662.8
31	654406.93	8485377.21	45° 27' 22.85" N	119° 23' 45.58" W	2710.0	2715.3
32	652956.30	8485615.18	45° 27' 08.50" N	119° 23' 42.52" W	2729.9	2736.9
33	651637.81	8485855.68	45° 26' 55.45" N	119°23' 39.40" W	2780.5	2785.9
34	650469.97	8486350.72	45° 26' 43.85" N	119° 23' 32.68" W	2789.9	2795.9
35	650503.93	8489491.38	45° 26' 43.76" N	119° 22' 48.62" W	2895.0	2902.4
36	647706.96	8489460.03	45° 26' 16.15" N	119° 22' 49.60" W	2925.7	2931.4
37	646507.76	8489953.92	45° 26' 04.24" N	119° 22' 42.91" W	2912.8	2918.2
38	645274.91	8491214.56	45° 25' 51.90" N	119° 22' 25.47" W	3009.0	3018.1
39	675514.42	8493310.67	45° 30' 50.16" N	119° 21' 50.12" W	2679.7	2691.1
40	674087.65	8494071.87	45° 30' 35.97" N	119° 21' 39.71" W	2647.6	2661.7
41	672460.69	8494055.15	45° 30' 19.91" N	119° 21' 40.27" W	2764.9	2770.8
42	670495.11	8493944.03	45° 30' 00.52" N	119° 21' 42.22" W	2787.9	2794.2
43	669085.46	8494115.99	45° 29' 46.57" N	119° 21' 40.08" W	2926.3	2936.9
44	666876.37	8495354.83	45° 29' 24.59" N	119° 21' 23.13" W	2531.3	2539.6
44—Alt	667116.61	8495410.35	45° 29' 26.96" N	119° 21' 22.30" W	—	2546.9
45	665807.38	8496212.75	45° 29' 13.92" N	119° 21' 11.30" W	2532.3	2539.7
46	664483.57	8496805.16	45° 29' 00.77" N	119° 21' 03.25" W	2591.2	2600.8
47	663321.25	8498920.15	45° 28' 48.99" N	119° 20' 33.80" W	2647.2	2652.9
48	662717.23	8500245.03	45° 28' 42.84" N	119° 20' 15.33" W	2680.4	2686.0
49	661689.20	8500996.83	45° 28' 32.58" N	119° 20' 04.99" W	2712.3	2718.7
50	660328.03	8501147.62	45° 28' 19.13" N	119° 20' 03.15" W	2736.5	2743.6
51	658568.24	8502203.87	45° 28' 01.60" N	119° 19' 48.68" W	2747.2	2754.1
52	656984.91	8502976.83	45° 27' 45.86" N	119° 19' 38.16" W	2805.9	2812.3
53	655538.40	8503300.78	45° 27' 31.53" N	119° 19' 33.91" W	2822.1	2829.1
54	654334.44	8504293.98	45° 27' 19.50" N	119° 19' 20.22" W	2826.9	2832.4
55	652899.07	8505549.88	45° 27' 05.15" N	119° 19' 02.90" W	2873.0	2880.0
56	651637.10	8505995.70	45° 26' 52.63" N	119° 18' 56.90" W	2943.5	2951.4
57	650630.91	8506839.53	45° 26' 42.57" N	119° 18' 45.28" W	2947.0	2953.0
58	649825.02	8508737.51	45° 26' 34.34" N	119° 18' 18.82" W	3005.9	3010.9
59	647281.23	8508603.93	45° 26' 09.24" N	119° 18' 21.22" W	3050.0	3055.8
60	674354.17	8513093.89	45° 30' 35.86" N	119° 17' 12.56" W	2377.1	2385.0



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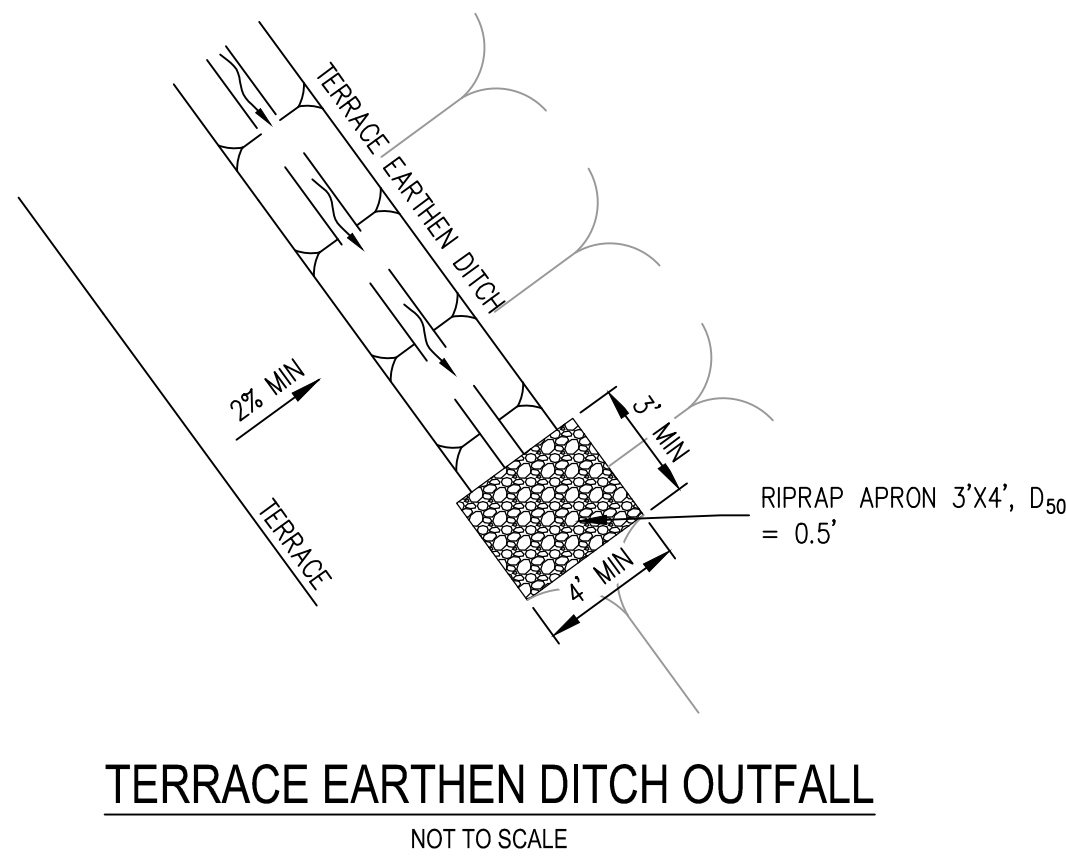
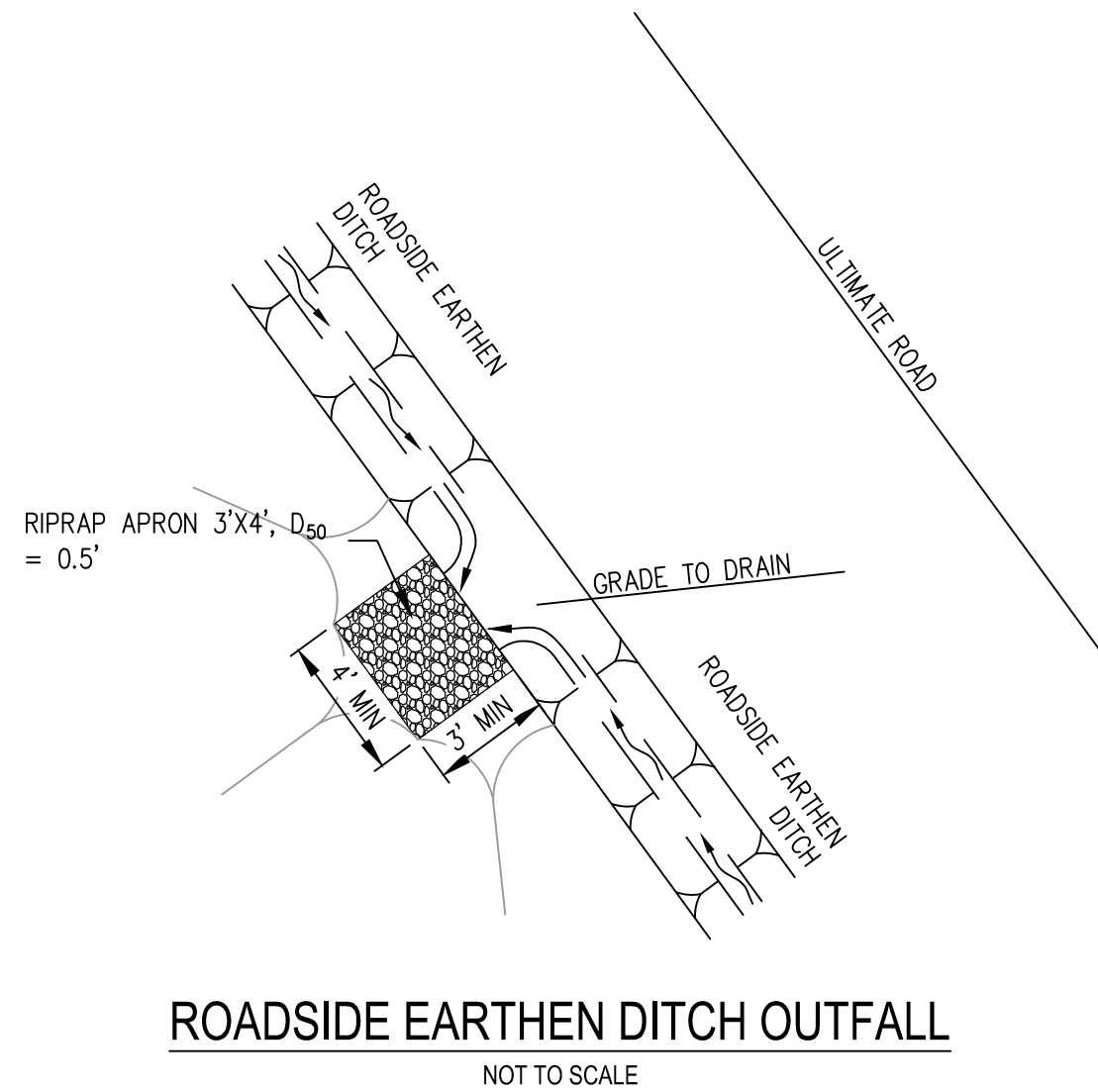
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5/19/2023

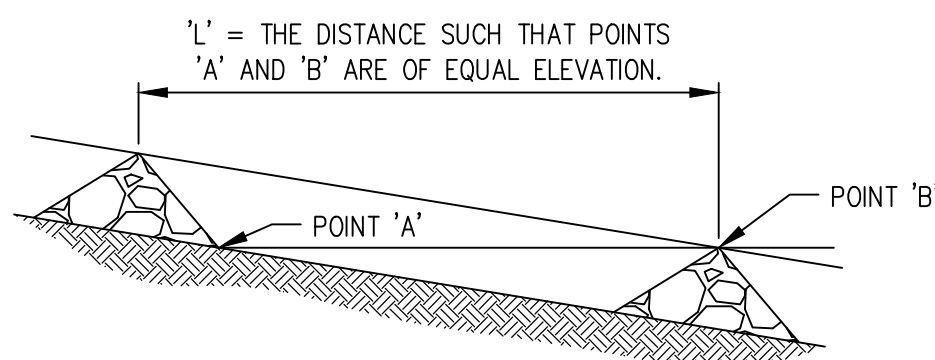
NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
NOTES
GRADING PLANS

OREGON
MORROW COUNTY

PROFESSIONAL
ENGINEER
101354PE
REGISTERED
OREGON
REG.

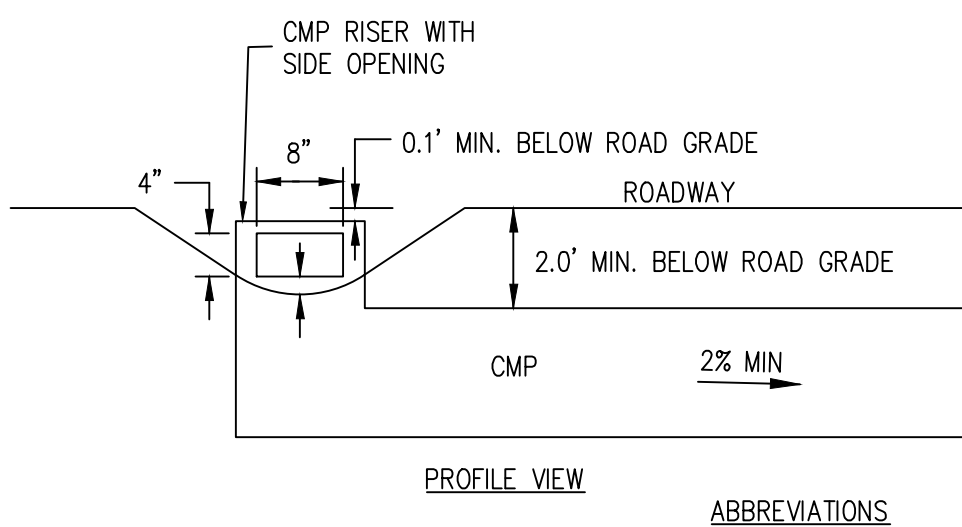
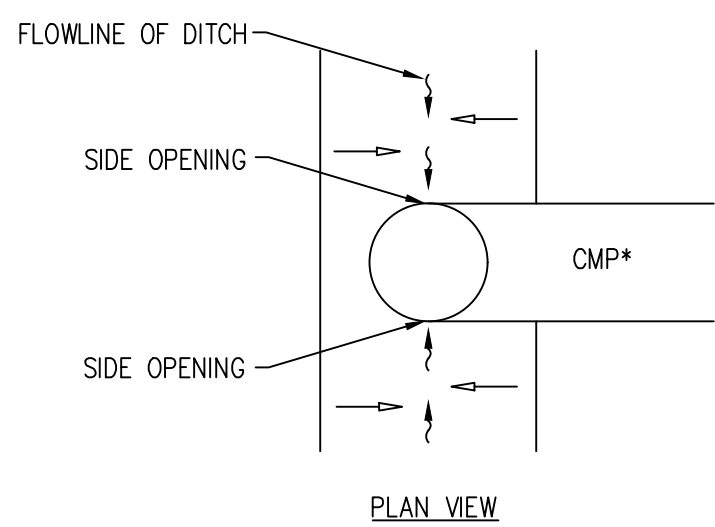


ROADSIDE/PAD
EARTHEN DITCH

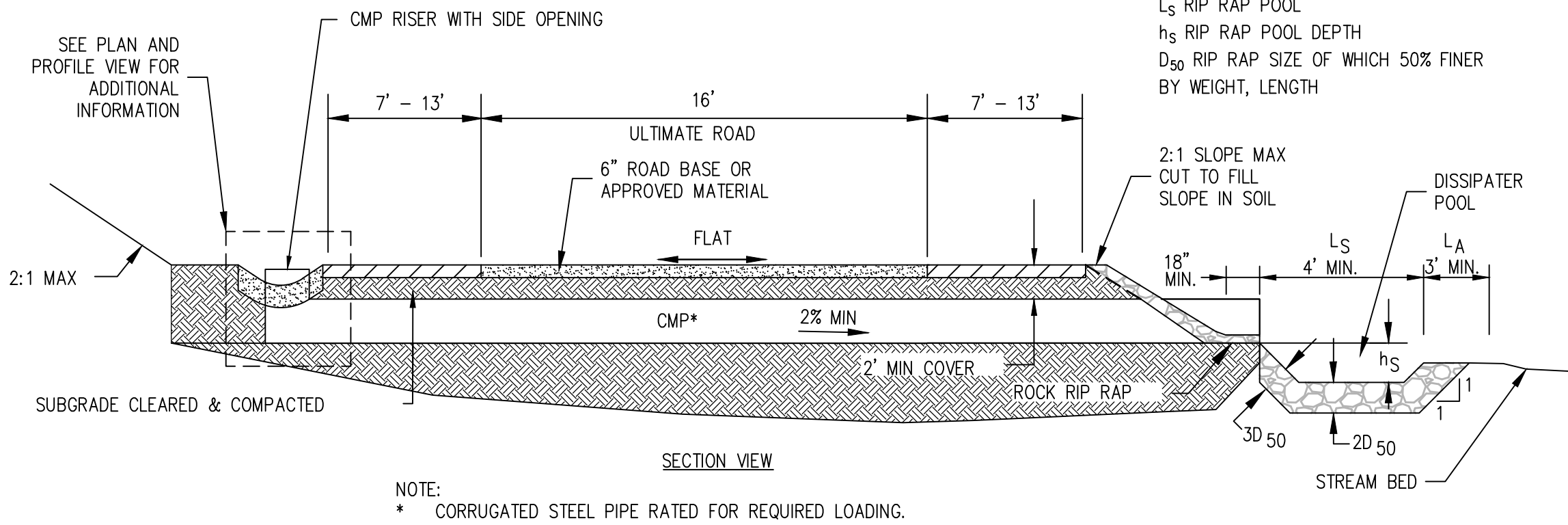


DITCH CHECK DAM

NOT TO SCALE

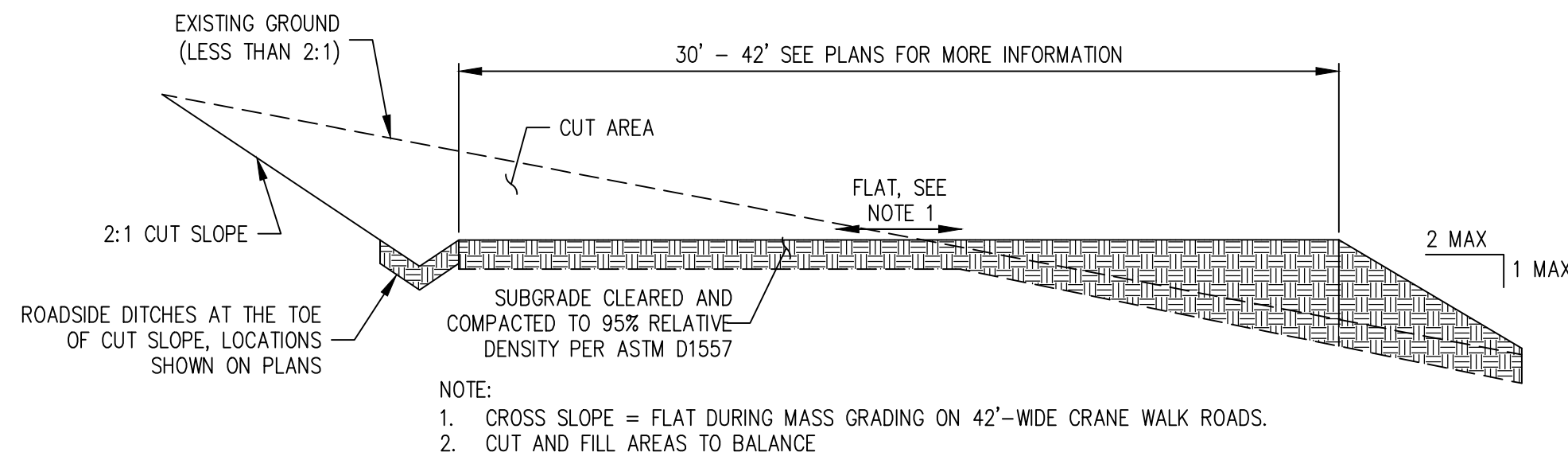


ABBREVIATIONS
 L_A RIP RAP APRON
 L_S RIP RAP POOL
 h_s RIP RAP POOL DEPTH
 D_{50} RIP RAP SIZE OF WHICH 50% FINER
 BY WEIGHT, LENGTH



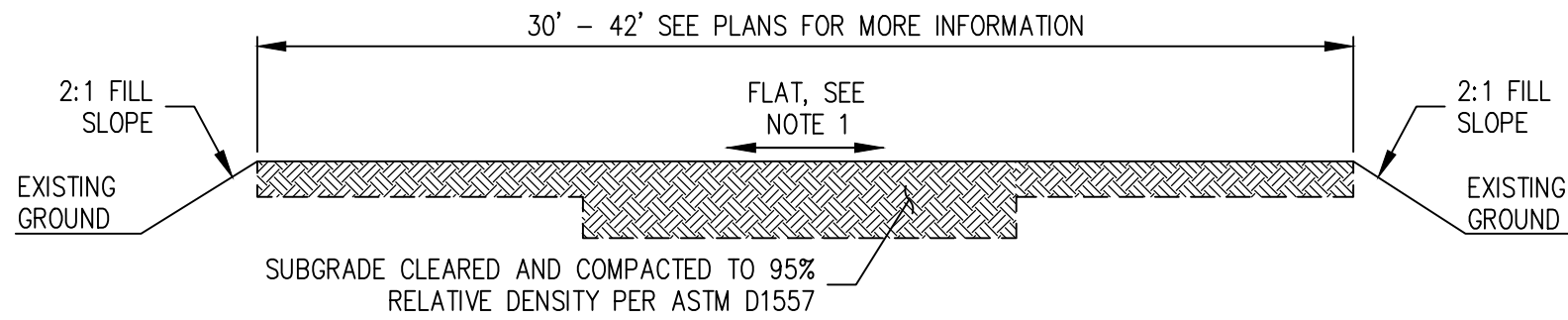
CMP RISER DETAIL

NOT TO SCALE



TYPICAL ROAD SECTION - TYPE "A"
PRE-TURBINE DELIVERY

NOT TO SCALE
TO BE USED ON SIDE-SLOPING AREAS

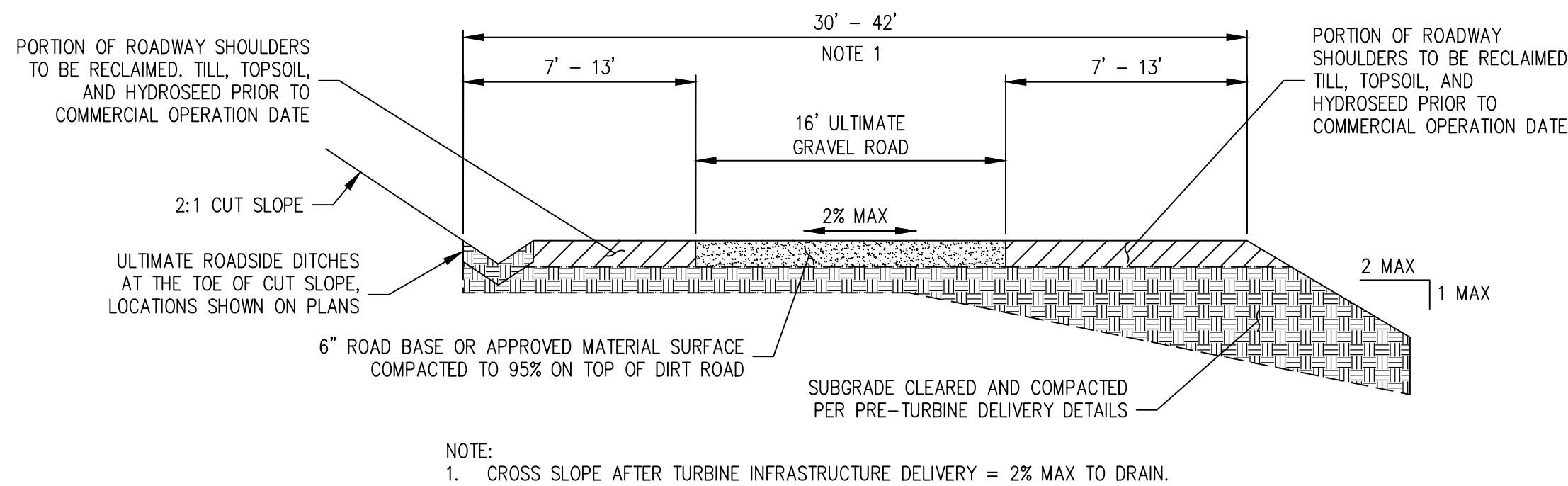


NOTES:

1. CROSS SLOPE = FLAT DURING MASS GRADING ON 42'-WIDE CRANE WALK ROADS.
2. MINIMUM 6" SCARIFICATION AND RECOMPACTION OF NATIVE SUBGRADE PER ASTM D1557

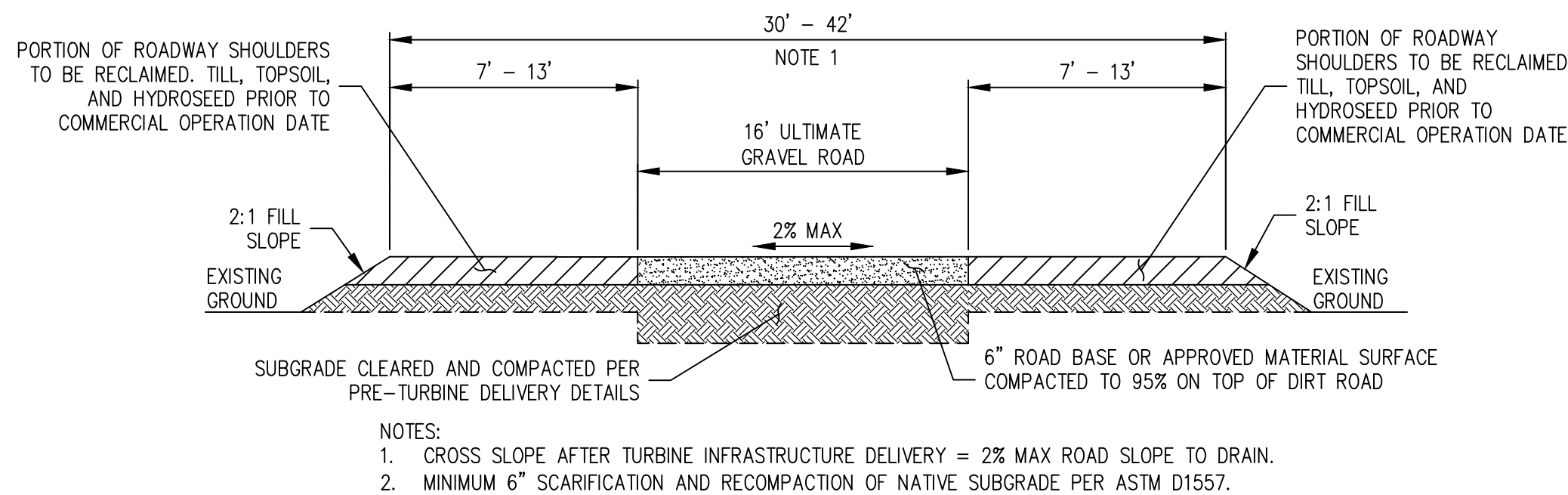
TYPICAL ROAD SECTION - TYPE "B" PRE-TURBINE DELIVERY

NOT TO SCALE
TO BE USED ON RIDGE LINES AND FLAT AREAS



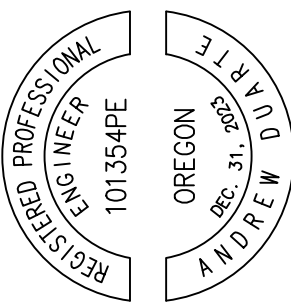
TYPICAL ROAD SECTION - TYPE "A"
POST TURBINE DELIVERY

NOT TO SCALE
TO BE USED ON SIDE-SLOPING AREAS



TYPICAL ROAD SECTION - TYPE "B"
POST TURBINE DELIVERY

NOT TO SCALE
TO BE USED ON RIDGE LINES AND FLAT AREAS

[illegible]

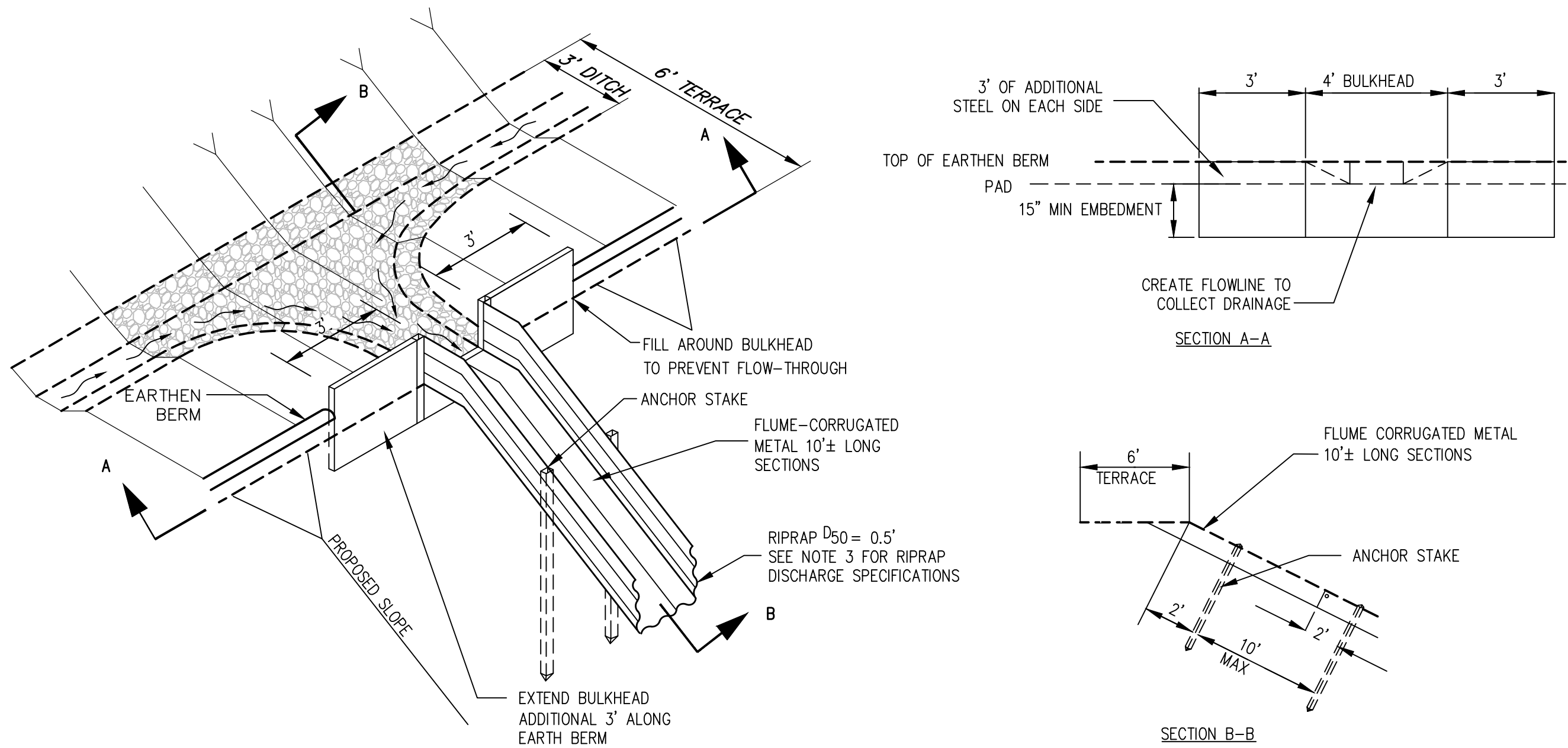
NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
DETAILS
GRADING PLANS

MORROW COUNTY



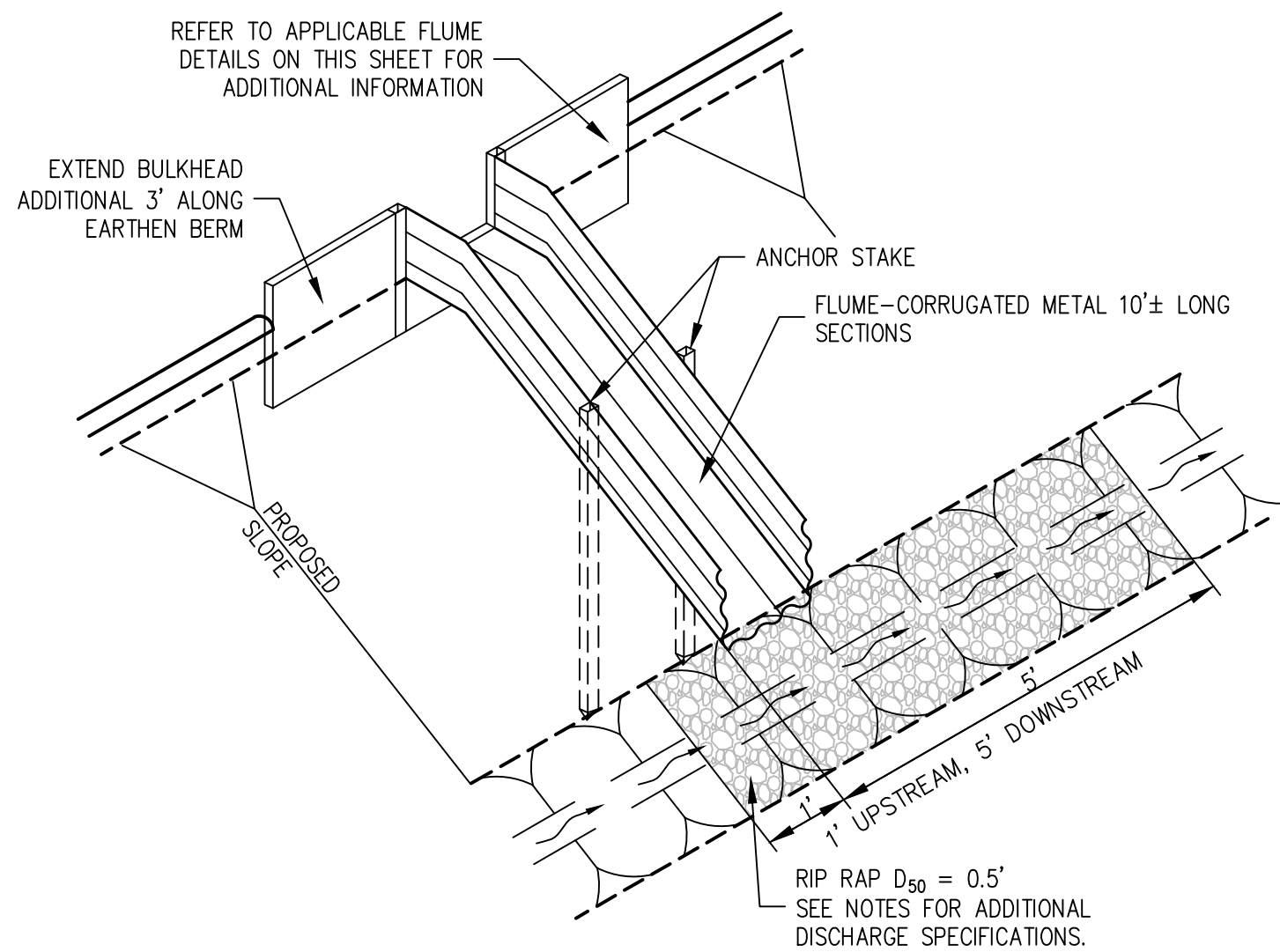
1931 SAN MIGUEL DR., #100
WALNUT CREEK, CA 94596
PHONE: (925) 932-8868
DXENGIN.COM

DATE:	05-17-23
SCALE:	
HORIZ.	1" = 200'
VERT.	N/A
DESIGNED BY:	AMD
REVIEWED BY:	SDG
G2.00	
PAGE	3 OF 48



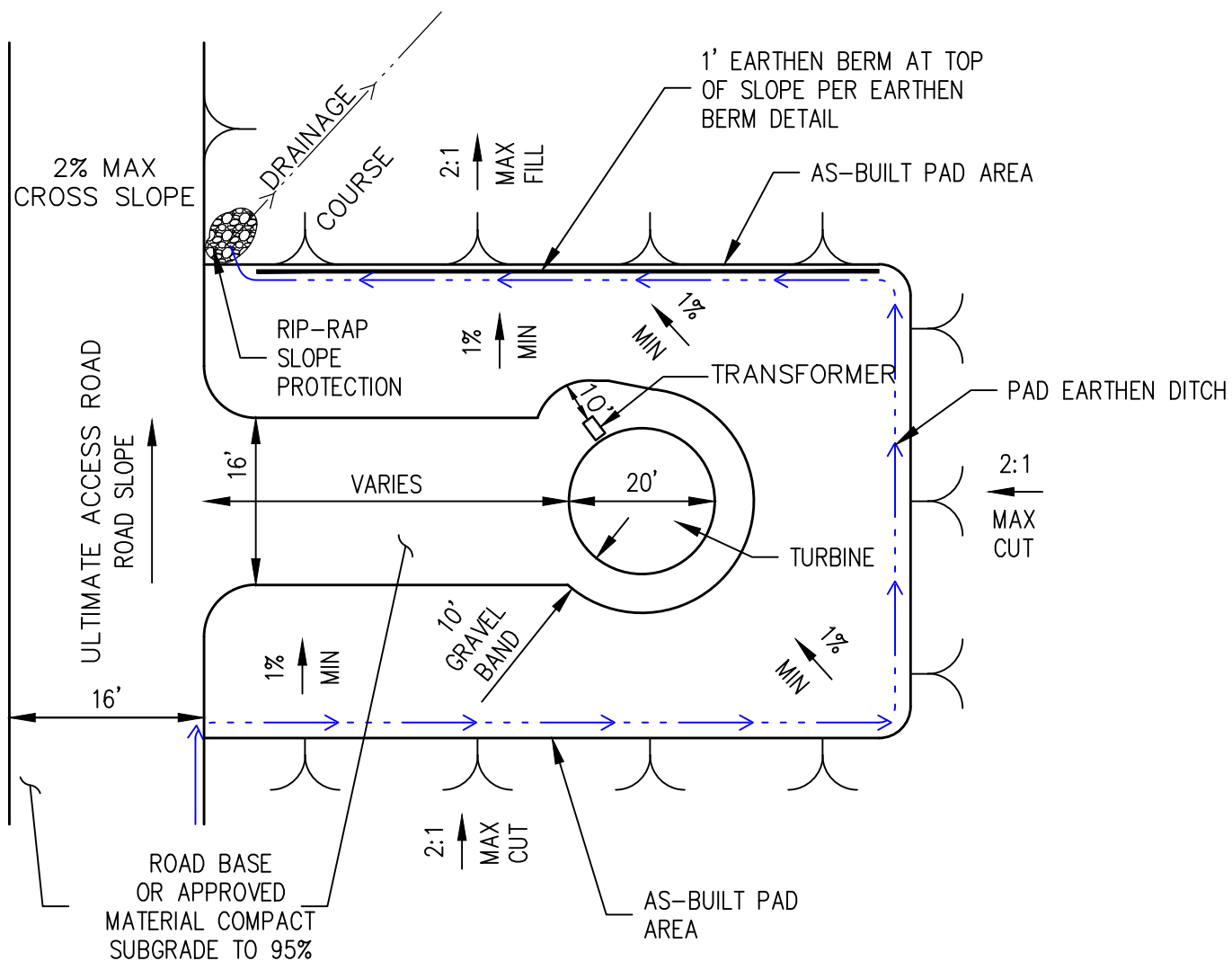
- NOTES:
1. FLUME DOWNRAIN SECTION SHALL BE PER CALTRANS STANDARD DETAIL D87D, THIS SHEET.
 2. ANCHOR STAKES SHALL BE PLACED AT AN INTERVAL OF 10'.
 3. FLUMES DISCHARGING AT THE BOTTOM OF PROPOSED SLOPES SHALL HAVE A RIP RAP APRON. SEE FLUME DISCHARGE DETAIL THIS SHEET.

BENCH FLUME
NOT TO SCALE

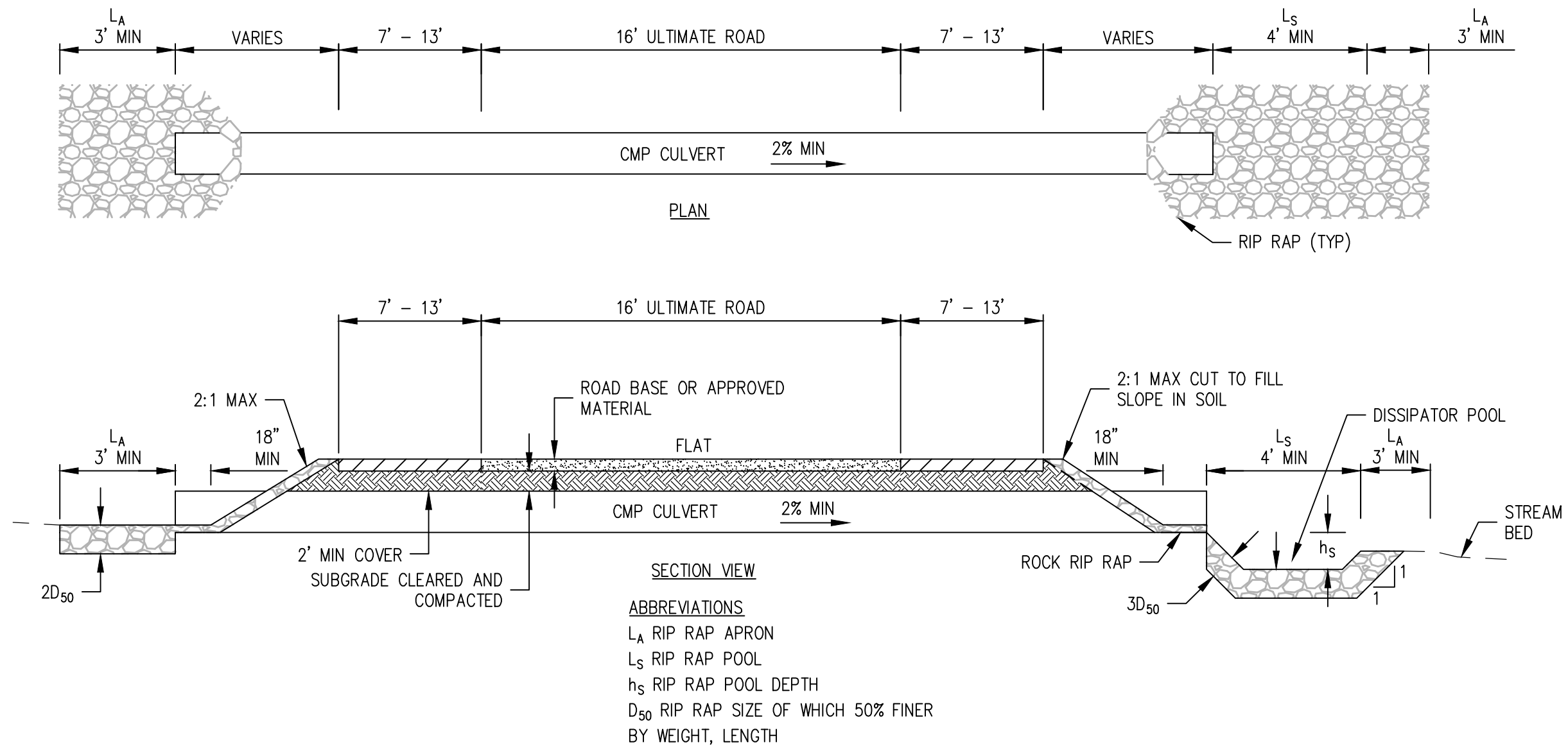


- NOTE:
1. PLEASE SEE ROADSIDE DITCH FLUME DETAIL AND BENCH FLUME DETAIL FOR ADDITIONAL INFORMATION.

FLUME DISCHARGE
NOT TO SCALE

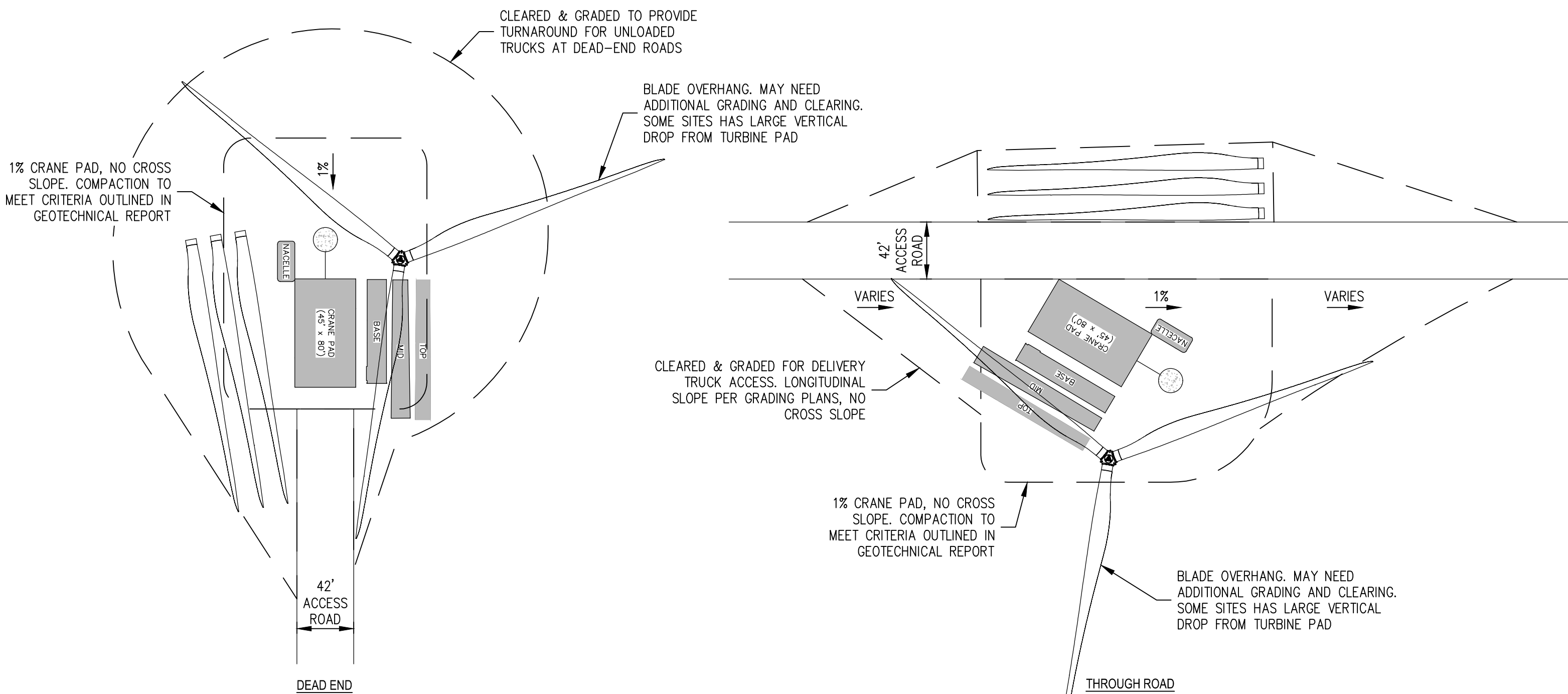


TYPICAL ULTIMATE TURBINE PADS POST CONSTRUCTION
NOT TO SCALE

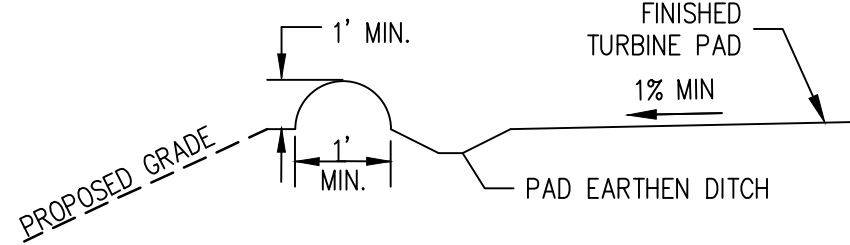


- NOTE:
1. CORRUGATED METAL STEEL PIPE RATED FOR REQUIRED LOADING.

STREAM CULVERT CROSSING
NOT TO SCALE

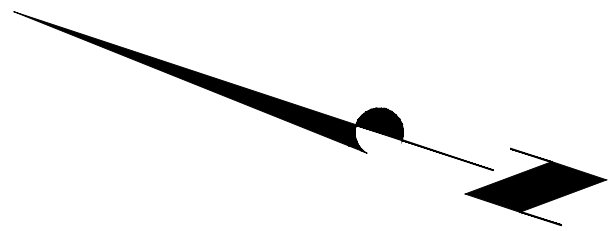


TYPICAL CONSTRUCTION ROAD AND PAD AREA
NOT TO SCALE



- NOTES:
1. INSTALL 1' EARTHEN BERM ALONG THE PERIMETER OF TURBINE PADS WHERE NEEDED FOR SPILL PREVENTION CONTROL AND COUNTERMEASURE FOR TURBINE TRANSFORMER OIL.

EARTHEN BERM DETAIL
NOT TO SCALE



4-M RANCH INC

FRITZ CUTSFORTH LAND CO
APN R01905

FRITZ CUTSFORTH LAND CO
APN R05217

MARTIN TRUST

MYERS LANE

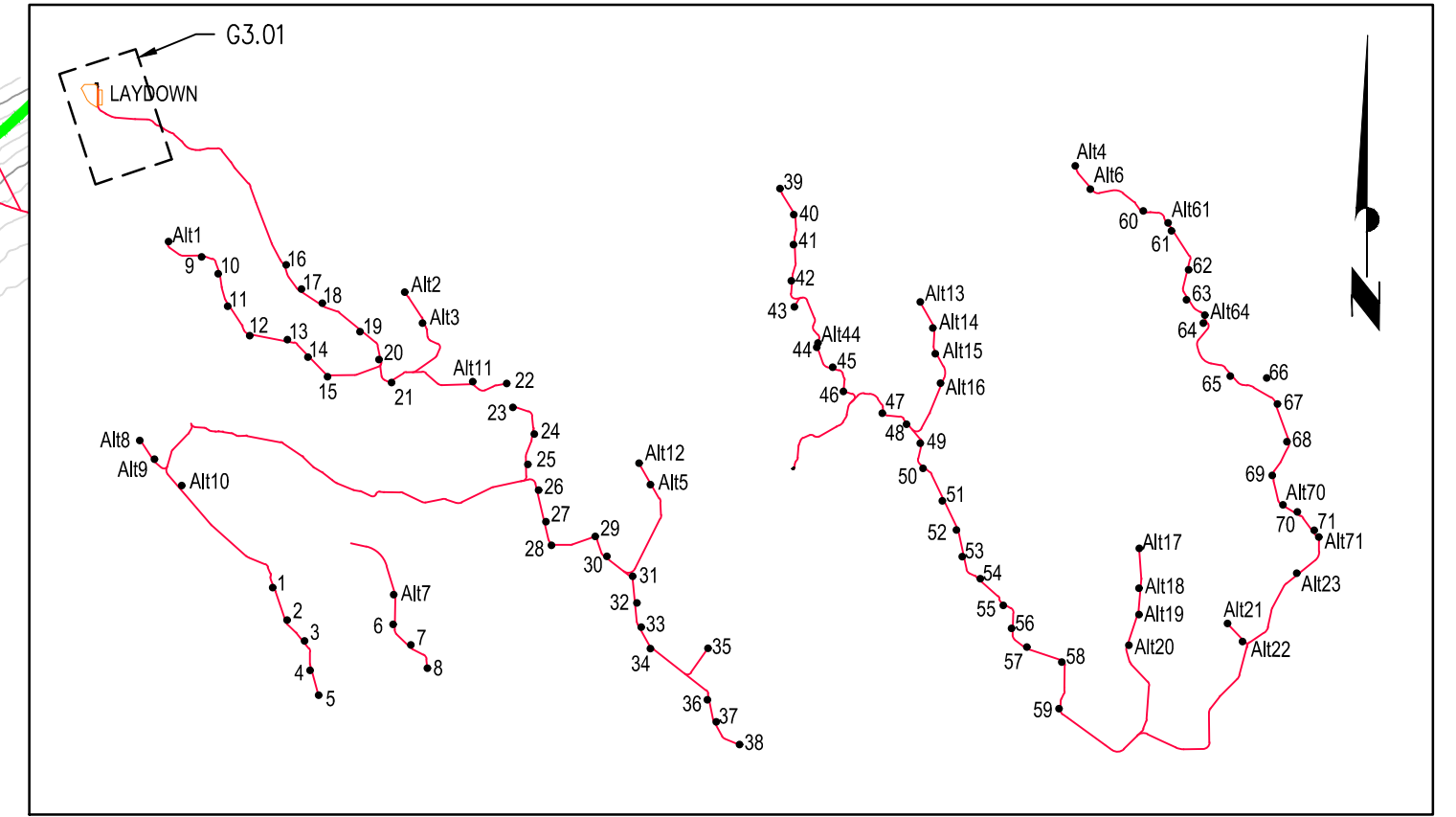
LAYDOWN
4 ACRES

LAYDOWN
17 ACRES

30' WIDE ACCESS ROAD 'A'

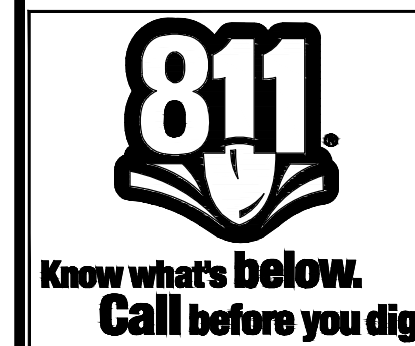
50' WIDE ACCESS ROAD 'A'

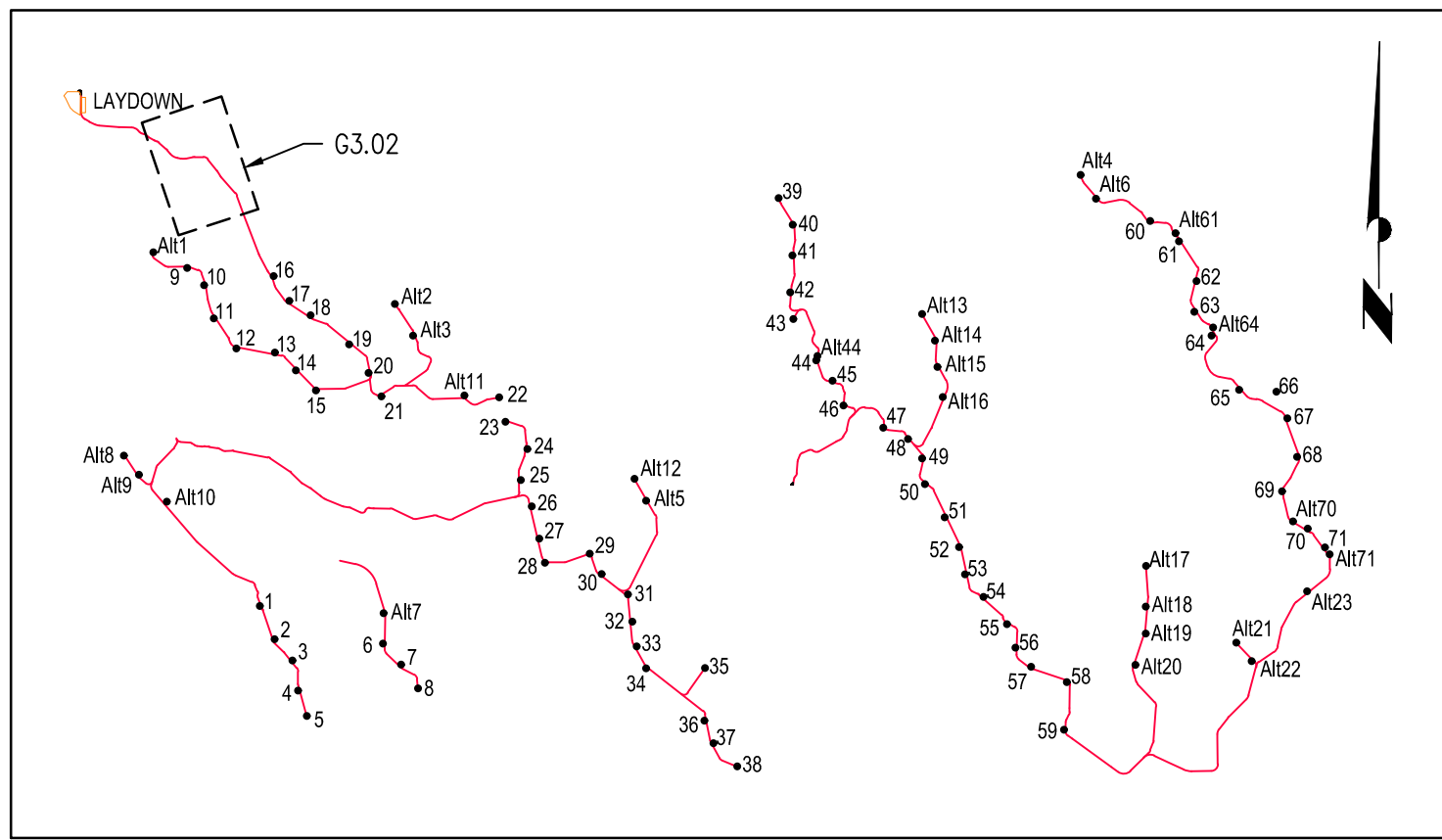
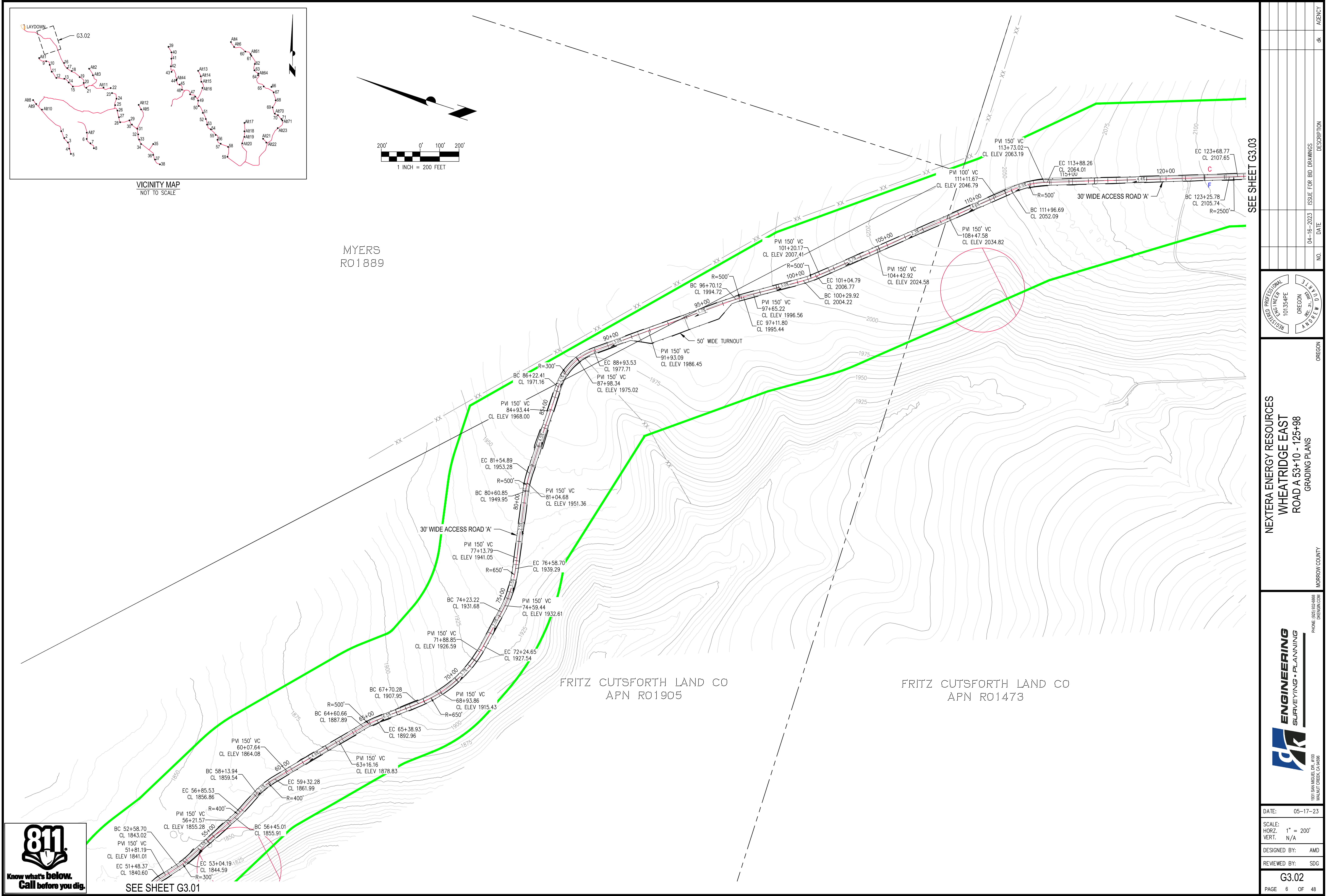
SEE SHEET G3.02



VICINITY MAP
NOT TO SCALE

AGENCY		DATE		NO.		DESCRIPTION	
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NEXTERA ENERGY RESOURCES		WHEATBRIDGE EAST		ROAD A 1+00 - 53+10		GRADING PLANS	
OREGON		REGISTERED PROFESSIONAL ENGINEER		101354PE		ANDREW D. WILSON	
MORROW COUNTY		5/18/2023		2171.dwg		F:\Projects\2021\21-1071 Wheatbridge East - Umatilla, OR\DWG\GRADING PLAN\G3.00-G3.07 - 2171.dwg	
DATE: 05-17-23		SCALE: HORZ. 1" = 200'		VERT. N/A		DESIGNED BY: AMD	
REVIEWED BY: SDG		G3.01		PAGE 5 OF 48			





VICINITY MAP
NOT TO SCALE

MYERS
RO1889

FRITZ CUTSFORTH LAND CO
APN RO1905

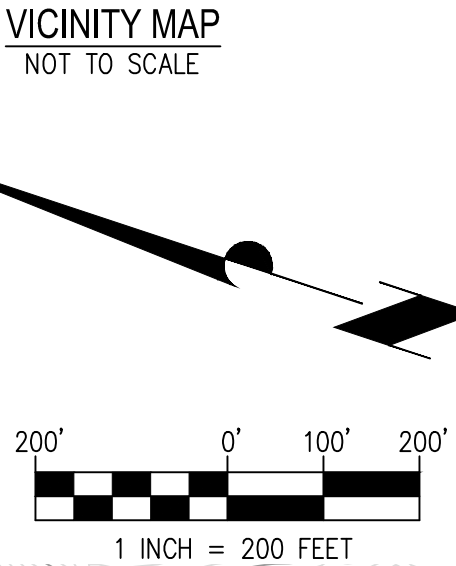
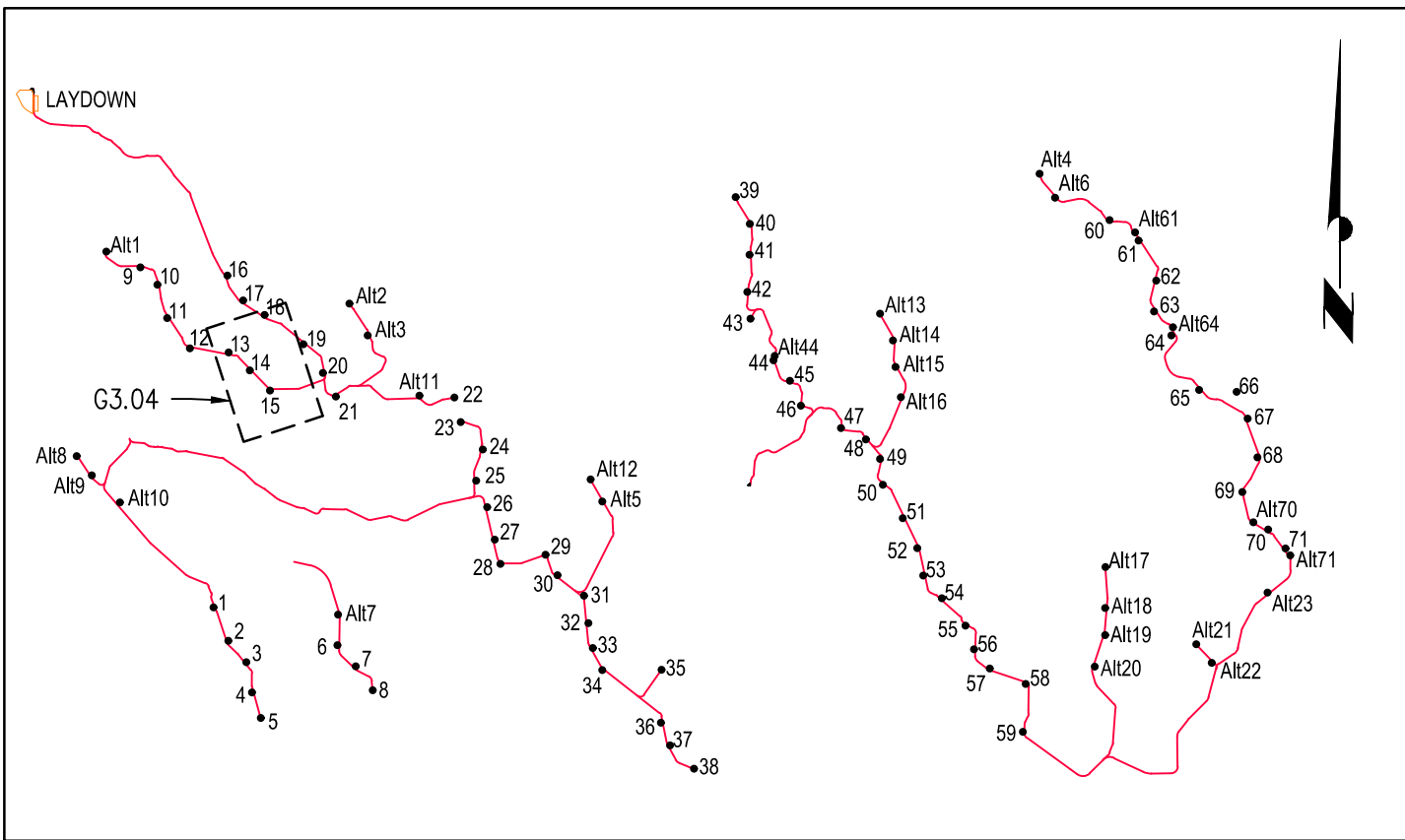
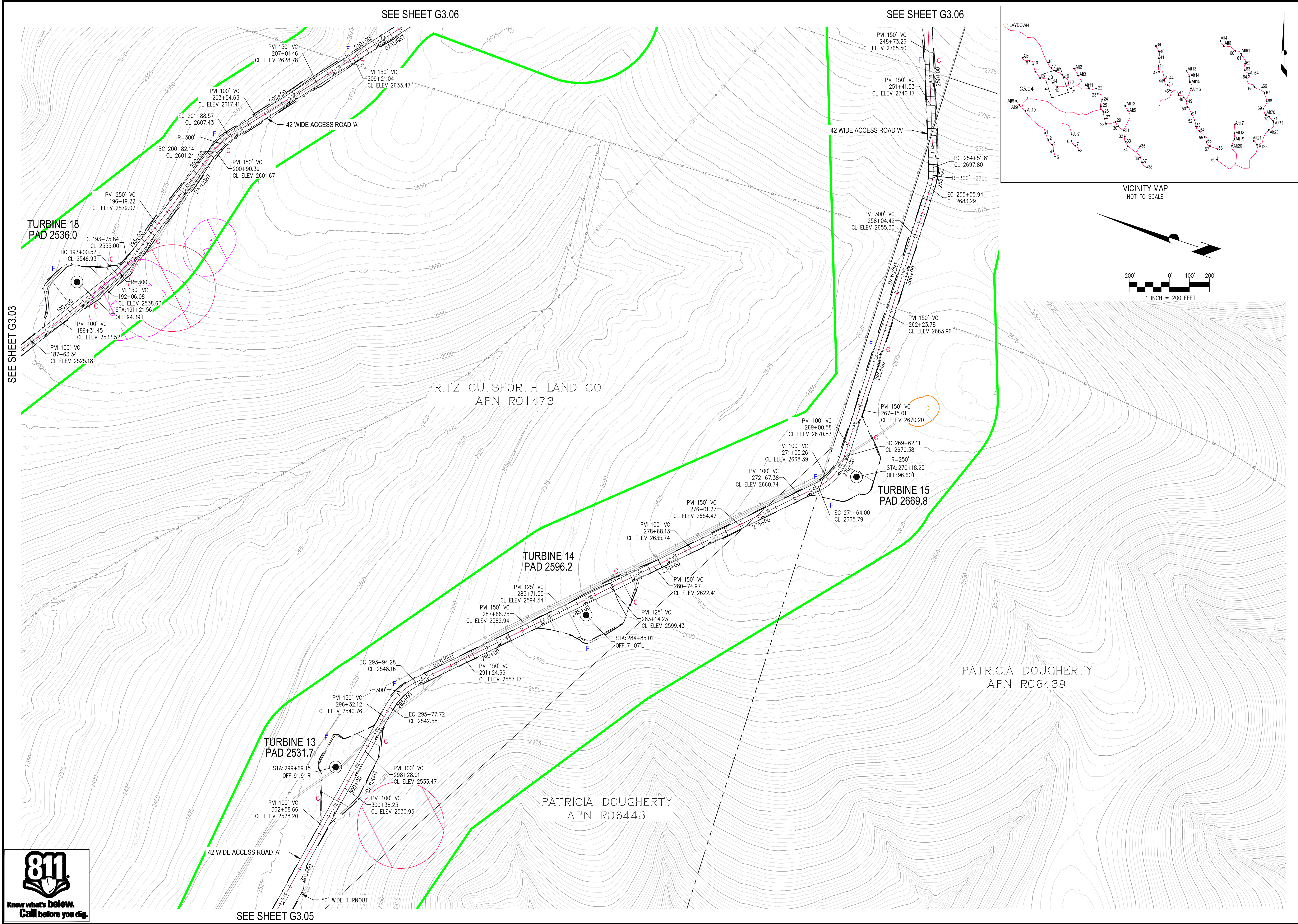
FRITZ CUTSFORTH LAND CO
APN RO1473



SEE SHEET G3.01

SEE SHEET G3.03

NEXTERA ENERGY RESOURCES WHEATBRIDGE EAST ROAD A 53+10 - 125+98 GRADING PLANS		DATE: 05-17-23	
ENGINEERING SURVEYING • PLANNING		SCALE: HORZ. 1" = 200' VERT. N/A	
DESIGNED BY: AMD		REVIEWED BY: SDG	
G3.02		PAGE 6 OF 48	
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PHONE: (509) 868-0888 1801 SAN ANGELO DR., SUITE 100 WALNUT CREEK, CA 94598		PHONE: (509) 868-0888 1801 SAN ANGELO DR., SUITE 100 WALNUT CREEK, CA 94598	
MORROW COUNTY		OREGON	
REGISTERED PROFESSIONAL ENGINEER 101354PE ANDREW D. WHEATBRIDGE		REGISTERED PROFESSIONAL ENGINEER 101354PE ANDREW D. WHEATBRIDGE	
ISSUE FOR BID DRAWINGS		ISSUE FOR BID DRAWINGS	
04-16-2023		04-16-2023	
DATE		DATE	
NO.		NO.	
AGENCY		AGENCY	
dk		dk	



SEE SHEET G3.03

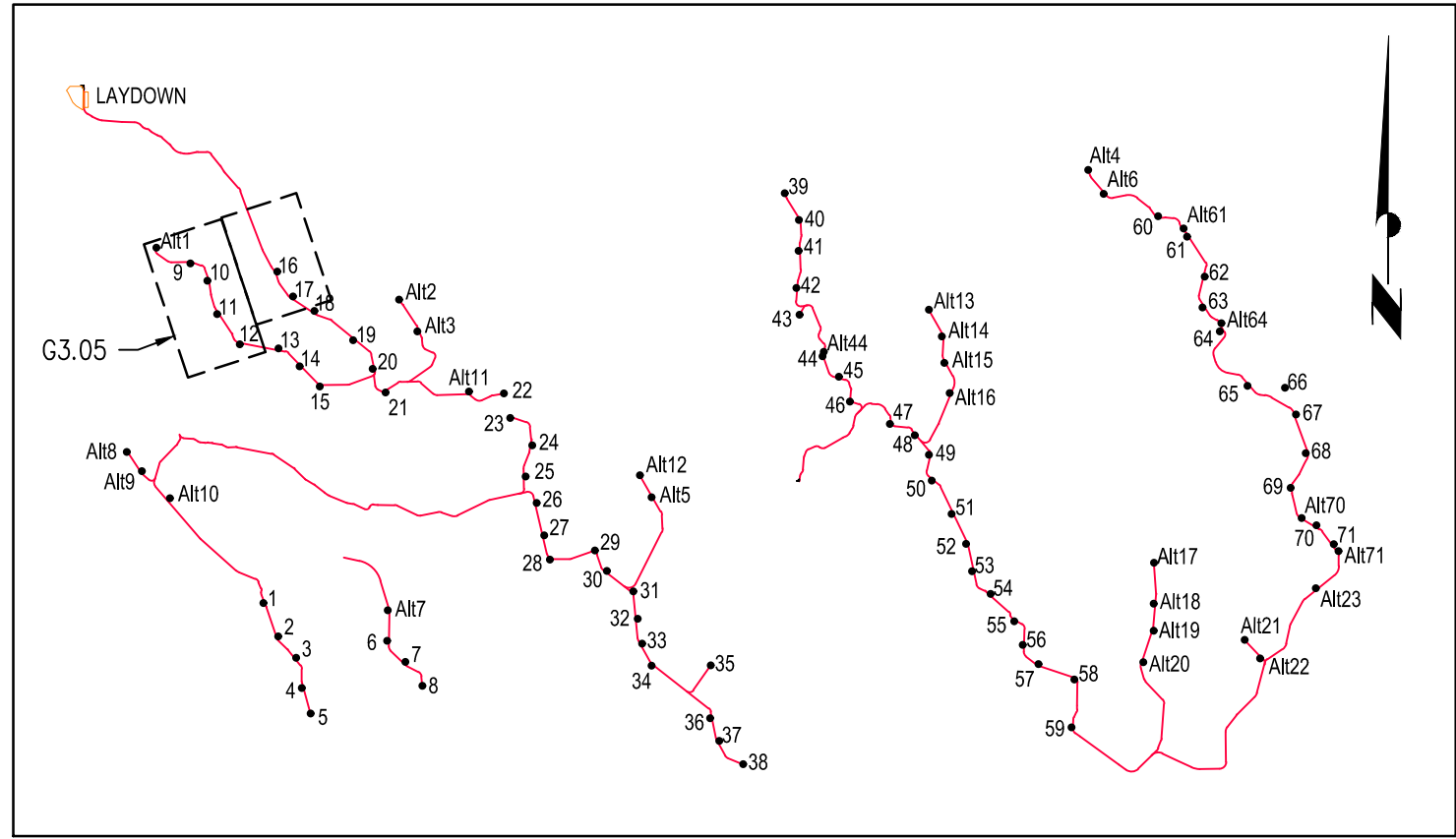
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SEE SHEET G3.06

SEE SHEET G3.05



DATE: 05-17-23		SCALE: 1" = 200'		DESIGNED BY: AMD		REVIEWED BY: SDG		G3.04		PAGE 8 OF 48	
NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		ROAD A 188+77 - 214+05, 249+37 - 309+17		GRADING PLANS		MORROW COUNTY		OREGON	
REGISTERED PROFESSIONAL ENGINEER		101354PE		OREGON		ISSUE FOR BID DRAWINGS		04-16-2023		DATE	
NO.		DESCRIPTION		AGENCY		dk		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR DWG GRADING PLAN G3.00-G3.07 - 2171.dwg		5/18/2023	



VICINITY MAP
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FRITZ CUTSFORTH LAND CO
APN R01473

PATRICIA DOUGHERTY
APN R06443

SEE SHEET G3.04

SEE BELOW RIGHT

SEE BELOW LEFT

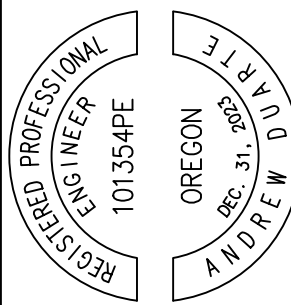
TURBINE ALT1
PAD 2174.0

TURBINE 12
PAD 2560.5

TURBINE 11
PAD 2418.7

TURBINE 10
PAD 2362.5

TURBINE 9
PAD 2299.0

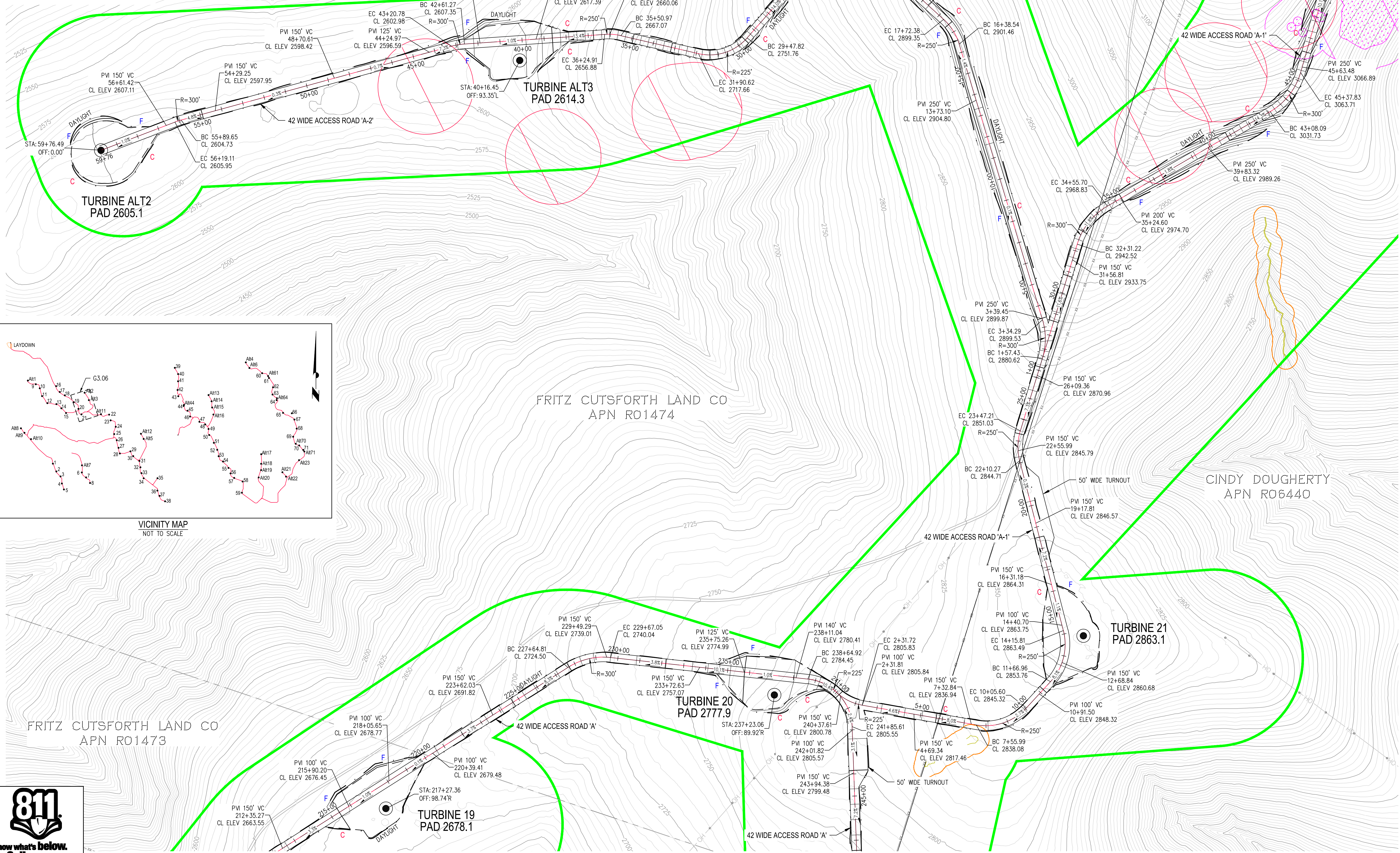


NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD A 309+17- END
GRADING PLANS



DATE: 05-17-23
SCALE: 1" = 200'
HORIZ. N/A
VERT. N/A
DESIGNED BY: AMD
REVIEWED BY: SDG
G3.05
PAGE 9 OF 48

						ICY
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CINDY DOUGHERTY
APN R06440

TURBINE 19
PAD 2678.1

7.07
TURBINE 20
PAD 2777.9

TURBINE 21
PAD 2863.1

ENGINEERING
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dk

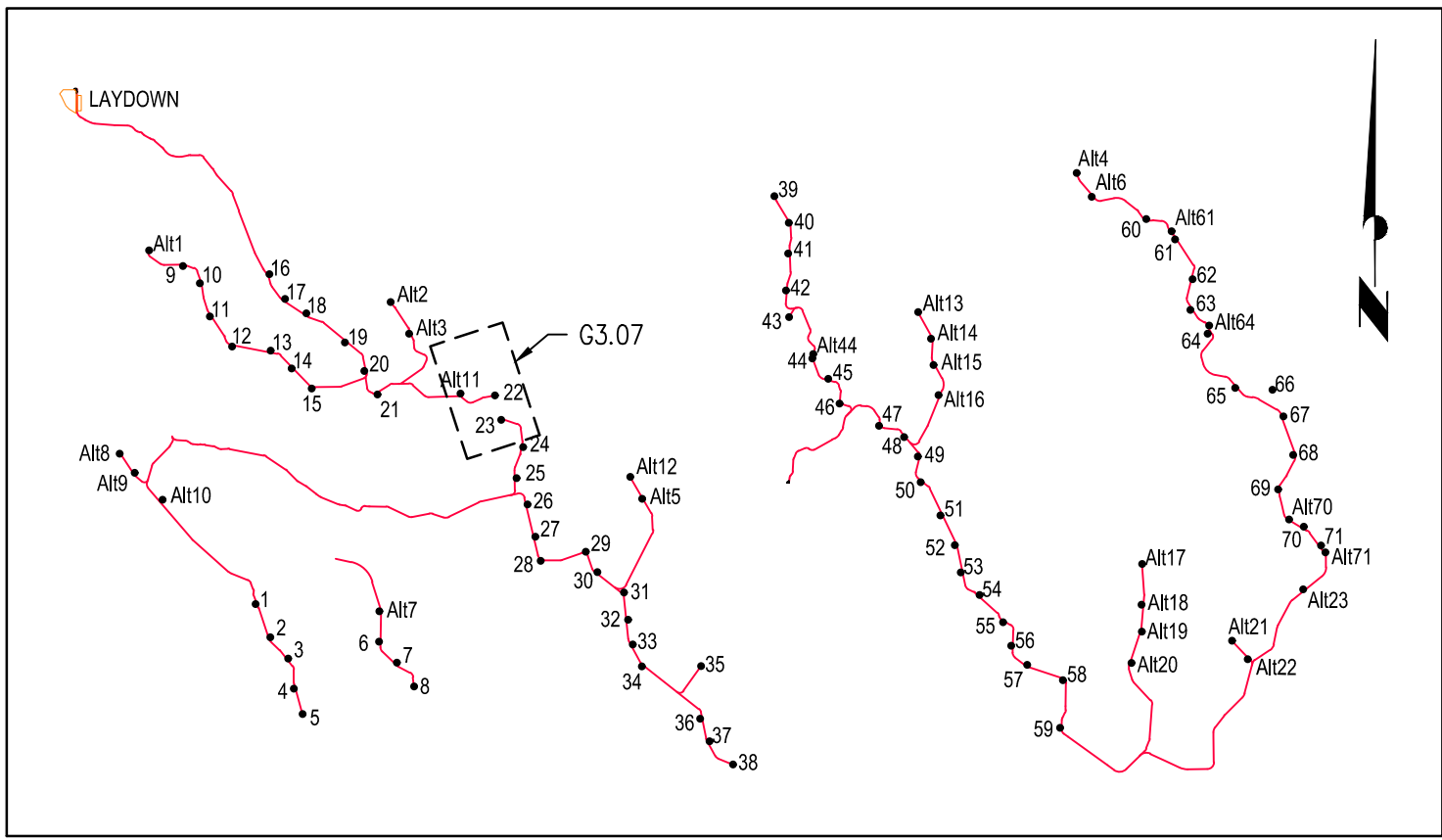
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94596

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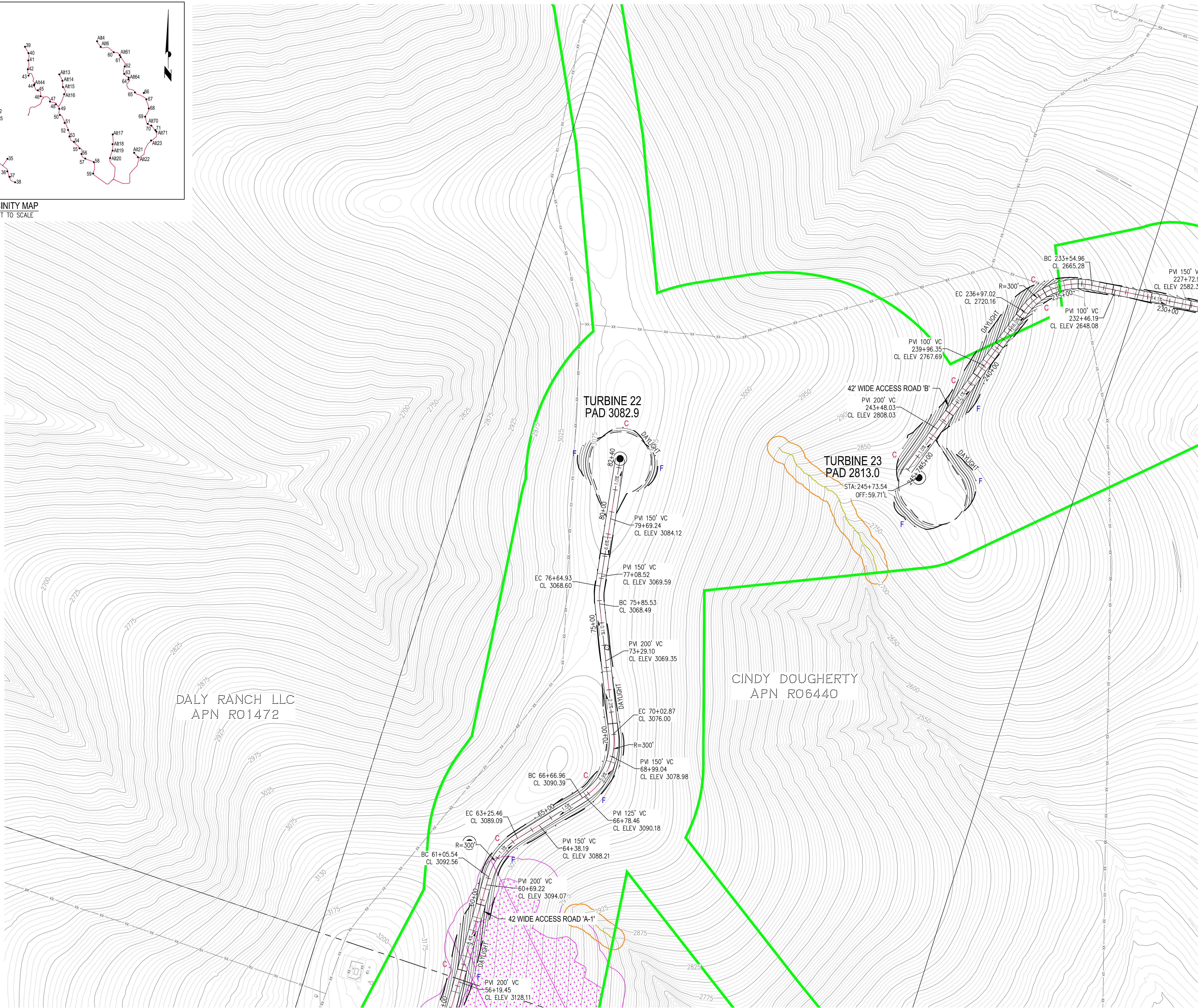
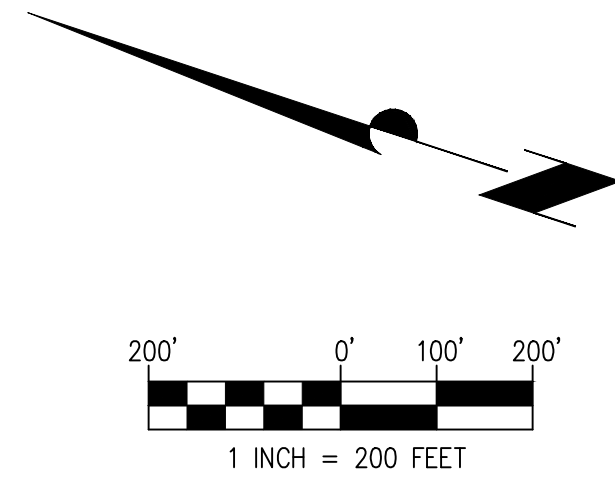
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REVIEWED BY:	SDG
G3.06	
PAGE	10 OF 48

dk JOB NO: 21-1071

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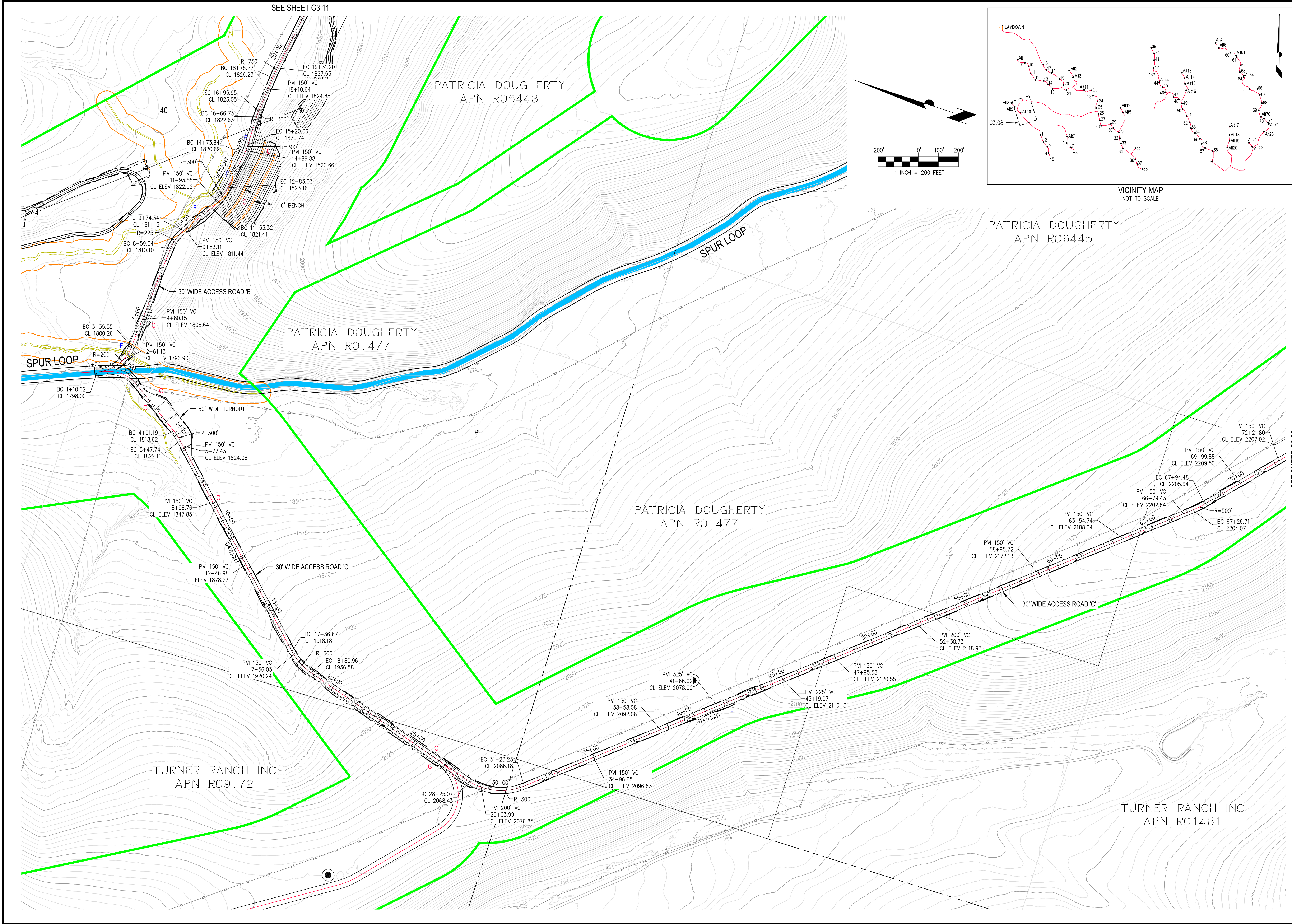


SEE SHEET G3.12

SEE SHEET G3.06



NEXTERA ENERGY RESOURCES WHEATBRIDGE EAST ROAD A-1 56+88 - END GRADING PLANS		REGISTERED PROFESSIONAL ENGINEER 101354PE OREGON ANDREW D. WHEAT		NO. DATE DESCRIPTION 04-16-2023		AGENCY dk	
ENGINEERING SURVEYING • PLANNING		PHONE: 503.688.8888 1801 SAN MIGUEL DR., SUITE 100 WALNUT CREEK, CA 94596		DATE: 05-17-23		SCALE: HORZ. 1" = 200' VERT. N/A	
DESIGNED BY: AMD		REVIEWED BY: SDG		G3.07		PAGE 11 OF 48	



DATE: 05-17-23	
SCALE: 1" = 200'	
VERT. N/A	
DESIGNED BY: AMD	
REVIEWED BY: SDC	
G3.08	
PAGE 12 OF 48	

ENGINEERING
SURVEYING • PLANNING

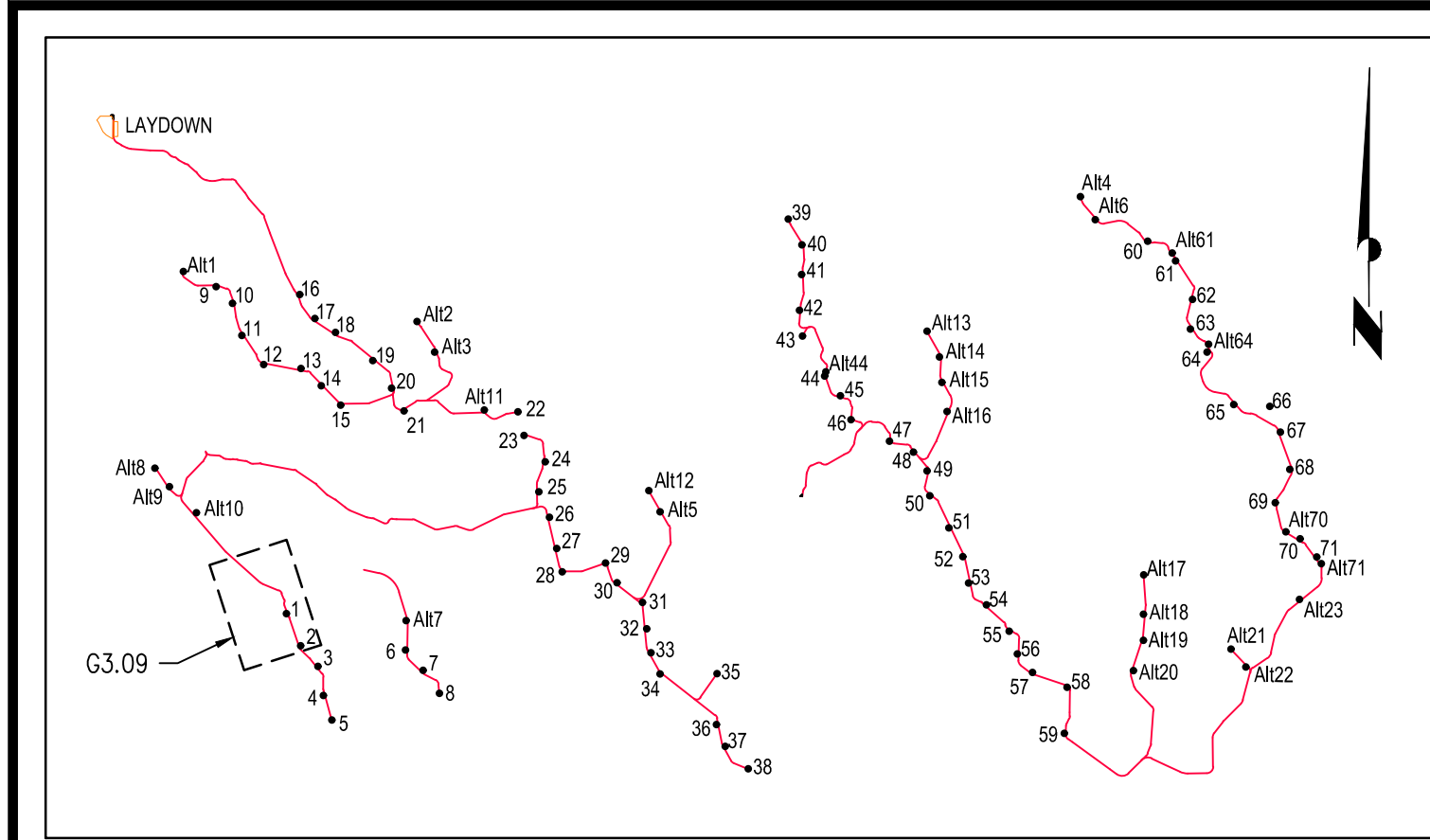
1901 SAN ANGELES DR., SUITE 100
WALNUT CREEK, CA 94596

PHONE: 925.938.8888
FAX: 925.938.8889
WWW.DRENGINEERING.COM

NEXTERA ENERGY RESOURCES
WHEATBRIDGE EAST
ROAD C 1+00 - 72+65, ROAD B 1+00 - 22+22
GRADING PLANS

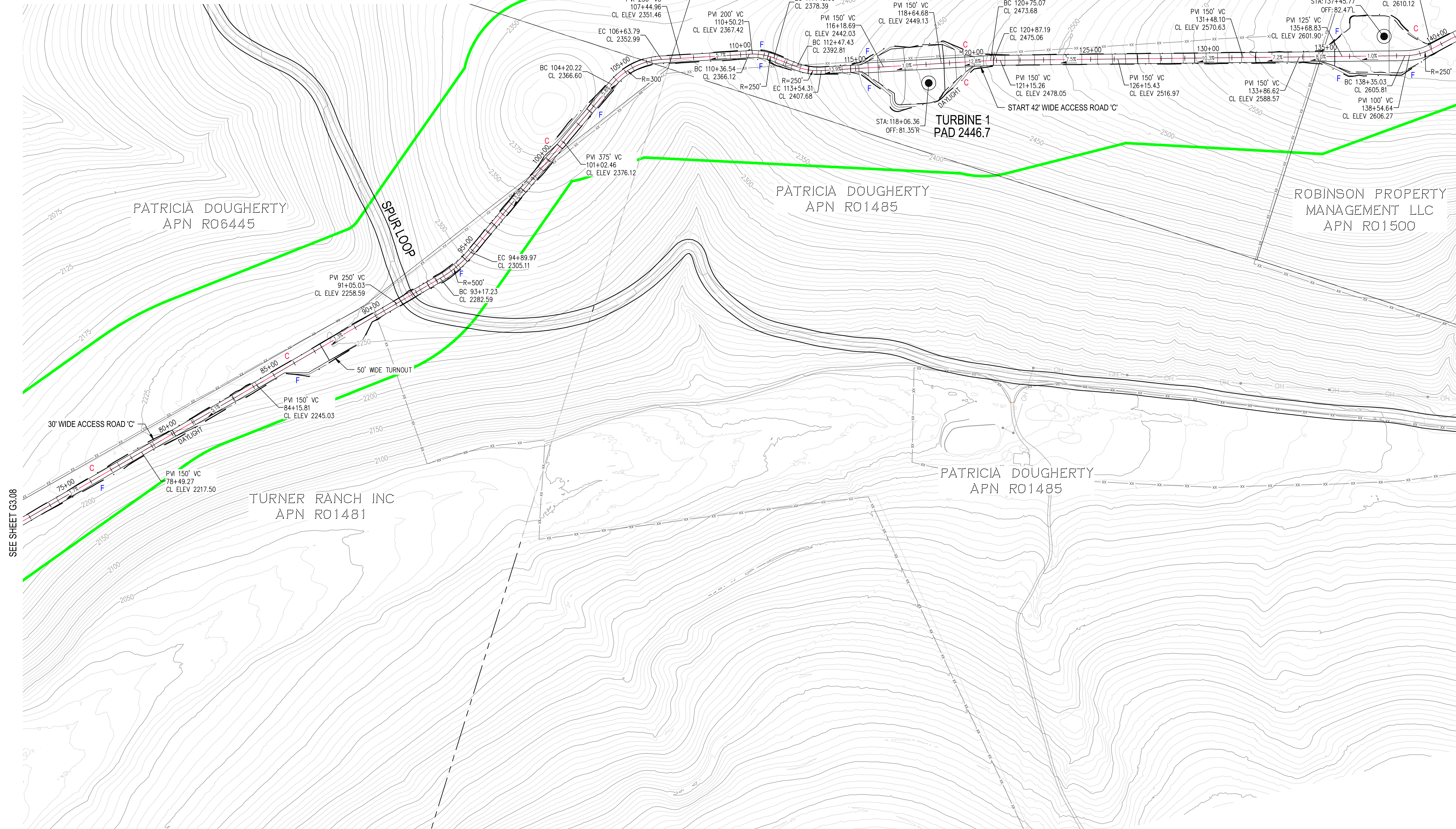
REGISTERED PROFESSIONAL ENGINEER
OREGON
101354PE
ANDREW D. WILSON

NO.	DATE	DESCRIPTION	AGENCY
04-16-2023		ISSUE FOR BID DRAWINGS	dk



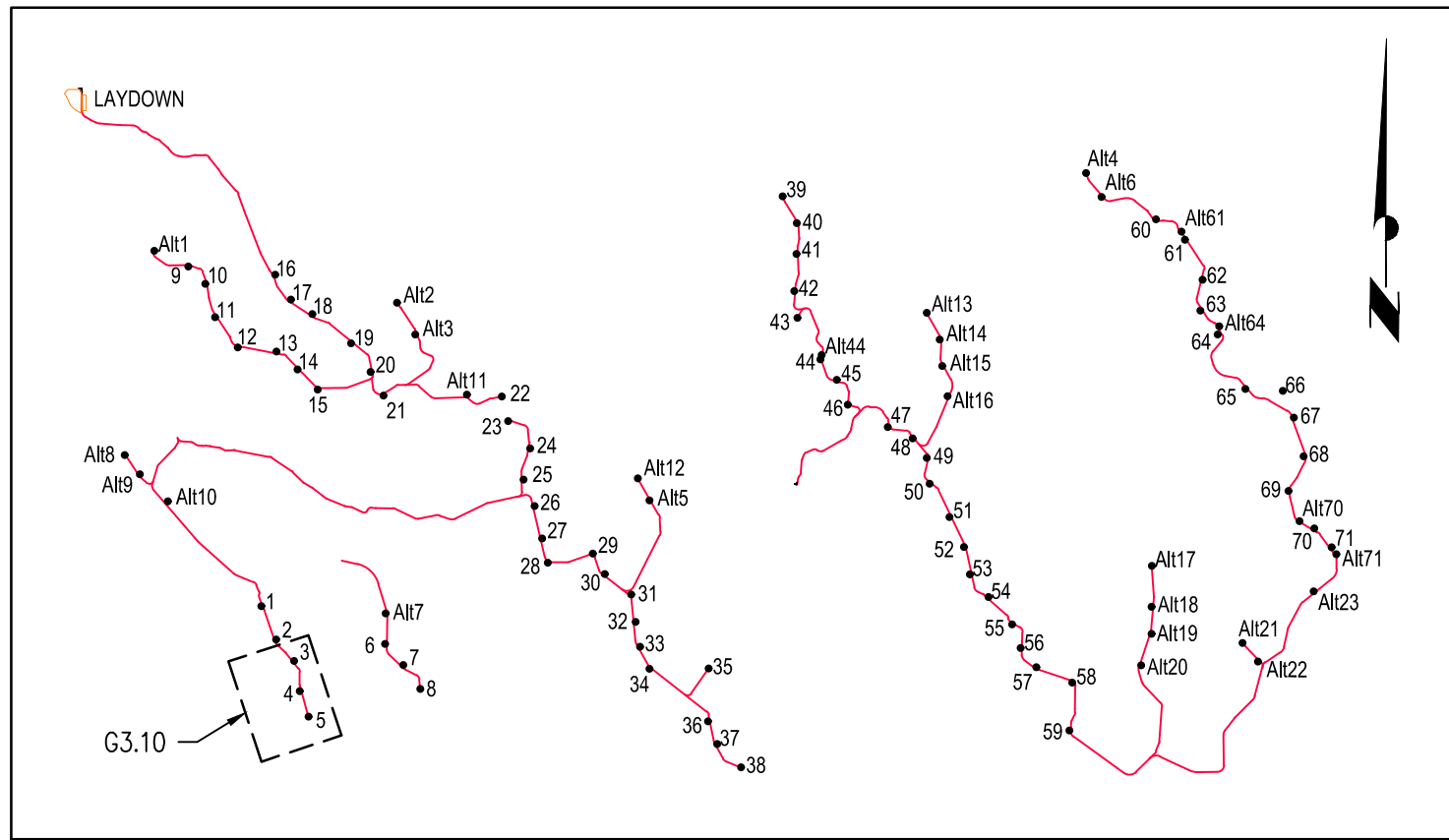
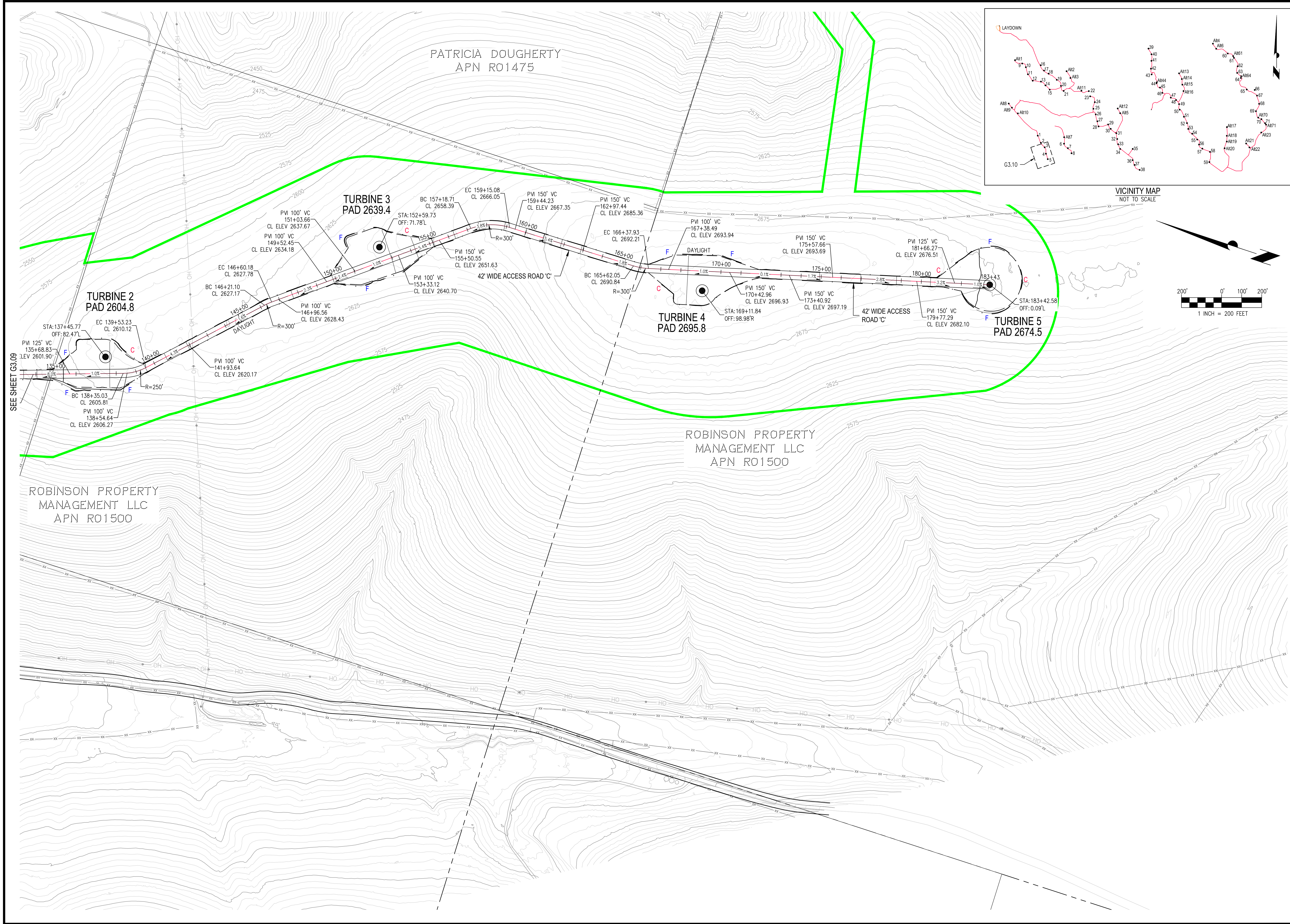
VICINITY MAP
NOT TO SCALE

200' 0' 100' 200'
1 INCH = 200 FEET

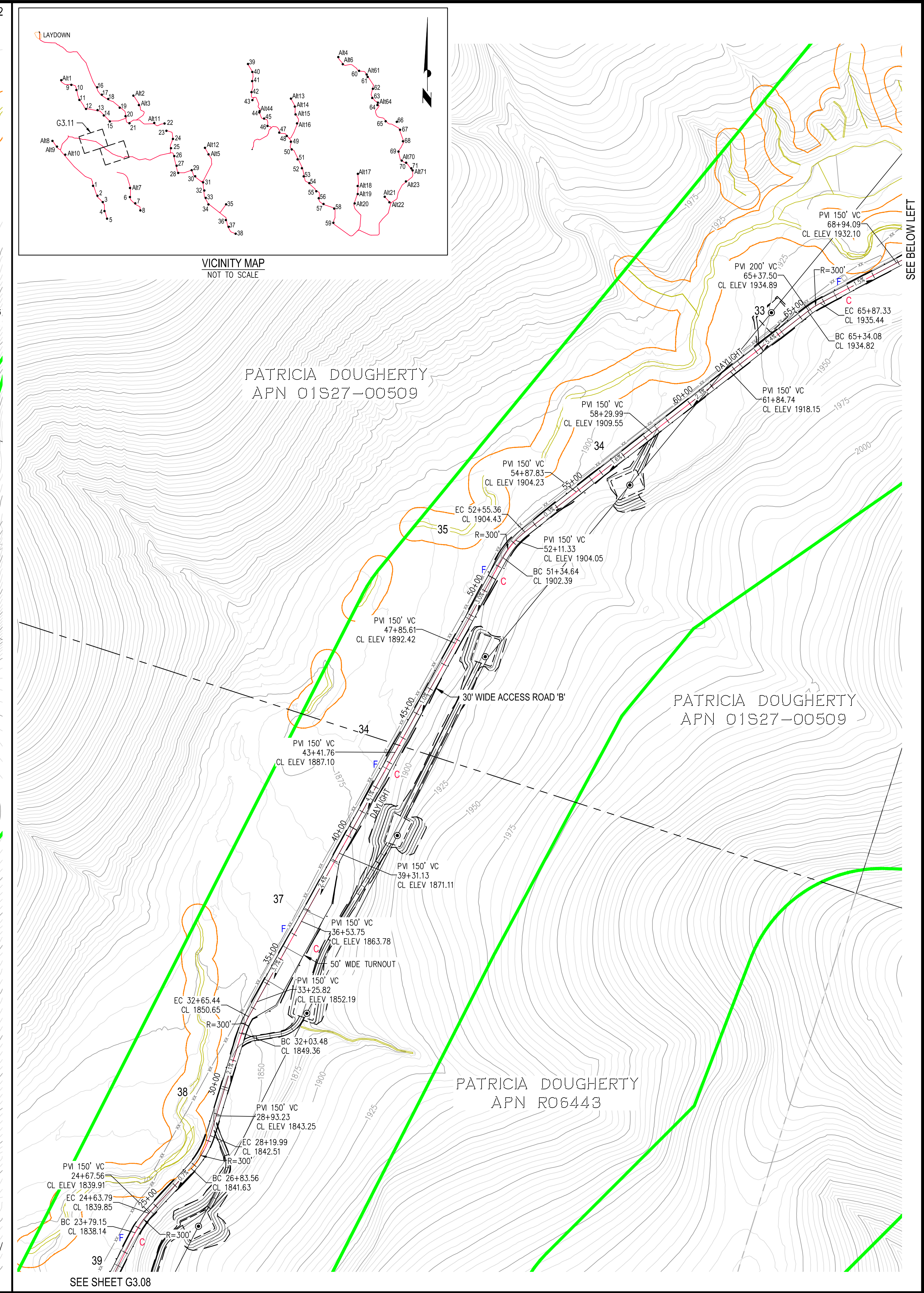
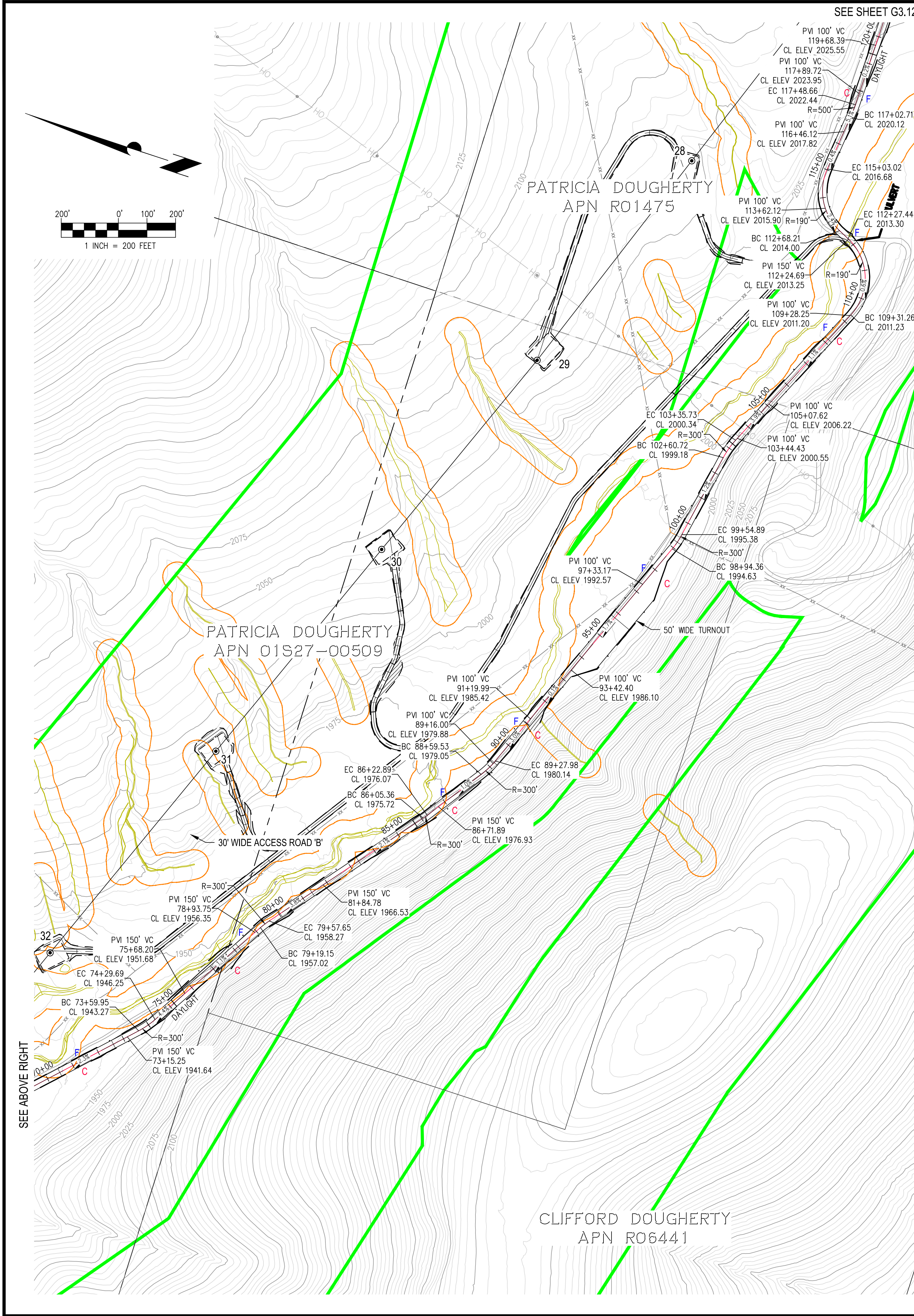


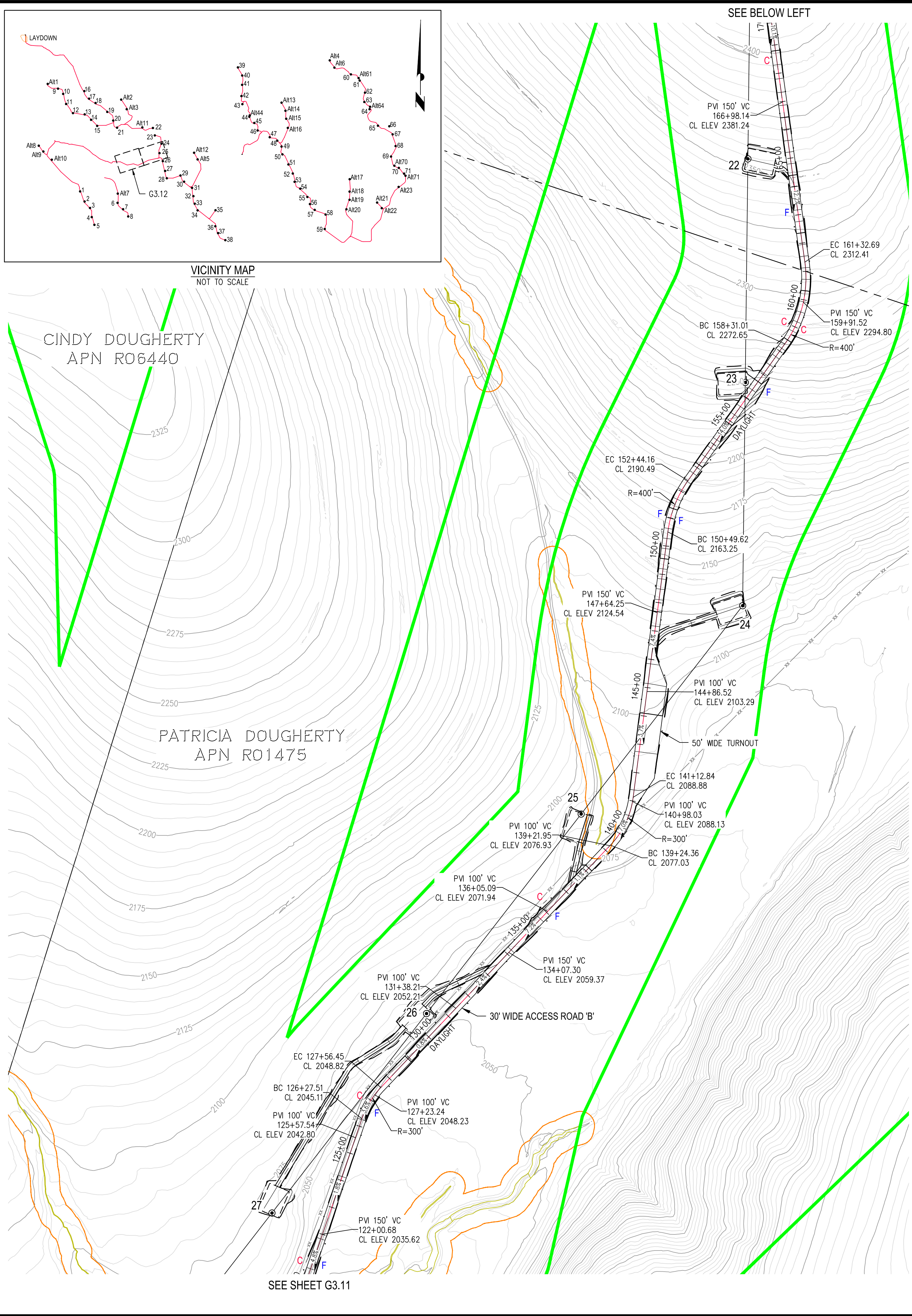
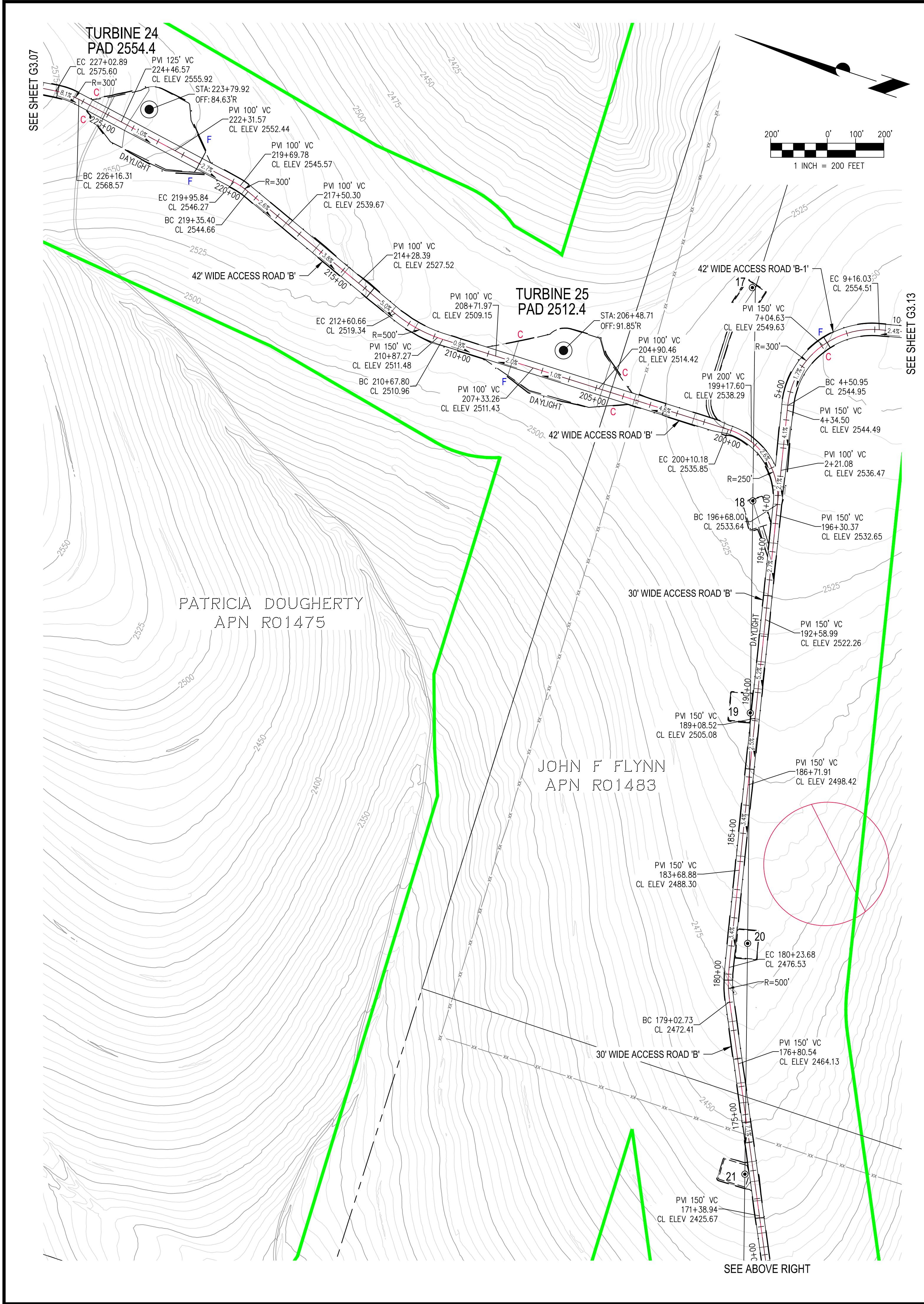
SEE SHEET G3.10

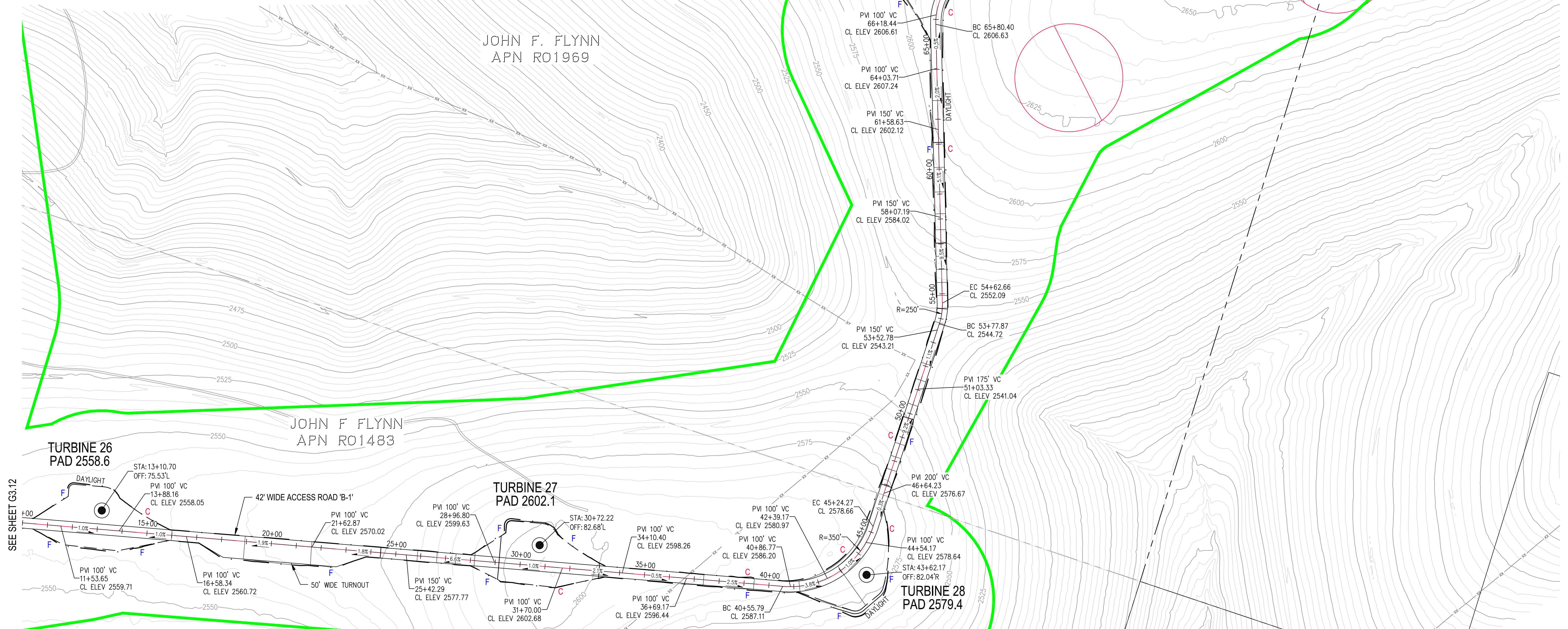
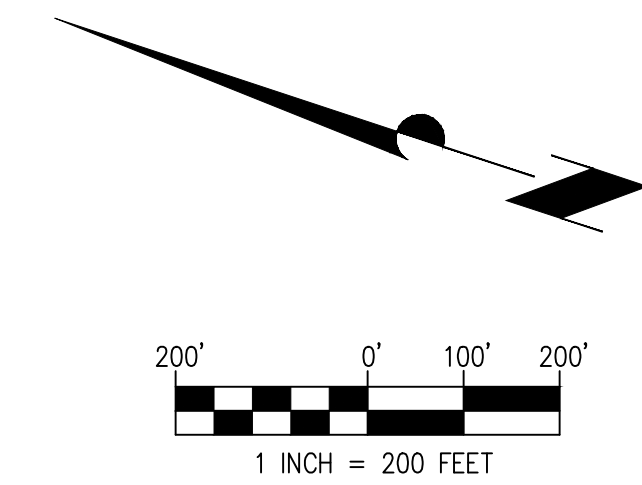
NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		ROAD C 72+65 - 140+71		GRADING PLANS	
ENGINEERING		SURVEYING • PLANNING		PHONE: 925.938.8888		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR DWG GRADING PLAN G3.08-G3.17 - 2171.dwg	
101 SAN ANGELO, DR. #100		WALNUT CREEK, CA 94598		DESIGN: G3.08		5/19/2023	
DATE: 05-17-23		SCALE: HORZ. 1" = 200'		VERT. N/A		DESIGNED BY: AMD	
REVIEWED BY: SDC		G3.09		PAGE 13 OF 48		AGENCY: dk	
ISSUE FOR BID DRAWINGS		DATE: 04-16-2023		NO.		DESCRIPTION	
REGISTERED PROFESSIONAL ENGINEER		OREGON 101354PE		AND FELLOW		MORROW COUNTY	



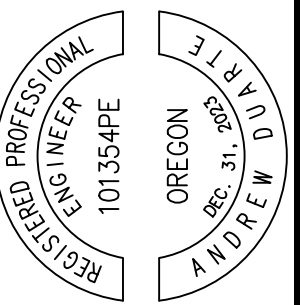
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ENGINEERING SURVEYING • PLANNING		PHONE: 503.688.2888 1801 SAN MIGUEL DR., SUITE 100 WALNUT CREEK, CA 94598		MORROW COUNTY		5/19/2023		F:\Projects\2021\21-1071 Wheatbridge East - Umatilla, OR\DWG\GRADING PLAN\G3.08-G3.17 - 2171.dwg	
DATE: 05-17-23		SCALE: HORZ. 1" = 200' VERT. N/A		DESIGNED BY: AMD		REVIEWED BY: SDC		G3.10	
PAGE 14		OF 48							







NO.	04-16-2023	DATE	DESCRIPTION	AGENCY
				dk



OREGON

**NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD B-1 9+97 - 95+25
GRADING PLANS**

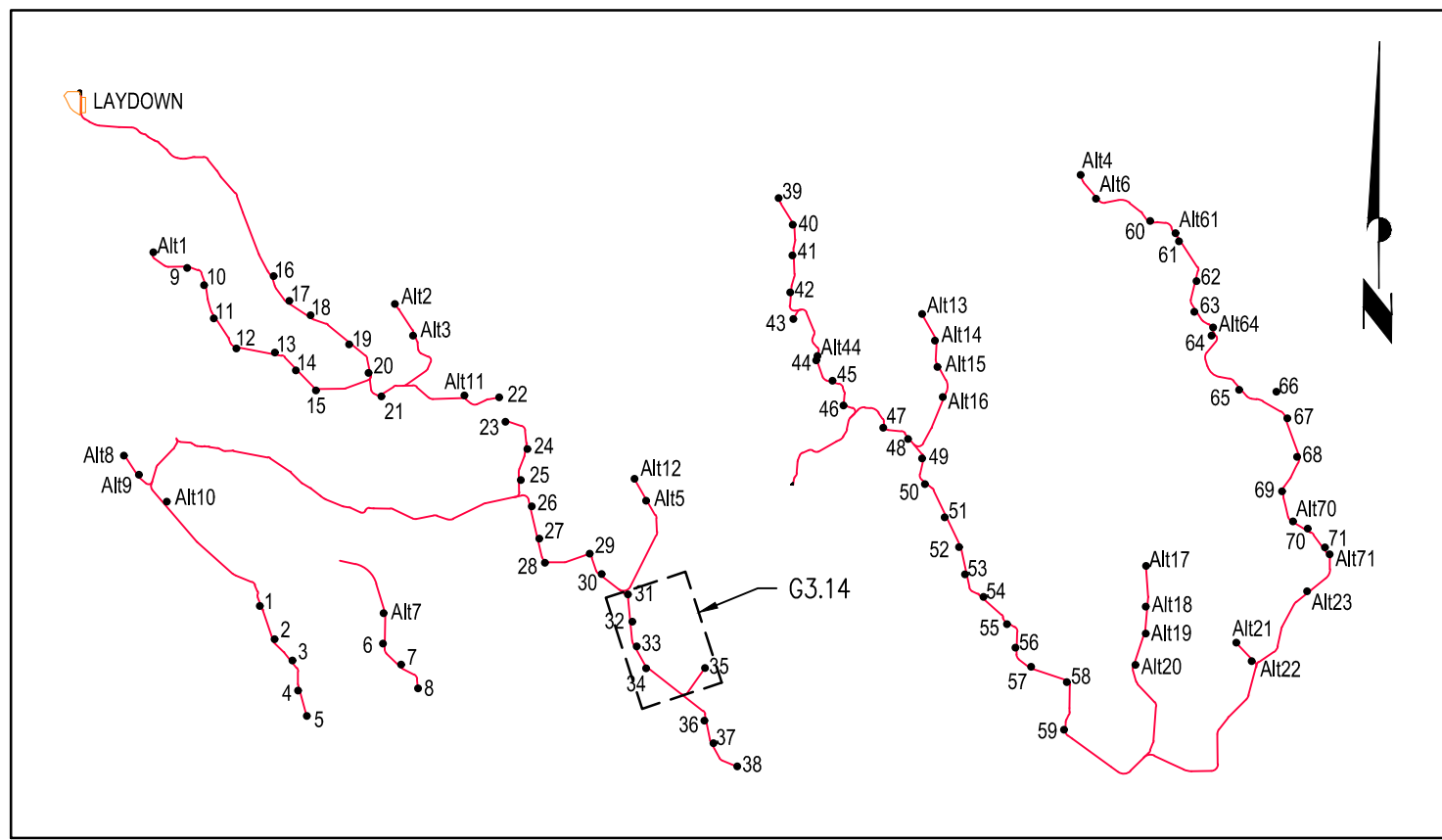
MORROW COUNTY



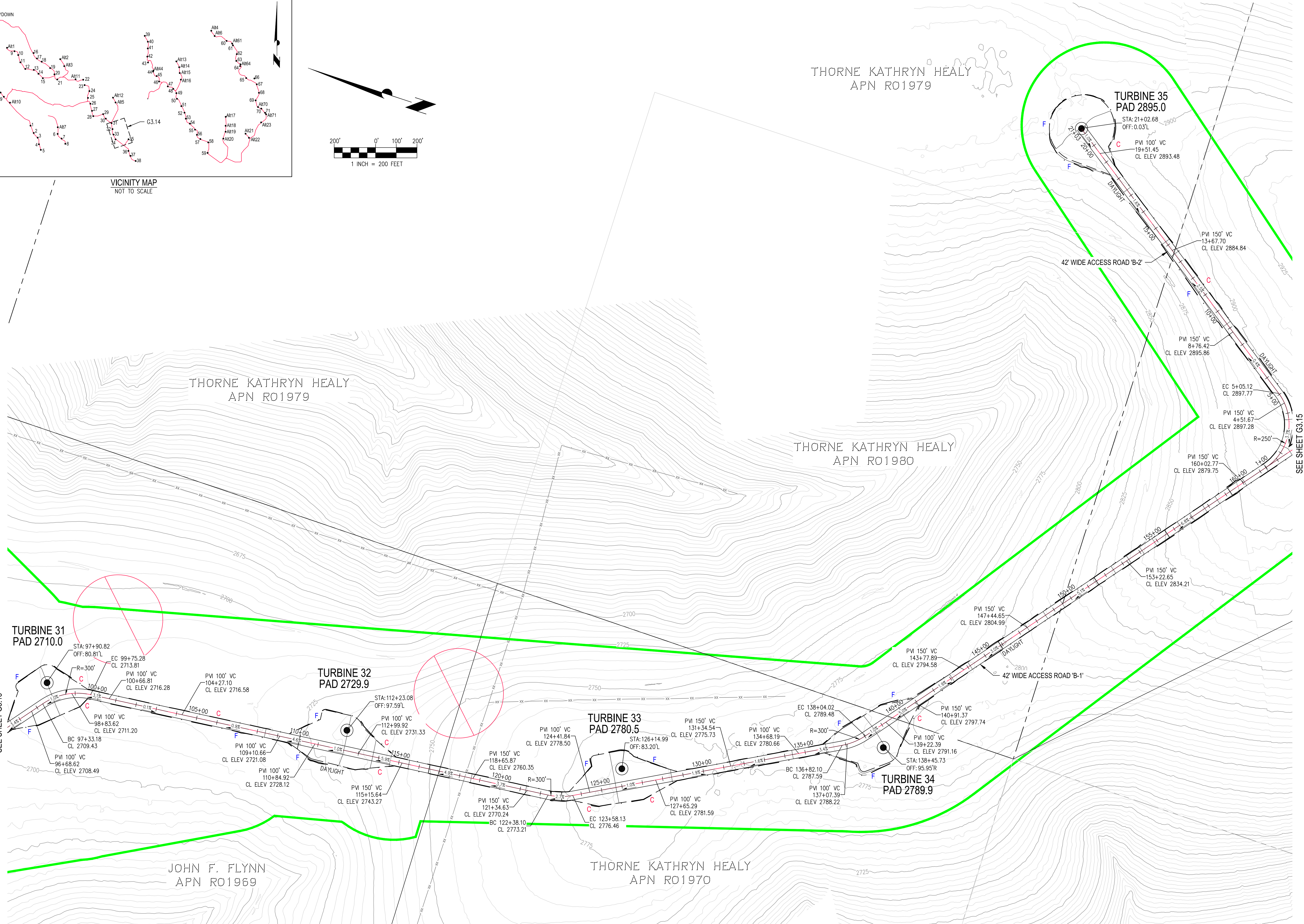
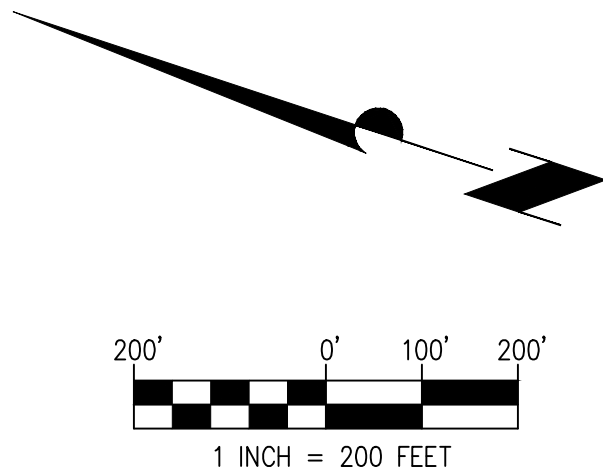
1331 SAN MIGUEL DR., #100
ALNUT CREEK, CA 94596
PHONE: (925) 932-8888
DXENGIN.COM

5/19/2023

DATE:	05-17-23
SCALE:	
HORIZ.	1" = 200'
VERT.	N/A
DESIGNED BY:	AMD
REVIEWED BY:	SDG
G3.13	
PAGE	17 OF 48



VICINITY MAP
NOT TO SCALE



NEXTERA ENERGY RESOURCES

WHEATRIDGE EAST

ROAD B-1 95+25 - 162+88, ROAD B-2 1+00 -

GRADING PLANS

PHONE: 952.988.8888
DESIGN: 2021

5/19/2023

2171.dwg



DATE: 05-17-23

SCALE:
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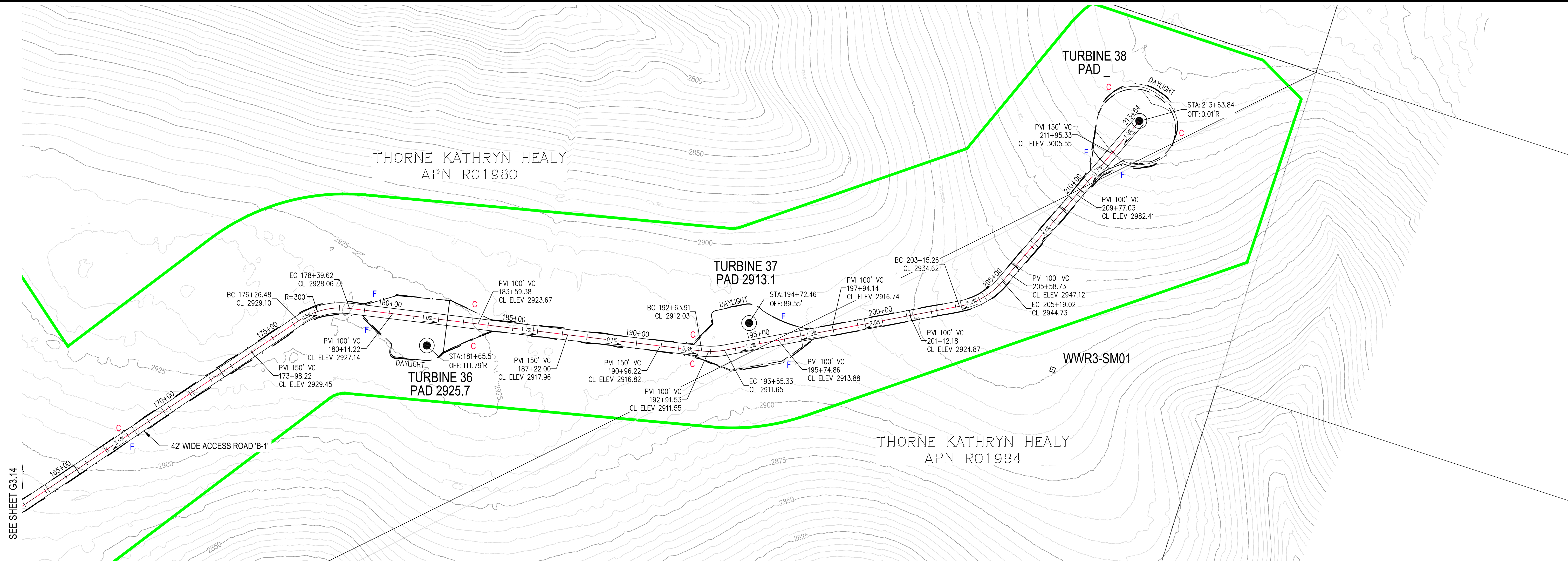
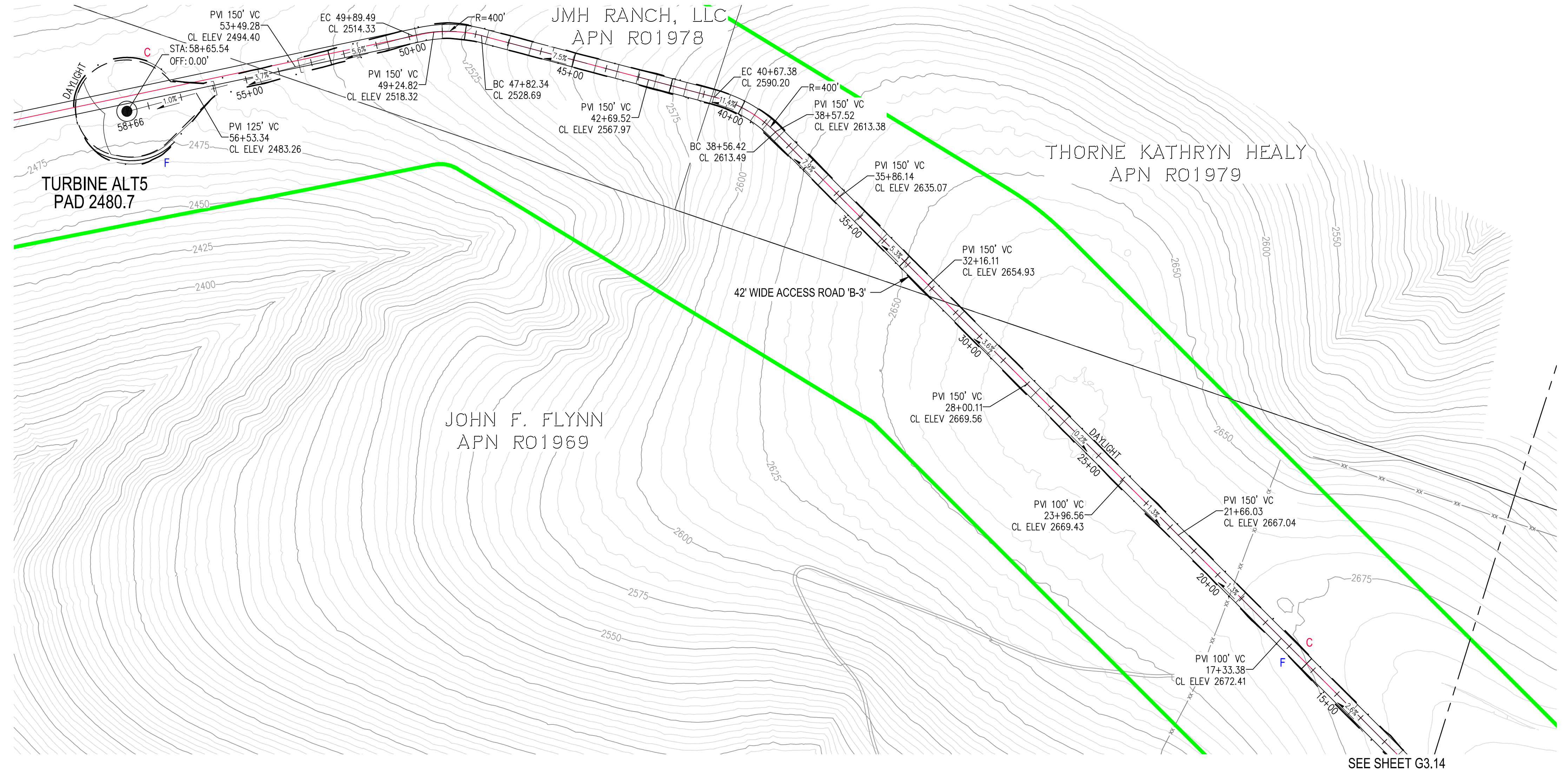
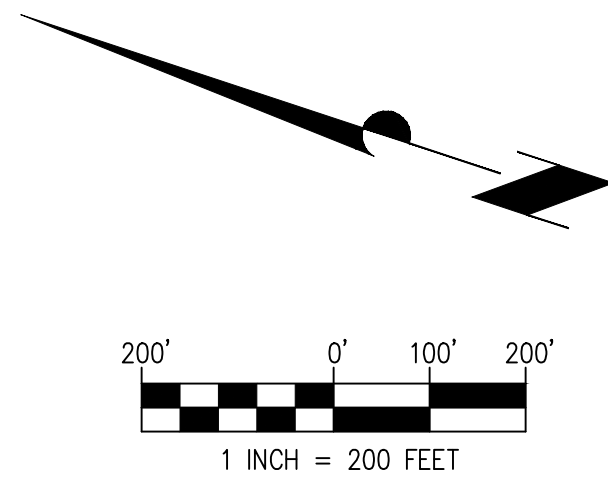
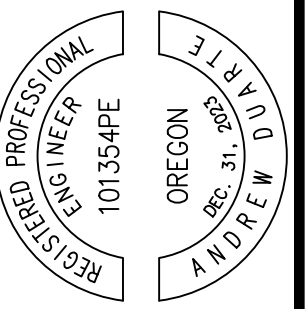
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REVIEWED BY: SDG

G3.14

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F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR DWG\GRADING PLAN\G3.08-G3.17 - 2171.dwg

[illegible]

OREGON

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD B-1 162+88 - END, ROAD B-3 1+00 - END
GRADING PLANS
COUNTY

E: (925) 932-6868
DKENGINE.COM



931 SAN MIGUEL DR., #100
WALNUT CREEK, CA 94596
PHONE: (925) 932-6868
DKENGIN.COM

DATE: 05-17-23

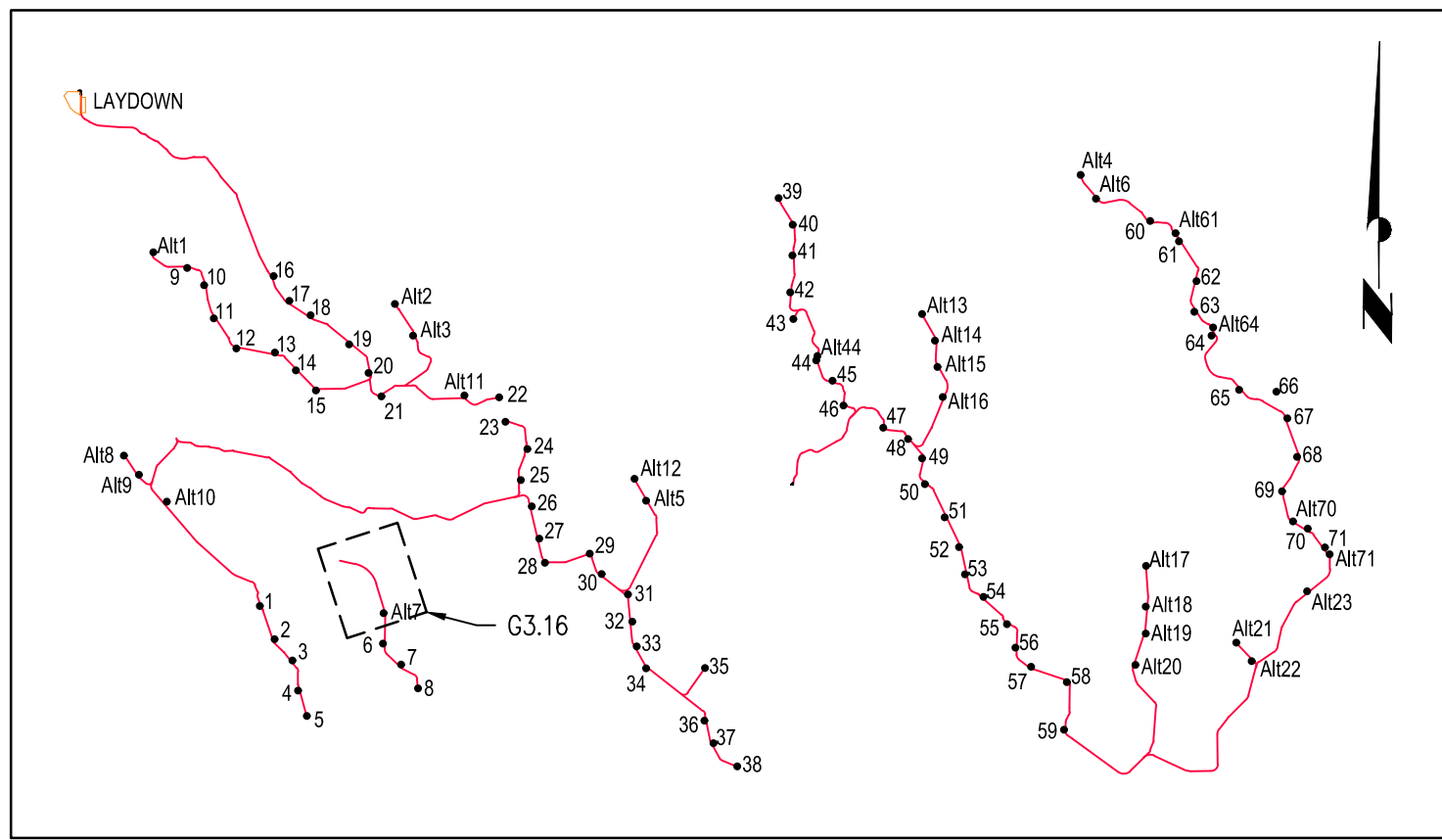
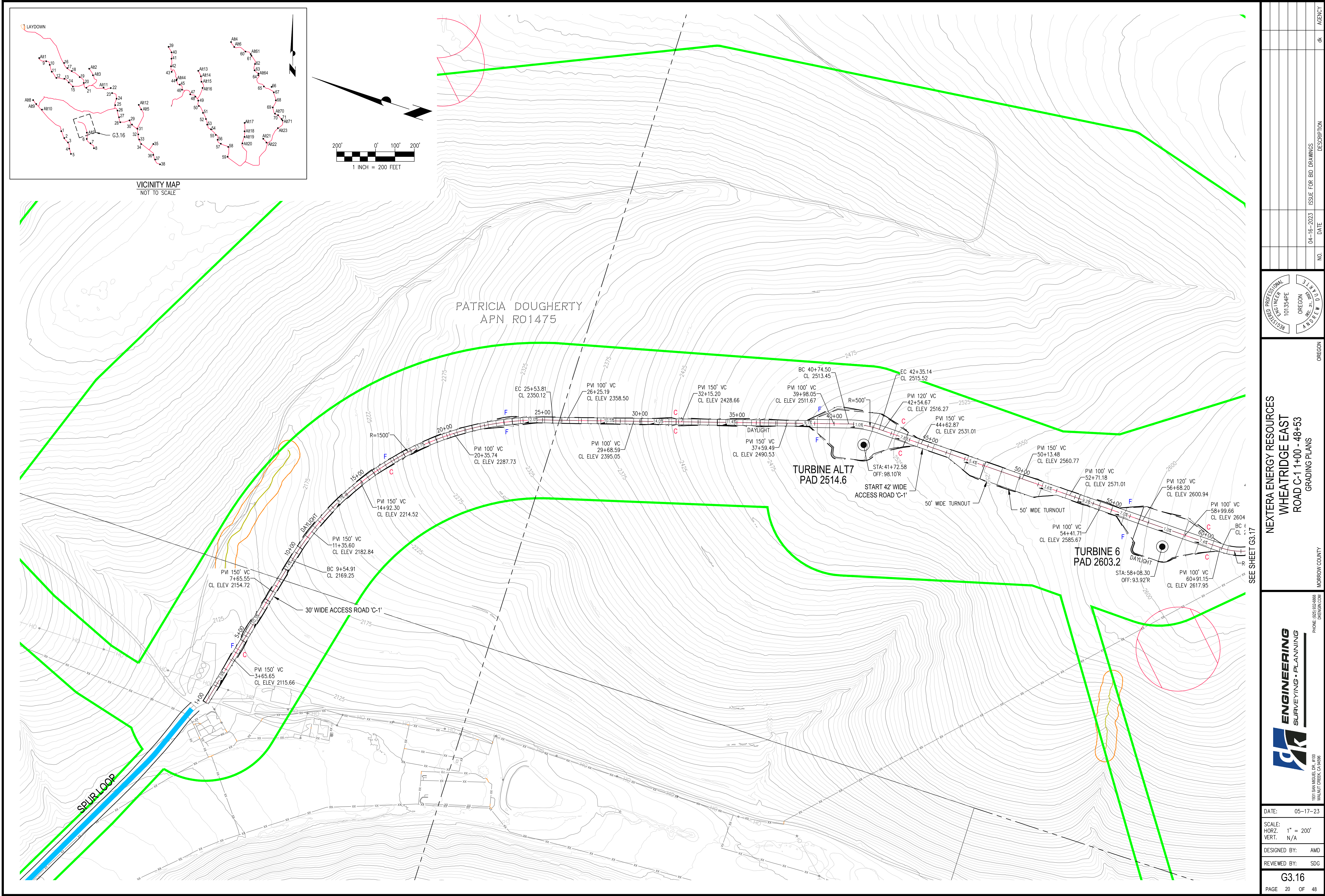
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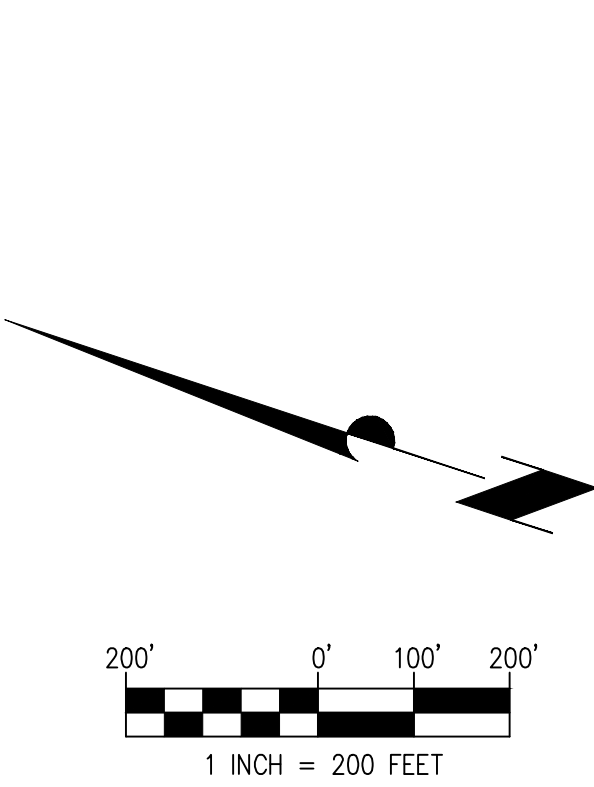
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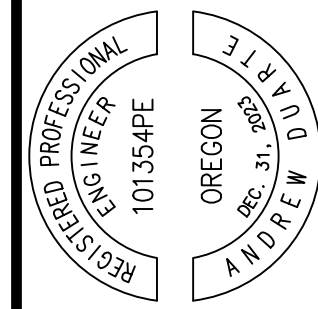
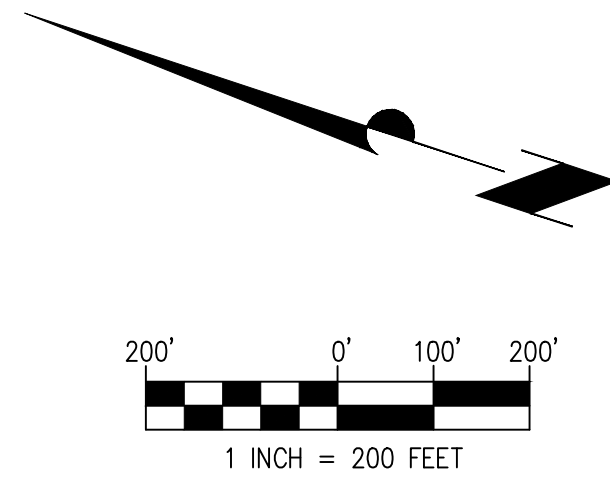
PAGE 19 OF 48



VICINITY MAP
NOT TO SCALE



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ENGINEERING		SURVEYING • PLANNING		PHONE: (503) 688-8888		F:\Projects\2021\21-1071 Wheatbridge East - Umatilla, OR\DWG\GRADING PLAN\G3.08-G3.17 - 2171.dwg	
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ISSUE FOR BID DRAWINGS		DESCRIPTION		NO.		AGENCY	

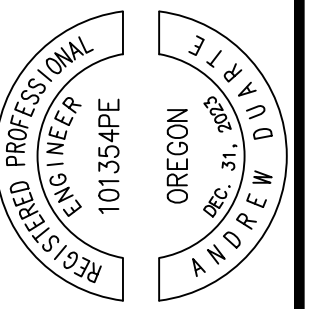
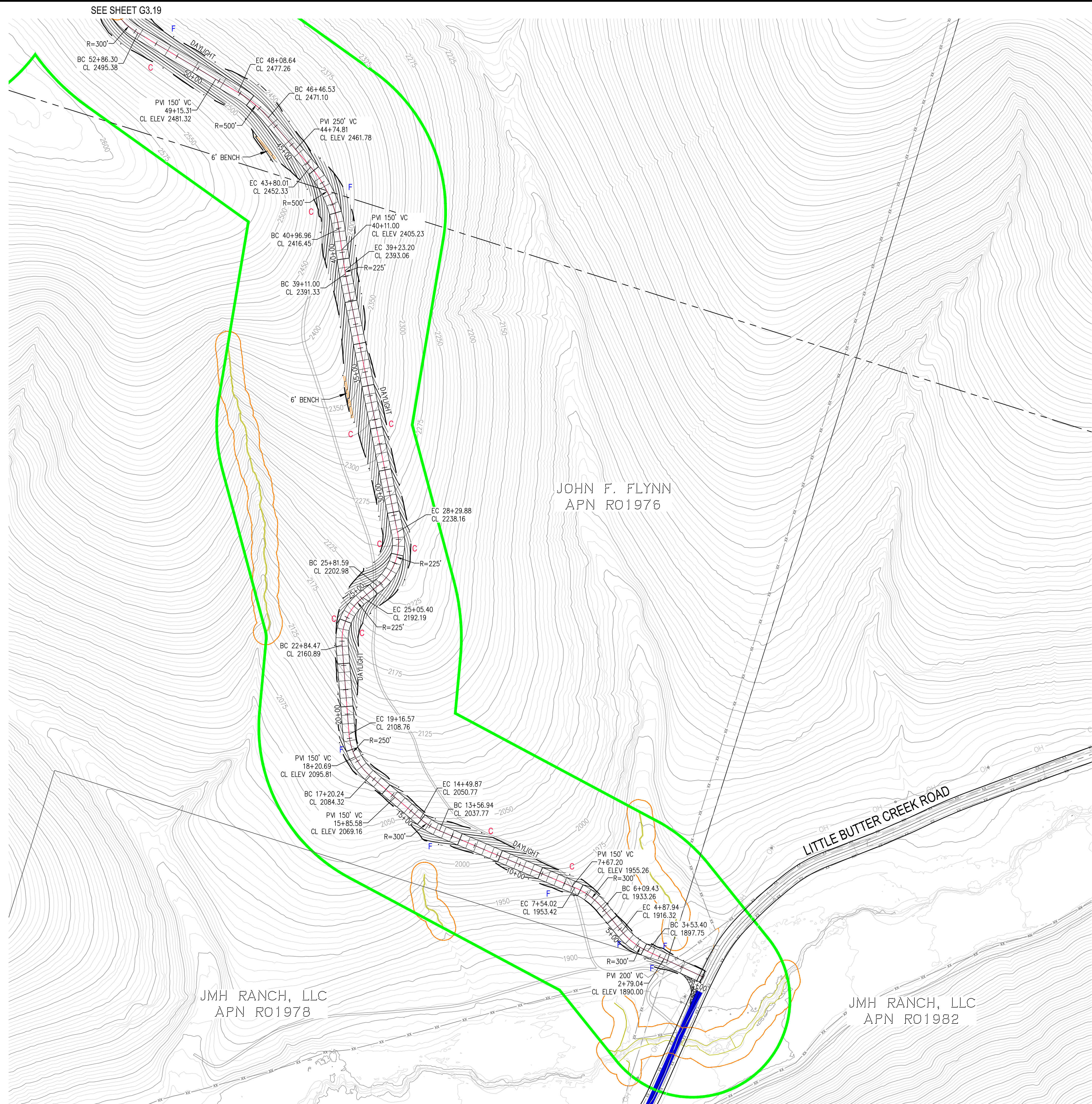


NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD C-1 48+53 - END
GRADING PLANS

ENGINEERING
SURVEYING • PLANNING

331 SAN MIGUEL DR., #170
WALNUT CREEK, CA 94596
PHONE: (925) 932-6988
DKNENG.COM

DATE:	05-17-23
SCALE:	
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DESIGNED BY:	AMD
REVIEWED BY:	SDG
G3.17	
PAGE	21 OF 48



OREGON

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD D 1+00 - 53+89
GRADING PLANS

MORROW COUNTY



WALNUT CREEK, CA 94596
DKENGIN.COM

DATE: 05-17-23

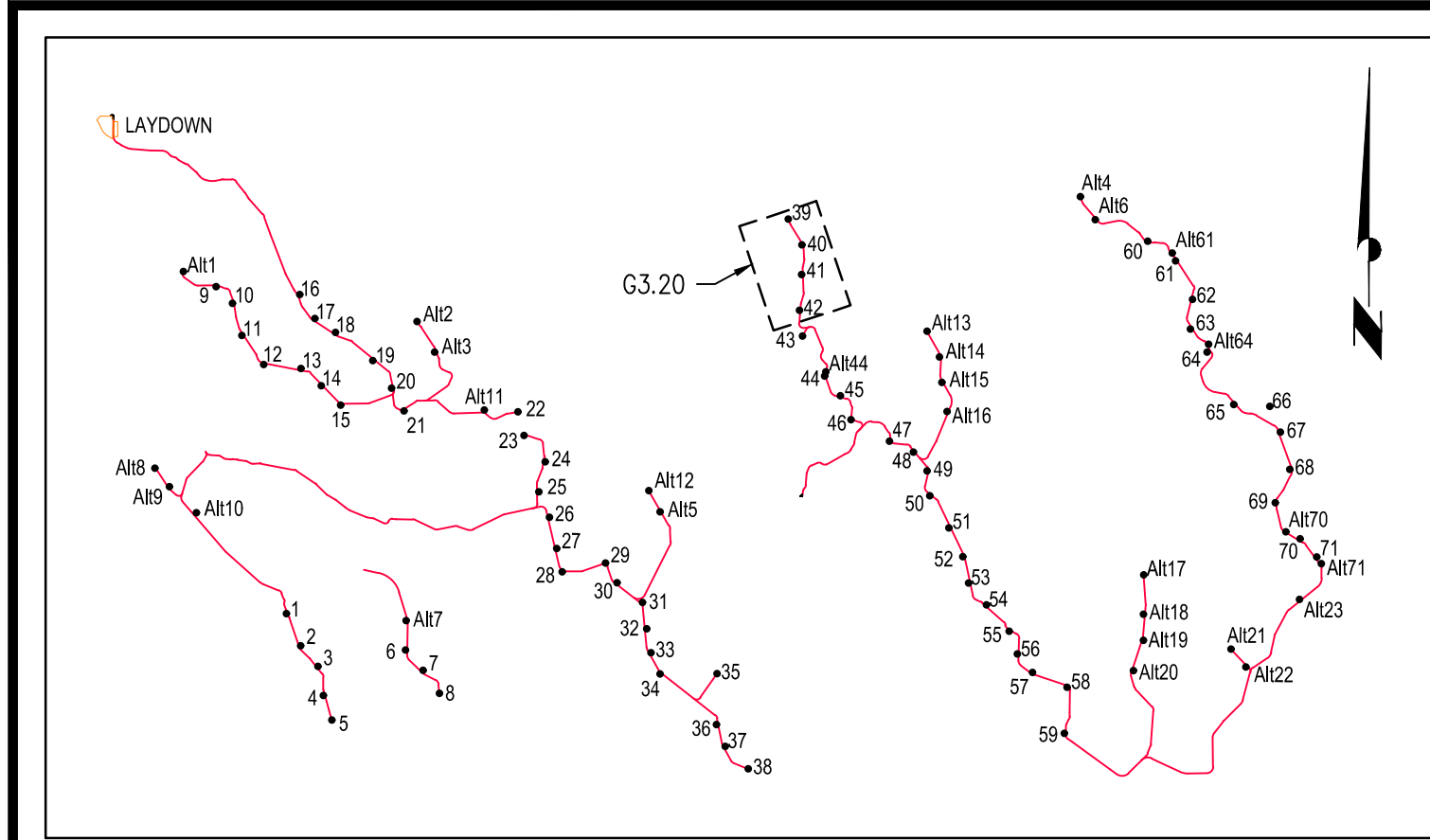
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DESIGNED BY: AMD

REVIEWED BY: SDG

G3.18

PAGE 22 OF 48



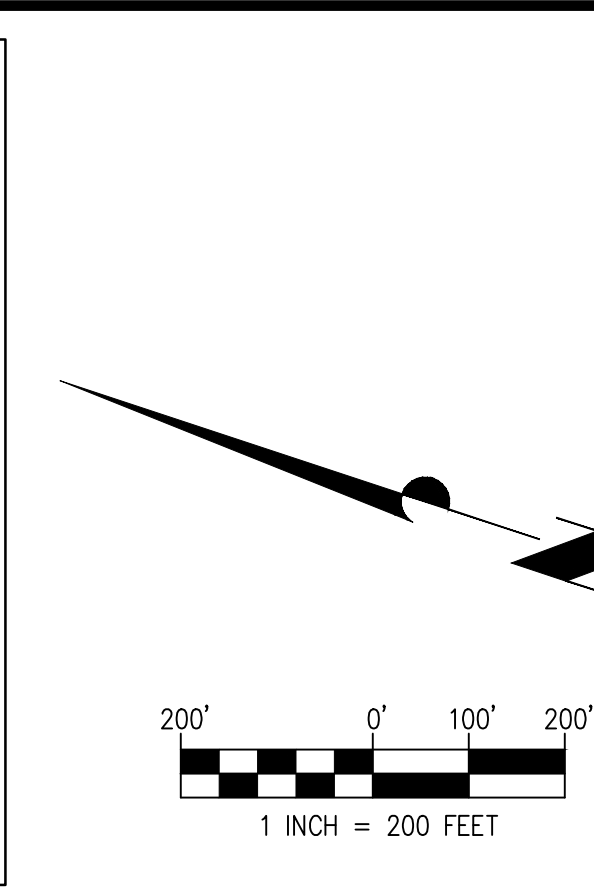
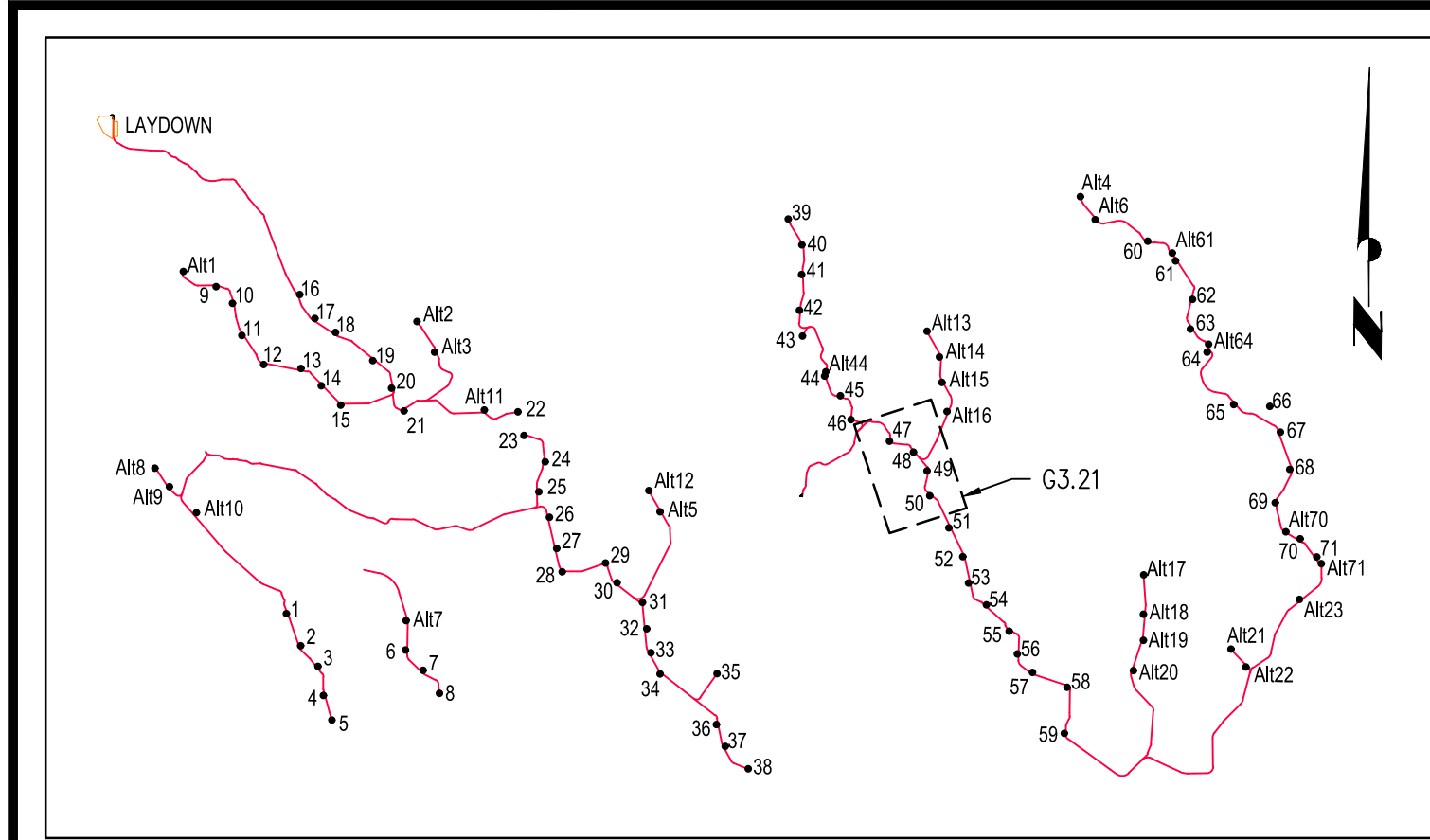
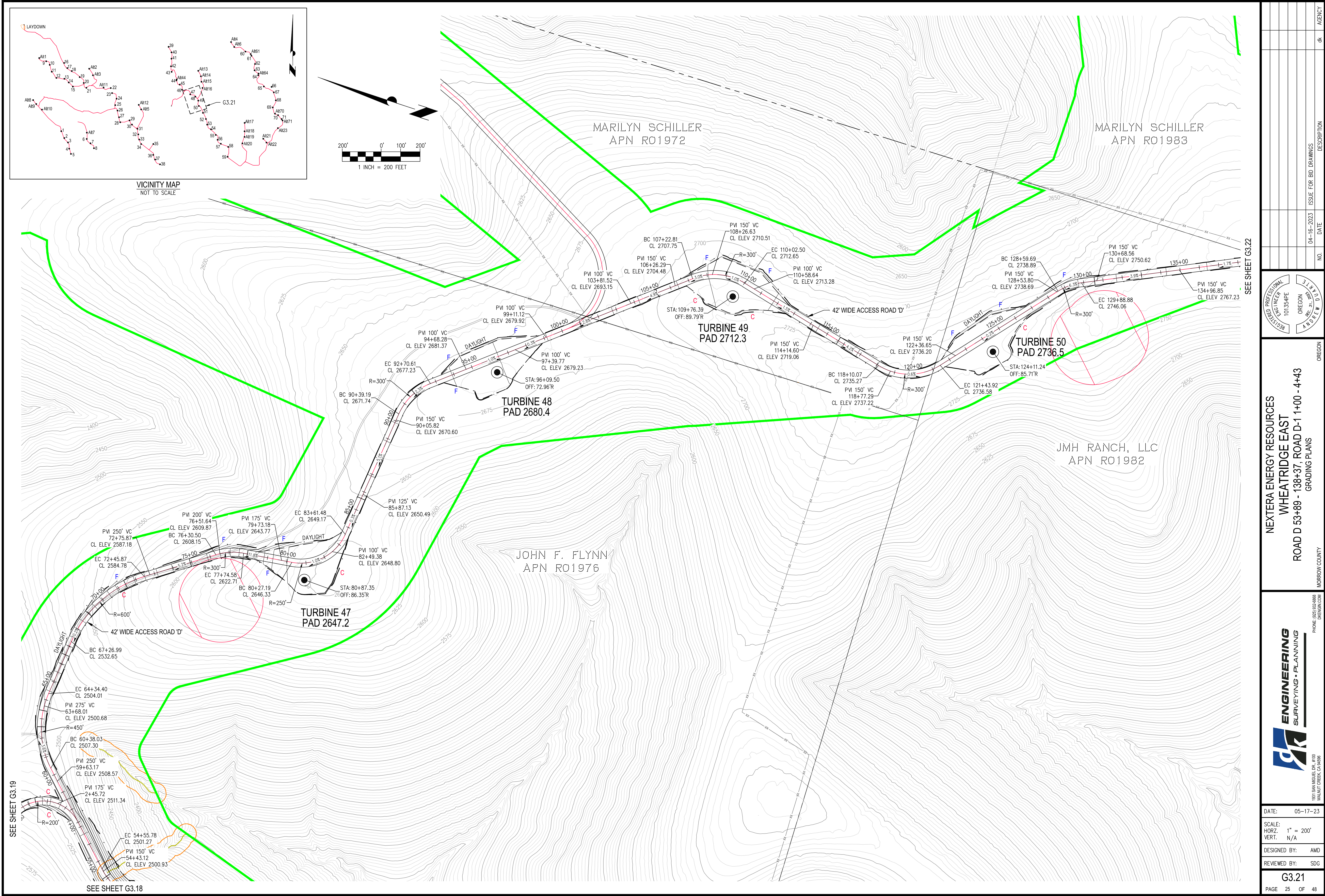
VICINITY MAP
NOT TO SCALE

200' 0' 100' 200'
1 INCH = 200 FEET



SEE SHEET G3.19

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ENGINEERING		SURVEYING • PLANNING		PHONE: 952.688.8888		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR DWG\GRADING PLAN G3.18-G3.30 - 2171.dwg	
101 SAN ANGELO, DR. #100		WALNUT CREEK, CA 94598		DESIGN: G3.20		5/18/2023	
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ISSUE FOR BID DRAWINGS		NO.		DESCRIPTION		AGENCY	

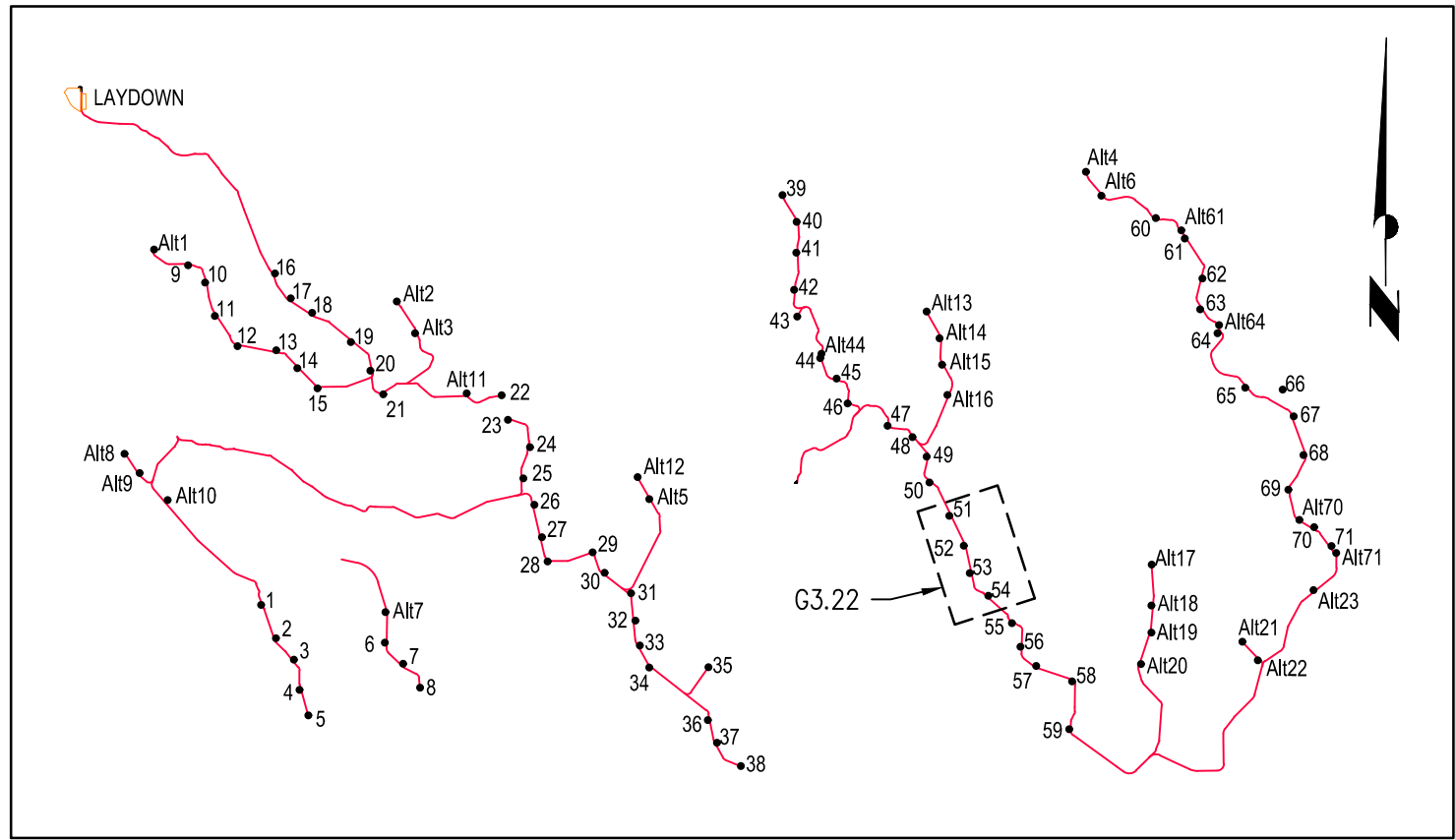


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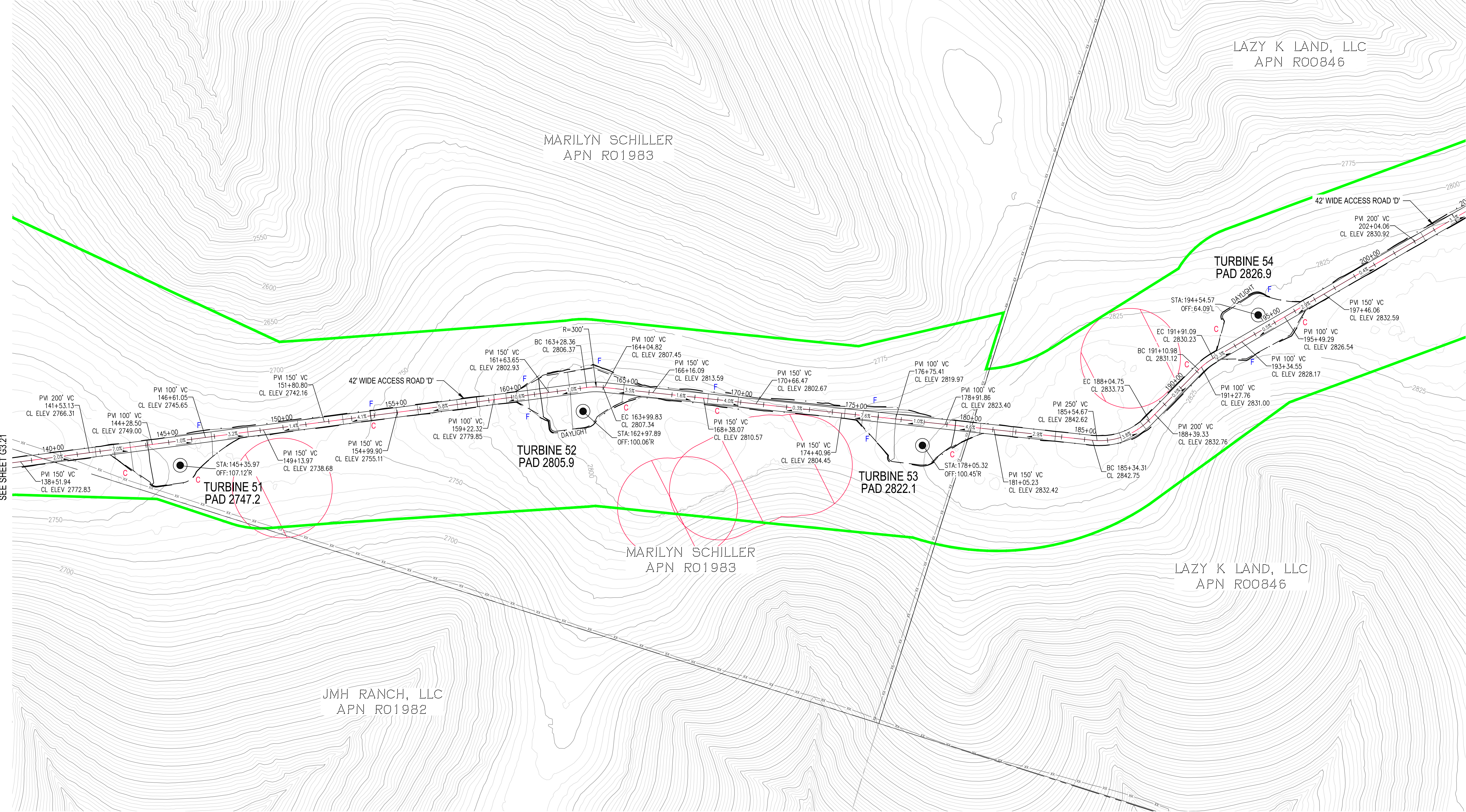
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SEE SHEET G3.18

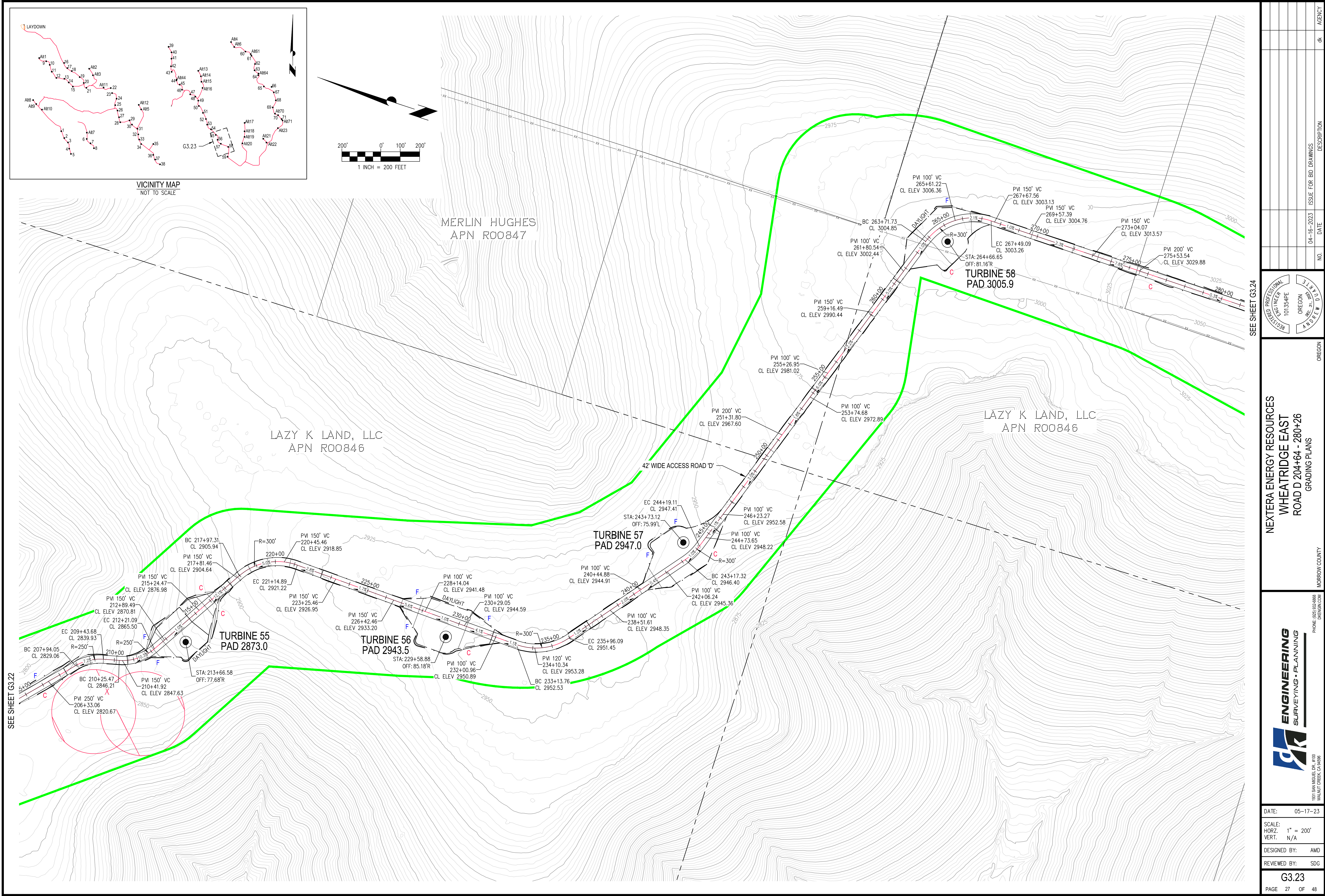
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PROJECT NO: 21-1071 PROJECT NAME: Wheatridge East - Umatilla, OR DWG GRADING PLAN G3.18-G3.30 - 2171.dwg DATE: 05-17-23 SCALE: 1" = 200' DESIGNED BY: AMD REVIEWED BY: SDG G3.21 PAGE 25 OF 48		PROJECT NO: 21-1071 PROJECT NAME: Wheatridge East - Umatilla, OR DWG GRADING PLAN G3.18-G3.30 - 2171.dwg DATE: 05-17-23 SCALE: 1" = 200' DESIGNED BY: AMD REVIEWED BY: SDG G3.21 PAGE 25 OF 48	

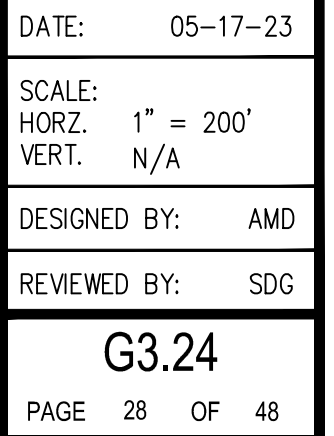
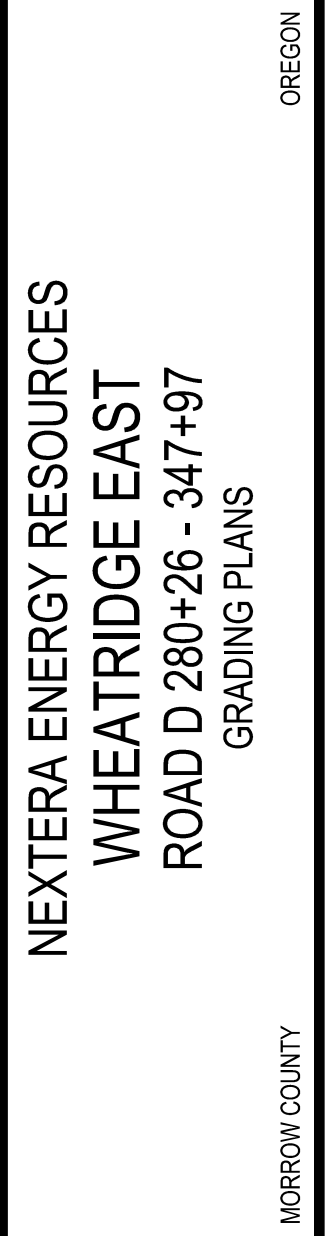
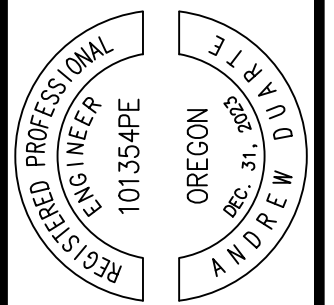
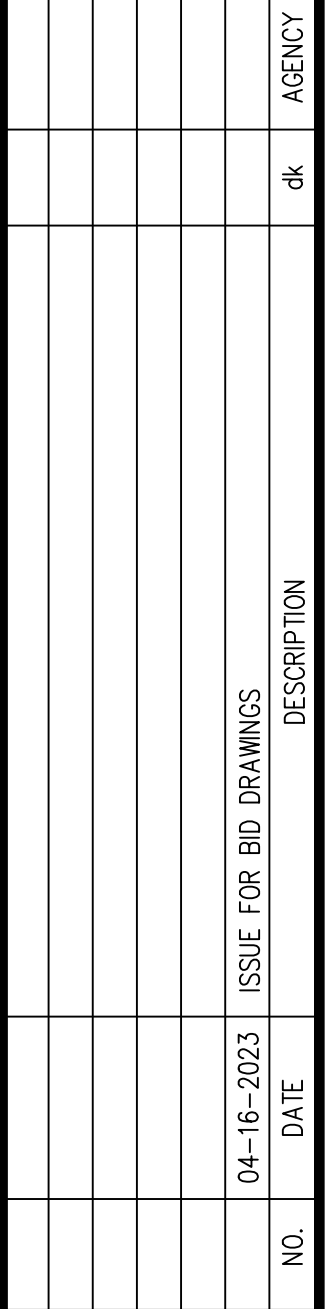


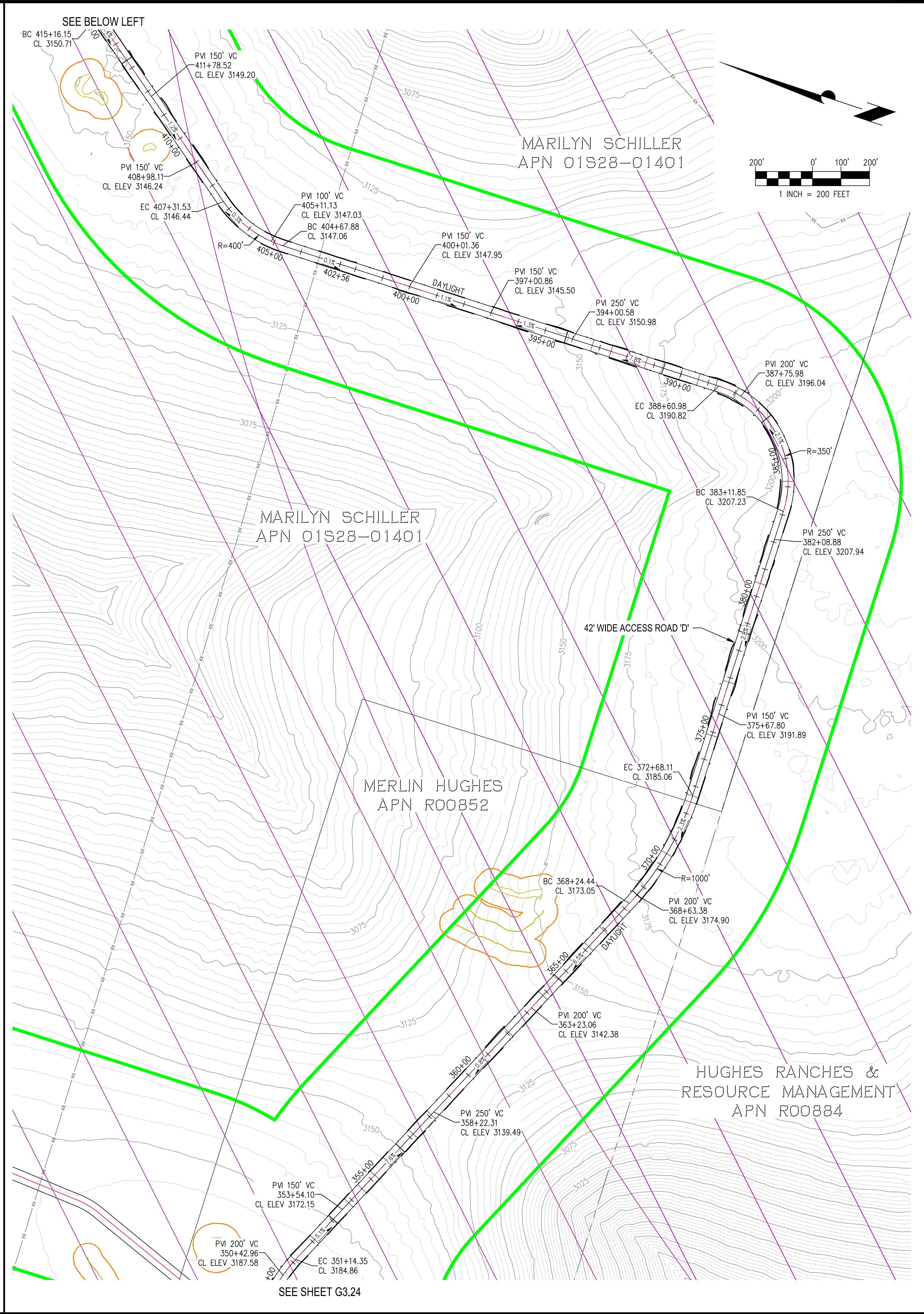
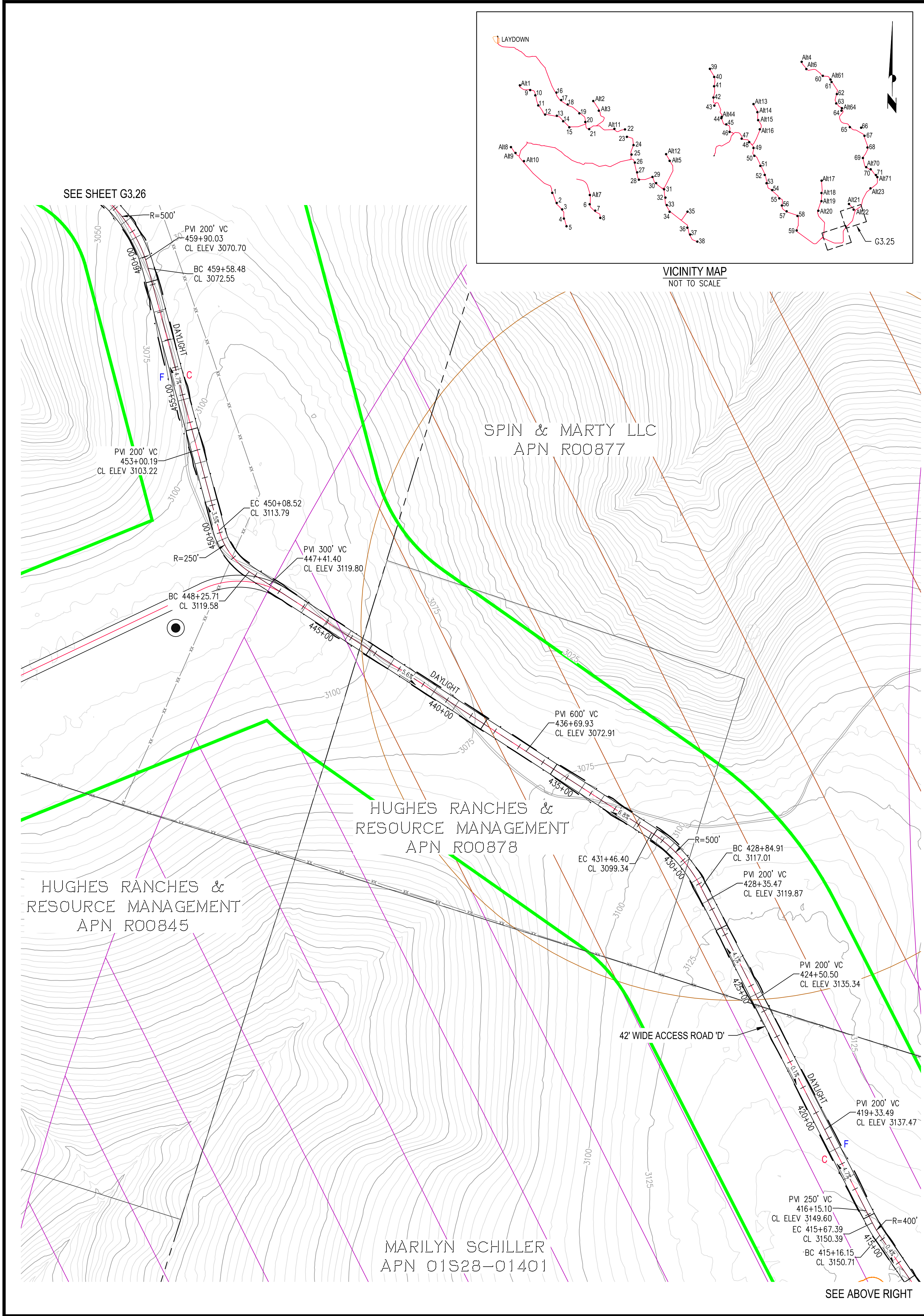
VICINITY MAP
NOT TO SCALE

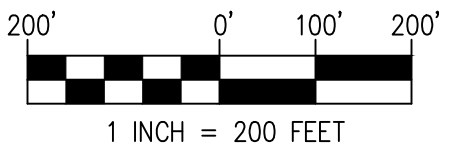
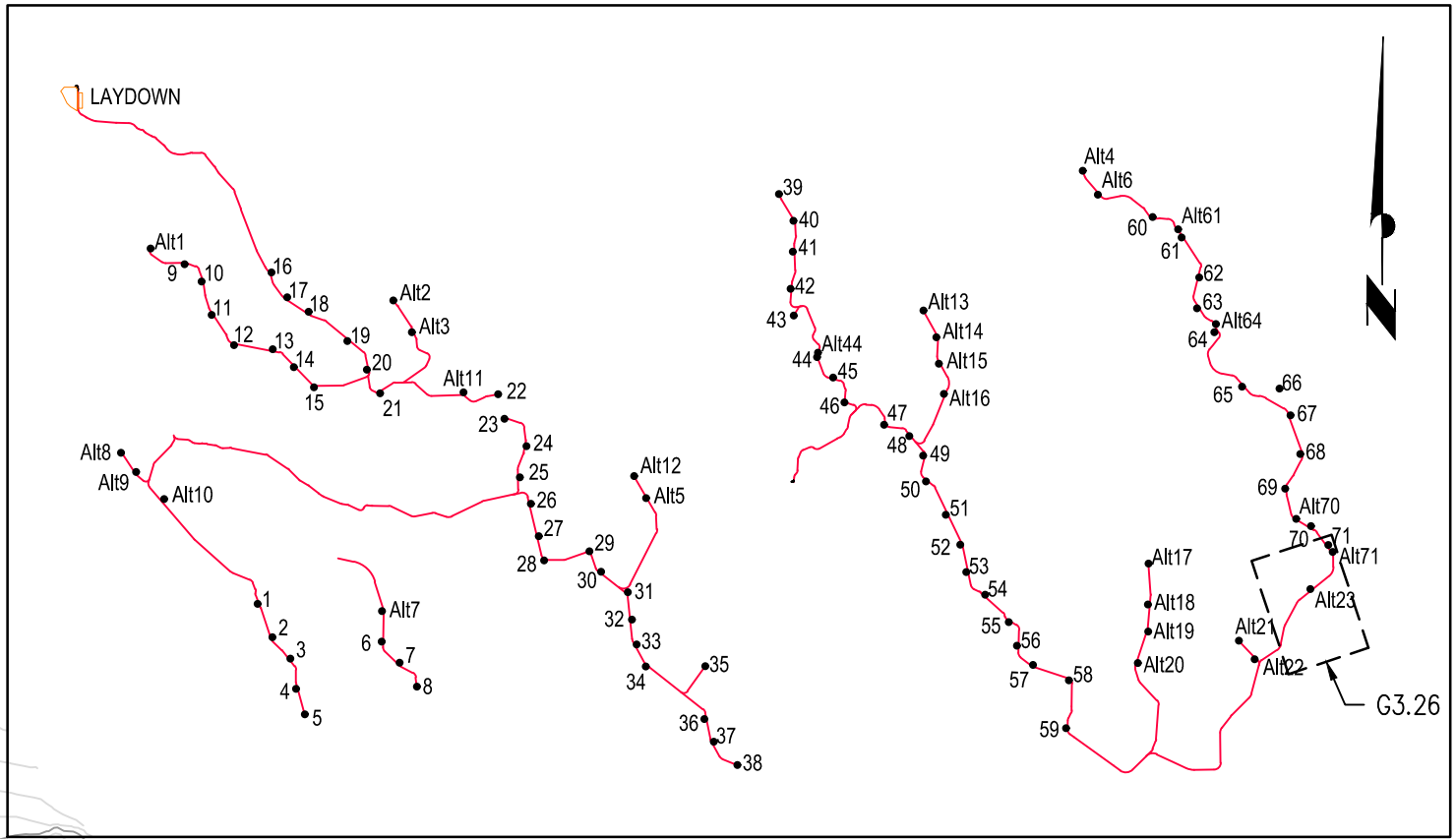
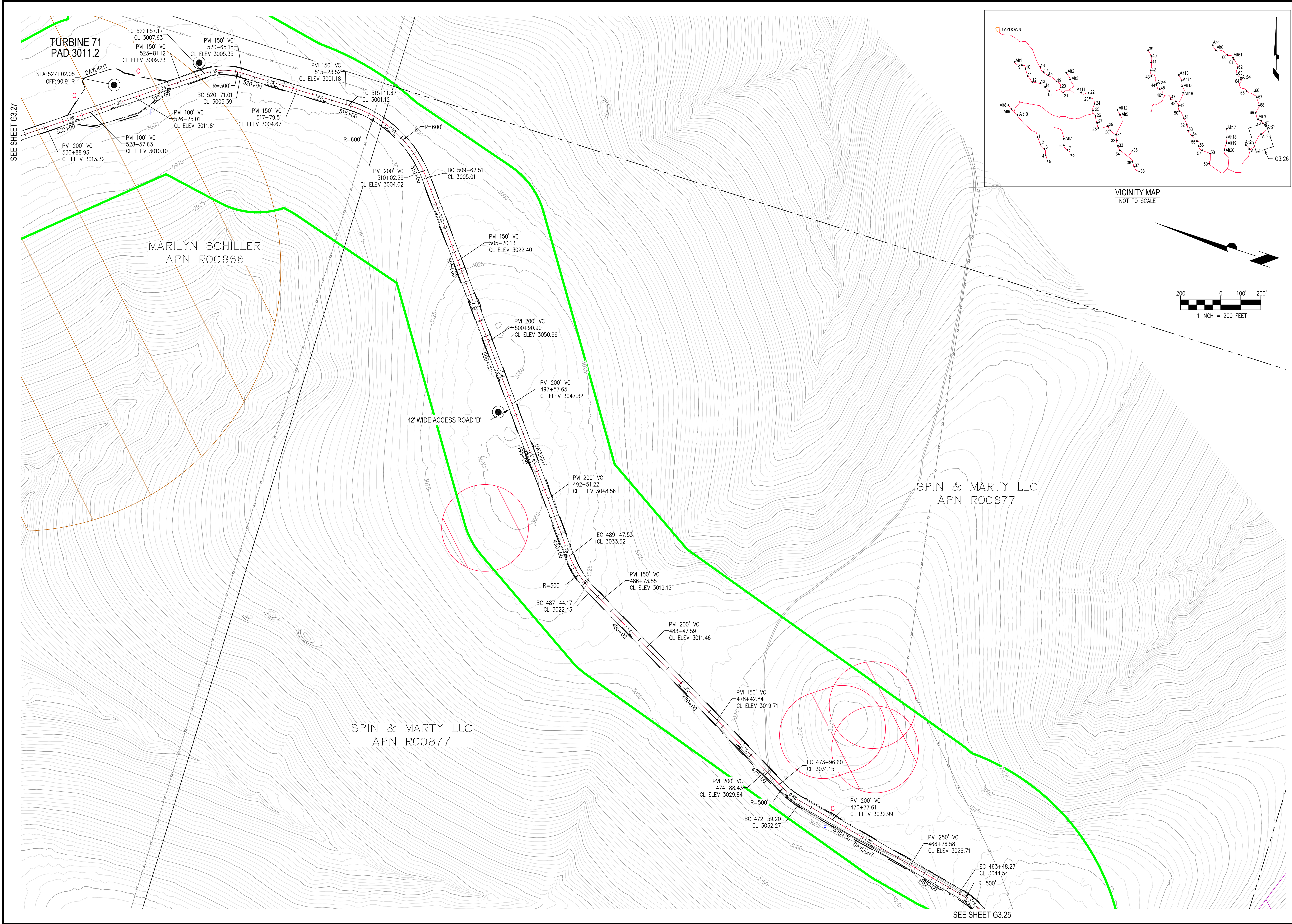


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PAGE 26 OF 48	
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5/18/2023	
PHONE: 509.988.9888	
FAX: 509.988.9889	
1801 SAN ANGELES DR. #100	
WALNUT CREEK, CA 94596	
NEXTERA ENERGY RESOURCES	
WHEATRIDGE EAST	
ROAD D 138+37 - 204+64	
GRADING PLANS	
MORROW COUNTY	
OREGON	
REGISTERED PROFESSIONAL ENGINEER	
101354PE	
OREGON	
AND FIVE D	
NO.	
DATE	
ISSUE FOR BID DRAWINGS	
04-16-2023	
AGENCY	
dk	

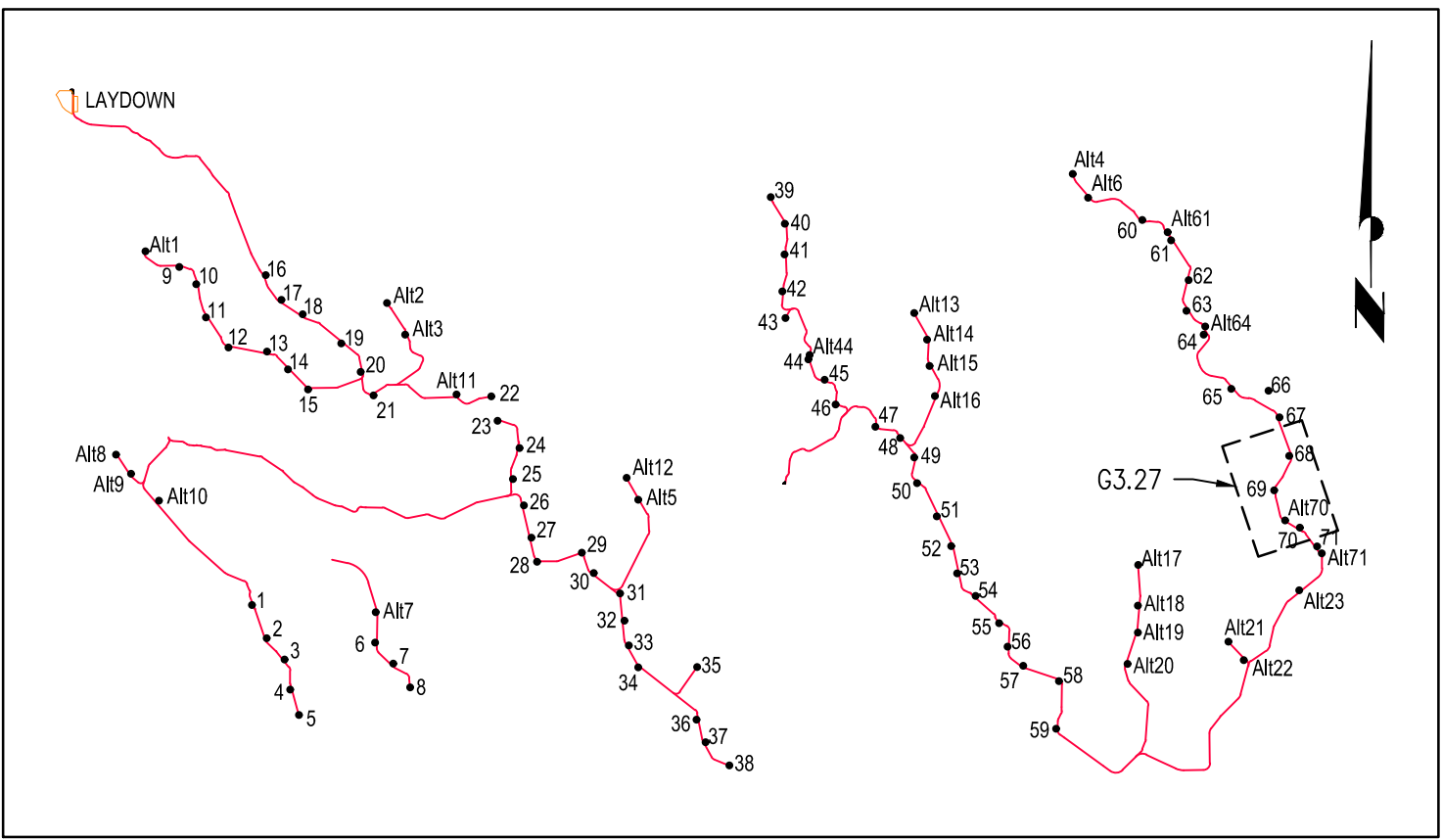








		DATE: 05-17-23 SCALE: HORZ. 1" = 200' VERT. N/A DESIGNED BY: AMD REVIEWED BY: SDG G3.26 PAGE 30 OF 48
NEXTERA ENERGY RESOURCES WHEATBRIDGE EAST ROAD D 456+71 - 526+75 GRADING PLANS		MORROW COUNTY OREGON
PROJECT NO. 21-1071 PROJECT NAME: Wheatbridge East - Umatilla, OR DWG GRADING PLAN G3.18-G3.30 - 2171.dwg DATE: 5/18/2023		NO. 04-16-2023 DATE DESCRIPTION ISSUE FOR BID DRAWINGS AGENCY: dk



VICINITY MAP
NOT TO SCALE

SEE SHEET G3.26

**NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD D 526+75 - 598+01
GRADING PLANS**

5/18/2023
DKENGIN.COM
E: (925) 932-6868



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5/18/2023
DKENGIN.COM
E: (925) 932-6868

DATE: 05-17-23

SCALE:
HORZ. 1" = 200'
VERT. N/A

DESIGNED BY: AMD

REVIEWED BY: SDG

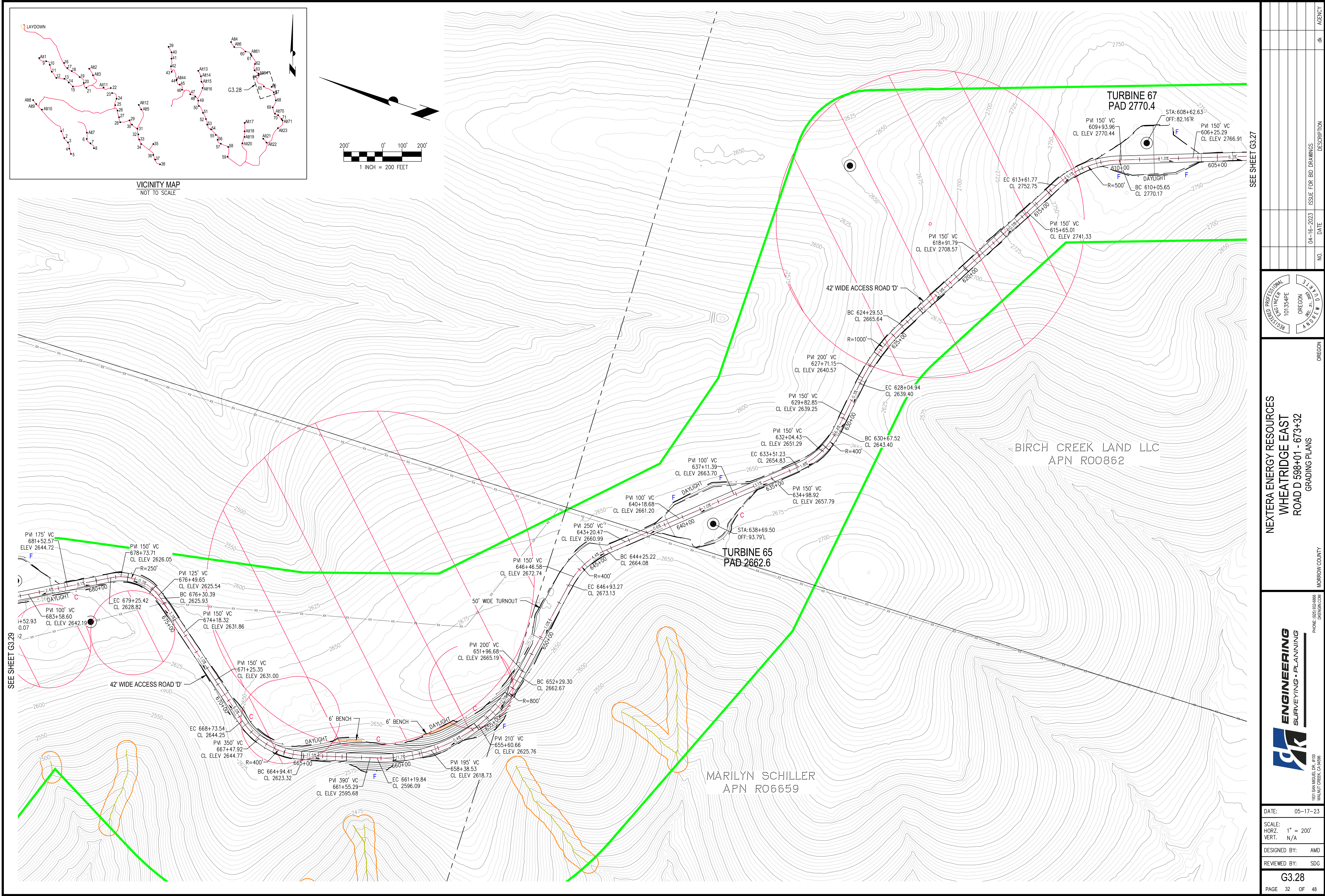
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PAGE 31 OF 48

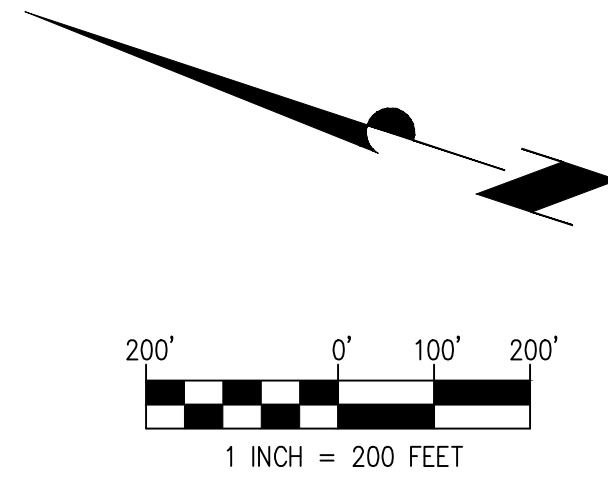
5/18/2023
DKENGIN.COM
E: (925) 932-6868

dk JOB NO: 21-1071

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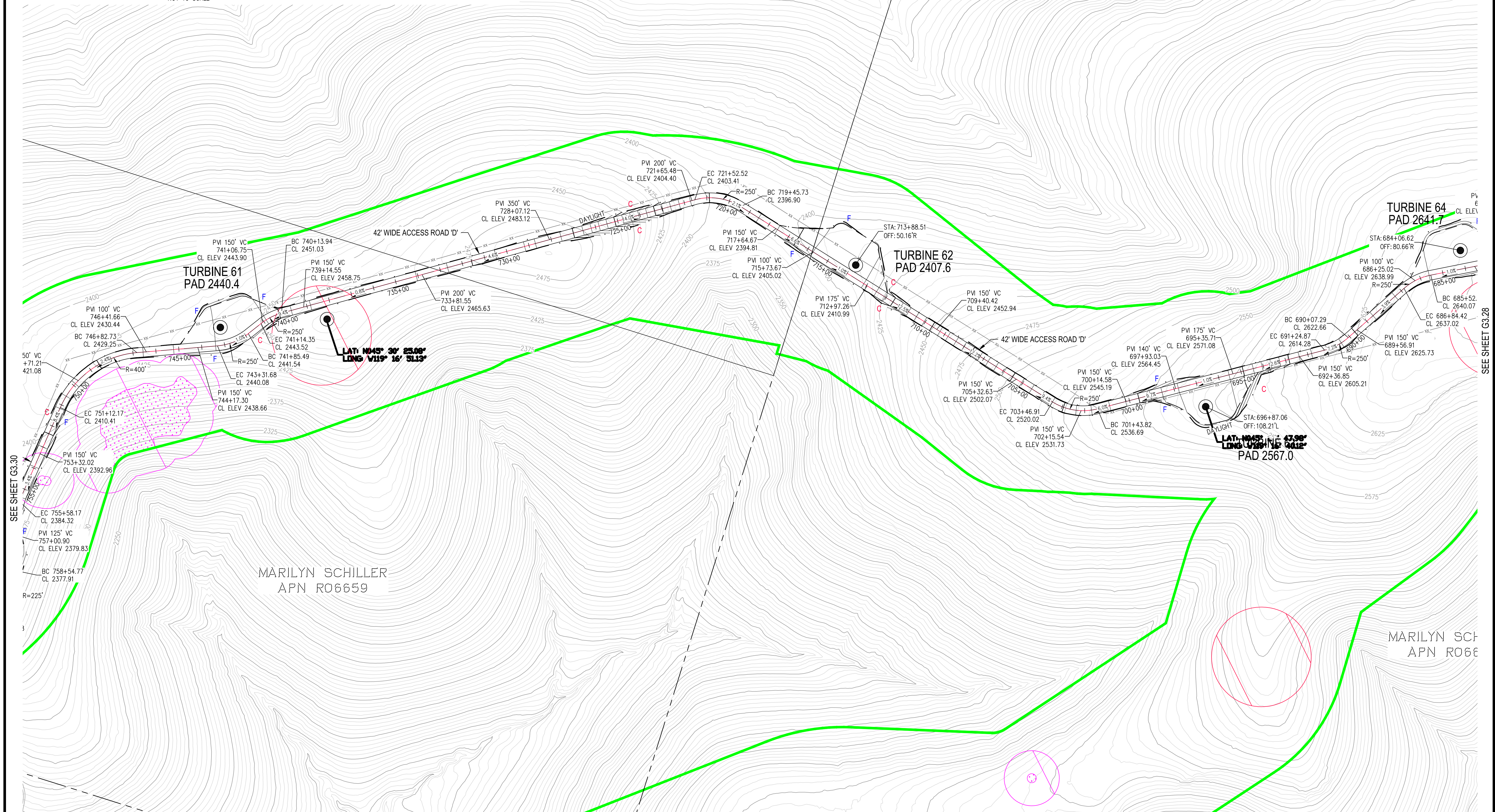


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PROFESSIONAL ENGINEER		101354PE		04-16-2023		ISSUE FOR BID DRAWINGS		NO.		DATE	
REGISTERED		ANDREW D.		04-16-2023		ISSUE FOR BID DRAWINGS		NO.		DATE	
AGENCY		dk		04-16-2023		ISSUE FOR BID DRAWINGS		NO.		DATE	



BIRCH CREEK
LAND LLC
APN R01971

BIRCH CREEK LAND LLC
APN R00862



OREGON

**NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD D 673+32 - 736+93
GRADING PLANS**

MORROW COUNTY

DKENGIN.COM

5/18/2023

b.w.

pk **ENGINEERING**
SURVEYING • PLANNING

WAL

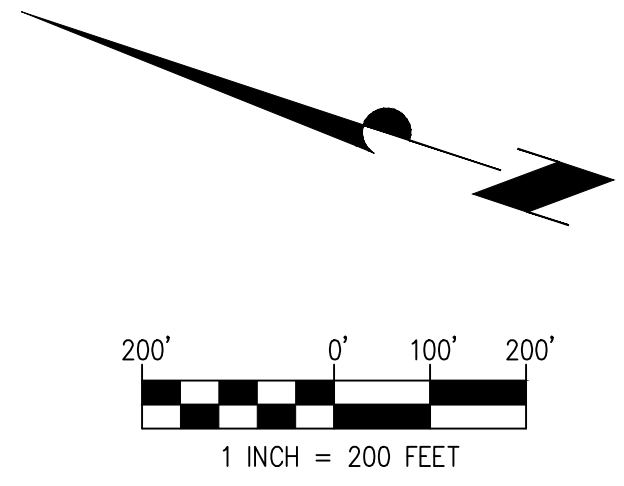
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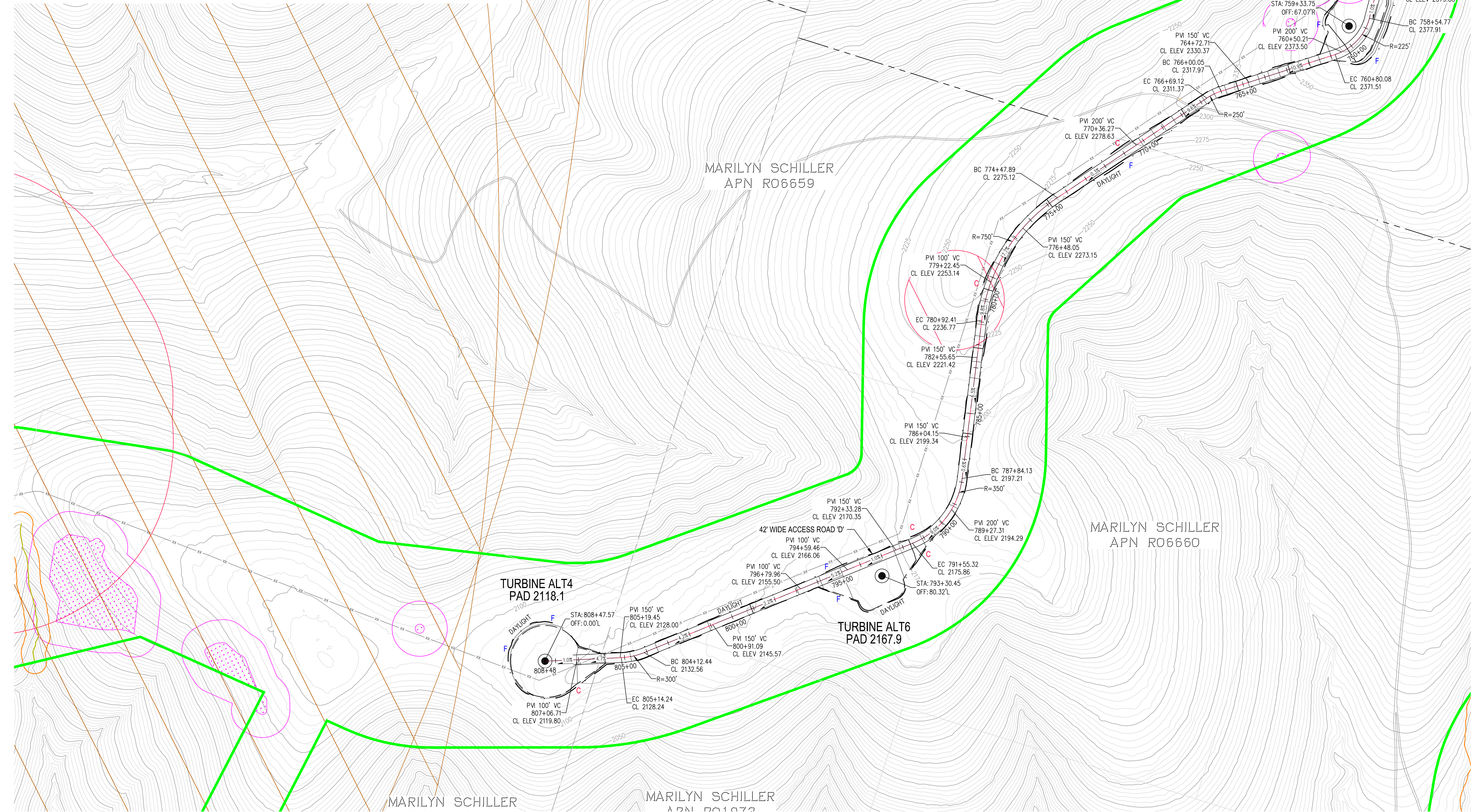
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G3.29

PAGE 33 OF 48



VICINITY MAP
NOT TO SCALE



NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
ROAD D 736+93 - END
GRADING PLANS

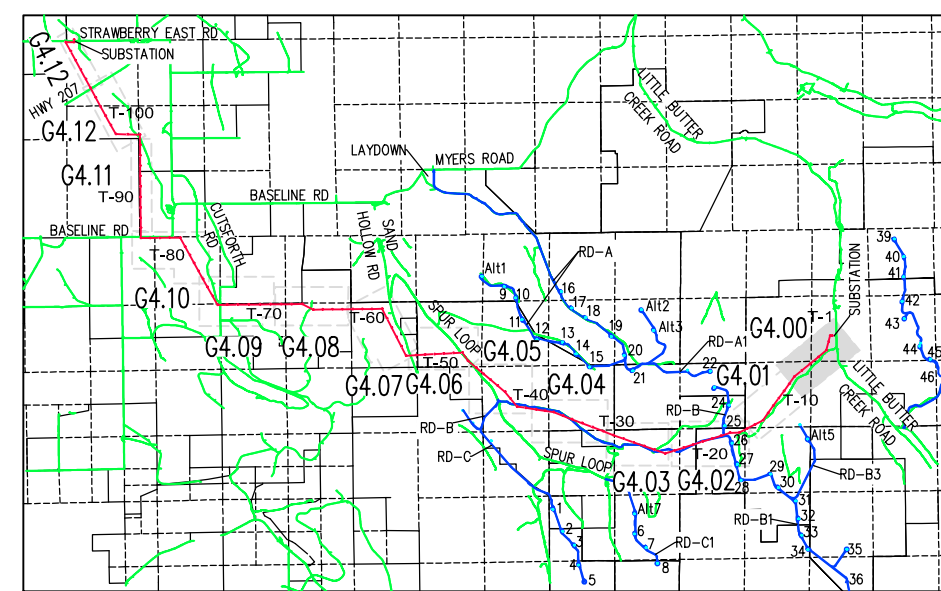
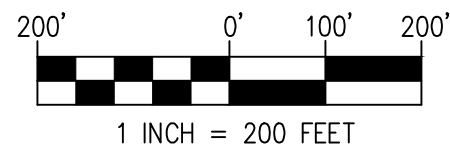
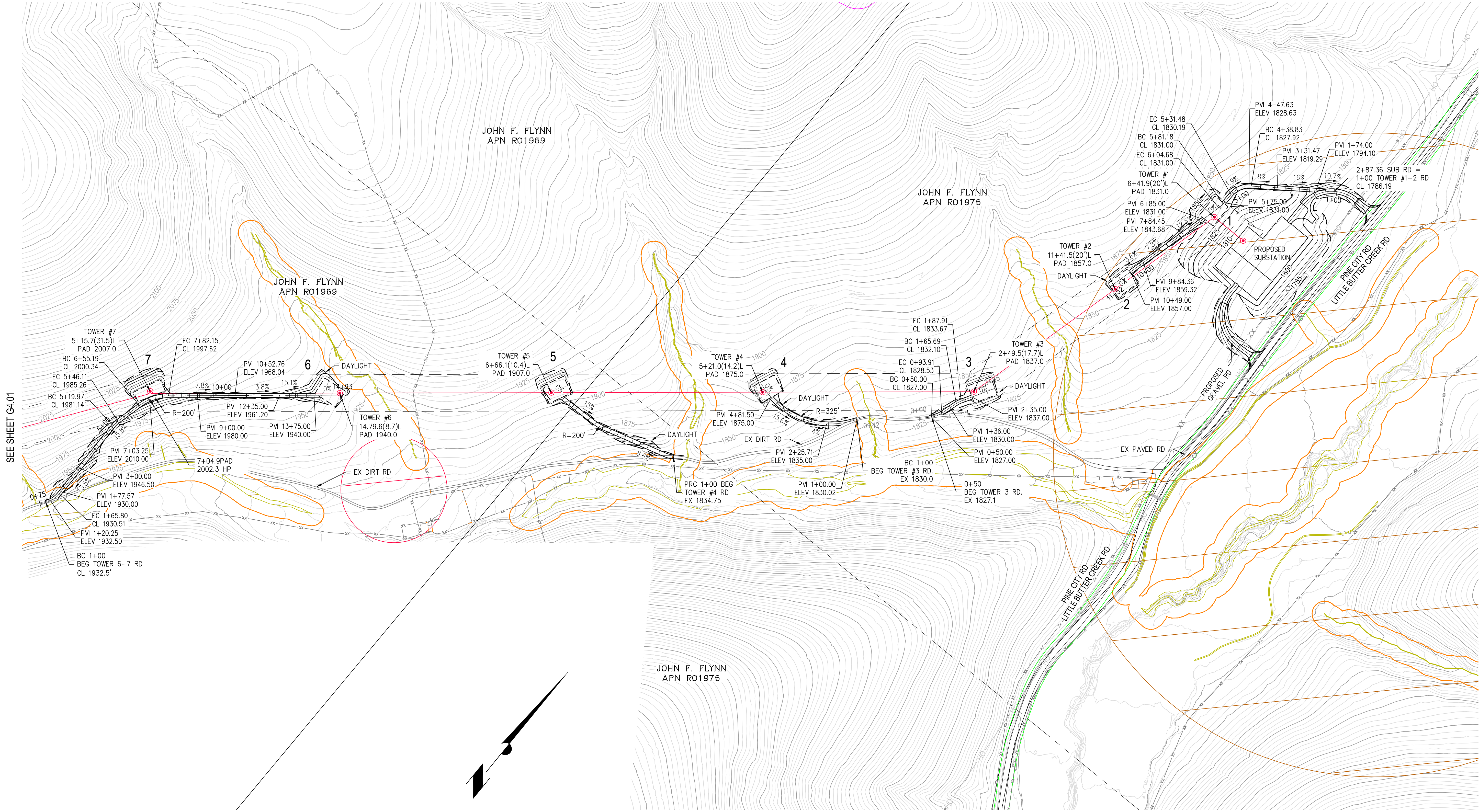
ENGINEERING
SURVEYING • PLANNING



1831 SAN MIGUEL DR., #1700
WALNUT CREEK, CA 94596

PHOTO

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SCALE:	
HORIZ.	1" = 200'
VERT.	N/A
DESIGNED BY:	AMD
REVIEWED BY:	SDG
G3.30	
PAGE	34 OF 48



SHEET INDEX MAP
N.T.S.

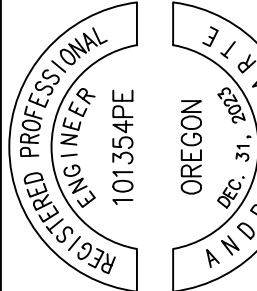
- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
 - T-LINE, TOWER & NUMBER
 - PROPOSED T-LINE 150' EASEMENT
 - TURBINE SYMBOL & NUMBER
 - SECTION NUMBER, TOWNSHIP & RANGE
 - EXISTING WIND TURBINE (WHEATRIDGE I & II)
 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



PHONE: (503) 688-8888
DESIGN: JRM
1071 SAN ANGELES DR., SUITE 100
WALNUT CREEK, CA 94598

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
T-LINE TOWERS 1-7
GRADING PLANS



NO. DATE DESCRIPTION
04-16-2023 ISSUE FOR BID DRAWINGS

AGENCY
dk

DATE: 05-17-23

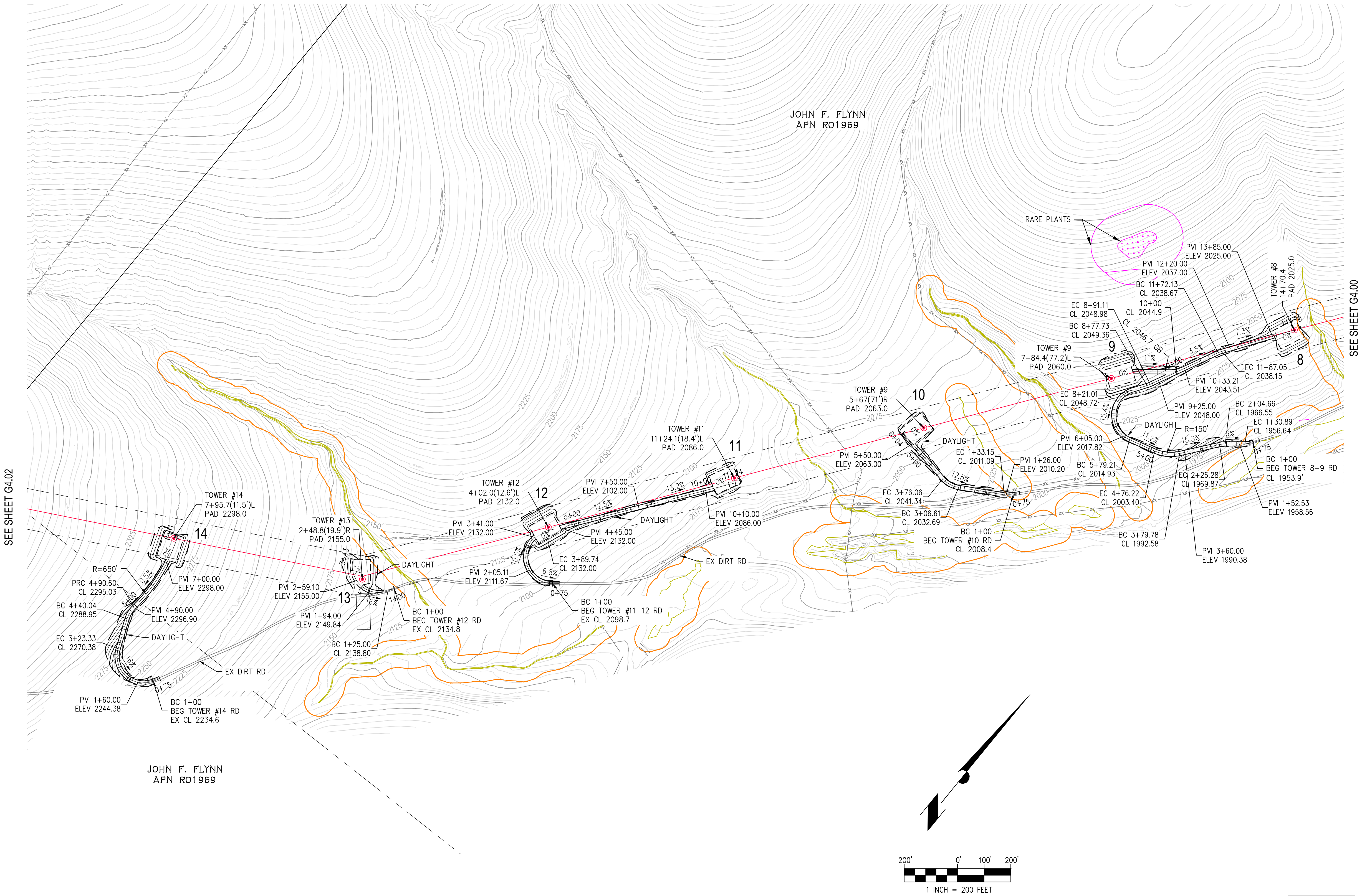
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HORZ. 1" = 200'
VERT. N/A

DESIGNED BY: AMD

REVIEWED BY: SDG

G4.00

PAGE 35 OF 48

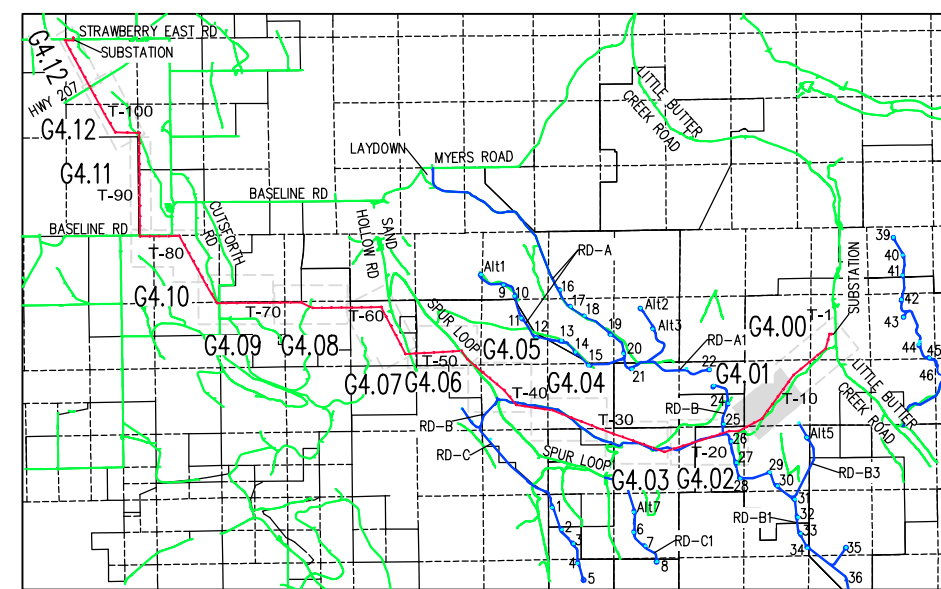


SEE SHEET G4.00

SEE SHEET G4.02

JOHN F. FLYNN
APN R01969

JOHN F. FLYNN
APN R01969

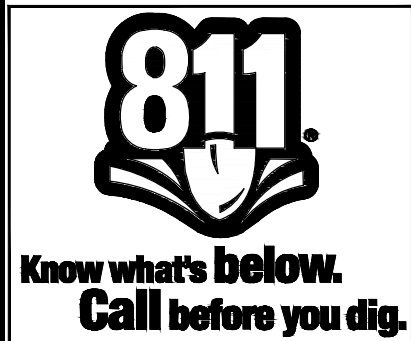


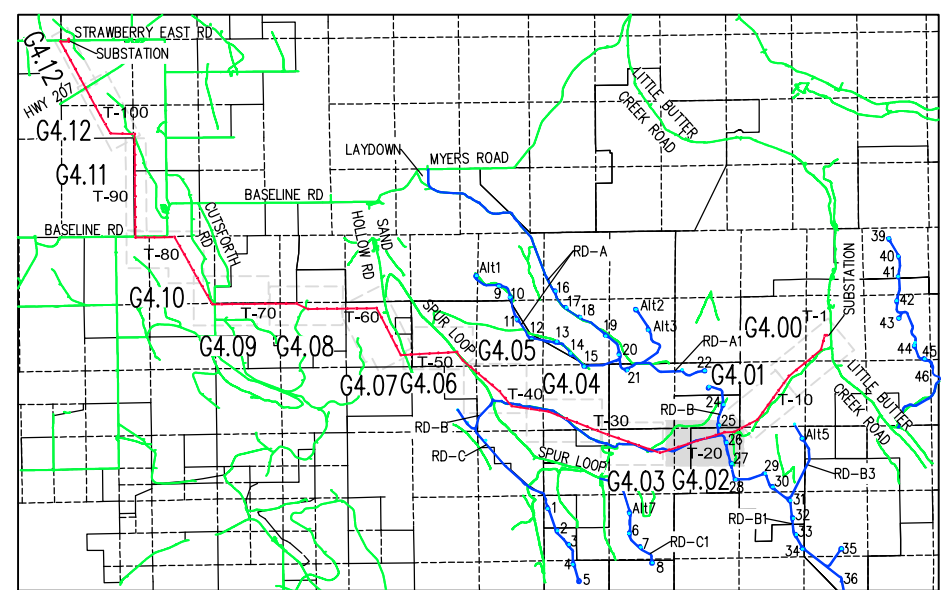
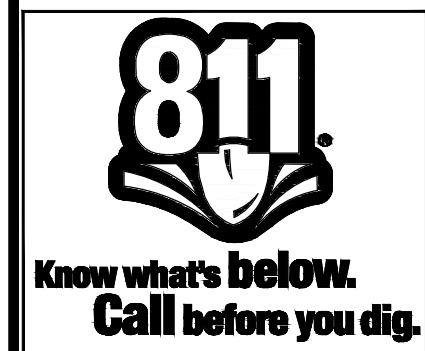
SHEET INDEX MAP
N.T.S.

- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
 - T-LINE, TOWER & NUMBER
 - PROPOSED T-LINE 150' EASEMENT
 - TURBINE SYMBOL & NUMBER
 - SECTION NUMBER, TOWNSHIP & RANGE
 - EXISTING WIND TURBINE (WHEATRIDGE I & II)
 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.

NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		T-LINE TOWERS 8-14		GRADING PLANS	
REGISTERED PROFESSIONAL ENGINEER		OREGON		AND FELLOW		NO.	
101354PE		04-16-2023		DATE		DESCRIPTION	
dk		AGENCY					
MORROW COUNTY		OREGON					
PHONE: (503) 688-8888		FAX: (503) 688-8889		10135 SAN ANGELO DR., SUITE 100		WALNUT CREEK, CA 94598	
5/18/2023		2177.dwg		T-LINE - 2177.dwg		OR (DWG) GRADING PLAN (G4.00-T-LINE - 2177.dwg)	
DATE: 05-17-23		SCALE: 1" = 200'		DESIGNED BY: AMD		REVIEWED BY: SDG	
G4.01		PAGE 36 OF 48					



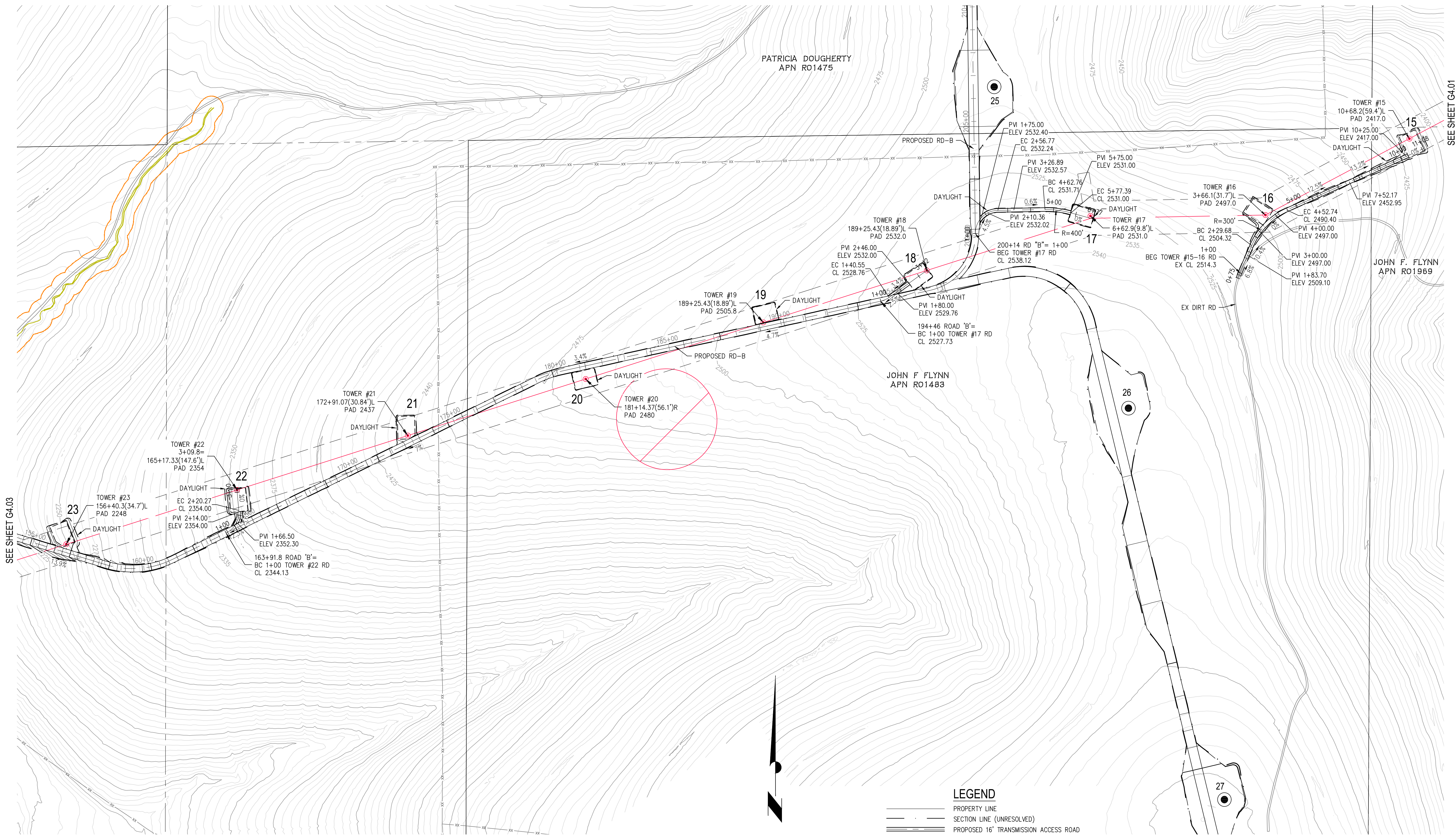


SHEET INDEX MAP
N.T.S.

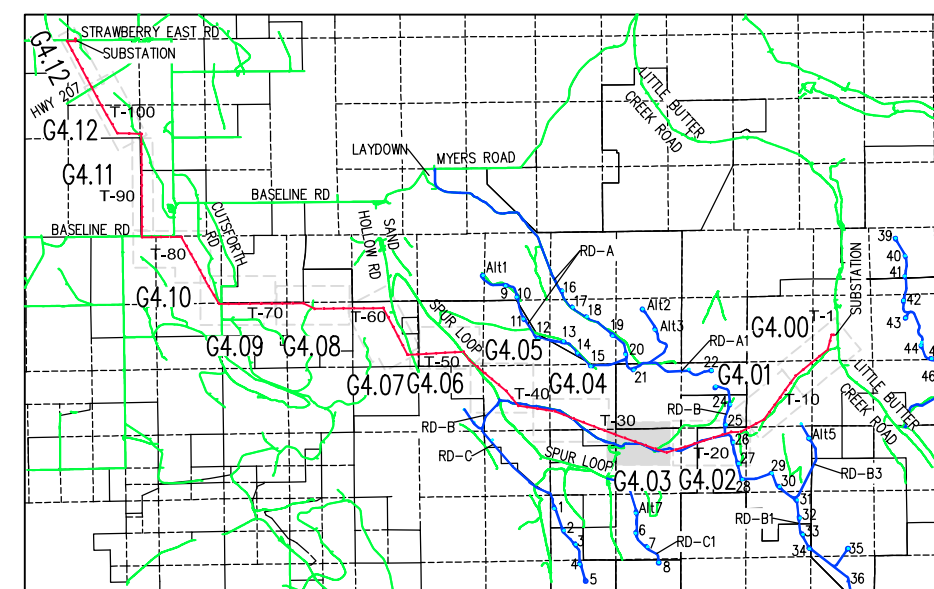
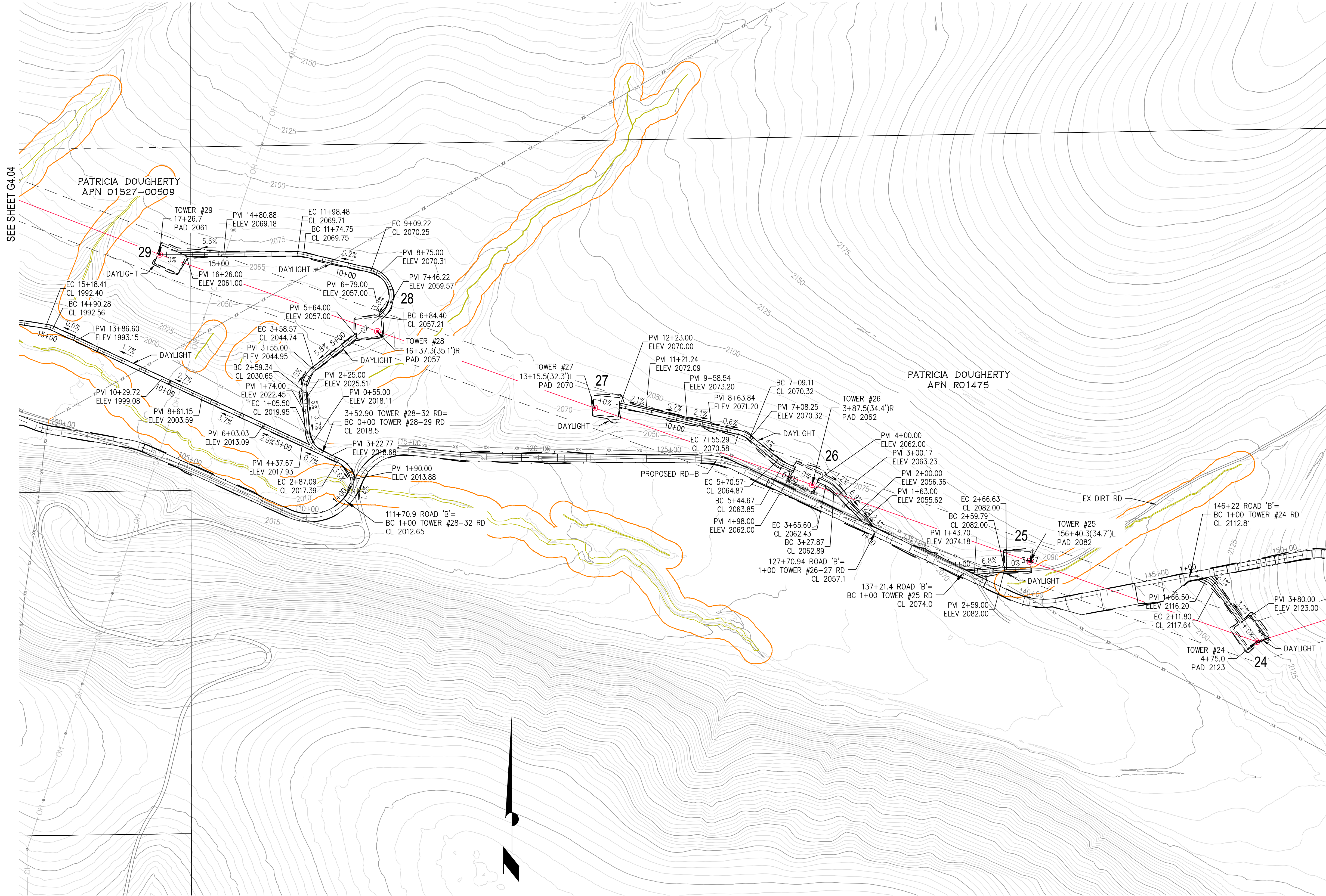


- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
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NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		T-LINE TOWERS 15-23		GRADING PLANS	
ENGINEERING		SURVEYING • PLANNING		PHONE: 909.938.8888		FAX: 909.938.8888	
101 SAN VICENTE RD., SUITE 100		WALNUT CREEK, CA 94598		5/18/2023		2177.dwg	
DATE: 05-17-23		SCALE: 1" = 200'		DESIGNED BY: AMD		REVIEWED BY: SDG	
G4.02		PAGE 37 OF 48		AGENCY: dk		DESCRIPTION: 04-16-2023	



SHEET INDEX MAP
N.T.S.

- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
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 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

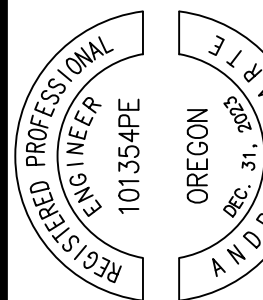
NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



PHONE: 503.688.8888
1801 SAN ANGELO DR. #100
WALNUT CREEK, CA 94598

MORROW COUNTY
OREGON

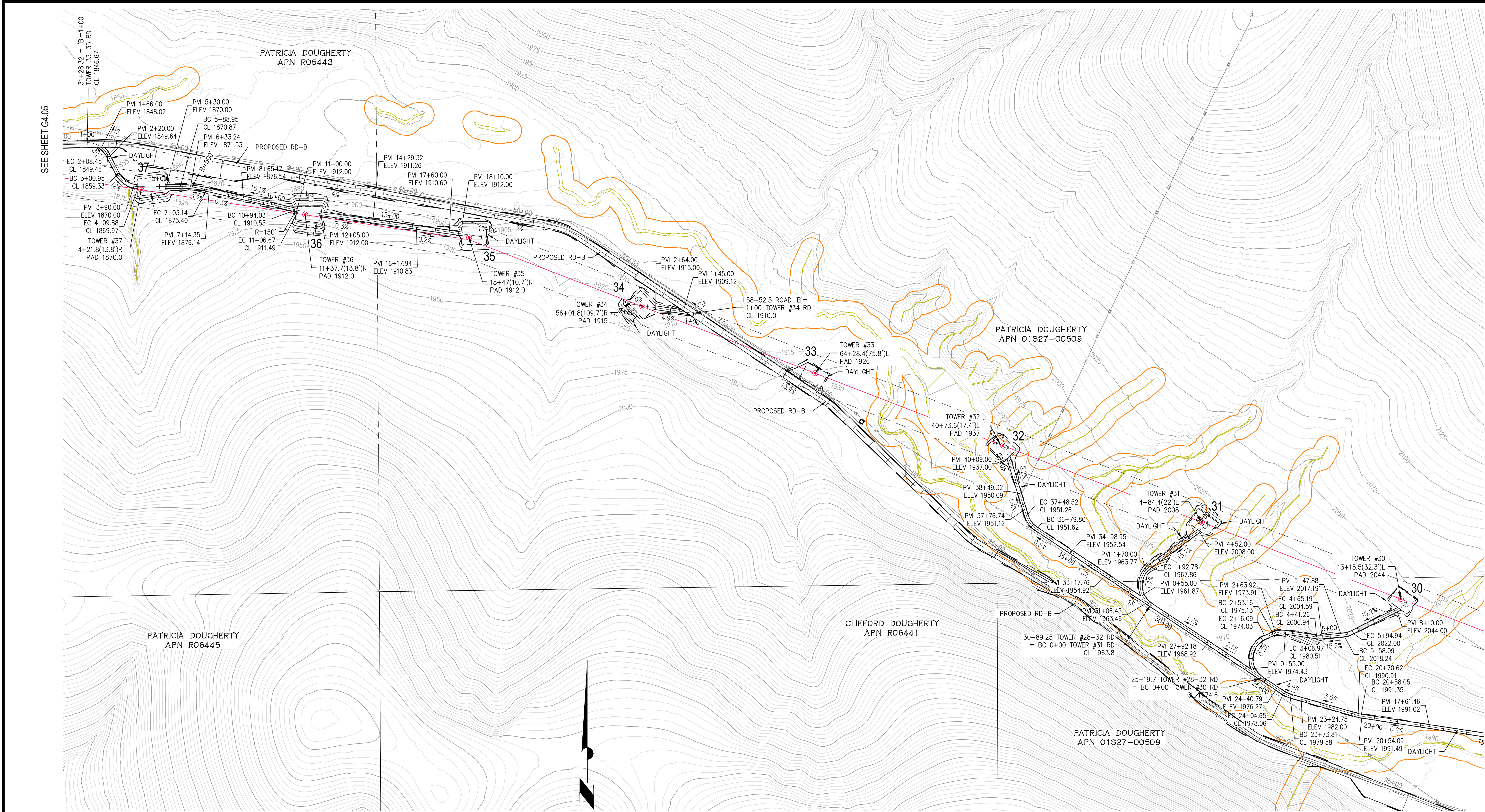
NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
T-LINE TOWERS 24-29
GRADING PLANS



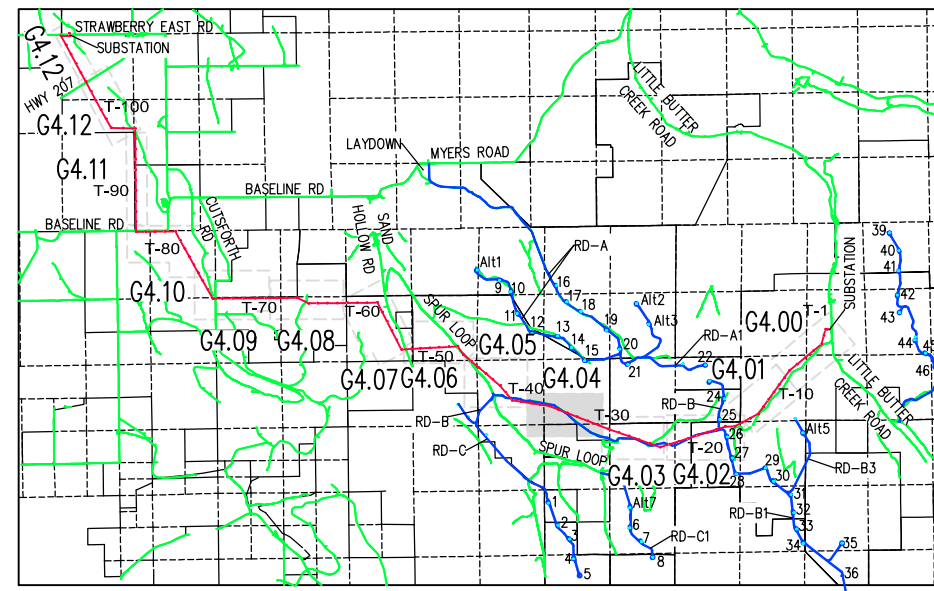
NO. DATE DESCRIPTION
04-16-2023 ISSUE FOR BID DRAWINGS

AGENCY
dk

DATE: 05-17-23
SCALE: 1" = 200'
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VERT. N/A
DESIGNED BY: AMD
REVIEWED BY: SDG
G4.03
PAGE 38 OF 48



SEE SHEET G4.03



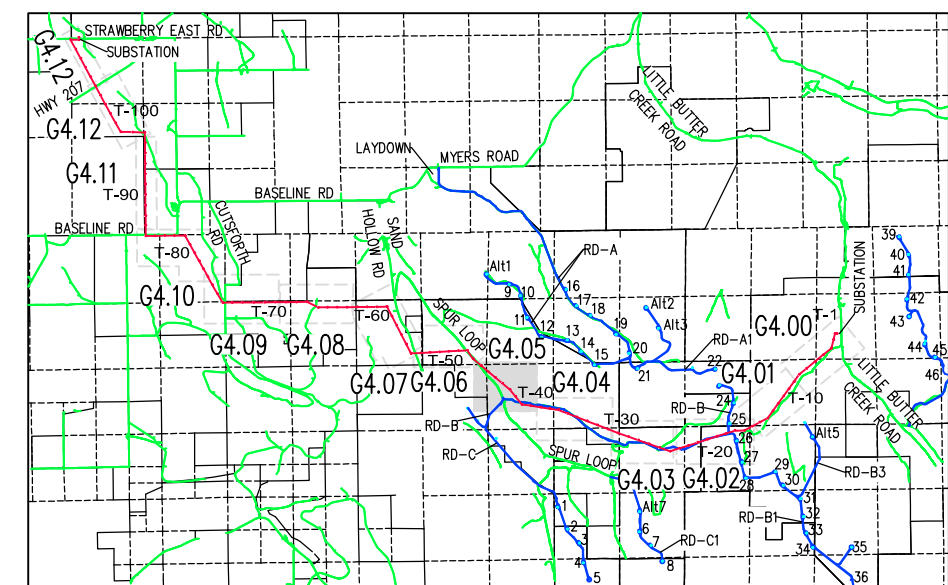
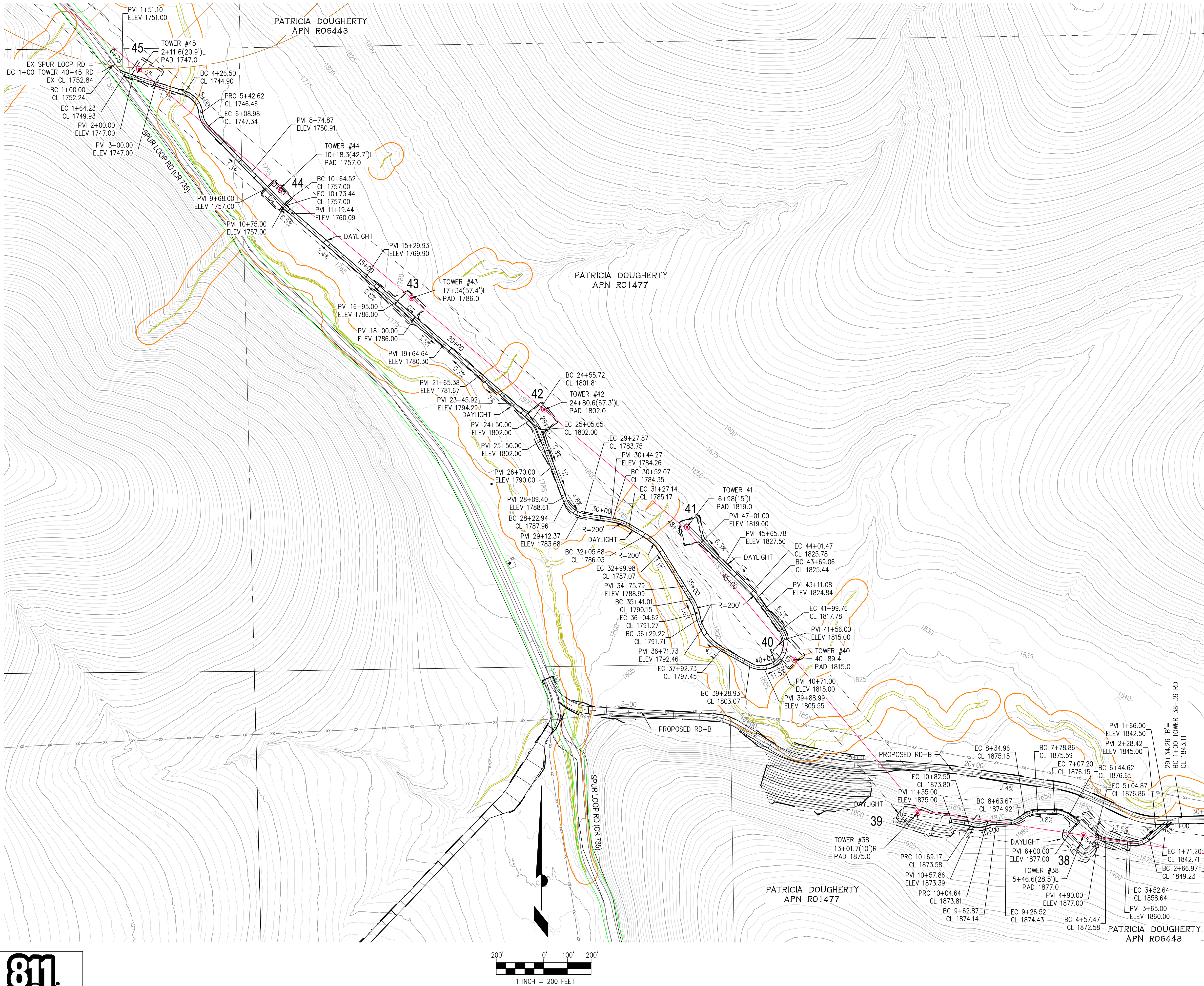
SHEET INDEX MAP
N.T.S.

- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
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NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.

NEXTERA ENERGY RESOURCES		OREGON		AGENCY	
WHEATRIDGE EAST		101354PE		dk	
T-LINE TOWERS 30-37		04-16-2023		DATE	
GRADING PLANS		NO.		DESCRIPTION	
MORROW COUNTY		5/16/2023		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR\DWG\GRADING PLAN\G4.00-T-LINE - 2171.dwg	
ENGINEERING		PHONE: 503.688.8888		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR\DWG\GRADING PLAN\G4.00-T-LINE - 2171.dwg	
SURVEYING • PLANNING		1931 SAN ANGELES DR., SUITE 100		DESIGNED BY: AMD	
		WALNUT CREEK, CA 94598		REVIEWED BY: SDG	
DATE: 05-17-23		SCALE: 1" = 200'		G4.04	
		VERT. N/A		PAGE 39 OF 48	

SEE SHEET G4.06



SHEET INDEX MAP
N.T.S.

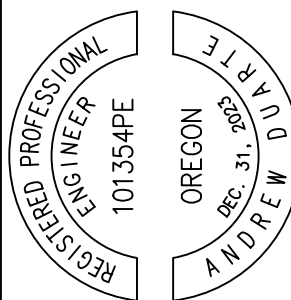
- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
 - T-LINE, TOWER & NUMBER
 - PROPOSED T-LINE 150' EASEMENT
 - TURBINE SYMBOL & NUMBER
 - SECTION NUMBER, TOWNSHIP & RANGE
 - EXISTING WIND TURBINE (WHEATRIDGE I & II)
 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
T-LINE TOWERS 38-45
GRADING PLANS



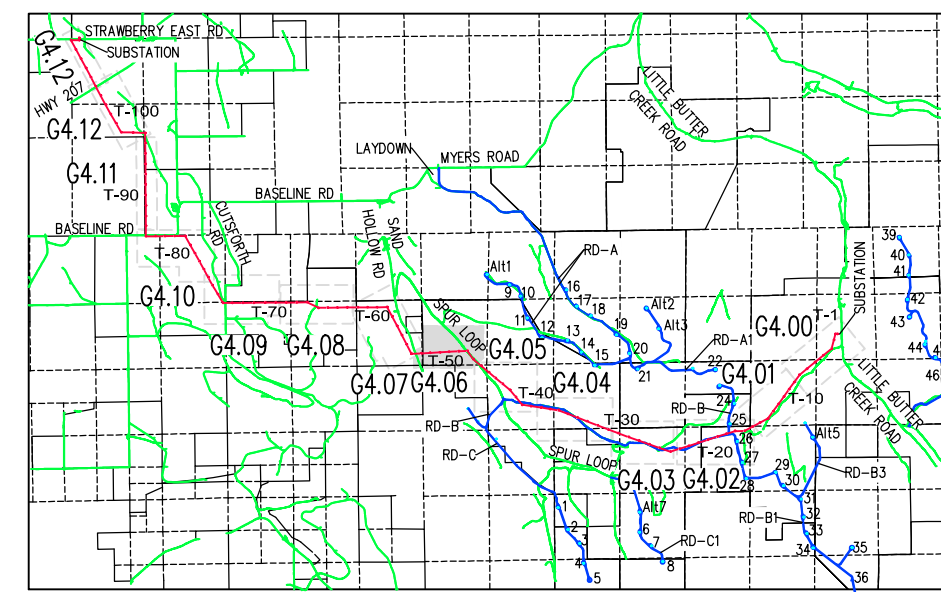
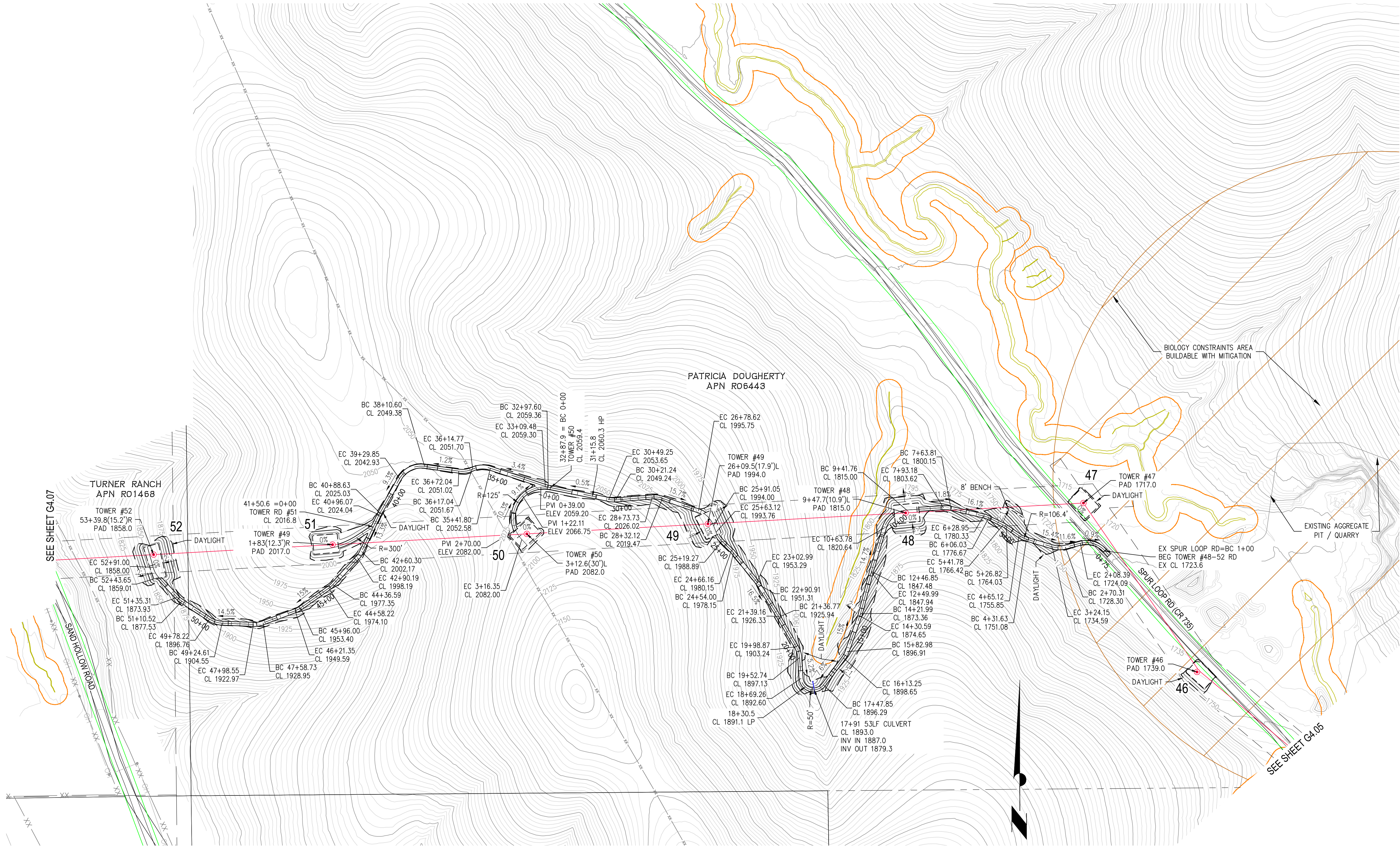
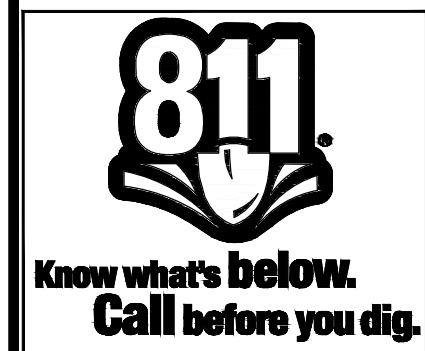
DATE: 05-17-23
SCALE: 1" = 200'
DESIGNED BY: AMD
REVIEWED BY: SDG
G4.05
PAGE 40 OF 48



ISSUE FOR BID DRAWINGS
DATE: 04-16-2023
NO. 101354PE
DESCRIPTION: GRADING PLANS

AGENCY: NEXTERA ENERGY RESOURCES





SHEET INDEX MAP
N.T.S.

LEGEND

- PROPERTY LINE
- SECTION LINE (UNRESOLVED)
- PROPOSED 16' TRANSMISSION ACCESS ROAD
- GRADING DAYLIGHT LINE
- PROPOSED MAJOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING ROAD
- EXISTING FENCE, GATE (ORANGE)
- EXISTING OVERHEAD LINE
- T-LINE, TOWER & NUMBER
- PROPOSED T-LINE 150' EASEMENT
- TURBINE SYMBOL & NUMBER
- SECTION NUMBER, TOWNSHIP & RANGE
- EXISTING WIND TURBINE (WHEATRIDGE I & II)
- TRANSMISSION TOWER PAD (100'x75')
- EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

NOTE:

ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



PHONE: 952.688.8888
DESIGN: 2024
101 SAN ANGELO DR. #100
WALNUT CREEK, CA 94598

DATE: 05-17-23

SCALE:
HORZ. 1" = 200'
VERT. N/A

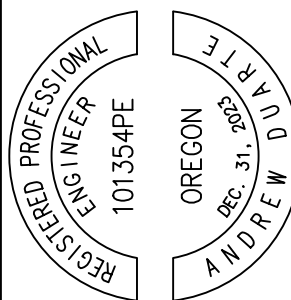
DESIGNED BY: AMD

REVIEWED BY: SDG

G4.06
PAGE 41 OF 48

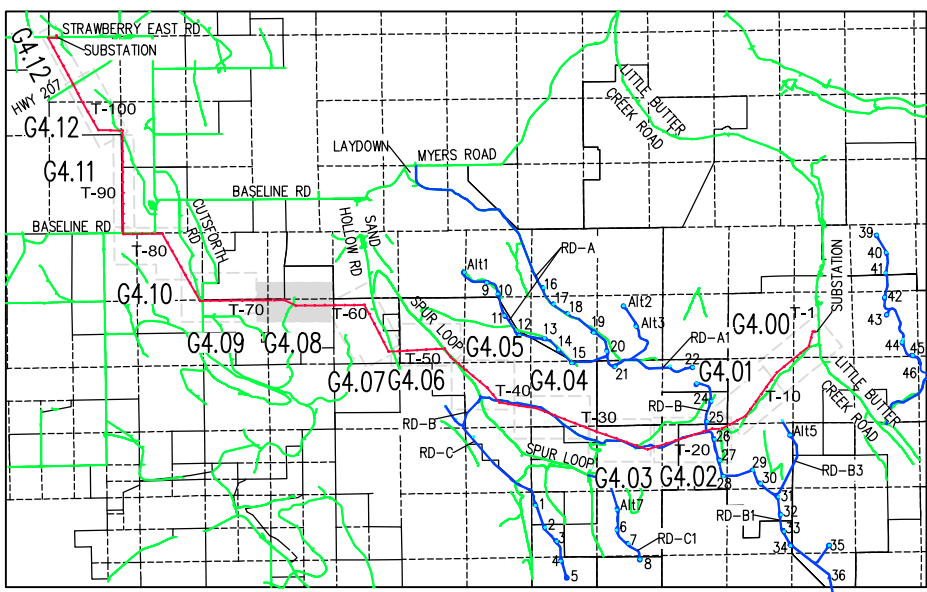
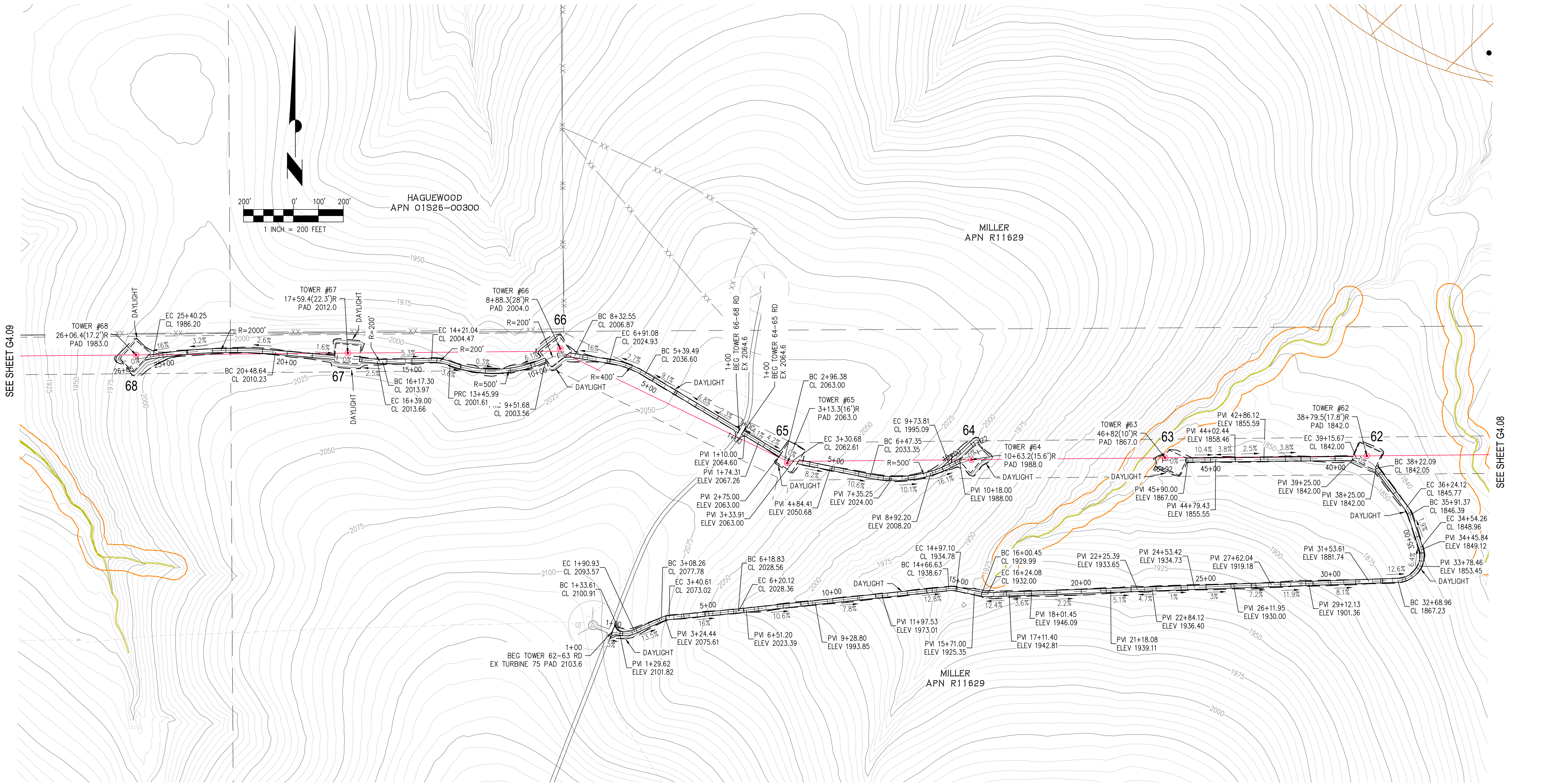
NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
T-LINE TOWERS 46-52
GRADING PLANS

MORROW COUNTY
OREGON



NO.	DATE	DESCRIPTION
04-16-2023	ISSUE FOR BID DRAWINGS	

AGENCY
dk



SHEET INDEX MAP
N.T.S.

- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
 - T-LINE, TOWER & NUMBER
 - PROPOSED T-LINE 150' EASEMENT
 - TURBINE SYMBOL & NUMBER
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 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.

101354PE

REGISTERED PROFESSIONAL ENGINEER

OREGON

AND FELLOW

04-16-2023

DATE

NO.

DESCRIPTION

ISSUE FOR BID DRAWINGS

AGENCY

OREGON

MORROW COUNTY

5/18/2023

2177.dwg

DESIGN 0201

PHONE: 503.688.8888

1801 SAN ANGELES DR. #100

WALNUT CREEK, CA 94598

05-17-23

DATE

1" = 200'

N/A

SCALE: HORIZ. VERT.

AMD

DESIGNED BY:

SDG

REVIEWED BY:

G4.08

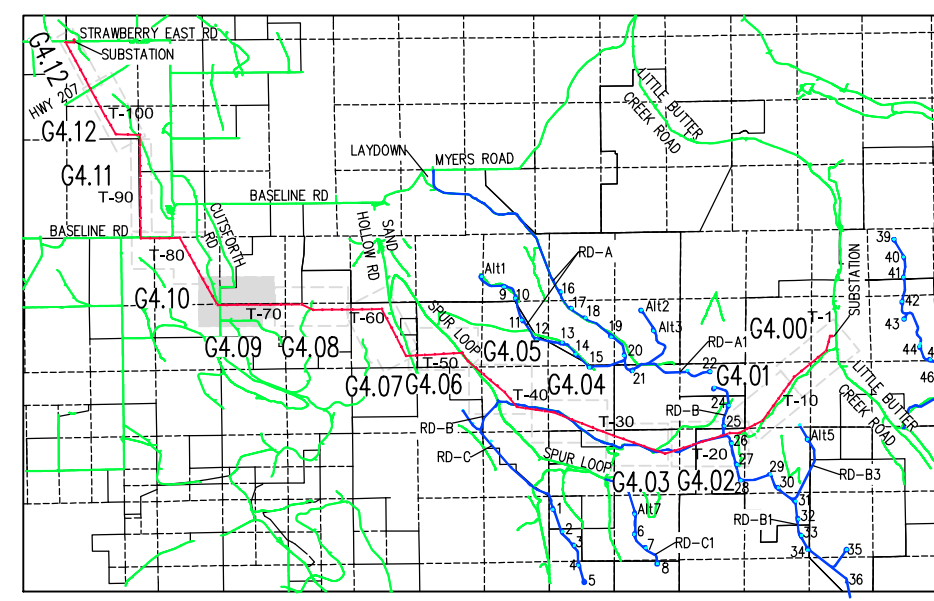
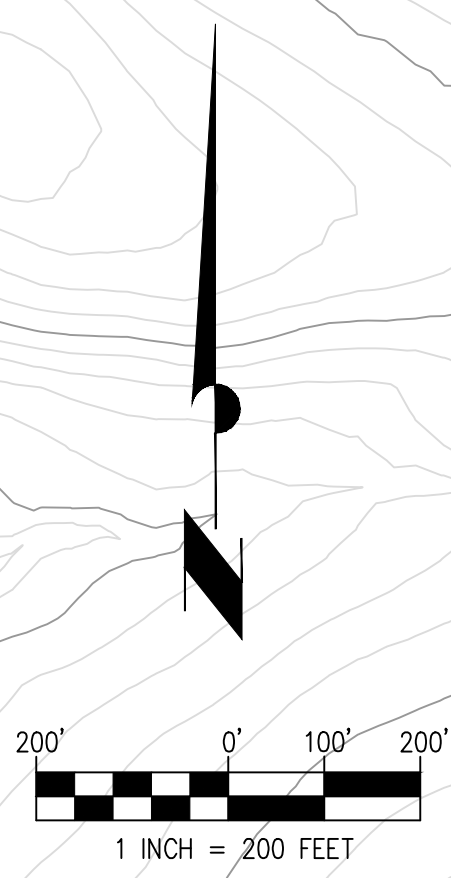
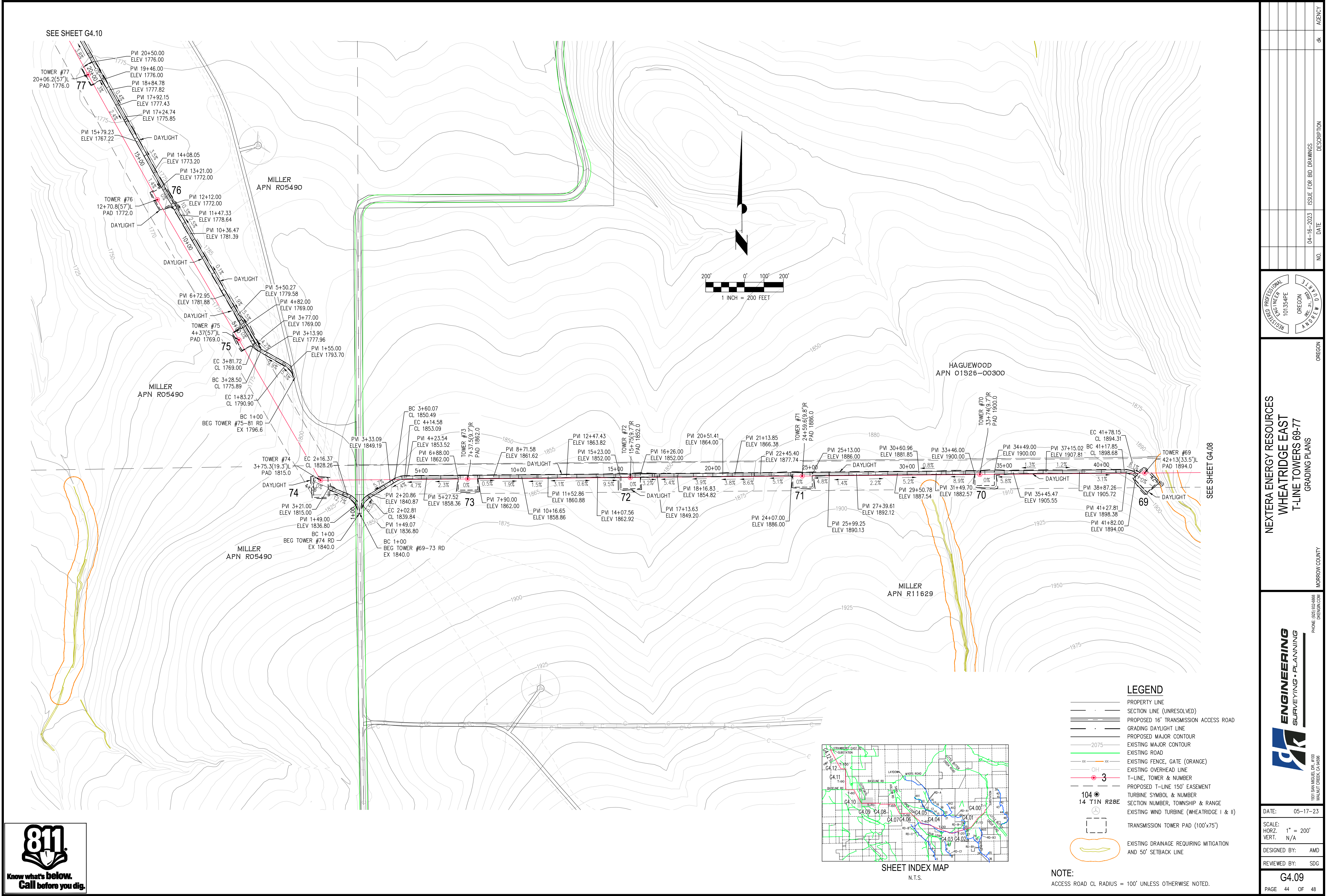
PAGE 43 OF 48

WHEATRIDGE EAST

T-LINE TOWERS 62-68

GRADING PLANS

NEXTERA ENERGY RESOURCES



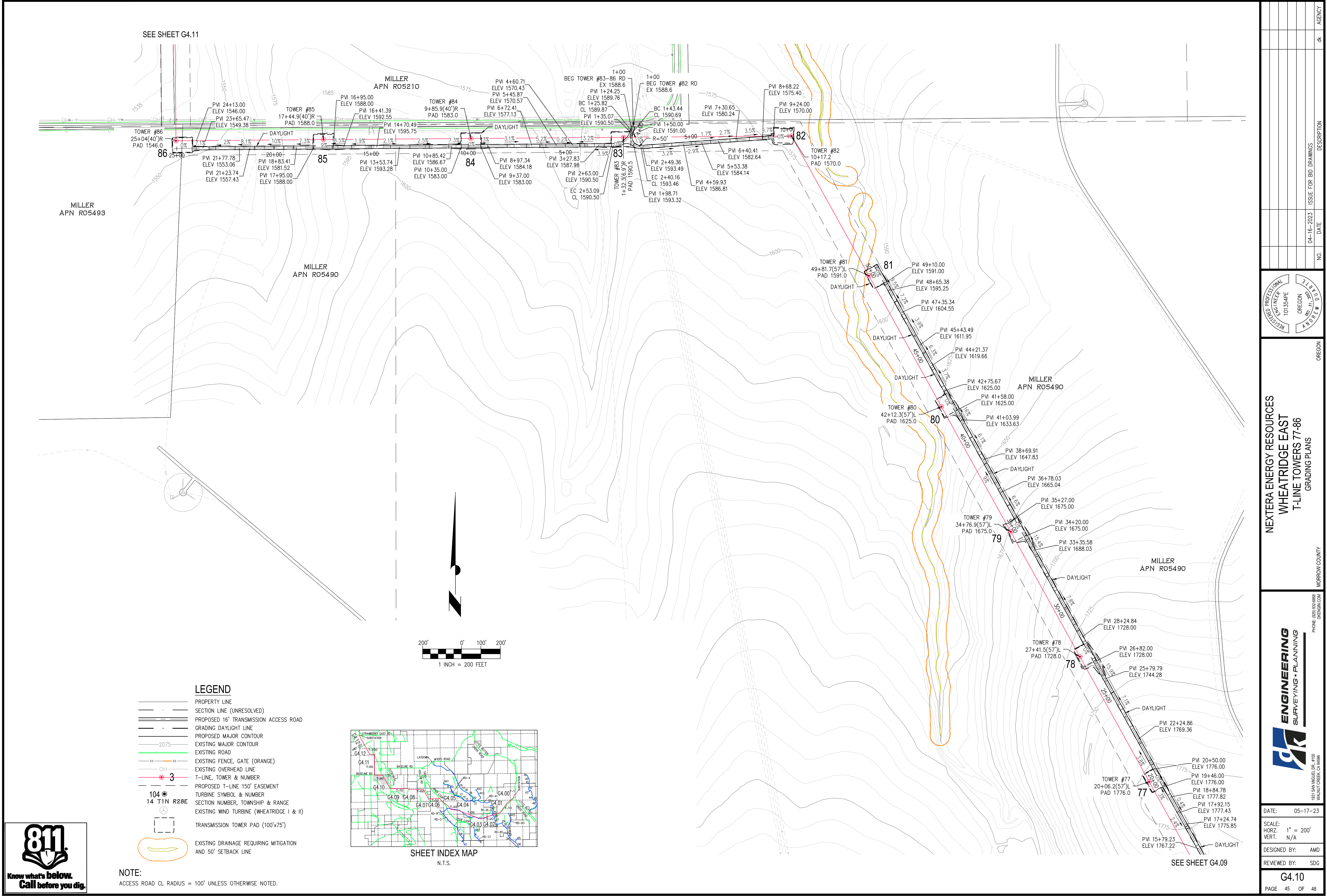
SHEET INDEX MAP
N.T.S.

- LEGEND**
- PROPERTY LINE
 - SECTION LINE (UNRESOLVED)
 - PROPOSED 16' TRANSMISSION ACCESS ROAD
 - GRADING DAYLIGHT LINE
 - PROPOSED MAJOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING ROAD
 - EXISTING FENCE, GATE (ORANGE)
 - EXISTING OVERHEAD LINE
 - T-LINE, TOWER & NUMBER
 - PROPOSED T-LINE 150' EASEMENT
 - TURBINE SYMBOL & NUMBER
 - SECTION NUMBER, TOWNSHIP & RANGE
 - EXISTING WIND TURBINE (WHEATRIDGE I & II)
 - TRANSMISSION TOWER PAD (100'x75')
 - EXISTING DRAINAGE REQUIRING MITIGATION AND 50' SETBACK LINE

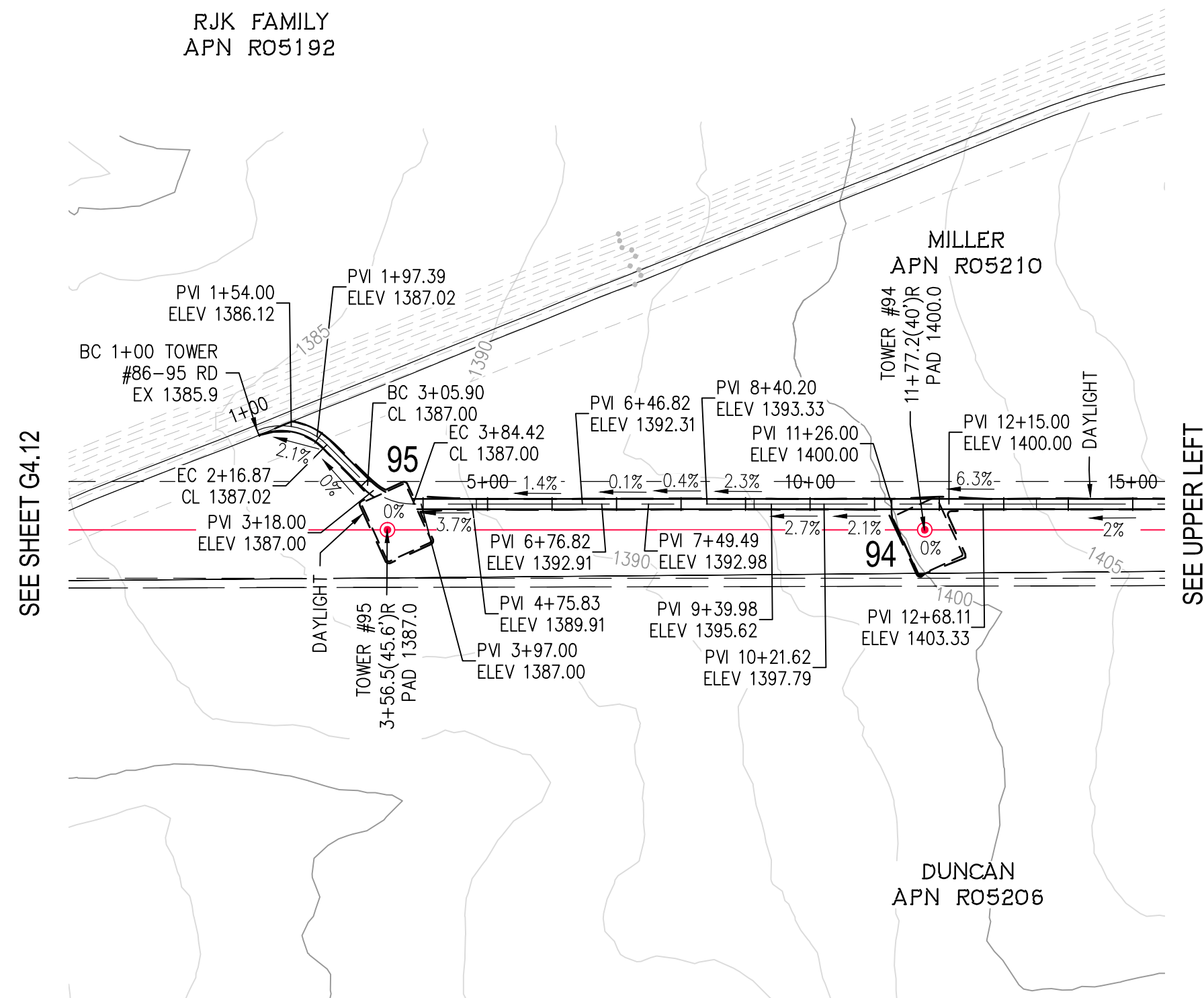
NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		T-LINE TOWERS 69-77		GRADING PLANS	
REGISTERED PROFESSIONAL ENGINEER		OREGON		101354PE		ANDREW D. WATKINS	
DATE		04-16-2023		ISSUE FOR BID DRAWINGS		DESCRIPTION	
NO.							
AGENCY							
MORROW COUNTY							
PHONE: 503.688.8888							
1801 SAN ANGELO DR. #100							
WALNUT CREEK, CA 94598							
DESIGN: GDM							
5/18/2023							
DATE:		05-17-23					
SCALE:		HORIZ. 1" = 200'					
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DESIGNED BY:		AMD					
REVIEWED BY:		SDG					
G4.09							
PAGE		44		OF		48	

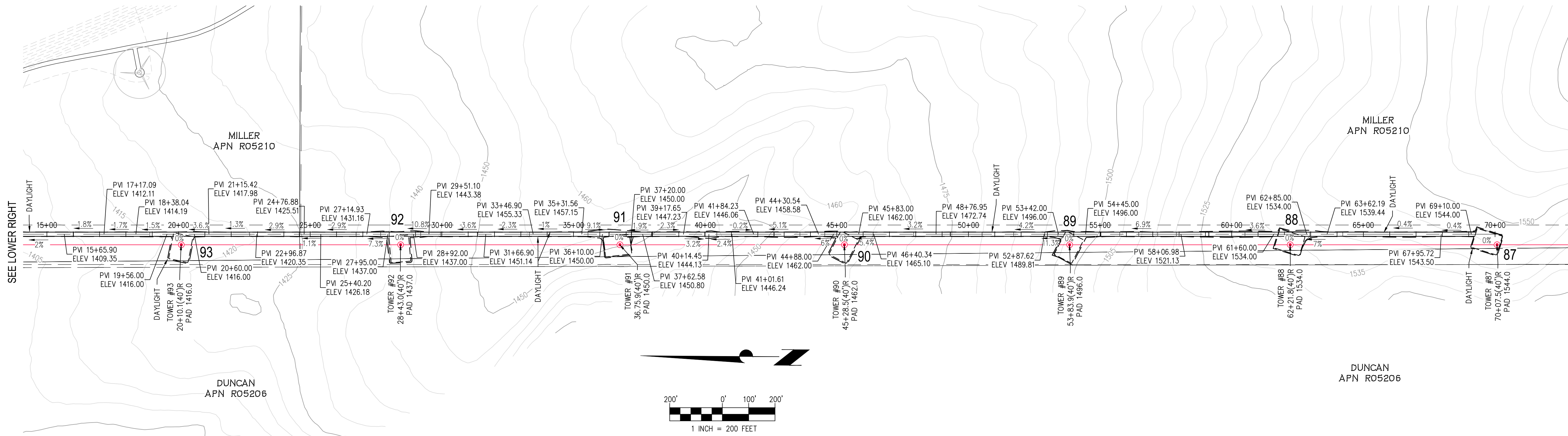


NEXTERA ENERGY RESOURCES		WHEATRIDGE EAST		T-LINE TOWERS 77-86		GRADING PLANS	
REGISTERED PROFESSIONAL ENGINEER		OREGON		AND NEW		DATE	
101354PE		04-16-2023		ISSUE FOR BID DRAWINGS		DESCRIPTION	
NO.		DATE		NO.		AGENCY	
5/18/2023		2171.dwg		2171.dwg		2171.dwg	
ENGINEERING		SURVEYING • PLANNING		DESIGNED BY: AMD		REVIEWED BY: SDC	
G4.10		PAGE 45 OF 48		DATE: 05-17-23		SCALE: 1" = 200'	
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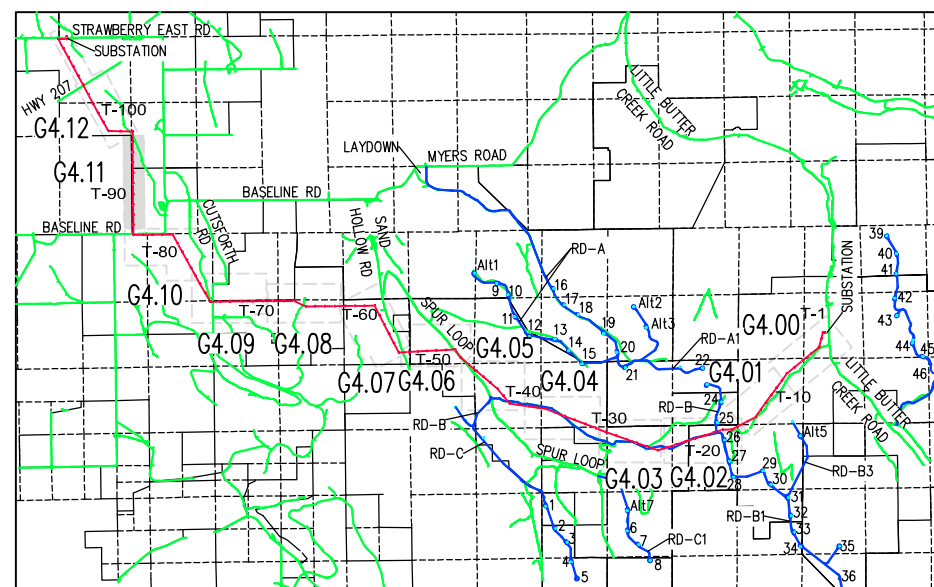
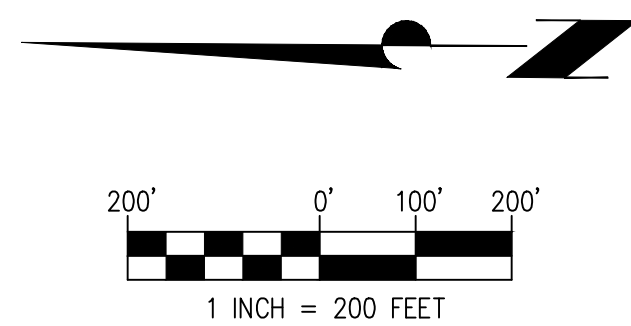


SEE SHEET G4.12

SEE UPPER LEFT



SEE SHEET G4.10



SHEET INDEX MAP
N.T.S.

LEGEND	
	PROPERTY LINE
	SECTION LINE (UNRESOLVED)
	PROPOSED 16' TRANSMISSION ACCESS ROAD
	GRADING DAYLIGHT LINE
	PROPOSED MAJOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING ROAD
	EXISTING FENCE, GATE (ORANGE)
	EXISTING OVERHEAD LINE
	T-LINE, TOWER & NUMBER
	PROPOSED T-LINE 150' EASEMENT
	TURBINE SYMBOL & NUMBER
	SECTION NUMBER, TOWNSHIP & RANGE
	EXISTING WIND TURBINE (WHEATRIDGE I & II)
	TRANSMISSION TOWER PAD (100'x75')
	EXISTING DRAINAGE REQUIRING MITIGATION
	AND 50' SETBACK LINE

NOTE:
ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.

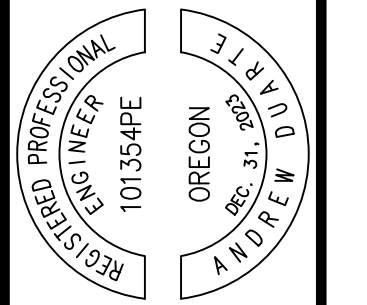


1071 VAN WHEAT RD. W40
WALNUT CREEK, CA 94606
PHONE: 925.933.8888
DESIGN@811.COM

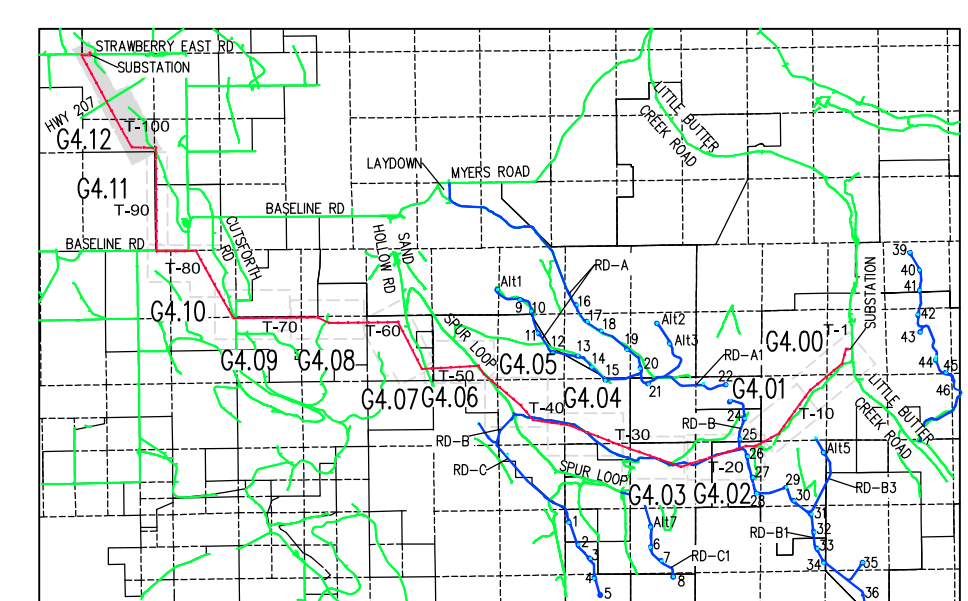
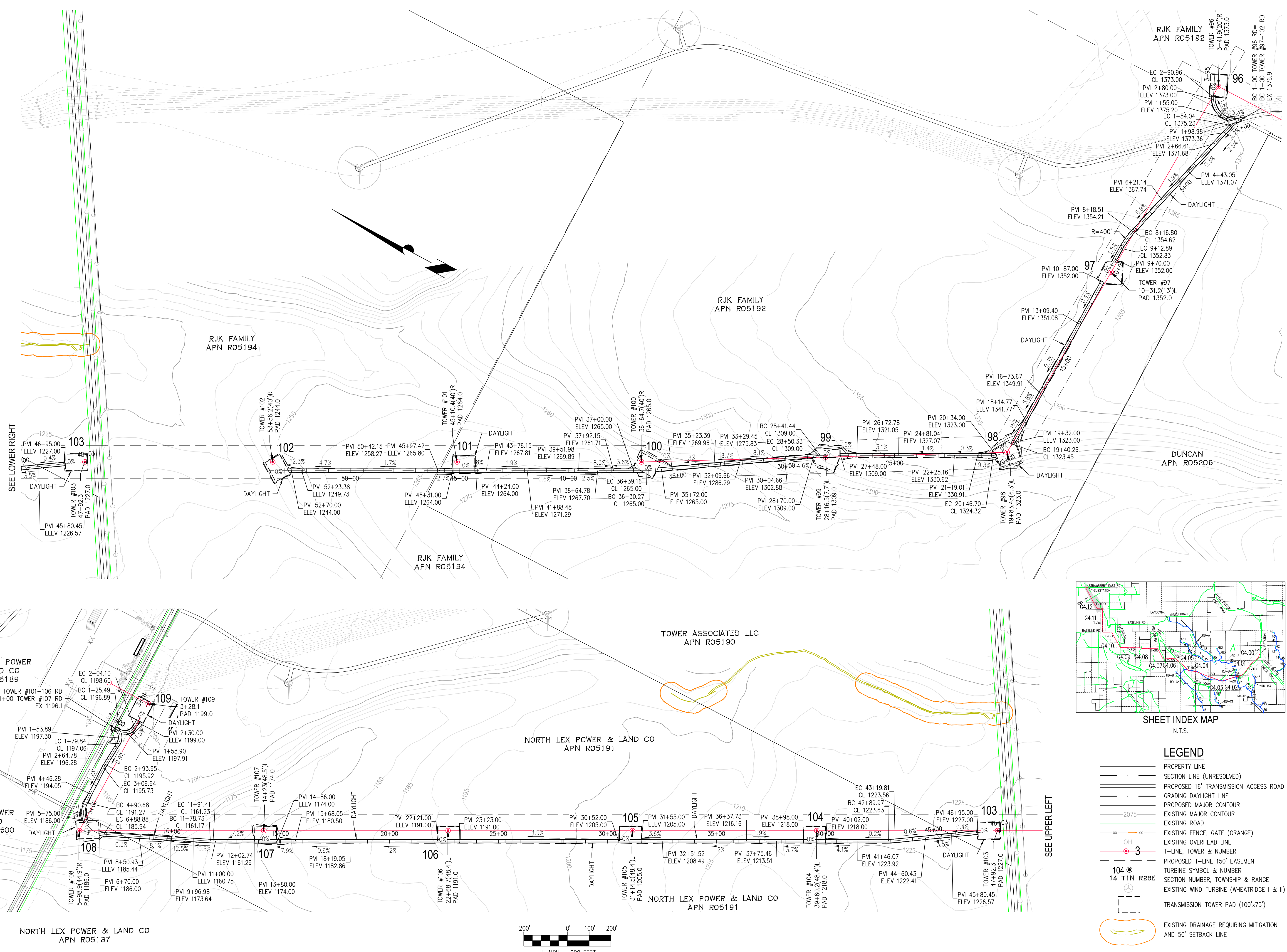
DATE: 05-17-23
SCALE: 1" = 200'
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VERT. N/A
DESIGNED BY: AMD
REVIEWED BY: SDC
G4.11
PAGE 46 OF 48

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
T-LINE TOWERS 87-95
GRADING PLANS

OREGON
MORROW COUNTY



NO. DATE DESCRIPTION AGENCY
04-16-2023 ISSUE FOR BID DRAWINGS



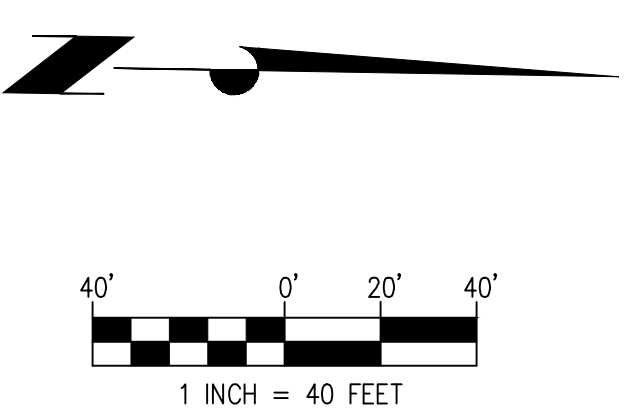
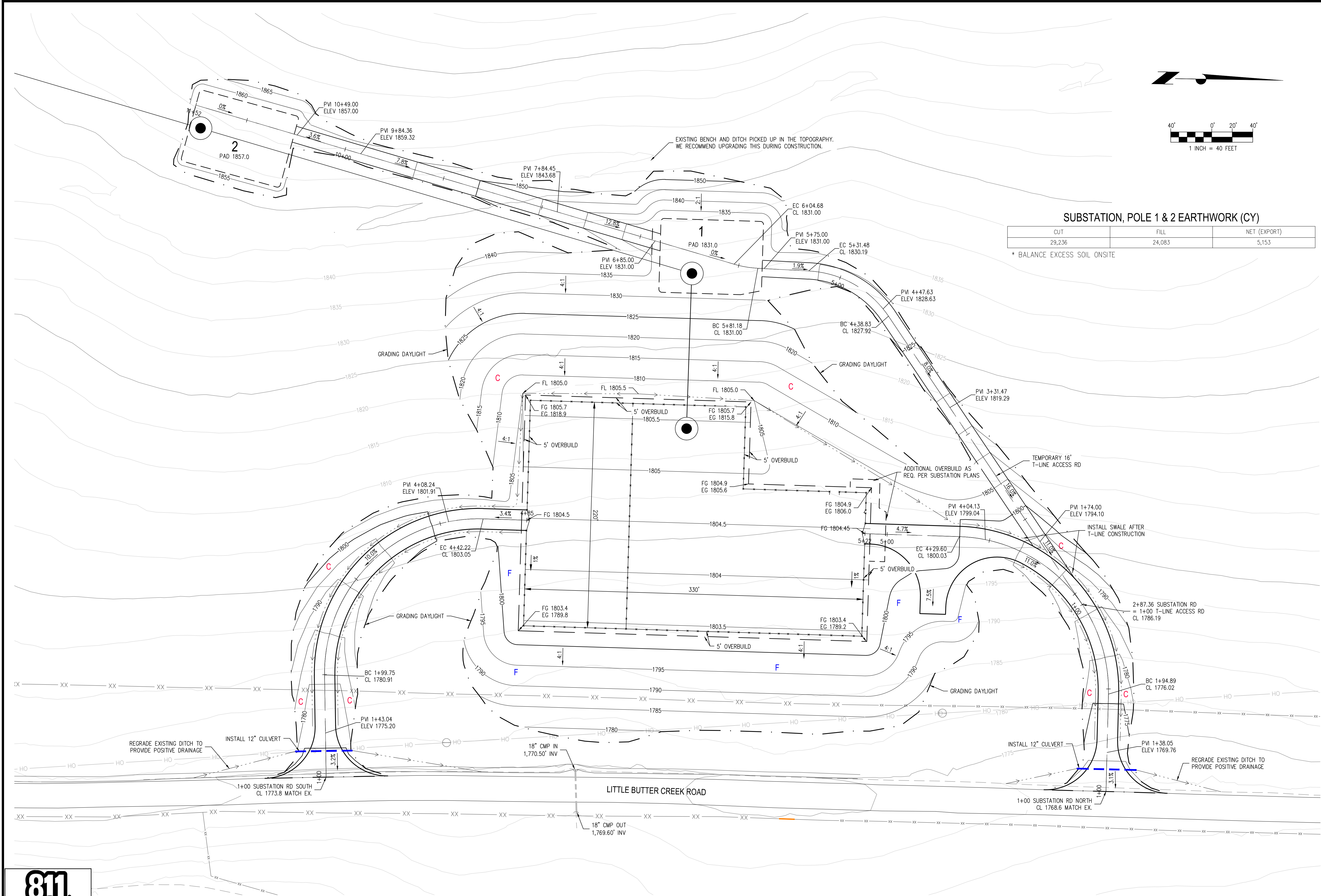
LEGEND

- PROPERTY LINE
- SECTION LINE (UNRESOLVED)
- PROPOSED 16' TRANSMISSION ACCESS ROAD
- GRADING DAYLIGHT LINE
- PROPOSED MAJOR CONTOUR
- EXISTING ROAD
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- T-LINE, TOWER & NUMBER
- PROPOSED T-LINE 150' EASEMENT
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ACCESS ROAD CL RADIUS = 100' UNLESS OTHERWISE NOTED.



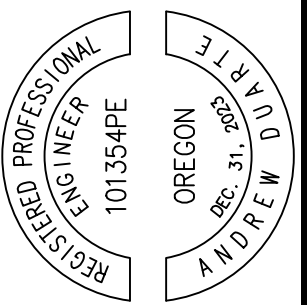
NEXTERA ENERGY RESOURCES WHEATRIDGE EAST T-LINE TOWERS 96-109 GRADING PLANS		PROFESSIONAL ENGINEER 101354PE OREGON ANDREW D. WOOD	NO.	DATE	DESCRIPTION	AGENCY
		OREGON		04-16-2023	ISSUE FOR BID DRAWINGS	dk
ENGINEERING SURVEYING • PLANNING		MORROW COUNTY				
DATE: 05-17-23		F:\Projects\2021\21-1071 Wheatridge East - Umatilla, OR\DWG\GRADING PLAN\G4.00-T-LINE - 2171.dwg 5/16/2023				
SCALE: HORZ. 1" = 200' VERT. N/A		PHONE: (509) 868-0888 DESIGN: JMM				
DESIGNED BY: AMD		101 SAN JUAN BLVD, SUITE 100 WALNUT CREEK, CA 94596				
REVIEWED BY: SDG						
G4.12						
PAGE 47 OF 48						



SUBSTATION, POLE 1 & 2 EARTHWORK (CY)		
CUT	FILL	NET (EXPORT)
29,236	24,083	5,153

* BALANCE EXCESS SOIL ONSITE

NO.	DATE	DESCRIPTION	AGENCY
04-16-2023		ISSUE FOR BID DRAWINGS	dk



OREGON
MORROW COUNTY

NEXTERA ENERGY RESOURCES
WHEATRIDGE EAST
SUBSTATION GRADING
GRADING PLANS

PHONE: 503.688.8888
DESIGN: 2024



DATE:	05-17-23
SCALE:	1" = 40'
HORZ.	N/A
VERT.	N/A
DESIGNED BY:	AMD
REVIEWED BY:	SDG
G5.00	
PAGE	48 OF 48



Attachment D. Wetlands and Waters Tables

B. What types of waterbodies or wetlands are present in your project area?

Table D-1. Wetlands Present in the Project Area

Wetland Name	Cowardin Classification	HGM Classification	Hydrology Source
WET-01	R3UB3	Riverine	Groundwater
WET-02	R3UB3	Riverine	Groundwater
WET-03	PEM2K	Potentially non-JD	Livestock Trough
WET-04	R4SB7	Riverine	Groundwater
WET-05	PEM2K	Potentially non-JD	Livestock Trough
WET-06	PEM2K	Potentially non-JD	Livestock Trough
WET-07	R4SB7	Riverine	Groundwater
WET-08	PEM	Depressional	Groundwater, Precipitation
WET-09	R4SB7	Riverine	Groundwater
WET-10	PEM	Slope	Groundwater
WET-11	R3UB3	Riverine	Groundwater
WET-12	R4SB7	Riverine	Groundwater
WET-13	PEM	Slope	Seep Spring
WET-14	PEM2K	Potentially non-JD	Livestock Trough
WET-15	PEM2K	Potentially non-JD	Livestock Trough
WET-16	PEM	Slope	Seep Spring
WET-17	PEM2K	Potentially non-JD	Livestock Trough
WET-18	R3UB3	Riverine	Groundwater
WET-19	R4SB7	Riverine	Groundwater
WET-20	PEM	Depressional	Groundwater, Overland Flow
WT-1000	PEM	Vernal Pool	Precipitation
WT-1001	PEM	Vernal Pool	Precipitation
WT-1002	PEM	Vernal Pool	Precipitation
WT-1003	PEM	Vernal Pool	Precipitation
WT-1004	PEM	Vernal Pool	Precipitation
WT-1005	PEM	Vernal Pool	Precipitation
WT-1006	PEM	Vernal Pool	Precipitation
WT-1007	PEM	Vernal Pool	Precipitation
WT-1008	PEM	Vernal Pool	Precipitation
WT-1010	PEM	Vernal Pool	Precipitation
WT-1011	PEM	Vernal Pool	Precipitation
WT-1012	PEM	Vernal Pool	Precipitation

Wetland Name	Cowardin Classification	HGM Classification	Hydrology Source
WT-1013	PEM	Vernal Pool	Precipitation

Table D-2. Other Waters Present in the Project Area

Waterbody Name	Streamflow Regime	Flow Origination
ST-1	Ephemeral	Flows into study area.
ST-2	Ephemeral	Flows into study area.
ST-3	Ephemeral	Flows into study area.
ST-4	Ephemeral	Completely within study area.
ST-5	Ephemeral	Completely within study area.
ST-6	Ephemeral	Flows into study area.
ST-7	Ephemeral	Flows into study area.
ST-8	Ephemeral	Flows into study area.
ST-9	Intermittent	Completely within study area.
ST-10	Ephemeral	Flows into study area.
ST-11	Ephemeral	Completely within study area.
ST-12	Ephemeral	Completely within study area.
ST-13	Ephemeral	Flows into study area.
ST-14	Ephemeral	Completely within study area.
ST-15	Ephemeral	Completely within study area.
ST-16	Ephemeral	Completely within study area.
ST-17	Ephemeral	Completely within study area.
ST-18	Ephemeral	Completely within study area.
ST-19	Ephemeral	Completely within study area.
ST-20	Ephemeral	Completely within study area.
ST-21	Ephemeral	Completely within study area.
ST-22	Ephemeral	Flows into study area.
ST-23	Ephemeral	Completely within study area.
ST-24	Ephemeral	Completely within study area.
ST-25	Ephemeral	Flows into study area.
ST-26	Ephemeral	Flows into study area.
ST-27	Ephemeral	Flows into study area.
ST-28	Ephemeral	Completely within study area.
ST-29	Ephemeral	Completely within study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-30	Ephemeral	Flows into study area.
ST-31	Ephemeral	Completely within study area.
ST-32	Ephemeral	Completely within study area.
ST-33	Ephemeral	Flows into study area.
ST-34	Intermittent	Flows into study area.
ST-35	Ephemeral	Flows in and out of study area.
ST-36	Ephemeral	Flows in and out of study area.
ST-37	Ephemeral	Completely within study area.
ST-38	Ephemeral	Completely within study area.
ST-39	Ephemeral	Completely within study area.
ST-40	Ephemeral	Flows into study area.
ST-41	Ephemeral	Completely within study area.
ST-42	Ephemeral	Flows into study area.
ST-43	Ephemeral	Flows into study area.
ST-44	Ephemeral	Flows into study area.
ST-45	Ephemeral	Flows into study area.
ST-46	Ephemeral	Completely within study area.
ST-47	Ephemeral	Originates and flows out of study area.
ST-48	Ephemeral	Completely within study area.
ST-49	Ephemeral	Originates and flows out of study area.
ST-50	Ephemeral	Originates and flows out of study area.
ST-51	Ephemeral	Originates and flows out of study area.
ST-52	Ephemeral	Flows into study area.
ST-53	Ephemeral	Flows in and out of study area.
ST-54	Ephemeral	Flows into study area.
ST-55	Ephemeral	Flows into study area.
ST-56	Ephemeral	Completely within study area.
ST-57	Ephemeral	Flows into study area.
ST-58	Ephemeral	Completely within study area.
ST-59	Ephemeral	Flows into study area.
ST-60	Ephemeral	Completely within study area.
ST-61	Ephemeral	Completely within study area.
ST-62	Ephemeral	Completely within study area.
ST-63	Ephemeral	Flows into study area.
ST-64	Ephemeral	Completely within study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-65	Ephemeral	Flows into study area.
ST-66	Ephemeral	Completely within study area.
ST-67	Ephemeral	Completely within study area.
ST-68	Ephemeral	Flows into study area.
ST-69	Ephemeral	Flows into study area.
ST-70	Ephemeral	Flows into study area.
ST-71	Ephemeral	Flows into study area.
ST-72	Ephemeral	Flows in and out of study area.
ST-73	Ephemeral	Flows into study area.
ST-74	Ephemeral	Originates and flows out of study area.
ST-75	Ephemeral	Completely within study area.
ST-76	Ephemeral	Completely within study area.
ST-77	Ephemeral	Completely within study area.
ST-78	Ephemeral	Completely within study area.
ST-79	Ephemeral	Flows into study area.
ST-80	Ephemeral	Flows into study area.
ST-81	Ephemeral	Completely within study area.
ST-82	Ephemeral	Originates and flows out of study area.
ST-83	Ephemeral	Flows into study area.
ST-84	Ephemeral	Flows into study area.
ST-85	Ephemeral	Flows into study area.
ST-86	Ephemeral	Flows into study area.
ST-87	Ephemeral	Flows into study area.
ST-88	Ephemeral	Flows into study area.
ST-89	Intermittent	Flows into study area.
ST-90	Ephemeral	Completely within study area.
ST-91	Ephemeral	Completely within study area.
ST-92	Ephemeral	Flows into study area.
ST-93	Ephemeral	Completely within study area.
ST-94	Ephemeral	Completely within study area.
ST-95	Ephemeral	Completely within study area.
ST-96	Ephemeral	Flows in and out of study area.
ST-97	Ephemeral	Flows into study area.
ST-98	Ephemeral	Completely within study area.
ST-99	Ephemeral	Flows in and out of study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-100	Ephemeral	Flows in and out of study area.
ST-101	Ephemeral	Flows in and out of study area.
ST-102	Ephemeral	Flows into study area.
ST-103	Ephemeral	Flows in and out of study area.
ST-104	Ephemeral	Flows into study area.
ST-105	Ephemeral	Flows in and out of study area.
ST-106	Ephemeral	Flows in and out of study area.
ST-107	Ephemeral	Flows in and out of study area.
ST-108	Ephemeral	Flows in and out of study area.
ST-109	Ephemeral	Flows in and out of study area.
ST-110	Ephemeral	Completely within study area.
ST-111	Ephemeral	Completely within study area.
ST-112	Ephemeral	Flows in and out of study area.
ST-113	Ephemeral	Completely within study area.
ST-114	Ephemeral	Flows in and out of study area.
ST-115	Ephemeral	Flows into study area.
ST-116	Ephemeral	Flows in and out of study area.
ST-117	Ephemeral	Flows in and out of study area.
ST-118	Ephemeral	Flows into study area.
ST-119	Ephemeral	Flows into study area.
ST-120	Ephemeral	Flows into study area.
ST-121	Ephemeral	Completely within study area.
ST-122	Ephemeral	Completely within study area.
ST-123	Ephemeral	Flows into study area.
ST-124	Ephemeral	Flows into study area.
ST-125	Ephemeral	Flows into study area.
ST-126	Perennial	Flows in and out of study area.
ST-127	Ephemeral	Flows into study area.
ST-128	Ephemeral	Flows into study area.
ST-129	Ephemeral	Flows in and out of study area.
ST-130	Ephemeral	Flows into study area.
ST-131	Ephemeral	Flows into study area.
ST-132	Ephemeral	Completely within study area.
ST-133	Ephemeral	Flows into study area.
ST-134	Ephemeral	Flows in and out of study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-135	Ephemeral	Flows into study area.
ST-136	Intermittent	Completely within study area.
ST-137	Perennial	Flows in and out of study area.
ST-138	Ephemeral	Flows in and out of study area.
ST-139	Ephemeral	Flows in and out of study area.
ST-140	Ephemeral	Flows in and out of study area.
ST-141	Ephemeral	Flows in and out of study area.
ST-142	Ephemeral	Flows into study area.
ST-143	Ephemeral	Flows in and out of study area.
ST-144	Ephemeral	Flows in and out of study area.
ST-145	Ephemeral	Flows into study area.
ST-146	Ephemeral	Flows into study area.
ST-147	Ephemeral	Flows into study area.
ST-148	Ephemeral	Flows into study area.
ST-149	Ephemeral	Flows into study area.
ST-150	Ephemeral	Flows into study area.
ST-151	Ephemeral	Flows into study area.
ST-152	Ephemeral	Originates and flows out of study area.
ST-153	Ephemeral	Originates and flows out of study area.
ST-154	Ephemeral	Originates and flows out of study area.
ST-155	Ephemeral	Originates and flows out of study area.
ST-156	Ephemeral	Originates and flows out of study area.
ST-157	Ephemeral	Originates and flows out of study area.
ST-158	Ephemeral	Originates and flows out of study area.
ST-159	Ephemeral	Completely within study area.
ST-160	Ephemeral	Originates and flows out of study area.
ST-161	Ephemeral	Flows into study area.
ST-162	Ephemeral	Flows into study area.
ST-163	Ephemeral	Flows in and out of study area.
ST-164	Ephemeral	Completely within study area.
ST-165	Ephemeral	Flows into study area.
ST-166	Ephemeral	Flows into study area.
ST-167	Ephemeral	Flows into study area.
ST-168	Ephemeral	Flows in and out of study area.
ST-169	Ephemeral	Flows in and out of study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-170	Ephemeral	Flows into study area.
ST-171	Ephemeral	Flows in and out of study area.
ST-172	Ephemeral	Flows in and out of study area.
ST-173	Ephemeral	Flows into study area.
ST-174	Ephemeral	Flows into study area.
ST-175	Ephemeral	Flows into study area.
ST-176	Ephemeral	Flows into study area.
ST-177	Ephemeral	Flows into study area.
ST-178	Ephemeral	Originates and flows out of study area.
ST-179	Ephemeral	Flows into study area.
ST-180	Ephemeral	Completely within study area.
ST-181	Ephemeral	Completely within study area.
ST-182	Ephemeral	Originates and flows out of study area.
ST-183	Ephemeral	Completely within study area.
ST-184	Ephemeral	Originates and flows out of study area.
ST-185	Ephemeral	Originates and flows out of study area.
ST-186	Ephemeral	Flows into study area.
ST-187	Ephemeral	Flows in and out of study area.
ST-188	Ephemeral	Flows into study area.
ST-189	Ephemeral	Flows into study area.
ST-190	Intermittent	Completely within study area.
ST-191	Ephemeral	Flows into study area.
ST-192	Ephemeral	Flows into study area.
ST-193	Ephemeral	Flows into study area.
ST-194	Ephemeral	Flows into study area.
ST-195	Ephemeral	Flows into study area.
ST-196	Ephemeral	Originates and flows out of study area.
ST-197	Ephemeral	Flows into study area.
ST-198	Ephemeral	Originates and flows in and out of study area.
ST-199	Ephemeral	Flows into study area.
ST-200	Ephemeral	Completely within study area.
ST-201	Ephemeral	Flows into study area.
ST-202	Ephemeral	Originates and flows out of study area.
ST-203	Ephemeral	Flows in and out of study area.
ST-204	Ephemeral	Originates and flows out of study area.

Waterbody Name	Streamflow Regime	Flow Origination
ST-205	Ephemeral	Flows in and out of study area.
ST-206	Ephemeral	Completely within study area.
ST-207	Ephemeral	Originates and flows in and out of study area.
ST-208	Ephemeral	Completely within study area.
ST-209	Ephemeral	Flows into study area.
ST-210	Ephemeral	Flows into study area.
ST-211	Ephemeral	Flows into study area.
ST-212	Ephemeral	Flows into study area.
ST-213	Ephemeral	Flows into study area.
ST-214	Ephemeral	Flows in and out of study area.
ST-215	Ephemeral	Flows into study area.
ST-216	Ephemeral	Flows in and out of study area.
ST-217	Ephemeral	Flows in and out of study area.
ST-218	Ephemeral	Flows into study area.
ST-219	Ephemeral	Flows in and out of study area.
ST-220	Ephemeral	Flows in and out of study area.
ST-221	Ephemeral	Flows into study area.
ST-222	Ephemeral	Flows into study area.
ST-223	Ephemeral	Flows in and out of study area.
ST-224	Ephemeral	Flows into study area.
ST-225	Ephemeral	Flows into study area.
ST-226	Ephemeral	Flows into study area.
ST-227	Ephemeral	Completely within study area.
ST-228	Ephemeral	Completely within study area.
ST-229	Intermittent	Flows in and out of study area.
ST-230	Ephemeral	Flows in and out of study area.
ST-231	Ephemeral	Completely within study area.
ST-232	Ephemeral	Flows into study area.
ST-233	Ephemeral	Originates and flows out of study area.
ST-234	Ephemeral	Completely within study area.
ST-235	Ephemeral	Flows into study area.

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H. Fill Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name*	Fill Dimensions					Time Fill is to remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft.)	Area (sq. ft. or ac.)	Volume (c.y.)		
Riverine wetland WET-18(1)	30	9.5	2.9	248.4 sq. ft.	26.3	Permanent	Culvert topped with road surface.
Riverine wetland WET-18(2)	57	18.4	5	1049.6 sq. ft.	194.4	Permanent	Local fill.
Riverine wetland WET-18(3)	98	13.3	5	1307.7 sq. ft.	242.2	Permanent	Local fill.
Riverine wetland WET-18(4)	73	3.7	3	269.0 sq. ft.	29.9	Permanent	Local fill.
Riverine wetland WET-18(5)	43	5.8	4	248.4 sq. ft.	36.8	Permanent	Culvert topped with road surface.
Ephemeral stream ST-113	21	1.0	4	21.4 sq. ft.	1.2	Permanent	Local fill.
Ephemeral stream ST-196	67	2.0	4	134.1 sq. ft.	24.8	Permanent	Local fill.