



750 West Elm Avenue  
PO Box 1148  
Hermiston, OR 97838

September 12, 2023

Todd Cornett  
Assistant Director of Siting  
Oregon Department of Energy  
550 Capital Street NE  
Salem, Oregon 87301

Subject: Submittal of Notice of Intent to Apply for a Site Certificate for the Umatilla-Morrow County Connect Project

Dear Mr. Cornett:

Umatilla Electric Cooperative (UEC) is submitting the attached Notice of Intent (NOI) to Apply for a Site Certificate for the Umatilla-Morrow County Connect project. UEC is proposing to construct, operate, and maintain a new approximately 14-mile-long, steel, single-pole, double-circuit 230 kV transmission line from UEC's existing Highway 730 Switchyard to UEC's planned Ordnance Switchyard. This line will provide a connection between UEC's transmission system in Morrow and Umatilla Counties which will allow UEC to serve forecasted load and increase system reliability.

The materials delivered as part of the submittal include three hard copies of the NOI. The following documents will also be delivered electronically:

- Microsoft Word and PDF versions of the NOI and accompanying maps and Appendices
- List in MS Excel and Map of property owners by tax lot (also included as Attachment B and Attachment C, Figure F-1 of the NOI)
- List of Protected Area land managers and contact information within the study area;
- A KMZ file of the alternative routes and site boundary
- GIS data used in the development of the NOI

Thank you for your time during this initial completeness review and as we continue to work together throughout the Energy Facility Siting Council process. Please feel free to contact Derik Vowels, Project Manager, POWER Engineers, Inc. by phone at (503) 892-6873 or me by email at [UMCCproject@umatillaelectric.com](mailto:UMCCproject@umatillaelectric.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Cole Bode', is written over a light blue horizontal line.

**Cole Bode**  
*Manager of Engineering*  
Umatilla Electric Cooperative

750 W. Elm Avenue • PO Box 1148 • Hermiston OR 97838

Phone: (541) 567-6414

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Toll Free: 800-452-2273

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**Notice of Intent  
to Apply for a Site Certificate  
for the  
Umatilla-Morrow County Connect Project**

September 2023

**Submitted to:**

Oregon Department of Energy

**Prepared by:**

Umatilla Electric Cooperative

750 West Elm Avenue

PO Box 1148

Hermiston, OR 97838

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*Energy Facility Siting Council  
Notice of Intent*

**PREPARED FOR:** UMATILLA ELECTRIC COOPERATIVE

**PREPARED BY:** DERIK VOWELS

503-892-6873

DERIK.VOWELS@POWERENG.COM

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ON INDIAN SERVICE**

## ACRONYMS AND ABBREVIATIONS

°C	Degrees Celsius
AC	Alternating Current
ACEC	Area of Critical Environmental Concern
AR	Aggregate Resource
ASC	Application for Site Certificate
BLM	Bureau of Land Management
BMP	Best Management Practice
C.F.R.	Code of Federal Regulations
CDA	Columbia Development Authority
CR	County Route
DI	Depot Industrial
EFSC	Energy Facility Siting Council
EFU	Exclusive Farm Use
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
I-	Interstate
IPaC	Information for Planning and Consultation
kV	kilovolt
LI	Light Industrial
LI/LU	Light Industrial/ Limited Use
LRP	Long Range Plan
MG	General Industrial
MVA	Megavolt Amps
NEPA	National Environmental Policy Act
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
OAR	Oregon Administrative Rules
OARRA	Oregon Archaeological Records Remote Access
ODFW	Oregon Department of Fish and Wildlife
ONHP	Oregon Natural Heritage Program
OR	Oregon
ORBIC	Oregon Biodiversity Information Center
ORS	Oregon Revised Statute
PI	Port Industrial
Project	Umatilla-Morrow County Connect Project
RMP	Resource Management Plan
ROW	Right-of-Way
U.S.C.	United States Code
UCDTA	Umatilla Chemical Depot Transfer Area
UEC	Umatilla Electric Cooperative
UP	Union Pacific
US	United States
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Service

## EXHIBIT A. APPLICANT INFORMATION

### A. Applicant Contact Information - Oregon Administrative Rules (OAR) 345-020-0011(1)(a)

*Information about the applicant and participating persons, including:*

*(A) The name and address of the applicant including all co-owners of the proposed facility, the name, mailing address, email address and telephone number of the contact person for the Notice of Intent (NOI), and if there is a contact person other than the applicant, the name, title, mailing address, email address and telephone number of that person;*

**Response:**

**Name and mailing address of Applicant:**

Umatilla Electric Cooperative  
750 West Elm Avenue  
PO Box 1148  
Hermiston, OR 97838

**Applicant Contact Person with Mailing Address, Email Address, and Telephone Number:**

Cole Bode  
Umatilla Electric Cooperative  
750 West Elm Avenue  
PO Box 1148  
Hermiston, OR 97838  
[UMCCproject@umatillaelectric.com](mailto:UMCCproject@umatillaelectric.com)  
Ph. 541-567-6414

### B. Other Participants - OAR 345-020-0011(1)(a)(B)

*(B) The contact name, mailing addresses, email address and telephone number of all participating persons, other than individuals, including but not limited to any parent corporation of the applicant, persons upon whom the applicant will rely for third-party permits or approvals related to the facility, and persons upon whom the applicant will rely in meeting any facility standard adopted by the Council.*

**Response:**

**Contact persons other than the Applicant:**

Derik Vowels  
POWER Engineers, Inc.  
3 Centerpoint Drive, Suite 500  
Lake Oswego, OR 97035  
[derik.vowels@powereng.com](mailto:derik.vowels@powereng.com)  
503-892-6873

### C. Corporate Status - OAR 345-020-0011(1)(a)©

*(C) If the applicant is a corporation:*

- (i) The full name, official designation, mailing address, email address and telephone number of the officer responsible for submitting the NOI;*
- (ii) The date and place of its incorporation;*
- (iii) A copy of its articles of incorporation and its authorization for submitting the NOI; and*

(iv) *In the case of a corporation not incorporated in Oregon, the name and address of the resident attorney-in-fact in this state and proof of registration to do business in Oregon;*

**Response:**

The applicant is an Oregon cooperative under Oregon Revised Statute (ORS) Chapter 62.

**Officer Responsible**

Robert Echenrode  
Umatilla Electric Cooperative  
750 West Elm Avenue  
PO Box 1148  
Hermiston, OR 97838  
[UMCCproject@umatillaelectric.com](mailto:UMCCproject@umatillaelectric.com)  
541-567-6414

**Date and Location of Incorporation**

Umatilla Electric Cooperative (UEC) was incorporated on June 18, 1937, in the state of Oregon.

**Copy of Articles of Incorporation**

Copies of the following documents that comprise the current Articles of Incorporation are provided in Attachment A-1:

Restated Articles of Incorporation, adopted on August 11, 1983

Articles of Amendment adopted on March 21, 1987

Articles of Amendment adopted on June 22, 1994

**Authorization for Submitting the Application**

A letter of authorization and UEC Board resolution authorizing the submittal of the NOI has been included as Attachment A-2.

**UEC Attorney-in-Fact for the NOI**

Tommy Brooks  
Cable Huston  
1455 SW Broadway #1500  
Portland, OR 97201  
[tbrooks@cablehuston.com](mailto:tbrooks@cablehuston.com)  
503-224-3092

**D. Ownership - OAR 345-020-0011(1)(a)(D)**

*(D) If the applicant is a wholly owned subsidiary of a company, corporation or other business entity, in addition to the information required by paragraph (C), the full name and business address of each of the applicant's full or partial owners;*

**Response:**

The applicant is not a wholly owned subsidiary of a company, corporation, or other business entity; therefore, this section does not apply.

**E. Association/Joint-Venture Information - OAR 345-020-0011(1)(a)(E)**

*(E) If the person submitting the NOI is an association of citizens, a joint venture or a partnership:*

- (i) The full name, official designation, mailing address, email address and telephone number of the person responsible for submitting the NOI;*
- (ii) The name, business address and telephone number of each person participating in the association, joint venture or partnership and the percentage interest held by each;*
- (iii) Proof of registration to do business in Oregon;*
- (iv) A copy of its articles of association, joint venture agreement or partnership agreement and a list of its members and their cities of residence; and*
- (v) If there are no articles of association, joint venture agreement or partnership agreement, the applicant must state that fact over the signature of each member;*

**Response:**

The applicant is not an association of citizens, joint venture, or partnership; therefore, this section is not applicable.

**F. Public/Government Entity Information - OAR 345-020-0011(1)(a)(F)**

*(F) If the applicant is a public or governmental entity:*

- (i) The full name, official designation, mailing address, email address and telephone number of the person responsible for submitting the NOI; and*
- (ii) Written authorization from the entity's governing body to submit an NOI;*

**Response:**

The applicant is not a public or governmental entity; therefore, this section is not applicable.

**G. Individual Application - OAR 345-020-0011(1)(a)(G)**

*(G) If the applicant is an individual, the individual's mailing address, email address and telephone number; and*

**Response:**

The applicant is not an individual; therefore, this section is not applicable.

**H. Limited Liability Company Information - OAR 345-020-0011(1)(a)(H)**

*(H) If the applicant is a limited liability company:*

- (i) The full name, official designation, mailing address, email address and telephone number of the officer responsible for submitting the NOI;*
- (ii) The date and place of its formation;*
- (iii) A copy of its articles of organization and its authorization for submitting the NOI; and*
- (iv) In the case of a limited liability company not registered in Oregon, the name and address of the resident attorney-in-fact in this state and proof of registration to do business in Oregon.*

**Response:**

The applicant is not a Limited Liability Company; therefore, this section is not applicable.

## **EXHIBIT B. PROJECT DESCRIPTION**

UEC is proposing to construct, operate, and maintain a new approximately 14-mile-long transmission line between UEC's existing Highway 730 Switchyard and UEC's Ordnance Switchyard<sup>1</sup> called the Umatilla-Morrow County Connect Project (Project).

This line will be a 230-kilovolt (kV) nominal, double-circuit electrical transmission line supported by steel structures. The line will provide transmission system interconnection between the Boardman and Hermiston areas. This interconnection will expand UEC's 230-kV transmission system to increase reliability, provide a transmission path for renewable energy across the region, and establish an electrical grid capable of meeting the increasing demands of local communities, businesses, and industries within UEC's Service Territory.

UEC intends to begin construction of the Project in 2025 and have the transmission line in service by the end of 2025, pending issuance of a site certificate from the Energy Facility Siting Council (EFSC).

**OAR 345-020-0011(1)(b) Exhibit B.** *Information about the proposed facility, including:*

(A) *A description of the proposed energy facility, including as applicable:*

(i) *For electric power generating plants, the nominal electric generating capacity and the average electrical generating capacity, as defined in ORS 469.300;*

**Response**

The Project will not generate electricity, but will expand transmission capacity to accommodate growth, increase reliability, and provide access to renewable energy. Therefore, this rule does not apply.

(ii) *Major components, structures, and systems, including a description of the size, type and configuration of equipment used to generate, store, or transport electricity and useful thermal energy.*

**Response**

The size of the steel pole structures will vary and be approximately 90 to 120 feet tall and approximately 40 to 50 inches in diameter at their base. Attachment C, Figure B-1 shows the configuration of the typical pole structures. These structures will support double-circuit 230-kV transmission conductor.

The number of anticipated structures required for the Project ranges from approximately 116 to 132, depending on the alternative route chosen:

- Alternative Route A: 116 structures

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<sup>1</sup> Ordnance Switchyard is independent from the Project, and thus not part of the EFSC process; permitting for the Ordnance Switchyard will be completed before Project construction.

- Alternative Route B: 126 structures
- Alternative Route C: 123 structures
- Alternative Route D: 123 structures

*(iii) Methods for waste management and waste disposal, including, to the extent known, the amount of wastewater the applicant anticipates, the applicant's plans for disposal of wastewater and storm water, and the location of disposal;*

**Response**

Once constructed, the Project is a passive use and will not generate waste that requires disposal. All construction areas, work areas, and access routes will be kept free of trash and waste. Best management practices (BMPs) for the treatment of solid waste will be employed throughout construction, operation, and maintenance. These BMPs will include the removal of all refuse and trash generated daily by construction and maintenance crews in work areas and disposal in approved disposal facilities. Trash dumping will be prohibited at all work locations and access roads. All sanitary wastes will be collected in portable, self-contained toilets at all construction staging areas and other construction operation areas.

Wastewater will not be generated as a result of construction or maintenance. Stormwater will be managed as detailed in Stormwater Pollution Prevention Plans required as part of compliance with a National Pollutant Discharge Elimination System (NPDES) permit for the project. The Stormwater Pollution Prevention Plans will include BMPs to manage stormwater runoff, such as minimalizing and stabilizing disturbed areas, implementing sediment control features, and other runoff control measures as needed according to site conditions.

*(iv) For thermal power plants, combustion turbine power plants, or other facilities designed to generate electricity from any gas, liquid, or solid fuels:*

*I. A discussion of the source, quantity and availability of all fuels proposed to be used in the facility to generate electricity or useful thermal energy;*

*II. If the facility will generate electric power from natural gas, petroleum, coal or any form of solid, liquid or gaseous fuel derived from such material, a discussion of methods the facility will use to ensure that the facility does not emit greenhouse gasses into the atmosphere, and a description of any equipment the facility will use to capture, sequester, or store greenhouse gases;*

*III. A discussion of the methods for the disposal of waste heat generated by the facility;*

**Response**

The Project is not a thermal power plant; therefore, this section is not applicable.

*(v) For transmission lines, approximate transmission line voltage, load carrying capacity and type of current;*

**Response**

The Project is a double-circuit 230-kV alternating current (AC) transmission line from UEC's Highway 730 Switchyard to UEC's Ordnance Switchyard. The load carrying capacity of the Project in megavolt amps (MVA) is reflected in Table B-1 below. These capacities reflect UEC's standard ratings for 2-1272 Aluminum Conductor Steel

Supported operated at 150 degrees Celsius (°C) for normal conditions and 250°C for emergency conditions.

**TABLE B-1 LOAD CARRYING CAPACITY OF THE PROJECT'S 230-KV TRANSMISSION LINE-BY CIRCUIT**

SUMMER SEASONAL RATINGS (40°C) MVA <sup>1</sup>		WINTER SEASONAL RATINGS (-12°C) MVA <sup>2</sup>		SPRING/FALL SEASONAL RATINGS (20°C) MVA <sup>3</sup>	
Normal	Emergency	Normal	Emergency	Normal	Emergency
1,407	1,881	1,715	2,069	1,537	1,958

<sup>1</sup> @ 3,532 amps normal/ 4,722 amps emergency

<sup>2</sup> @ 4,304 amps normal/ 5,194 amps emergency

<sup>3</sup> @ 3,858 amps normal/ 4,916 amps emergency

MVA=megavolt amps

(vi) For pipelines, approximate operating pressure and delivery capacity in thousand cubic feet per day;

**Response**

The Project is not a pipeline; therefore, this section is not applicable.

(vii) For surface facilities related to underground gas storage, estimated daily injection and withdrawal rates, horsepower compression required to operate at design injection or withdrawal rates, operating pressure range and fuel type of compressors;

**Response**

The Project will not include underground gas storage facilities; therefore, this section is not applicable.

(viii) For facilities to store liquefied natural gas, the approximate volume, maximum pressure, liquefaction and gasification capacity in thousand cubic feet per hour;

**Response**

The Project will not include liquefied natural gas storage facilities; therefore, this section is not applicable.

(B) A description of major components, structures, and systems of each related or supporting facility; and

(C) The approximate dimensions of major facility structures and visible features.

**Response**

The Project's major transmission line components related to construction, operation and maintenance are further detailed below. The Project Site Boundary, or perimeter area, encompassing all potential permanent and temporary disturbance areas are outlined in Attachment C, Figure C-2. The final total disturbed area will be significantly less than the area encompassed by the Project Site Boundary (also see Exhibit C, Table C-3).



The Project may cross private, federal, state, or locally managed land in Umatilla and Morrow Counties depending on the route variation chosen (see Attachment C, Figure C-1). As part of the proposed Project:

- Portions of proposed transmission line may be constructed parallel to existing transmission lines.
- Portions of the existing distribution lines may be accommodated on the structures below the transmission circuit(s) (referred to as “underbuild”) or placed underground, as needed.
- Portions of the proposed transmission line would cross through lands that have no existing lines with which to co-locate or otherwise run parallel to.

#### Right-of-Way

The transmission line will be located within a right-of-way (ROW) of sufficient width to ensure safe construction, electrical performance, and maintenance. Easements for the Project will typically be between 100 and 150 feet wide and within the parcels shown on Attachment C, Figure F-1. The ROW will consist of permanent easements, public road right of ways, and temporary easements for the construction and operation of the Project. Easements on the Columbia Development Authority (CDA) tract have been obtained as of August 24, 2023, and a significant portion of all alternative routes cross this property.

#### Site Preparation

Construction will take place in accordance with UEC’s standard construction techniques and BMPs. Construction activities will take place primarily within the ROW along the transmission line alignment. To minimize disturbance, vegetation will be removed and surface blading or grading will be completed only where needed for safe and efficient operations.

UEC will typically utilize a 50- by 50-foot work zone around tangent structures and 100 by 400 feet around dead end structures for conductor pulling activities; however, that full area is not necessarily disturbed. The size of the work area is based on the need to lay down the poles, install the necessary hardware and frame the structures to full length. Any disturbed areas are restored to previous conditions or better and verified with the property owners.

#### Transmission Lines and Structures

The 230-kV overhead transmission line from the Highway 730 Switchyard to the Ordnance Switchyard will be approximately 14 miles in length. The transmission line will be constructed using steel structures approximately 90 to 120 feet high and subject to the requirements of the National Electrical Safety Code. The average span between structures will be approximately 600 feet. Three types of structures are proposed to be used as shown in Attachment C, Figure B-1: monopole, two-pole running angle, and two-pole dead-end.

#### Access Roads

Permanent access roads will not be required where the Project ROW is adjacent to existing roads. Depending on the offset distance from the edge of road, a new permanent easement for an access road may be required, and new permanent access in some areas may be constructed to avoid conflicts with agricultural operations. In agricultural areas, permanent easements for access roads will be established as necessary, but UEC will not construct permanent roads that would potentially affect agricultural operations or crop production. In other areas, permanent access roads will be an average of 14 feet in width and be constructed of compacted gravel. Existing roads may require minor improvements such as widening; these improvements would be coordinated with the applicable owner or agency managing the road and subject to any permitting requirements.

#### Laydown and Construction Yard Areas

Staging areas for equipment and handling materials will be located at already developed sites and will be selected by the construction contractor. These areas have been preliminarily identified in five locations, including an existing UEC property adjacent to the Highway 730 Switchyard, the Ordnance Substation, and Ordnance Switchyard. These sites may also be used as fly yards. Helicopter operations require fly yards for supporting helicopter only and helicopter assist construction such as stringing. UEC will use a Port of Morrow-owned yard on Poleline Road within the Project area. No additional modifications to that property are anticipated. Entrances to each laydown area and construction yard may be stabilized with rock and some brush may be cleared as necessary, but typically would involve “drive-and-crush” of vegetation with vehicle traffic or material laydown and stored materials. Temporary construction fencing may be utilized for security depending on the location and risk factors identified for the specific locations.

During construction, temporary laydown areas within the Highway 730 Switchyard area will be used to stage construction activities and organize equipment and supplies. Laydown areas will be available for each area of the Project. A temporary construction trailer may be installed onsite, consisting of an office space, storage, and breakroom facilities. It is anticipated that this area will be located in a previously disturbed site procured in coordination with a local landowner.

#### Distribution Rebuild

As currently proposed, existing electric distribution lines that coincide with the proposed Project route will be relocated. Pending final design, existing distribution lines may be transitioned underground or accommodated on the new transmission structures as “underbuild.”

#### Operation and Maintenance

Operation and maintenance activities will include patrol and inspection of the line and structure and conductor maintenance, as needed. Vegetation in work areas around all structures will be appropriately managed to allow access to the structures. The height of vegetation within the ROW will be limited to what is required for safety and clearance standards and in accordance with the UEC’s 2023 *Wildfire Mitigation Plan*. Access roads will be kept clear of obstruction and maintained as needed and in coordination with landowners.

## EXHIBIT C. PROJECT LOCATION

### OAR 345-020-0011(1)(c)

(c) A description of the location of the proposed energy facility site and the proposed site of each related or supporting facility and all areas that might be temporarily disturbed during construction of the facility, including the approximate land area of each.

#### Response

##### General Locations

The Project is located largely in unincorporated areas of eastern Morrow and western Umatilla Counties. Attachment C, Figure C-1 shows the Project location, and Figure G-1 contains a set of detailed maps that shows the proposed Project in relation to existing roads, water bodies, and other topographic features. The Project is currently in the design phase. Specific locations of structures have not yet been identified. The Highway 730 Switchyard and Ordnance Switchyard are shown on Figure G-1.

For purposes of this NOI, the Project Site Boundary encompasses multiple areas being evaluated to site the proposed transmission line, permanent access (new and improved existing roads), and temporary work areas such as structure work areas and pulling-and-tensioning sites (Attachment C, Figure C-2). Final temporary staging and laydown areas and fly yards will be selected by the construction contractor and will be located at already developed sites shown on Figure C-2; no additional disturbance will be required.

The Applicant is evaluating four alternative route corridors for this NOI—Alternative Route A, approximately 13.1 miles long; Alternative Route B, approximately 14.4 miles long; Alternative Route C, approximately 14.0 miles long; Alternative Route D, approximately 13.9 miles long (see Attachment C, Figure D-1). All corridors are undergoing analysis and will be presented to the public and potentially affected agencies for review and comment. Once comments are received and the analysis is complete, the route for the transmission line will be selected and environmental field surveys will be conducted, as applicable. There may be more than one Alternative Route that will be evaluated in the Application for Site Certificate (ASC). The final route(s) contained within the ASC may include portions of any of the Alternative Routes presented in this NOI. The results will be submitted to Oregon Department of Energy in the ASC. Table C-1 summarizes land ownership and jurisdiction crossed by the alternative routes.

**TABLE C-1 LAND OWNERSHIP AND JURISDICTION CROSSED BY ALTERNATIVE ROUTE CORRIDORS (MILES)**

ALTERNATIVE ROUTE	FEDERAL	STATE	LOCAL (UCDTA, PORT OF MORROW)	PRIVATE	TOTAL
A	0.00	0.31	7.37	5.46	13.1
B	0.00	0.1	10.91	3.39	14.4
C	0.00	0.89	8.21	4.92	14.0
D	0.00	0.27	10.92	2.79	14.0

Notes: UCDTA= Umatilla Chemical Depot Transfer Area (Columbia Development Authority tracts)  
 Due to rounding, sum of distances crossed may not reflect end-to-end route length.

Transmission Lines

The ROW corridor will occupy between approximately 170 acres and 255 acres assuming a 14.0 mile long final route and 100 to 150 foot ROW; total disturbance area will be significantly less, and will depend on final structure siting, number of structures, topographical variation, and other design and site-specific factors. The structures will be situated approximately 600 feet apart with approximately nine structures per mile, but will vary depending on the width of the available ROW. Transmission line structures will be sited to minimize disturbance to existing agricultural operations.

The permanent structure footprint within the ROW—that is, the land area displaced from use within the ROW for the life of the Project—depends on the type of structure, as follows:

- Single-pole structures (monopole) permanent footprint (land disturbed) is approximately 10.6 square feet (assuming an average 44-inch diameter base)
- Two-pole structure permanent footprint (land disturbed) is approximately 77 to 100.5 square feet (assuming an average of two 7.0- to 8.0-foot diameter bases)

The proposed transmission line has not yet been designed and, until the line is designed, locations of transmission line pole-structures, temporary structure work areas, and temporary access are not precisely known. However, approximate sizes of typical temporary work areas and permanent structure footprints within the ROW are summarized below. Table C-2 summarizes the design characteristics and impacts by feature of the Project. Total impacts by Alternative Route are shown on Table C-3.

**TABLE C-2 PROJECT DESIGN CHARACTERISTICS**

FEATURE	DESIGN CHARACTERISTICS
Line Length	Approximately 13 - 15 miles
Typical Structures	Steel Monopole and 2 Pole
Structure Height	90-120 feet
Average Span Length	600 feet
Structure per mile	Nine
ROW Width	Between 100-150 feet typically
Voltage	230,000 volts alternating current
Circuit Configuration	Double-circuit
Structure/Pole foundations	Steel Reinforced Concrete/Direct Embed
Land Disturbed (approximate):	
<b>Temporary</b>	
Structure Work Area	50 by 50 feet (2,500 square feet)
Pulling and Tensioning Sites	100 by 400 feet (40,000 square feet) mid-Span 100 by 250 (25,00 square foot corners) heavy angle

FEATURE	DESIGN CHARACTERISTICS
Construction Yard/Staging Areas (existing disturbed areas)	Variable; previously disturbed areas
<b>Permanent</b>	
Structure Footprint (Base)	
Monopole	44 inch diameter (10 square feet)
Two-Pole (Running Angle)	Two 7.0-foot diameter bases (77 square feet total)
Two-Pole (Deadend)	Two 8.0-foot diameter bases (100.5 square feet total)
New Access Roads	Minimum 14 feet wide
Improved Access Roads	Additional 4.0 foot travel surface

**TABLE C-3 TOTAL APPROXIMATE IMPACTS BY ALTERNATIVE ROUTE**

DISTURBANCE FEATURE	DISTURBANCE BY ALTERNATIVE (ACRES)			
	Route A	Route B	Route C	Route D
<b>Temporary Impacts</b>				
Structure Work Area	6.7	7.2	7.1	7.1
Pulling and Tensioning Sites	9.2	12.6	8.0	12.6
<i>Subtotal-Temporary Impacts</i>	15.9	19.8	15.1	19.7
<b>Permanent Impacts</b>				
Structure Footprint	0.06	0.07	0.06	0.06
New Access Roads	10.8	9.5	10.3	10.4
Improved Access Roads	2.1	3.2	1.8	2.5
<i>Subtotal-Permanent Impacts</i>	12.96	12.77	12.16	12.96
<i>Total</i>	28.86	32.57	27.26	32.66

### Alternative Route Descriptions

This section describes the potential route alternatives that may be included in the ASC. Many of the Alternative Routes share a common alignment. End-to-end alternatives are described below. These alternatives were developed as a result of a detailed routing and siting study and coordination among affected stakeholders during the initial planning of the Project (see Exhibit D-1). The Project would primarily cross private land, with some portions crossing federal, state or locally managed land, depending on the alternative. Portions of all alternatives cross CDA tracts in existing easements within the former United States (US) Army Umatilla Chemical Depot, referred to herein as the Umatilla Chemical Depot Transfer Area (UCDTA). Transfer of the US Army Chemical Depot to the Columbia Development Authority occurred in March 2023. The easements necessary

for each of the route alternatives within the CDA property were obtained by UEC on August 24, 2023.

The Project Site Boundary includes four potential routes for the 230-kV transmission lines between the Highway 730 Switchyard and Ordnance Switchyard (Figure C-2). Figure C-2 also shows that the Project Site Boundary encompasses all 230-kV transmission alternative routes, all potential access roads, known pulling and tensioning sites, and potential construction/laydown and fly yard areas. The Project components will be located primarily on private land for which the Applicant will negotiate long-term agreements with the landowners; state of Oregon and federal land may also be crossed depending on the final Alternative Route approved.

Preliminary alignment of the four alternative routes has been identified and all alternatives are being evaluated. Attachment C, Figure F-1 provides the locations of the alternative routes by township, range, section number and tax lot identification (ID) (also see Attachment B- Table F-1). The Project Site Boundary encompasses all or portions of the following townships, ranges, and sections:

- Township 4 North, Range 26 East, Sections 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 22, 23, 24
- Township 4 North, Range 27 East, Sections 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28

#### Alternative Route A Description

Alternative Route A is the shortest of the alternative routes at 13.1 miles long, and is located on the north side of Interstate (I)-84. From the Highway 730 Switchyard, the route parallels I-84 and an existing distribution line on private land north of the interstate, crossing one parcel owned by the State of Oregon before turning north on the west side of County Road 930 (Paterson Ferry Road). Alternative Route A then parallels County Route (CR) 930 on the west for a short distance, crossing the Union Pacific (UP) Railroad corridor and turning east, bisecting private parcels across existing agricultural areas west of the UCDTA. Alternative Route A then traverses the UCDTA, turning south along the east side of UCDTA railroad service tracks to the southern border of the UCDTA. Alternative Route A then parallels the railroad corridor on its north side to the southeastern corner of the UCDTA, crossing I-82 to the interconnection with the Ordnance Switchyard.

#### Alternative Route B Description

Alternative Route B is 14.4 miles in length and is also located on the north side of I-84. The route extends generally north from the Highway 730 Switchyard for approximately 0.5-miles to the south side of the UP Railroad corridor where it turns to the southeast and follows the railroad corridor for approximately 5.25 miles to the southwest corner of the UCDTA. Alternative Route B then turns north and crosses the UP Railroad following the western-most UCDTA property boundary for approximately 0.9 mile. It then turns east along the UCDTA northern boundary and joins the Alternative Route A corridor, following it to the southeastern corner of the UCDTA where it then deviates from Alternative Route A and crosses I-82 in a location approximately 0.2 mile north of the Alternative Route A crossing.

### Alternative Route C Description

Alternative Route C is located primarily north of I-84 and is 14 miles in length. From the Highway 730 Switchyard, this route extends south across I-84 to the north side of Wilson Lane SE, paralleling the road for 5.3 miles. Alternative Route C then turns north, crossing I-84 again to its north side where it then follows Alternative Route B within the UCDTA property to its southeast corner northwest of the I-82/I-84 interchange. This alternative route then crosses I-82 and enters the Ordnance Switchyard along the same alignment as Alternative A.

### Alternative Route D Description

Alternative Route D is 14 miles long and shares the same alignment as Alternative Route A from the Highway 730 Switchyard to CR 930/Paterson Ferry Road. Alternative Route D then deviates from Alternative Route A, crossing CR 930/Paterson Ferry Road and paralleling I-84 on its north side for 2.4 miles before it turns north, crosses the UP Railroad and follows the western-most UCDTA property boundary for approximately 0.9 mile along the same alignment as Alternative Routes B and C. It then follows the Alternative Route B alignment to the Ordnance Switchyard.

### Access Roads

Construction access disturbances will be minimized and contained within UEC ROW, or approved use of private agricultural roads. Access from structure to structure will generally be no more than 10 to 20 feet (one to two vehicles wide) in width. Any disturbed areas will be restored to previous conditions or better and verified with the property owners.

Roads enable access for vehicles and equipment to the ROW and structure sites for both construction and long-term maintenance of the transmission line. To limit the amount of disturbance, existing paved and unpaved roads will be used for access to the extent feasible and, where possible, travel will be overland (drive-and-crush) within the ROW. The alignments of the four alternative routes have been sited to be parallel and in proximity to existing roads to the extent feasible, allowing access from the existing roads to the structure sites (spur roads) to be overland (drive-and-crush).

A limited amount of existing dirt roads may need improvement (e.g., surface grading) for safe passage of vehicles and equipment. In these cases, the extent of disturbance associated with road improvement will be minimized and would vary depending on whether the terrain is flat or sloped. The four alternative routes cross relatively flat terrain. Existing roads requiring improvement may result in an additional 5.0 to 6.0 feet on either side of the travel way to facilitate such areas as turnouts and turning radii. As needed, improvements to existing roads may require the removal of larger vegetation and/or blading the surface to shape existing road surfaces, creating water bars, and draining dips to manage stormwater runoff. The area used for temporary construction will be reclaimed, if needed. It is expected that existing bridges will be used for crossing streams.

### Laydown Areas

Contractors will utilize existing UEC property adjacent to the Highway 730 Switchyard, Ordnance Substation, and Ordnance Switchyard, as well as potential use of a yard owned by the Port of Morrow at the lumber mill on Poleline Road identified within UEC's Site Boundary. Laydown areas will be left primarily "as is." Entrances may be stabilized with rock and some brush may be cleared as necessary, but typically contractors will drive over and crush any vegetation with vehicle traffic or material laydown and storage. Temporary construction fencing may be utilized for security depending on the location and risk factors identified for the specific locations. Currently identified temporary staging and laydown areas and fly yards, located at developed sites and shown in Attachment C, Figure G-1, will be selected by the construction contractor. Temporary work areas and temporary access areas that have been disturbed will be reclaimed as needed in accordance with the Applicant's standard BMPs. There will be no permanent disturbance.

## **EXHIBIT D. ALTERNATIVE LOCATIONS**

### **OAR 345-020-0011(1)(d)**

*(d) If the proposed energy facility is a pipeline or a transmission line or has, as a related or supporting facility, a transmission line or pipeline that, by itself, is an energy facility under the definition in ORS 469.300, identification of at least two proposed corridors, as defined in OAR 345-001-0010, or identification of a single proposed corridor with an explanation of why alternate corridors are unlikely to better meet the applicant's needs and satisfy the Council's standards. The applicant must include an explanation of the basis for selecting the proposed corridors and, for each proposed corridor, the information described in subsections (e), (g), (i), (j), (k), (n) and (p) that is available from existing maps, aerial photographs, and a search of readily available literature.*

### **Response**

Attachment C, Figure D-1 shows the four alternative route corridors (as described in Exhibit C) that the Applicant is evaluating in detail. UEC developed a routing and siting study that employed a comprehensive, systematic process for identifying, evaluating, and selecting transmission line routes to be included in this NOI. Among the factors that UEC must consider to ultimately make a decision are engineering and design requirements, system planning, constructability, regulatory requirements, environmental constraints and opportunities, public input, permitting, lands and realty, and cost.

During the routing and siting study, more than 97 miles of route alternatives were analyzed in an approximately 38-square-mile Project Study Area. The routing and siting study process included: (1) collecting land use and environmental resource data from applicable agencies and other relevant sources; (2) using the data to identify opportunities for and constraints to routing and siting the Project's facilities; (3) identifying a network of transmission line route alternative segments; (4) screening and comparing route alternatives; (5) identifying preliminary alternative routes, (6) consulting with landowners potentially affected by preliminary route alternatives, and (7) finalizing alternative routes to move forward with and include in the NOI.

Based on all decision-making factors listed above, the four route alternatives identified in Attachment C, Figure D-1 minimize impacts within the study area and provide the most feasible opportunities to meet constructability, permitting, and ROW considerations, such



as having CDA easements already in place for a significant portion of each of the route alternatives. These alternatives reflect discussions with landowners potentially affected within the corridors.

## EXHIBIT E. PERMITS NEEDED FOR CONSTRUCTION AND OPERATION

### OAR 345-020-0011(1)(e)

(e) **Exhibit E.** Identification of all federal, state and local government permits related to the siting of the proposed facility, a legal citation of the statute, rule or ordinance governing each permit, and the name, address, email address and telephone number of the agency or office responsible for each permit. For each permit, the applicant must provide a preliminary analysis of whether the permit should or should not be included in and governed by the site certificate.

### Response

Table E-1 identifies the federal, state, and local government permits that may be needed, depending on the route alternative selected, to construct and operate the Project. The Applicant intends to satisfy the EFSC's land use standard, OAR 345-022-0030, by seeking an EFSC determination under ORS 469.504(1)(b).

**TABLE E-1 PERMITS REQUIRED FOR CONSTRUCTION AND OPERATION OF THE PROPOSED PROJECT**

PERMIT	AGENCY	AUTHORITY	DESCRIPTION
<b>Federal</b>			
National Environmental Policy Act (NEPA)	United States Bureau of Land Management (BLM) Department of the Interior Vale District Field Office 100 Oregon Street Vale, OR 97918 541-473-3144 Attn: Shelli Pence spence@blm.gov  National Guard Bureau Oregon Military Department, P.O. Box 14350, Salem, OR 97309 Telephone: 503-584-3551	Federal Land Policy and Management Act of 1976 (Public Law 94-579+); 43 United States Code (U.S.C.) 1761 et seq.; 43 Code of Federal Regulations (C.F.R.) 2800	Right-of-Way (ROW) Grant needed to cross federal lands (BLM or Oregon Military Department) requiring NEPA decision document: Finding of No Significant Impact for Environmental Assessment or Categorical Exclusion
Clean Water Act, Section 404	United States Army Corps of Engineers, Portland Civil Works District 333 SW First Ave 10 <sup>th</sup> Fl Portland, OR 97204-3495 503-808-4510 cenwp-pa@usace.army.mil	Clean Water Act, Section 404 (33 U.S.C. § 1344); 33 C.F.R. §§ 320, 323, 325-28, and 330	A Section 404 Permit will be required if dredge or fill occurs in waters of the United States. This federal process is not within the jurisdiction of Energy Facility Siting Council (EFSC) and therefore should not be included in the site certificate.

PERMIT	AGENCY	AUTHORITY	DESCRIPTION
Notice of Proposed Construction or Alteration (Form 7460.1)	Federal Aviation Administration Attention: Dan Shoemaker Airspace Specialist Seattle Obstruction Evaluation Group Dan.Shoemaker@faa.gov	Federal Aviation Act of 1958 (14 U.S.C. § 44718); 14 C.F.R. § 77	For potential Navy restricted airspace
Notice of Proposed Construction or Alteration (Form 7460.2)	Federal Aviation Administration Attention: Dan Shoemaker Airspace Specialist Seattle Obstruction Evaluation Group Dan.Shoemaker@faa.gov 425-227-2791	Federal Aviation Act of 1958 (14 U.S.C. Section 44718); 14 C.F.R. Section 77	If a Notice of Proposed Construction or Alteration with the FAA is required, then submission of the Supplemental Notice of Actual Construction or Alteration form must be filed within 5 days after construction reaches its greatest height as specified in the No Hazard Determination. No permit will be issued by the FAA. Moreover, given that this federal process is not within the jurisdiction of EFSC, it therefore should not be included in the site certificate.
Request Authorization to Use Reclamation Land, Facilities, and Waterbeds	US Bureau of Reclamation Umatilla Field Office 32871 Diagonal BLVD, Hermiston, OR 97838 541-564-8616	43 C.F.R. § 429.3	Request use authorization for the placement, construction, and use of energy, transportation, water, or telecommunication systems and facilities on or across all Federal property including Reclamation land, facilities, or waterbeds.
Endangered Species Act Section 7 Consultation	United States Fish and Wildlife (USFWS) Paterson Ferry Rd. Irrigon, OR 97844 541-922-4868	16 U.S.C. §1531	Consultation under Endangered Species Act Section 7 will be conducted, if needed, outside of the EFSC process. No permits are anticipated at this time.
<b>State</b>			
Energy Facility Site Certificate	Oregon Department of Energy and Energy Facility Siting Council Attention: Sarah T. Esterson 550 Capitol Street N.E. Salem, OR 97301 Sarah.Esterson@oregon.gov 503-385-6128	ORS 469.300 et seq.; OAR Chapter 345, Divisions 1, 15, 21-24, 26-27	The Project is a "transmission line" as defined in ORS Chapter 469.300(11) and must be authorized through a site certificate issued by EFSC.
Certificate of Public Convenience and Necessity	Oregon Public Utilities Commission 201 High Street SE, Suite 100 Salem, OR 97301 503-378-6600	ORS 758.015	Required if construction of an overhead transmission line will necessitate a condemnation of land or an interest therein.

PERMIT	AGENCY	AUTHORITY	DESCRIPTION
National Pollution Discharge Elimination System (NPDES) 1200-C: Construction Stormwater Discharge Permit	Oregon Department of Environmental Quality - Water Quality Division Attention: Jackie Ray Eastern Region 800 SE Emigrant #330 Pendleton, OR 97801 541-278-4605	Clean Water Act, Section 402 (33 U.S.C. § 1342); 40 C.F.R. § 122; ORS 468 and 468B; OAR Chapter 340, Division 45	An NPDES 1200-C permit is required for construction activities that will disturb 1 or more acres of land with the potential to impact waterways. The Applicant will obtain this permit directly from DEQ. Given that this permit is outside the jurisdiction of EFSC, it should not be included in and governed by the site certificate.
Oversized Load Movement Permit/Load Registration	Oregon Department of Transportation Motor Carriers Transportation Division 550 Capitol Street NE Salem, OR 97301 Christy Jordan Christy.A.Jordan@odot.state.or.us 503-378-6192	ORS Chapter 818.030; OAR Chapter 734, Divisions 51, 82	This permit authorizes oversized loads. Movement of construction cranes and other equipment and materials may require this permit. If needed, the Applicant's contractor will obtain this permit and load registration from the Oregon Department of Transportation before transporting large or overweight equipment. Therefore, this permit should not be included in and governed by the site certificate.
Archeological Excavation Permit	Oregon Parks and Recreation Department, State Historic Preservation Office 725 Summer Street NE, Suite C Salem, OR 97301 Matt Diederich, MAIS mattew.diederich@oregon.gov 503-986-0577	ORS Chapters 97, 358, and 390; OAR Chapter 736, Division 51 (Permit and Conditions for Excavation or Removal of Archaeological or Historical Materials on Private Land	This permit is required if excavation is needed within the boundaries of a known cultural site regardless of land ownership. If disturbance to cultural sites cannot be avoided, a SHPO Archeological Permit will be required to determine if cultural sites are eligible for listing under the National Register of Historic Places (NRHP). An excavation permit will also be required for any data recovery mitigation efforts within an NRHP-eligible site.

PERMIT	AGENCY	AUTHORITY	DESCRIPTION
Water Right Permit of Water Use Authorization	Oregon Water Resources Department Water Rights Section District 5 Attention: Greg Silbernagel 116 SE Dorion Ave Pendleton, OR 97801 541-278-5456	ORS 537; OAR Chapter 690, Divisions 310, 340, 410 and 507	The Applicant does not anticipate the need for a water right or use authorization, and intends to obtain water for Project construction and operation from an existing source with a valid water right. Water could be transported to the site via water trucks from an offsite municipal or commercial source via bilateral agreements. If water for construction and operation is not available from permitted sources, the Applicant will obtain the necessary water right permit or use authorization directly from the Oregon Water Resources Department. Given that this permit, if needed, is outside the jurisdiction of EFSC, it should not be included in and governed by the site certificate.
Permit to Construct a State Highway Approach	Oregon Department of Transportation ODOT District 12 1327 SE Third Street Pendleton, OR 97801 541-276-1241	OAR Chapter 734, Division 51	Access from Oregon state highways requires an access permit, which may be issued by the local Oregon Department of Transportation District Office. If needed, the Applicant's contractor will obtain this permit directly from the Oregon Department of Transportation and therefore this permit should not be included in and governed by the site certificate.
Permit to Occupy or Perform Operations Upon a State Highway	Oregon Department of Transportation ODOT District 12 1327 SE Third Street Pendleton, OR 97801 541-276-1241	OAR Chapter 734, Division 51	Utility installations within the ROW of a state highway in Oregon require a permit issued by the Oregon Department of Transportation. If needed, the Applicant's contractor will obtain this permit directly from the Oregon Department of Transportation and therefore this permit should not be included in and governed by the site certificate.
Permit of Removal/Fill within Waterways and Wetlands	Oregon Department of State Lands 61907 Seven Devils RD P.O Box 5417 Charleston, OR 97420  541-888-5558	ORS 196.795-990	A person or utility is required to have a permit if an activity will involve filling or removing 50 cubic yards or more of material in a wetland or waterway. For sites within a state designated Salmonoid Habitat, Scenic Waterway, and compensatory mitigation site, a permit is required for any amount of removal or fill.

PERMIT	AGENCY	AUTHORITY	DESCRIPTION
<b>Local</b>			
Conditional Use Permit (Morrow County)	Morrow County Planning Department 205 NE Third Street P.O. Box 40 Irrigon, OR 97844 541-922-4624	Section 9.046, 3.010.B.24-25, 3.010.D.10 ORS 215.416	A utility project requires a conditional use permit in the General Industrial (MG) zone. In the Exclusive Farm Use (EFU) Zone, utility project lines are allowed pending a Land Use Decision allowing the use and subject to statutory conditions stated in the decision.
Conditional Use Permit (Umatilla County)	Umatilla County Department of Land Use Planning 216 SE 4 <sup>TH</sup> ST, Pendleton, OR 97801 541-278-6252	Section 152.059, 152.617, 152.769,	A utility project requires a conditional use permit in the industrial zoning districts. The EFU zone requires an administrative review land use decision.
Right of Way Permit (Morrow County)	Morrow County Public Works Department 365 West Highway 74 Lexington, OR 97839 541-989-9500  Eimes@co.morrow.or.us	Section 3.010	A Utility Crossing Permit is required any time a utility is constructed within or across a public right-of-way; an Access Permit may be required if the project access roads intersect with public roads, or needed upgrades to existed access roads affect a public road.
Right of Way Permit (Umatilla County)	Umatilla County Department of Public Works 3920 Westgate Pendleton, OR 97801 541-278-5424	§152.056	A Utility Crossing Permit is required any time a utility is constructed within or across a public right-of-way; an Access Permit may be required if the project access roads intersect with public roads, or needed upgrades to existed access roads affect a public road.
Zoning Permit (Morrow County)	Morrow County Planning Department 205 NE Third Street P.O. Box 40 Rural Address Irrigon, OR 97844 541-922-4624	ORD-2017-4	If the use is permitted outright on the subject property, a zoning permit is required for new construction and additions or after a land use permit decision is obtained. Include the appropriate fee as stated on the form, completed site plan and signatures of ALL property owners. (Required for all structures over 100 sq. ft.)
Zoning Permit (Umatilla County)	Umatilla County Department of Land Use Planning 216 SE 4TH ST, Pendleton, OR 97801 541-278-6252	UCDC 152.025	If the use is permitted outright on the subject property, a zoning permit is required for new construction and additions or after a land use permit application is obtained.

## EXHIBIT F. PROPERTY OWNERSHIP

### OAR 345-020-0011(1)(f)

(f) **Exhibit F.** A list of the names and mailing addresses of property owners, as described in this rule:

(A) The list must include all owners of record, as shown on the most recent property tax assessment roll, of property located:

(i) Within 100 feet of property which the subject of the NOI, where the subject property is wholly or in part within an urban growth boundary;

(ii) Within 250 feet of property which is the subject of the NOI, where the subject property is outside an urban growth boundary and not within a farm or forest zone; or

(iii) Within 500 feet of property which is the subject of the NOI, where the subject property is within a farm or forest zone; and

(B) In addition to incorporating the list in the NOI, the applicant must submit the list to the Department in an electronic format acceptable to the Department.

### Response

A list of the names and mailing addresses of Umatilla and Morrow County owners of record of property located within 250 or 500 feet of the properties in accordance with OAR 345-020-0011(1)(f) crossed by the proposed Project Site Boundary is provided in Table F-1 of Attachment B and shown on Figure F-1, Attachment C. The tax lot data was obtained from Umatilla County and Morrow County on September 7, 2023.

Whether the 250 foot or 500 foot area was used depends on the zoning of the parcels crossed by the Site Boundary as follows:

*Zoning where 250 Foot Parcel Buffer was used:*

- *Umatilla County*
  - *Light Industrial (LI)*
  - *Depot Industrial (DI-U)*
  - *Light Industrial-Limited Use (LI/LU)*
- *Morrow County*
  - *Port Industrial (PI)*
  - *General Industrial (MG)*

*Zoning where 500 Foot Parcel Buffer was used:*

- *Umatilla County*
  - *Exclusive Farm Use (EFU)*
  - *Exclusive Farm Use/Aggregate Resource (EFU/AR)*
- *Morrow County*
  - *Exclusive Farm Use (EFU)*

## EXHIBIT G. PROJECT MAPS

### OAR 345-020-0011(1)(g)

(g) **Exhibit G.** A map or maps showing:

#### Response

Figure G contains a series of maps (Figure G-1 through G-4) showing the information required under OAR 345-020-0011(1)(g). These figures are further described in the responses below.

(A) *The proposed locations of the energy facility site, all related or supporting facility sites and all areas that might be temporarily disturbed during construction of the facility in relation to major roads, water bodies, cities and towns, important landmarks and topographic features;*

(B) *The proposed locations of the corridors the applicant has identified under subsection (d) in relation to major roads, water bodies, cities and towns, important landmarks and topographic features;*

#### Response

Attachment C, Figure G-1 shows the location of the Project Site Boundary in relation to major roads, waterbodies, cities and towns, important landmarks, and topographic features.

(C) *The study areas for the proposed facility as defined in OAR 345-001-0010;*

(D) *The topography of the study areas including streams, rivers, lakes, major roads and contour lines;*

#### Response

Attachment C, Figure G-2 shows the boundaries and topography (including streams, rivers, lakes, major roads, and contours) of the study areas for protected areas (20 miles), scenic resources and public services (10 miles), recreational opportunities (5.0 miles), threatened and endangered plant and animal species areas (5.0 miles), land use (0.5 mile), and fish and wildlife habitat (0.5 mile). The Applicant developed this map to correspond with the study areas defined under OAR 345-001-0010(35). The Applicant understands that the Oregon Department of Energy will formally establish these study areas in the Project Order.

(E) *All protected areas in the study area as defined in OAR 345-001-0010 for impacts to protected areas;*

#### Response

Attachment C, Figure G-3 shows protected areas in the 20-mile study area as defined in OAR 345-001-0010(35) and as designated in OAR 345-022-0040.

(F) *The location of any potential waters of the state or waters of the United States that are on or adjacent to the site; and*

**Response**

Attachment C, Figure G-4 shows the locations of any potential waters of the state or waters of the United States that are on or adjacent to the Project site.

(G) *For energy generation facilities, the approximate locations of any other energy generation facilities that are known to the applicant to be permitted at the state or local level within the study area as defined in OAR 345-001-0010 for impacts to public services.*

**Response**

The Project is not an energy generation facility, and therefore, this section does not apply.

## **EXHIBIT H. NON-GENERATING ENERGY FACILITY**

**OAR 345-020-0011(1)(h)**

(h) **Exhibit H.** *If the proposed facility is a non-generating energy facility for which the applicant must demonstrate need under OAR 345-023-0005, identification of the rule in division 23 of this chapter under which the applicant intends to demonstrate need and a summary statement of the need and justification for the proposed facility.*

**Response**

The need for the project has been identified in UEC's 2023 Long Range Plan (LRP). UEC's 2023 LRP outlines capital improvements to meet transmission forecasts. UEC has an obligation to provide safe, reliable electricity to its members at an affordable cost. The 2023 LRP forecasts a system capacity increase of 33% on an annual average (for five years; 2023-2027). This Project will provide transmission system interconnection between the Boardman and Hermiston areas and expand UEC's 230-kV transmission system to increase reliability, provide a transmission path for renewable energy across the region, and establish an electrical grid capable of meeting the increasing demands of local communities, businesses, and industries within UEC's Service Territory. The Project will also ensure continued compliance with the North American Electric Reliability Corporation standards. In summary, the Project meets the system reliability rule for electrical transmission line need standards under OAR 345-023-0030.

This project will be designed and operated in a manner that supports continued system growth and will accommodate potential construction of additional service locations that will require ancillary facilities such as switchyards, substations, transmission, distribution, and/or other interconnection infrastructure.



## EXHIBIT I. LAND USE

### OAR 345-020-0011(1)(i)

(i) **Exhibit I.** A statement indicating whether the applicant intends to satisfy the Council's land use standard, OAR 345-022-0030, by obtaining local land use approval under ORS 469.504(1)(a) or by seeking a Council determination under ORS 469.504(1)(b).

#### Response

The Applicant intends to satisfy the EFSC's land use standard, OAR 345-022-0030, by seeking an EFSC determination under ORS 469.504(1)(b). The Applicant seeks a determination by EFSC of compliance with land use standards from Umatilla and Morrow Counties.

## EXHIBIT J. ENVIRONMENTAL IMPACTS

### OAR 345-020-0011(1)(j)

(j) **Exhibit J.** Identification of potential significant environmental impacts of construction and operation of the proposed facility on resources in the study areas, including those impacts affecting air quality, surface and ground water quality and availability, wildlife and wildlife habitat, threatened and endangered plant and animal species, historic, cultural and archaeological resources, scenic resources, recreation opportunities, land use, and wildfire risk.

#### Response

This exhibit identifies potential environmental impacts of construction and operation of the proposed Project on the study areas. Responses are organized into the following sections:

- Air Quality
- Surface and Groundwater Quality and Availability (includes wetlands and waters of the state and United States)
- Wildlife and Wildlife Habitat (study area, as defined in OAR 345-001-0010(35)(c), is 0.5 mile)
- Historic, Cultural, and Archaeological Resources (study area is within the Project Site Boundary)
- Scenic and Aesthetic (study area for scenic and aesthetic resources is 10 miles, as defined in OAR 345-001-0010(35)(b))
- Land Use (study area, as defined in OAR 345-001-0010(35)(c), is 0.5 mile)
- Wildfire Risk (0.5 mile study area)

Per OAR 345-001-0010(35)(g), the study areas for threatened and endangered plant and animal species and recreation resources are not defined for transmission facilities. For the purposes of this NOI, a 0.5-mile boundary for threatened and endangered plant and animal species and a 3.0-mile study area for recreation resources will be included in the ASC.

## **Air Quality**

During construction, operation of gasoline and diesel fuel engines in land-clearing/grading equipment, cranes, bulldozers, and various types of trucks and cars could result in minor air quality impacts in the vicinity of the project. Dust can be created directly from the activities involved in construction, such as vegetation removal, grading, and vehicles and equipment moving on unsurfaced roads. Impacts from vehicle operation and fugitive dust will be controlled by applying the appropriate control measures (e.g., watering unpaved roads, covering piles). The project will result in no air emissions during operation and does not require permits from the Oregon Department of Environmental Quality.

Maintenance activities will be infrequent. Where maintenance is required, there would be operation of gasoline and diesel fuel engines in cranes, personnel hoists, or various types of trucks and cars. There could be a very minor amount of fugitive dust generated. Emissions generated during maintenance would be localized, temporary, and would not require an air permit from the Oregon Department of Environmental Quality.

## **Surface And Groundwater Quality And Availability**

### Surface Waters

A desktop analysis was conducted to determine the presence of surface water resources within the Project Site Boundary. The following data sources were reviewed:

- Oregon Wetlands Database (Oregon Natural Heritage Program [ONHP] 2019)
- United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (USFWS 2023a)
- United States Geological Service (USGS) National Hydrography Dataset (USGS 2023)
- Federal Emergency Management Agency (FEMA) Floodplain data (FEMA 2022)

Surface waters mapped in the Project Site Boundary include the Westland A canal, the West Extension Irrigation Canal, an unnamed canal, freshwater ponds, and freshwater emergent wetlands. The portion of the Project Site Boundary in Morrow County is located in Flood Zone X (area of minimal flood hazard) (FEMA 2022). A flood hazard analysis has not been conducted in the portion of the Project Site Boundary in Umatilla County.

An on-site delineation of wetlands and other surface waters will be completed prior to Project construction to identify the presence of regulated surface waters within the Project Site Boundary. The delineation will be conducted to meet requirements under the Oregon Removal/Fill Law (ORS 196; OAR Chapter 141, Division 85) and Section 404 of the Clean Water Act. Exhibit J in the ASC will contain a detailed discussion of the potential impacts to potentially jurisdictional wetlands and waters identified in the on-site

delineation, including required mitigation and permitting (if any). The Project would be designed to span and avoid impacts to surface waters to the extent possible.

**TABLE J-1 WETLANDS CROSSED BY PROJECT BY DISTANCE**

WETLAND TYPE	ALTERNATIVE ROUTE DISTANCE OF WETLANDS CROSSED (FEET)			
	ROUTE A	ROUTE B	ROUTE C	ROUTE D
Freshwater Emergent Wetland	-	1,535	-	-
Unknown (More Oregon Wetlands)	-	173	-	531

Impacts to surface water quality during construction will be minimized through implementation of erosion and sediment control BMPs, such as silt fencing, check dams, and mulching. BMPs will be installed and maintained in accordance with the Project’s Stormwater Pollution Prevention Plan and Erosion and Sediment Control Plan. All water used during construction of the Project would be obtained off-site from commercial or municipal sources. No new water rights or water wells would be required. The primary uses of water during construction will be for dust control and the preparation and installation of concrete foundations for transmission line structures. The Project is not expected to impact surface water availability.

Ground Water

The Project is located within the Lower Umatilla Groundwater Management Area. Geotechnical investigations will be conducted prior to construction in areas where Project facilities are proposed to characterize the geologic composition and areas of shallow groundwater. Micrositing of facilities would occur to avoid or minimize impacts on areas of shallow groundwater. If shallow groundwater is discovered during drilling, state standards for abandoning drill holes would be adhered to. Adverse impacts on groundwater quality would be avoided through the use of spill prevention measures and other BMPs.

All water used during construction of the Project would be obtained from commercial or municipal sources. No new water rights or water wells would be required. Therefore, water used for construction of the Project is not anticipated to affect existing groundwater levels.

**Wildlife and Wildlife Habitat**

The following data sources were reviewed to identify the wildlife habitats and species that may be present in the study area (0.5 mile buffer of the Project Site Boundary):

- Ecological Systems (ONHP 2010)
- Strategy Habitats (Oregon Department of Fish and Wildlife [ODFW] 2015)
- Deer and Elk Winter Range for Eastern Oregon (ODFW 2012)

- Oregon Biodiversity Information Center (ORBIC) Biodiversity Report for the watersheds that intersect the study area (i.e., Umatilla River, Fourmile Canyon, Paterson Slough-Lake Umatilla, Whitcomb Island-Lake Umatilla watersheds; ORBIC 2018).

Primary ecological systems in the study area are Agriculture – Irrigated, Big Sagebrush Shrubland, and Big Sagebrush – Bunchgrass Steppe (ONHP 2010). Strategy Habitats identified in the Oregon Conservation Strategy that occur in the study area include Sagebrush Habitats, Grasslands, and Wetlands (ODFW 2015). The ORBIC Biodiversity Report identifies one amphibian, 33 birds, 13 mammals, four reptiles, and two fish as occurring or having potential to occur in the watersheds that intersect the study area (ORBIC 2018). Sixteen of these species are identified as Strategy Species in the Oregon Conservation Strategy (ODFW 2016). Deer and elk winter range does not occur in the study area (ODFW 2012).

Field surveys will be completed within the Project Site Boundary to confirm the results of the desktop analysis and support preparation of Exhibit P in the ASC. Pedestrian surveys using parallel transects will be used to document locations of special status wildlife, general wildlife, and wildlife habitat. Transect routes will cover a representative cross section of all major topographic (slopes, draws, benches, ridges) and special features (wet areas, rock out crops, riparian areas, etc.). All wildlife species encountered and indications of presence, and all wildlife habitats and landscape features within and adjacent to the Project Site Boundary will be recorded.

The primary impacts of the Project on wildlife are anticipated to be temporary. Due to the majority of the route being along a major interstate, the permanent habitat loss/modification and temporary noise and visual disturbance during construction will minimally contribute to pre-existing habitat impacts. Specific mitigation measures will be developed to avoid or minimize potential impacts to wildlife species and habitats, such as minimizing ground disturbance, seasonal avoidance, and reclamation of temporary disturbance areas.

## **Threatened and Endangered Plant and Animal Species**

The following data sources were reviewed to identify the threatened and endangered plant and animal species that may be present in the study area (0.5 mile buffer of the Project Site Boundary):

- List of federal Endangered Species Act (ESA)-listed species with potential to occur in the study area (USFWS Information for Planning and Consultation [IPaC] database; USFWS 2023b).
- List of state threatened, endangered, and candidate fish and wildlife species with potential to occur in the study area (ODFW 2021)
- List of state endangered and threatened plant species for Morrow and Umatilla Counties (Oregon Department of Agriculture 2022)
- Washington ground squirrel (*Urocitellus washingtoni*) habitat concentration areas (Washington Wildlife Habitat Connectivity Working Group 2012)

- Occurrence location data for species of concern within two miles of the study area (Oregon Biodiversity Information Center [ORBIC] 2022)
- Herbarium specimen location data (Consortium of Pacific Northwest Herbaria 2023)

Federally listed species

The USFWS IPaC list (USFWS 2023b) identified three species listed as endangered, threatened, or candidate for listing under the ESA as potentially occurring in the study area (Table J-2): gray wolf (*Canis lupis*), bull trout (*Salvelinus confluentus*), and monarch butterfly (*Danaus plexippus*).

The study area is located in the ODFW East Wolf Management Zone where gray wolves are listed as federally endangered. ODFW designates Areas of Known Wolf Activity, which represent areas where resident wolves and/or packs have become established. Gray wolves have low potential to occur in the study area as no Areas of Known Wolf Activity occur in or near the Project study area (ODFW 2022b). If present, temporary disturbance to wolves could occur during construction or maintenance and could result in temporary avoidance of those areas.

Bull trout are present in the Umatilla River, which is located immediately east of the study area (ODFW 2005). However, the Project is not expected to cross or otherwise impact the Umatilla River, therefore this species is not discussed further.

Monarch butterflies have potential to occur throughout the study area wherever milkweed (*Asclepias* spp.) occurs. Milkweed is the host species for monarch caterpillars. Vegetation clearing for construction of the Project could result in the loss of minimal amounts of milkweed and foraging/nectar plants, but would not be expected to result in significant impacts on breeding or migrating monarch butterflies. Monarch butterfly is currently listed as a candidate species for listing under the ESA. Candidate species receive no formal protection per the ESA, but could be protected in the future if the species becomes listed.

**TABLE J-2 THREATENED AND ENDANGERED SPECIES WITH POTENTIAL TO OCCUR IN THE STUDY AREA**

SPECIES NAME	REGULATORY STATUS <sup>1</sup>	HABITAT	OCCURRENCE LIKELIHOOD
<b>Plants</b>			
Lawrence's milkvetch ( <i>Astragalus collinus</i> var. <i>laurentii</i> )	State Threatened	Sandy or rocky soils overlaying basalt on dry slopes in bunchgrass-dominated plant communities, mostly from 2,000 to 3,400 feet.	Moderate- Suitable habitat present, but not known to occur within 2.0 miles of the study area.
Northern wormwood ( <i>Artemisia campestris</i> var. <i>wormskioldii</i> )	State Endangered	Basalt, compacted cobble, and sand on the banks of the Columbia River.	Unlikely- Suitable habitat not present; species thought to be extirpated in Oregon.

SPECIES NAME	REGULATORY STATUS <sup>1</sup>	HABITAT	OCCURRENCE LIKELIHOOD
<b>Animals</b>			
Gray wolf ( <i>Canis lupis</i> )	Federal Endangered	Habitat generalists; historically were distributed state-wide.	Low- No Areas of Known Wolf Activity occur in or near the study area.
Bull trout ( <i>Salvelinus confluentus</i> )	Federal Threatened	Spawn in cold, clean streams, often within headwater reaches.	None- No perennial streams or other waterbodies are present that could potentially support bull trout.
Monarch butterfly ( <i>Danaus plexippus</i> )	Federal Candidate	Larval stage obligate to host plant—milkweeds ( <i>Asclepias</i> spp.), growing in a variety of open habitats including agricultural areas, disturbed areas, grasslands, and meadows.	Moderate- Suitable habitat occurs in the study area if milkweed is present.
Washington ground squirrel ( <i>Urocitellus washingtoni</i> )	State Endangered	Shrub-steppe or grassland habitat, in deep, loose, sandy loam soil suitable for burrows and with abundant forbs.	High- Suitable habitat is present on the UCDDTA and other unplowed soils in the study area. Occurs on the nearby Boardman Bombing Range.

### State-listed species

Two state-listed species have potential to occur in the study area (Table J-2)- Lawrence’s milkvetch (*Astragalus collinus* var. *laurentii*) and Washington ground squirrel.

Based on a review of the ORBIC occurrence data (ORBIC 2022), Lawrence’s milkvetch is not known to occur within 2.0 miles of the study area. The closest herbarium records for the species are from seven miles east of the study area (Consortium of Pacific Northwest Herbaria 2023). Suitable habitat for Lawrence’s milkvetch is present in the non-agricultural portions of the study area. Presence/absence surveys will be completed prior to construction to determine if occupied habitat is present in the Project area.

The most densely occupied Washington ground squirrel territories in Oregon occur on the Boardman Bombing Range (Naval Weapons Systems Training Facility Boardman) and the adjacent Boardman Conservation Area, managed by The Nature Conservancy (USFWS 2004). The Boardman Bombing Range is located approximately 1.0 mile southwest of the study area and is identified as a Washington ground squirrel habitat concentration area. Habitat concentration areas are defined as significant habitat areas that are expected or known to be important for a species based on survey data or habitat association modeling (Washington Wildlife Habitat Connectivity Working Group 2012). Additional habitat concentration areas within the study area are identified on the UCDDTA. Presence/absence surveys will be completed prior to construction to determine if occupied habitat is present in the Project area. Figure J-1, Attachment C shows Washington ground squirrel habitat in the Project area.

Field survey results will support preparation of Exhibit Q in the ASC. The primary impacts of the Project on state-listed threatened and endangered species are anticipated to be temporary and permanent habitat loss/modification and temporary noise and visual disturbance during construction. Other potential impacts include habitat fragmentation, mortality, increased predation, and fugitive dust. Specific mitigation measures will be developed to avoid or minimize potential impacts to threatened and endangered species and habitats, such as minimizing ground disturbance, seasonal avoidance, buffer zones, and reclamation of temporary disturbance areas. Micrositing and adoption of BMPs will avoid or reduce the potential for significant impacts to threatened and endangered species and habitats.

## **Historic, Cultural, and Archaeological Resources**

To determine the extent of cultural resources within the Project Study Area, a review of several online databases and maps was conducted. Sources included the online State of Oregon Archaeological Records Remote Access (OARRA) service as well as the Oregon historic sites database National Register of Historic Places (NRHP). An examination was performed of historical USGS topographic maps and Bureau of Land Management (BLM) General Land Office historic survey maps.

These data and maps were reviewed to establish whether there are specific cultural resources located within the footprint and buffer zones for Project facilities (transmission-line route alternatives). Based on these sources, the number of cultural resources and their general locations in relation to the Study Area were determined. Specific location information for prehistoric archaeological sites and certain types of historic-era sites (such as non-prehistoric human burials) are shielded from public view, and the exact locations of cultural resources classified as confidential cannot be provided here, in compliance with Section 304 of the National Historic Preservation Act (of 1966, as amended) and Section 9 of the Archaeological Resources Protection Act (1979), but is being used in the routing and siting process as well as design and engineering for the Project.

A literature and records search for previously completed cultural resources inventory projects and previously recorded cultural resources sites located within the Project Study Area was conducted in August 2022 by POWER Engineers, Inc. archaeologist Choya Davis through the OARRA online data repository. The searches identified a total of 23 previously identified cultural resource sites located at or within 1.0 mile of the four alternative routes. Of these sites, three are crossed by all four Alternatives. . These sites include 35UM 00489 (the UCDDTA site [not yet evaluated for significance]), 35UM 00497, and 35UM 00499 (the 1932 Metsker Road [considered not eligible]). The following site is only crossed by Alternative routes B and C, 35UM 00497B (the 1875 General Land Office road - Umatilla Cutoff. [considered eligible]). Sites that have been recorded within 1.0 to 500 feet of the four alternative routes include 35UM 00495 (the UCMD Can Scatter #1[not yet evaluated for significance]), and 35UM 00496 (the UCMD Historic Debris scatter [considered not eligible]).

SHPO may recommend that one or more of the route alternatives be field surveyed to determine if previously unrecorded cultural resources exist along the route. The report, once completed, must be filed with SHPO. The report must indicate if archaeological monitoring is needed during construction. If any historic, cultural, or archaeological

resources are found during the field investigation, the Applicant will undertake the appropriate actions to avoid impacting observable or buried cultural resources during construction, and/or, mitigate impacts to NRHP-eligible archaeological or historical sites. Any archaeological sites discovered during the investigation will be officially recorded and filed with SHPO.

## Scenic and Aesthetic

Scenic and aesthetic resource data was collected within the study areas defined in OAR-345-0010(35)(b) and in accordance with OAR-345-022-0080.

A review of scenic resources identified as significant or important in local land use plans, tribal land management plans and federal land management plans indicates that there are several scenic resources within 10 miles of the Project Site Boundary, but there are none within the Project Site Boundary. Visual impacts are expected to be low or would not occur due to the distance and visual contrasts created by the project. The applicant will perform a detailed assessment of the potential effects of the Project on areas identified and managed as scenic resources as part of the ASC. Table J-3 summarizes important scenic resources within 10 miles of the Project Site Boundary. Figure J-2, Attachment C, shows scenic areas within the 10-mile study area.

**TABLE J-3 SCENIC RESOURCES WITHIN 10 MILES OF PROJECT SITE BOUNDARY**

AGENCY	LAND USE PLAN	SCENIC RESOURCE IN STUDY AREA
<b>Federal</b>		
Bureau of Land Management (BLM)	Baker City Resource Management Plan (RMP) & Medford District RMP (BLM 2016)	Oregon Trail Area of Critical Environmental Concern (ACEC) parcel
	Proposed Spokane District Resource Management Plan Amendment Final Environmental Impact Statement (BLM 1992)	None
	John Day Basin RMP 2015	None
<b>Local/Incorporated Areas</b>		
Umatilla County	Umatilla County Comprehensive Plan (Umatilla County 1983)	Lake Wallula
		Lake Umatilla
Morrow County	Morrow County Comprehensive Plan (Morrow County 1986)	None
City of Hermiston	City of Hermiston Comprehensive Plan (2021)	None
<b>Other Important Scenic Resources</b>		
National Park Service	N/A	Lewis and Clark National Historic Trail

<sup>1</sup> Also a National Recreation Trail

The relevant and important values of the Oregon Trail Area of Critical Environmental Concern (ACEC) parcel are historic and scenic. The Baker City Resource Management Plan (RMP) (BLM 1989) states that seven parcels of public lands with remnants of the Oregon National Historic Trail (1,495 acres) are designated as an ACEC to “preserve the



unique historic resource and visual qualities of these areas.” New uses incompatible with maintaining visual qualities or providing public interpretation will be excluded in a 0.5-mile corridor, and ROWs will avoid the Oregon Trail. The ACEC is managed as VRM Class II. The Oregon Trail ACEC parcel includes an Oregon Trail interpretive site. VRM Class II areas are also located along the Columbia River.

Other locations were identified in the Umatilla Comprehensive Plan Technical Report as potentially sensitive views that may “justify limits to conflicting land uses” based on scenery. These areas will be included in the ASC as key viewpoints. Potentially sensitive viewpoints located in the study area include Lake Wallula and Lake Umatilla.

Neither Morrow County nor the City of Hermiston identify scenic areas in their respective Comprehensive Plans.

Another site that is potentially visually sensitive in the study area is the Lewis and Clark National Historic Trail. The Lewis and Clark National Historic Trail follows the Columbia River within approximately 5.0 miles of the Project Site Boundary.

## **Recreation**

The study area for recreation resources consists of a 3.0-mile buffer around the Project Site Boundary. Per OAR 345-001-0010(35)(g), the study areas for recreation resources are not defined for transmission facilities. For the purposes of this NOI, a 3.0-mile study area for recreation resources will be included in the ASC.

In general, recreational activities in the area are typically associated with the Columbia River corridor, local parks and recreation areas within Hermiston and Boardman, and regional tourist activities associated with sightseeing, hunting, fishing, watersport, and other activities. There are very limited recreational opportunities or designated areas within the study area. The majority of the land in the study area is privately owned that limits access to recreational activities by the general public.

The Columbia River (Lake Umatilla) provides boating, fishing, and other watersport activities within the study area. The Lewis and Clark National Historic Trail is also located along the Columbia River within the study area. The Coyote Springs Wildlife Area is located within the study area approximately 2.2 miles west of Boardman. Riverfront Center/Columbia Ave Park is a privately owned soccer field located with Boardman within the study area that is open to the public and managed by the Port of Morrow. Riverfront Park, a City of Hermiston recreational park, is the only locally managed park within the study area. Figure J-3, Attachment C, shows recreational areas within the three-mile study area.

## **Land Use**

The study area for land use consists of the area within the Project Site Boundary plus a surrounding 0.5-mile buffer, in accordance with OAR 345-001-0010(59)(c).

Land use data was collected from sources available in the public domain such as Geographic Information System (GIS) data and general plans for UEC and the

communities of Umatilla and Morrow County. Within the Project Study Area, the following were evaluated:

- Local government land use plans:
  - Umatilla County Comprehensive Plan (Umatilla County 2018)
  - Morrow County Comprehensive Plan (Morrow County 1986)
- Existing and planned land uses including agricultural, commercial, industrial, federal, and residential uses.
- Zoning districts.
- Parks and recreation areas.
- Transportation facilities including interstates, interstate buffers, local/residential streets, railroads, and heliports.
- Public utilities including substations, transmission lines, overhead distribution lines, and proposed utility easements.
- Jurisdiction and land ownership, including parcel data.

Throughout the Study Area, much of the land is privately owned and zoned either for Farm or industrial use. The zoning districts include the following: EFU, EFU/AR, LI, DI, PI, and MG. The Study Area also includes federal lands that are managed by the US Military as well as Special Use Airspace managed by the US Navy. The study area also includes a portion of Highway 730, I-82, I-84, railroads, and local/residential roads. The remaining lands serve a mixture of low-density residential, commercial, industrial, agricultural, and recreational purposes. The majority of the land used for industrial purposes is for agriculture and a smaller portion is used for extractive mining operations. The study area also includes portions of Camp Umatilla Oregon, managed by the Oregon Army National Guard and Oregon Military Department, that was part of former Umatilla Army Depot.

Zoning districts crossed by all alternative routes are listed in Table J-4. Figure J-4, Attachment C, shows zoning within the study area.

**TABLE J-4 ZONING DISTRICTS CROSSED BY ALTERNATIVE ROUTES CORRIDORS (MILES)**

ZONING DISTRICT	ROUTE A	ROUTE B	ROUTE C	ROUTE D
<b>Rural Farm Residential Zoning Districts</b>				
<b>Morrow County</b>				
Exclusive Farm Use (EFU) Morrow County	5.12	5.55	4.86	5.25
<b>Industrial Zoning Districts</b>				
<b>Umatilla County</b>				
Light Industrial (LI) Umatilla County	0.08	0.08	0.08	0.08
Depot Industrial (DI-U) Umatilla County	2.73	2.77	2.73	2.77

ZONING DISTRICT	ROUTE A	ROUTE B	ROUTE C	ROUTE D
<b>Morrow County</b>				
Port Industrial (PI) Morrow County	4.84	5.61	5.61	5.61
General Industrial (MG) Morrow County	0.35	0.33	0.19	0.18
<b>ROW</b>				
Un- Zoned (Roads and Railroad ROWs) Morrow County	0.02	0.06	0.55	0.07

Note: Due to rounding, sum of distances crossed may not reflect end-to-end route length.

## Wildfire Risk

To determine the extent of wildfire risk within the Project Study Area, a review of several online databases including the Oregon Wildfire Risk Explorer developed by Oregon Department of Forestry (currently under revision as a result of Senate Bill 762) and UEC’s 2023 *Wildfire Mitigation Plan* were reviewed against the proposed Project.

Generally speaking, fire season in Oregon lasts from June through the end of October. Historically, most large fires have occurred along the Columbia River where dry rangeland grasses and shrubs provide an easily ignitable and continuous fuel source. These grass and brush fires are a regular occurrence and tend to cover large areas very quickly. While low intensity grass and rangeland fires are more common, forest fires do occur in the higher elevations in the Blue Mountains of northeastern Oregon.

The Project is located in a mix of burn probability areas, ranging from “Non-combustible/Urban/Barren Ag/Water” to “High.” High and Moderate-High burn probability areas within the 0.5-mile Site Boundary buffer are concentrated primarily within the Depot, around the Ordnance Switchyard, and some areas immediately south of I-84 (Figure J-6).

The Wildfire Hazard Potential map (Figure J-7) data is from the US Department of Agriculture Forest Service, Fire Modeling Institute and depicts the relative potential for wildfire that would be difficult for suppression resources to contain. The 2018 version was built upon spatial datasets of wildfire likelihood and intensity generated in 2016 with the Large Fire Simulator, as well as spatial fuels and vegetation data from LANDFIRE 2012 and point locations of past fire occurrence. The wildfire potential is predominantly low over the majority of the proposed Project area. The risk increases to moderate over a section of the Depot property (Figure J-7). The Wildfire Hazard Potential shown on Figure J-7 is consistent with UEC’s 2023 *Wildfire Mitigation Plan*.

The proposed project will be designed, constructed, and operated in compliance with the approved UEC *Wildfire Mitigation Plan*. The *Wildfire Mitigation Plan* is updated annually in accordance with OAR 860-300-0020, and provides a framework for fire protection resources and emergency response procedures to be used or followed. The approved *Wildfire Mitigation Plan* will be updated to reflect the proposed Project and address all requirements in Section OAR 345-022-0115 and approved by EFSC.

## EXHIBIT K. COMMUNITY SERVICE IMPACTS

### OAR 345-020-0011(1)(k)

(k) **Exhibit K.** Information about significant potential adverse impacts of construction and operation of the proposed facility on the ability of communities in the study area to provide the services listed in OAR 345-022-0110.

#### Response

This exhibit provides summary-level information about potential significant adverse impacts of construction and operation of the proposed Project on the ability of communities in the study area (10 miles pursuant to OAR 345-001-0010(35)(b)) to provide sewers and sewage treatment, water, stormwater drainage, solid waste management, housing, traffic safety, police and fire protection, health care, and schools. Additional analysis of potential impacts to each of these community services resulting from construction and operation of the Project will be included in the ASC. Figure K-1, Attachment C, shows community services within the 10-mile study area.

#### **Sewers And Sewage Treatment**

During construction, sanitary waste will be collected onsite in portable toilets. Community sewer systems are not required and, therefore, significant adverse impacts to community sewer systems are not anticipated.

#### **Water**

During Project construction, water will only be obtained from permitted sources with adequate water rights. Therefore, public water systems will not be adversely affected by the construction or operation of the Project. No water will be used for the operation and maintenance of the transmission line.

#### **Stormwater Drainage**

The 230-kV transmission line will be constructed with steel pole structures. Therefore, the construction of the Project will not result in large, new, impervious areas that generate significant stormwater runoff. Stormwater runoff will be addressed in the applicable Stormwater Pollution Prevention Plans and Erosion Control Plans developed for the project in accordance with federal, state, and local requirements. Stormwater BMPs will be implemented to minimize the effects of stormwater drainage on water and soil resources. During project construction, the following BMPs will be implemented:

- Any areas of disturbance will contain all spoils to avoid any impacts to wetlands or waterways.
- Standard erosion control measures would be implemented when working within 100 feet of field-verified surface water features if there is any chance for stormwater runoff from the disturbed area to reach the water feature.

- No work will be conducted within the ordinary high-water mark of any waterway.
- No impacts (including fill, discharge, or ground disturbance) to waterways are permitted.
- Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited.

## **Solid Waste Management**

Solid waste disposal for the Project during construction and operations will be provided through a private contract with a local commercial hauler (or haulers) and is not anticipated to disrupt services already being provided to local communities. The disposal site closest to the Project Site Boundary is the North Morrow County Transfer Station located on 69900 Frontage Lane east of the Town of Boardman. There are approximately seven waste facilities and one landfill within the 10-mile study area as shown on Figure K-1, Attachment C.

## **Housing**

The proposed Project is not anticipated to have an adverse impact on or create a major demand for housing. The majority of construction workers are expected to come from the region and will not require temporary housing during the construction period. Construction workers hired from outside the area will lodge at motels or other rental units. The alternative route corridors are near the City of Hermiston, which provides sufficient temporary housing. Any transient workers would benefit the local communities by renting housing for the construction duration.

## Construction

During construction, a peak construction workforce of approximately 50 to 60 workers will be employed. On average, the construction workforce will consist of approximately 20 to 30 workers. Most construction workers will be employees of construction and equipment companies under contract to the Applicant. Workers will include a mix of local and nonlocal personnel, with nonlocal personnel more likely for specialized construction (for example, electrical transmission construction). Thus, some construction workers are expected to come from outside of the study area and will require temporary housing. Construction workers hired from areas outside a commutable distance will likely stay in local motels, trailer parks, or other rental units during their stay. The increased demand created by construction workers could potentially impact temporary housing in the vicinity of the Project if an adequate supply is unavailable. Local hiring may be greater and will depend on the availability of workers with appropriate skills. Additional workers may commute daily from communities outside the Project study area which will lessen the impacts associated with the in-migration of outside workers.

Typical housing options for temporary workers include motels, hotels, apartments, short-term rental homes, and campgrounds or other areas where workers can park trailers or other mobile housing. There are 14 hotels or motels within the vicinity of the Project

study area. In addition, there are numerous RV parks and campgrounds in the vicinity. Workers from outside the area will benefit the community and local businesses by renting rooms, eating at local restaurants, and purchasing goods and services.

### Operations

No permanent personnel will be employed at the site, therefore; this section is not applicable.

### **Traffic Safety**

The primary transporter route is assumed to carry the majority of construction-related heavy-duty and light-duty delivery vehicles, as well as some workforce traffic. This route will likely begin from either east or westbound along I-84.

During construction, trucks will be accessing the Project on these transportation corridors. Heavy-duty trucks will carry Project components as well as gravel and other materials required to improve or construct access roads from existing roadways. Lighter-duty trucks will also deliver water, electrical equipment, and other materials. Construction-related vehicles are not expected to cause traffic safety or traffic delays due to the rural nature of the area. Any improvements, if necessary, to county or state roads will be restricted to areas within the county and state ROWs and subject to approval by the applicable agency. If necessary, a traffic management plan will be developed in cooperation with the Oregon Department of Transportation, Morrow County, Umatilla County, and the local municipalities to minimize impacts to traffic safety. In addition, the Applicant will enter into road use agreements with Morrow County and Umatilla County to ensure that public roads impacted by construction will be left in “as good or better” condition than that which existed prior to the start of construction.

An analysis of traffic generated from both construction and operation of the Project will be included in the ASC.

### **Police And Fire Protection**

Police service is primarily provided by city police departments in the vicinity of the Project as well as Umatilla and Morrow County Sheriffs. Additional law enforcement service is available through the Oregon State Police, which has offices in Hermiston (Oregon.gov 2023). The number of new temporary and permanent employees is not anticipated to place significant new demands on law enforcement agencies in the area. The Applicant will work with the local fire departments to determine which entity will provide fire protection within the Project Site Boundary. The Applicant will provide construction plans and phasing information to both entities and identify the location of Project structures and their points of access. The Project will be equipped with fire protection equipment in accordance with the Oregon Fire Code. Given the inherent fire safety features of Project components and the relatively small number of new temporary and permanent residents, significant new demands on fire protection resources are not anticipated. There are approximately 11 fire stations in the 10-mile study area and seven Police stations with a concentration of both in the Hermiston Umatilla area. The Police

and fire protection service locations within the 10-mile study area are shown on Figure K-1, Attachment C.

## Health Care

The nearest hospital to the Project is Good Shepherd Medical Center, located approximately 4.6 miles from the nearest point of the Project Site Boundary. Ambulance service in the area is provided by Morrow County Emergency Medical Service and Umatilla County Fire Department.

Impacts on health care could occur if Project construction activities were to result in an increase in the use of emergency health care services exceeding the capacity of local providers. Impacts on local health care services during both construction and operation will be minimized by careful management of site health and safety risks. The estimated number of new temporary and permanent employees is not expected to place significant new demands on routine health care services. The medical facility located in Hermiston is the only hospital in the 10-mile study area shown on Figure K-1, Appendix C.

## Schools

The Project site is in the vicinity of the Hermiston School District and Morrow County School District. Schools within the 10-mile the study area are shown on Figure K-1, Appendix C. There are approximately 24 schools within the study area, the majority of them in the Hermiston area.

No significant adverse impacts to schools are anticipated during construction and operation of the Project. Construction will be temporary and short-term, and a portion of the peak work period will occur during the summer months when school is not in session. Consequently, new students are not expected to relocate to the area as a result of construction.

## EXHIBIT L. PROTECTED AREAS

### OAR 345-020-0011(1)(I)

- (I) **Exhibit L.** list of all protected areas in the study area for impacts to protected areas identifying:
- (A) The distance and direction of the protected area from the proposed facility;
  - (B) The basis for protection of the area, by reference to a specific subsection of OAR 345-001-0010(26);
- and
- (C) The name, mailing address, phone number, and email address of the land management agency or organization with jurisdiction over the protected area;

### Response

Protected areas data was collected within the study areas defined in OAR-345-001-0010(35)(e) and in accordance with OAR-345-022-0040. Protected areas were also identified within 20 miles of the Project Site Boundary, are summarized in Table L-1, and are shown on Figure G-3 of Attachment C. No Protected areas are contained within the Project Site Boundary. There were no national parks, national monuments, designated

wilderness or wilderness study areas, national recreation or scenic areas, experimental areas, or resource forests identified within the study area.

**TABLE L-1 PROTECTED AREAS WITHIN 20 MILES OF PROJECT SITE BOUNDARY**

TYPE <sup>1</sup>	AREA NAME AND CONTACT INFORMATION	APPROXIMATE DISTANCE TO SITE BOUNDARY (MILES)	DIRECTION FROM PROJECT
(a) A National Park or other unit of the National Park System described under 54 U.S.C. 100501;	None	-	-
(b) A National Monument established under 54 U.S.C. 320301 or by an act of Congress;	None	-	-
(c) A Wilderness Area established under 16 U.S.C 1131 et seq. or by an act of Congress;	None	-	-
(d) A Wild, Scenic, or Recreational River included in the National Wild and Scenic River System under 16 U.S.C. 1271 et seq.;	None	-	-
(e) A National Wildlife Refuge included in the National Wildlife Refuge System described under 16 U.S.C. 668dd;	Umatilla National Wildlife Refuge  United States Fish and Wildlife Service 64 Maple Street Burbank, WA 99323 509-546-8300 <a href="mailto:mcriver@fws.gov">mcriver@fws.gov</a>	1.7	North
	Cold Springs National Wildlife Refuge  United States Fish and Wildlife Service 79870 Reservoir Rd Stanfield, OR 97875 509-546-8300	10.1	Northeast
	McNary National Wildlife Refuge/Wildlife Nature Area  United States Fish and Wildlife Service 64 Maple Street Burbank, Washington 99323 509-546-8300 <a href="mailto:mcriver@fws.gov">mcriver@fws.gov</a>	14.5	Northeast
(f) A National Fish Hatchery established under 16 U.S.C. 760aa;	None	-	-



TYPE <sup>1</sup>	AREA NAME AND CONTACT INFORMATION	APPROXIMATE DISTANCE TO SITE BOUNDARY (MILES)	DIRECTION FROM PROJECT
(g) A National Recreation area, National Scenic area, or Special Resources Management Unit established by an act of Congress;	None	-	-
(h) A Wilderness Study Area established under 43 U.S.C. 1782;	None	-	-
(i) Land designated in a federal land management plan or by an act of Congress as:	None	-	-
(A) An Area of Critical Environmental Concern;	Oregon Trail ACEC  United States Bureau of Land Management Department of the Interior Vale District Field Office 100 Oregon Street Vale, OR 97918 541-473-3144 <a href="mailto:BLM_OR_VL_Mail@blm.gov">BLM_OR_VL_Mail@blm.gov</a>	5.7	Southeast
	Horn Butte ACEC  United States Bureau of Land Management Department of the Interior Vale District Field Office 100 Oregon Street Vale, OR 97918 541-473-3144 <a href="mailto:BLM_OR_VL_Mail@blm.gov">BLM_OR_VL_Mail@blm.gov</a>	19.7	West
(B) An Outstanding Natural Area;	None	-	-
(C) A Research Natural Area;	Boardman Research Natural Area (Boardman Bombing Range) Boardman Bombing Range Rd Boardman, OR 97818 360-527-2286 <a href="mailto:whdb_naswi_pao@navy.mil">whdb_naswi_pao@navy.mil</a>	6.2	Southwest
(D) An Experimental Forest or Range; or	None	-	-
(E) A Special Interest Area designated for scenic, geologic, botanic, zoologic, paleontological, archaeological, historic, or recreational values, or combinations of these values;	Oregon National Historic Trail and Echo Meadows Oregon Trail Interpretive Site  United States Bureau of Land Management Department of the Interior Vale District Field Office 100 Oregon Street Vale, OR 97918 541-473-3144 <a href="mailto:BLM_OR_VL_Mail@blm.gov">BLM_OR_VL_Mail@blm.gov</a>	4.8 (6.0)	South (Southeast)

TYPE <sup>1</sup>	AREA NAME AND CONTACT INFORMATION	APPROXIMATE DISTANCE TO SITE BOUNDARY (MILES)	DIRECTION FROM PROJECT
	<p>Lewis and Clark National Historic Trail</p> <p>601 Riverfront Drive  Omaha, NE 68102  402-661-1804  <a href="mailto:lecl_information@nps.gov">lecl_information@nps.gov</a></p>	2.7	Northwest
	<p>McNary Wildlife Nature Area</p> <p>Tri-Rivers Natural Resources Management-  McNary Office</p> <p>United States Army Corps of Engineers  PO Box 1230  Umatilla, OR 97882  Phone: 541-922-2268  Email:  <a href="mailto:McNaryParks&amp;Recreation@usace.army.mil">McNaryParks&amp;Recreation@usace.army.mil</a></p>	8.5	North
	<p>Spillway Park</p> <p>United States Army Corps of Engineers  PO Box 1230  Umatilla, OR 97882  Phone: 541-922-2268  Email:  <a href="mailto:McNaryParks&amp;Recreation@usace.army.mil">McNaryParks&amp;Recreation@usace.army.mil</a></p>	9.1	Northeast
(j) A state park, wayside, corridor, monument, historic, or recreation area under the jurisdiction of the Oregon Parks and Recreation Department	<p>Hat Rock State Park  725 Summer Street NE, Suite C  Salem, OR 97301  503-986-0707</p>	11.9	Northeast
(k) The Willamette River Greenway created under ORS 390.310 to 390.368	N/A	-	-
(l) A natural area listed in the Oregon Register of Natural Areas under ORS 273.581	<p>Lindsay Prairie TNC Natural Area</p> <p>The Nature Conservancy  821 SE 14th Avenue  Portland, OR 97214  Phone: 503-802-8100  Email: <a href="mailto:oregon@tnc.org">oregon@tnc.org</a></p>	13.2	South
	<p>Boardman/Willow Creek Managed Area</p> <p>The Nature Conservancy  821 SE 14th Avenue  Portland, OR 97214  Phone: 503-802-8100  Email: <a href="mailto:oregon@tnc.org">oregon@tnc.org</a></p>	6.7	West

TYPE <sup>1</sup>	AREA NAME AND CONTACT INFORMATION	APPROXIMATE DISTANCE TO SITE BOUNDARY (MILES)	DIRECTION FROM PROJECT
(m) The South Slough National Estuarine Research Reserve, described under ORS 273.553	N/A	-	-
(n) A State Scenic Waterway designated under ORS 390.805 to 390.925 and related adjacent lands	None	-	-
(o) A state wildlife refuge or management area identified in OAR chapter 635, division 008	Power City State Wildlife Area/Power City Wildlife Area 73471 Mytinger Lane Pendleton, OR 97801 541-276-2344		
	Coyote Springs State Wildlife Area 73471 Mytinger Lane Pendleton, OR 97801 541-276-2344	0.6	West
	Wanaket Wildlife Area  Confederated Tribes of the Umatilla Indian Reservation Department of Natural Resources Wildlife Program 46411 Timine Way Pendleton, OR 97801 541-429-7294	7.8	Northeast
	Irrigon State Wildlife Area  Oregon Department of Fish and Wildlife 73471 Mytinger Lane Pendleton, OR 97801 541-276-2344	4.7	North
	Willow Creek State Wildlife Area  Oregon Department of Fish and Wildlife 73471 Mytinger Lane Pendleton, OR 97801 541-276-2344	18.5	West
(p) A fish hatchery operated by the Oregon Department of Fish and Wildlife	Irrigon Fish Hatchery 4135 Riverview Lane Irrigon, OR 97844 541-922-5732	5.3	Southeast
(q) An agricultural experiment station, experimental area, or research center established by Oregon State University under ORS chapter 567	Hermiston Agricultural Research and Extension Center 2121 S 1st St, Hermiston, OR 97838 541-567-6337	4.1	East

TYPE <sup>1</sup>	AREA NAME AND CONTACT INFORMATION	APPROXIMATE DISTANCE TO SITE BOUNDARY (MILES)	DIRECTION FROM PROJECT
(r) A research forest established by Oregon State University under ORS 526.215	None	-	-

<sup>1</sup> Based on OAR 345-001-0010 (26) (a) through (r)  
 N=north; NW=northwest; NE=northeast; S=south; SW=southwest; SE=southeast; E=East; W=west

## EXHIBIT M. WATER SOURCES AND USE

### OAR 345-020-0011(1)(m)

(m) **Exhibit M.** Information about anticipated water use during construction and operation of the proposed facility, including:

(A) A description of each source of water and the applicant's estimate of the amount of water the facility will need from each source;

#### Response

Construction of the transmission line may require use of water for control of fugitive dust temporarily generated by construction activities at temporary work areas. If the level of fugitive dust is excessive in localized areas as determined in coordination with the landowner or agency, water will be applied to disturbed areas to minimize dust. Water will also be utilized for concrete foundations for the steel pole structures.

At this time, the amount of water needed for the Project is unknown; potentially 10,000 to 40,000 gallons per day may be used for dust control depending on season and site conditions. A total of approximately 1.3 million gallons of water would be used for structure foundations (assuming 7.0 foot by 28 foot piers and nine structures per mile). However, once the line has been designed, the amount of water needed will be identified by the construction contractor. The water needed will likely be procured from private landowner agricultural irrigation sources with existing rights or municipal sources. The Project area falls within the Lower Umatilla Basin Groundwater Management Area, which does not have any active restrictions on groundwater use for a project of this type. Although unlikely, if an irrigation source proves to be unavailable, UEC would acquire the water from a metered municipality. Drinking water will be provided by the contractor.

During operations, the Project will not require water for operation and maintenance activities.

(B) If a new water right is required, the approximate location of the points of diversion and the estimated quantity of water to be taken at each point; and

#### Response

At this time, it is not anticipated that the Project will require new water rights.

(C) For operation, the source of cooling water and the estimated consumptive use of cooling water, based on annual average conditions.

**Response**

The Project will not require cooling water, and therefore, this section does not apply.

**EXHIBIT N. CARBON DIOXIDE EMISSIONS**

**OAR 345-020-0011(1)(n)**

(n) **Exhibit N.** If the proposed facility would emit carbon dioxide, an estimate of the gross carbon dioxide emissions that are reasonably likely to result from the operation of the facility and a statement of the means by which the applicant intends to comply with the applicable carbon dioxide emissions standard under OAR 345-024-500.

**Response**

The proposed Project will not emit carbon dioxide. Therefore, this exhibit is not applicable.

**EXHIBIT O. EVALUATION OF STATUTES, RULES, AND ORDINANCES**

**OAR 345-020-0011(1)(o)**

(o) **Exhibit O.** Identification, by legal citation, of all state statutes and administrative rules and local government ordinances containing standards or criteria that the proposed facility must meet for the Council to issue a site certificate, other than statutes, rules and ordinances identified in Exhibit E, and identification of the agencies administering those statutes, administrative rules and ordinances. The applicant must analyze and describe any problems the applicant foresees in satisfying the requirements of any such statute, rule or ordinance.

**Response**

Table O-1 identifies state statutes, administrative rules, and local government ordinances not identified in Exhibit E. The statutes, rules, and ordinances identified in Table O-1 specify the standards or criteria that the proposed Project must meet for the Council to issue a site certificate. The Applicant does not anticipate difficulty in meeting specific requirements.

**TABLE O-1 STATUTES, RULES, AND ORDINANCES CONTAINING RELEVANT STANDARDS OR CRITERIA**

DEPARTMENT	LEGAL CITATION	AGENCY ADDRESS
Oregon Department of Agriculture	Plant Conservation Biology Program— ORS 564; OAR Chapter 603, Division 73	Oregon Department of Agriculture 635 Capitol Street, N.E. Salem, OR 97301-2532 503-986-4550

DEPARTMENT	LEGAL CITATION	AGENCY ADDRESS
Oregon Biodiversity Information Center	ORS 564.105; OAR 603, Division 73 and OAR 345-022-0070	Oregon Biodiversity Information Center Oregon State University Institute for Natural Resources University Center Building, Suite 335 527 SW Hall Street Portland, OR 97201
Oregon Department of Environmental Quality—Hazardous Waste Management	ORS 465 and 466; OAR Chapter 340, Divisions 100-113	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 503-229-5696
Oregon Department of Environmental Quality—Noise	ORS 467; OAR Chapter 340, Division 35	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 503-229-5696
Oregon Department of Environmental Quality—Solid Waste	ORS 459; OAR Chapter 340, Division 93	Oregon Department of Environmental Quality 811 SW Sixth Avenue Portland, OR 97204-1390 503-229-5696
Oregon Department of Environmental Quality—Water Quality	ORS 468 and 468B; OAR Chapter 340, Divisions 14, 41, 45, 52, and 55	Oregon Department of Environmental Quality 475 NE Bellevue Dr., Suite 110 Bend, OR 97701 541-388-6146
Oregon Department of Fish and Wildlife—Habitat Conservation Division	ORS 496 and 506; OAR Chapter 635, Divisions 100 and 415	Oregon Department of Fish and Wildlife 3406 Cherry Avenue N.E. Salem, OR 97303-4924 503-947-6000
Oregon Department of Geology and Mineral Industries	OAR Chapter 632	Oregon Department of Geology and Mineral Industries 800 NE Oregon Street, Suite 965 Portland, OR 97232 971-673-1555
Oregon Department of Land Conservation and Development	ORS Chapter 197, ORS 215.274; OAR Chapter 660	Oregon Department of Land Conservation and Development 635 Capitol Street NE, Suite 150 Salem, OR 97301-2540 503-373-0050
Oregon Division of State Lands	ORS 273 and 274; OAR Chapter 141	Oregon Division of State Lands 775 Summer Street NE, Suite 100 Salem, OR 97301-1279 503-378-3805
Oregon Office of State Fire Marshal	ORS 453; OAR Chapter 837, Divisions 85 and 95	Oregon Office of State Fire Marshal 4760 Portland Road NE Salem, OR 97305-1760 503-378-3473

DEPARTMENT	LEGAL CITATION	AGENCY ADDRESS
Oregon Parks and Recreation Department—Archaeological	Native American Graves and Protected Objects—ORS 97.740-97.760 Archaeological Objects and Sites—ORS 358.905-358.961	State Historic Preservation Office 725 Summer St. NE, Suite C Salem, OR 97301 503-986-0671
Oregon Water Resources Department—Water Rights Division	Appropriation of Water Generally—ORS Chapter 537 Distribution of Water; Watermasters; Change in Use; Transfer or Forfeiture of Water Rights—ORS Chapter 540 Water Resources Administrative Rules—OAR Chapter 690	Department of Water Resources Commerce Building 158 12 <sup>th</sup> NE Salem, OR 97301-4172 503-378-8455

## EXHIBIT P. SCHEDULE

OAR 345-020-0011(1)(p)

(o) **Exhibit P.** A schedule stating when the applicant expects to submit a preliminary application for a site certificate.

### Response

Table P-1 provides a schedule of key EFSC milestones, including the expected submittal date for the ASC.

**TABLE P-1 PROPOSED SCHEDULE FOR SUBMITTAL OF NOTICE OF INTENT AND APPLICATION FOR SITE CERTIFICATE**

ACTIVITY	TARGET COMPLETION DATE
Applicant Submits NOI to EFSC.	September 2023
EFSC reviews NOI, distributes public notice, conducts public information meeting, facilitates comment period, and issues Project Order.	September 2023 to January 2024
Applicant submits preliminary ASC to EFSC.	July 2024

## EXHIBIT Q. EVIDENCE OF CONSULTATION WITH STATE COMMISSION ON INDIAN SERVICES

OAR 345-020-0011(1)(p)

(p) **Exhibit Q.** Evidence of consultation with the Legislative Commission on Indian Services to identify each appropriate tribe to consult with regarding the proposed facility's possible effects on Indian historic and cultural resources.

### Response

Evidence of consultation with the Legislative Commission on Indian Services is provided in Attachment D.

## REFERENCES

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## **ATTACHMENT A ARTICLES OF INCORPORATION AND AUTHORIZATION**

**A-1 Articles of Incorporation**

**A-2 Authorization to Submit the NOI/Board Resolution**

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## **A-1 ARTICLES OF INCORPORATION**

File No. 39695

App.  Pro.  Intrvr.

Exhibit No. 5 Case

M. Id.  In. Evd.

# State of Oregon



## Certificate of Filing Articles of Association

To all to whom these presents may come, greeting:

Know ye, That whereas R. G. PENNEY, J. H. REID, E. D. MARTIN, H. J. BEAN  
and R. G. SAYLOR

having presented Articles of Association of a Corporation organized and formed ~~for profit~~  
under and pursuant to the Laws of the State of Oregon, and paid the organization and annual  
license;

Now, Therefore I, J. H. HAZLETT ~~JAMES W. MOYER~~ Corporation Commissioner of the State of  
Oregon, DO HEREBY CERTIFY, that said Articles of Association have been filed in the office  
of the Corporation Commissioner; that the name assumed by said corporation is

UMATILLA ELECTRIC COOPERATIVE ASSOCIATION

the duration ~~perpetual~~ the enterprise, business, pursuit or occupation  
of this association in which it proposes to engage is as follows:

- (a) To generate, manufacture, purchase, acquire and accumulate electric energy for its members only and to transmit, distribute, furnish, sell and dispose of such electric energy to its members only, and to construct, erect, purchase, lease as lessee and in any manner acquire, own, hold, maintain, operate, sell, dispose of, lease as lessor, exchange and mortgage, plants, buildings, works, machinery, supplies, apparatus, equipment and electric transmission and distribution lines or systems necessary, convenient or useful for carrying out and accomplishing any or all of the foregoing purposes;
- (b) To acquire, own, hold, use, exercise and, to the extent permitted by law, to sell, mortgage, pledge, hypothecate and in any manner dispose of franchises, rights, privileges, licenses, rights of way and easements necessary, useful or appropriate to accomplish any or all of the purposes of the Corporation;

- (c) To purchase, receive, lease as lessee, or in any other manner acquire, own, hold, maintain, use, convey, sell, lease as lessor, exchange, mortgage, pledge or otherwise dispose of any and all real and personal property or any interest therein necessary, useful or appropriate to enable the Corporation to accomplish any or all of its purposes;
- (d) To assist its members to wire their premises and install therein electrical and plumbing appliances, fixtures, machinery, supplies, apparatus and equipment of any and all kinds and character (including, without limiting the generality of the foregoing, such as are applicable to water supply and sewage disposal) and, in connection therewith and for such purposes, to purchase, acquire, lease, sell, distribute, install and repair electrical and plumbing appliances, fixtures, machinery, supplies, apparatus and equipment of any and all kinds and character (including, without limiting the generality of the foregoing, such as are applicable to water supply and sewage disposal) and to receive, acquire, endorse, pledge, guarantee, hypothecate, transfer or otherwise dispose of notes and other evidences of indebtedness and all security therefor;
- (e) To borrow money, to make and issue bonds, notes and other evidences of indebtedness, secured or unsecured, for moneys borrowed or in payment for property acquired, or for any of the other objects or purposes of the Corporation and to secure the payment of such bonds, notes or other evidences of indebtedness by mortgage or mortgages, or deed or deeds of trust upon, or by the pledge of or other lien upon, all or any of the property, rights, privileges or permits of the Corporation, wheresoever situated, acquired or to be acquired.
- (f) To do and perform, either for itself or its members, any and all acts and things, and to have and exercise any and all powers, as may be necessary or convenient to accomplish any or all of the foregoing purposes or as may be permitted by the Act under which the Corporation is formed. The Corporation shall render no service to or for the public.

the authorized capital stock is: {common, shares of the par value of \$..... each}  
{preferred, shares of the par value of \$..... each}

The amount of each membership certificate shall be Five and no/100 Dollars (\$ 5.00).

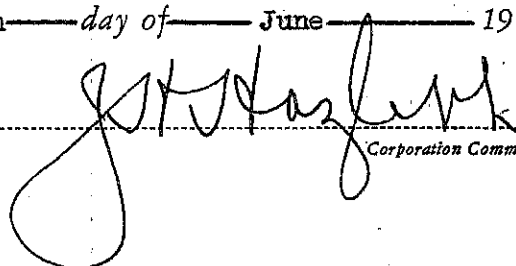
The preferences, rights, privileges, and restrictions of each class of stock are as follows:

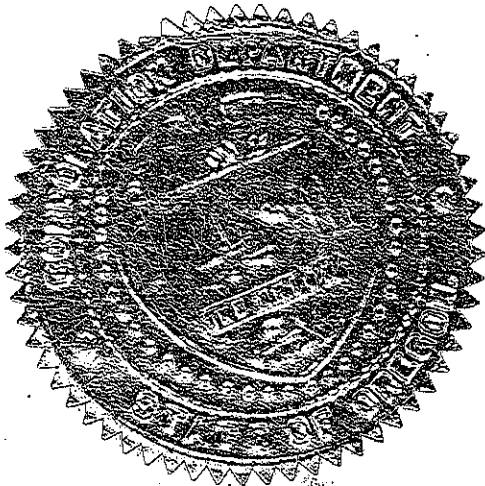
the date of filing its Articles of Association the 18th day of June, A. D. 1937 ;  
the location of its principal office in the town of Hermiston, in the  
County of Umatilla, State of Oregon; the amount of the organization fee  
paid Ten and no/100 (\$ 10.00) Dollars and the amount  
of annual license fees paid only eighteen cents  
(\$ 0.18) Dollars for the current fiscal year ending June 30, 1937.

In Testimony Whereof, I have hereunto set my hand  
and affixed hereto the seal of the Corporation  
Department of the State of Oregon.

Done at the Capitol at Salem, Oregon, this

18th day of June 1937.

  
Corporation Commissioner





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**A-2 AUTHORIZATION TO SUBMIT THE NOI AND BOARD  
RESOLUTION**

**Umatilla Electric Cooperative**

**Chief Executive Officer Certificate to Submit NOI**

I, Robert Echenrode, the undersigned, General Manager and Chief Executive Officer of Umatilla Electric Cooperative, an Oregon cooperative, do hereby certify that I am authorized to execute and submit the Notice of Intent to apply for a Site Certificate for the Umatilla- Morrow County Connect Project.

Signed:  Date: 9/12/2023  
Robert Echenrode  
General Manager and CEO  
Umatilla Electric Cooperative

**RESOLUTION 2023 04 002**  
**UMATILLA ELECTRIC COOPERATIVE**  
**AUTHORIZING SUBMITTAL OF NOTICE OF INTENT TO THE**  
**OREGON ENERGY FACILITY SITING COUNCIL**

WHEREAS, Umatilla Electric Cooperative (“UEC”) engages in long range planning for the maintenance and operation of its electric system; and

WHEREAS, UEC’s planning efforts have identified a need for a new 230 kV transmission line to connect the existing Highway 730 Switchyard to a new Ordinance Substation (“Project”) for the purpose of expanding transmission capacity to accommodate growth and to increase system reliability; and

WHEREAS, as initially designed, the Project falls under the jurisdiction of the Oregon Energy Facility Siting Council (EFSC), and state statutes require EFSC to issue a Site Certificate for the Project before UEC can proceed with final design and construction of the Project; and

WHEREAS, as the applicant for a Site Certificate, UEC must first submit to EFSC a Notice of Intent describing the Project and providing various information required by applicable EFSC administrative rules;


NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Umatilla Electric Cooperative authorizes the submittal of a Notice of Intent to EFSC for the purpose of obtaining a Site Certificate from EFSC allowing construction of the Project; and

BE IT FURTHER RESOLVED that the UEC General Manager/CEO is authorized and directed to execute all documents necessary to submit the Notice of Intent to EFSC for the Project and is hereby identified as the “officer responsible for submitting the NOI” as described in OAR 345-020-0011; and

BE IT FURTHER RESOLVED that the UEC General Manager/CEO is authorized and directed to execute all documents necessary to complete the process for obtaining a Site Certificate from EFSC for the Project.

**CERTIFICATION OF SECRETARY**

I, Steve Platt, Secretary of Umatilla Electric Cooperative do hereby certify that the above is a true and correct excerpt from the Minutes of the meeting of the Board of Directors of Umatilla Electric Cooperative held on April 27, 2023, at which meeting a quorum was present.

  
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Steve Platt, Secretary

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## ATTACHMENT B PROPERTY OWNERSHIP-TAX LOT TABLE

MORROW COUNTY

MAP TAX LOT	OWNER	OWNER 2/CARE OF	MAILING ADDRESS	CITY	STATE	ZIP CODE	NOI Category
03N26E00000100	FARMLAND RESERVE, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
03N26E00000401	SAGE HOLLOW RANCH, LLC .01% ETAL		3620 INDEPENDENCE RD	SUNNYSIDE	WA	98944	500 ft of Tax Lot Zoned EFU
03N26E00000510	FARMLAND RESERVE, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
04N25E010000100	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N25E010000100	TREDIT TIRE & WHEEL CO INC		3305 CHARLOTTE AVE	ELKHART	IN	46517	250 ft of Tax Lot not EFU Zoned
04N25E120000103	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N25E120000106	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N25E120000301	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N25E120000302	UMATILLA ELECTRIC COOPERATIVE ASSOCIATIO	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N25E120000400	CITY OF BOARDMAN		PO BOX 229	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N25E130000100	TERRA POMA LAND, LLC		PO BOX 862	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N26E000000100	USA (ARMY DEPOT)						0 Site Boundary
04N26E000000103							Site Boundary
04N26E000000104							Site Boundary
04N26E000000200	USA (ARMY DEPOT)						0 500 ft of Tax Lot Zoned EFU
04N26E000000300	AYLETT, JEDEDIAH W & ELISHA D		PO BOX 335	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E000000301	DOONEY, SANDRA & RODRIGUEZ, CASEY D		75174 DEPOT LN	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E000000400	PROCTOR, JUANITA	AVAMERE	980 W HIGHLAND AVE APT #134	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E0000003400	WINDY RIVER		1000 HWY 395 S #423	HERMISTON	OR	97838	Site Boundary
04N26E0000003404	COLUMBIA BASIN REAL ESTATE, LLC		PO BOX 1191	HERMISTON	OR	97838	Site Boundary
04N26E0000003406	UMATILLA ELECTRIC CO-OP	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	Site Boundary
04N26E0000003408	TERRA POMA LAND, LLC		PO BOX 862	HERMISTON	OR	97838	Site Boundary
04N26E0000003409	CLEAVER STORAGE, LLC		PO BOX 1192	HERMISTON	OR	97838	Site Boundary
04N26E0000003411	STANFIELD HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	Site Boundary
04N26E0000003412	COLUMBIA BASIN REAL ESTATE, LLC		PO BOX 1191	HERMISTON	OR	97838	Site Boundary
04N26E0000003413	CLEAVER STORAGE, LLC		PO BOX 1192	HERMISTON	OR	97838	Site Boundary
04N26E0000003414	FARMLAND RESERVE, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	Site Boundary
04N26E0000003414	AGRESERVES, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	Site Boundary
04N26E0000003415	WINDY RIVER		1000 HWY 395 S #423	HERMISTON	OR	97838	Site Boundary
04N26E0000003416	FARMLAND RESERVE, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
04N26E0000003417	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	Site Boundary
04N26E0000003418	COLUMBIA BASIN REAL ESTATE, LLC		PO BOX 1191	HERMISTON	OR	97838	Site Boundary
04N26E0000003419	FARMLAND RESERVE, INC	ATTN: TAX ADMINISTRATION	PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
04N26E0000003420	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	500 ft of Tax Lot Zoned EFU
04N26E0000003420	HELLER AND SONS DISTRIBUTING		1007 SE 8TH ST	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E0000003800	STANFIELD HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	500 ft of Tax Lot Zoned EFU
04N26E0000003801	C S HAY LLC		PO BOX 1330	BOARDMAN	OR	97818	Site Boundary
04N26E0000003801	AMERICAS PROPANE LP		PO BOX 1388	VALLEY FORGE	PA	15482	Site Boundary
04N26E0000003802	WILBUR-ELLIS COMPANY LLC	%PP TAX DEPT-BOARDMAN	16300 CHRISTENSEN RD #135	SEATTLE	WA	98188	Site Boundary
04N26E0000003803	WILBUR-ELLIS COMPANY LLC	%PP TAX DEPT-BOARDMAN	16300 CHRISTENSEN RD #135	SEATTLE	WA	98188	Site Boundary
04N26E0000003804	STANFIELD HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	Site Boundary
04N26E0000003804	STAHL HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	Site Boundary
04N26E0000004600	STATE OF OREGON		417 TRANSPORTATION BLDG	SALEM	OR	97310	Site Boundary
04N26E0000004700	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	Site Boundary
04N26E0000004703	J R ZUKIN CORP, DBA	MEADOW OUTDOOR ADVERTISING	PO BOX 331	THE DALLES	OR	97058	Site Boundary
04N26E0000004703	UMATILLA ELECTRIC COOPERATIVE ASSOCIATIO		750 W ELM AVE	HERMISTON	OR	97838	Site Boundary
04N26E0000005200	FARMLAND RESERVE, INC	C/O TAX DIVISION	PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
04N26E0000005202	GREGORY T CIMMIYOTTI TRUST, 1/3 ET AL	CIMMIYOTTI, GREGORY T TRUSTEE	6136 SE 46TH AVE	PORTLAND	OR	97206	500 ft of Tax Lot Zoned EFU
04N26E0000005203	CIMMIYOTTI, KELLEY, 1/3 ETAL	CIMMIYOTTI, JOHN, 1/3	105 PIPER CT	RICHLAND	WA	99352	500 ft of Tax Lot Zoned EFU
04N26E0000005501	FARMLAND RESERVE, INC		PO BOX 511196	SALT LAKE CITY	UT	84151	500 ft of Tax Lot Zoned EFU
04N26E0000006300	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	Site Boundary
04N26E0000006301	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	Site Boundary
04N26E020000100	PROCTOR, JUANITA	AVAMERE	980 W HIGHLAND AVE APT #134	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E020000200	RODRIGUEZ, ABRAHAM & MARGARET ANN		74826 DEPOT LN	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E020000201	WALKER, JOHN W & KREUGER, IRINA		74826 DEPOT LN	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E020000201	WALKER, JOHN & WALKER, IRINA		74828 DEPOT LN	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E020000300	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E020000301	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E020000302	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E020000900	STANFIELD HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	500 ft of Tax Lot Zoned EFU
04N26E030000200	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030000201	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030000300	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030000500	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030000600	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030000700	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E030001000	STANFIELD HUTTERIAN BRETHERN		36345 DESPAIN GULCH RD	STANFIELD	OR	97875	500 ft of Tax Lot Zoned EFU
04N26E030001100	ACOCK, ZACHARY D & RHONDA M		74176 DEPOT LN	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E030001100	ACOCK, SCOTT JAMES		PO BOX 983	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E030001200	PAYNE, JOHN & PAYNE, TANA		2161 HENDERSON LOOP RD	RICHLAND	WA	99354	500 ft of Tax Lot Zoned EFU
04N26E040000200	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E050000100	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E060000101	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N26E060000102	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N26E060000106	AMAZON DATA SERVICES, INC		PO BOX 80416	SEATTLE	WA	98108	250 ft of Tax Lot not EFU Zoned
04N26E070000100	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	Site Boundary
04N26E070000102	UNITED STATES OF AMERICA	BONNEVILLE POWER ADMINISTRATION	TERP-3 P.O. BOX 3621	PORTLAND	OR	97208	250 ft of Tax Lot not EFU Zoned
04N26E070000103	AMAZON DATA SERVICES, INC	ATTN: TAX DEPARTMENT	PO BOX 80416	SEATTLE	WA	98108	Site Boundary
04N26E070000103	AMAZON DATA SERVICES, INC		PO BOX 80416	SEATTLE	WA	98108	Site Boundary
04N26E070000105	UMATILLA ELECTRIC COOP ASSOCIATION	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N26E070000200	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	Site Boundary
04N26E070000201	UMATILLA ELECTRIC COOPERATIVE	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	Site Boundary
04N26E070000202	TERRA POMA LAND, LLC		PO BOX 862	HERMISTON	OR	97838	Site Boundary
04N26E070000300	UMATILLA ELECTRIC CO-OP	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N26E080000100	KAIZEN HOLDINGS LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E080000201	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
04N26E080000202	PORT OF MORROW		PO BOX 200	BOARDMAN	OR	97818	500 ft of Tax Lot Zoned EFU
04N26E080000300	USA (BLM)	KAIZEN HOLDINGS, LLC (L)	80702 PATERSON FERRY RD	IRRIGON	OR	97844	Site Boundary
04N26E080000300	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	Site Boundary
04N26E080000501	TERRA POMA LAND, LLC		PO BOX 862	HERMISTON	OR	97838	Site Boundary
04N26E090000101	UMATILLA ELECTRIC CO-OP	GENERAL MANAGER AND CHIEF EXECUTIVE OFFI	PO BOX 1148	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E000000100	USA (ARMY DEPOT)						0 Site Boundary
04N27E000000126							Site Boundary
04N27E000000127							250 ft of Tax Lot not EFU Zoned
04N27E000000128							250 ft of Tax Lot not EFU Zoned
04N27E000000200	7-A'S, INC		75816 FRONTAGE LN	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E000000500	WOOD FARM, LLC	WOOD, JAMES A	PO BOX 5	NORTH PLAINS	OR	97133	500 ft of Tax Lot Zoned EFU
04N27E000000500	WOOD FARM INVESTMENTS		PO BOX 5	NORTH PLAINS	OR	97133	500 ft of Tax Lot Zoned EFU
04N27E000000601	HOLZAPFEL RANCH EAST, LLC	MR. & MRS DWAYNE CARROLL	77402 DESERT RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E000000602	HOLZAPFEL RANCH EAST, LLC	MR. & MRS DWAYNE CARROLL	77402 DESERT RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E20C000200	EWING, WARREN OSBORN II & STEPHANIE JO		75540 GUN CLUB RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E20C000300	RODRIGUEZ MEDRANO, FROILAN		78887 PETERS RD	BOARDMAN	OR	97818	250 ft of Tax Lot not EFU Zoned
04N27E20C000400	NAVARRETE, ELEAZAR & MONZON ARIAS, ALMA		563 E REEDER DR	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E20C000400	NAVARRETE, ELEAZAR ETAL		563 E REEDER DR	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E20D000500	AYLETT, WADE		28598 STAFFORD HANSEL RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000100	AYLETT HOME PLACE, LLC 1/2 ETAL	AYLETT, JEDEDIAH W	75816 FRONTAGE RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000100	AYLETT, WADE		28598 STAFFORD HANSEL RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000200	7-A	AYLETT, JEDEDIAH & JUANITA	75816 FRONTAGE RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned

MORROW COUNTY

MAP TAX LOT	OWNER	OWNER 2/CARE OF	MAILING ADDRESS	CITY	STATE	ZIP CODE	NOI Category
04N27E280000200	AYLETT HOME PLACE, LLC 1/2 ETAL		75816 FRONTAGE RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000300	AYLETT HOME PLACE, LLC 1/2 ETAL	AYLETT, JEDEDIAH W	75816 FRONTAGE RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000700	HERMISTON ROD & GUN CLUB		PO BOX 202	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E280000701	AYLETT, JEDEDIAH		75816 FRONTAGE RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
04N27E280000800	ROCK IT LLC		28598 STAFFORD HANSEL RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
04N27E280000800	ROCK SOLID SAND & GRAVEL, LLC		28598 STAFFORD HANSEL RD	HERMISTON	OH	97838	500 ft of Tax Lot Zoned EFU
04N27E280000801	USA (CORPS)						0 Site Boundary
05N26E330000100	KAIZEN HOLDINGS, LLC		80702 PATERSON FERRY RD	IRRIGON	OR	97844	500 ft of Tax Lot Zoned EFU
05N26E340000103	CLEAVER LAND, LLC		PO BOX 1191	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
05N26E360000800	ANACAPA LAND COMPANY LLC	PROPERTY TAX	PO BOX 3288	HOUSTON	TX	77253	250 ft of Tax Lot not EFU Zoned
05N27E310000100	ANACAPA LAND COMPANY LLC	PROPERTY TAX	PO BOX 3288	HOUSTON	TX	77253	250 ft of Tax Lot not EFU Zoned
05N27E310000101	CITY OF IRRIGON		PO BOX 428	IRRIGON	OR	97844	250 ft of Tax Lot not EFU Zoned
05N27E310000102	CITY OF IRRIGON		PO BOX 428	IRRIGON	OR	97844	250 ft of Tax Lot not EFU Zoned
05N27E320000100	USA (ARMY DEPOT)						0 250 ft of Tax Lot not EFU Zoned
05N27E330000100	D & D FARMING, LLC, 1/2 & ETAL 1/2	STREBIN, WILLIAM & SHARON K, 1/2	28245 SE DIVISION DR	TROUTDALE	OR	97060	250 ft of Tax Lot not EFU Zoned

\*Data received from Counties on September 7th, 2023



**UMATILLA COUNTY**

MAP TAX LOT	OWNER	OWNER 2/CARE OF	MAILING ADDRESS	CITY	STATE	ZIP CODE	NOI Category
4N2700000100	LAMB WESTON INC		PO BOX C1900	PASCO	WA	97302-1900	250 ft of Tax Lot not EFU Zoned
4N2700000200	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	Site Boundary
4N2700000200	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	Site Boundary
4N2700000201	GIRTH DOG LLC		33896 E WALLS RD	HERMISTON	OR	97838	250 ft of Tax Lot not EFU Zoned
4N2700000204	GIRTH DOG LLC		33896 E WALLS RD	HERMISTON	OR	97838-6384	250 ft of Tax Lot not EFU Zoned
4N2700000206	LAMB WESTON INC		PO BOX C1900	PASCO	WA	97302-1900	250 ft of Tax Lot not EFU Zoned
4N2700000208	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	250 ft of Tax Lot not EFU Zoned
4N2700000209	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	Site Boundary
4N2700000209	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	Site Boundary
4N2700000401	WESTLAND IRRIG DIST	ATTN: STACEY WELLS	PO BOX 944	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2700000600	BELLINGER ROBERT D & LOU A		29760 BELLINGER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2700000600	BELLINGER ROBERT D & LOU A		29760 BELLINGER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2700000900	7S FARMING LLC		78638 WALKER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2700001000	7S FARMING LLC		78638 WALKER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2700001100	7S FARMING LLC		78638 WALKER RD	HERMISTON	OR	97838	Site Boundary
4N2700001200	PEDRO LAND COMPANY LLC		78710 WESTLAND RD	HERMISTON	OR	97838-6125	Site Boundary
4N2700001300	PEDRO LAND COMPANY LLC		78710 WESTLAND RD	HERMISTON	OR	97838-6125	500 ft of Tax Lot Zoned EFU
4N2700003800	UMATILLA ELECTRIC CO-OP ASSN		PO BOX 1148	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2725000100	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	Site Boundary
4N2725000200	WESTERN IRRIGATION CO THE						250 ft of Tax Lot not EFU Zoned
4N2725A000100	UMATILLA ELECTRIC CO-OP ASSN		PO BOX 1148	HERMISTON	OR	97838	Site Boundary
4N2725A000200	UMATILLA BASIN PROPERTIES LLC		750 W ELM AVE	HERMISTON	OR	97838	Site Boundary
4N2725A000201	CRUM RANCHES LLC		PO BOX 67	IONE	OR	97843-0067	Site Boundary
4N2725A000202	UMATILLA BASIN PROPERTIES LLC		750 W ELM AVE	HERMISTON	OR	97838	Site Boundary
4N2725A000400	FARMLAND RESERVE INC	ATTN: TAX ADMINISTRATION	PO BOX 511196	SALT LAKE CITY	UT	84151-1196	Site Boundary
4N27270000100	UNION PACIFIC RR CO	ATTN: CORP TAX	1400 DOUGLAS ST STOP 1690	OMAHA	NE	68179-1690	250 ft of Tax Lot not EFU Zoned
4N27270000200	UNION PACIFIC RAILROAD CO	C/O PROPERTY TAX	1400 DOUGLAS ST STOP 1640	OMAHA	NE	68179-1001	250 ft of Tax Lot not EFU Zoned
4N27270000300	ROCK IT, LLC		28598 STAFFORD HANSEL RD	Hermiston	OR	97838	250 ft of Tax Lot not EFU Zoned
4N27270000301	GIRTH DOG LLC		33896 E WALLS RD	HERMISTON	OR	97838-6384	250 ft of Tax Lot not EFU Zoned
4N28000000300	7S FARMING LLC		78638 WALKER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N28000000400	7S FARMING LLC		78638 WALKER RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N28000000500	LAMB WESTON INC		PO BOX C1900	PASCO	WA	97302-1900	500 ft of Tax Lot Zoned EFU
4N28000000500	LAMB WESTON INC		PO BOX C1900	PASCO	WA	97302-1900	500 ft of Tax Lot Zoned EFU
4N28000000500	LAMB WESTON INC		PO BOX C1900	PASCO	WA	97302-1900	500 ft of Tax Lot Zoned EFU
4N28000000700	HERMISTON GENERATING CO & PACIFICORP		825 NE MULTNOMAH ST STE 1900	PORTLAND	OR	97239-2151	250 ft of Tax Lot not EFU Zoned
4N2818C000300	PEDRO LAND COMPANY		78710 WESTLAND RD	HERMISTON	OR	97838-6125	500 ft of Tax Lot Zoned EFU
4N2819CC00200	TERRA POMA LAND LLC		PO BOX 862	HERMISTON	OR	97838-0862	500 ft of Tax Lot Zoned EFU
4N2819CC00300	HERMISTON GENERATING CO LP		78145 WESTLAND RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N2819CC00400	HIBLER LLC		2405 S JANEEN ST	BOISE	ID	83709	500 ft of Tax Lot Zoned EFU
4N2819CC00500	BISHOP KAREN		382 NW 10TH ST	HERMISTON	OR	97838-1208	500 ft of Tax Lot Zoned EFU
4N28300000200	HERMISTON GENERATING CO & PACIFICORP		78145 WESTLAND RD	HERMISTON	OR	97838	500 ft of Tax Lot Zoned EFU
4N28300001200	PERENNIAL POWER HOLDINGS INC	C/O GERALD GOBBI	24 WATERWAY AVE SUITE 740	SPRING	TX	77380	250 ft of Tax Lot not EFU Zoned
4N28300001200	PERENNIAL POWER HOLDINGS INC	C/O GERALD GOBBI	24 WATERWAY AVE SUITE 740	SPRING	TX	77380	250 ft of Tax Lot not EFU Zoned
5N27000000900	USA	DEPT OF ARMY	UMATILLA ARMY DEPOT	UMATILLA	OR	97882	250 ft of Tax Lot not EFU Zoned

\*Data received from Counties on September 7th, 2023

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## **ATTACHMENT C    FIGURES**

<b>Figure B-1</b>	<b>Structure Figures</b>
<b>Figure C-1</b>	<b>Project Location</b>
<b>Figure C-2</b>	<b>Project Site Boundary</b>
<b>Figure D-1</b>	<b>Alternative Routes</b>
<b>Figure F-1</b>	<b>Detailed Tax Lots</b>

### **Figure G-1 through G-4 Project Maps**

<b>Figure G-1</b>	<b>Detailed Project</b>
<b>Figure G-2</b>	<b>Study Areas</b>
<b>Figure G-3</b>	<b>Protected Areas</b>
<b>Figure G-4</b>	<b>Water Features and Wetlands</b>

### **Figure J-1 through J-5 Resource Maps**

<b>Figure J-1</b>	<b>Washington Ground Squirrel Habitat</b>
<b>Figure J-2</b>	<b>Scenic Areas</b>
<b>Figure J-3</b>	<b>Recreation Areas</b>
<b>Figure J-4</b>	<b>Morrow County Zoning</b>
<b>Figure J-5</b>	<b>Umatilla County Zoning</b>
<b>Figure J-6</b>	<b>Wildfire Burn Probability</b>
<b>Figure J-7</b>	<b>Overall Wildfire Risk</b>

<b>Figure K-1</b>	<b>Public Services</b>
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**FIGURE B-1      PROPOSED 230-KV STRUCTURES**

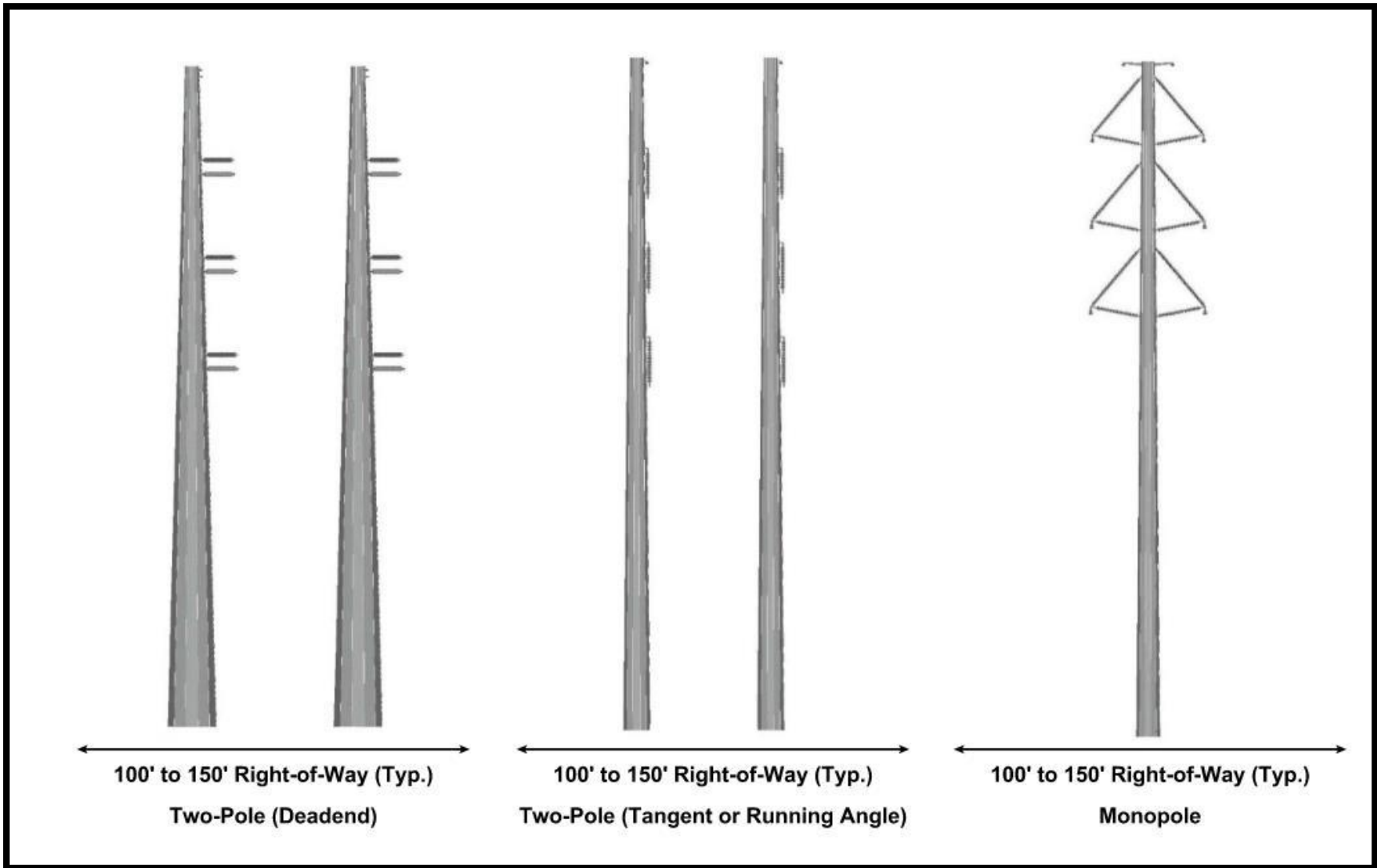
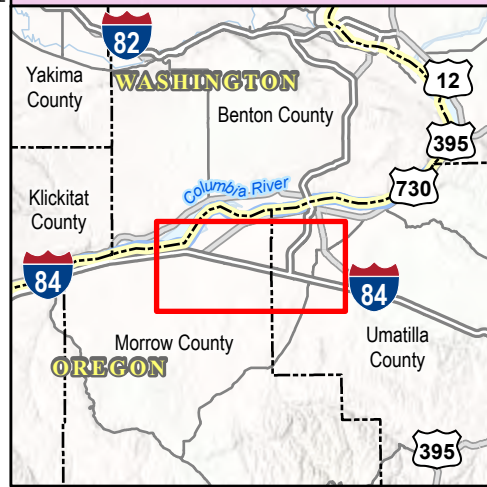
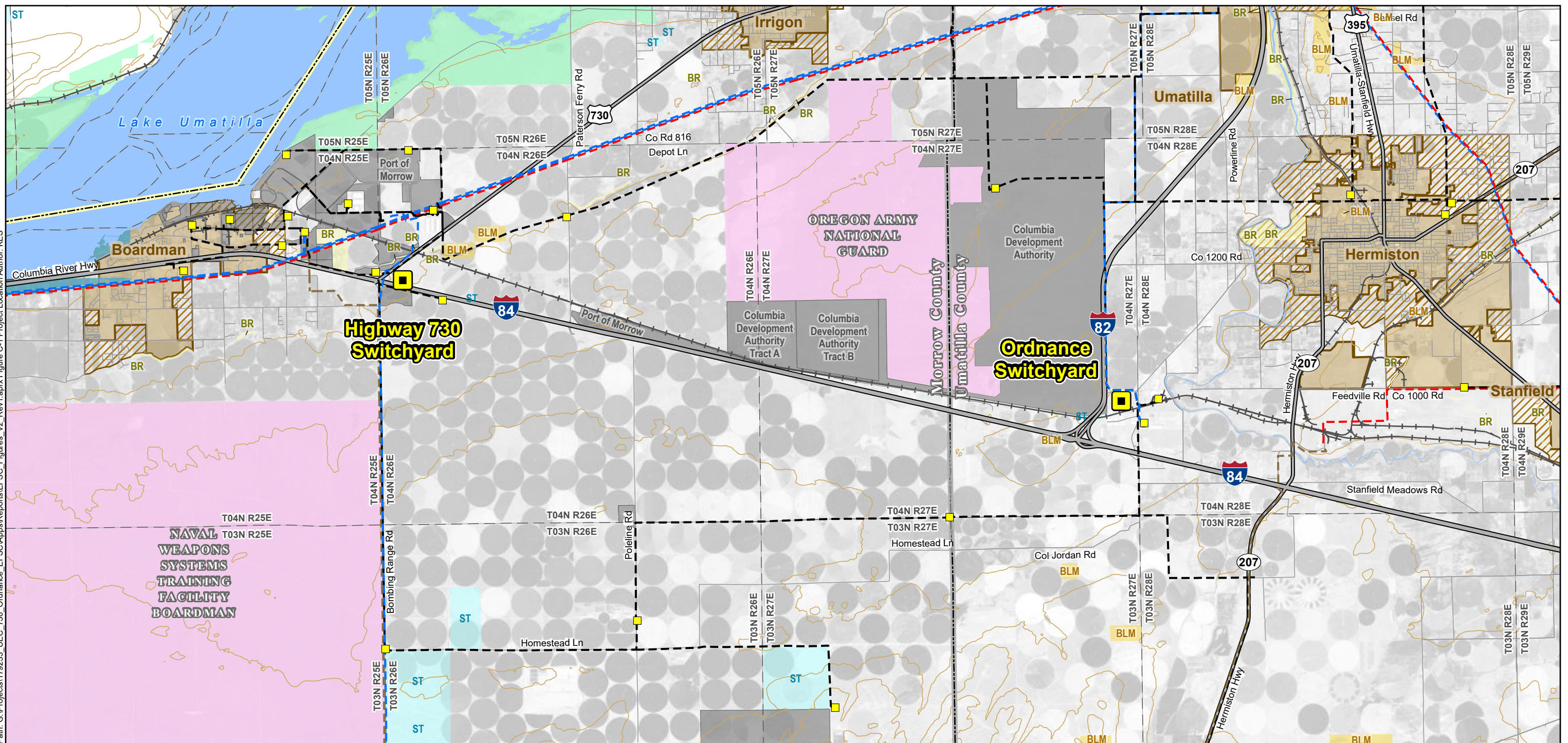


FIGURE B-1 PROPOSED 230 KV STRUCTURES

**FIGURE C-1      PROJECT LOCATION**

Path: G:\Projects\179233\_UEC\_730\_Ordnance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure C-1 Project Location Author: KES



- Project Components**
- Project Endpoint
- Existing Utilities**
- Substation or Switchyard
- Transmission Lines**
- 500 kV
  - 230 kV
  - 115 kV
  - 69 kV

- Transportation**
- Highway
  - Local Road
  - Railroad
- Boundaries**
- State
  - County
  - Township

- Town Boundary
  - Urban Growth Boundary
- Contours**
- 100 foot

- Water Resources (NHD)**
- River or Waterbody
- Ownership**
- Bureau of Land Management (BLM)
  - Bureau of Reclamation (BR)
  - Department of Defense
  - Fish and Wildlife Service
- Local**
- State (ST)
  - US Army Corps of Engineers

UMATILLA-MORROW COUNTY CONNECT PROJECT

Figure C-1  
Project Location

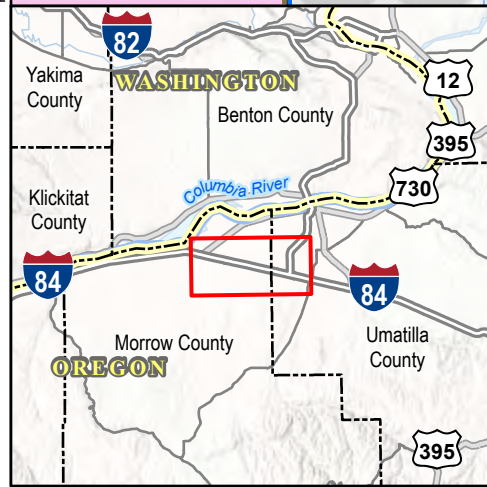
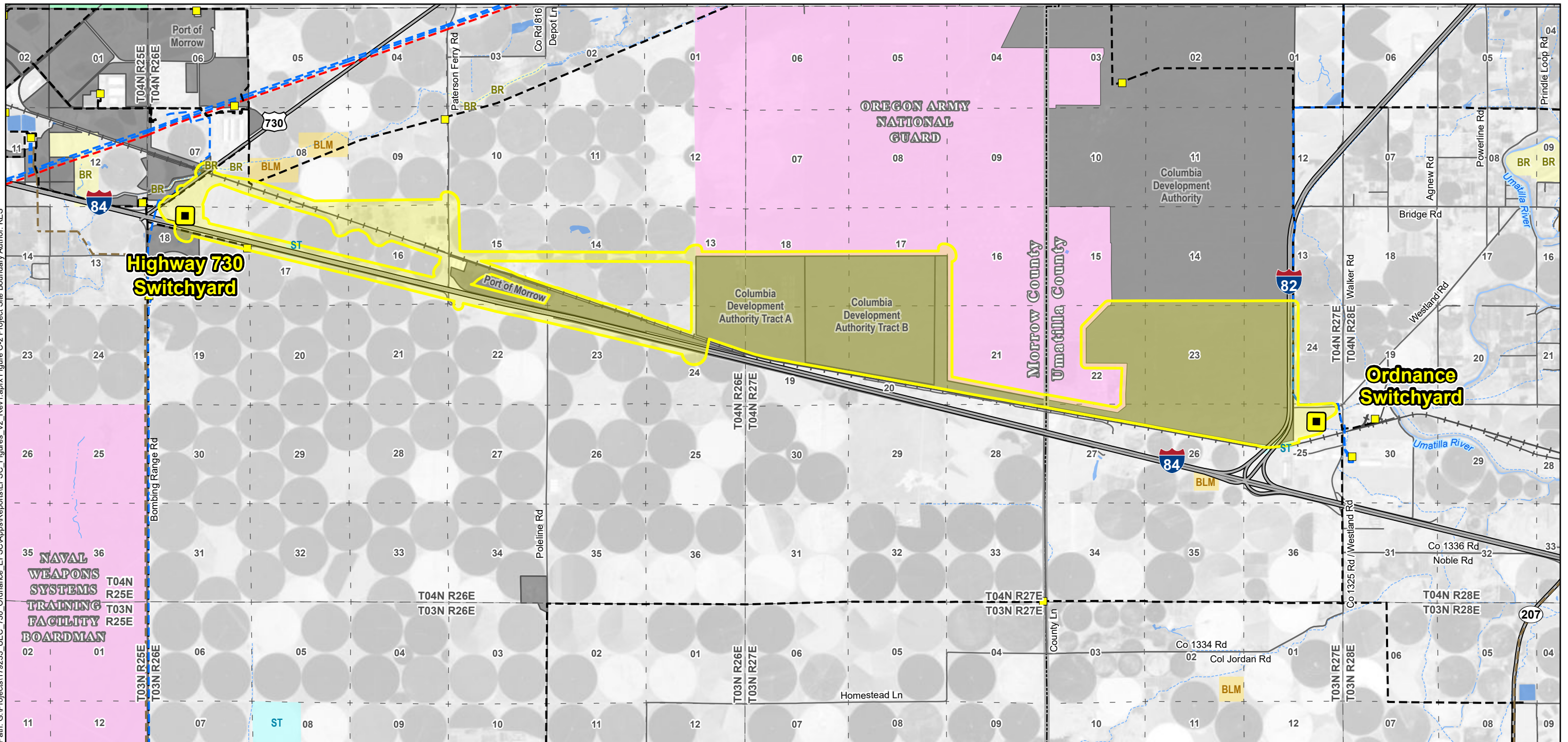


Date: 9/11/2023

**FIGURE C-2 PROJECT SITE BOUNDARY**



Path: G:\Projects\179233\_UEC\_730\_Ordnance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure C-2 Project Site Boundary Author: KES



Project Components	Existing Utilities	Transportation	Water Resources (NHD)	Ownership
<ul style="list-style-type: none"> <li>Project Endpoint</li> <li>Project Site Boundary</li> </ul>	<ul style="list-style-type: none"> <li>Substation or Switchyard</li> <li>Transmission Lines                             <ul style="list-style-type: none"> <li>500 kV</li> <li>230 kV</li> <li>115 kV</li> <li>69 kV</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Highway</li> <li>Local Road</li> <li>Railroad</li> <li>Boundaries                             <ul style="list-style-type: none"> <li>County</li> <li>Township</li> <li>Section</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>River or Perennial Stream</li> <li>Intermittent Stream</li> <li>Aqueduct, Canal or Ditch</li> <li>Waterbody</li> </ul>	<ul style="list-style-type: none"> <li>Bureau of Land Management (BLM)</li> <li>Bureau of Reclamation (BR)</li> <li>Department of Defense</li> <li>Fish and Wildlife Service</li> <li>Local</li> <li>State (ST)</li> </ul>

UMATILLA-MORROW COUNTY CONNECT PROJECT

### Figure C-2 Project Site Boundary

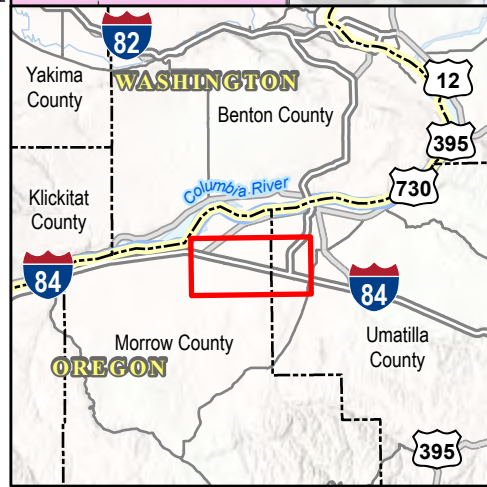
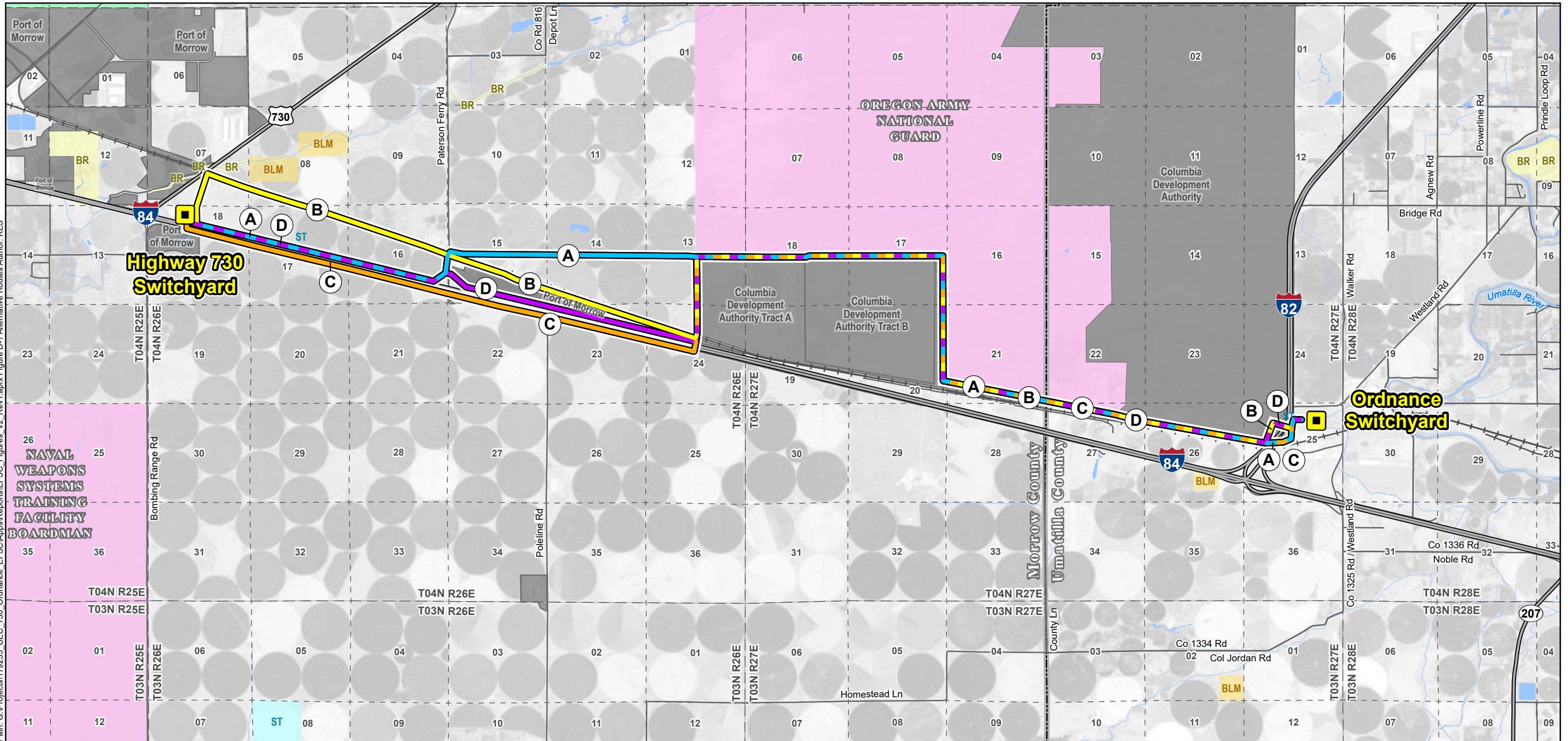
Miles

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Date: 9/11/2023

## FIGURE D-1 ALTERNATIVE ROUTES

Path: G:\Projects\179233\_UJC\_730\_Ordnance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure D-1 Alternative Routes Author: KES



**Project Components**  
 Project Endpoint

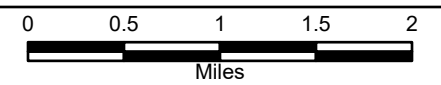
**Alternative Routes**  
 Route A  
 Route B  
 Route C  
 Route D

--- Section  
 - - - Township  
 - - - - County

**Ownership**  
 Bureau of Land Management (BLM)  
 Bureau of Reclamation (BR)  
 Department of Defense  
 Fish and Wildlife Service  
 Local  
 State (ST)

UMATILLA-MORROW COUNTY CONNECT PROJECT

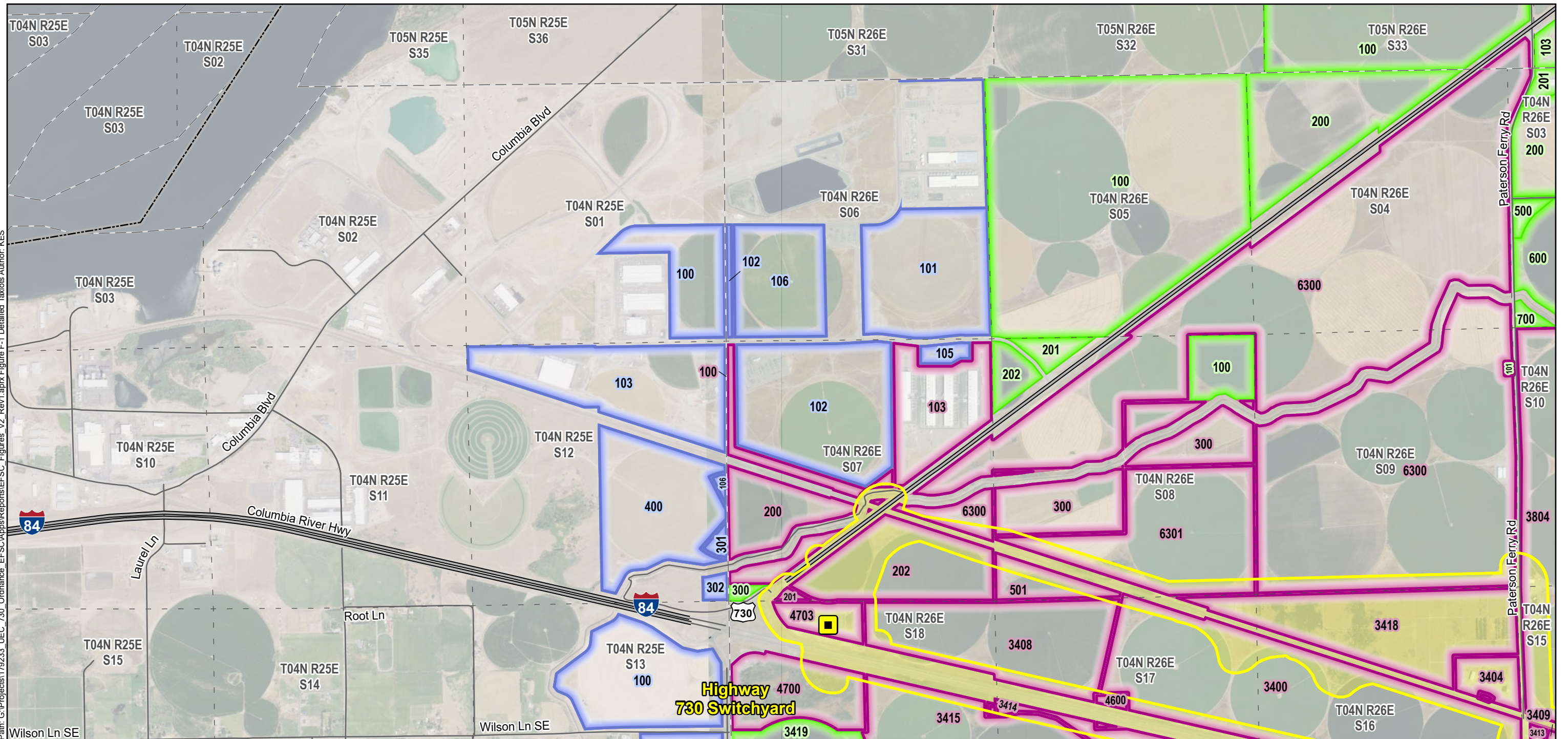
**Figure D-1  
Alternative Routes**



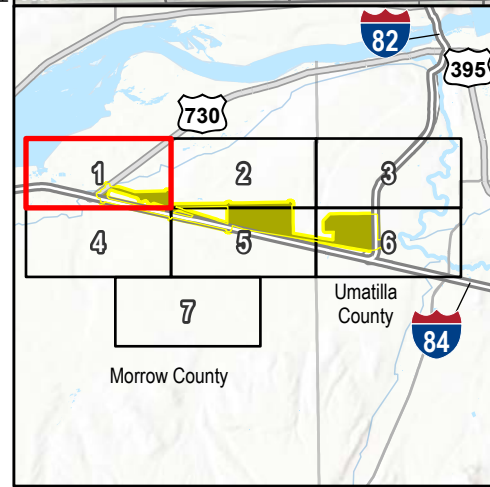
Date: 9/11/2023

**FIGURE F-1      DETAILED TAX LOTS**

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Highway 730 Switchyard**



**Project Components**

- Project Endpoint
- Project Site Boundary

**Transportation**

- Highway
- Local Road

**Boundaries**

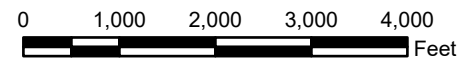
- County
- Township
- Section

**Tax Lots**

- Within Site Boundary
- Tax lots per OAR 345-020-0011(1)*
- 500 ft of Tax Lot Zoned EFU
- 250 ft of Tax Lot not EFU Zoned

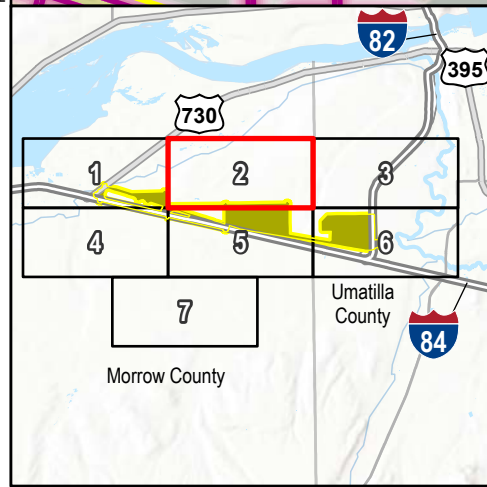
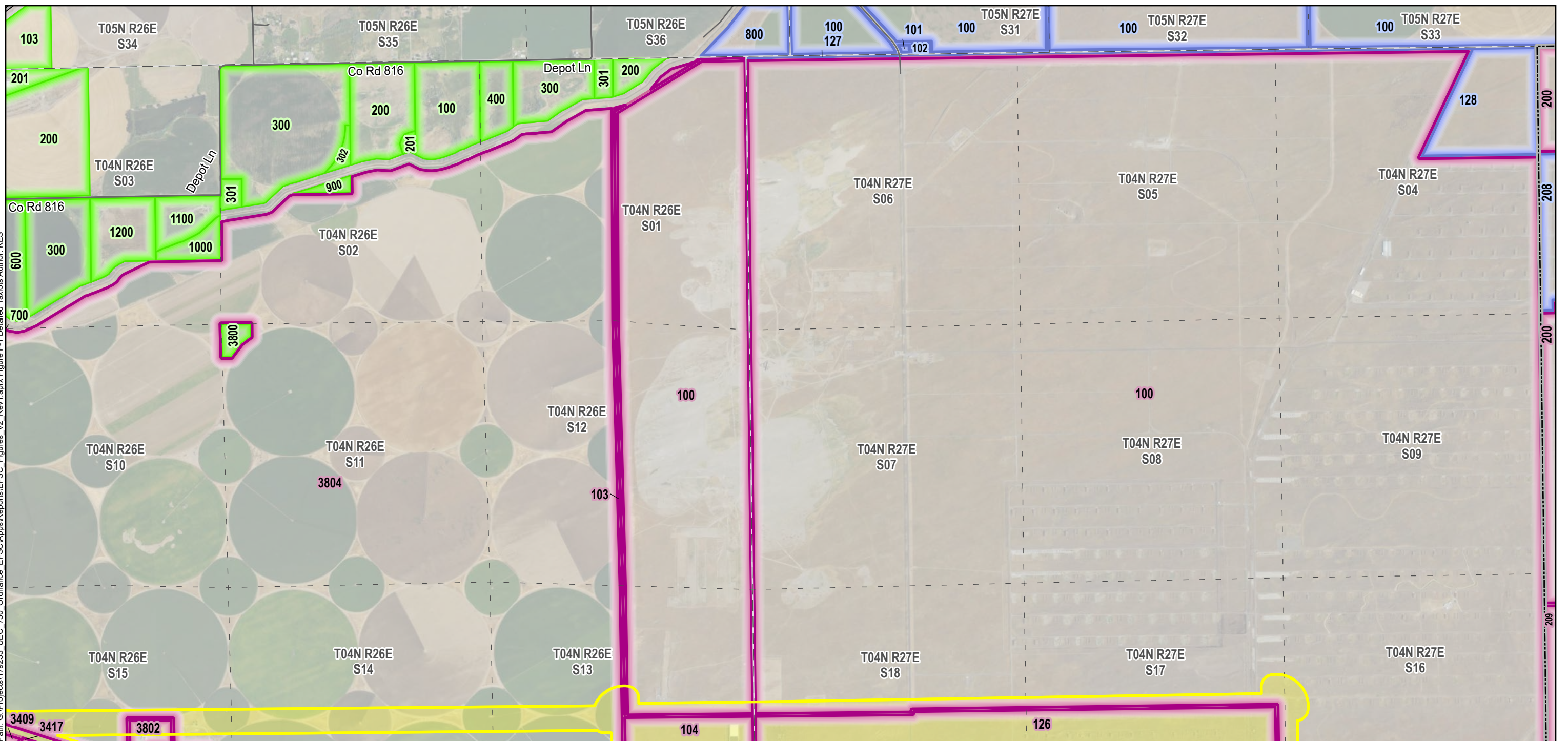
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1**  
Detailed Tax Lots  
Page 1 of 7



Date: 9/20/2023

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Project Components**

- Project Site Boundary

**Transportation**

- Highway
- Local Road

**Boundaries**

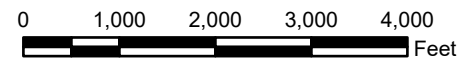
- County
- Township
- Section

**Tax Lots**

- Within Site Boundary
- Tax lots per OAR 345-020-0011(1)*
- 500 ft of Tax Lot Zoned EFU
- 250 ft of Tax Lot not EFU Zoned

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1  
Detailed Tax Lots  
Page 2 of 7**

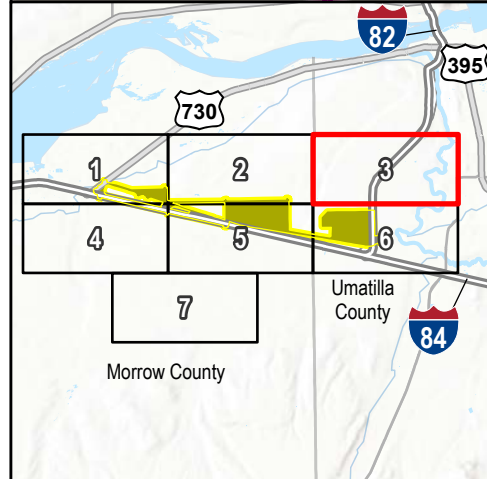
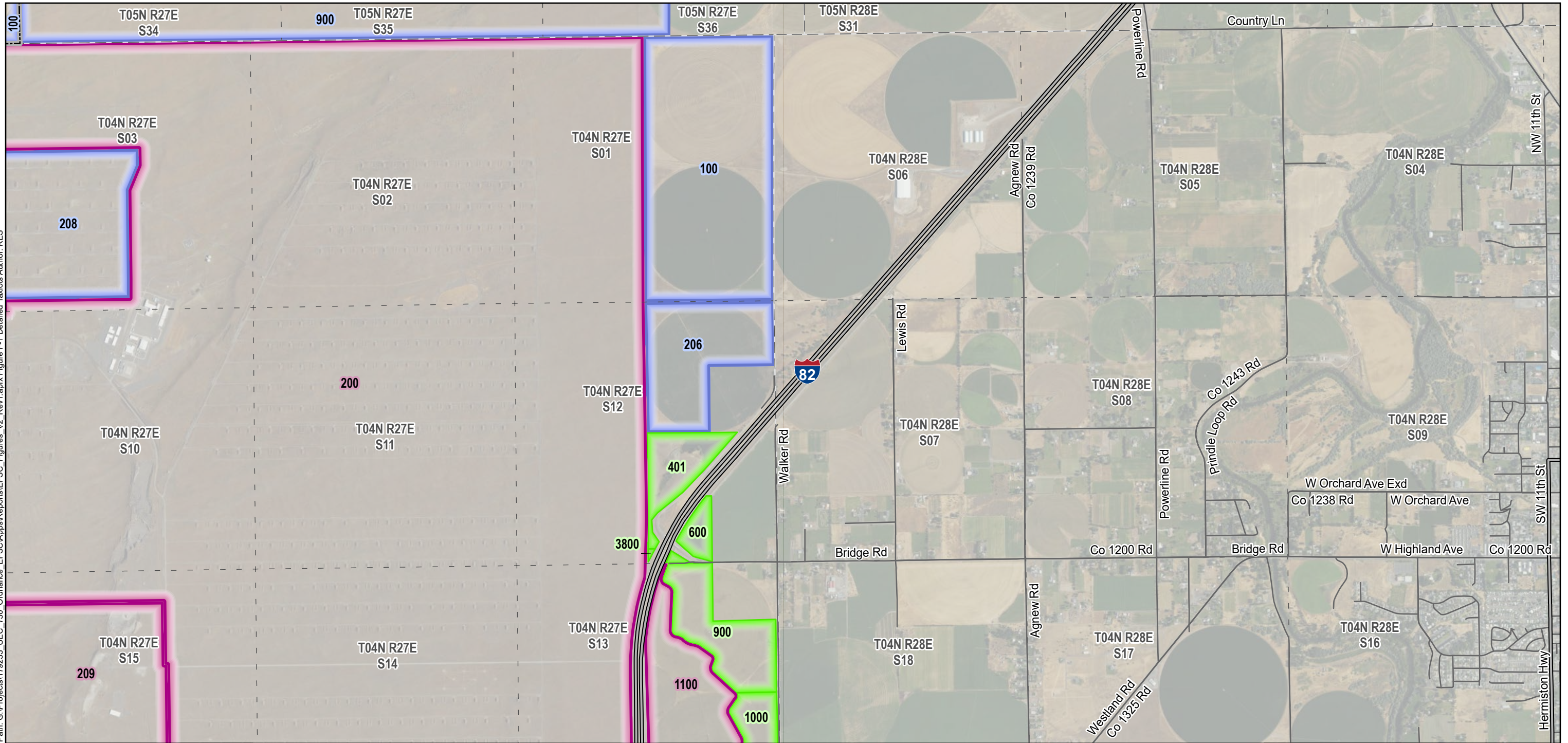


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Date: 9/20/2023

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Project Components**  
 Project Site Boundary

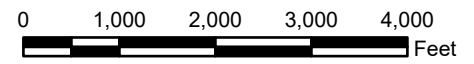
**Transportation**  
 Highway  
 Local Road

**Boundaries**  
 County  
 Township  
 Section

**Tax Lots**  
 Within Site Boundary  
*Tax lots per OAR 345-020-0011(1)*  
 500 ft of Tax Lot Zoned EFU  
 250 ft of Tax Lot not EFU Zoned

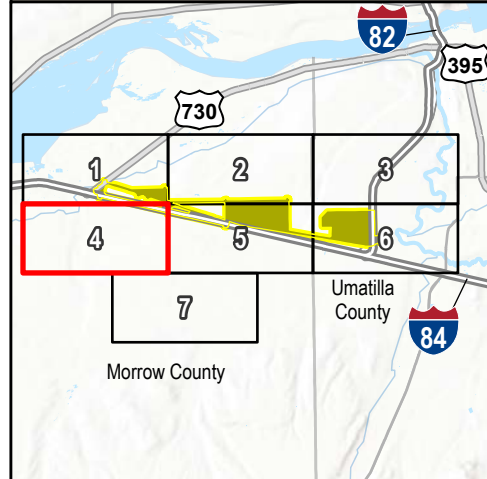
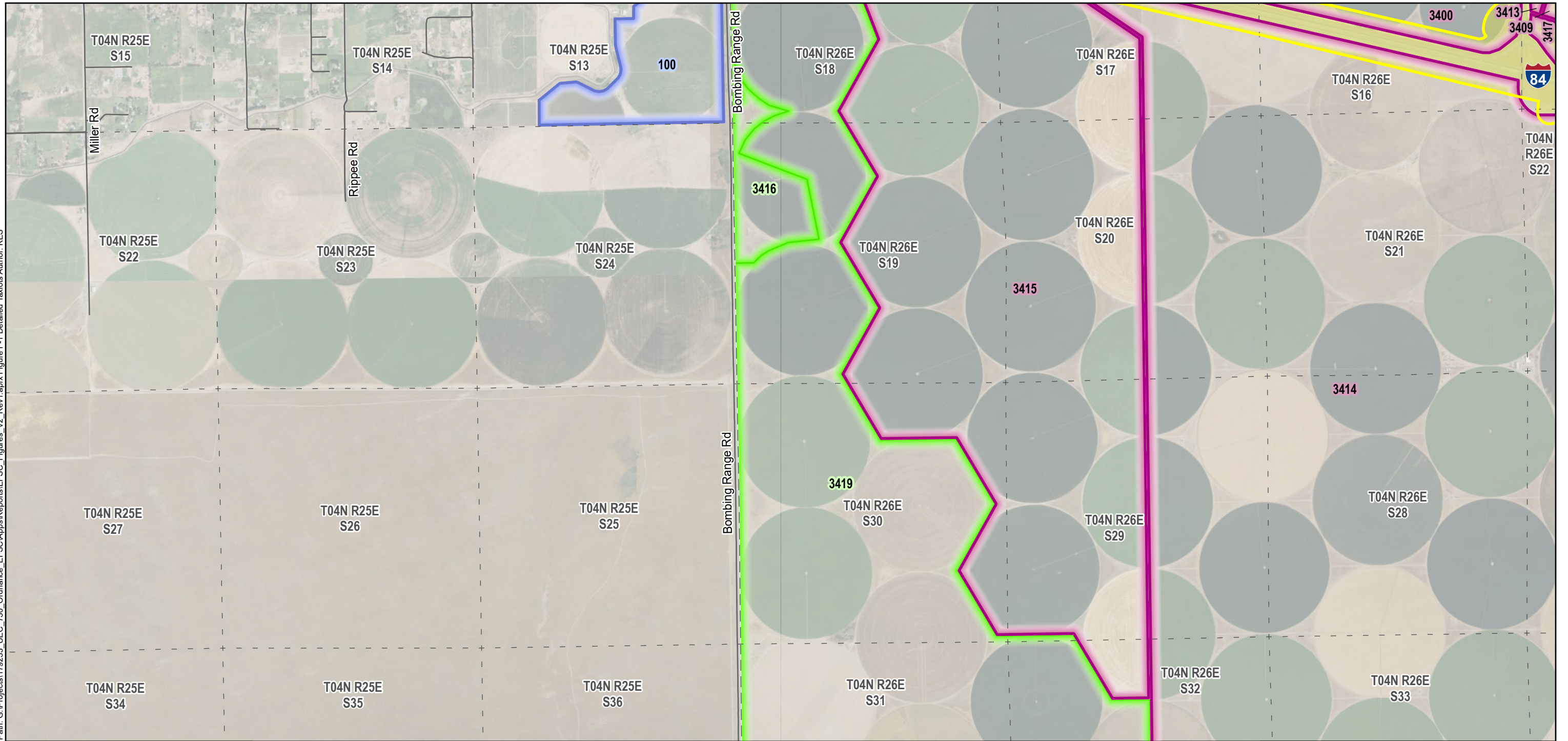
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1**  
**Detailed Tax Lots**  
 Page 3 of 7



Date: 9/20/2023

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Project Components**

Project Site Boundary

**Transportation**

Highway  
 Local Road

**Boundaries**

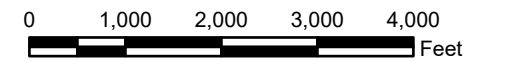
Township  
 Section

**Tax Lots**

Within Site Boundary  
*Tax lots per OAR 345-020-0011(1)*  
 500 ft of Tax Lot Zoned EFU  
 250 ft of Tax Lot not EFU Zoned

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1  
Detailed Tax Lots  
Page 4 of 7**



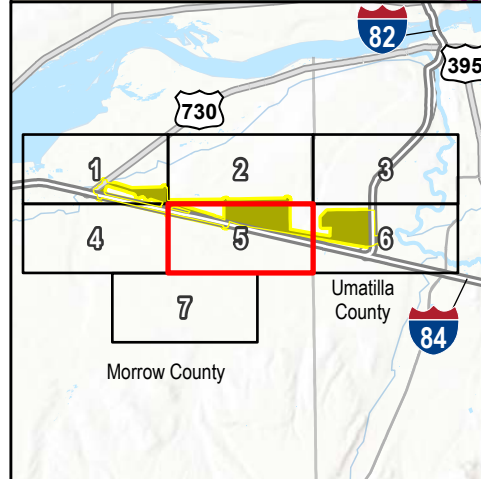
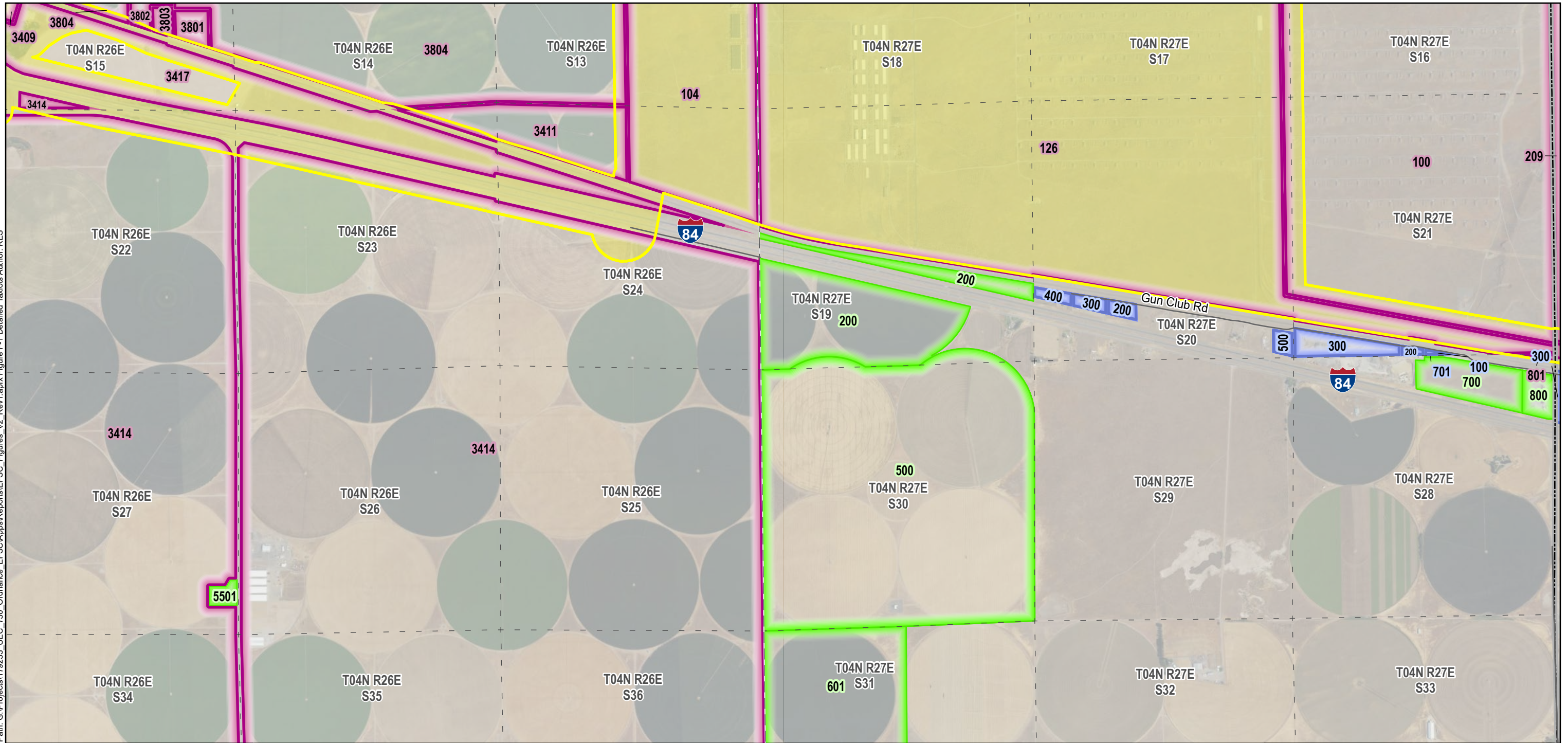
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Date: 9/20/2023



Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Project Components**

Project Site Boundary

**Transportation**

Highway  
 Local Road

**Boundaries**

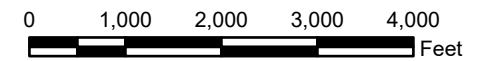
County  
 Township  
 Section

**Tax Lots**

Within Site Boundary  
*Tax lots per OAR 345-020-0011(1)*  
 500 ft of Tax Lot Zoned EFU  
 250 ft of Tax Lot not EFU Zoned

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1  
Detailed Tax Lots  
Page 5 of 7**



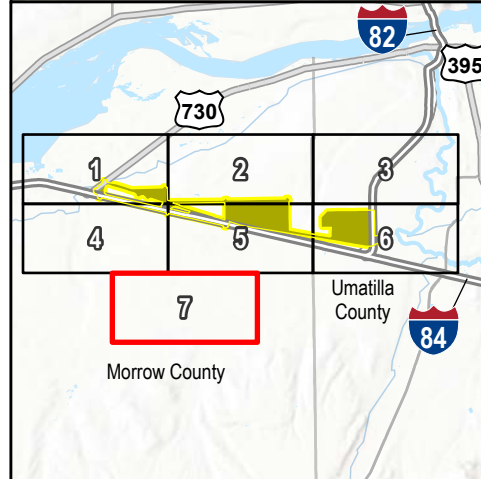
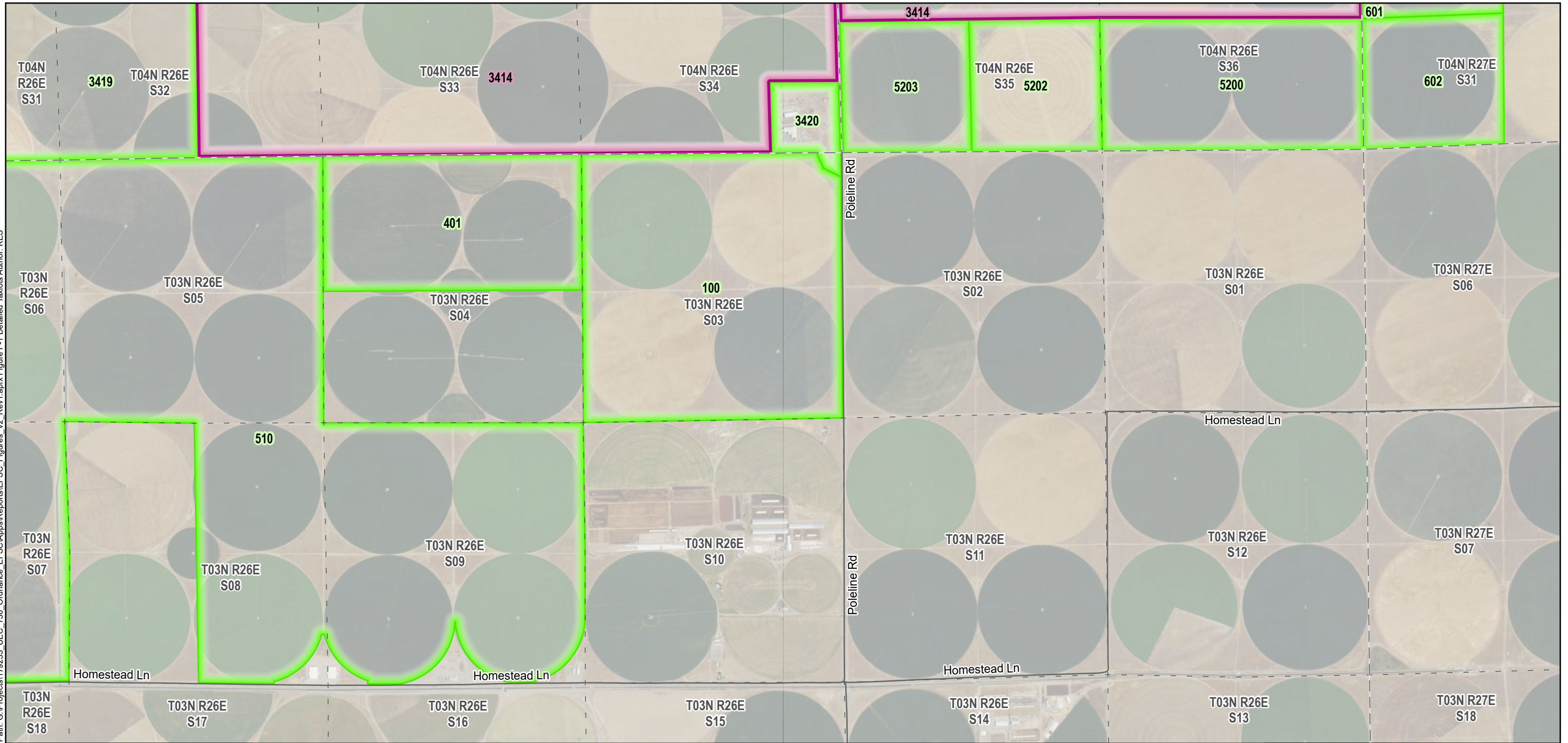
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Date: 9/20/2023



Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure F-1 Detailed Taxlots Author: KES



**Project Components**

Project Site Boundary

**Transportation**

Highway  
 Local Road

**Boundaries**

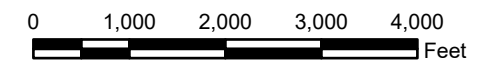
Township  
 Section

**Tax Lots**

Within Site Boundary  
*Tax lots per OAR 345-020-0011(1)*  
 500 ft of Tax Lot Zoned EFU  
 250 ft of Tax Lot not EFU Zoned

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure F-1  
Detailed Tax Lots  
Page 7 of 7**



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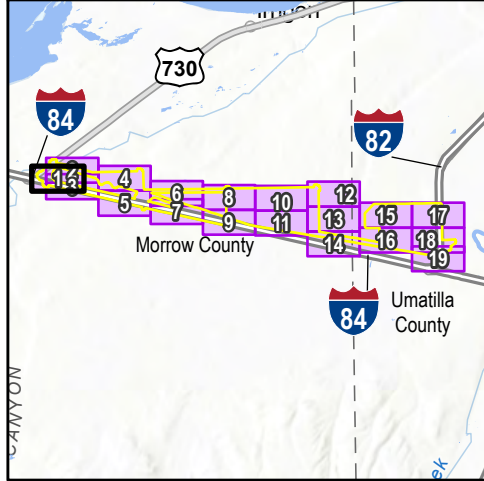
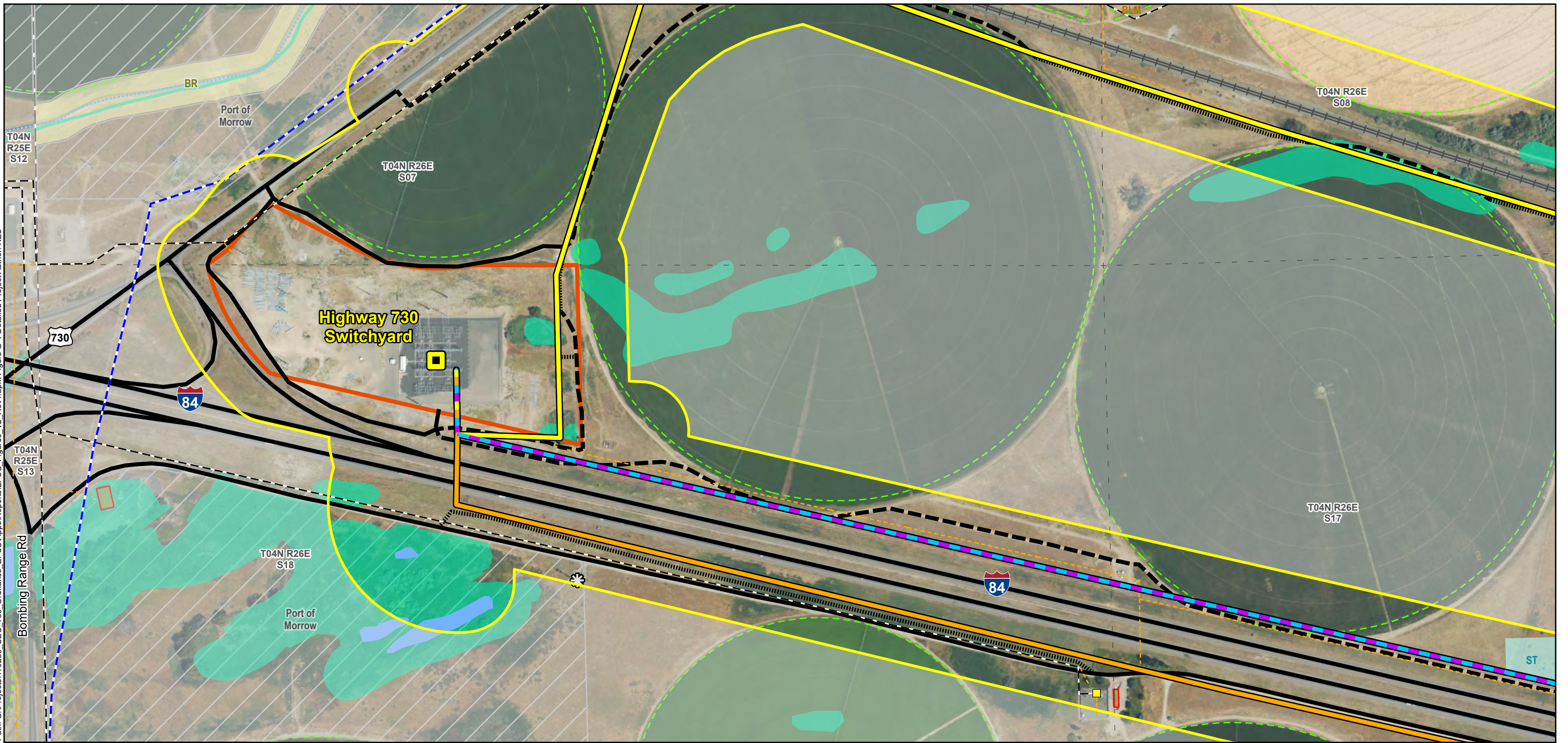


Date: 9/20/2023

## **FIGURE G-1 THROUGH G-4 PROJECT MAPS**

**FIGURE G-1      DETAILED PROJECT**

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx, Figure G-1 Detailed Project Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary

*Routes*

- Route A
- Route B
- Route C
- Route D

*Project Access*

- Existing
- Existing Access, May Need Improvements
- New Access

*Disturbance Areas*

- Substation Area

**Existing Utilities**

- Substation or Switchyard
- 230 kV Transmission Line
- 115 kV Transmission Line
- Overhead Distribution

**Transportation**

- Railroad

**Boundaries**

- Township
- Section

**Constraints**

- Non-residential Building
- Center Pivot Irrigation System
- Canal or Ditch
- Communication Tower

**Waterbody**

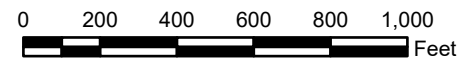
- Waterbody
- Wetland (NWI or MOW)

**Ownership**

- Bureau of Land Management (BLM)
- Bureau of Reclamation (BR)
- Local
- State (ST)

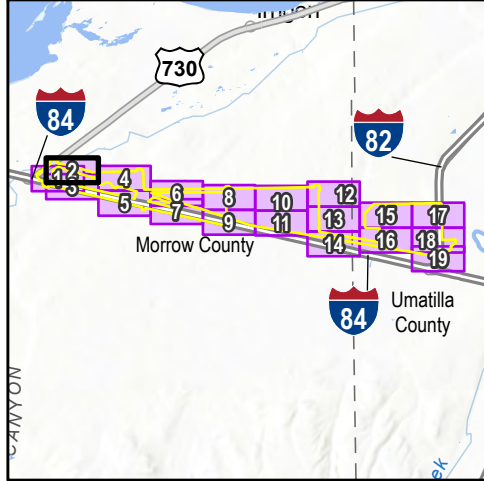
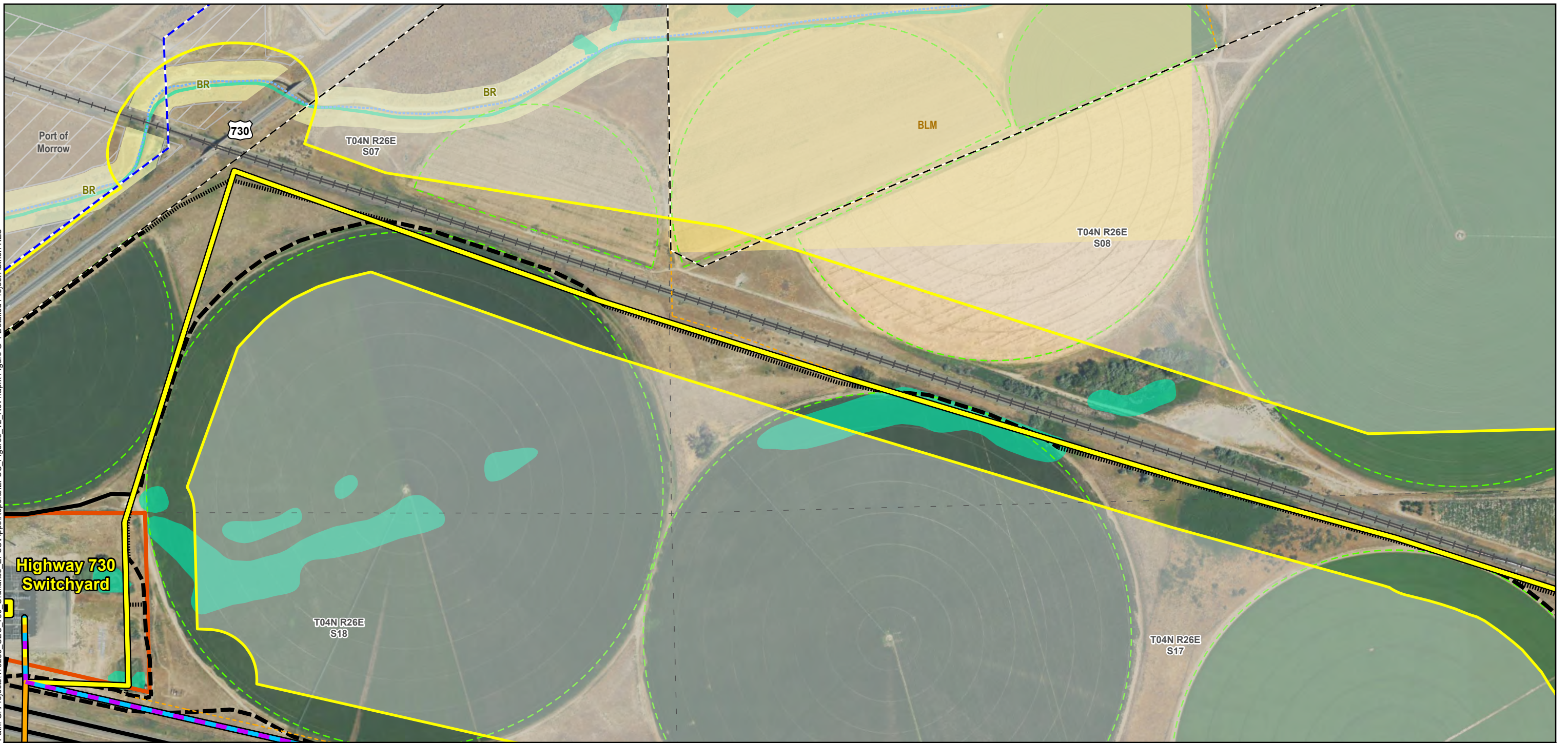
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 1 of 19



Date: 9/11/2023

Path: G:\Projects\170233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-1 Detailed Project Author: KES



<p><b>Project Components</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Project Endpoint</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> Project Site Boundary</li> </ul> <p><b>Routes</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid cyan; margin-right: 5px;"></span> Route A</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> Route B</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid orange; margin-right: 5px;"></span> Route C</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid purple; margin-right: 5px;"></span> Route D</li> </ul>	<p><b>Project Access</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid black; margin-right: 5px;"></span> Existing</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Existing Access, May Need Improvements</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dotted black; margin-right: 5px;"></span> New Access</li> </ul>	<p><b>Disturbance Areas</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border: 1px solid orange; margin-right: 5px;"></span> Substation Area</li> </ul> <p><b>Existing Utilities</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> Substation or Switchyard</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed blue; margin-right: 5px;"></span> 230 kV Transmission Line</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> 115 kV Transmission Line</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed orange; margin-right: 5px;"></span> Overhead Distribution</li> </ul>	<p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed gray; margin-right: 5px;"></span> Railroad</li> </ul> <p><b>Boundaries</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed gray; margin-right: 5px;"></span> Section</li> </ul> <p><b>Constraints</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed green; margin-right: 5px;"></span> Center Pivot Irrigation System</li> </ul>	<p><b>Ownership</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; margin-right: 5px;"></span> Bureau of Land Management (BLM)</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightyellow; margin-right: 5px;"></span> Bureau of Reclamation (BR)</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid gray; margin-right: 5px;"></span> Local</li> </ul>	<p><b>Canal or Ditch</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed blue; margin-right: 5px;"></span> Canal or Ditch</li> </ul> <p><b>Wetland (NWI or MOW)</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightgreen; margin-right: 5px;"></span> Wetland (NWI or MOW)</li> </ul>
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UMATILLA-MORROW COUNTY CONNECT PROJECT

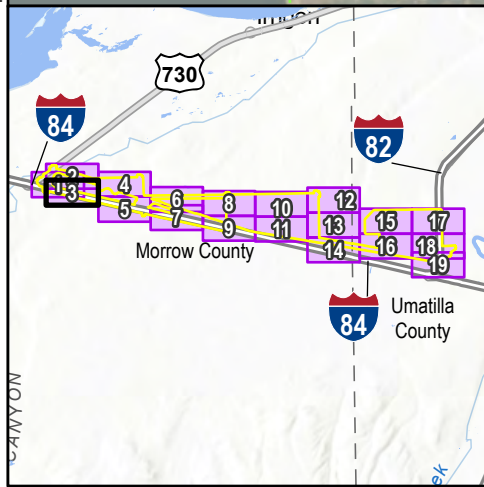
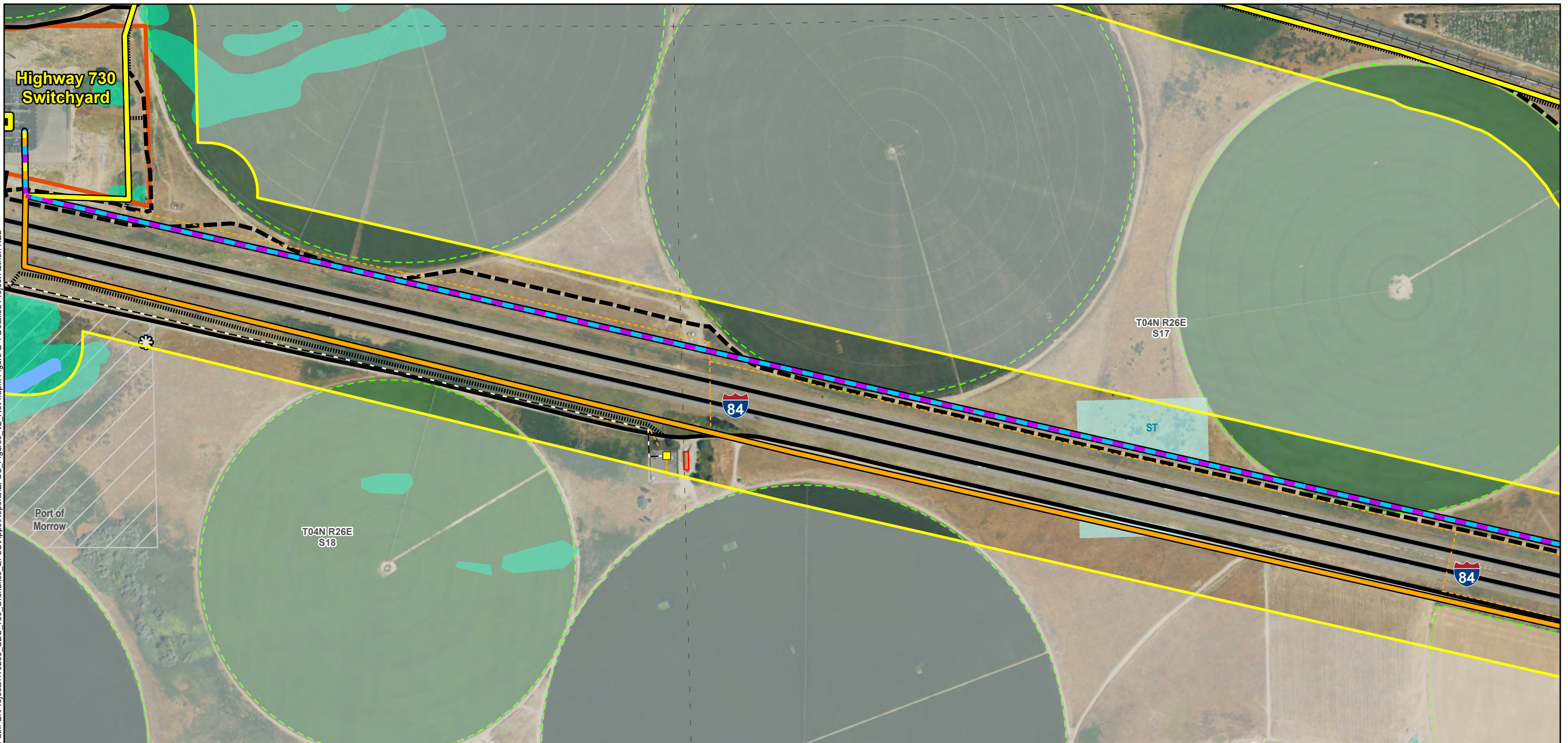
**Figure G-1**  
Detailed Project  
Page 2 of 19

0 200 400 600 800 1,000 Feet

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Date: 9/11/2023

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-1 Detailed Project Author: KES



<p><b>Project Components</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Project Endpoint</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> Project Site Boundary</li> </ul> <p><b>Routes</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid cyan; margin-right: 5px;"></span> Route A</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid yellow; margin-right: 5px;"></span> Route B</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid orange; margin-right: 5px;"></span> Route C</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid purple; margin-right: 5px;"></span> Route D</li> </ul>	<p><b>Project Access</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid black; margin-right: 5px;"></span> Existing</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Existing Access, May Need Improvements</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dotted black; margin-right: 5px;"></span> New Access</li> </ul>	<p><b>Disturbance Areas</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid orange; margin-right: 5px;"></span> Substation Area</li> </ul> <p><b>Existing Utilities</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Substation or Switchyard</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> 115 kV Transmission Line</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed orange; margin-right: 5px;"></span> Overhead Distribution</li> </ul>	<p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Railroad</li> </ul> <p><b>Boundaries</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed black; margin-right: 5px;"></span> Section</li> </ul> <p><b>Constraints</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> Communication Tower</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: brown; border: 1px solid black; margin-right: 5px;"></span> Non-residential Building</li> </ul>	<p><b>Center Pivot Irrigation System</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px dashed green; margin-right: 5px;"></span> Center Pivot Irrigation System</li> </ul> <p><b>Waterbody</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightblue; border: 1px solid blue; margin-right: 5px;"></span> Waterbody</li> </ul> <p><b>Wetland (NWI or MOW)</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightgreen; border: 1px solid green; margin-right: 5px;"></span> Wetland (NWI or MOW)</li> </ul> <p><b>Ownership</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid gray; margin-right: 5px;"></span> Local</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: cyan; border: 1px solid cyan; margin-right: 5px;"></span> State (ST)</li> </ul>
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UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 3 of 19

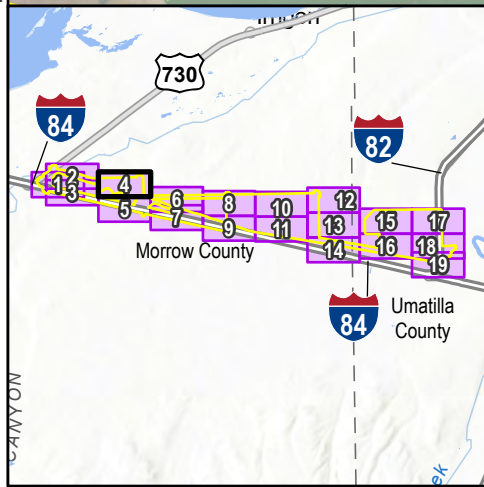
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Date: 9/11/2023



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- Project Components**
- Project Site Boundary
  - Routes
    - Route A
    - Route B

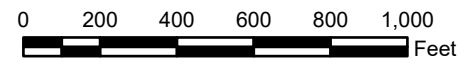
- Project Access**
- Existing
  - Existing Access, May Need Improvements
  - New Access

- Existing Utilities**
- Overhead Distribution
- Transportation**
- Railroad
- Boundaries**
- Section

- Constraints**
- Residential Building
  - Non-residential Building
  - Center Pivot Irrigation System
  - Wetland (NWI or MOW)

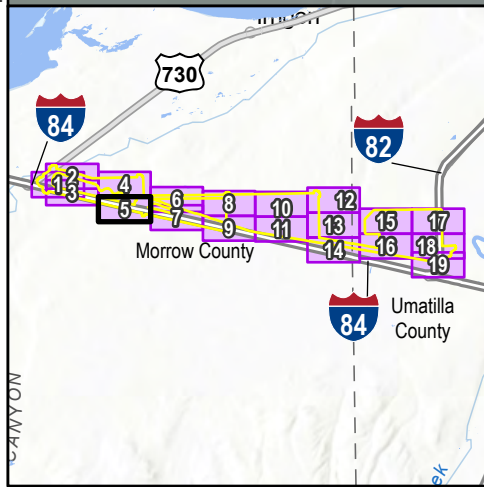
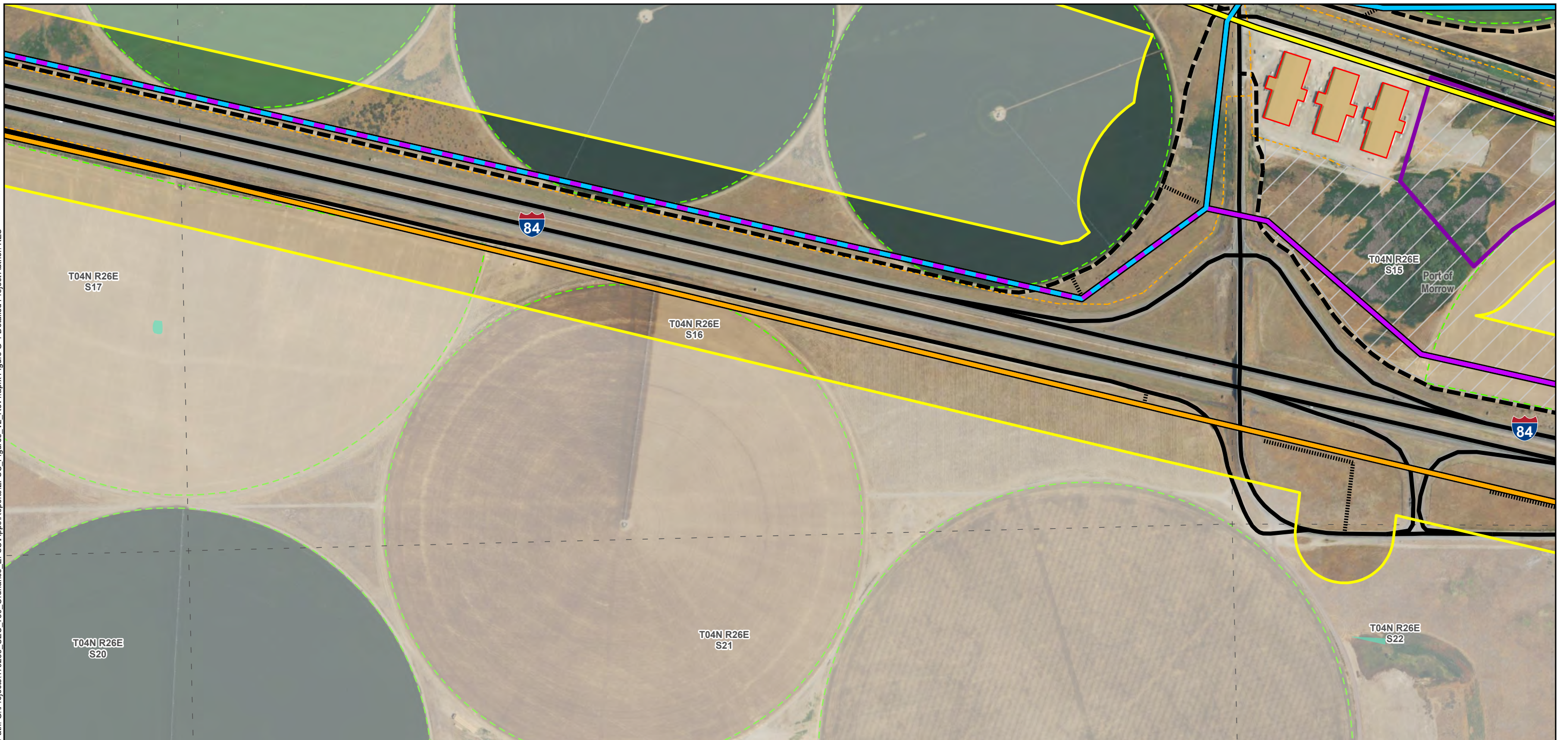
UMATILLA-MORROW COUNTY CONNECT PROJECT

Figure G-1  
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- Project Components**
- Project Site Boundary
- Routes**
- Route A
  - Route B
  - Route C
  - Route D

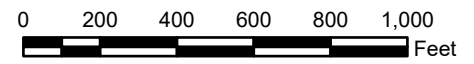
- Project Access**
- Existing
  - Existing Access, May Need Improvements
  - New Access
- Disturbance Areas**
- Yard

- Existing Utilities**
- Overhead Distribution
- Transportation**
- Railroad
- Boundaries**
- Section

- Constraints**
- Non-residential Building
  - Center Pivot Irrigation System
  - Wetland (NWI or MOW)
- Ownership**
- Local

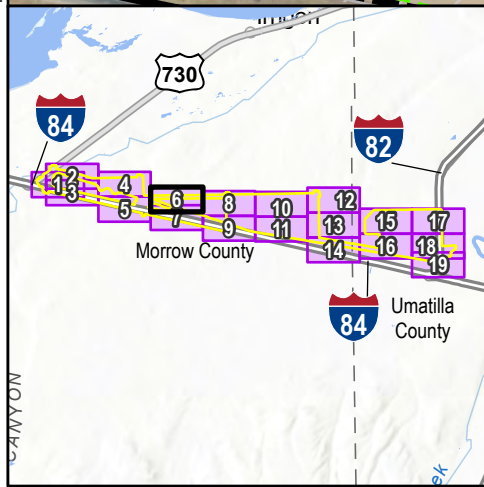
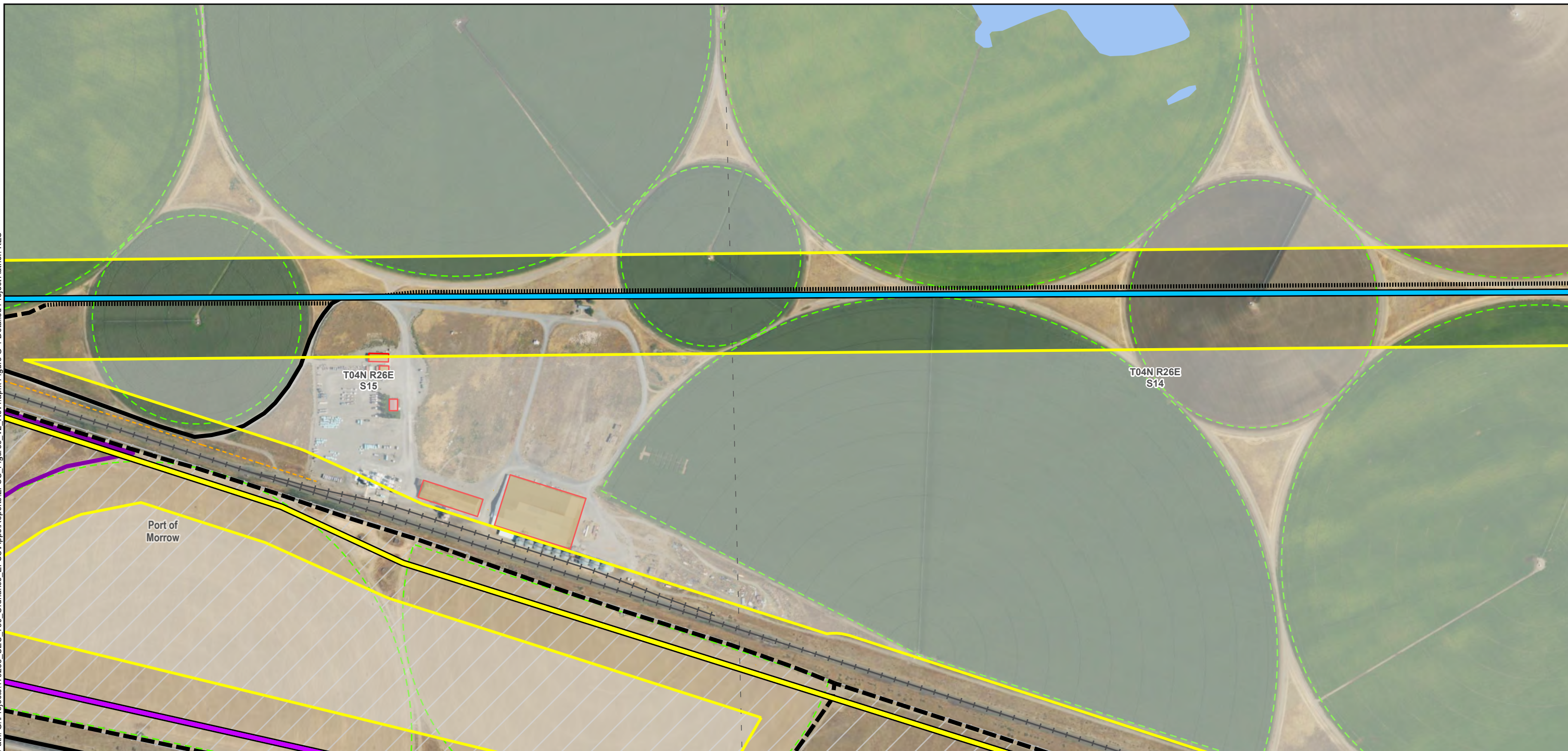
UMATILLA-MORROW COUNTY CONNECT PROJECT

Figure G-1  
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<p><b>Project Components</b></p> <ul style="list-style-type: none"> <li><span style="border: 2px solid yellow; display: inline-block; width: 20px; height: 10px;"></span> Project Site Boundary</li> </ul> <p><b>Routes</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid cyan; width: 20px;"></span> Route A</li> <li><span style="border-bottom: 2px solid yellow; width: 20px;"></span> Route B</li> <li><span style="border-bottom: 2px solid purple; width: 20px;"></span> Route D</li> </ul>	<p><b>Project Access</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px;"></span> Existing</li> <li><span style="border-bottom: 2px dashed black; width: 20px;"></span> Existing Access, May Need Improvements</li> <li><span style="border-bottom: 2px dotted black; width: 20px;"></span> New Access</li> </ul> <p><b>Disturbance Areas</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid purple; display: inline-block; width: 15px; height: 10px;"></span> Yard</li> </ul>	<p><b>Existing Utilities</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px dashed orange; width: 20px;"></span> Overhead Distribution</li> </ul> <p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; position: relative; top: -2px;"><span style="position: absolute; top: 5px; left: 5px; width: 2px; height: 2px;"></span><span style="position: absolute; top: 5px; right: 5px; width: 2px; height: 2px;"></span></span> Railroad</li> </ul> <p><b>Boundaries</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 1px dashed gray; width: 20px;"></span> Section</li> </ul> <p><b>Constraints</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Residential Building</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid brown; display: inline-block; width: 15px; height: 10px;"></span> Non-residential Building</li> <li><span style="border: 2px dashed green; display: inline-block; width: 15px; height: 10px;"></span> Center Pivot Irrigation System</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue;"></span> Waterbody</li> </ul> <p><b>Ownership</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid gray; display: inline-block; width: 15px; height: 10px;"></span> Local</li> </ul>
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UMATILLA-MORROW COUNTY CONNECT PROJECT

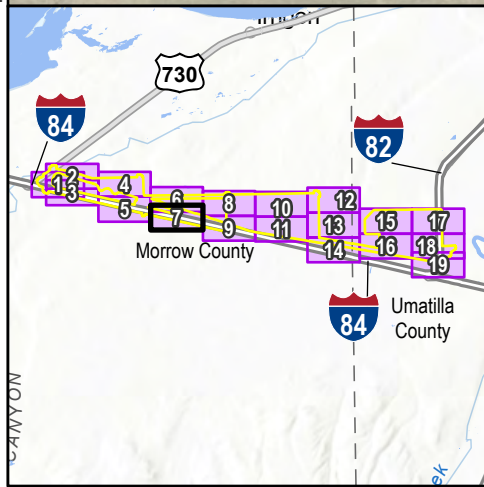
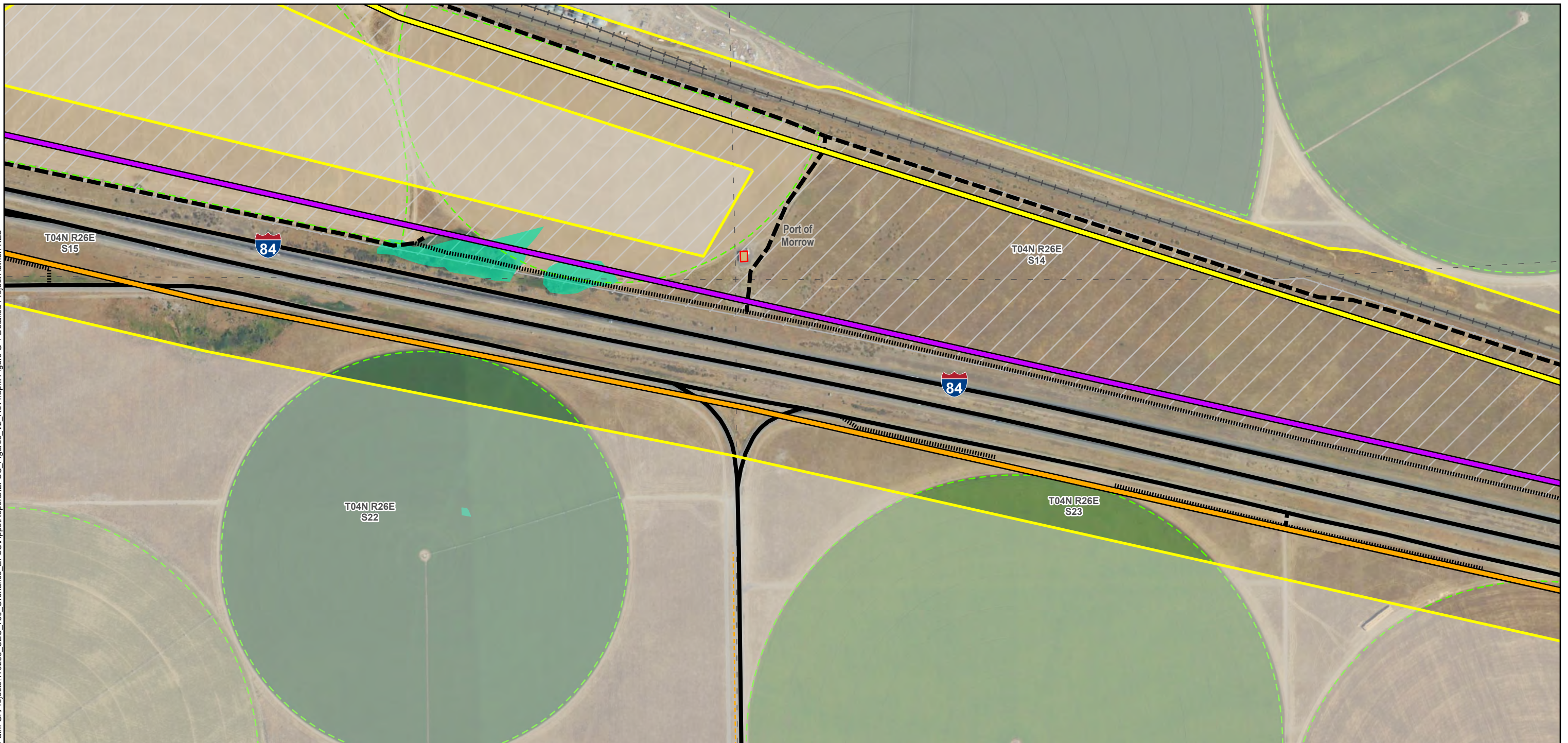
**Figure G-1**  
Detailed Project  
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Date: 9/11/2023

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**Project Components**

- Project Site Boundary
- Routes**
- Route B
- Route C
- Route D

**Project Access**

- Existing
- Existing Access, May Need Improvements
- New Access

**Existing Utilities**

- Overhead Distribution

**Transportation**

- Railroad

**Boundaries**

- Section

**Constraints**

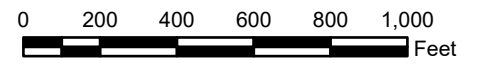
- Non-residential Building

- Center Pivot Irrigation System
- Wetland (NWI or MOW)

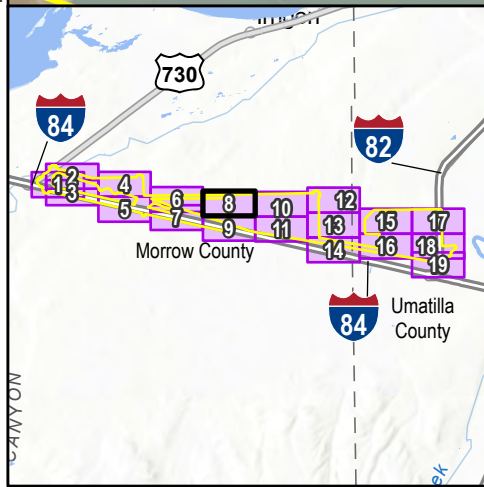
**Ownership**

- Local

**Figure G-1**  
Detailed Project  
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**Project Components**

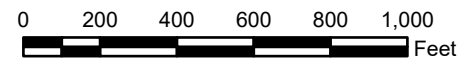
- Project Site Boundary
- Route A
- Route B
- Route C

- Route D
- Project Access*
- Existing
- New Access
- Boundaries**
- Township

- Section
- Constraints**
- Center Pivot Irrigation System
- Ownership**
- Local
- Department of Defense

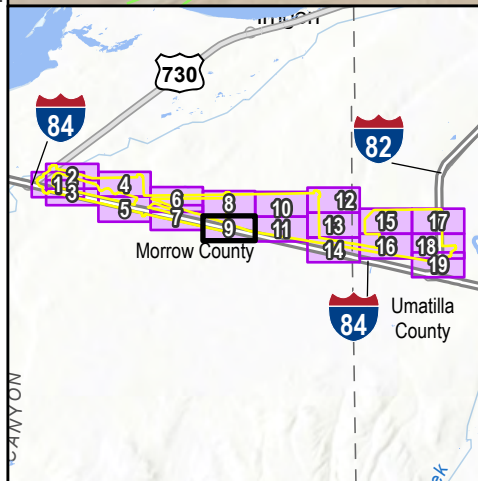
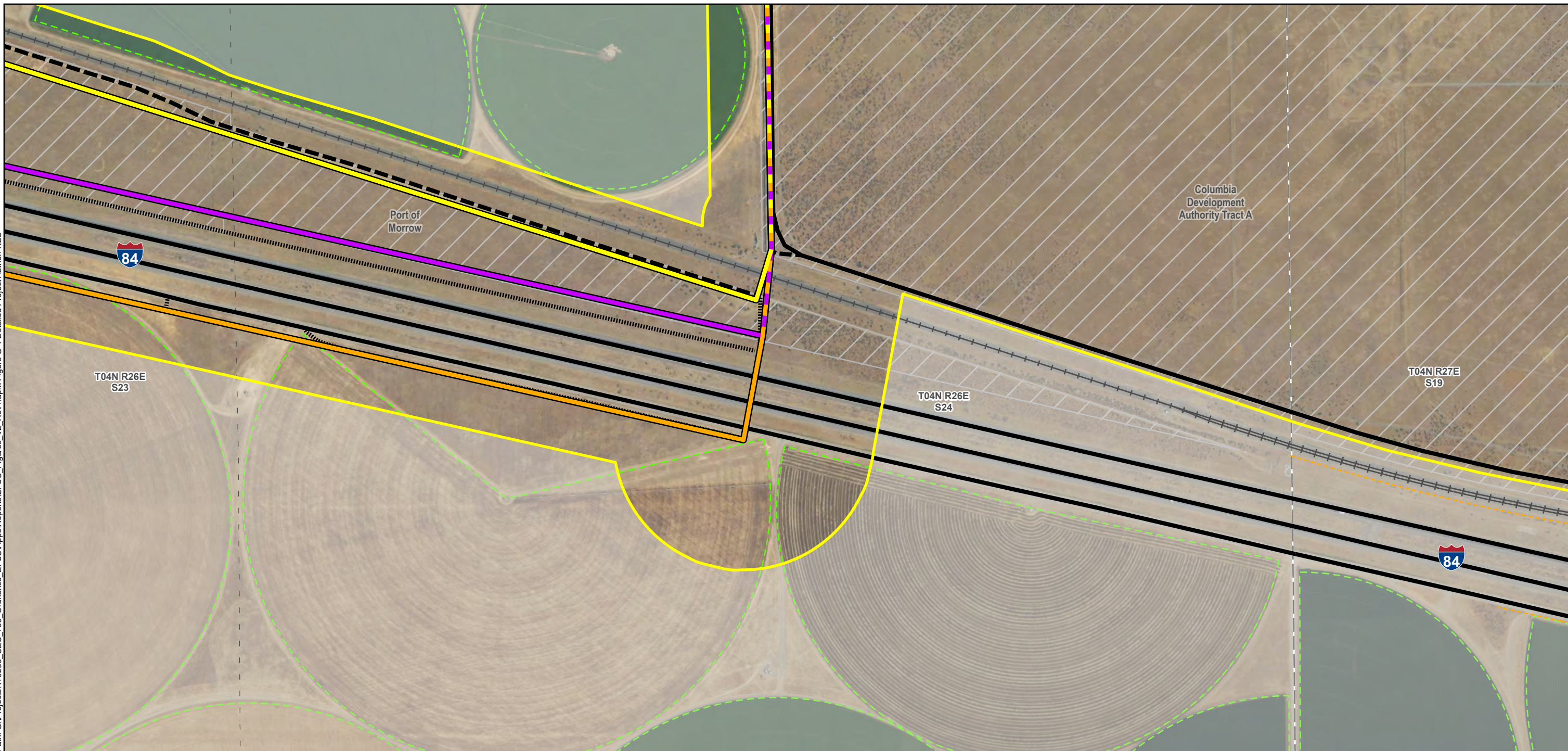
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1  
Detailed Project  
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<b>Project Components</b> Project Site Boundary <b>Routes</b> Route B Route C Route D		<b>Project Access</b> Existing Existing Access, May Need Improvements New Access		<b>Existing Utilities</b> Overhead Distribution <b>Transportation</b> Railroad <b>Boundaries</b> Township		Section <b>Constraints</b> Center Pivot Irrigation System <b>Ownership</b> Local	
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UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 9 of 19

0 200 400 600 800 1,000 Feet

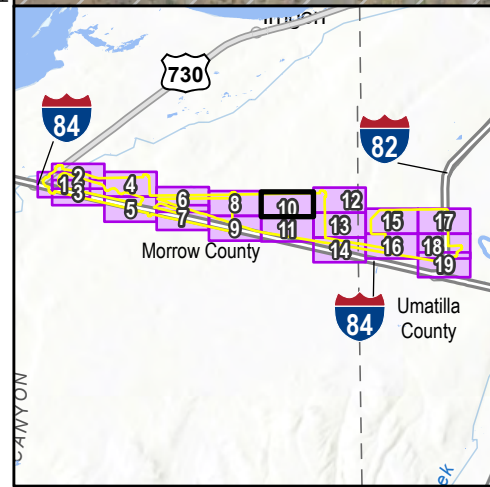
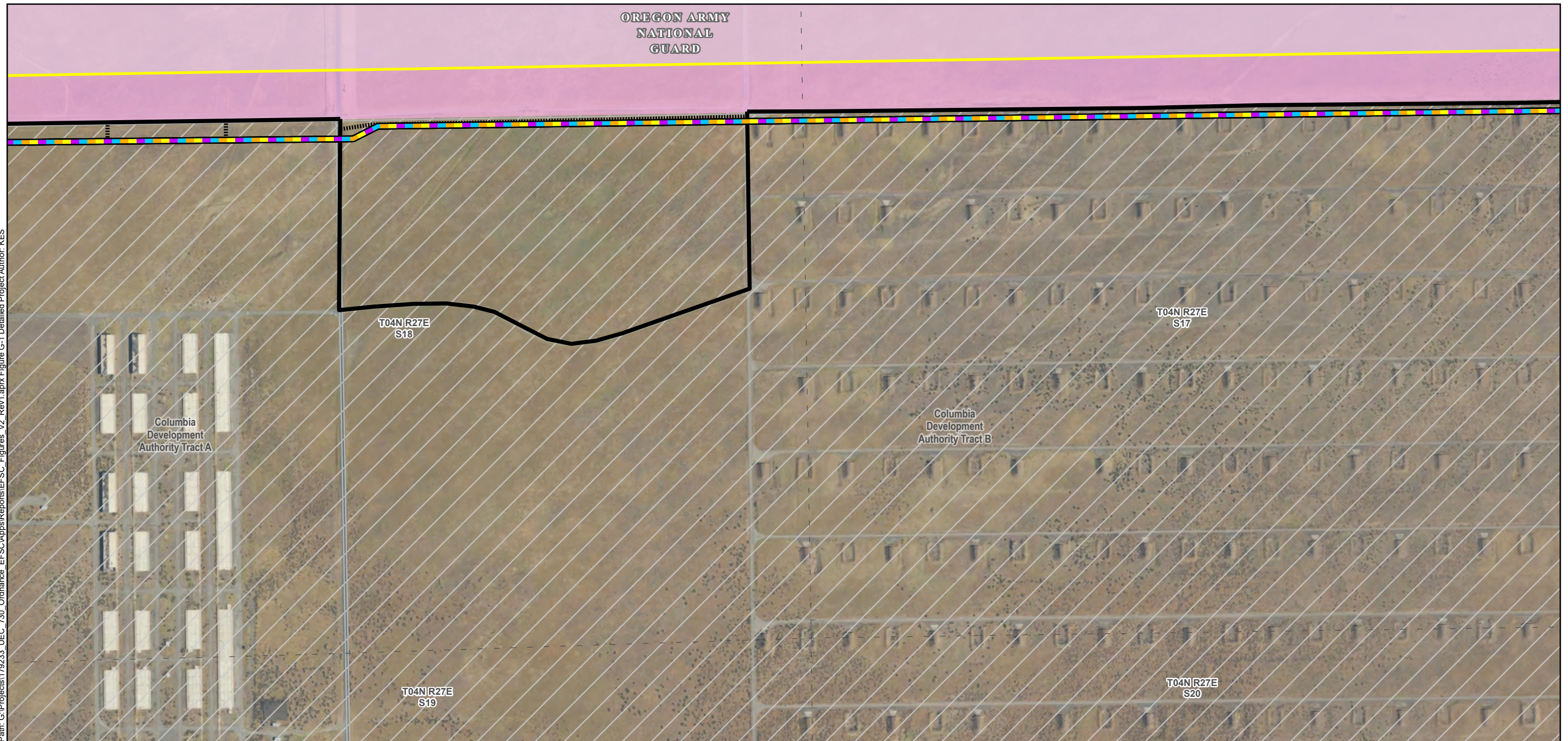
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**POWER ENGINEERS**

**UEC** UMATILLA ELECTRIC COOPERATIVE

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<b>Project Components</b>		<b>Boundaries</b>	
Project Site Boundary	Route C	Section	Department of Defense
<b>Routes</b>	Route D	<b>Ownership</b>	
Route A	<b>Project Access</b>	Local	
Route B	Existing	Department of Defense	
	New Access		

UMATILLA-MORROW COUNTY CONNECT PROJECT

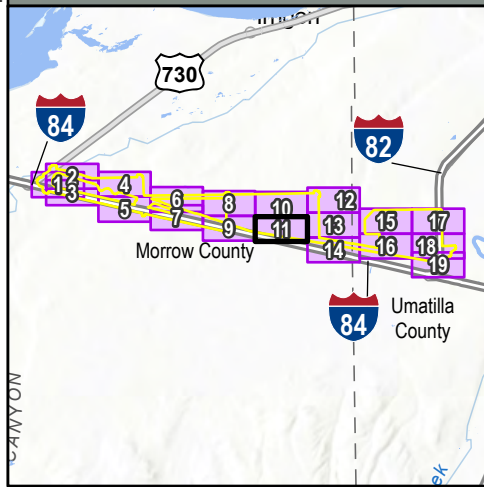
**Figure G-1**  
Detailed Project  
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0 200 400 600 800 1,000 Feet

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<p><b>Project Components</b></p> <p><span style="border: 2px solid yellow; display: inline-block; width: 15px; height: 10px;"></span> Project Site Boundary</p> <p><i>Project Access</i></p> <p><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Existing</p> <p><b>Existing Utilities</b></p> <p><span style="border-bottom: 2px dashed orange; width: 20px; display: inline-block;"></span> Overhead Distribution</p>	<p><b>Transportation</b></p> <p><span style="border-bottom: 2px dashed gray; width: 20px; display: inline-block;"></span> Railroad</p> <p><b>Boundaries</b></p> <p><span style="border-bottom: 1px dashed gray; width: 20px; display: inline-block;"></span> Section</p> <p><b>Constraints</b></p> <p><span style="border: 1px solid red; width: 15px; height: 10px; display: inline-block;"></span> Residential Building</p>	<p><span style="border: 1px solid orange; width: 15px; height: 10px; display: inline-block;"></span> Non-residential Building</p> <p><span style="border: 2px dashed green; width: 15px; height: 10px; display: inline-block;"></span> Center Pivot Irrigation System</p> <p><b>Ownership</b></p> <p><span style="border: 1px solid gray; width: 15px; height: 10px; display: inline-block;"></span> Local</p>
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UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
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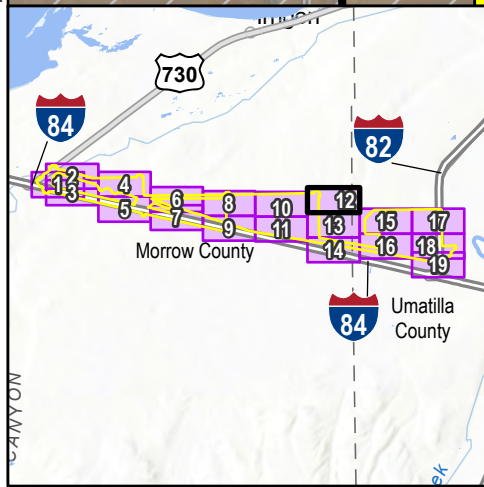
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<b>Project Components</b>		Route D	County
Project Site Boundary	Project Access	Existing	Constraints
Routes	New Access	Boundaries	Waterbody
Route A		Section	Ownership
Route B			Local
Route C			Department of Defense

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
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0 200 400 600 800 1,000 Feet

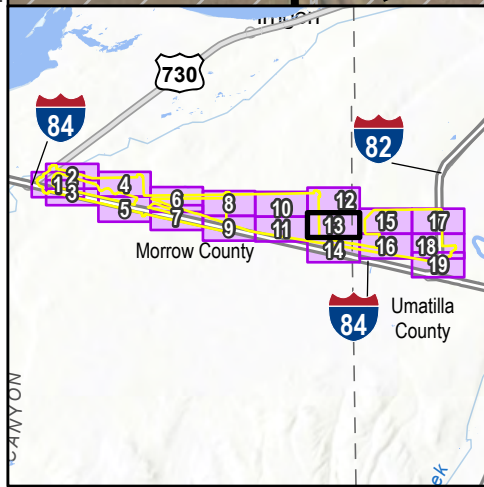
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**POWER ENGINEERS**

**UEC** UMATILLA ELECTRIC COOPERATIVE

Date: 9/11/2023

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**Project Components**

- Project Site Boundary
- Route A
- Route B
- Route C

*Routes*

- Route D
- Project Access*
- Existing
- Existing Access, May Need Improvements
- New Access

**Boundaries**

- Section
- County

**Ownership**

- Local
- Department of Defense

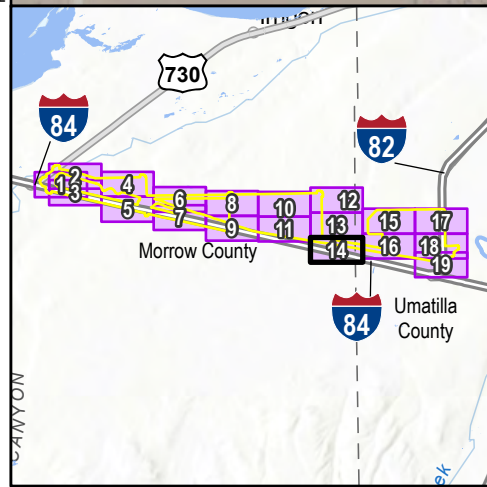
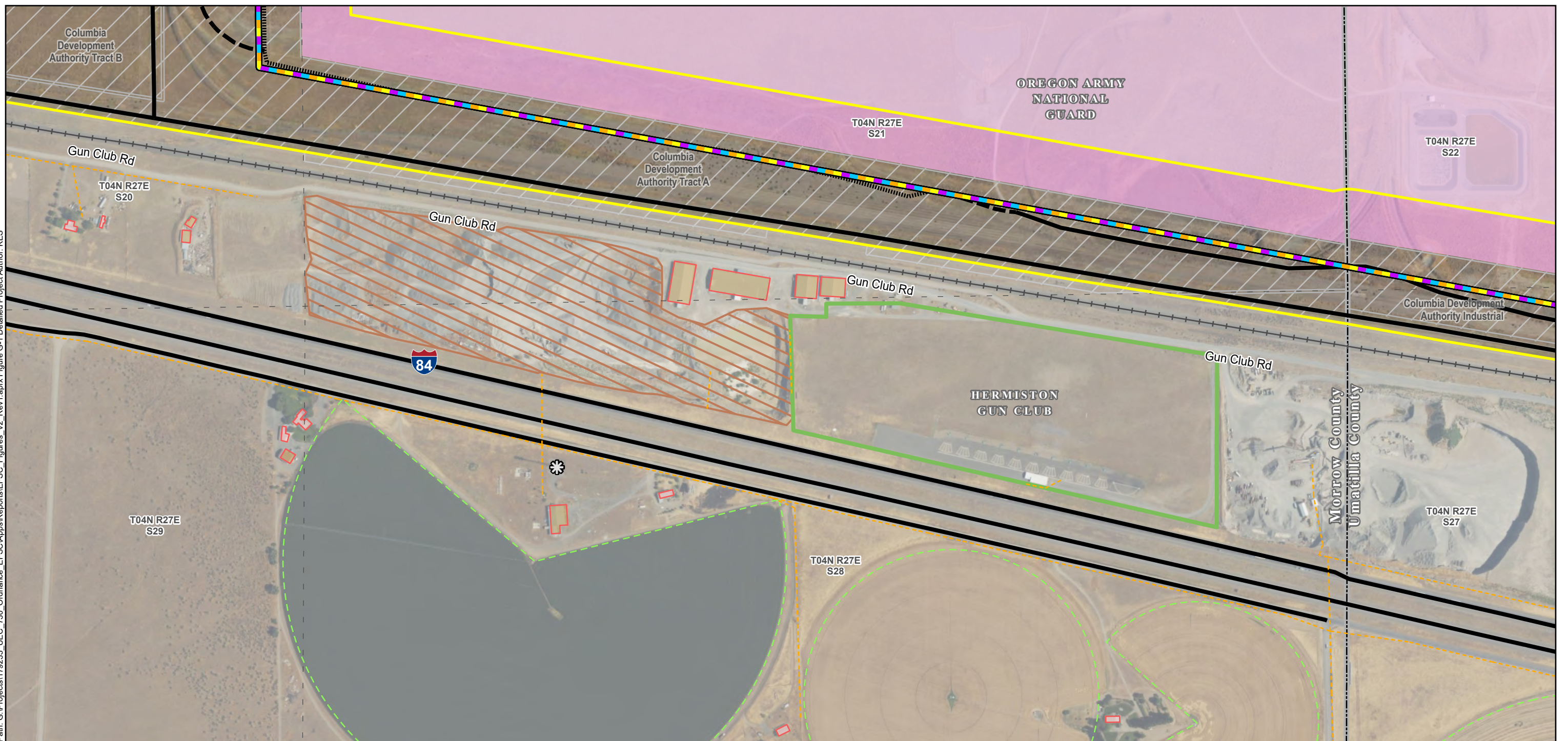
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
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<p><b>Project Components</b></p> <ul style="list-style-type: none"> <li><span style="border: 2px solid yellow; display: inline-block; width: 20px; height: 10px;"></span> Project Site Boundary</li> </ul> <p><b>Routes</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid blue; width: 20px; display: inline-block;"></span> Route A</li> <li><span style="border-bottom: 2px solid yellow; width: 20px; display: inline-block;"></span> Route B</li> <li><span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> Route C</li> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> Route D</li> </ul>	<p><b>Project Access</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Existing</li> <li><span style="border-bottom: 2px dashed black; width: 20px; display: inline-block;"></span> Existing Access, May Need Improvements</li> <li><span style="border-bottom: 2px dotted black; width: 20px; display: inline-block;"></span> New Access</li> </ul> <p><b>Existing Utilities</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px dashed orange; width: 20px; display: inline-block;"></span> Overhead Distribution</li> </ul>	<p><b>Transportation</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px dashed gray; width: 20px; display: inline-block;"></span> Railroad</li> </ul> <p><b>Boundaries</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px dashed gray; width: 20px; display: inline-block;"></span> Section</li> <li><span style="border-bottom: 2px solid gray; width: 20px; display: inline-block;"></span> County</li> </ul> <p><b>Constraints</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 10px;">*</span> Communication Tower</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Residential Building</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid brown; display: inline-block; width: 15px; height: 10px;"></span> Non-residential Building</li> <li><span style="border: 1px solid brown; width: 15px; height: 10px; transform: rotate(45deg);"></span> Extraction Area</li> <li><span style="border: 1px dashed green; width: 15px; height: 10px;"></span> Center Pivot Irrigation System</li> <li><span style="border: 1px solid green; width: 15px; height: 10px;"></span> Private Recreation Area</li> </ul> <p><b>Ownership</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid gray; width: 15px; height: 10px;"></span> Local</li> <li><span style="background-color: #f0e6ff; width: 15px; height: 10px;"></span> Department of Defense</li> </ul>
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UMATILLA-MORROW COUNTY CONNECT PROJECT

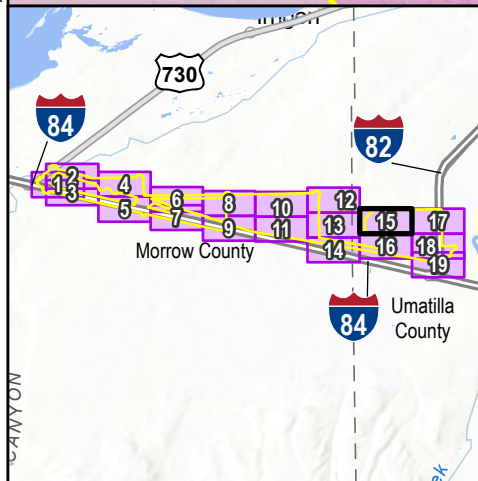
**Figure G-1**  
Detailed Project  
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0 200 400 600 800 1,000 Feet

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**Project Components**

Project Site Boundary

**Boundaries**

Section

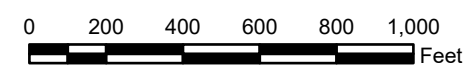
**Ownership**

Local

Department of Defense

UMATILLA-MORROW COUNTY CONNECT PROJECT

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Detailed Project  
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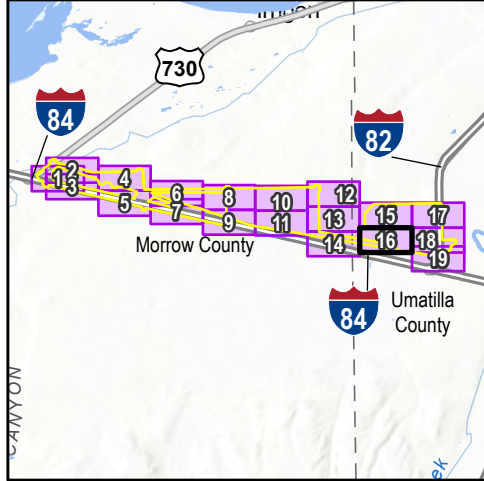
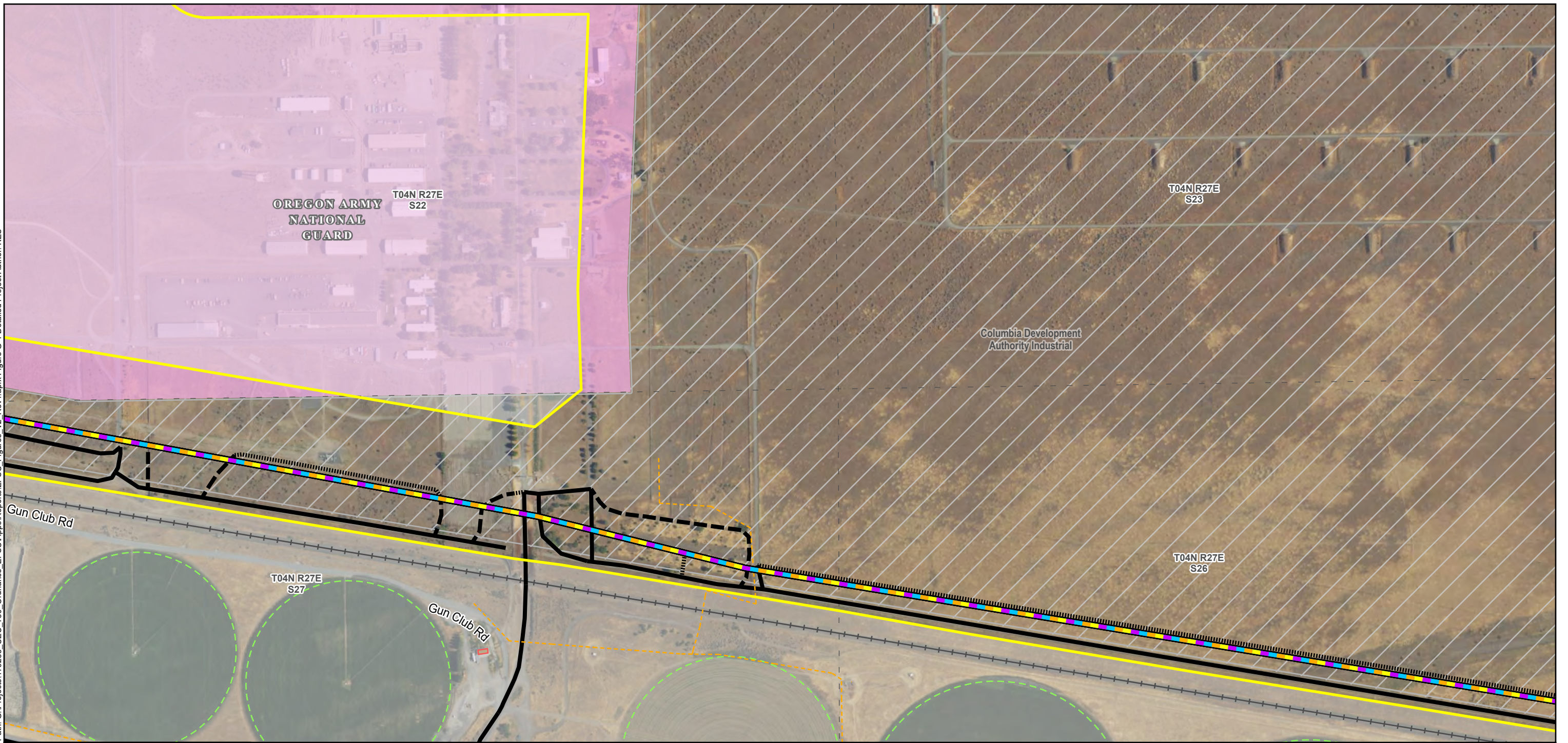


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**Project Components**

- Project Site Boundary
- Route A
- Route B
- Route C

*Routes*

- Route D
- Existing
- Existing Access, May Need Improvements
- New Access

*Project Access*

**Existing Utilities**

- Overhead Distribution
- Existing
- Existing Access, May Need Improvements
- New Access

**Transportation**

- Existing
- Existing Access, May Need Improvements
- New Access

**Boundaries**

- Section

**Constraints**

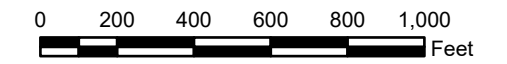
- Non-residential Building
- Center Pivot Irrigation System

**Ownership**

- Local
- Department of Defense

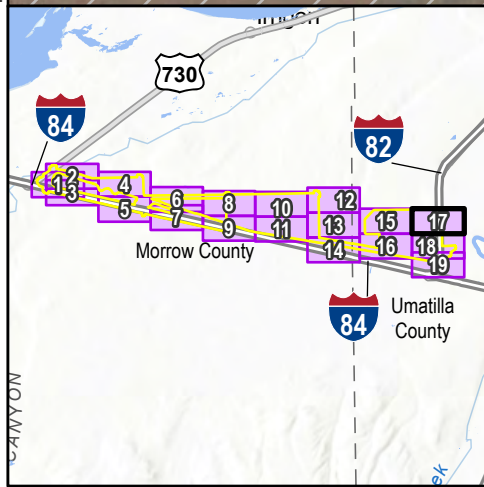
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 16 of 19



Date: 9/11/2023

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-1 Detailed Project Author: KES



**Project Components**

- Project Site Boundary
- 230 kV Transmission Line
- 115 kV Transmission Line
- Overhead Distribution

**Boundaries**

- Township
- Section

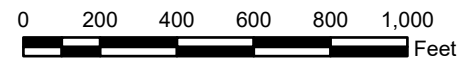
**Constraints**

- Center Pivot Irrigation System

- Canal or Ditch
- Wetland (NWI or MOW)
- Ownership**
- Local

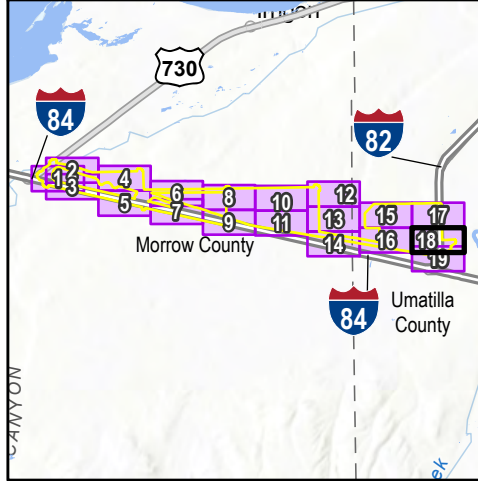
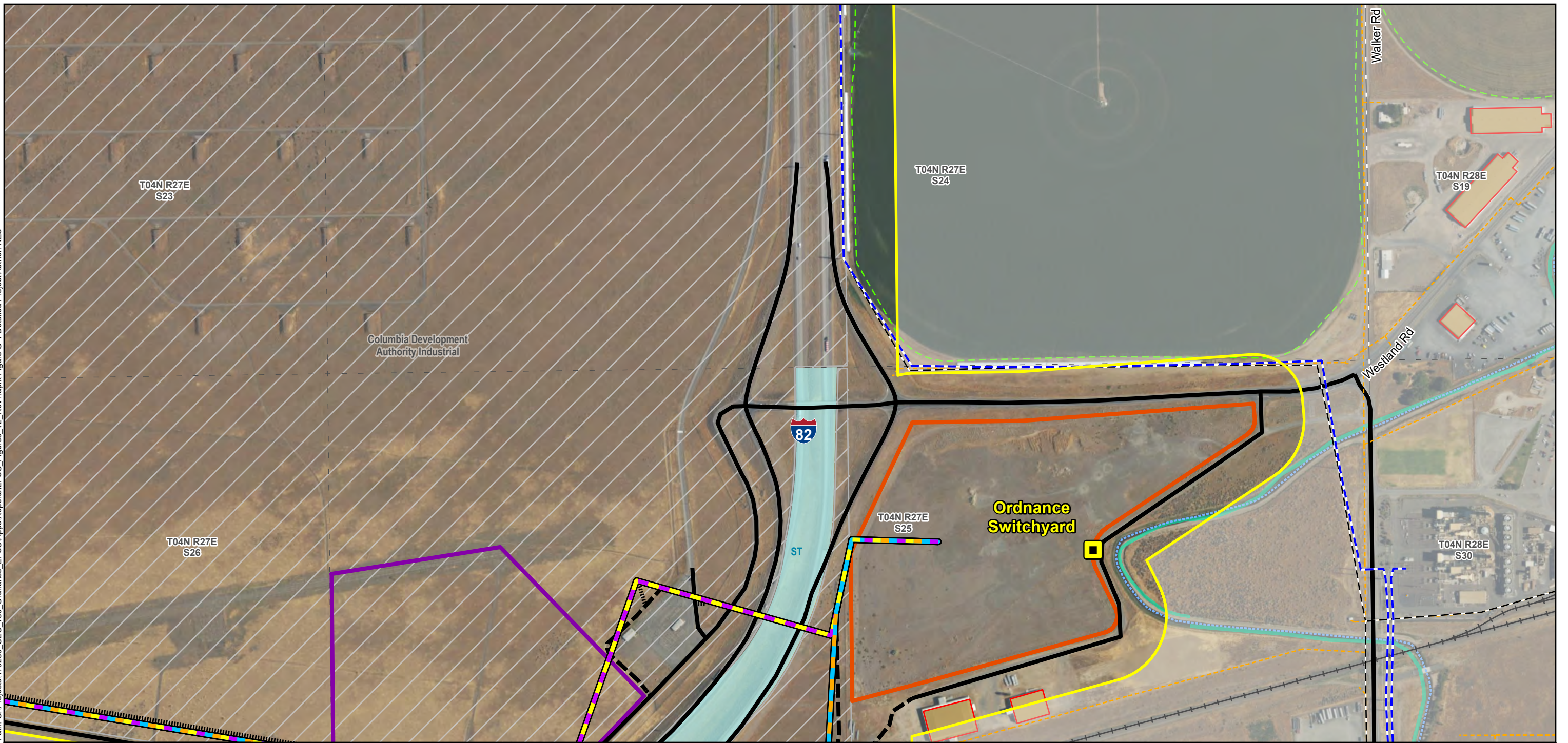
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 17 of 19



Date: 9/11/2023

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-1 Detailed Project Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary
- Routes**
- Route A
- Route B
- Route C
- Route D

- Existing
- Existing Access, May Need Improvements
- New Access

- Disturbance Areas**
- Substation Area
- Yard
- Existing Utilities**
- 230 kV Transmission Line
- 115 kV Transmission Line
- Overhead Distribution

- Transportation**
- Railroad
- Boundaries**
- Township
- Section
- Constraints**
- Non-residential Building

- Center Pivot Irrigation System
- Canal or Ditch
- Wetland (NWI or MOW)
- Ownership**
- Local
- State (ST)

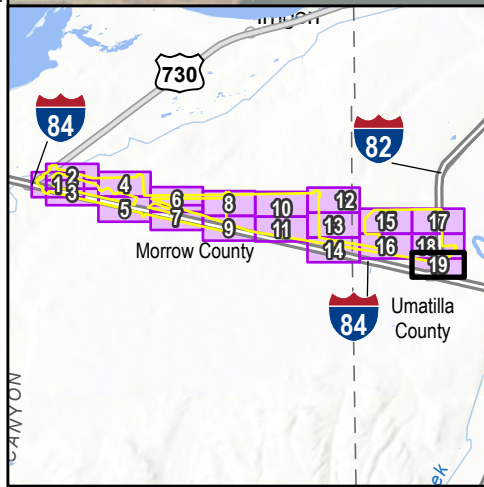
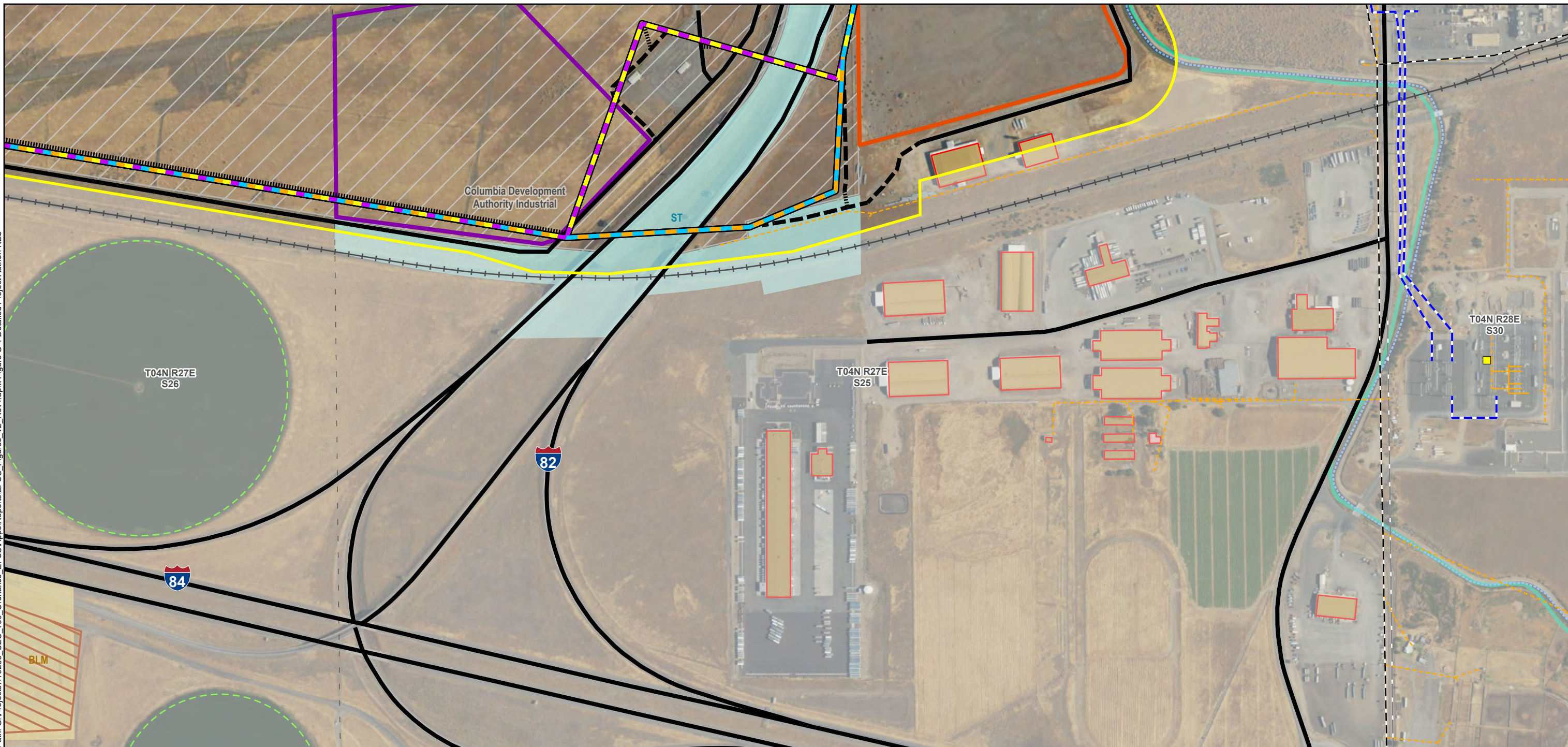
UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 18 of 19



Date: 9/11/2023

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-1 Detailed Project Author: KES



**Project Components**

- Project Site Boundary
- Route A
- Route B
- Route C
- Route D

**Project Access**

- Existing
- Existing Access, May Need Improvements
- New Access
- Substation Area
- Yard

**Existing Utilities**

- Substation or Switchyard
- 230 kV Transmission Line
- 115 kV Transmission Line
- Overhead Distribution
- Railroad

**Boundaries**

- Township
- Section

**Constraints**

- Residential Building
- Non-residential Building
- Extraction Area

**Center Pivot Irrigation System**

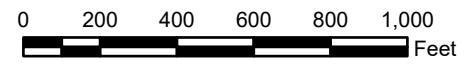
- Center Pivot Irrigation System
- Canal or Ditch
- Wetland (NWI or MOW)

**Ownership**

- Bureau of Land Management (BLM)
- Local
- State (ST)

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-1**  
Detailed Project  
Page 19 of 19

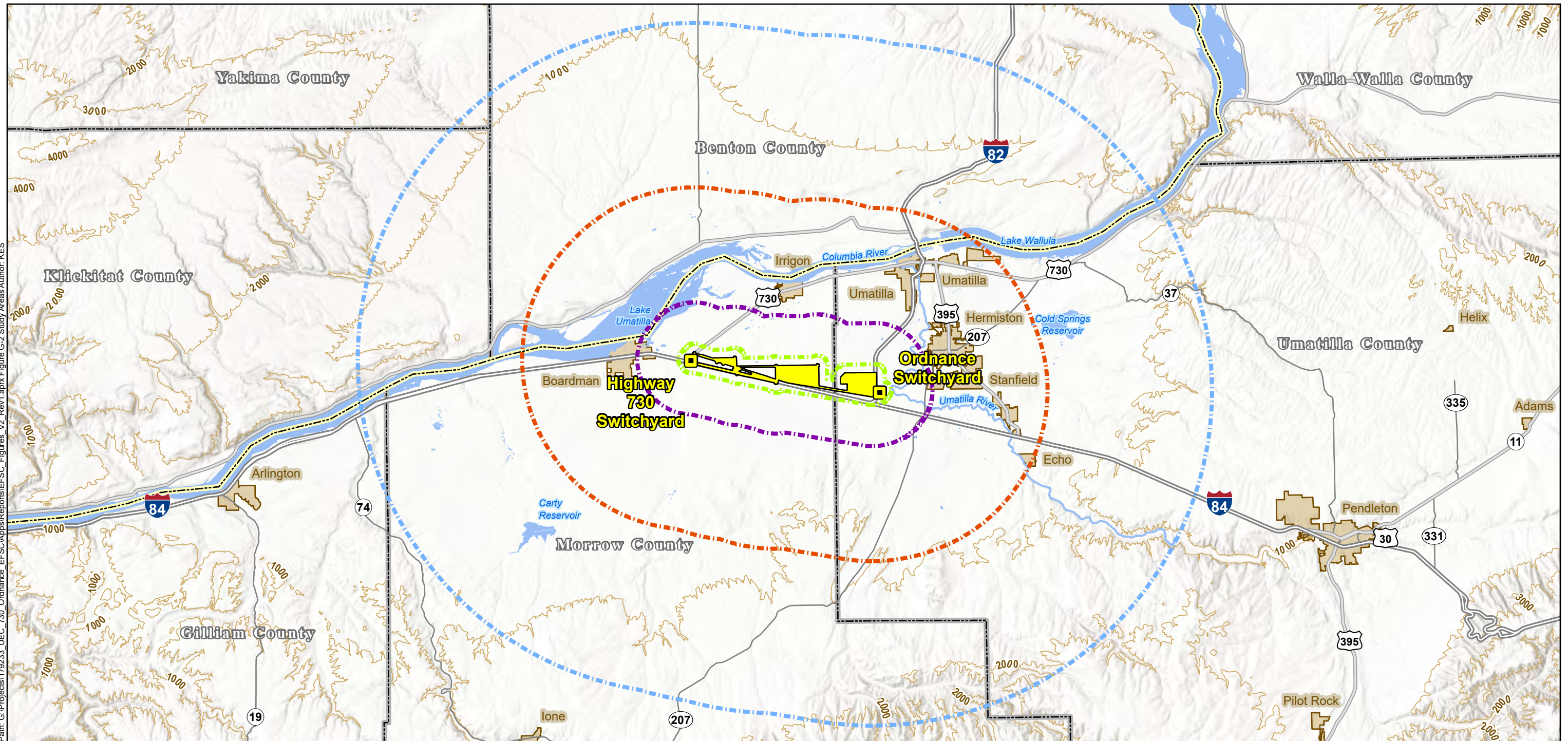


Date: 9/11/2023



## FIGURE G-2 STUDY AREAS

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-2 Study Areas Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary

**Study Areas**

- Land Use / T&E Species / Fish and Wildlife Habitat (0.5 mile)
- Recreation (3 miles)
- Scenic Resources and Public Services (10 miles)
- Protected Areas (20 miles)

**Transportation**

- Interstate
- Highway
- Major Road

**Boundaries**

- State
- County
- Town Boundary

**Contours**

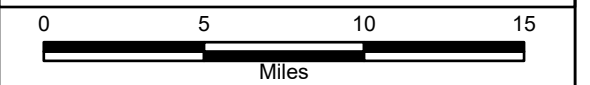
- 500 ft

**Water Resources**

- River
- Waterbody

UMATILLA-MORROW COUNTY CONNECT PROJECT

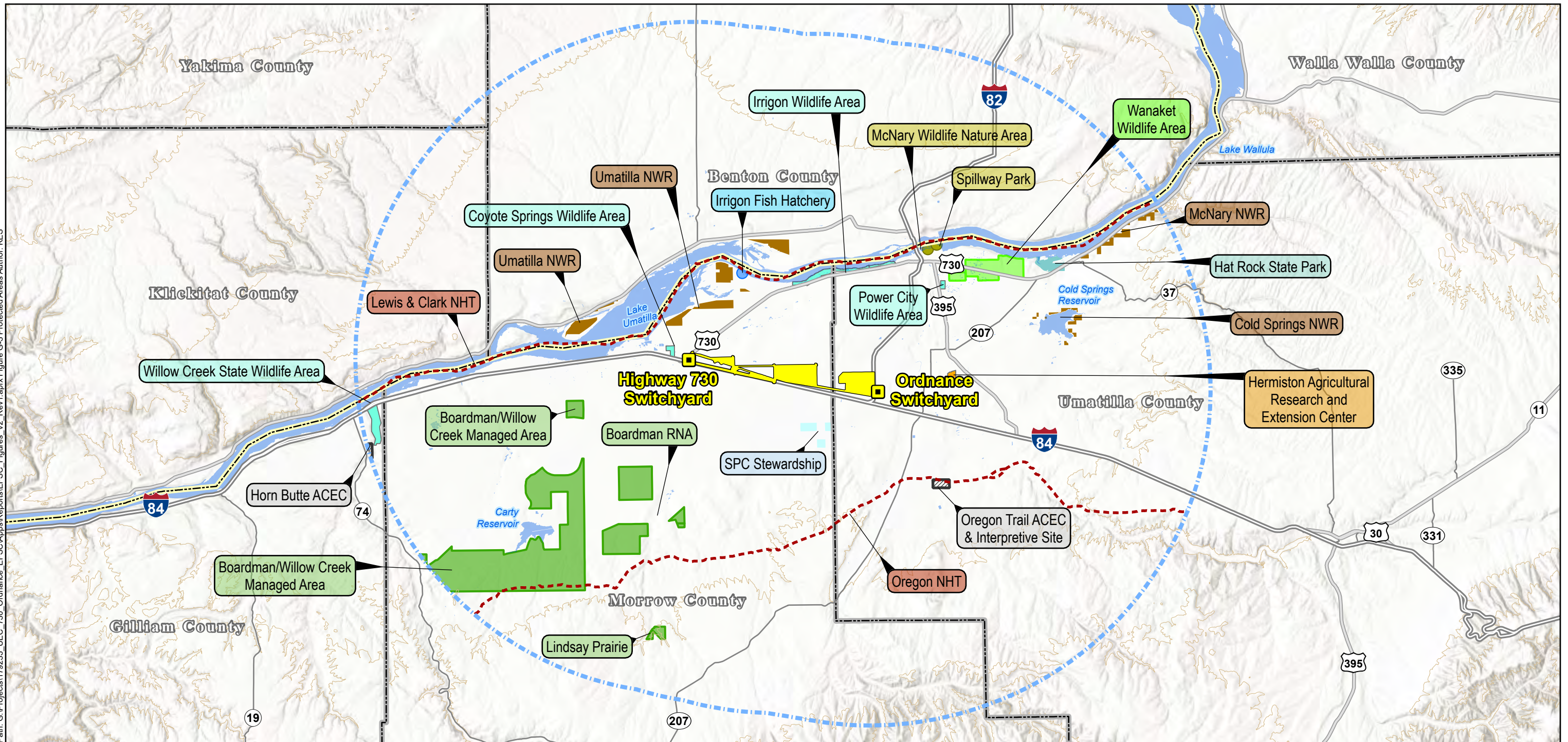
**Figure G-2  
Study Areas**



Date: 9/11/2023

## FIGURE G-3 PROTECTED AREAS

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-3 Protected Areas Author: KES



Project Components	Transportation	Contours	Water Resources	Protected Areas
Project Endpoint	Interstate	500 ft	Waterbody	National Historic Trail (NHT)
Project Site Boundary	Highway			Area of Critical Environmental Concern (ACEC)
Protected Areas Study Area (20 miles)	Major Road			Agricultural Research Station
				Conservation Area (Federal)
				Fish Hatchery
				National Wildlife Refuge (NWR)
				Special Interest Area (Federal)
				State Conservation Area
				State Natural Area
				State Park
				State Resource Management Area

UMATILLA-MORROW COUNTY CONNECT PROJECT

### Figure G-3 Protected Areas

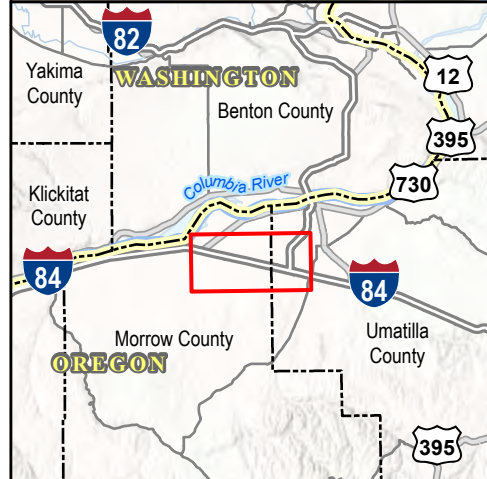
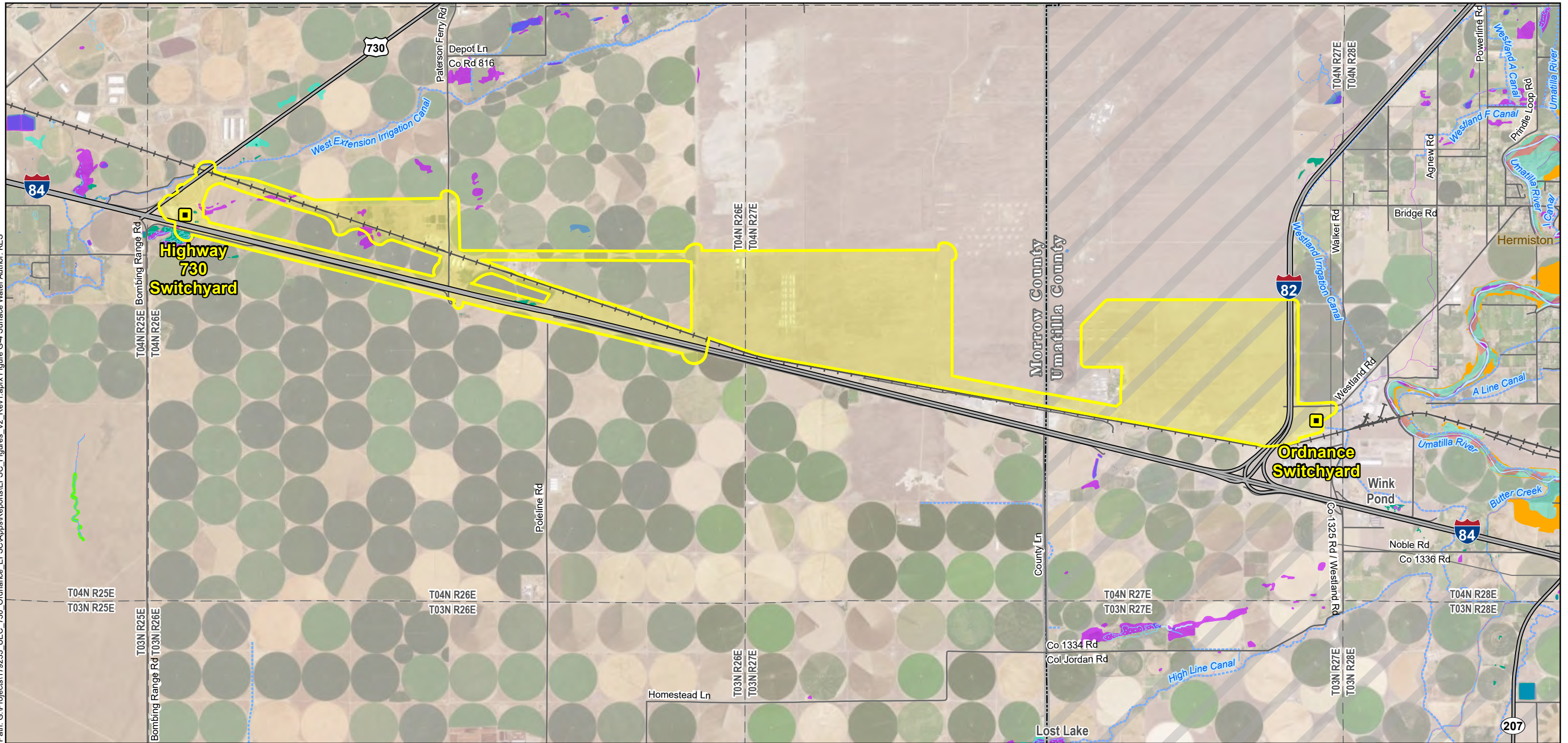
Miles

N

Date: 9/11/2023

**FIGURE G-4 WATER FEATURES AND WETLANDS**

Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure G-4 Surface Water Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

- County
- Township

**Wetlands**

- National Wetland Inventory (NWI)
- More Oregon Wetlands (MOW)

**Water Resources (NHD)**

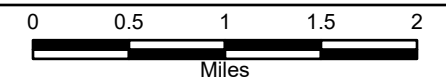
- Perennial Stream
- Intermittent Stream
- Canal or Ditch
- Aqueduct
- Waterbody
- Marsh
- Wash

**National Flood Hazard Layer**

- 1% Annual Change Flood Hazard
- Regulatory Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure G-4**  
Surface Waters Features



N



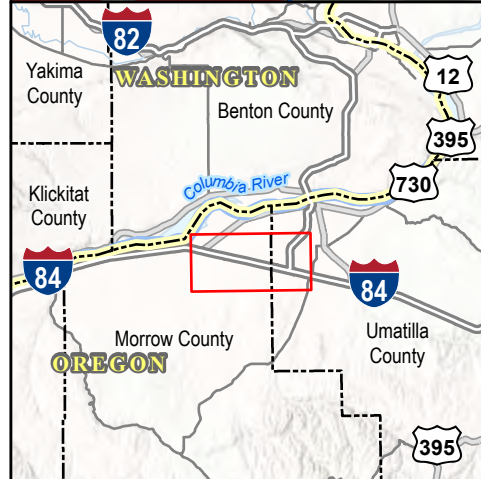
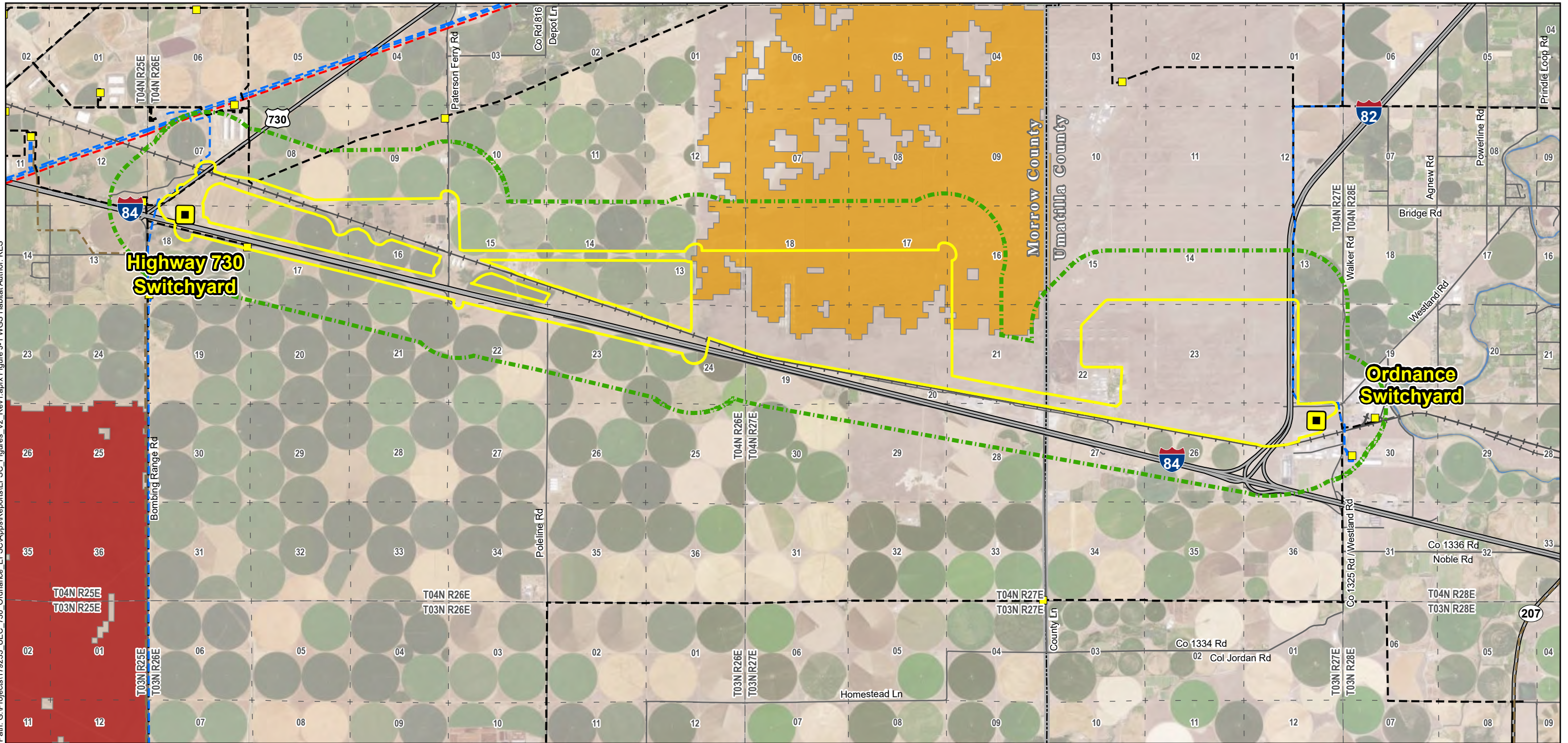
Date: 9/11/2023

## **FIGURE J-1 THROUGH J-7 RESOURCE MAPS**

**FIGURE J-1      WASHINGTON GROUND SQUIRREL HABITAT**



Path: G:\Projects\179233\_UJC\_730\_Ordinance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-1 WGS Habitat Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary
- Threatened or Endangered Species/ Fish and Wildlife Habitat Study Area (0.5 mile)

**Existing Utilities**

- Substation or Switchyard
- Transmission Lines*
- 500 kV
- 230 kV
- 115 kV
- 69 kV

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

- County

--- Township

- - - Section

**Water Resources (NHD)**

Perennial Stream

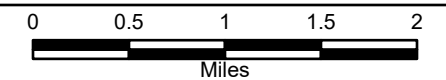
**Washington Ground Squirrel Habitat Concentration Areas\***

- Very high centrality
- High centrality

\*Washington Wildlife Habitat Connectivity Working Group (WHCWG)

UMATILLA-MORROW COUNTY CONNECT PROJECT

Figure J-1  
Washington Ground Squirrel Habitat



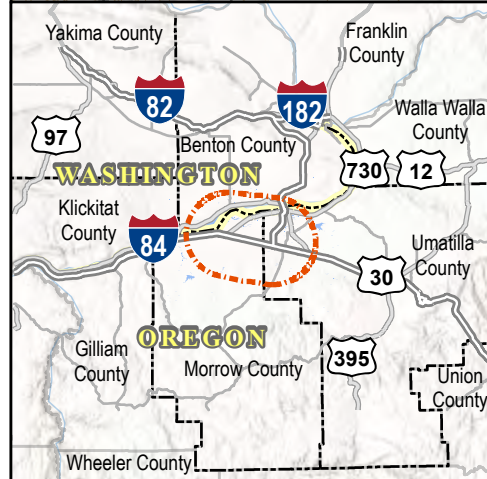
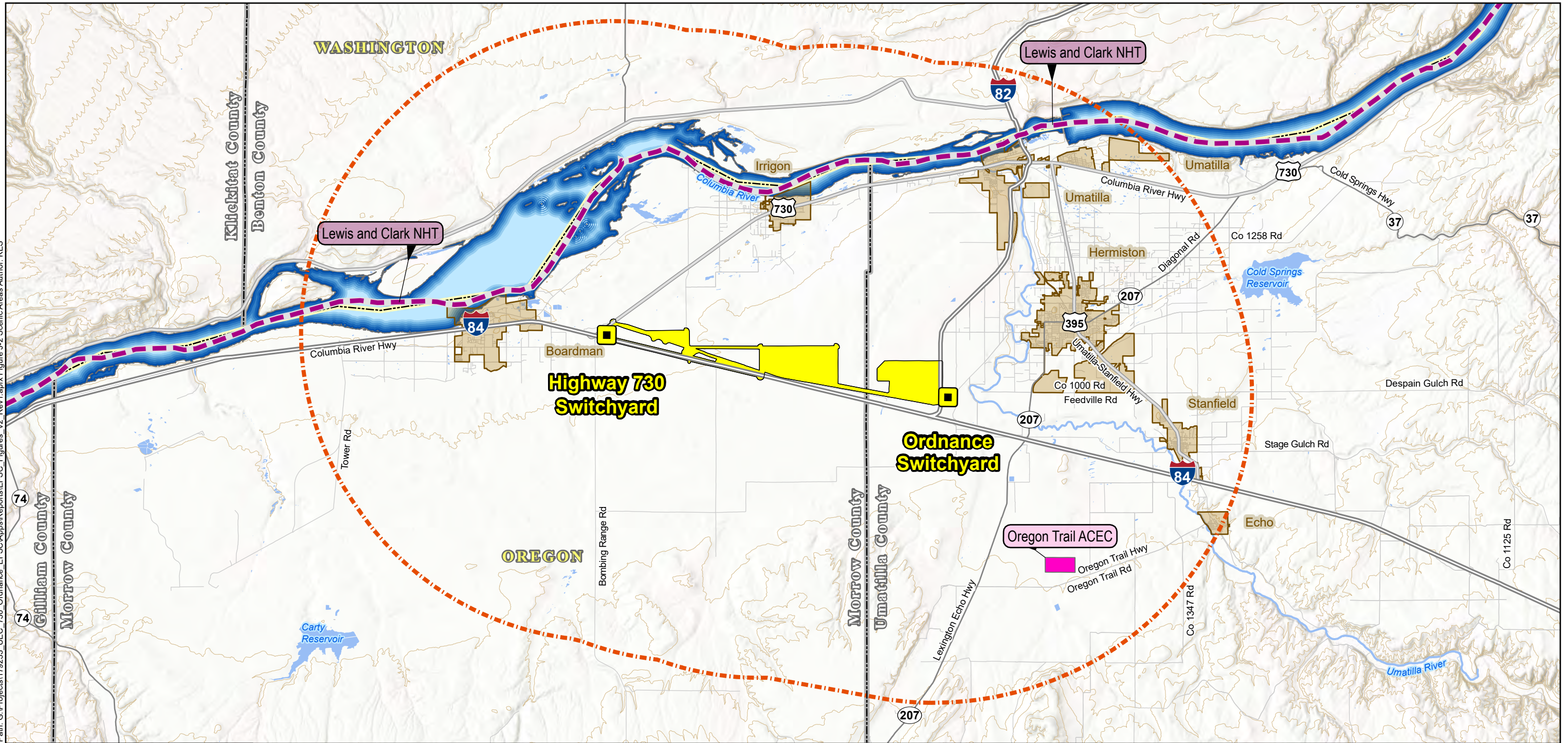
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Date: 9/11/2023

**FIGURE J-2 SCENIC AREAS**




Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-2 Scenic Areas Author: KES



**Project Components**

-  Project Endpoint
-  Project Site Boundary
-  Scenic Resources Study Area (10 miles)



**Scenic Resources**

-  National Historic Trail (NHT)
-  Scenic Area
-  Scenic Waterbody

**Transportation**


-  Interstate
-  Highway
-  Major Road
-  Local Road

**Boundaries**

-  State
-  County

 Town Boundary

**Water Resources**

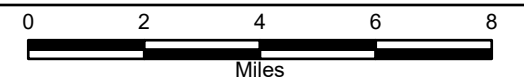
-  River
-  Waterbody

**Contours**

-  100 ft

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure J-2  
Scenic Areas**



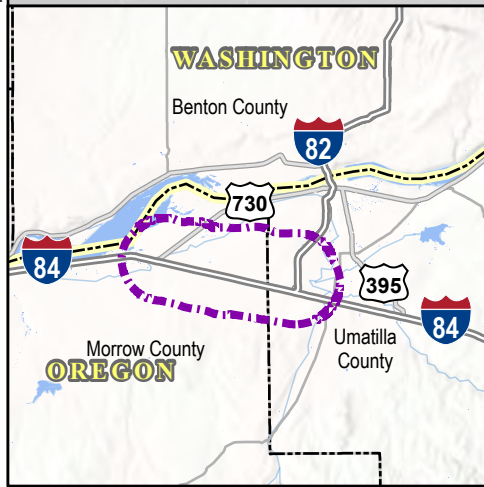
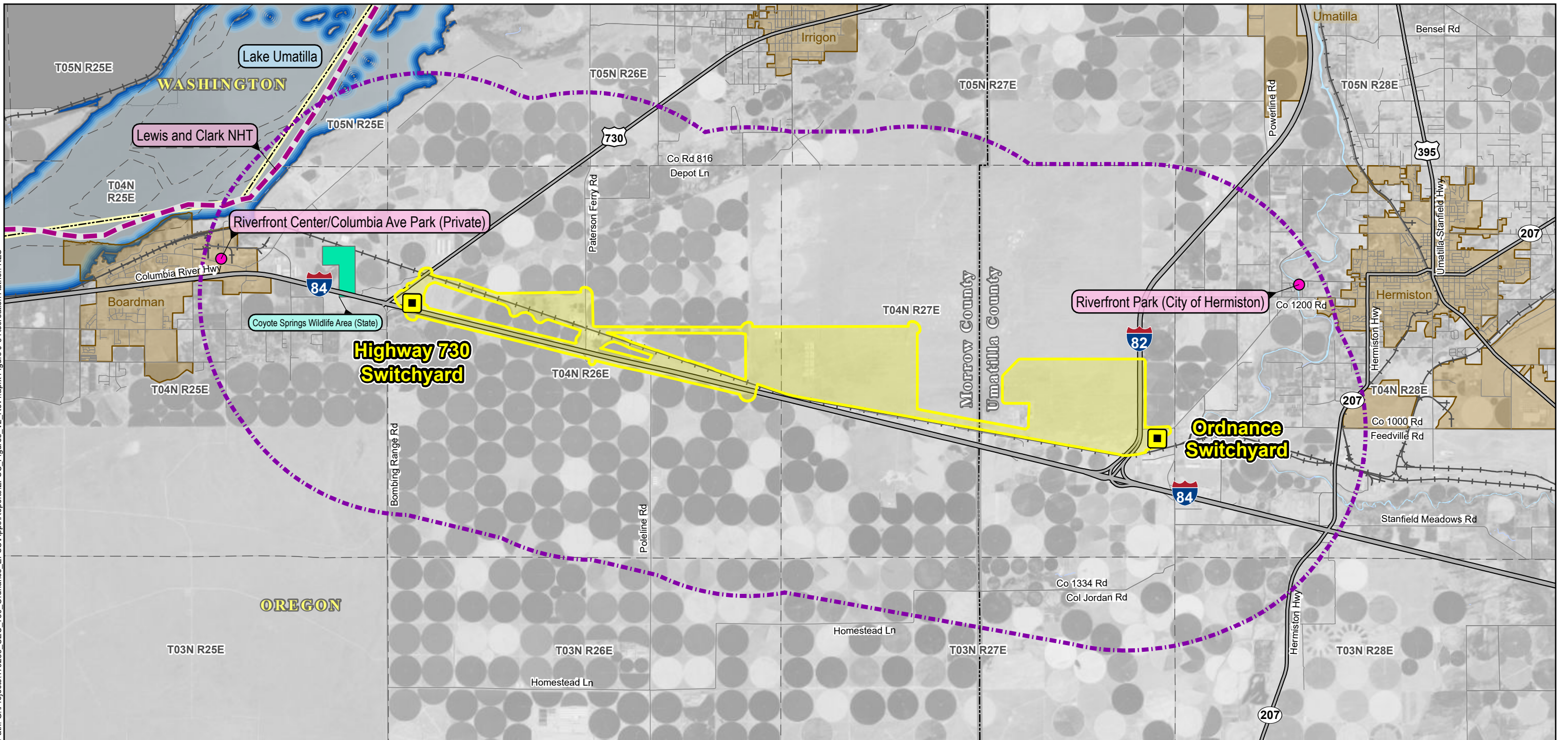
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Date: 9/11/2023

**FIGURE J-3 RECREATION AREAS**

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-3 Recreation Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary
- Recreation Study Area (3 miles)

**Recreation Areas**

- Local Park
- National Historic Trail (NHT)
- State Conservation Area
- Recreational Waterbody

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

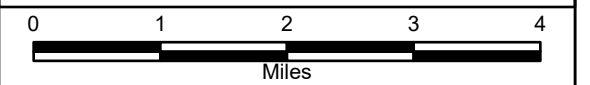
- County
- Township
- Town Boundary

**Water Resources**

- River

UMATILLA-MORROW COUNTY CONNECT PROJECT

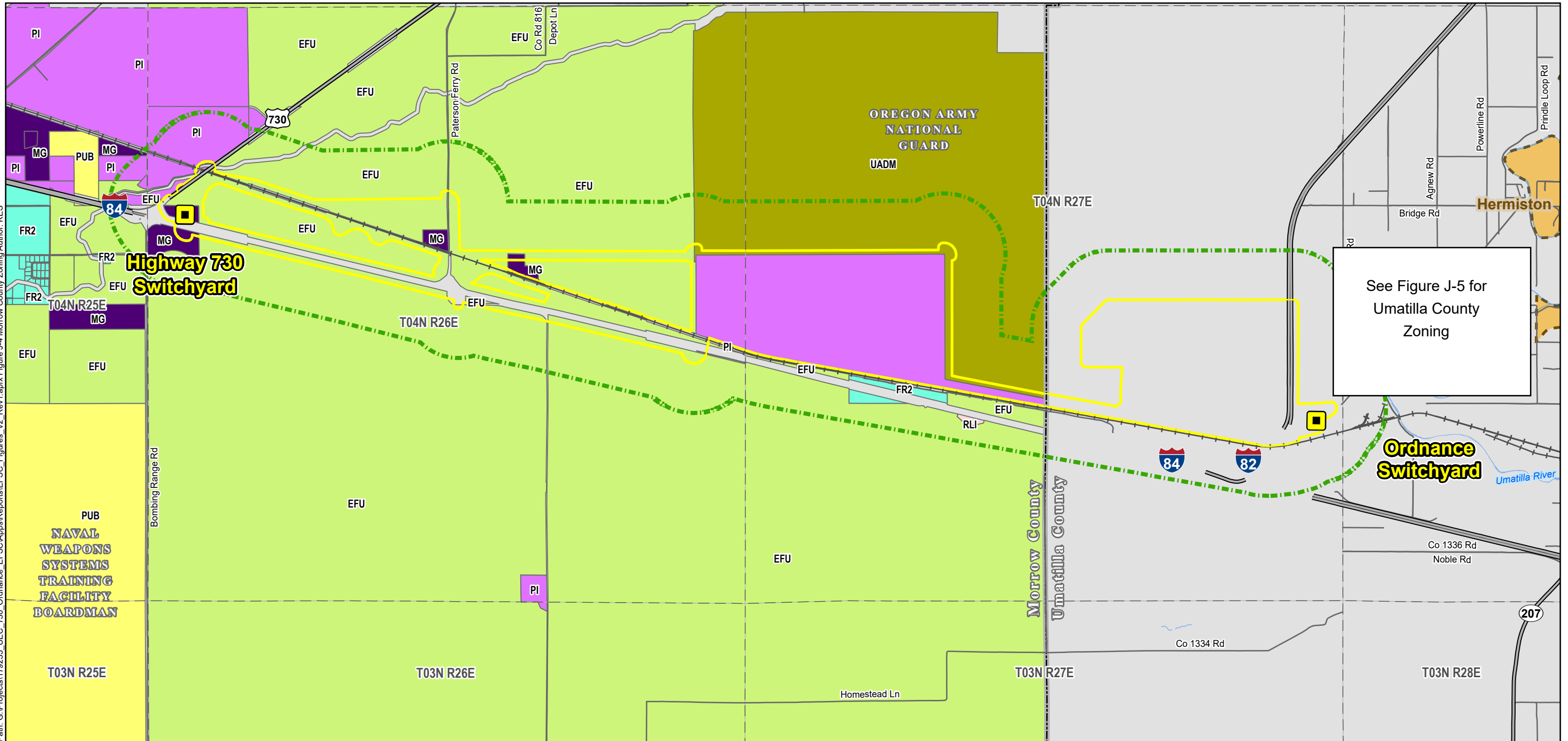
**Figure J-3  
Recreation Areas**



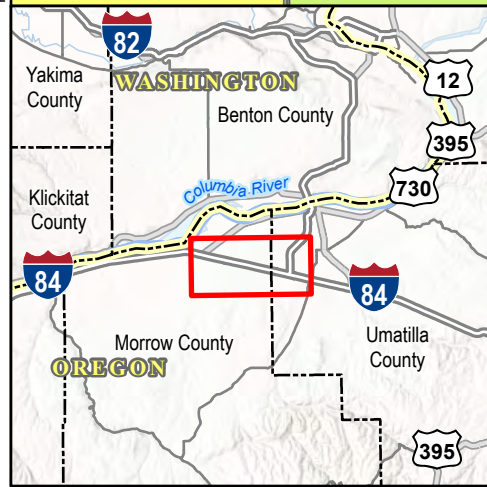
Date: 9/11/2023

**FIGURE J-4 MORROW COUNTY ZONING**

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-4 Morrow County Zoning Author: KES



See Figure J-5 for Umatilla County Zoning



**Project Components**

- Project Endpoint
- Project Site Boundary
- Land Use Study Area (0.5 mile)

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

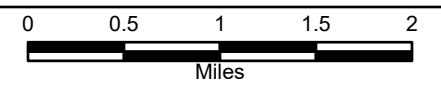
- County
- Township
- Urban Growth Boundary

**Morrow County Zoning**

- Exclusive Farm Use (EFU)
- Farm Residential (FR2)
- General Industrial (MG)
- Port Industrial (PI)
- Public (PUB)
- Rural Light Industrial (RLI)
- Umatilla Army Depot (UADM)

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure J-4**  
Morrow County Zoning

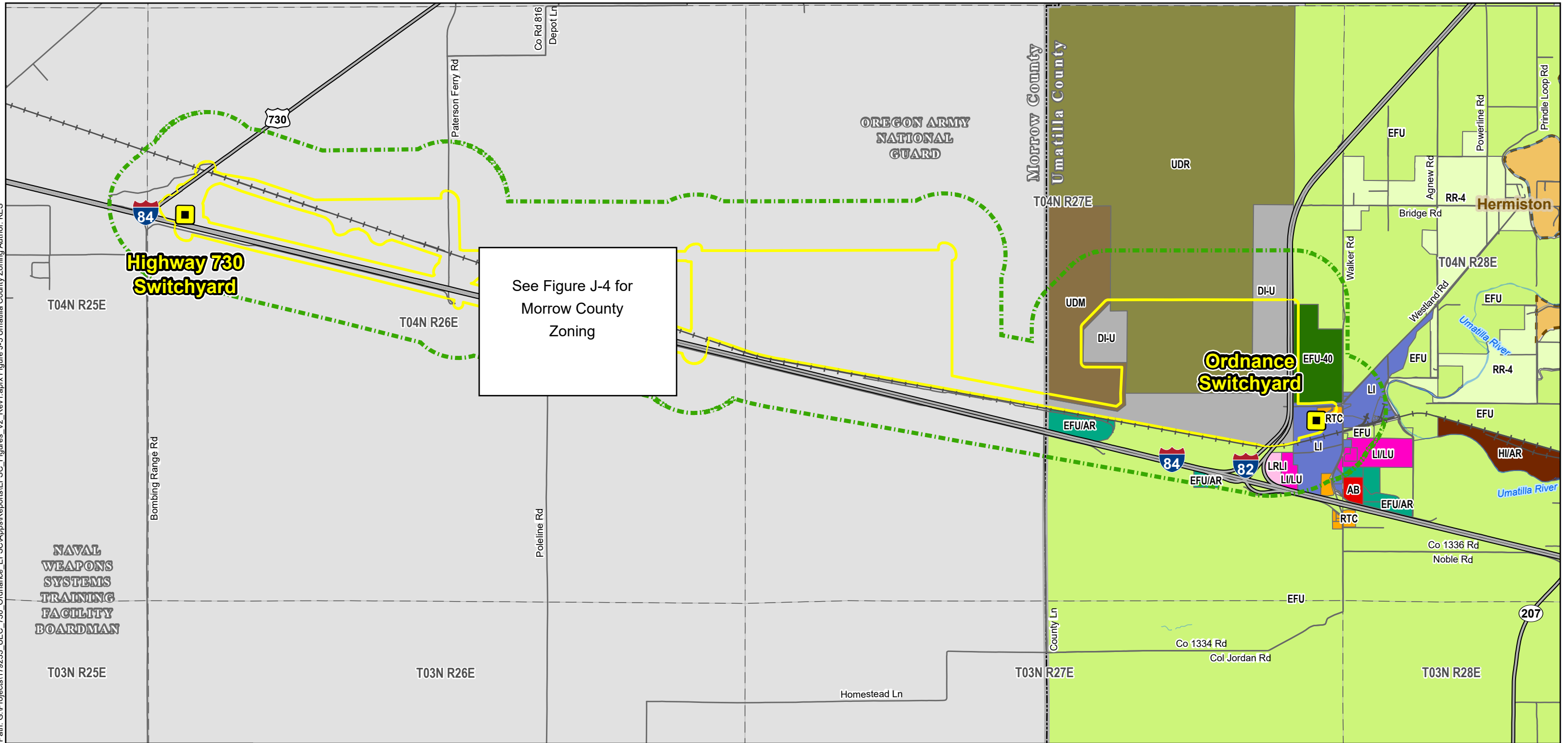


Date: 9/11/2023

**FIGURE J-5 UMATILLA COUNTY ZONING**



Path: G:\Projects\179233\_UEC\_730\_Ordnance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-5 Umatilla County Zoning Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary
- Land Use Study Area (0.5 mile)

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

- County
- Township
- Urban Growth Boundary

**Umatilla County Zoning**

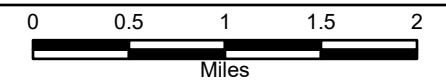
- Agribusiness (AB)
- Depot Industrial - Unrestricted (DI-U)
- Exclusive Farm Use (EFU)
- Exclusive Farm Use Zone (EFU-40)
- Exclusive Farm Use - Aggregate Resource (EFU/AR)

- Heavy Industrial - Aggregate Resource (HI/AR)
- Light Industrial (LI)
- Light Industrial/Limited Use (LI/LU)
- Limited Rural Light Industrial (LRLI)
- Rural Residential (RR-4)

- Rural Tourist Commercial (RTC)
- Depot Military (UDM)
- Umatilla Depot Refuge (UDR)

UMATILLA-MORROW COUNTY CONNECT PROJECT

**Figure J-5**  
Umatilla County Zoning



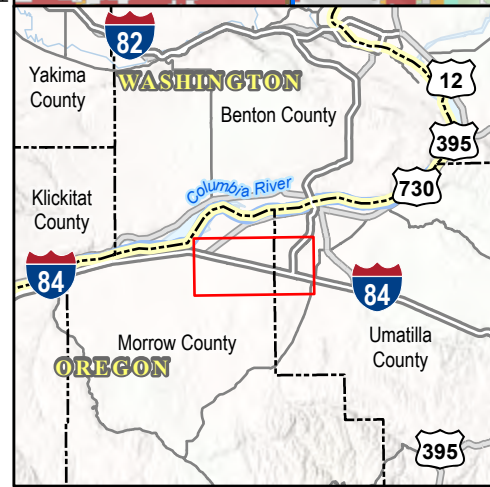
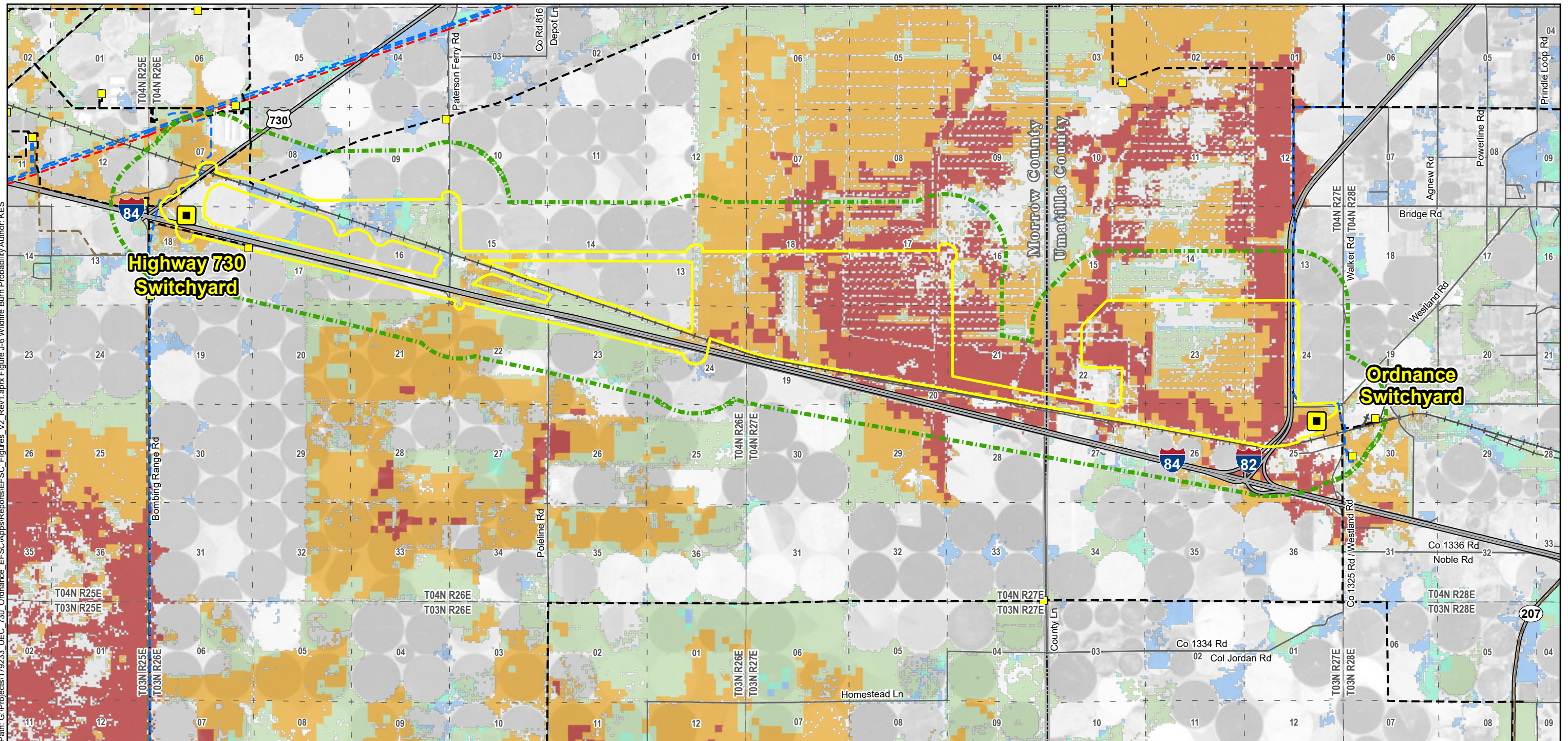
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Date: 9/11/2023

**FIGURE J-6 WILDFIRE BURN PROBABILITY**

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-6 Wildfire Burn Probability Author: KES



**Project Components**

- Project Endpoint
- Project Site Boundary
- Wildfire Risk Study Area (0.5 mile)

**Existing Utilities**

- Substation or Switchyard
- Transmission Lines*
- 500 kV
- 230 kV
- 115 kV
- 69 kV

**Transportation**

- Highway
- Local Road
- Railroad

**Boundaries**

- County
- Township
- Section

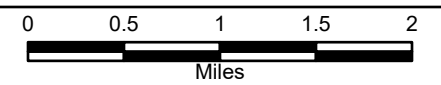
**Burn Probability\***

- None (0)
- Low (<= 1-in-10,000)
- Low (1-in-10,000 to 1-in-5,000)
- Moderate (1-in-5,000 to 1-in-1,000)
- Moderate (1-in-1,000 to 1-in-500)
- High (1-in-500 to 1-in-100)

\*Pacific Northwest Quantitative Wildfire Risk Assessment 2018. The likelihood of a wildfire >250 acres burning a given location, based on wildfire simulation modeling. This is an annual burn probability, adjusted to be consistent with the historical annual area burned.

UMATILLA-MORROW COUNTY CONNECT PROJECT

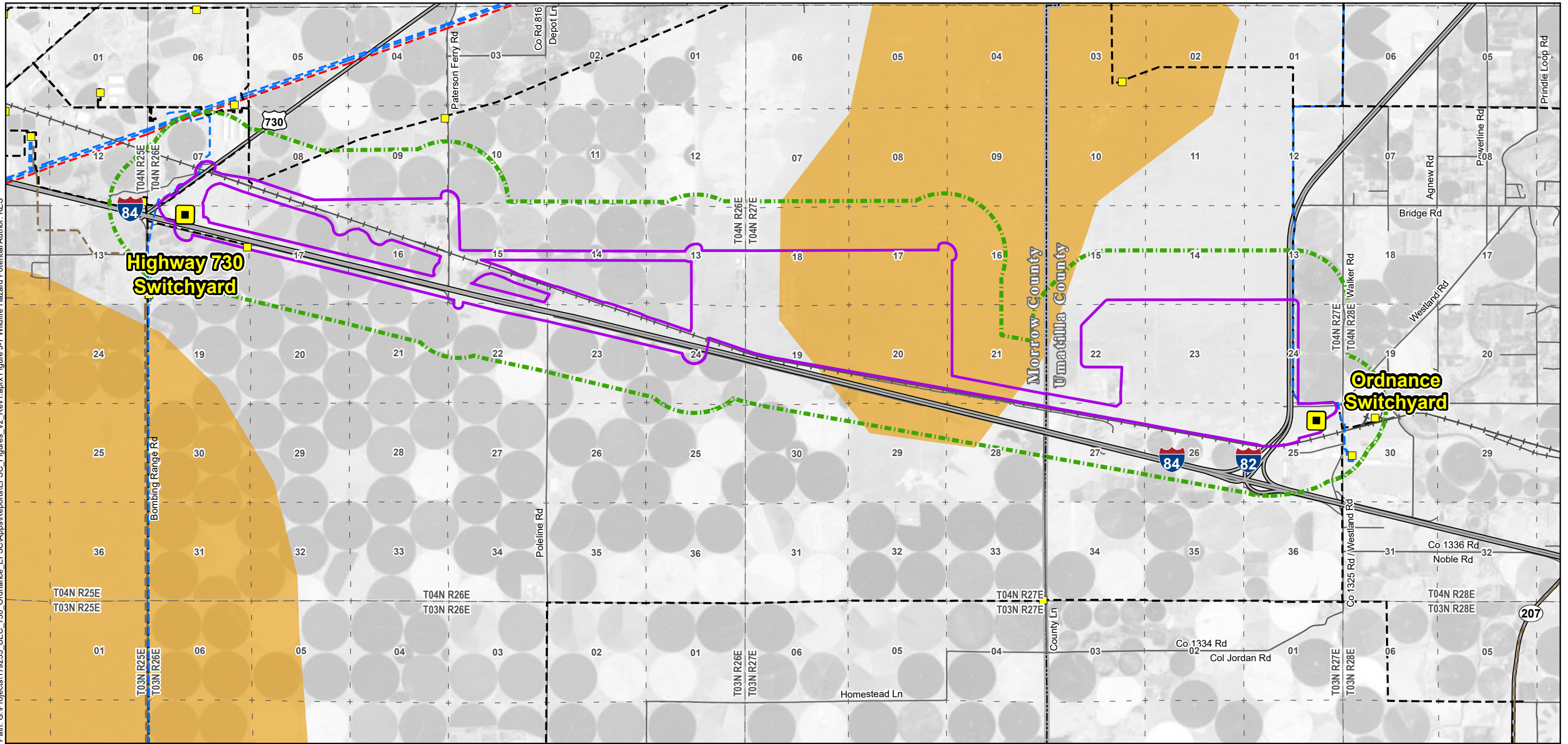
**Figure J-6  
Wildfire Burn Probability**



Date: 9/11/2023

**FIGURE J-7 WILDFIRE HAZARD POTENTIAL**

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Repos\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure J-7 Wildfire Hazard Potential Author: KES



Project Components	Existing Utilities	Transportation	Boundaries	UEC 2023 Wildfire Mitigation Plan: Wildfire Hazard Potential
Project Endpoint	Substation or Switchyard	Highway	Section	Moderate
Project Site Boundary	<i>Transmission Lines</i>	Local Road	Township	
Wildfire Risk Study Area (0.5 mile)	500 kV	Railroad	County	
	230 kV			
	115 kV			
	69 kV			

UMATILLA-MORROW COUNTY CONNECT PROJECT

### Figure J-7 Wildfire Hazard Potential

Miles

N

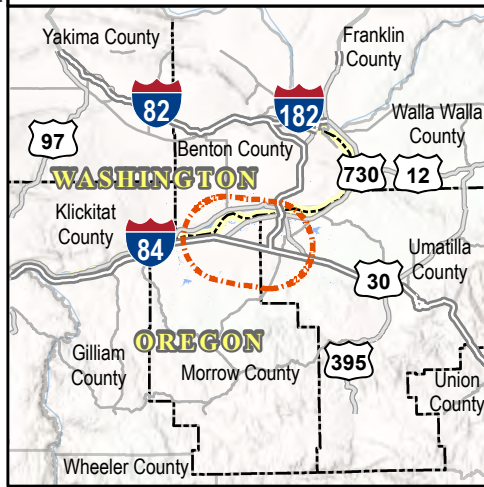
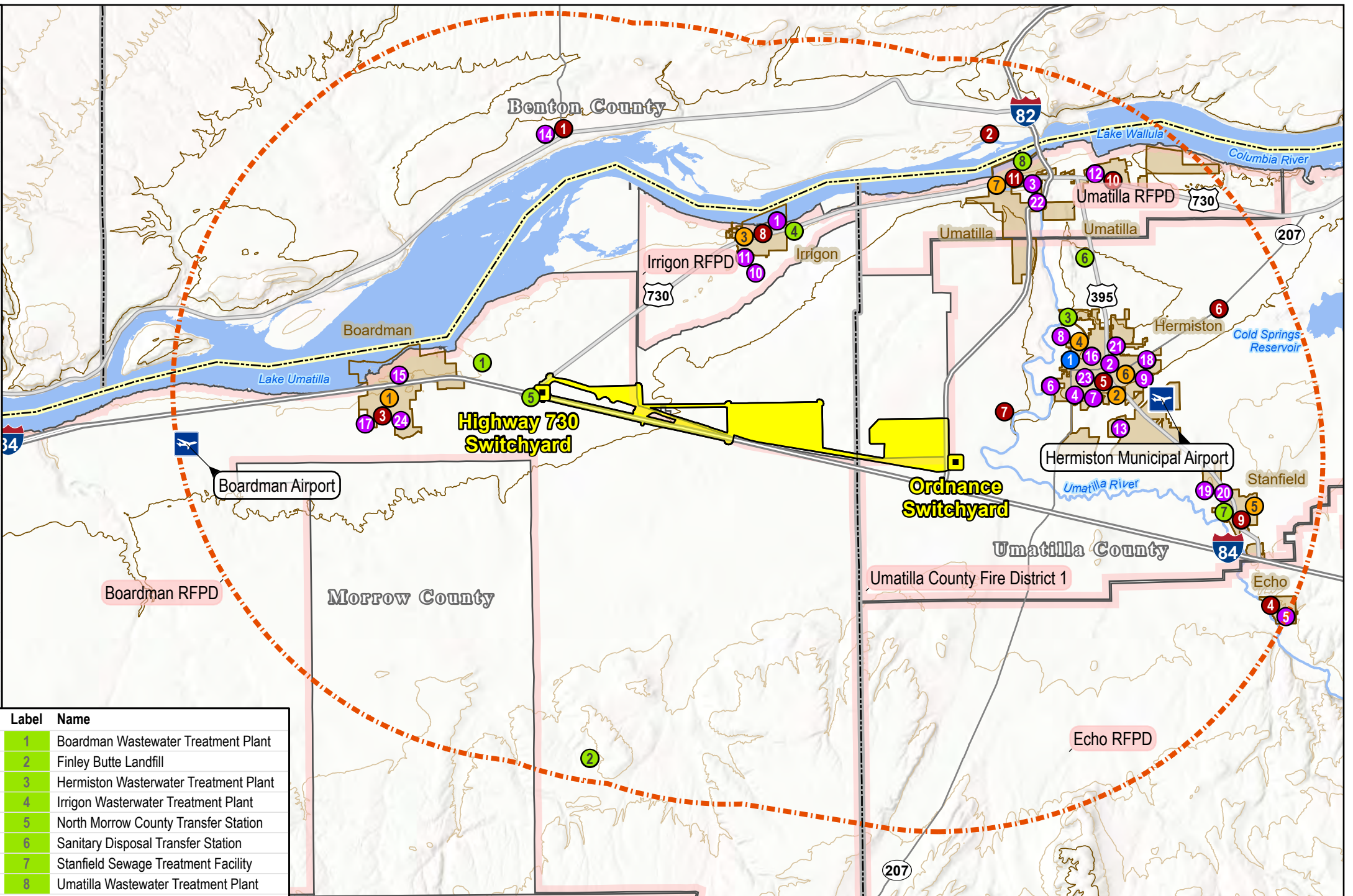
Date: 9/11/2023

**FIGURE K-1 PUBLIC SERVICES**

Path: G:\Projects\179233\_UEC\_730\_Ordinance\_EFSC\Apps\Reports\EFSC\_Figures\_V2\_Rev1.aprx Figure K-1 Public Services Author: KES

Service Type	Label	Name
Fire Station / EMS	1	Benton County Fire District 6
Fire Station / EMS	2	Benton County Fire District 6
Fire Station / EMS	3	Boardman Rural Fire Protection District Station 1
Fire Station / EMS	4	Echo Rural Fire Protection District Station 1 Headquarters
Fire Station / EMS	5	Hermiston Fire and Emergency Services Station 1 Headquarters
Fire Station / EMS	6	Hermiston Fire and Emergency Services Station 2
Fire Station / EMS	7	Hermiston Fire and Emergency Services Station 3
Fire Station / EMS	8	Irrigon Rural Fire Protection District
Fire Station / EMS	9	Stanfield Fire Department
Fire Station / EMS	10	Umatilla Rural Fire Protection District Headquarters
Fire Station / EMS	11	Umatilla Rural Fire Protection District Station 2
Hospital	1	Good Shepherd Medical Center
Law Enforcement	1	Boardman City Police Department
Law Enforcement	2	Hermiston Police Department
Law Enforcement	3	Morrow County Sheriff's Department Irrigon Substation
Law Enforcement	4	Oregon State Police Department Hermiston
Law Enforcement	5	Stanfield Police Department
Law Enforcement	6	Umatilla County Sheriff's Office Hermiston
Law Enforcement	7	Umatilla Police Department
School	1	A C Houghton Elementary School
School	2	Armand Larive Middle School
School	3	Clara Brownell Middle School
School	4	Desert View Elementary School
School	5	Echo School
School	6	Hermiston Christian Center and School
School	7	Hermiston High School
School	8	Hermiston Junior Academy
School	9	Highland Hills Elementary School
School	10	Irrigon Elementary School
School	11	Irrigon Junior - Senior High School
School	12	McNary Heights Elementary School
School	13	Oregon State University Agriculture Experiment Station
School	14	Paterson Elementary School
School	15	Riverside Junior and Senior High School
School	16	Rocky Heights Elementary School
School	17	Sam Boardman Elementary School
School	18	Sandstone Middle School
School	19	Stanfield Elementary School
School	20	Stanfield Secondary School
School	21	Sunset Elementary School
School	22	Umatilla High School
School	23	West Park Elementary School
School	24	Windy River Elementary School

Service Type	Label	Name
Waste Facility	1	Boardman Wastewater Treatment Plant
Landfill	2	Finley Butte Landfill
Waste Facility	3	Hermiston Wastewater Treatment Plant
Waste Facility	4	Irrigon Wastewater Treatment Plant
Waste Facility	5	North Morrow County Transfer Station
Waste Facility	6	Sanitary Disposal Transfer Station
Waste Facility	7	Stanfield Sewage Treatment Facility
Waste Facility	8	Umatilla Wastewater Treatment Plant



- Project Components**
- Project Endpoint
  - Project Site Boundary
  - Public Services Study Area (10 miles)

- Public Services**
- Fire Station / Emergency Medical Services
  - Hospital
  - Law Enforcement
  - School
  - Landfill / Waste Facility
  - Structural Fire District

- Transportation**
- Interstate
  - Highway
  - Major Road
  - Public Airport
- Boundaries**
- State
  - County

- Town Boundary**
- Town Boundary
- Contours**
- 500 ft
  - 100 ft
- Water Resources**
- River
  - Waterbody

UMATILLA-MORROW COUNTY CONNECT PROJECT

### Figure K-1 Public Services

Miles

N

Date: 9/11/2023

**ATTACHMENT D EVIDENCE OF CONSULTATION WITH  
LEGISLATIVE COMMISSION ON INDIAN SERVICE**



## Gilbert, Darrin

---

**From:** Bullion Elissa <Elissa.Bullion@oregonlegislature.gov>  
**Sent:** Monday, January 30, 2023 9:35 AM  
**To:** Gilbert, Darrin  
**Subject:** [EXTERNAL] RE: Project Consultation-Indian Historic and Cultural Resources

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**CAUTION:** This Email is from an **EXTERNAL** source. **STOP. THINK** before you **CLICK** links or **OPEN** attachments.

---

Hi Darrin,

Based on the location of your project, I recommend consultation with the following Tribes:

### **Confederated Tribes of the Umatilla Indian Reservation**

Carey L. Miller  
Tribal Historic Preservation Officer  
careymiller@ctuir.org

Teara Farrow Ferman  
Cultural Resources Program Manager  
Dept. of Natural Resources  
46411 Timine Way Pendleton, OR 97801  
P: 541-276-3447 / F: 541-429-7203  
E: tearafarrowferman@ctuir.org

### **Confederated Tribes of Warm Springs Reservation**

THPO  
P: 541-553-2026  
E: [thpo@ctwsbnr.org](mailto:thpo@ctwsbnr.org)

Bobby Brunoe  
THPO & NAGPRA Coordinator  
E: [robert.brunoe@ctwsbnr.org](mailto:robert.brunoe@ctwsbnr.org)

Please do not hesitate to reach out to me with any further questions.

Cheers,  
Elissa

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Dr. Elissa Bullion, PhD (she/her/hers)  
State Physical Anthropologist  
Legislative Commission on Indian Services  
Oregon State Capitol Building  
900 Court Street, NE, Room 167  
Salem, Oregon 97301  
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**From:** darrin.gilbert@powereng.com <darrin.gilbert@powereng.com>

**Sent:** Friday, January 27, 2023 7:02 AM

**To:** Bullion Elissa <Elissa.Bullion@oregonlegislature.gov>

**Cc:** derik.vowels@powereng.com; benjamin.oconnor@powereng.com; michael.dice@powereng.com

**Subject:** Project Consultation-Indian Historic and Cultural Resources

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Good morning, Dr. Bullion –

The environmental services division of our company is working on a project near the City of Hermiston in Umatilla and Morrow Counties that requires review by the Oregon Department of Energy. We are requesting a list of the names and contact information for the American Indian tribes with which consultation will be required. If you have any questions, please do not hesitate to call me.

Thank you!

**Darrin K. Gilbert**  
*Senior Environmental Planner*  
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Meridian, ID 83642  
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208-515-1658 - Cell

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