



MALHEUR  
COUNTY

Sec.3

Sec.2

5.2

5.3

5.4

5.5

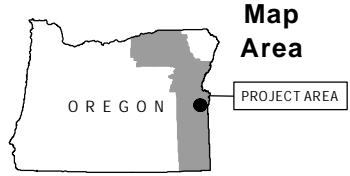
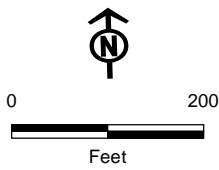
5.6

5.7

20S 44E Sec.10

Sec.11

NANS\_OW\_162725050



Map Area

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Alternative
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)



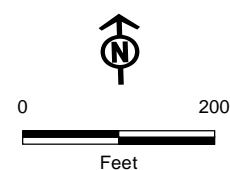
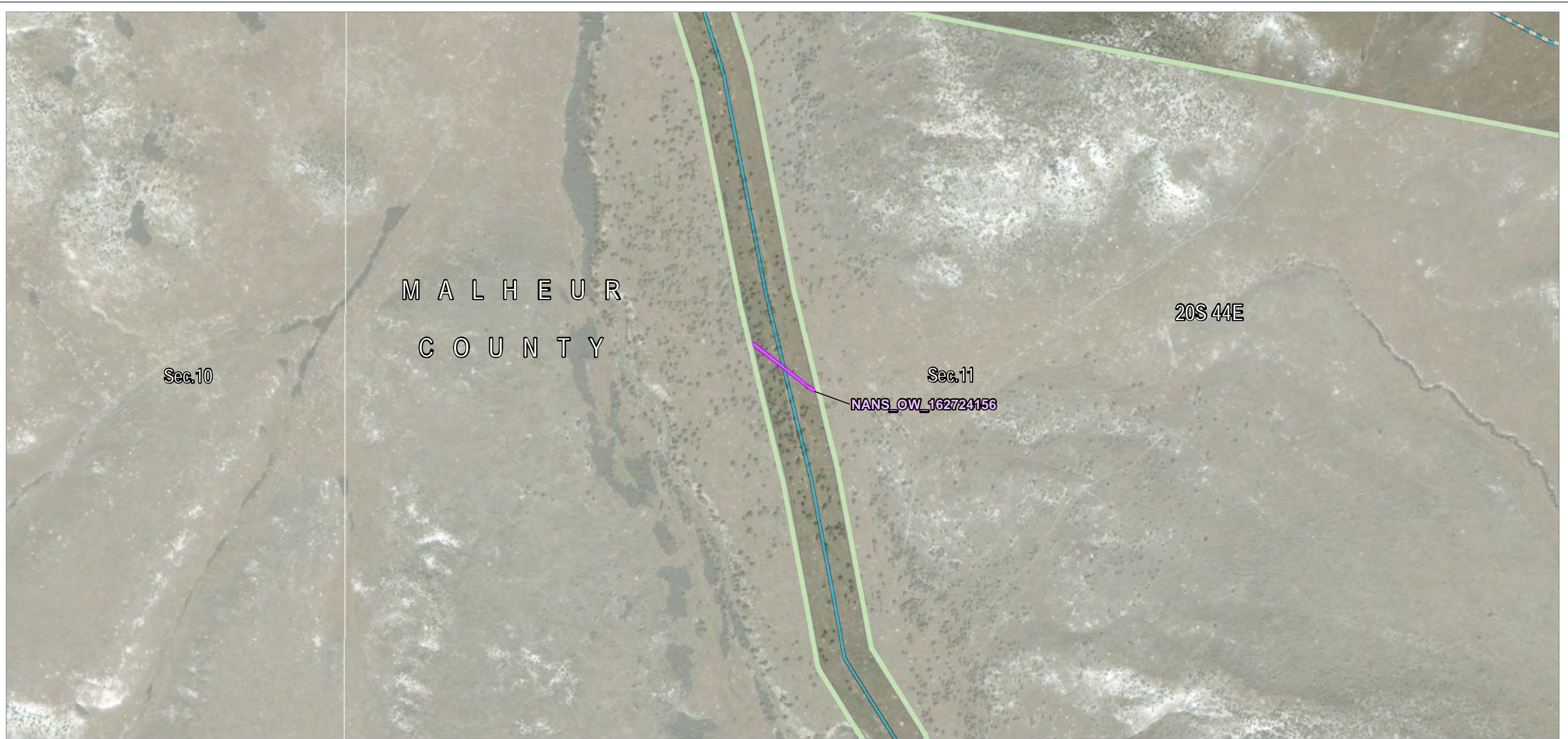
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-301**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

- Project Features**
- Site Boundary
  - Proposed Route
  - Alternative Route
  - Route Centerline
  - Alternative
- Construction Access**
- Existing Road, Substantial Modification, 71-100% Improvements
  - New Road, Bladed
- Other Waters**
- NANS Streams (NHD)

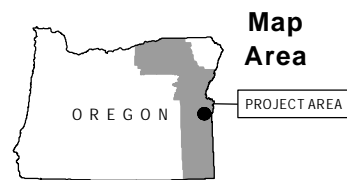
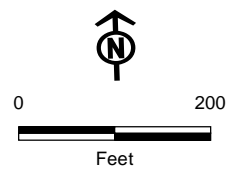
**IDAHO POWER**  
An IDACORP Company

Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-302**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

**Other Waters**

- NANS Streams (NHD)



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-303**

**Wetland and Other Waters  
Detail Maps**

Malheur County

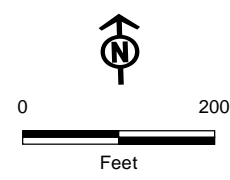
MALHEUR  
COUNTY

20S 44E

Sec.11

Sec.12

NANS\_OW\_162724152



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

**Other Waters**

- NANS Streams (NHD)



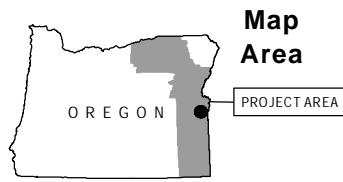
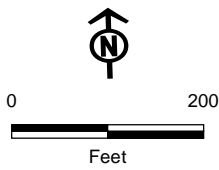
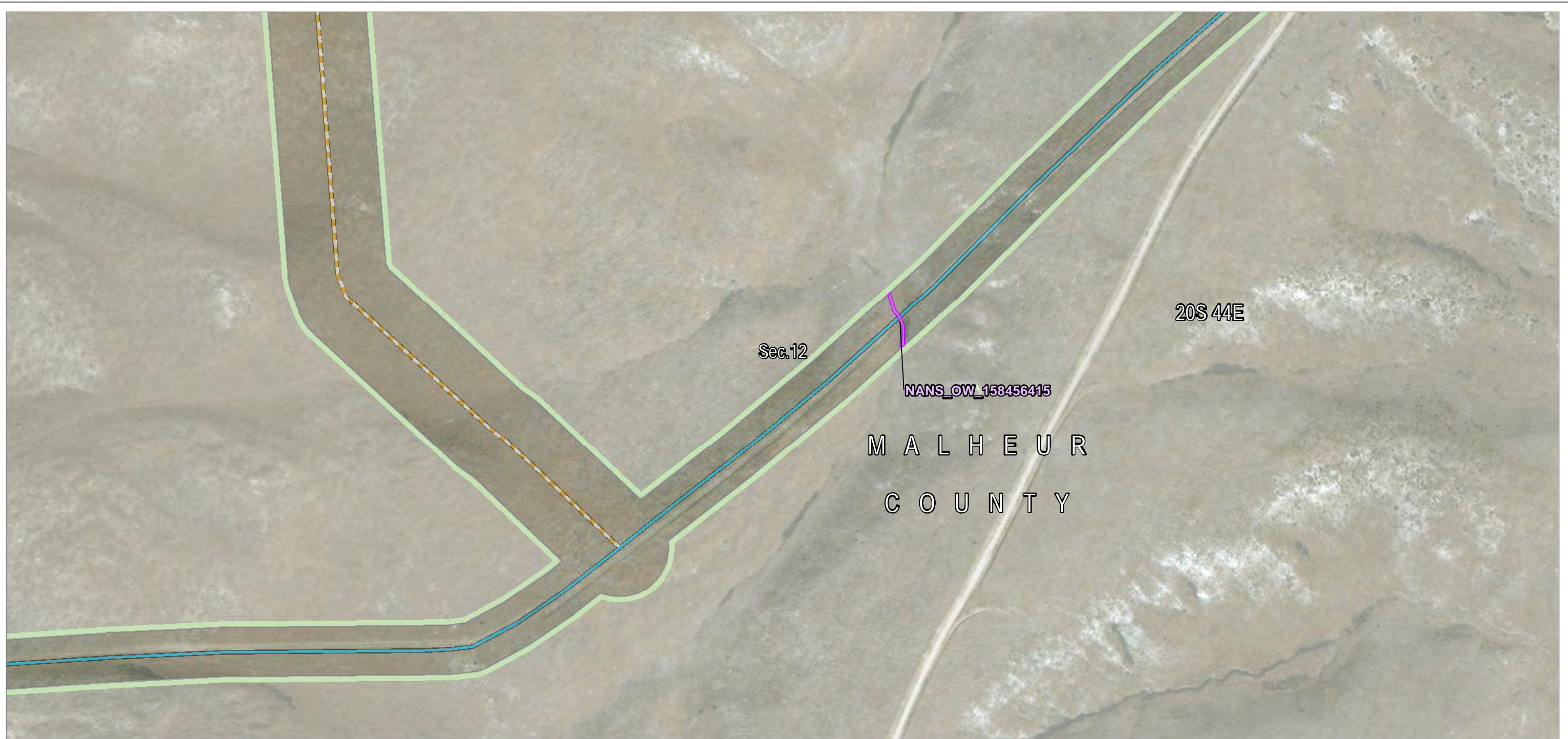
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-304**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



**Map Area**

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

- New Road, Primitive
- Other Waters**
- NANS Streams (NHD)

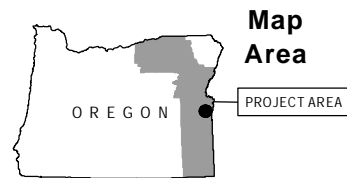
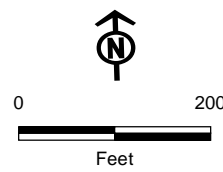


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-305**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

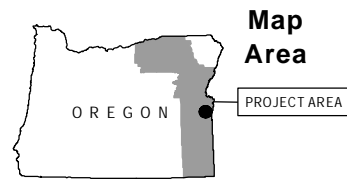
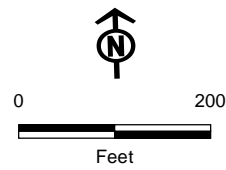
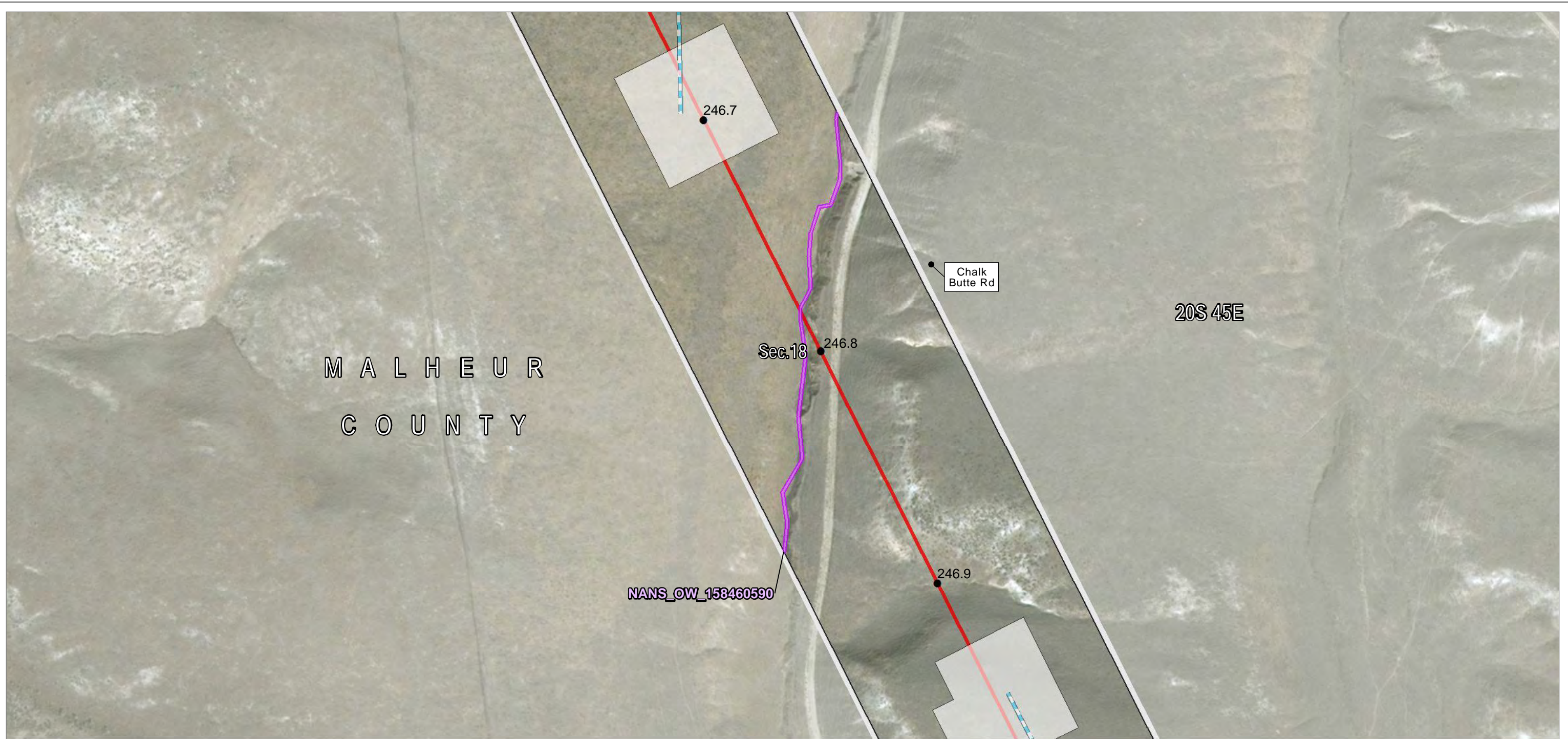


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-306**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-307**

**Wetland and Other Waters  
Detail Maps**

Malheur County

MALHEUR  
COUNTY

Sec.19

NANS\_OW\_158456401

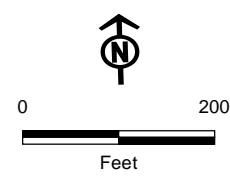
20S 45E

248.2

248.3

Chalk Butte Rd

248.4



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed

- Other Waters**
- NANS Streams (NHD)



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

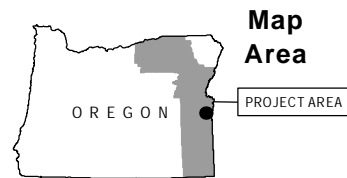
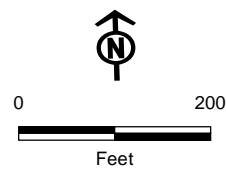
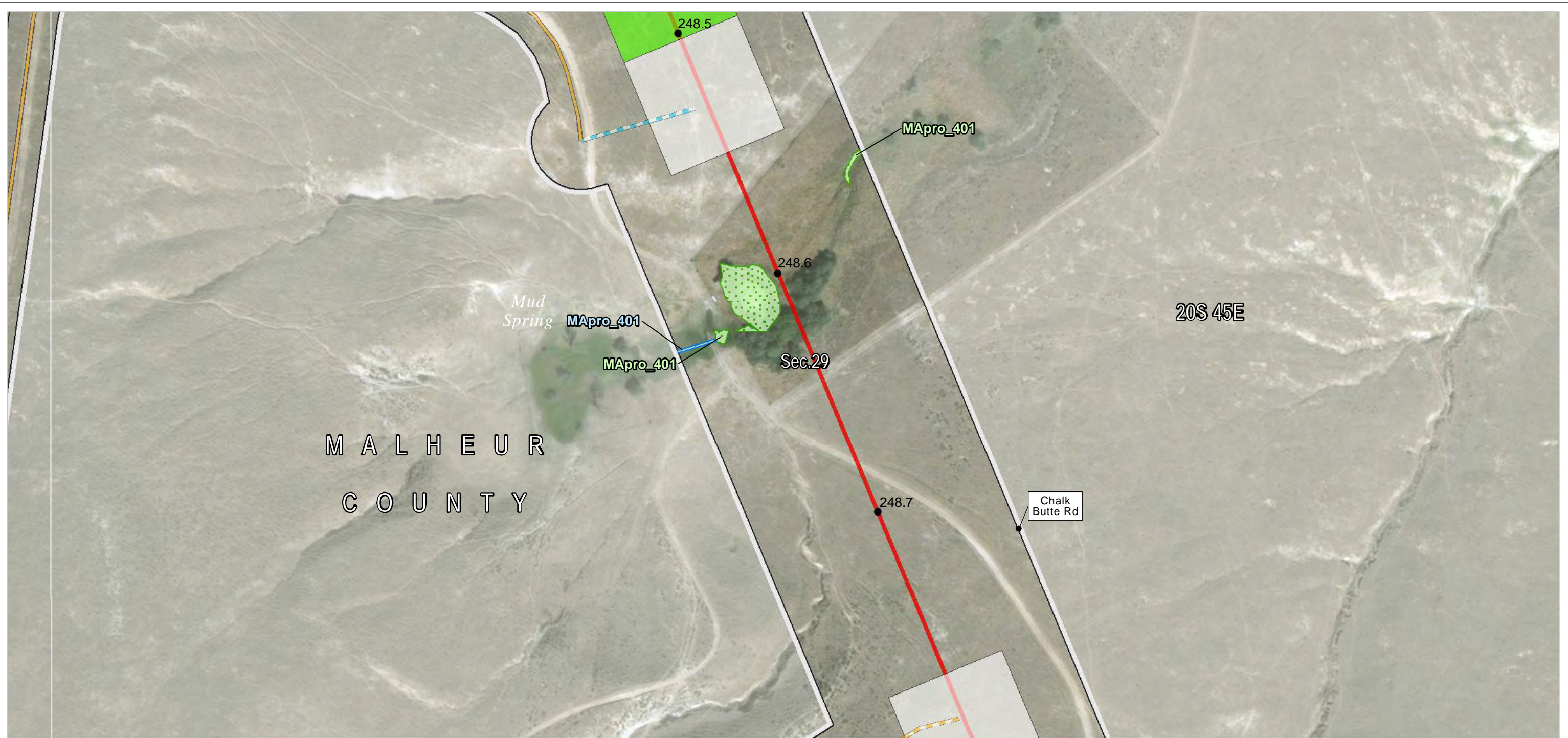
**Attachment J1-308**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo





Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed

- New Road, Primitive
- Other Waters
- Field Survey Streams
- Wetland
- Field Survey Wetland

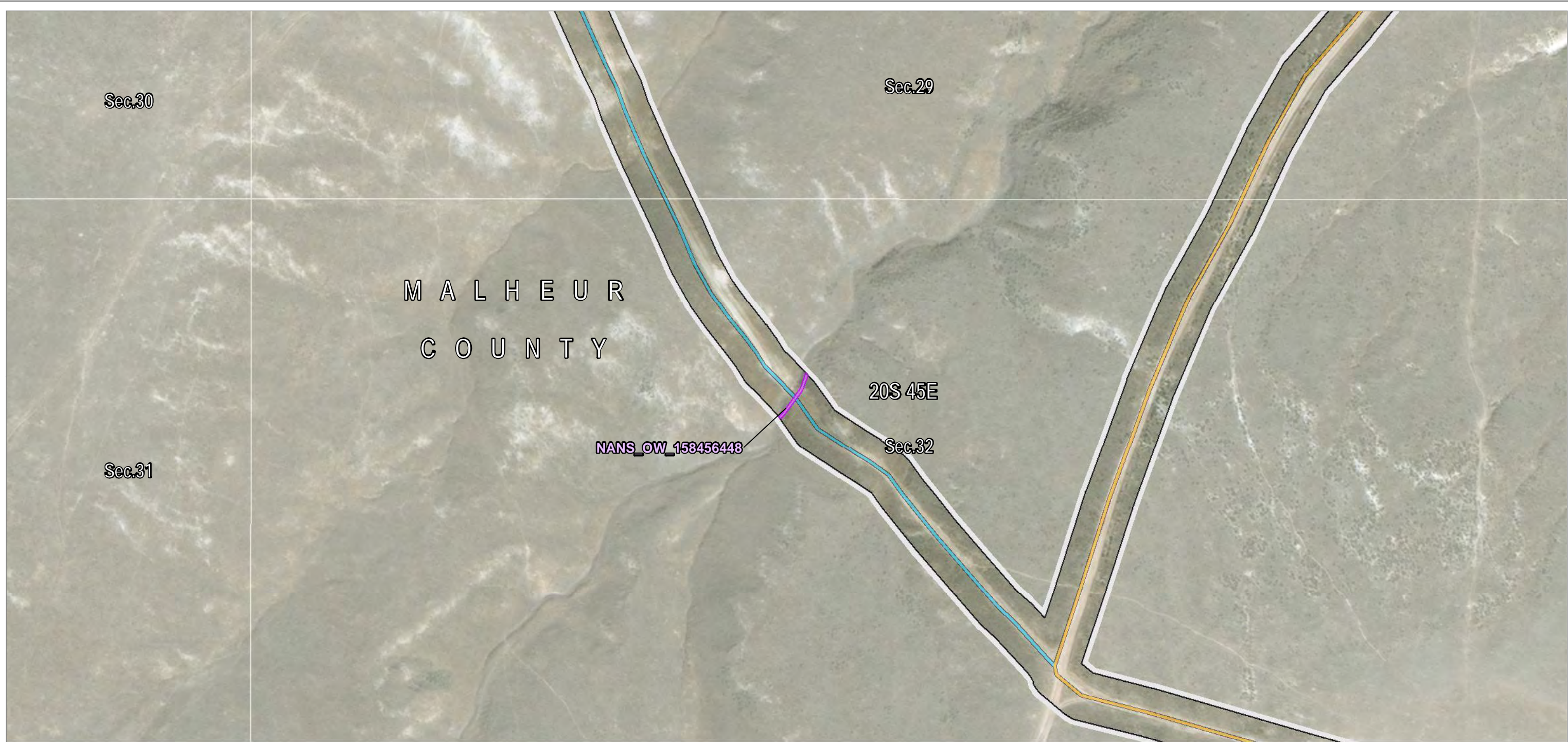


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-309**

**Wetland and Other Waters  
Detail Maps**

Malheur County



M A L H E U R  
C O U N T Y

Sec.29

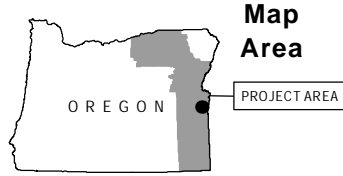
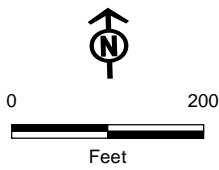
Sec.30

20S 45E

Sec.32

Sec.31

NANS\_OW\_158456448



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

- Existing Road, Substantial Modification, 71-100% Improvements

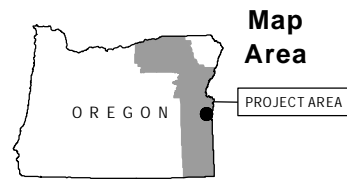
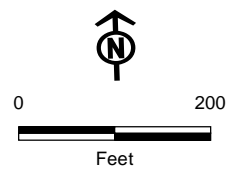
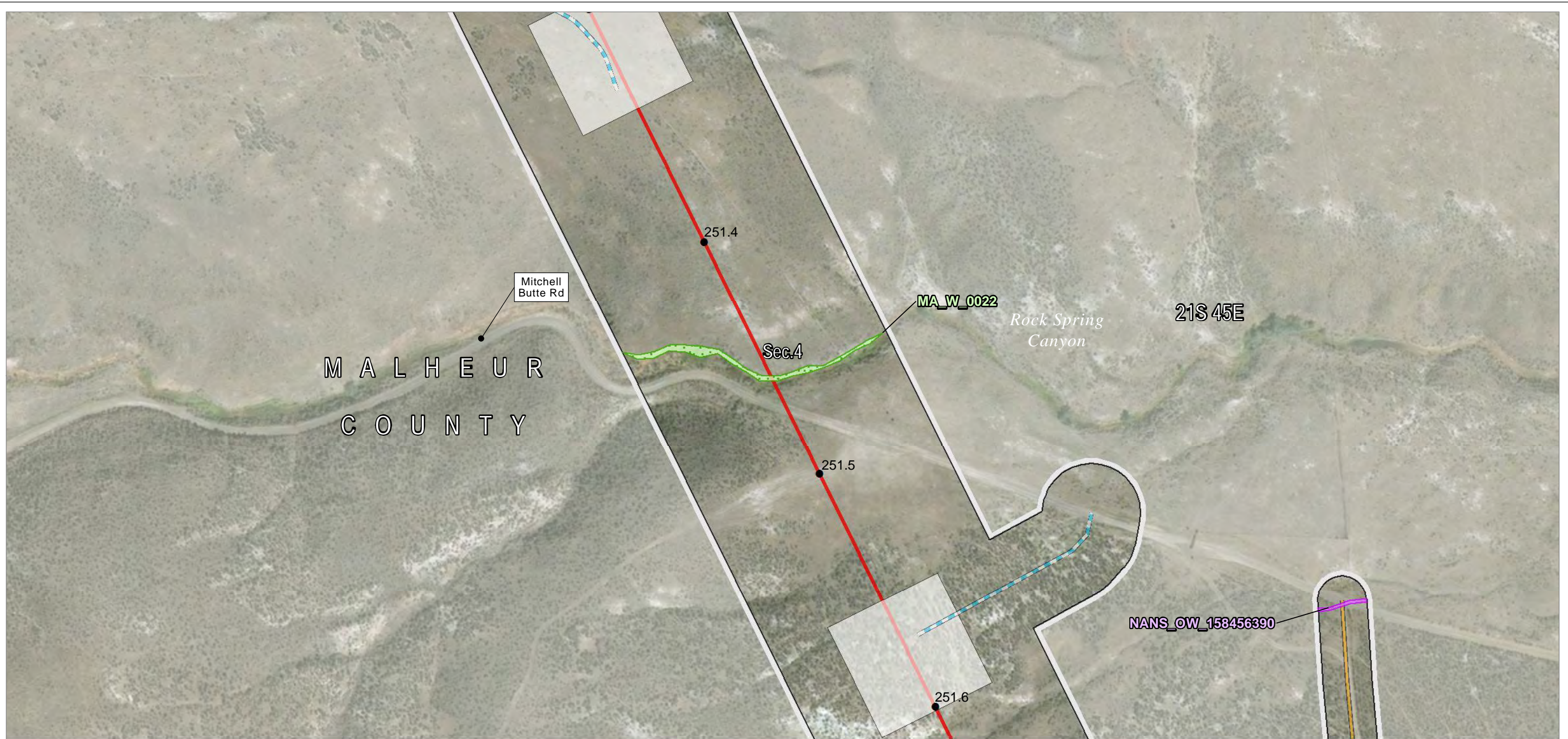
- Other Waters**
- NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-310**  
**Wetland and Other Waters**  
**Detail Maps**  
Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)
- Wetland
- Field Survey Wetland

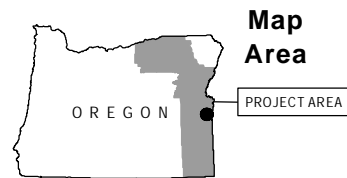
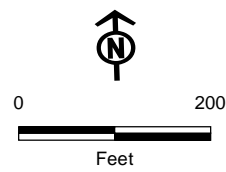
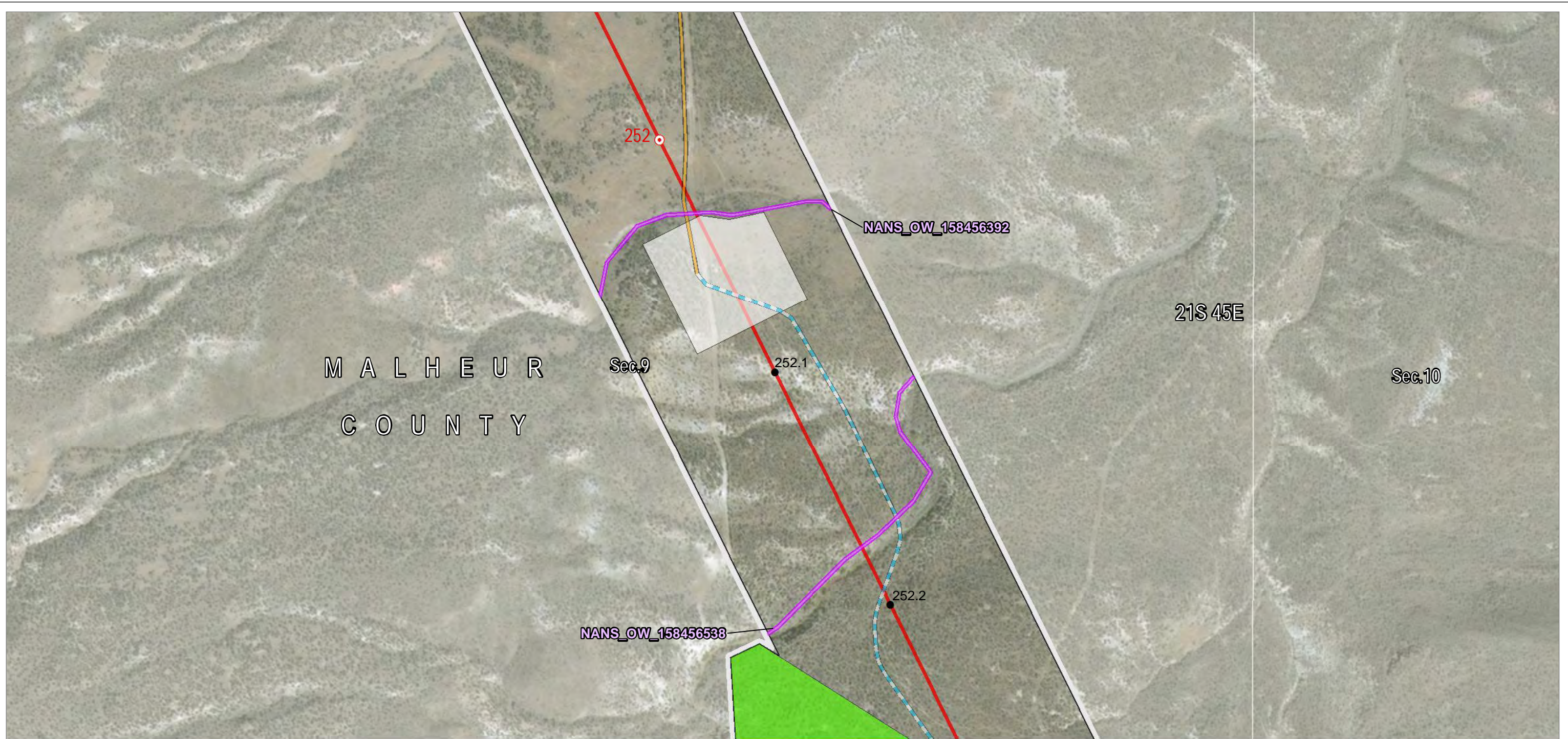


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-311**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Mile
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

- New Road, Bladed
- Other Waters
- NANS Streams (NHD)

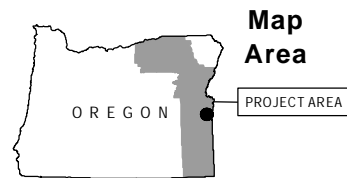
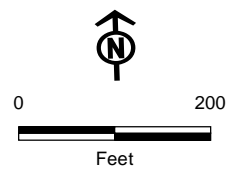
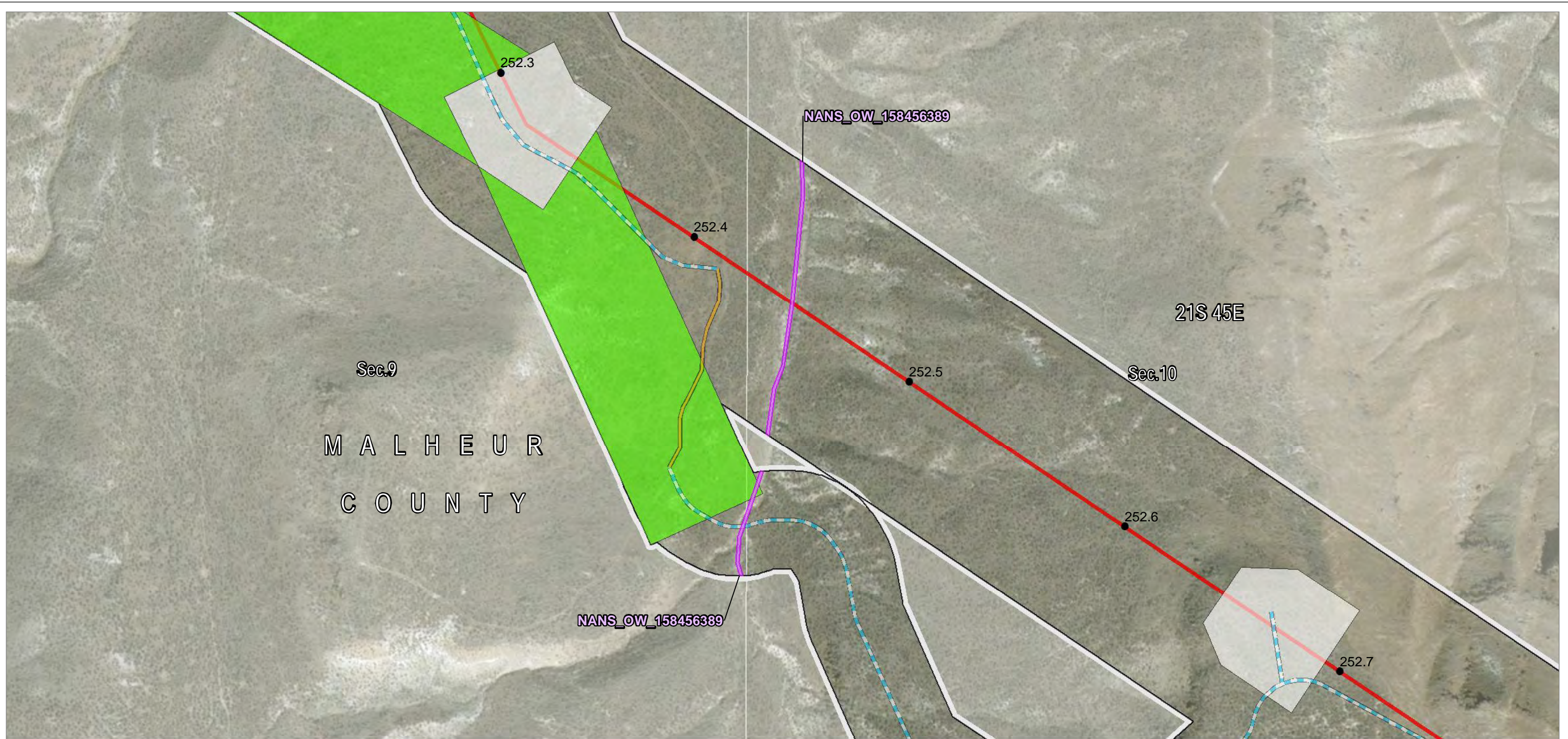


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-312**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

**Other Waters**

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed
- NANS Streams (NHD)

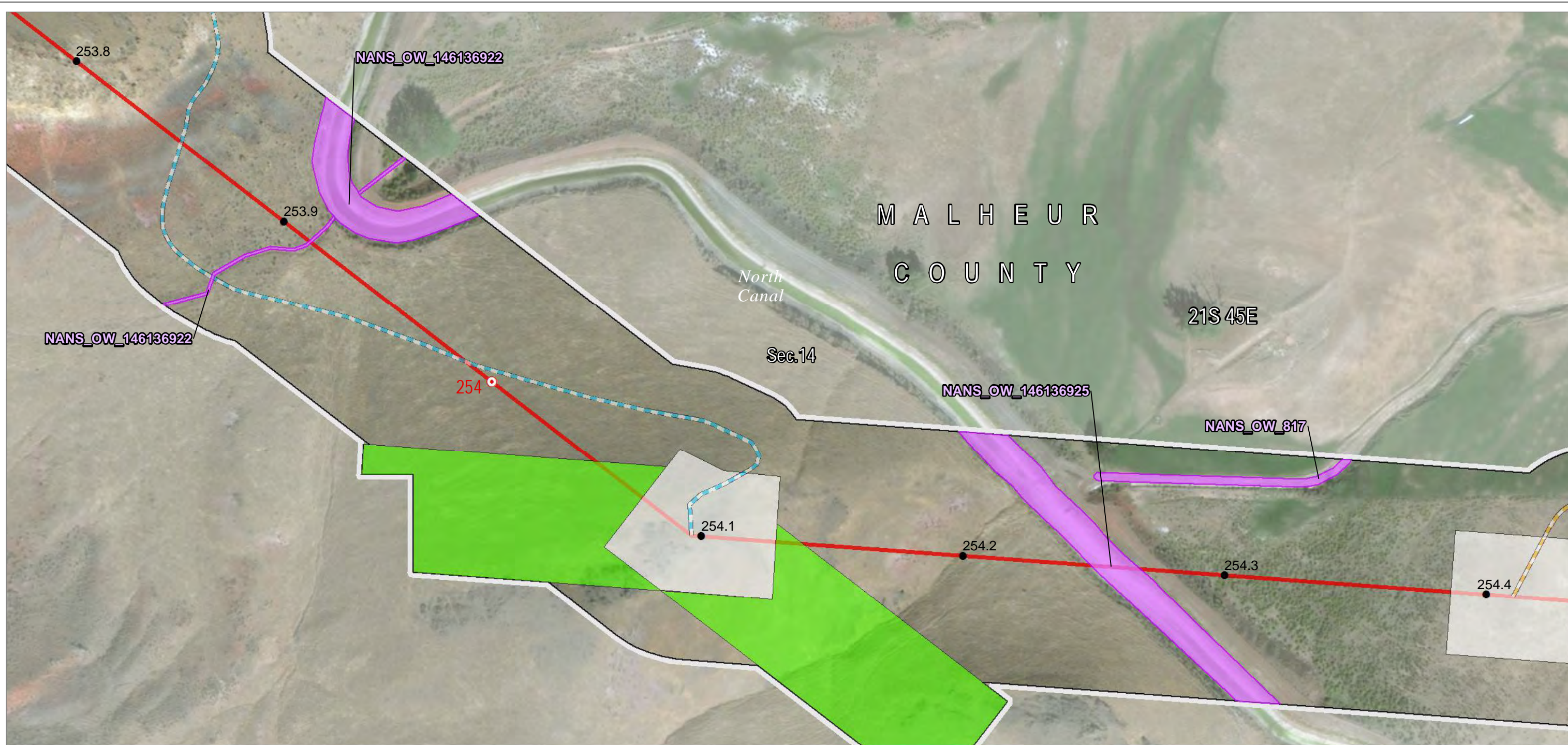


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-313**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

- Project Features**
- Site Boundary
  - Proposed Route
  - Alternative Route
  - Route Centerline
  - Proposed Route
  - Work Areas
  - Pulling and Tensioning

- Structure Work Area
- Mileposts
- Mile
- Tenth-mile
- Construction Access
- New Road, Bladed
- New Road, Primitive

- Other Waters**
- NANS Streams (NHD)

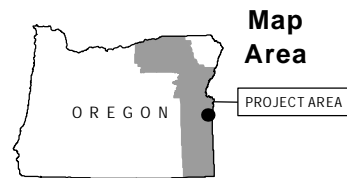
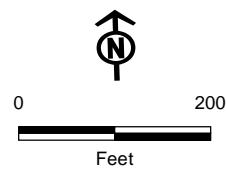
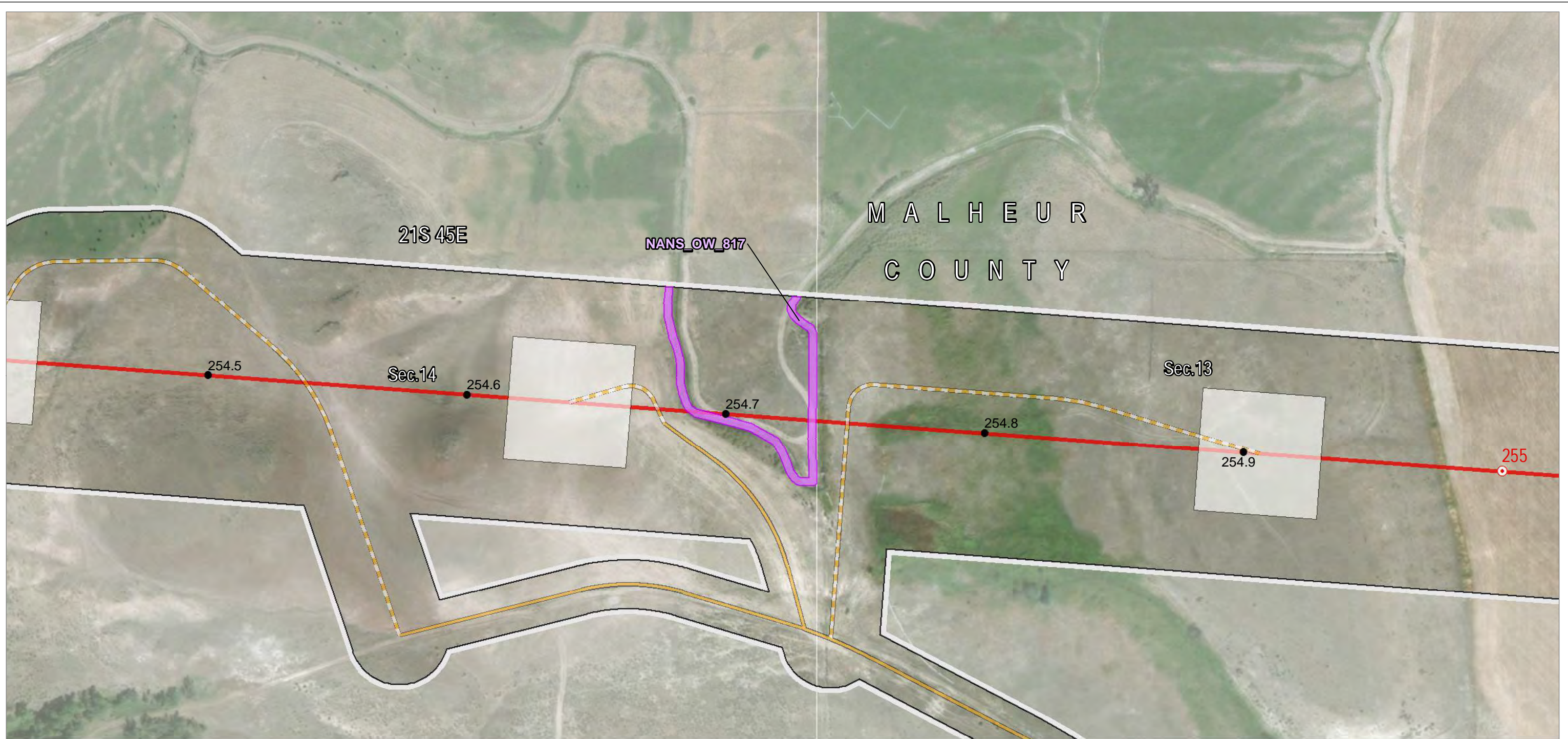
**IDAHO POWER**  
An IDACORP Company

Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-314**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
  - Proposed Route
  - Alternative Route
- Route Centerline
  - Proposed Route
- Work Areas
  - Structure Work Area

**Mileposts**

- Mile
- Tenth-mile
- Construction Access
  - Existing Road, Substantial Modification, 21-70% Improvements
  - New Road, Primitive

**Other Waters**

- NANS Streams (NHD)

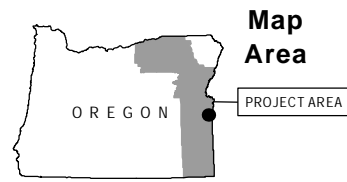
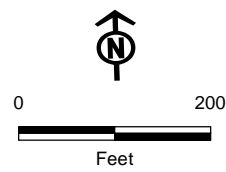


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-315**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- Existing Road, Substantial Modification, 71-100% Improvements

**Other Waters**

- New Road, Bladed
- New Road, Primitive
- NANS Streams (NHD)
- NANS Wetland (NWI)



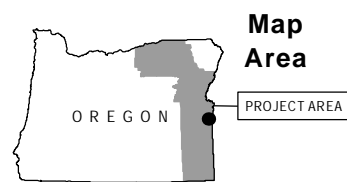
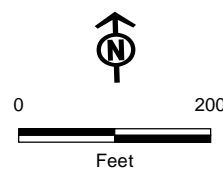
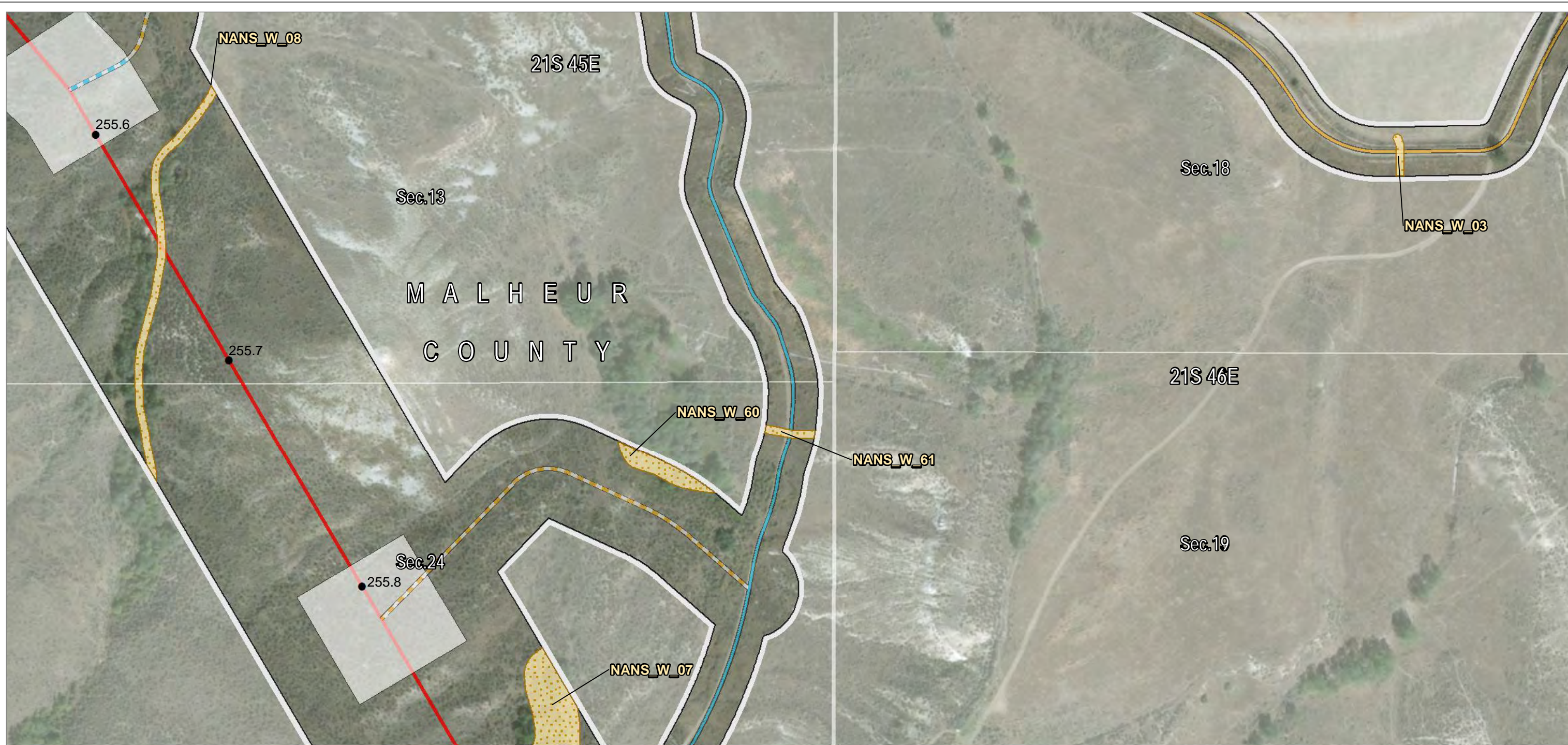
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-316**

**Wetland and Other Waters  
Detail Maps**

Malheur County





Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- Existing Road, Substantial Modification, 71-100% Improvements

- New Road, Bladed
- New Road, Primitive
- Wetland
- NANS Wetland (NWI)

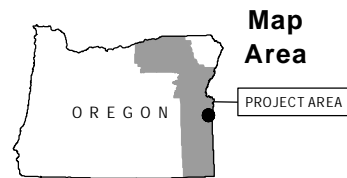
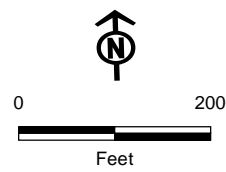
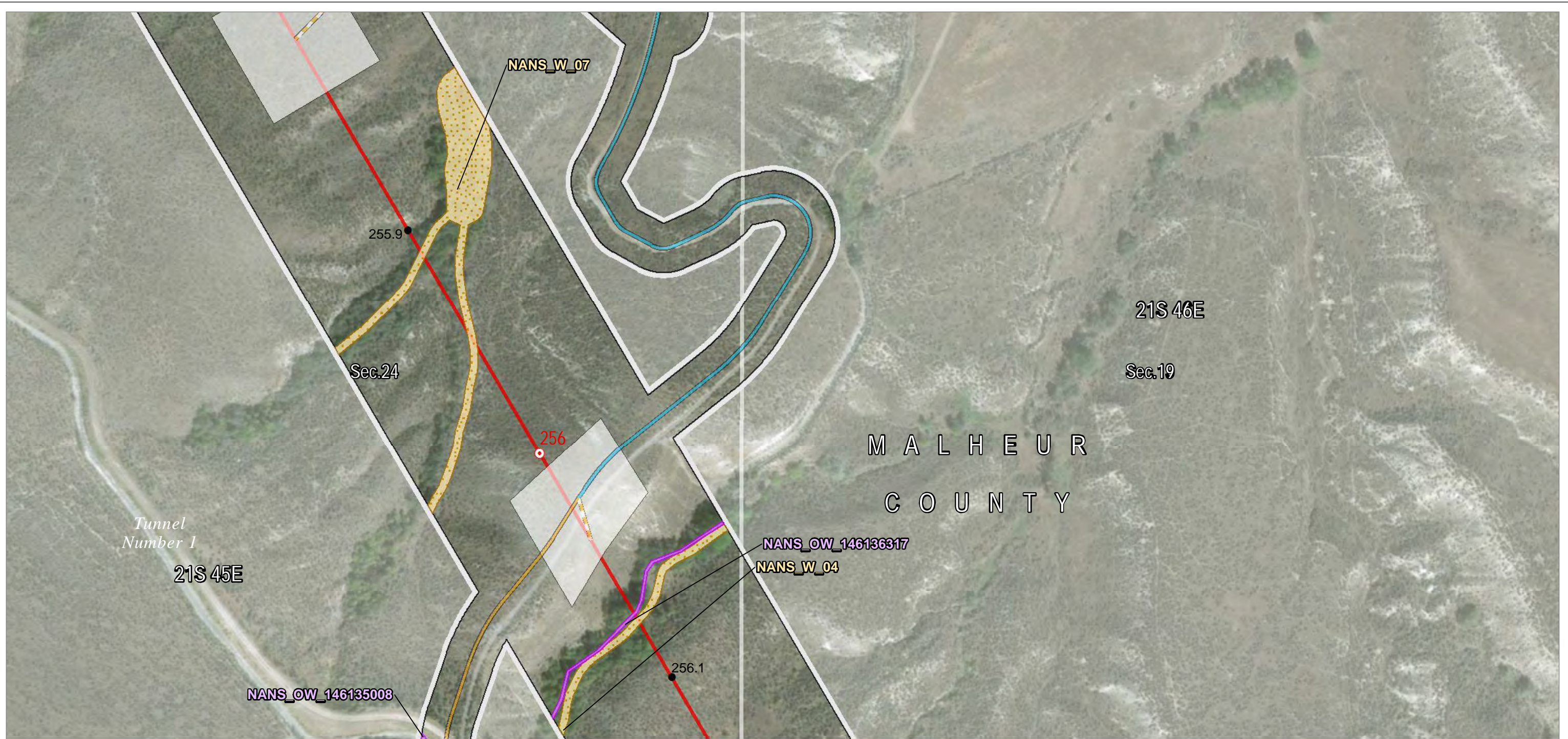


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-317**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Mile
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Primitive

**Other Waters**

- NANS Streams (NHD)

**Wetland**

- NANS Wetland (NWI)

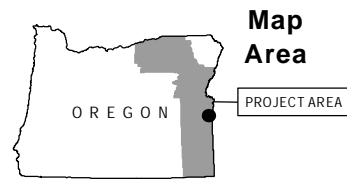
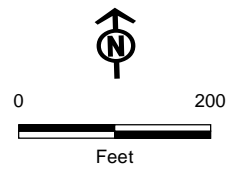


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-318**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Primitive

**Other Waters**

- NANS Streams (NHD)
- Wetland
- NANS Wetland (NWI)

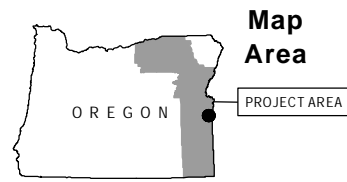
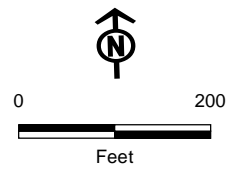


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-319**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

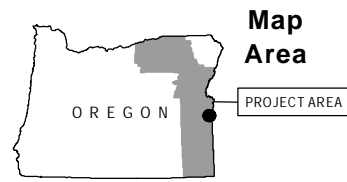
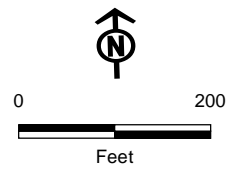


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-320**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

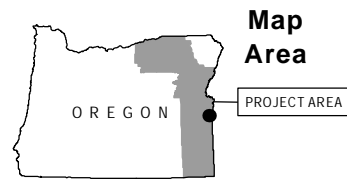
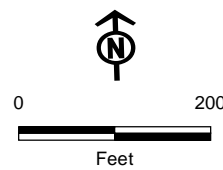
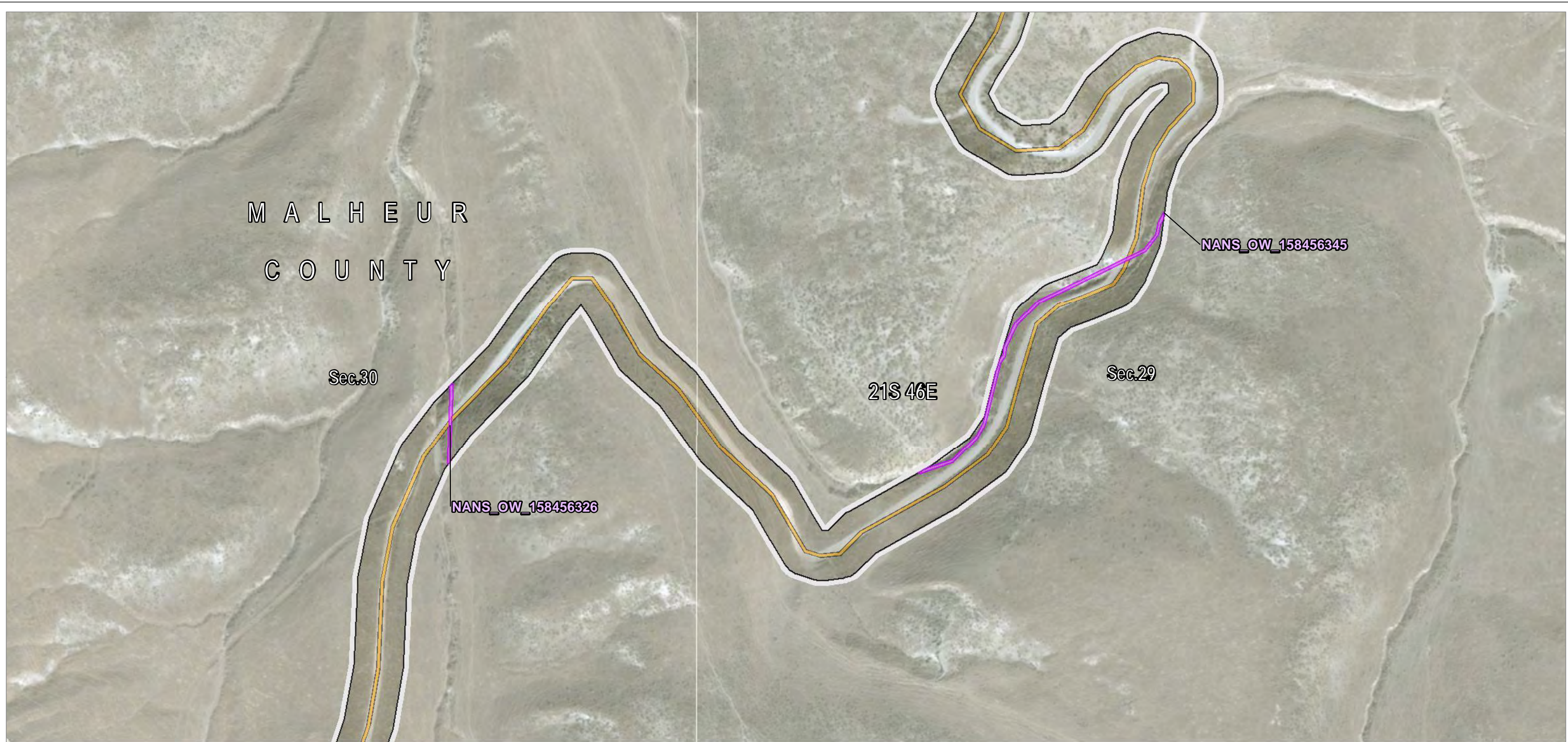


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-321**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

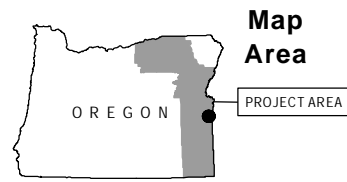
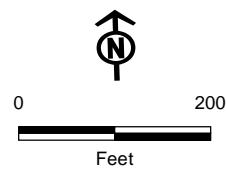


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-322**

**Wetland and Other Waters  
Detail Maps**

Malheur County



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- Existing Road, Substantial Modification, 71-100% Improvements

- New Road, Primitive
- Other Waters
- NANS Streams (NHD)



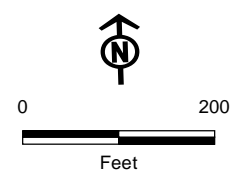
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-323**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

- Project Features**
- Site Boundary
    - Proposed Route
    - Alternative Route
  - Route Centerline
  - Proposed Route
  - Work Areas
    - Structure Work Area

- Mileposts**
- Tenth-mile
- Construction Access**
- Existing Road, Substantial Modification, 21-70% Improvements
  - Existing Road, Substantial Modification, 71-100% Improvements

- New Road, Primitive
- Other Waters**
- NANS Streams (NHD)



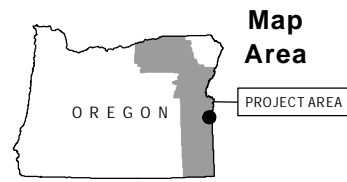
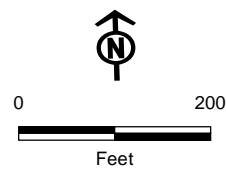
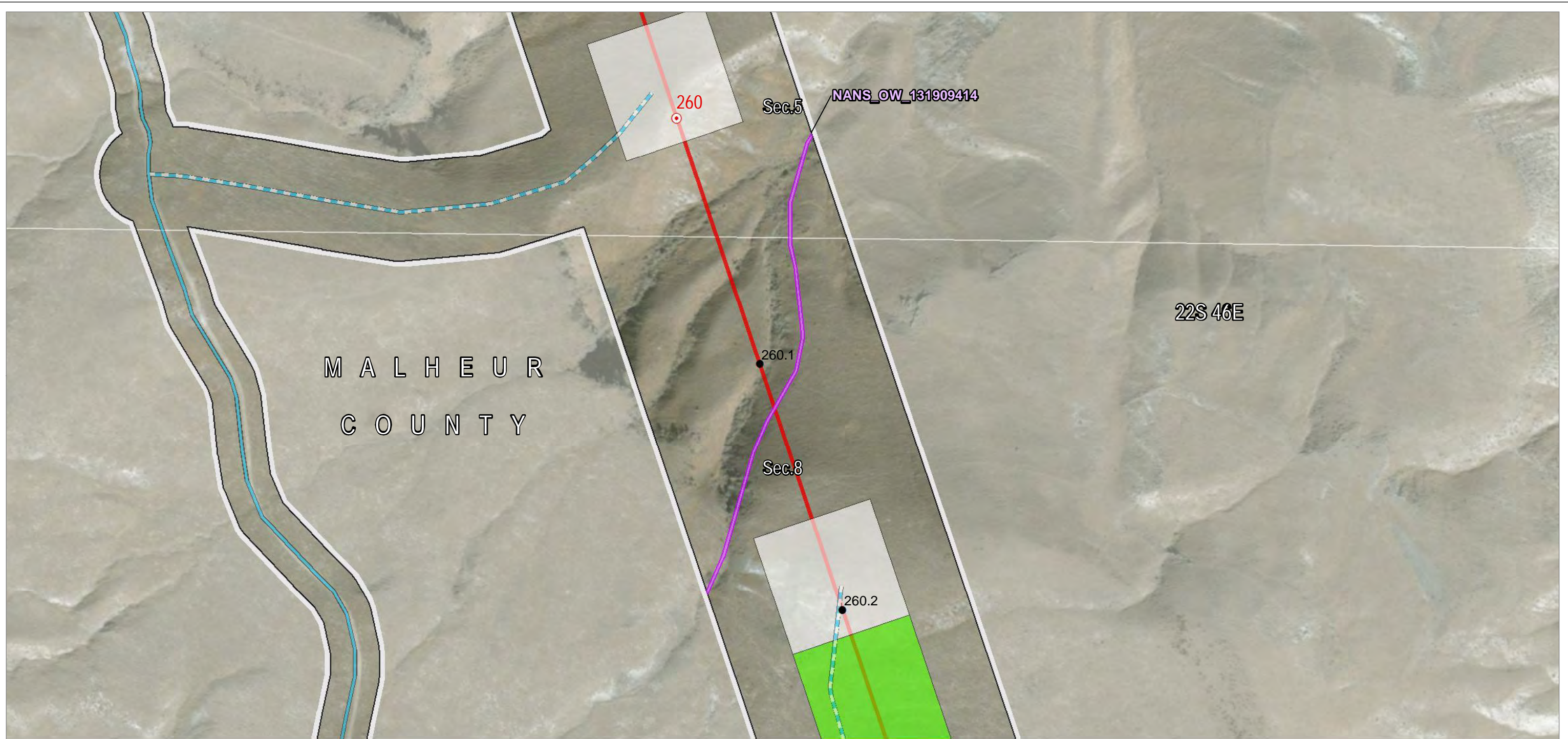
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-324**

**Wetland and Other Waters  
Detail Maps**

Malheur County





Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Mile
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

- New Road, Bladed
- Other Waters
- NANS Streams (NHD)

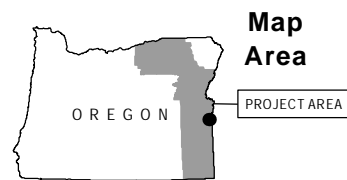
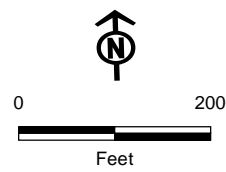
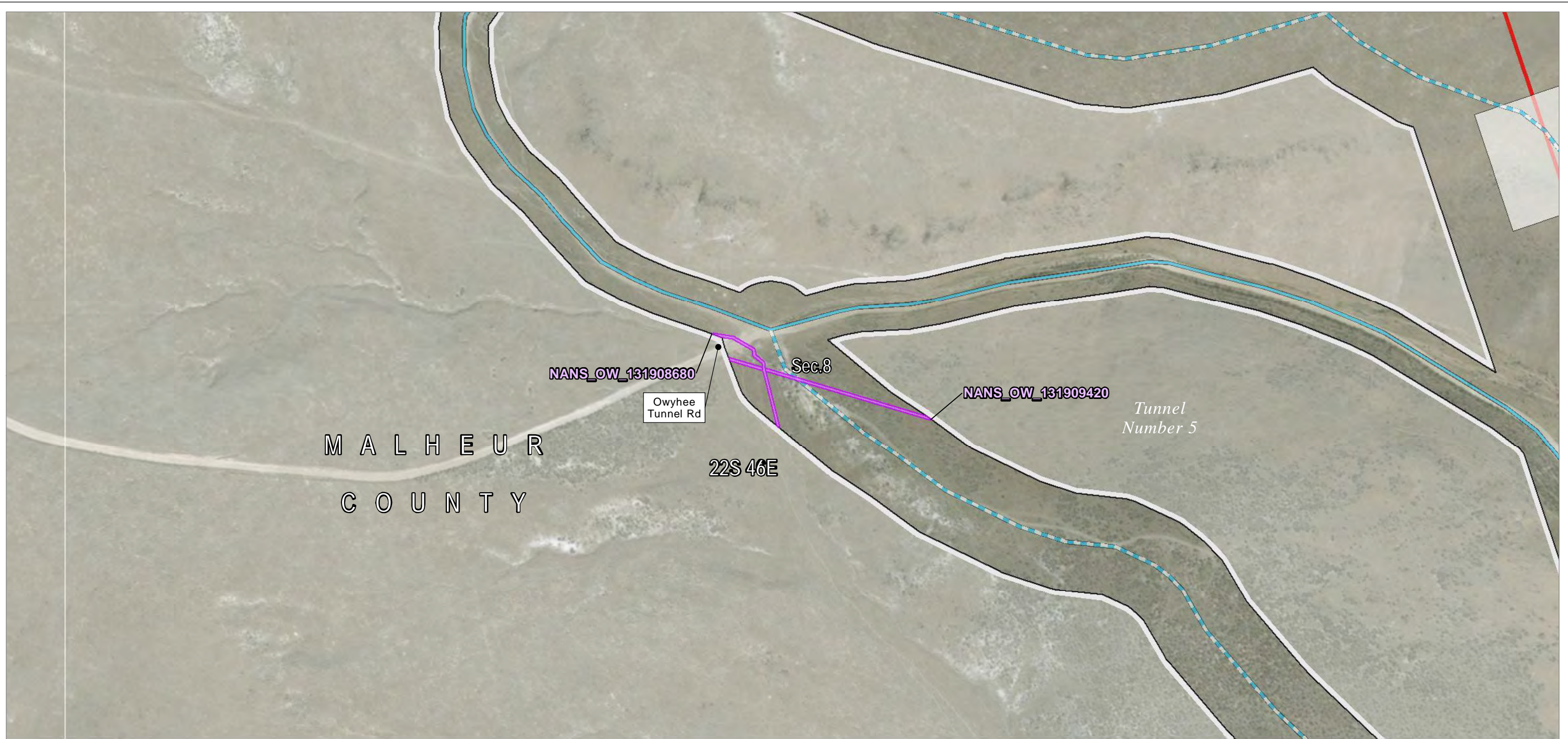


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-325**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Construction Access**

- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)

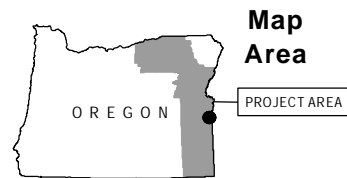
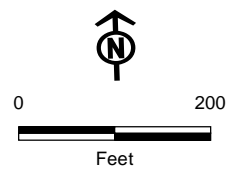
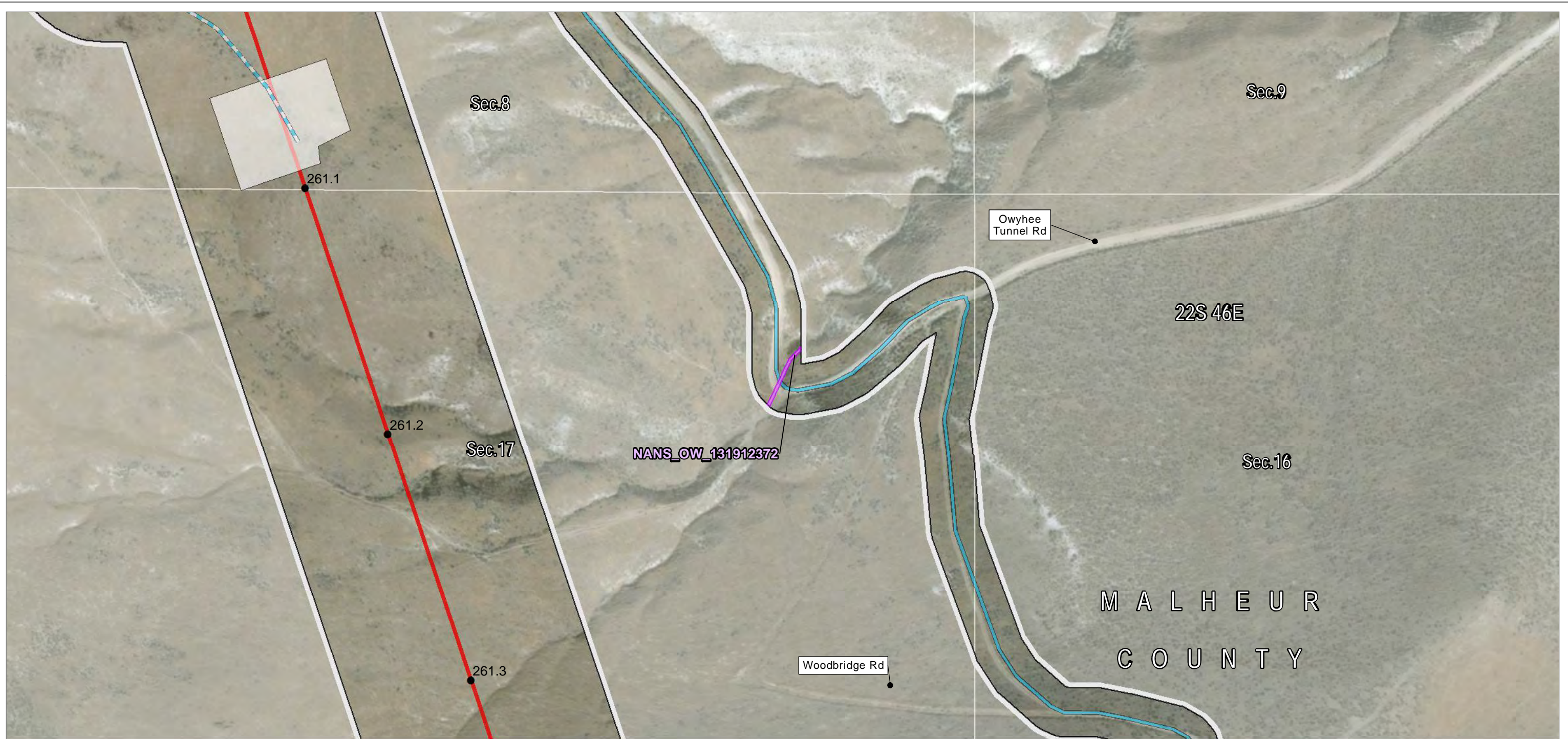


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-326**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)

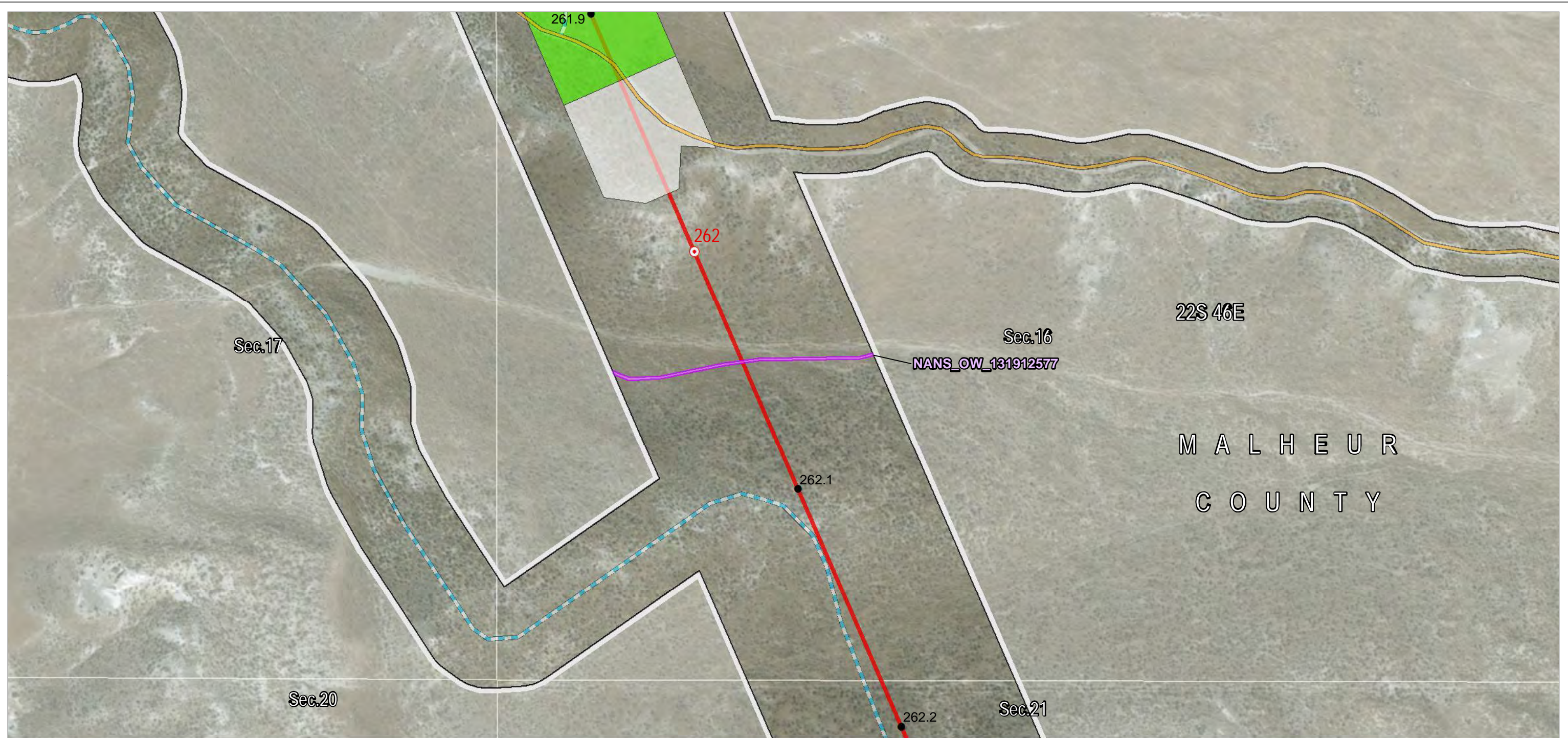


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-327**

**Wetland and Other Waters  
Detail Maps**

Malheur County



22S 46E

MALHEUR  
COUNTY

Sec.17

Sec.16

Sec.20

Sec.21

262

262.1

262.2

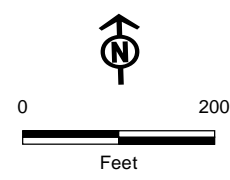
NANS\_OW\_131912577

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Mile
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

- New Road, Bladed
- Other Waters
- NANS Streams (NHD)



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

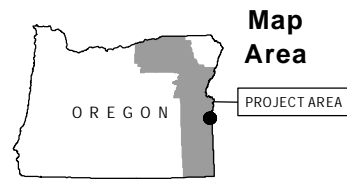
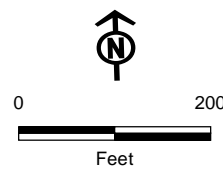


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-328**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

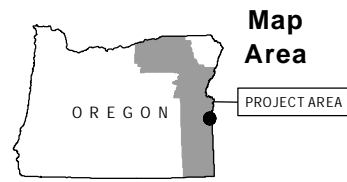
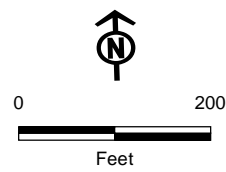
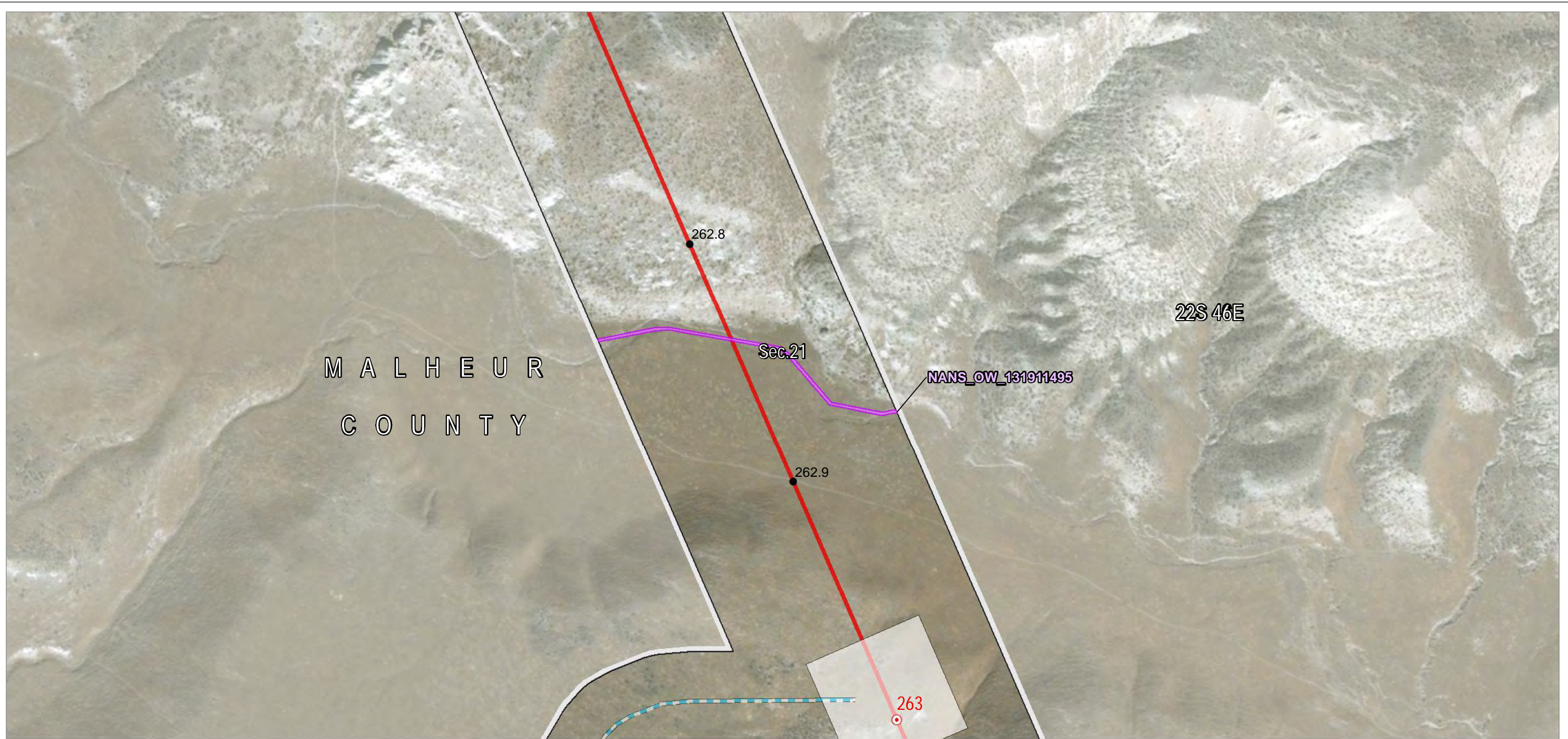


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-329**

**Wetland and Other Waters  
Detail Maps**

Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Mile
- Tenth-mile

**Construction Access**

- New Road, Bladed

**Other Waters**

- NANS Streams (NHD)

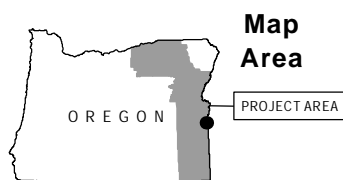
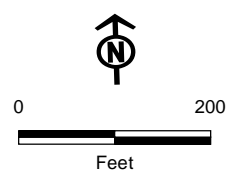


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-330**

**Wetland and Other Waters  
Detail Maps**

Malheur County



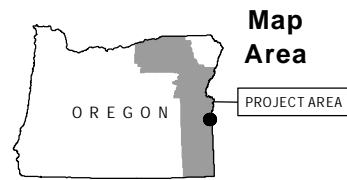
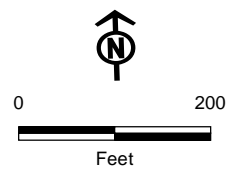
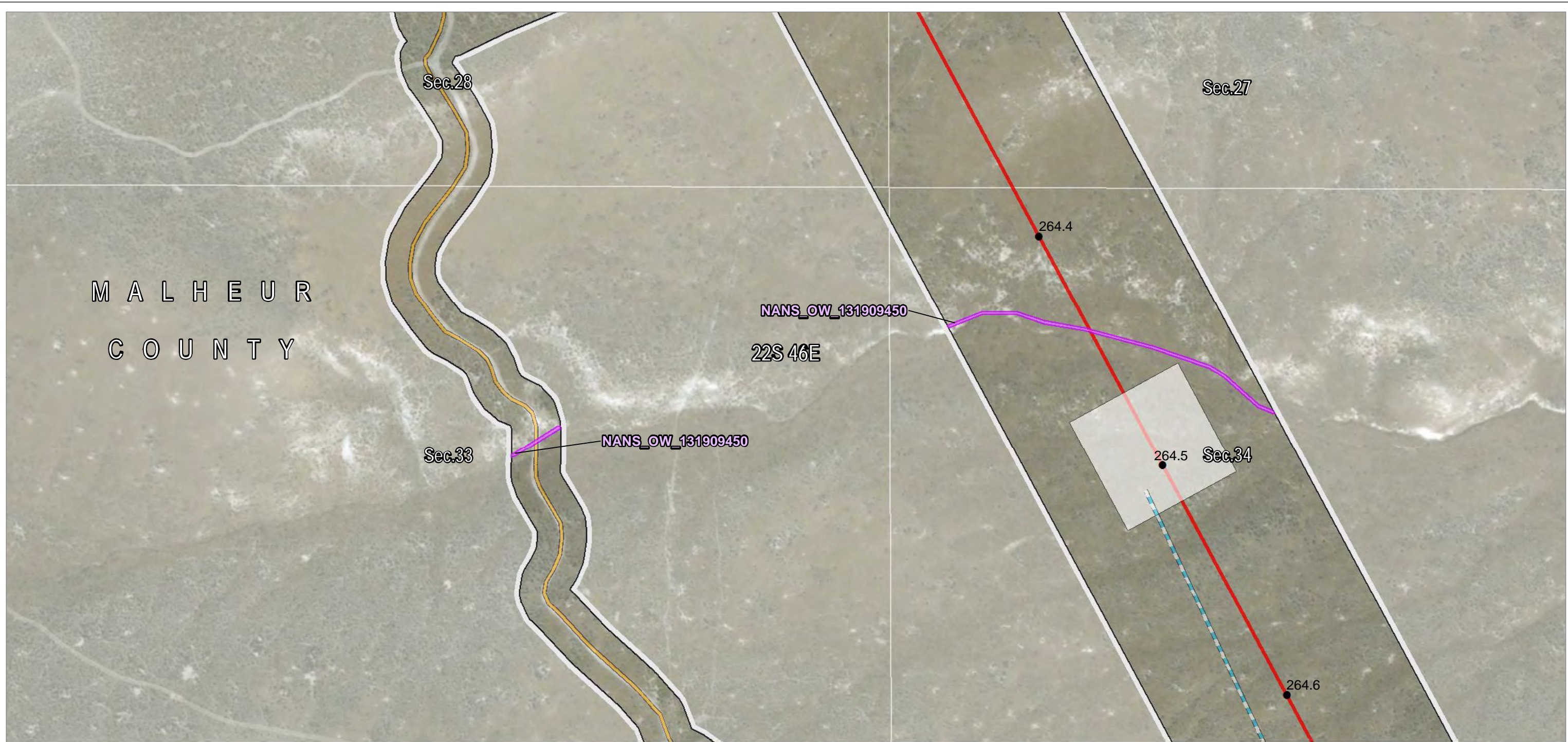
- Project Features**
- Site Boundary
    - Proposed Route
    - Alternative Route
  - Construction Access
    - Existing Road, Substantial Modification, 21-70% Improvements
    - New Road, Primitive
- Other Waters**
- NANS Streams (NHD)

**IDAHO POWER**  
An IDACORP Company

Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-331**  
**Wetland and Other Waters**  
**Detail Maps**  
Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed
- New Road, Primitive

**Other Waters**

- NANS Streams (NHD)



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-332**

**Wetland and Other Waters  
Detail Maps**

Malheur County





MALHEUR  
COUNTY  
23S 46E

South  
Canal

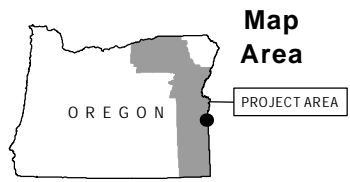
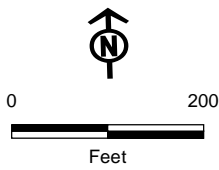
NANS\_OW\_131912674

Sec.3

265.9

266

266.1



Map  
Area

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Mile
- Tenth-mile

**Construction Access**

- New Road, Bladed
- New Road, Primitive

**Other Waters**

- NANS Streams (NHD)



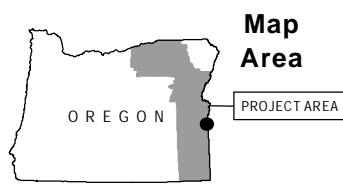
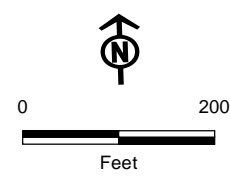
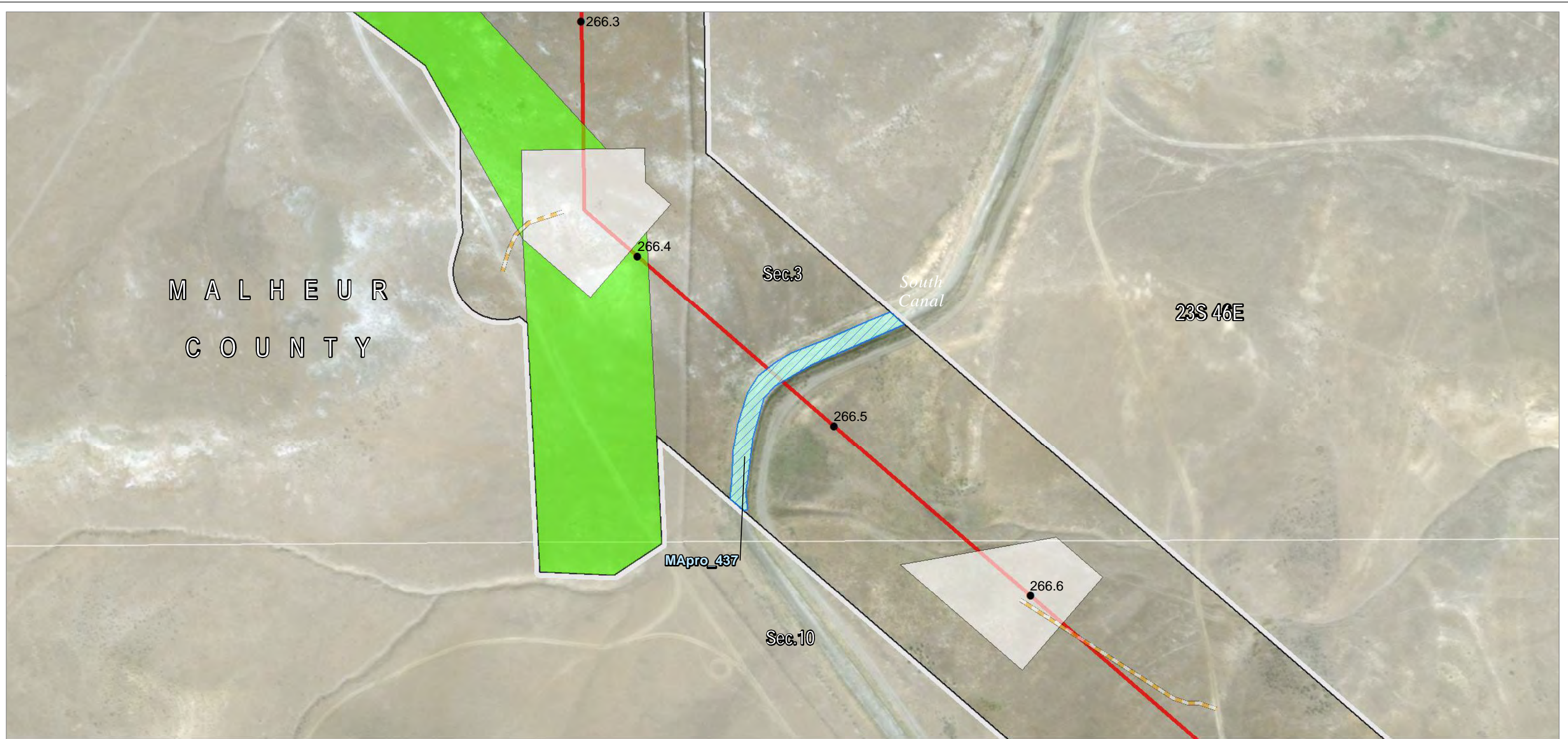
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-333**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

- |                          |                        |
|--------------------------|------------------------|
| <b>Project Features</b>  | □ Structure Work Area  |
| Site Boundary            | □ Mileposts            |
| □ Proposed Route         | ● Tenth-mile           |
| □ Alternative Route      | □ Construction Access  |
| □ Route Centerline       | □ New Road, Primitive  |
| — Proposed Route         | <b>Other Waters</b>    |
| Work Areas               | □ Field Survey Streams |
| ■ Pulling and Tensioning |                        |

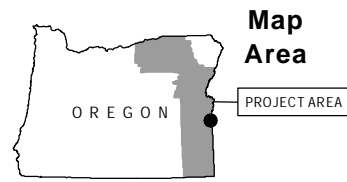
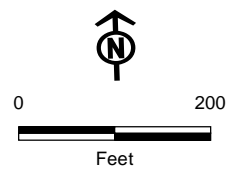
**IDAHO POWER**  
An IDACORP Company

Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-334**

**Wetland and Other Waters  
Detail Maps**

Malheur County



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Mile
- Tenth-mile
- Construction Access
- New Road, Bladed
- New Road, Primitive

**Wetland**

- Field Survey Wetland

**Other Waters**

- Field Survey Streams



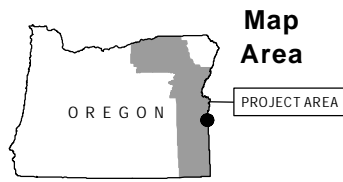
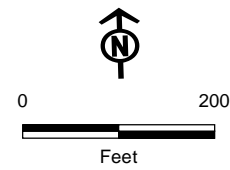
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-335**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Other Waters**

- NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

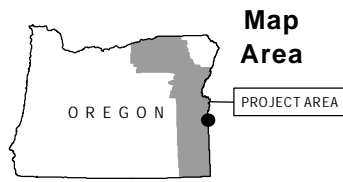
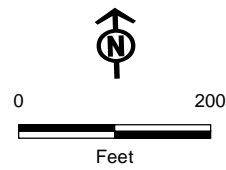
**Attachment J1-336**

**Wetland and Other Waters  
Detail Maps**

Malheur County



MALHEUR  
COUNTY



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

**Wetland**

- NANS Wetland (NWI)



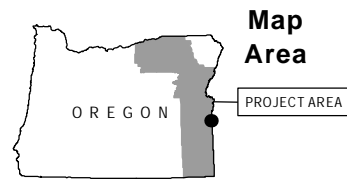
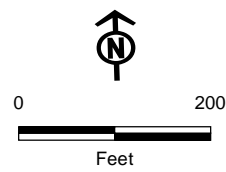
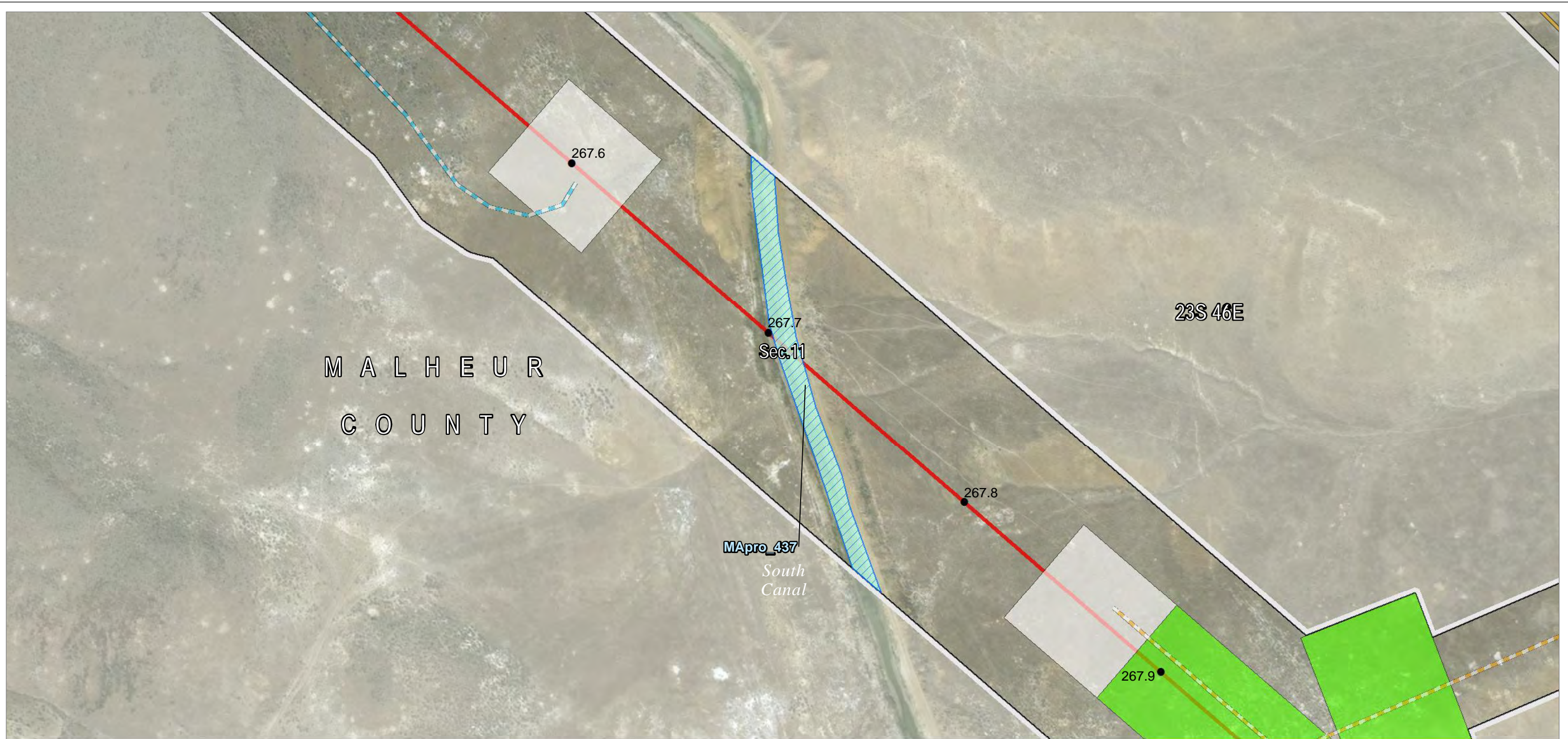
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-337**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed

- New Road, Primitive
- Other Waters
- Field Survey Streams



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

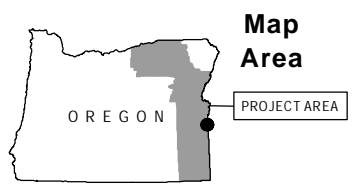
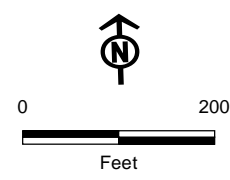
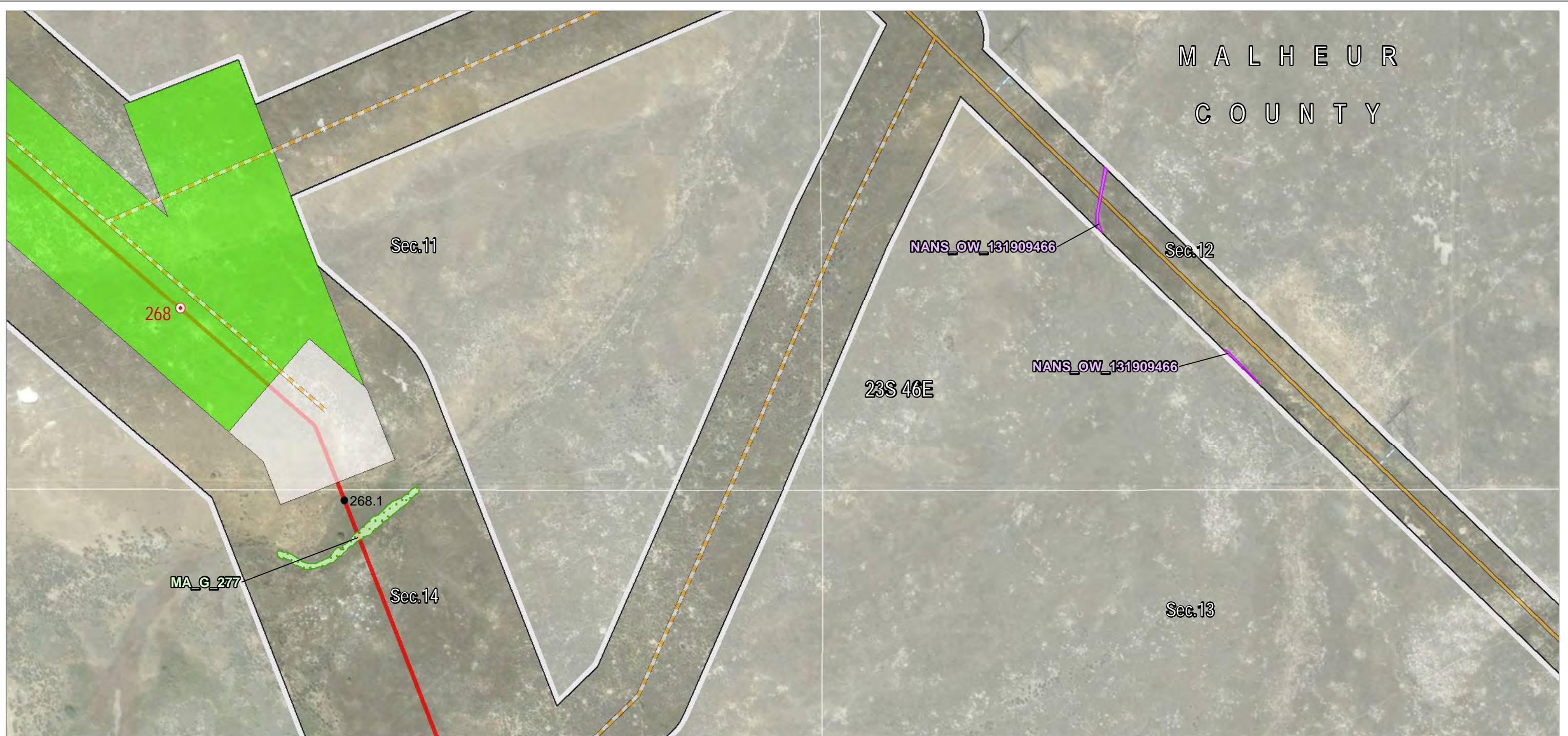
**Attachment J1-338**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

MALHEUR  
COUNTY



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Mile
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements

- New Road, Primitive
- Other Waters
- NANS Streams (NHD)
- Wetland
- Field Survey Wetland



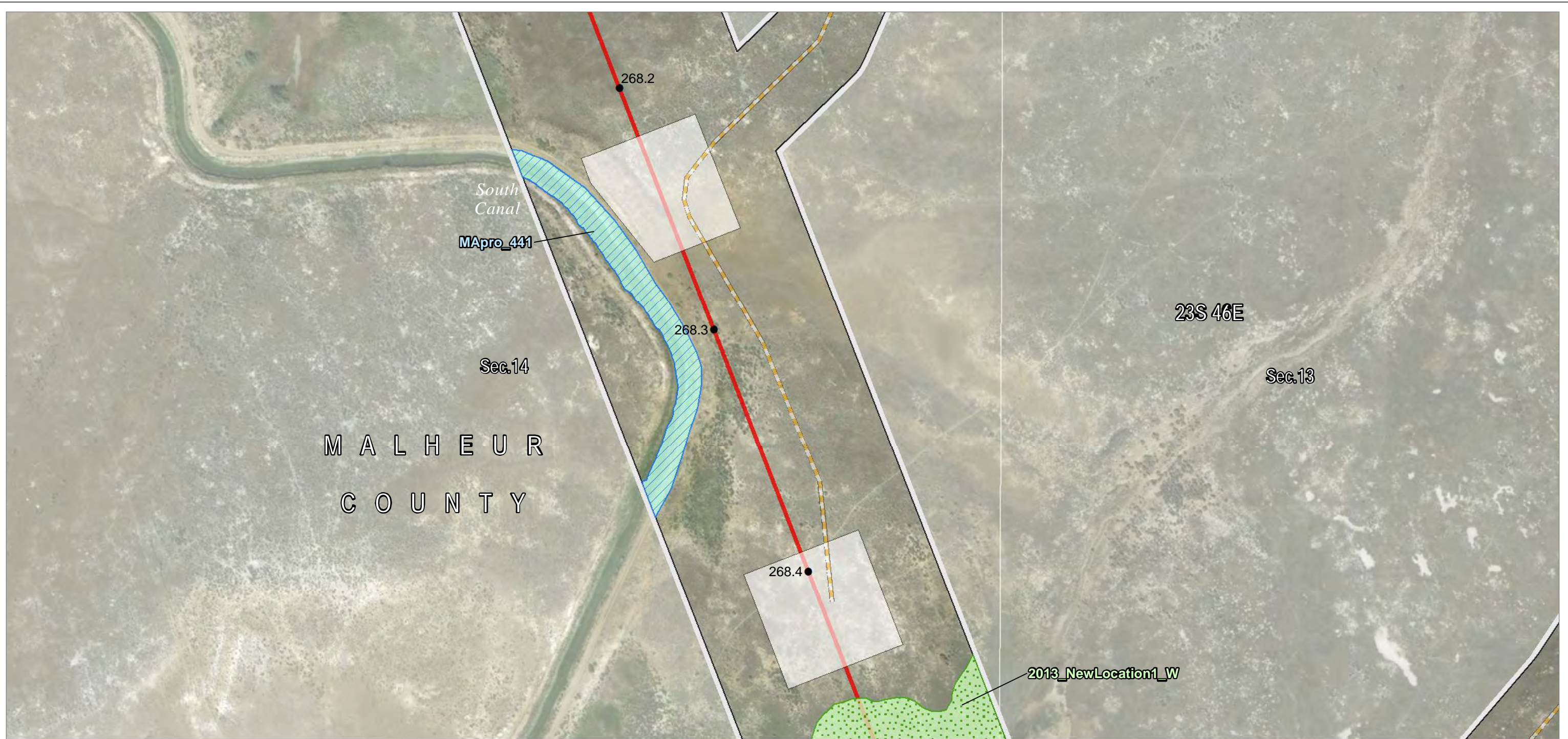
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-339**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



M A L H E U R  
C O U N T Y

23S 46E

Sec.13

Sec.14

South Canal

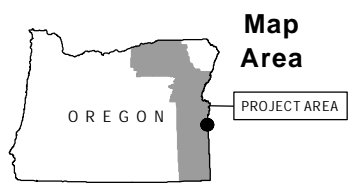
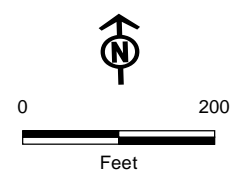
MApro\_441

268.2

268.3

268.4

2013\_NewLocation1\_W



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- New Road, Primitive

**Other Waters**

- Field Survey Streams

**Wetland**

- Field Survey Wetland



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

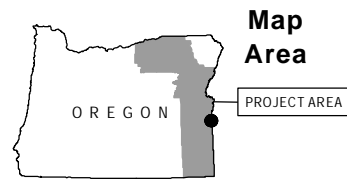
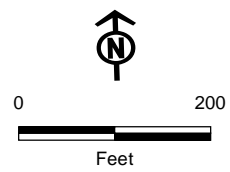
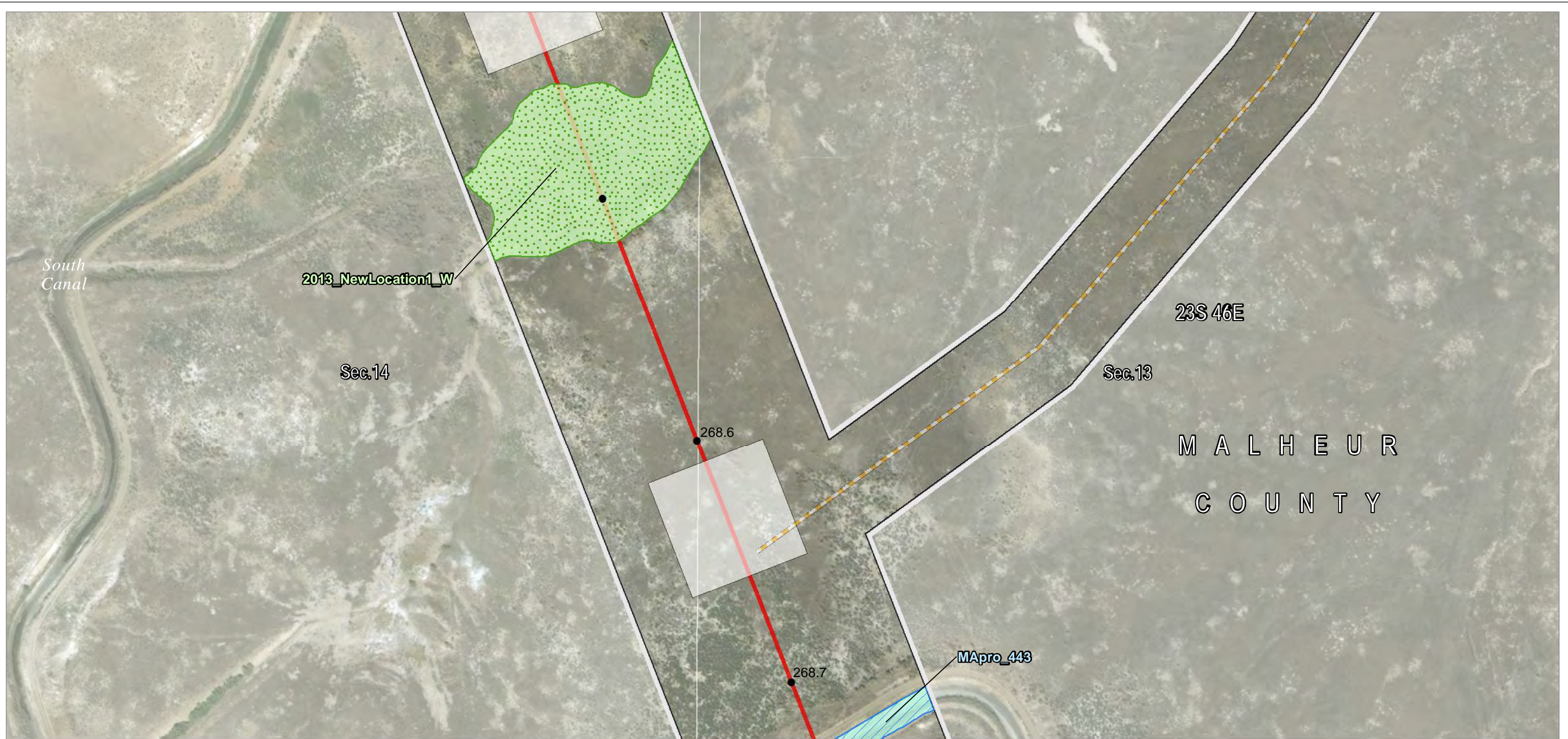
**Attachment J1-340**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo





Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- New Road, Primitive

**Other Waters**

- Field Survey Streams

**Wetland**

- Field Survey Wetland

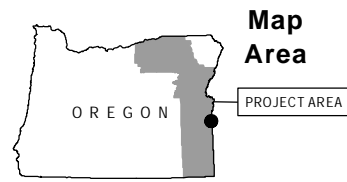
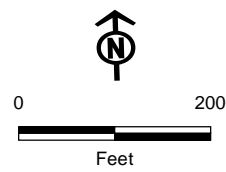
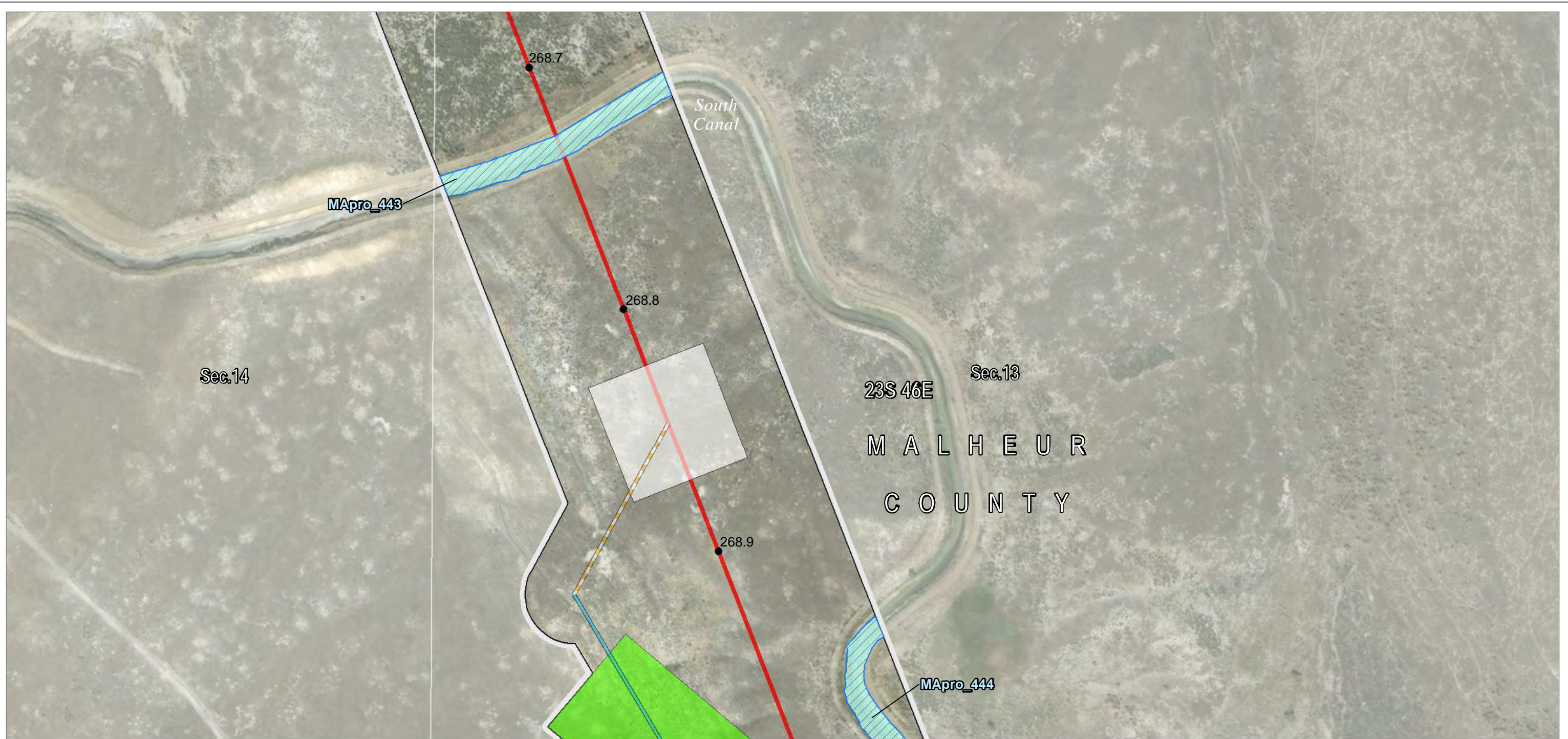


Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-341**

**Wetland and Other Waters  
Detail Maps**

Malheur County



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Primitive

**Other Waters**

- Field Survey Streams



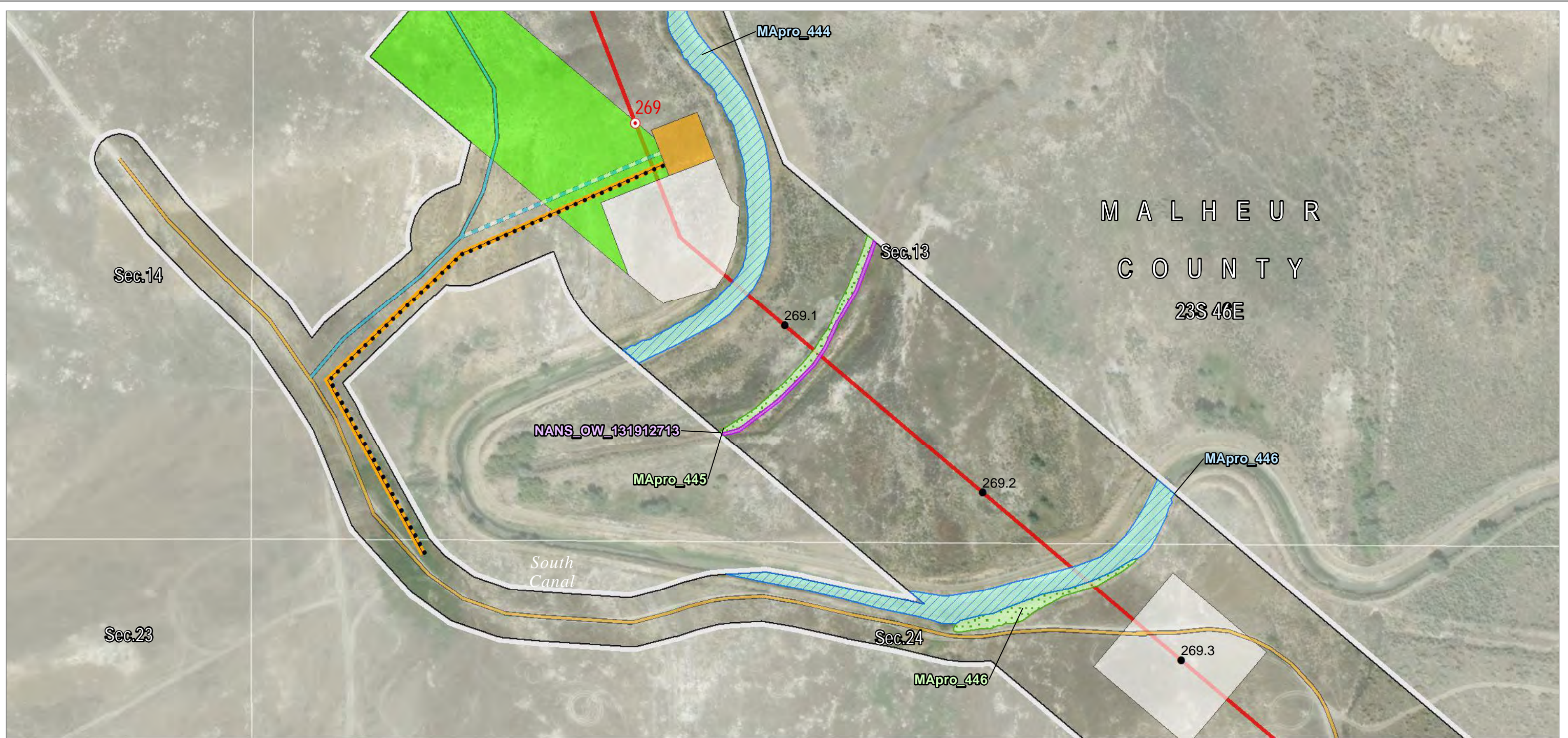
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-342**

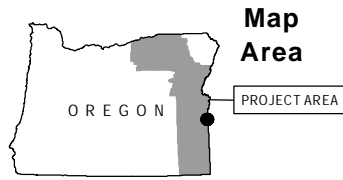
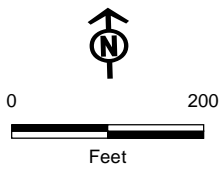
**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



MALHEUR  
COUNTY  
23S 46E



**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Communication Station
- Pulling and Tensioning
- Structure Work Area
- Distribution Line to Communication Station (IPC Service Territory Only)
- Mileposts
- Mile
- Tenth-mile

**Construction Access**

- Existing Road, Substantial Modification, 21-70% Improvements
- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Bladed

**Other Waters**

- Field Survey Streams
- NANS Streams (NHD)
- Wetland
- Field Survey Wetland



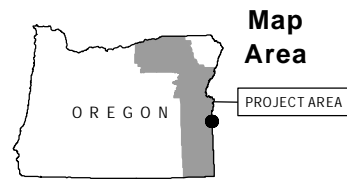
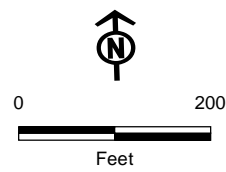
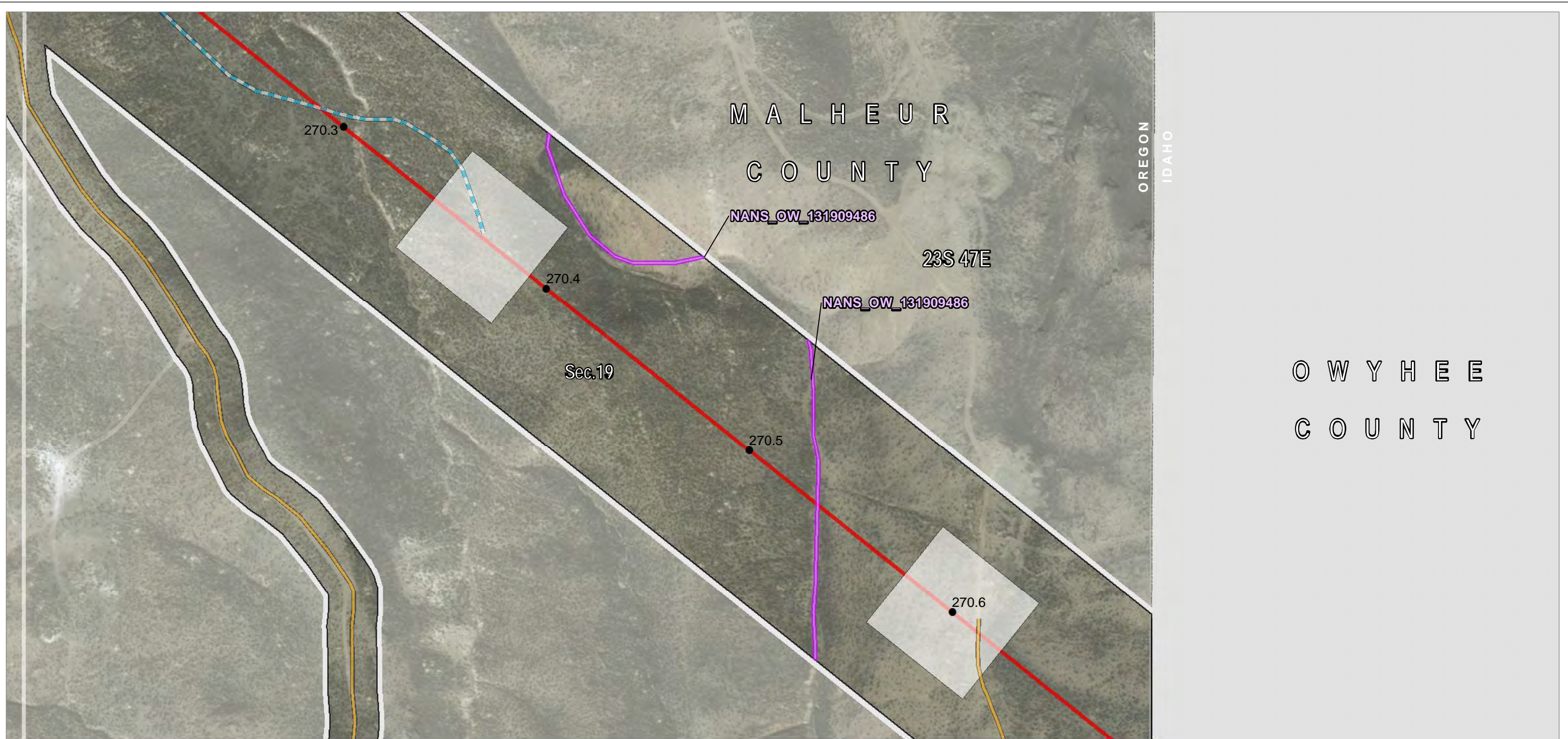
Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-343**

**Wetland and Other Waters  
Detail Maps**

Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Project Features**

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**

- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed
- County Boundary

**Other Waters**

- NANS Streams (NHD)



Boardman to Hemingway  
Transmission Line Project  
Application for Site Certificate

**Attachment J1-344**

**Wetland and Other Waters  
Detail Maps**

Malheur County

This page intentionally left blank

**ATTACHMENT J-2**  
**WETLAND CHARACTERISTICS AND IMPACTS TABLES**

---

This page intentionally left blank

**Table J-2-1A. Morrow County Wetlands**

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-2	Proposed Route	1.3	MO_EB_W411	1.448	PFO/PSS/PEMHh	Groundwater fed wetland mosaic adjacent to Bombing Range Road. Wetland continues to the east.
J1-3	Proposed Route	1.8	NANS_W_117	0.735	PEM	Not Accessed - Data Gap
J1-4	Proposed Route	2.1	NANS_W_118	1.679	PEM	Not Accessed - Data Gap
J1-5	Proposed Route	2.4	NANS_W_119	1.952	PEM	Not Accessed - Data Gap
J1-16	Proposed Route	22.1	NANS_W_12	0.2	PEM1C	Not Accessed - Data Gap
J1-21	Proposed Route	27.7	NANS_W_13	0.215	PEM1C	Not Accessed - Data Gap
J1-27	Proposed Route	35.3	NANS_W_66	0.333	PEM/FO1C	Not Accessed - Data Gap
J1-30	Proposed Route	41.1	NANS_W_105	0.098	PEM	Not Accessed - Data Gap
J1-30	Proposed Route	41.2	NANS_W_104	0.131	PEM	Not Accessed - Data Gap
J1-34	Proposed Route	43.2	NANS_W_16	0.53	PEMC	Not Accessed - Data Gap
J1-39	Proposed Route	45.7	NANS_W_15	0.156	PEMA	Not Accessed - Data Gap



**Table J-2-1B. Morrow County Other Waters**

Map Tile	Route	Mile Post	Feature ID <sup>1</sup>	Width (feet)	Stream Type	Characteristics
J1-1	Proposed Route	0.8	NANS_OW_152902001	6	Intermittent	Not Accessed - Data Gap
J1-6	West of Bombing Range Road Alternative 2	2.3	NANS_OW_167136398	6	Intermittent	Not Accessed - Data Gap
J1-7	Proposed Route	14.1	NANS_OW_152906926	6	Intermittent	Not Accessed - Data Gap
J1-7	Proposed Route	14.2	NANS_OW_152906926	6	Intermittent	Not Accessed - Data Gap
J1-7	Proposed Route	14.4	NANS_OW_152906926	6	Intermittent	Not Accessed - Data Gap
J1-9	Proposed Route	15	NANS_OW_152904546	6	Intermittent	Not Accessed - Data Gap
J1-10	Proposed Route	15	NANS_OW_145365444	6	Intermittent	Not Accessed - Data Gap
J1-11	Proposed Route	15.6	NANS_OW_152906922	6	Intermittent	Not Accessed - Data Gap
J1-13	Proposed Route	18.6	NANS_OW_152906974	6	Intermittent	Not Accessed - Data Gap
J1-13	Proposed Route	18.7	NANS_OW_152906974	6	Intermittent	Not Accessed - Data Gap
J1-14	Proposed Route	19.7	NANS_OW_152906973	6	Intermittent	Not Accessed - Data Gap

<sup>1</sup> Multiple reports of the same Feature ID indicate multiple segments of the same feature, within the site boundary. For example, a stream's sinuosity may result in multiple segments of the same stream within the site boundary. Each segment is reported separately, but with the same Feature ID.

Map Tile	Route	Mile Post	Feature ID <sup>1</sup>	Width (feet)	Stream Type	Characteristics
J1-14	Proposed Route	19.9	NANS_OW_152904365	6	Intermittent	Not Accessed - Data Gap
J1-15	Proposed Route	20.5	NANS_OW_152904366	6	Intermittent	Not Accessed - Data Gap
J1-16	Proposed Route	22.1	NANS_OW_145365206	6	Intermittent	Not Accessed - Data Gap
J1-17	Proposed Route	23.7	NANS_OW_160621050	6	Intermittent	Not Accessed - Data Gap
J1-17	Proposed Route	23.7	NANS_OW_160621202	6	Intermittent	Not Accessed - Data Gap
J1-18	Proposed Route	25.6	NANS_OW_160621034	6	Intermittent	Not Accessed - Data Gap
J1-19	Proposed Route	26.2	NANS_OW_160621220	6	Intermittent	Not Accessed - Data Gap
J1-20	Proposed Route	26.5	NANS_OW_160621021	6	Intermittent	Not Accessed - Data Gap
J1-20	Proposed Route	26.7	NANS_OW_160621028	6	Intermittent	Not Accessed - Data Gap
J1-21	Proposed Route	27.7	NANS_OW_160622634	6	Intermittent	Not Accessed - Data Gap
J1-22	Proposed Route	28.1	NANS_OW_160622166	20	Perennial	Not Accessed - Data Gap
J1-23	Proposed Route	32.3	NANS_OW_160621742	6	Intermittent	Not Accessed - Data Gap
J1-24	Proposed Route	32.9	NANS_OW_145366312	6	Intermittent	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID <sup>1</sup>	Width (feet)	Stream Type	Characteristics
J1-24	Proposed Route	33.2	NANS_OW_160621733	6	Intermittent	Not Accessed - Data Gap
J1-25	Proposed Route	33.5	NANS_OW_160621738	6	Intermittent	Not Accessed - Data Gap
J1-26	Proposed Route	34.2	MO_SW_STRM_300	30	Perennial	Butter Creek. Narrow fringe PEM within OHWM.
J1-26	Proposed Route	34.2	NANS_OW_160621942	30	Perennial	Not Accessed - Data Gap
J1-27	Proposed Route	35.3	NANS_OW_160622593	6	Intermittent	Not Accessed - Data Gap
J1-29	Proposed Route	40	NANS_OW_160621639	6	Intermittent	Not Accessed - Data Gap
J1-31	Proposed Route	41.4	NANS_OW_160621572	6	Intermittent	Not Accessed - Data Gap
J1-32	Proposed Route	41.8	NANS_OW_160622001	6	Intermittent	Not Accessed - Data Gap
J1-33	Proposed Route	42.7	NANS_OW_160621512	6	Intermittent	Not Accessed - Data Gap
J1-34	Proposed Route	43.2	NANS_OW_160622328	6	Intermittent	Not Accessed - Data Gap
J1-35	Proposed Route	45	NANS_OW_160621288	6	Intermittent	Not Accessed - Data Gap
J1-35	Proposed Route	45.2	NANS_OW_160621288	6	Intermittent	Not Accessed - Data Gap
J1-35	Proposed Route	45.3	NANS_OW_160621288	6	Intermittent	Not Accessed - Data Gap

<b>Map Tile</b>	<b>Route</b>	<b>Mile Post</b>	<b>Feature ID<sup>1</sup></b>	<b>Width (feet)</b>	<b>Stream Type</b>	<b>Characteristics</b>
J1-35	Proposed Route	45.4	NANS_OW_160621288	6	Intermittent	Not Accessed - Data Gap
J1-39	Proposed Route	45.7	NANS_OW_160621897	6	Intermittent	Not Accessed - Data Gap
J1-40	Proposed Route	46.7	NANS_OW_160621282	6	Intermittent	Not Accessed - Data Gap
J1-40	Proposed Route	47.1	NANS_OW_160620757	6	Intermittent	Not Accessed - Data Gap

**Table J-2-2A. Umatilla County Wetlands**

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-42	Proposed Route	48.3	NANS_W_14	0.321	PEMA	Not Accessed - Data Gap
J1-44	Proposed Route	50	NANS_W_17	0.001	PEMB	Not Accessed - Data Gap
J1-55	Proposed Route	58.6	NANS_W_21	0.231	PSSC	Not Accessed - Data Gap
J1-56	Proposed Route	59.7	NANS_W_81	0.028	PFOC	Not Accessed - Data Gap
J1-56	Proposed Route	59.7	NANS_W_81	0.036	PFOC	Not Accessed - Data Gap
J1-58	Proposed Route	60.3	NANS_W_20	0.168	PEMA	Not Accessed - Data Gap
J1-59	Proposed Route	61.2	NANS_W_18	0.197	PEMA	Not Accessed - Data Gap
J1-60	Proposed Route	61.7	NANS_W_19	0.201	PEMA	Not Accessed - Data Gap
J1-65	Proposed Route	64.1	NANS_W_68	0.046	PFOC	Not Accessed - Data Gap
J1-65	Proposed Route	64.1	NANS_W_68	0.067	PFOC	Not Accessed - Data Gap
J1-67	Proposed Route	64.7	NANS_W_70	0.089	PFOC	Not Accessed - Data Gap
J1-70	Proposed Route	65.9	NANS_W_22	0.048	PEMC	Not Accessed - Data Gap
J1-71	Proposed Route	68.3	NANS_W_114	0.113	PEMX	Not Accessed - Data Gap
J1-72	Proposed Route	68.7	NANS_W_113	0.07	PEM	Not Accessed - Data Gap
J1-74	Proposed Route	69.9	NANS_W_115	0.114	PEM	Not Accessed - Data Gap
J1-74	Proposed Route	69.9	NANS_W_99	0.369	PEM	Not Accessed - Data Gap
J1-74	Proposed Route	70	NANS_W_97	0.024	PEMX	Not Accessed - Data Gap
J1-74	Proposed Route	70	NANS_W_98	0.042	PEM	Not Accessed - Data Gap
J1-74	Proposed Route	70.1	NANS_W_108	0.01	PEM	Not Accessed - Data Gap
J1-74	Proposed Route	70.1	NANS_W_109	0.044	PEM	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-74	Proposed Route	70.1	NANS_W_96	0.124	PEM	Not Accessed - Data Gap
J1-75	Proposed Route	70.8	NANS_W_110	0.039	PEM	Not Accessed - Data Gap
J1-75	Proposed Route	70.8	NANS_W_111	0.053	PUBGx	Not Accessed - Data Gap
J1-75	Proposed Route	70.8	NANS_W_95	0.043	PUBGx	Not Accessed - Data Gap
J1-76	Proposed Route	71.6	NANS_W_101	0.012	PEM	Not Accessed - Data Gap
J1-76	Proposed Route	71.6	NANS_W_102	0.012	PEM	Not Accessed - Data Gap
J1-76	Proposed Route	71.6	NANS_W_103	0.012	PEM	Not Accessed - Data Gap
J1-76	Proposed Route	71.6	NANS_W_93	0.265	PEM	Not Accessed - Data Gap
J1-76	Proposed Route	72	NANS_W_90	0.01	PEM	Not Accessed - Data Gap
J1-77	Proposed Route	72.3	NANS_W_89	0.087	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73	NANS_W_87	0.217	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73	NANS_W_88	0.436	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73.1	NANS_W_112	0.041	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73.1	NANS_W_83	0.094	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73.1	NANS_W_84	0.036	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73.1	NANS_W_85	0.016	PEM	Not Accessed - Data Gap
J1-78	Proposed Route	73.1	NANS_W_86	0.019	PEM	Not Accessed - Data Gap
J1-80	Proposed Route	75.5	NANS_W_50	0.022	PFOA	Not Accessed - Data Gap
J1-80	Proposed Route	75.5	NANS_W_50	0.07	PFOA	Not Accessed - Data Gap
J1-80	Proposed Route	75.5	NANS_W_78	0.652	PFOA	Not Accessed - Data Gap
J1-83	Proposed Route	80.3	UMpro_W063	0.045	PEM	Seep fed wetland adjacent to, but not visibly connect to channel UMpro_063 in the headwaters of Rail Creek.

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-83	Proposed Route	80.6	UMpro_511	0.004	PEM	A small, likely excavated, depression that supports a wetland community.
J1-85	Proposed Route	83.4	UM_W_0031	0.412	PFO/PEM	Fringe wetland adjacent to Little Beaver Creek that is bisected by a road.
J1-87	Proposed Route	84.8	UM_G_91	0.018	PEM1 C	Small wetland terrace bound by stream channel.
J1-94	Proposed Route	86.9	UM_W_0032	0.374	PEM1 C	Wetland located on the floodplain terrace adjacent to Beaver Creek.
J1-96	Proposed Route	88	UM_W_0028	2.512	PEM	Seasonally inundated wetland meadow with a poorly defined channel disappearing in the downstream end of the wetland.
J1-96	Proposed Route	88.1	UM_W_0028	0.006	PEM	

**Table J-2-2B. Umatilla County Other Waters**

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-28	Proposed Route	37	UM_SW_STRM_008	15	Perennial	Butter Creek - perennial drainage with well-vegetated steep banks.
J1-42	Proposed Route	47.5	NANS_OW_160622394	6	Intermittent	Not Accessed- Data Gap
J1-42	Proposed Route	48.3	NANS_OW_160622394	6	Intermittent	Not Accessed- Data Gap
J1-42	Proposed Route	48.4	NANS_OW_160622394	6	Intermittent	Not Accessed- Data Gap
J1-43	Proposed Route	49.1	NANS_OW_160620770	6	Intermittent	Not Accessed- Data Gap
J1-45	Proposed Route	50	NANS_OW_160621904	10	Perennial	Not Accessed- Data Gap
J1-45	Proposed Route	50.1	NANS_OW_160621904	6	Perennial	Not Accessed- Data Gap
J1-46	Proposed Route	50.2	NANS_OW_160620750	6	Intermittent	Not Accessed- Data Gap
J1-47	Proposed Route	51.2	NANS_OW_160620735	6	Intermittent	Not Accessed- Data Gap
J1-48	Proposed Route	52.4	NANS_OW_160622368	6	Intermittent	Not Accessed- Data Gap
J1-48	Proposed Route	52.5	NANS_OW_160622368	6	Intermittent	Not Accessed- Data Gap
J1-49	Proposed Route	52.6	NANS_OW_160620715	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.2	NANS_OW_160621909	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.2	NANS_OW_160622367	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.3	NANS_OW_160621909	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.5	NANS_OW_160620752	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.6	NANS_OW_160620752	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	53.7	NANS_OW_160620752	6	Intermittent	Not Accessed- Data Gap
J1-50	Proposed Route	54.1	NANS_OW_160620752	6	Intermittent	Not Accessed- Data Gap
J1-52	Proposed Route	55	NANS_OW_160631674	6	Intermittent	Not Accessed- Data Gap
J1-53	Proposed Route	56.4	NANS_OW_160631692	6	Intermittent	Not Accessed- Data Gap
J1-54	Proposed Route	57	NANS_OW_160631595	6	Intermittent	Not Accessed- Data Gap
J1-55	Proposed Route	58.6	NANS_OW_160633303	6	Perennial	Not Accessed- Data Gap
J1-56	Proposed Route	59.7	NANS_OW_160633505	6	Perennial	Not Accessed- Data Gap
J1-56	Proposed Route	59.7	UM_SW_STRM_003	30	Perennial	Birch Creek.



Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-57	Proposed Route	59.7	UM_SW_STRM_004	40	Perennial	Birch Creek.
J1-58	Proposed Route	60.3	NANS_OW_160632933	6	Intermittent	Not Accessed- Data Gap
J1-59	Proposed Route	61	NANS_OW_160631509	6	Intermittent	Not Accessed- Data Gap
J1-59	Proposed Route	61.1	NANS_OW_160631509	6	Intermittent	Not Accessed- Data Gap
J1-59	Proposed Route	61.2	NANS_OW_160631504	6	Intermittent	Not Accessed- Data Gap
J1-60	Proposed Route	61.7	NANS_OW_160631721	6	Intermittent	Not Accessed- Data Gap
J1-61	Proposed Route	62.4	NANS_OW_145365314	6	Intermittent	Not Accessed- Data Gap
J1-61	Proposed Route	62.6	NANS_OW_160631487	6	Intermittent	Not Accessed- Data Gap
J1-62	Proposed Route	62.9	NANS_OW_160631478	6	Intermittent	Not Accessed- Data Gap
J1-63	Proposed Route	63.6	NANS_OW_160631554	6	Intermittent	Not Accessed- Data Gap
J1-64	Proposed Route	64.2	UM_SW_STRM_013	28	Perennial	East Birch Creek.
J1-64	Proposed Route	64.2	UM_SW_STRM_014	10	Perennial	Lower reach of unnamed tributary of E Birch Creek.
J1-65	Proposed Route	64.1	UM_SW_STRM_011	15	Perennial	Unnamed stream, tributary of E Birch Creek.
J1-66	Proposed Route	64.1	NANS_OW_145367254	6	Perennial	Not Accessed- Data Gap
J1-66	Proposed Route	64.3	NANS_OW_160631666	6	Intermittent	Not Accessed- Data Gap
J1-67	Proposed Route	64.7	NANS_OW_160631770	6	Perennial	Not Accessed- Data Gap
J1-68	Proposed Route	65.8	NANS_OW_160631548	6	Intermittent	Not Accessed- Data Gap
J1-69	Proposed Route	66.7	NANS_OW_160631397	6	Intermittent	Not Accessed- Data Gap
J1-70	Proposed Route	65.9	NANS_OW_145365948	6	Intermittent	Not Accessed- Data Gap
J1-71	Proposed Route	68.2	NANS_OW_160631440	6	Intermittent	Not Accessed- Data Gap
J1-72	Proposed Route	68.5	NANS_OW_160631391	6	Intermittent	Not Accessed- Data Gap
J1-73	Proposed Route	69.4	NANS_OW_160631084	6	Intermittent	Not Accessed- Data Gap
J1-79	Proposed Route	73.2	NANS_OW_160631008	6	Intermittent	Not Accessed- Data Gap
J1-79	Proposed Route	73.6	NANS_OW_160631008	6	Intermittent	Not Accessed- Data Gap
J1-80	Proposed Route	75.5	NANS_OW_160631202	30	Perennial	Not Accessed- Data Gap
J1-80	Proposed Route	75.5	NANS_OW_160631236	6	Intermittent	Not Accessed- Data Gap
J1-80	Proposed Route	75.6	NANS_OW_160631276	30	Perennial	Not Accessed- Data Gap

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-81	Proposed Route	77	NANS_OW_160630927	6	Intermittent	Not Accessed- Data Gap
J1-82	Proposed Route	78.4	UM_S_0075	10	Intermittent	Steep stream with ground water supplying hydrology.
J1-83	Proposed Route	80.3	UMpro_063	9	Intermittent	Headwaters of Little Beaver Creek.
J1-84	Proposed Route	82.1	UM_S_0078	1	Intermittent	From SW boundary, ends at road; channel width is 14 inches; bank height is 4 inches; bankfull width is 16 inches. Feature was dry at the time of investigation. There was no defined channel above (NE) of the road.
J1-85	Proposed Route	83.4	UM_S_0145	5	Perennial	Bankfull width is 1.5 meters with small island extending the banks to 6 meters.
J1-86	Proposed Route	84.2	NANS_OW_160630366	6	Intermittent	Not Accessed- Data Gap
J1-87	Proposed Route	84.8	UM_S_0143	18	Perennial	Bankfull width averages 6 meters. Bank height averages 2 meters. Areas of ponding are occurring as the water level lowers. Water flows through gravel in between isolated ponded areas.
J1-87	Proposed Route	85	NANS_OW_160630288	6	Intermittent	Not Accessed- Data Gap
J1-88	Proposed Route	84.9	NANS_OW_160630306	6	Intermittent	Not Accessed- Data Gap
J1-88	Proposed Route	85.2	NANS_OW_160630515	6	Perennial	Not Accessed- Data Gap
J1-89	Proposed Route	85.3	NANS_OW_160630009	6	Intermittent	Not Accessed- Data Gap
J1-90	Proposed Route	85.6	NANS_OW_160630041	6	Intermittent	Not Accessed- Data Gap
J1-91	Proposed Route	85.7	NANS_OW_160630046	6	Intermittent	Not Accessed- Data Gap
J1-91	Proposed Route	85.8	NANS_OW_160630046	6	Intermittent	Not Accessed- Data Gap

<b>Map Tile</b>	<b>Route</b>	<b>Mile Post</b>	<b>Feature ID</b>	<b>Width (Feet)</b>	<b>Stream Type</b>	<b>Characteristics</b>
J1-91	Proposed Route	85.9	NANS_OW_145367832	6	Perennial	Not Accessed- Data Gap
J1-92	Proposed Route	86	NANS_OW_160630048	6	Intermittent	Not Accessed- Data Gap
J1-92	Proposed Route	86	NANS_OW_160630259	6	Perennial	Not Accessed- Data Gap
J1-93	Proposed Route	86.4	NANS_OW_160630003	6	Intermittent	Not Accessed- Data Gap
J1-94	Proposed Route	87	NANS_OW_160630894	6	Perennial	Not Accessed- Data Gap
J1-95	Proposed Route	87.3	NANS_OW_160630032	6	Intermittent	Not Accessed- Data Gap

**Table J-2-3A. Union County Wetlands**

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-97	Proposed Route	89.2	NANS_W_80	1.39	PEMC	Not Accessed - Data Gap
J1-103	Proposed Route	98.1	NANS_W_54	0.09	PUBFh	Not Accessed - Data Gap
J1-108	Proposed Route	101	UN_W_0419	0.074	PEM	Sedge dominated wetland meadow adjacent to Rock Creek.
J1-108	Proposed Route	101.1	UN_W_0419	0.533	PEM	
J1-111	Proposed Route	103.6	NANS_W_51	0.162	PABFh	Not Accessed - Data Gap
J1-111	Proposed Route	103.6	NANS_W_53	0.015	PEMC	Not Accessed - Data Gap
J1-112	Proposed Route	103.9	NANS_W_52	2.545	PEMA	Not Accessed - Data Gap
J1-112	Proposed Route	104	UN_MC_W_018	0.982	PEM	Seep wetland in thin rocky soils.
J1-113	Proposed Route	104.4	UN_MC_W_019	0.58	PEM	Seep wetland in thin rocky soils.
J1-114	Proposed Route	104.8	NANS_W_55	0.369	PEMA	Not Accessed - Data Gap
J1-116	Proposed Route	106.5	NANS_W_56	0.115	PSSA	Not Accessed - Data Gap
J1-117	Proposed Route	107.3	NANS_W_48	0.192	PUBF	Not Accessed - Data Gap
J1-119	Proposed Route	109.1	NANS_W_49	0.209	PUBFh	Not Accessed - Data Gap
J1-122	Proposed Route	113.1	NANS_W_73	0.009	PEMA	Not Accessed - Data Gap
J1-122	Proposed Route	113.2	NANS_W_72	0.014	PEMA	Not Accessed - Data Gap
J1-123	Proposed Route	113.3	NANS_W_35	0.017	PSSB	Not Accessed - Data Gap
J1-124	Proposed Route	114.1	NANS_W_34	0.006	PEMCx	Not Accessed - Data Gap
J1-126	Proposed Route	115.7	NANS_W_28	0.007	PSSC	Not Accessed - Data Gap
J1-126	Proposed Route	115.7	NANS_W_28	0.019	PSSC	Not Accessed - Data Gap
J1-126	Proposed Route	115.7	NANS_W_28	0.034	PSSC	Not Accessed - Data Gap
J1-126	Proposed Route	115.8	NANS_W_28	0.044	PSSC	Not Accessed - Data Gap
J1-127	Proposed Route	116.2	UN_MC_W_302	0.013	PEM	Wetland bench along perennial reach of a Ladd Creek tributary. Limited willow component.
J1-127	Proposed Route	116.3	UN_MC_W_303	0.013	PEM	Wetland bench along perennial reach of a Ladd Creek tributary. Limited willow component.
J1-129	Proposed Route	117.2	NANS_W_107	0.012	PEMB	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-130	Proposed Route	117.9	NANS_W_33	0.197	PUBFh	Not Accessed - Data Gap
J1-131	Morgan Lake Alternative	0.8	UN_W_0258	0.07	PSS/PEM	Fringe wetland with a willow component adjacent to the south bank of the Grande Ronde
J1-131	Morgan Lake Alternative	0.8	UN_W_0259	0.573	PSSA/PEM	Fringe wetland with a willow component adjacent to the north bank of the Grande Ronde River.
J1-134	Morgan Lake Alternative	3.2	UN_W_0264	0.28	PEM	Seasonally flooded Wetland adjacent to channel in drainage bottom.
J1-134	Morgan Lake Alternative	3.9	UN_W_0264	0.039	PEM	
J1-136	Morgan Lake Alternative	4.5	UN_ML_W_015	0.434	PEM	Herbaceous wetland on floodplain adjacent to an unnamed tributary of Sheep Creek.
J1-136	Morgan Lake Alternative	4.5	UN_ML_W_016	0.035	PEM	Mid-slope wetland that appears to be fed by a spring. Signs of past slope erosion but appears to be stable now.
J1-136	Morgan Lake Alternative	4.6	UN_ML_W_017	0.23	PEM	Spring fed herbaceous wetland.
J1-138	Morgan Lake Alternative	6.3	UN_ML_W_004	0.379	PEMFh	Fringe wetland adjacent to a ponded depression.
J1-141	Morgan Lake Alternative	11.1	NANS_W_24	0.003	PEMC	Not Accessed - Data Gap
J1-145	Proposed Route	118.1	NANS_W_32	0.013	PUBFh	Not Accessed - Data Gap
J1-145	Proposed Route	118.1	NANS_W_71	0.164	PEMB	Not Accessed - Data Gap
J1-147	Proposed Route	119.4	NANS_W_27	0.19	PSSA	Not Accessed - Data Gap
J1-150	Proposed Route	121.9	UN_LM_POND_300	0.17	PUBFh	Constructed stock pond with a spike rush fringe.
J1-152	Proposed Route	124.2	UN_LM_W_209	0.002	PEM	Wetland located in the drainage ditch adjacent to Jimmy Creek Road
J1-155	Proposed Route	126.1	NANS_W_26	0.063	PUSCh	Not Accessed - Data Gap

Table J-2-3B. Union County Other Waters

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-97	Proposed Route	89.2	UN_S_0083	1	Intermittent	A small area less than 1 foot wide lacking vegetation in an otherwise highly vegetated area. Part of UN_S_0024.
J1-98	Proposed Route	89.8	NANS_OW_160026951	6	Intermittent	Not Accessed - Data Gap
J1-99	Proposed Route	90.1	NANS_OW_160026869	6	Intermittent	Not Accessed - Data Gap
J1-100	Proposed Route	93.9	NANS_OW_109319883	6	Intermittent	Not Accessed - Data Gap
J1-101	Proposed Route	96.1	NANS_OW_160026464	6	Intermittent	Not Accessed - Data Gap
J1-102	Proposed Route	97	UN_MC_STRM_001	3	Intermittent	Associated with SDAM, under power lines - trees have been cleared, mix of FAC plants - some FACW and FACU as well, tributary of Spring Creek.
J1-103	Proposed Route	98.2	NANS_OW_109322453	6	Intermittent	Not Accessed - Data Gap
J1-104	Proposed Route	98.4	UN_MC_STRM_005	4	Intermittent	Mix of FAC plants - some FACW and FACU as well, confluence with UN_MC_006 in existing road ROW, trib. of Spring Creek.
J1-104	Proposed Route	98.4	UN_MC_STRM_006	3	Intermittent	Mix of FAC plants - some FACW and FACU as well, tributary of Spring Creek, confluence with UN_MC_STRM_005 in existing road ROW.
J1-104	Proposed Route	98.5	NANS_OW_109322593	6	Intermittent	Not Accessed - Data Gap
J1-105	Proposed Route	99.1	NANS_OW_160027389	6	Intermittent	Not Accessed - Data Gap
J1-106	Morgan Lake Alternative	1.5	NANS_OW_109324161	6	Perennial	Not Accessed - Data Gap
J1-106	Proposed Route	99.5	NANS_OW_109323443	80	Perennial	Not Accessed - Data Gap
J1-106	Proposed Route	99.6	NANS_OW_160027377	6	Perennial	Not Accessed - Data Gap
J1-106	Proposed Route	99.7	NANS_OW_109324161	6	Perennial	Not Accessed - Data Gap
J1-107	Proposed Route	100	NANS_OW_160026237	6	Intermittent	Not Accessed - Data Gap
J1-107	Proposed Route	100.3	NANS_OW_160028467	6	Perennial	Not Accessed - Data Gap
J1-108	Proposed Route	101.1	UN_S_0030	30	Perennial	Section of Rock Creek with cobble and rock bottom.
J1-109	Proposed Route	102	NANS_OW_109324277	6	Intermittent	Not Accessed - Data Gap
J1-109	Proposed Route	102.2	NANS_OW_109324275	6	Intermittent	Not Accessed - Data Gap
J1-110	Proposed Route	102.8	NANS_OW_160030712	6	Intermittent	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-114	Proposed Route	104.8	NANS_OW_109325311	6	Intermittent	Not Accessed - Data Gap
J1-115	Proposed Route	106.1	NANS_OW_109325413	6	Intermittent	Not Accessed - Data Gap
J1-116	Proposed Route	106.5	NANS_OW_109325773	6	Perennial	Not Accessed - Data Gap
J1-118	Proposed Route	108.5	NANS_OW_109326569	6	Intermittent	Not Accessed - Data Gap
J1-119	Proposed Route	109.1	NANS_OW_109326789	6	Intermittent	Not Accessed - Data Gap
J1-120	Proposed Route	110.9	NANS_OW_109327365	6	Intermittent	Not Accessed - Data Gap
J1-120	Proposed Route	110.9	UN_MC_STRM_301	4	Intermittent	Dogwood and willow riparian corridor covering narrow channel with cobble and gravel bottom.
J1-121	Proposed Route	111.9	NANS_OW_109327907	6	Intermittent	Not Accessed - Data Gap
J1-124	Proposed Route	114.1	NANS_OW_109329167	6	Perennial	Not Accessed - Data Gap
J1-125	Proposed Route	115.4	NANS_OW_109329911	6	Intermittent	Not Accessed - Data Gap
J1-125	Proposed Route	115.4	UN_MC_STRM_011	2	Intermittent	Hawthorn covered channel with sand, gravel and cobble bottom.
J1-125	Proposed Route	115.5	UN_MC_STRM_011	2	Intermittent	
J1-126	Proposed Route	115.8	NANS_OW_109330151	6	Perennial	Not Accessed - Data Gap
J1-127	Proposed Route	116.2	UN_MC_STRM_300	10	Perennial	Incised channel with signs of mass wasting and sedimentation. Channel bottom mostly fines and sands.
J1-127	Proposed Route	116.3	UN_MC_STRM_300	10	Perennial	
J1-128	Proposed Route	116.8	NANS_OW_109330807	6	Intermittent	Not Accessed - Data Gap
J1-131	Morgan Lake Alternative	0.8	UN_S_0037	80	Perennial	Grande Ronde River.
J1-133	Morgan Lake Alternative	1.8	NANS_OW_109325279	6	Perennial	Not Accessed - Data Gap
J1-133	Morgan Lake Alternative	1.9	NANS_OW_109324431	6	Perennial	Not Accessed - Data Gap
J1-134	Morgan Lake Alternative	3	UN_S_0101	6	Perennial	Channel approximately 6 feet wide and 1 foot deep. Channel Bottom is cobbles and rock with sparsely vegetated with spike rush in areas within channel where water is not flowing.
J1-134	Morgan Lake Alternative	3.2	UN_S_0013	33	Perennial	Unnamed Creek; macroinvertebrates and hydrophytic vegetation present.
J1-135	Morgan Lake Alternative	3.9	UN_S_0085	6	Perennial	Sheep Creek; macroinvertebrates, fish, and hydrophytic vegetation present.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-136	Morgan Lake Alternative	4.4	UN_ML_STRM_016	3	Perennial	Narrow spring fed, incised channel.
J1-137	Morgan Lake Alternative	5.7	NANS_OW_109325763	6	Perennial	Not Accessed - Data Gap
J1-139	Morgan Lake Alternative	6.8	NANS_OW_160032329	6	Intermittent	Not Accessed - Data Gap
J1-140	Morgan Lake Alternative	10.9	NANS_OW_109327743	6	Perennial	Not Accessed - Data Gap
J1-140	Morgan Lake Alternative	11	NANS_OW_109327743	6	Perennial	Not Accessed - Data Gap
J1-140	Morgan Lake Alternative	11.1	NANS_OW_109327743	6	Perennial	Not Accessed - Data Gap
J1-142	Morgan Lake Alternative	12.2	NANS_OW_160030655	6	Intermittent	Not Accessed - Data Gap
J1-142	Morgan Lake Alternative	12.4	NANS_OW_160030657	6	Intermittent	Not Accessed - Data Gap
J1-143	Morgan Lake Alternative	12.8	UN_ML_STRM_300	6	Perennial	Channel with wetland fringe flows through a double culvert under gravel road. Likely floods adjacent pasture in spring.
J1-144	Morgan Lake Alternative	15.1	NANS_OW_160030623	6	Intermittent	Not Accessed - Data Gap
J1-144	Morgan Lake Alternative	15.1	NANS_OW_160031962	6	Perennial	Not Accessed - Data Gap
J1-144	Morgan Lake Alternative	15.1	NANS_OW_160032397	6	Perennial	Not Accessed - Data Gap
J1-144	Morgan Lake Alternative	15.1	NANS_OW_160032398	6	Perennial	Not Accessed - Data Gap
J1-146	Proposed Route	118.4	NANS_OW_112935147	6	Intermittent	Not Accessed - Data Gap
J1-147	Proposed Route	119.4	NANS_OW_112935207	6	Intermittent	Not Accessed - Data Gap
J1-148	Proposed Route	119.8	NANS_OW_112935185	6	Intermittent	Not Accessed - Data Gap
J1-148	Proposed Route	119.9	NANS_OW_112935185	6	Intermittent	Not Accessed - Data Gap
J1-149	Proposed Route	120.1	NANS_OW_112935203	6	Intermittent	Not Accessed - Data Gap
J1-150	Proposed Route	122	UN_LM_STRM_210	3	Intermittent	Incised but stable channel with no riparian corridor, having a mostly fines and sand covered bottom.
J1-150	Proposed Route	122.1	NANS_OW_112935373	6	Intermittent	Not Accessed - Data Gap
J1-150	Proposed Route	122.1	NANS_OW_112935519	6	Intermittent	Not Accessed - Data Gap
J1-151	Proposed Route	123.1	NANS_OW_112935525	6	Intermittent	Not Accessed - Data Gap
J1-153	Proposed Route	124.7	NANS_OW_112935729	6	Perennial	Not Accessed - Data Gap
J1-154	Proposed Route	124.9	NANS_OW_112935861	6	Perennial	Not Accessed - Data Gap
J1-155	Proposed Route	125.8	NANS_OW_112936249	6	Intermittent	Not Accessed - Data Gap
J1-156	Proposed Route	126.1	NANS_OW_112936335	6	Perennial	Not Accessed - Data Gap



<b>Map Tile</b>	<b>Route</b>	<b>Mile Post</b>	<b>Feature ID</b>	<b>Width (Feet)</b>	<b>Stream Type</b>	<b>Characteristics</b>
J1-156	Proposed Route	126.4	NANS_OW_112936337	6	Intermittent	Not Accessed - Data Gap
J1-156	Proposed Route	126.4	NANS_OW_112936455	6	Perennial	Not Accessed - Data Gap
J1-157	Proposed Route	126.4	NANS_OW_160559782	6	Intermittent	Not Accessed - Data Gap

**Table J-2-4A. Baker County Wetlands**

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-162	Proposed Route	128.2	NANS_W_25	0.108	PEMA	Not Accessed - Data Gap
J1-167	Proposed Route	142.5	NANS_W_36	25.203	PSSA	Not Accessed - Data Gap
J1-170	Proposed Route	145.7	NANS_W_37	0.307	PUSAh	Not Accessed - Data Gap
J1-172	Proposed Route	146.6	BA_FL_W013	0.46	PEM	Wetland located in a no longer used irrigation canal.
J1-173	Proposed Route	149.3	BA_FL_W_011	0.01	PEMB	Seep fed wetland adjacent to gravel road. Roadbed acts like a channel draining the wetland.
J1-178	Proposed Route	150.9	BA_FL_W_012	0.081	PEMB	Wetland fed by adjacent leaking water tank.
J1-183	Proposed Route	158	NANS_W_40	0.12	PUBFh	Not Accessed - Data Gap
J1-185	Proposed Route	159.7	NANS_W_75	0.119	PEMC	Not Accessed - Data Gap
J1-185	Proposed Route	159.7	NANS_W_75	0.21	PEMC	Not Accessed - Data Gap
J1-185	Proposed Route	159.8	NANS_W_75	0.16	PEMC	Not Accessed - Data Gap
J1-185	Proposed Route	159.9	NANS_W_75	0.104	PEMC	Not Accessed - Data Gap
J1-186	Proposed Route	159.7	NANS_W_76	0.045	PEMC	Not Accessed - Data Gap
J1-187	Proposed Route	161.4	BA_W_A11	0.02	PUSCh	Stock pond without a wetland fringe.
J1-187	Proposed Route	161.5	NANS_W_41	0.06	PUSCh	Not Accessed - Data Gap
J1-188	Proposed Route	163	BApro_133	0.126	PEM	Herbaceous wetland in the drainage way of an unnamed tributary to Alder Creek. No
J1-188	Proposed Route	163	NANS_W_106	0.036	PEMC	Not Accessed - Data Gap
J1-189	Proposed Route	163.5	NANS_W_38	0.379	PEMA	Not Accessed - Data Gap
J1-189	Proposed Route	163.5	NANS_W_39	0.282	PUBFh	Not Accessed - Data Gap
J1-190	Proposed Route	164.3	BA_WT_W_302	0.005	PEM	Bulrush and spike rush dominated wetland fringe around an excavated stock pond.
J1-191	Proposed Route	164.9	BA_FL_POND_301	0.041	PABFh	Excavated stock pond with duckweed and a wetland fringe.

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-192	Proposed Route	165.6	BA_BR_W409	0.142	PEM	Low Creek draw with wetland occupying the drainage way and no apparent channel.
J1-193	Proposed Route	166	BA_BR_425	0.042	PEM	Wetland adjacent to Alder Creek.
J1-193	Proposed Route	166	NANS_W_42	0.013	PFOA	Not Accessed - Data Gap
J1-193	Proposed Route	166	NANS_W_42	0.024	PFOA	Not Accessed - Data Gap
J1-198	Proposed Route	171.3	NANS_W_46	0.288	PFOA	Not Accessed - Data Gap
J1-201	Proposed Route	173.5	BA_WT_W_009	0.08	PEM	Spring fed, slope wetland.
J1-202	Proposed Route	173.6	BA_BR_W446	0.023	PEM	Herbaceous wetland at the toe of the slope.
J1-205	Proposed Route	173.9	BA_BR_W451	0.001	PEMG	Small, seep-fed slope wetland.
J1-205	Proposed Route	174	BA_WT_POND_001	0.043	PUBCh	Constructed stock pond that was dry at the time of survey will annual sunflower growing throughout.
J1-205	Proposed Route	174	BA_WT_W_010	0.002	PEM	Small seep located in the middle of a two-track road.
J1-208	Proposed Route	173.8	BA_WT_W_202	0.031	PEM	Small slope wetland.
J1-208	Proposed Route	173.9	BA_WT_W_204	0.139	PEMB	Narrow wetland with signs of recent cattle use, located in the headwaters of True Blue Gulch.
J1-209	Proposed Route	174.1	BA_WT_W_205	0.044	PEM	Small, spring-fed wetland that drains into feature BA_WT_STRM_212.
J1-209	Proposed Route	174.2	BA_WT_W_206	0.041	PEM	Wetland meadow disturbed by cattle.
J1-211	Proposed Route	175.9	NANS_W_44	0.18	PEMC	Not Accessed - Data Gap
J1-211	Proposed Route	175.9	NANS_W_45	0.142	PEMCh	Not Accessed - Data Gap
J1-212	Proposed Route	176.3	NANS_W_79	0.188	PFOA	Not Accessed - Data Gap
J1-216	Proposed Route	176.8	NANS_W_77	2.335	PFOB	Not Accessed - Data Gap
J1-222	Proposed Route	179.6	BA_WT_W_305	0.011	PEM	Seep-fed slope wetland.
J1-222	Proposed Route	179.6	BA_WT_W_306	0.01	PEM	Seep-fed slope wetland that continues to the south out of the survey area.
J1-227	Proposed Route	185.2	BA_WT_W_207	0.479	PEMC	Wetland meadow in the Burnt River floodplain.

<b>Map Tile</b>	<b>Route</b>	<b>Mile Post</b>	<b>Feature ID</b>	<b>Size (Acres)</b>	<b>Cowardin Class</b>	<b>Characteristics</b>
J1-230	Proposed Route	187.7	BA_WT_W_013	0.009	PEMB	Herbaceous, seep-fed, slope wetland.
J1-232	Proposed Route	188.3	NANS_W_58	0.21	PFOA	Not Accessed - Data Gap
J1-233	Proposed Route	189	NANS_W_57	0.09	PSSA	Not Accessed - Data Gap
J1-233	Proposed Route	189	NANS_W_59	0.208	PSSB	Not Accessed - Data Gap
J1-237	Proposed Route	192.8	NANS_W_01	0.004	PEMCx	Not Accessed - Data Gap

**Table J-2-4B. Baker County Other Waters**

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-162	Proposed Route	128.2	NANS_OW_160565613	50	Perennial	Not Accessed - Data Gap
J1-163	Proposed Route	129	NANS_OW_112937485	6	Intermittent	Not Accessed - Data Gap
J1-164	Proposed Route	133.7	NANS_OW_112940137	6	Intermittent	Not Accessed - Data Gap
J1-165	Proposed Route	133.8	NANS_OW_112940399	6	Intermittent	Not Accessed - Data Gap
J1-165	Proposed Route	134	NANS_OW_112940399	6	Intermittent	Not Accessed - Data Gap
J1-166	Proposed Route	140.1	NANS_OW_112944499	6	Intermittent	Not Accessed - Data Gap
J1-168	Proposed Route	143.2	NANS_OW_112948057	6	Intermittent	Not Accessed - Data Gap
J1-169	Proposed Route	145.5	NANS_OW_112947391	6	Intermittent	Not Accessed - Data Gap
J1-169	Proposed Route	145.6	NANS_OW_112947391	6	Intermittent	Not Accessed - Data Gap
J1-170	Proposed Route	145.7	NANS_OW_112947399	6	Intermittent	Not Accessed - Data Gap
J1-170	Proposed Route	145.7	NANS_OW_112947411	6	Intermittent	Not Accessed - Data Gap
J1-170	Proposed Route	145.7	NANS_OW_112947475	6	Intermittent	Not Accessed - Data Gap
J1-170	Proposed Route	145.9	NANS_OW_112947751	6	Intermittent	Not Accessed - Data Gap
J1-170	Proposed Route	146.2	NANS_OW_112947751	6	Intermittent	Not Accessed - Data Gap
J1-171	Proposed Route	146.2	NANS_OW_112947525	6	Intermittent	Not Accessed - Data Gap
J1-172	Proposed Route	146.6	NANS_OW_112947947	6	Intermittent	Not Accessed - Data Gap
J1-174	Proposed Route	148.8	NANS_OW_112948895	6	Intermittent	Not Accessed - Data Gap
J1-174	Proposed Route	149.1	BA_FL_STRM_023	4	Perennial	Spring fed channel. Trampled by cattle. Sedimentation in channel; fines and sand substrate.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-175	Proposed Route	150.2	BA_FL_STRM_024	10	Intermittent	Excavated irrigation canal. Stable banks.
J1-176	Proposed Route	149.8	NANS_OW_112949185	6	Intermittent	Not Accessed - Data Gap
J1-177	Proposed Route	150.1	NANS_OW_112949493	6	Intermittent	Not Accessed - Data Gap
J1-178	Proposed Route	150.9	BA_FL_008	1	Intermittent	Created for stock watering; stable banks; fine substrate.
J1-179	Proposed Route	151.2	NANS_OW_112950093	6	Intermittent	Not Accessed - Data Gap
J1-180	Proposed Route	153.2	NANS_OW_112951429	6	Intermittent	Not Accessed - Data Gap
J1-181	Proposed Route	154.3	NANS_OW_112951689	6	Intermittent	Not Accessed - Data Gap
J1-182	Proposed Route	155.2	NANS_OW_112952157	6	Perennial	Not Accessed - Data Gap
J1-184	Proposed Route	159.1	NANS_OW_112857470	6	Intermittent	Not Accessed - Data Gap
J1-185	Proposed Route	159.7	NANS_OW_112857578	6	Intermittent	Not Accessed - Data Gap
J1-186	Proposed Route	159.5	NANS_OW_112857576	6	Intermittent	Not Accessed - Data Gap
J1-186	Proposed Route	159.7	NANS_OW_112857576	6	Intermittent	Not Accessed - Data Gap
J1-190	Proposed Route	164.3	NANS_OW_112858186	6	Intermittent	Not Accessed - Data Gap
J1-192	Proposed Route	165.6	BA_BR_410	2	Perennial	Created for stock watering and irrigation; mass wasting of bank; cobble substrate.
J1-193	Proposed Route	166	NANS_OW_112858976	6	Intermittent	Not Accessed - Data Gap
J1-193	Proposed Route	166.1	NANS_OW_112858688	6	Perennial	Not Accessed - Data Gap
J1-193	Proposed Route	166.1	NANS_OW_112858976	6	Intermittent	Not Accessed - Data Gap
J1-193	Proposed Route	166.1	BA_BR_420	4	Intermittent	Stable banks; sand, fines and gravel substrate.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-194	Proposed Route	168.7	NANS_OW_112859680	6	Intermittent	Not Accessed - Data Gap
J1-194	Proposed Route	168.7	NANS_OW_112859752	6	Intermittent	Not Accessed - Data Gap
J1-195	Proposed Route	169.1	NANS_OW_112859912	6	Intermittent	Not Accessed - Data Gap
J1-196	Proposed Route	170	NANS_OW_112860640	6	Intermittent	Not Accessed - Data Gap
J1-197	Proposed Route	170.4	NANS_OW_112860498	6	Perennial	Not Accessed - Data Gap
J1-197	Proposed Route	170.4	NANS_OW_112860836	6	Perennial	Not Accessed - Data Gap
J1-197	Proposed Route	170.4	BA_WT_STRM_225	4	Perennial	Spring fed. Stable banks; fine substrate.
J1-198	Proposed Route	171.3	NANS_OW_112860900	30	Perennial	Not Accessed - Data Gap
J1-199	Proposed Route	171.4	NANS_OW_112861708	6	Intermittent	Not Accessed - Data Gap
J1-200	Proposed Route	172.9	NANS_OW_112862662	6	Intermittent	Not Accessed - Data Gap
J1-201	Proposed Route	173.4	NANS_OW_112862680	6	Intermittent	Not Accessed - Data Gap
J1-203	Proposed Route	173.9	BA_WT_STRM_020	5	Intermittent	Dry stream. Stable banks; cobble, gravel and sand substrate.
J1-204	Proposed Route	174.1	BA_WT_STRM_018	2	Perennial	Flowing stream. Stable banks; cobble, gravel and sand substrate.
J1-204	Proposed Route	174.1	BA_WT_STRM_019	1	Intermittent	Stable banks; cobble, gravel and fines substrate.
J1-205	Proposed Route	174	BA_WT_STRM_017	5	Perennial	Stable banks; fines, sand and gravel substrate.
J1-207	Proposed Route	173.9	BA_WT_STRM_213	3	Intermittent	Channel runs along road; banks are very steep. Stable banks; gravel, cobble substrate.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-207	Proposed Route	174	BA_WT_STRM_213	3	Intermittent	Channel runs along road; banks are very steep. Stable banks; gravel, cobble substrate.
J1-208	Proposed Route	173.8	BA_WT_STRM_211	2	Intermittent	Channel goes through a culvert at road. Stable banks; fines, gravel, cobble substrate.
J1-208	Proposed Route	173.9	BA_WT_STRM_214	2	Intermittent	Continuation of mapped STRM_211. Most of the channel is dry but water surfaces near the road. Stable banks; fines, cobble substrate.
J1-209	Proposed Route	174.1	BA_WT_STRM_212	2	Intermittent	Channel connects a spring to a wetland. Heavily grazed and impacted by cattle. Stable banks; fine substrate.
J1-210	Proposed Route	175	NANS_OW_112863932	6	Perennial	Not Accessed - Data Gap
J1-211	Proposed Route	175.9	NANS_OW_112864368	6	Intermittent	Not Accessed - Data Gap
J1-212	Proposed Route	176.4	NANS_OW_112865242	6	Perennial	Not Accessed - Data Gap
J1-213	Proposed Route	176.6	BA_WT_STRM_215	2.5	Perennial	Flowing stream. Stable but incised banks; fines, cobble substrate.
J1-215	Proposed Route	177.3	BA_WT_STRM_216	2	Intermittent	Tributary to BA_WT_STRM 215. Stable banks.
J1-217	Proposed Route	177.1	NANS_OW_112865346	6	Intermittent	Not Accessed - Data Gap
J1-218	Proposed Route	178.2	NANS_OW_112865992	6	Intermittent	Not Accessed - Data Gap
J1-218	Proposed Route	178.2	NANS_OW_112866000	6	Perennial	Not Accessed - Data Gap



Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-218	Proposed Route	178.2	NANS_OW_112866536	6	Intermittent	Not Accessed - Data Gap
J1-219	Proposed Route	178.7	NANS_OW_112866106	6	Perennial	Not Accessed - Data Gap
J1-219	Proposed Route	178.7	NANS_OW_112866870	6	Perennial	Not Accessed - Data Gap
J1-219	Proposed Route	178.8	NANS_OW_112866870	6	Perennial	Not Accessed - Data Gap
J1-220	Proposed Route	178.8	BA_WT_STRM_218	6	Perennial	Stable banks; fines, sand and gravel substrate.
J1-221	Proposed Route	179.3	NANS_OW_112867142	6	Intermittent	Not Accessed - Data Gap
J1-221	Proposed Route	179.3	NANS_OW_112867256	6	Intermittent	Not Accessed - Data Gap
J1-221	Proposed Route	179.5	NANS_OW_112867142	6	Intermittent	Not Accessed - Data Gap
J1-223	Proposed Route	180.4	NANS_OW_112867598	6	Intermittent	Not Accessed - Data Gap
J1-223	Proposed Route	180.6	NANS_OW_112867596	6	Intermittent	Not Accessed - Data Gap
J1-224	Proposed Route	180.9	NANS_OW_112867848	6	Intermittent	Not Accessed - Data Gap
J1-225	Proposed Route	181.5	NANS_OW_112868172	6	Intermittent	Not Accessed - Data Gap
J1-226	Proposed Route	182	NANS_OW_112868238	6	Intermittent	Not Accessed - Data Gap
J1-228	Proposed Route	185.2	BA_WT_STRM_221	10	Perennial	Stable banks; fines, gravel and cobble substrate.
J1-229	Proposed Route	185.4	NANS_OW_163376444	6	Perennial	Not Accessed - Data Gap
J1-229	Proposed Route	185.5	NANS_OW_112869170	6	Intermittent	Not Accessed - Data Gap
J1-231	Proposed Route	188	NANS_OW_112869534	6	Intermittent	Not Accessed - Data Gap
J1-232	Proposed Route	188.4	BA_WT_STRM_027	5	Perennial	Flowing stream. Stable banks; boulder/bedrock, gravel, sand substrate.
J1-232	Proposed Route	188.3	NANS_OW_112869576	6	Perennial	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-234	Proposed Route	190.7	BA_WT_STRM_028	5	Perennial	Stable but incised banks, and a headcut; sand, gravel, cobble substrate.
J1-235	Proposed Route	191.3	NANS_OW_112869704	6	Perennial	Not Accessed - Data Gap
J1-235	Proposed Route	191.2	BA_WT_STRM_029	4	Intermittent	Stable bank, cobble and gravel substrate.
J1-236	Proposed Route	191.8	BA_TM_204	3.5	Intermittent	Incised banks with mass wasting and sedimentation in channel; cobble, gravel, fines substrate.
J1-237	Proposed Route	192.8	BA_TM_203	4	Perennial	Caused by Irrigation; artificially realigned; fine substrate.
J1-237	Proposed Route	192.8	BA_TM_202	5.5	Perennial	Incised banks with mass wasting and sedimentation in channel; fines, gravel, sand substrate.
J1-238	Proposed Route	194.9	BA_TM_214	7	Perennial	Incised banks with mass wasting and sedimentation in channel; fines, gravel, sand substrate.
J1-239	Proposed Route	195.4	BA_TM_216	10	Perennial	Incised banks with mass wasting and sedimentation in channel; fines, gravel, sand substrate.
J1-239	Proposed Route	195.4	NANS_OW_127033681	6	Perennial	Not Accessed - Data Gap
J1-239	Proposed Route	195.5	NANS_OW_127033681	6	Perennial	Not Accessed - Data Gap
J1-240	Proposed Route	195.9	BA_TM_218	7	Intermittent	Incised banks with mass wasting and sedimentation in channel; fines, gravel substrate.

**Table J-2-5A. Malheur County Wetlands**

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-246	Proposed Route	199.2	NANS_W_02	0.147	PFOA	Not Accessed - Data Gap
J1-257	Proposed Route	216.4	NANS_W_11	1.844	PEMA	Not Accessed - Data Gap
J1-258	Proposed Route	217.2	MA_TM_462	0.623	PEMB	Wetland meadow located downslope from center pivot irrigation. Wetland grazed and flooded with irrigation water.
J1-259	Proposed Route	217.5	MA_TM_460	0.058	PEMA	Depressional wetland fed by irrigation water.
J1-259	Proposed Route	217.9	NANS_W_116	0.146	PFOA	Not Accessed - Data Gap
J1-265	Proposed Route	226.2	MA_W_0049	0.024	PEM	Seep wetland disturbed by livestock located at Coyote Springs
J1-265	Proposed Route	226.3	MA_W_0049	0.154	PEM	
J1-281	Proposed Route	231.6	NANS_W_82	0.078	PUBC	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-282	Proposed Route	232	Malpro_573	1.046	PSS	Herbaceous dominated, alkaline wetland, on and old Canyon River floodplain terrace.
J1-288	Proposed Route	240	NANS_W_09	0.43	PEMA	Not Accessed - Data Gap
J1-288	Proposed Route	240.1	NANS_W_10	2.713	PEMA	Not Accessed - Data Gap
J1-309	Proposed Route	248.6	MApro_401	0.013	PEM	Wetland fed from a seep in the adjacent irrigation canal.
J1-309	Proposed Route	248.6	MApro_401	0.014	PEM	
J1-309	Proposed Route	248.6	MApro_401	0.281	PUBGx/PEM	
J1-311	Proposed Route	251.5	MA_W_0022	0.127	PEMC	
J1-316	Proposed Route	255.5	NANS_W_05	0.797	PEMC	Not Accessed - Data Gap
J1-316	Proposed Route	255.5	NANS_W_62	0.088	PEMC	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-317	Proposed Route	255.6	NANS_W_08	0.31	PSSC	Not Accessed - Data Gap
J1-317	Proposed Route	255.8	NANS_W_60	0.136	PEMC	Not Accessed - Data Gap
J1-317	Proposed Route	255.8	NANS_W_61	0.038	PEMC	Not Accessed - Data Gap
J1-317	Proposed Route	255.9	NANS_W_03	0.032	PEMB	Not Accessed - Data Gap
J1-318	Proposed Route	255.9	NANS_W_07	0.927	PSSC	Not Accessed - Data Gap
J1-318	Proposed Route	256.1	NANS_W_04	0.205	PEMC	Not Accessed - Data Gap
J1-319	Proposed Route	256.3	NANS_W_06	0.474	PSSB	Not Accessed - Data Gap
J1-335	Proposed Route	267.1	MA_W_0062	0.007	PSS	Wetland fringe adjacent to Succor Creek.
J1-337	Proposed Route	268	NANS_W_91	0.194	PFOA	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Size (Acres)	Cowardin Class	Characteristics
J1-337	Proposed Route	268	NANS_W_92	0.005	PEMKCx	Not Accessed - Data Gap
J1-337	Proposed Route	268	NANS_W_92	0.049	PEMKCx	Not Accessed - Data Gap
J1-337	Proposed Route	268.1	NANS_W_92	0.114	PEMKCx	Not Accessed - Data Gap
J1-339	Proposed Route	268.1	MA_G_277	0.123	PEMC	Herbaceous dominated alkaline wetland fed by adjacent irrigation canal.
J1-341	Proposed Route	268.5	2013_NewLocation 1_W	2.959	PEMA	Herbaceous dominated alkaline wetland that is possibly fed from the irrigation canal to the west.
J1-343	Proposed Route	269.1	MApro_445	0.169	PEMCx	Herbaceous dominated wetland that is possibly fed from the irrigation canal to the west.
J1-343	Proposed Route	269.3	MApro_446	0.184	PEM	Spike rush wetland fringe adjacent to canal.

**Table J-2-5B. Malheur County Other Waters**

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-242	Proposed Route	197.1	NANS_OW_127033740	6	Intermittent	Not Accessed - Data Gap
J1-243	Proposed Route	197.5	NANS_OW_160608459	6	Intermittent	Not Accessed - Data Gap
J1-243	Proposed Route	198.2	NANS_OW_160608482	6	Intermittent	Not Accessed - Data Gap
J1-243	Proposed Route (138-kV Rebuild)	0	NANS_OW_160608485	6	Intermittent	Not Accessed - Data Gap
J1-243	Proposed Route (138-kV Rebuild)	0.2	NANS_OW_160608484	6	Intermittent	Not Accessed - Data Gap
J1-246	Proposed Route	199.2	NANS_OW_127033867	6	Perennial	Not Accessed - Data Gap
J1-247	Proposed Route	199.9	NANS_OW_127033900	6	Intermittent	Not Accessed - Data Gap
J1-248	Proposed Route	200.3	NANS_OW_127033915	6	Intermittent	Not Accessed - Data Gap
J1-248	Proposed Route	200.5	NANS_OW_127033935	6	Intermittent	Not Accessed - Data Gap
J1-249	Proposed Route	200.9	NANS_OW_127033980	6	Intermittent	Not Accessed - Data Gap
J1-249	Proposed Route	201	NANS_OW_127033980	6	Intermittent	Not Accessed - Data Gap
J1-249	Proposed Route	201.1	NANS_OW_127033980	6	Intermittent	Not Accessed - Data Gap
J1-250	Proposed Route	203.5	NANS_OW_127034158	6	Intermittent	Not Accessed - Data Gap
J1-251	Proposed Route	204.4	NANS_OW_127034191	6	Intermittent	Not Accessed - Data Gap
J1-252	Proposed Route	211.2	NANS_OW_162730565	6	Intermittent	Not Accessed - Data Gap
J1-253	Proposed Route	215.1	NANS_OW_162730612	6	Intermittent	Not Accessed - Data Gap
J1-254	Proposed Route	215.2	MA_TM_476	4	Intermittent	Caused by irrigation; stable banks; fines, gravel
J1-254	Proposed Route	215.3	MA_TM_477	2	Intermittent	Caused by irrigation; stable banks; fines, gravel substrate.
J1-254	Proposed Route	215.3	MA_TM_478	15	Intermittent	Excavated for irrigation; incised; fines, gravel, sand substrate.
J1-254	Proposed Route	215.2	NANS_OW_814	6	Intermittent	Not Accessed - Data Gap
J1-254	Proposed Route	215.3	NANS_OW_144341531	20	Intermittent	Not Accessed - Data Gap
J1-254	Proposed Route	215.3	NANS_OW_815	6	Intermittent	Not Accessed - Data Gap
J1-255	Proposed Route	215.8	MA_TM_482	8	Intermittent	Excavated for irrigation; stable banks; fines, gravel, sand substrate.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-255	Proposed Route	215.2	NANS_OW_144341464	6	Intermittent	Not Accessed - Data Gap
J1-255	Proposed Route	215.5	NANS_OW_144341464	6	Intermittent	Not Accessed - Data Gap
J1-255	Proposed Route	215.8	NANS_OW_162734905	6	Intermittent	Not Accessed - Data Gap
J1-256	Proposed Route	215.9	MA_TM_481	20	Perennial	Excavated for irrigation; fines, sand, gravel substrate.
J1-256	Proposed Route	216.2	NANS_OW_144341453	6	Intermittent	Not Accessed - Data Gap
J1-257	Proposed Route	216.5	MA_TM_485	4	Intermittent	Excavated for irrigation; stable banks; fines, sand substrate.
J1-257	Proposed Route	216.1	NANS_OW_144341452	6	Intermittent	Not Accessed - Data Gap
J1-258	Proposed Route	217.1	MA_TM_463	15	Intermittent	Created for irrigation; fines, sand, gravel substrate.
J1-258	Proposed Route	217.1	MA_TM_464	6	Intermittent	Constructed dam funnels water into several irrigation pipes. Water in the channel is a result of leakage or break in one pipe. Stable banks; fine substrate.
J1-258	Proposed Route	217.3	MA_TM_465	15	Intermittent	Excavated irrigation canal; sedimentation in the channel; fines, gravel, cobble substrate.
J1-258	Proposed Route	217.5	MA_TM_460	20	Perennial	
J1-259	Proposed Route	217.7	NANS_OW_162730678	6	Intermittent	Not Accessed - Data Gap
J1-260	Proposed Route	217.8	NANS_OW_162730674	6	Intermittent	Not Accessed - Data Gap
J1-260	Proposed Route	217.9	NANS_OW_162731377	6	Intermittent	Not Accessed - Data Gap
J1-261	Proposed Route	218.2	MA_TM_454	6	Intermittent	Excavated for irrigation; fine substrate.
J1-261	Proposed Route	218.3	MA_TM_455	30	Intermittent	Excavated for irrigation. Stable bank; fines, cobble substrate.
J1-261	Proposed Route	218.1	NANS_OW_162730680	6	Intermittent	Not Accessed - Data Gap
J1-262	Proposed Route	222.7	NANS_OW_146131470	6	Intermittent	Not Accessed - Data Gap
J1-263	Proposed Route	223.5	NANS_OW_146132539	6	Intermittent	Not Accessed - Data Gap



Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-263	Proposed Route	223.5	NANS_OW_146132542	6	Intermittent	Not Accessed - Data Gap
J1-264	Proposed Route	224.5	NANS_OW_159830513	6	Intermittent	Not Accessed - Data Gap
J1-264	Proposed Route	224.9	NANS_OW_159830507	6	Intermittent	Not Accessed - Data Gap
J1-265	Proposed Route	226.3	MA_TM_005	3	Intermittent	Stable incised banks; fine substrate.
J1-266	Proposed Route	226.6	NANS_OW_159830417	6	Intermittent	Not Accessed - Data Gap
J1-266	Proposed Route	226.9	NANS_OW_159830417	6	Intermittent	Not Accessed - Data Gap
J1-267	Proposed Route	227	NANS_OW_146132583	6	Perennial	Not Accessed - Data Gap
J1-268	Proposed Route	227.1	NANS_OW_146132517	6	Intermittent	Not Accessed - Data Gap
J1-269	Proposed Route	227.9	NANS_OW_159829757	6	Intermittent	Not Accessed - Data Gap
J1-270	Proposed Route	228.5	NANS_OW_159830035	6	Perennial	Not Accessed - Data Gap
J1-271	Proposed Route	229.2	NANS_OW_159829758	6	Intermittent	Not Accessed - Data Gap
J1-273	Proposed Route	229.7	NANS_OW_162724332	6	Intermittent	Not Accessed - Data Gap
J1-274	Proposed Route	230.2	NANS_OW_162724299	6	Intermittent	Not Accessed - Data Gap
J1-276	Proposed Route	229.6	NANS_OW_162724333	6	Intermittent	Not Accessed - Data Gap
J1-276	Proposed Route	229.7	NANS_OW_162724333	6	Intermittent	Not Accessed - Data Gap
J1-276	Proposed Route	230.1	NANS_OW_162724333	6	Intermittent	Not Accessed - Data Gap
J1-277	Proposed Route	231.4	NANS_OW_162724271	6	Intermittent	Not Accessed - Data Gap
J1-277	Proposed Route	231.7	NANS_OW_162724271	6	Intermittent	Not Accessed - Data Gap
J1-279	Proposed Route	232	NANS_OW_146127958	6	Intermittent	Not Accessed - Data Gap
J1-280	Proposed Route	230.5	NANS_OW_162724379	6	Intermittent	Not Accessed - Data Gap
J1-281	Proposed Route	231.6	MA_S_0182	10	Intermittent	Feature is a canal for agriculture.
J1-282	Proposed Route	232.1	NANS_OW_162723912	120	Perennial	Not Accessed - Data Gap
J1-283	Proposed Route	232.4	MApro_225	20	Intermittent	
J1-284	Proposed Route	232.7	NANS_OW_162724347	6	Intermittent	Not Accessed - Data Gap
J1-285	Proposed Route	235.4	NANS_OW_162724325	6	Intermittent	Not Accessed - Data Gap
J1-286	Double Mountain Alternative	0.2	NANS_OW_162724206	6	Intermittent	Not Accessed - Data Gap
J1-286	Double Mountain Alternative	0.3	NANS_OW_162724261	6	Intermittent	Not Accessed - Data Gap
J1-286	Proposed Route	238.5	NANS_OW_162723597	6	Intermittent	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-286	Proposed Route	239.1	NANS_OW_162723597	6	Intermittent	Not Accessed - Data Gap
J1-288	Proposed Route	239.9	NANS_OW_146126413	6	Intermittent	Not Accessed - Data Gap
J1-288	Proposed Route	240.1	NANS_OW_162723299	6	Perennial	Not Accessed - Data Gap
J1-289	Proposed Route	241	NANS_OW_162723590	6	Intermittent	Not Accessed - Data Gap
J1-290	Proposed Route	241.5	NANS_OW_162724176	6	Intermittent	Not Accessed - Data Gap
J1-290	Proposed Route	241.6	NANS_OW_162724176	6	Intermittent	Not Accessed - Data Gap
J1-290	Proposed Route	241.9	NANS_OW_162724172	6	Intermittent	Not Accessed - Data Gap
J1-291	Proposed Route	242.5	NANS_OW_162723408	6	Intermittent	Not Accessed - Data Gap
J1-292	Double Mountain Alternative	6.5	NANS_OW_162724152	6	Intermittent	Not Accessed - Data Gap
J1-292	Proposed Route	244.3	NANS_OW_162724152	6	Intermittent	Not Accessed - Data Gap
J1-293	Proposed Route	245	NANS_OW_158456417	6	Intermittent	Not Accessed - Data Gap
J1-294	Double Mountain Alternative	0.6	NANS_OW_162724227	6	Intermittent	Not Accessed - Data Gap
J1-295	Double Mountain Alternative	1.9	NANS_OW_162724211	6	Intermittent	Not Accessed - Data Gap
J1-295	Proposed Route	239.7	NANS_OW_162724211	6	Intermittent	Not Accessed - Data Gap
J1-296	Double Mountain Alternative	1.5	NANS_OW_162723763	6	Intermittent	Not Accessed - Data Gap
J1-296	Double Mountain Alternative	1.6	NANS_OW_162724225	6	Intermittent	Not Accessed - Data Gap
J1-296	Double Mountain Alternative	1.7	NANS_OW_162724225	6	Intermittent	Not Accessed - Data Gap
J1-298	Double Mountain Alternative	2.5	NANS_OW_162724202	6	Intermittent	Not Accessed - Data Gap
J1-299	Double Mountain Alternative	2.4	NANS_OW_162724899	6	Perennial	Not Accessed - Data Gap
J1-300	Double Mountain Alternative	3.8	NANS_OW_162723589	6	Intermittent	Not Accessed - Data Gap
J1-301	Double Mountain Alternative	5.5	NANS_OW_162725050	6	Intermittent	Not Accessed - Data Gap
J1-302	Double Mountain Alternative	5.6	NANS_OW_162724156	6	Intermittent	Not Accessed - Data Gap
J1-303	Double Mountain Alternative	5.8	NANS_OW_816	16	Intermittent	Not Accessed - Data Gap
J1-305	Double Mountain Alternative	6.9	NANS_OW_158456415	6	Intermittent	Not Accessed - Data Gap
J1-306	Double Mountain Alternative	7.39	NANS_OW_158456510	6	Intermittent	Not Accessed - Data Gap
J1-307	Proposed Route	246.8	NANS_OW_158460590	6	Intermittent	Not Accessed - Data Gap
J1-308	Proposed Route	248.3	NANS_OW_158456401	6	Intermittent	Not Accessed - Data Gap
J1-309	Proposed Route	248.6	MApro_401	6	Intermittent	Wetland fed from a seep in the adjacent irrigation canal.

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-310	Proposed Route	249.4	NANS_OW_158456448	6	Intermittent	Not Accessed - Data Gap
J1-311	Proposed Route	251.6	NANS_OW_158456390	6	Intermittent	Not Accessed - Data Gap
J1-312	Proposed Route	252	NANS_OW_158456392	6	Intermittent	Not Accessed - Data Gap
J1-312	Proposed Route	252.2	NANS_OW_158456538	6	Intermittent	Not Accessed - Data Gap
J1-313	Proposed Route	252.4	NANS_OW_158456389	6	Intermittent	Not Accessed - Data Gap
J1-313	Proposed Route	252.5	NANS_OW_158456389	6	Intermittent	Not Accessed - Data Gap
J1-314	Proposed Route	253.9	NANS_OW_146136922	6	Intermittent	Not Accessed - Data Gap
J1-314	Proposed Route	254.3	NANS_OW_146136925	6	Intermittent	Not Accessed - Data Gap
J1-314	Proposed Route	254.3	NANS_OW_817	16	Intermittent	Not Accessed - Data Gap
J1-314	Proposed Route	254.7	NANS_OW_817	<Null>	Intermittent	Not Accessed - Data Gap
J1-316	Proposed Route	255.4	NANS_OW_146136803	120	Perennial	Not Accessed - Data Gap
J1-316	Proposed Route	255.5	NANS_OW_146136889	6	Intermittent	Not Accessed - Data Gap
J1-318	Proposed Route	256.1	NANS_OW_146136317	6	Intermittent	Not Accessed - Data Gap
J1-319	Proposed Route	256.1	NANS_OW_146135008	25	Intermittent	Not Accessed - Data Gap
J1-319	Proposed Route	256.3	NANS_OW_146135010	25	Intermittent	Not Accessed - Data Gap
J1-319	Proposed Route	256.4	NANS_OW_146135010	25	Intermittent	Not Accessed - Data Gap
J1-319	Proposed Route	256.5	NANS_OW_146135010	25	Intermittent	Not Accessed - Data Gap
J1-321	Proposed Route	257	NANS_OW_158456344	6	Intermittent	Not Accessed - Data Gap
J1-322	Proposed Route	257.3	NANS_OW_158456326	6	Intermittent	Not Accessed - Data Gap
J1-322	Proposed Route	257.3	NANS_OW_158456345	6	Intermittent	Not Accessed - Data Gap
J1-322	Proposed Route	258.2	NANS_OW_158456345	6	Intermittent	Not Accessed - Data Gap
J1-323	Proposed Route	257.6	NANS_OW_158456533	6	Intermittent	Not Accessed - Data Gap
J1-325	Proposed Route	260.1	NANS_OW_131909414	6	Intermittent	Not Accessed - Data Gap
J1-326	Proposed Route	260.5	NANS_OW_131908680	6	Intermittent	Not Accessed - Data Gap
J1-326	Proposed Route	260.6	NANS_OW_131909420	6	Intermittent	Not Accessed - Data Gap
J1-327	Proposed Route	261.2	NANS_OW_131912372	6	Intermittent	Not Accessed - Data Gap
J1-328	Proposed Route	262	NANS_OW_131912577	6	Intermittent	Not Accessed - Data Gap
J1-329	Proposed Route	262.3	NANS_OW_131908856	6	Intermittent	Not Accessed - Data Gap
J1-330	Proposed Route	262.9	NANS_OW_131911495	6	Intermittent	Not Accessed - Data Gap

Map Tile	Route	Mile Post	Feature ID	Width (Feet)	Stream Type	Characteristics
J1-331	Proposed Route	263.8	NANS_OW_131908406	25	Intermittent	Not Accessed - Data Gap
J1-331	Proposed Route	263.8	NANS_OW_131909432	6	Intermittent	Not Accessed - Data Gap
J1-332	Proposed Route	264.4	NANS_OW_131909450	6	Intermittent	Not Accessed - Data Gap
J1-333	Proposed Route	266	NANS_OW_131912674	6	Intermittent	Not Accessed - Data Gap
J1-334	Proposed Route	266.5	MApro_437	16	Intermittent	Wide canal with narrow band of riparian vegetation along the banks. This canal is for
J1-334	Proposed Route	266.8	MApro_437	16	Intermittent	Wide canal with narrow band of riparian vegetation along the banks. This canal is for agriculture.
J1-334	Proposed Route	267.2	MApro_437	30	Intermittent	Wide canal with narrow band of riparian vegetation along the banks. This canal is for agriculture.
J1-334	Proposed Route	267.7	MApro_437	8	Intermittent	Wide canal with narrow band of riparian vegetation along the banks. This canal is for agriculture.
J1-335	Proposed Route	267.1	MApro_436	60	Perennial	Wide flowing stream lined with tall willows.
J1-336	Proposed Route	267.9	NANS_OW_131909460	6	Intermittent	Not Accessed - Data Gap
J1-339	Proposed Route	268.1	NANS_OW_131909466	6	Intermittent	Not Accessed - Data Gap
J1-339	Proposed Route	268.2	NANS_OW_131909466	6	Intermittent	Not Accessed - Data Gap
J1-340	Proposed Route	268.3	MApro_441	35	Intermittent	
J1-342	Proposed Route	268.7	MApro_443	35	Intermittent	
J1-342	Proposed Route	269.1	MApro_444	35	Intermittent	
J1-343	Proposed Route	269.2	MApro_446	40	Intermittent	Not Accessed - Data Gap
J1-343	Proposed Route	269.1	NANS_OW_131912713	6	Intermittent	Not Accessed - Data Gap
J1-344	Proposed Route	270.4	NANS_OW_131909486	6	Intermittent	Not Accessed - Data Gap
J1-344	Proposed Route	270.5	NANS_OW_131909486	6	Intermittent	Not Accessed - Data Gap

**Table J-2-6. Morrow County Other Waters Impacts**

Feature ID	Impacts (Acres)		Impacts (Feet)	
	Permanent	Temporary	Permanent	Temporary
MO_SW_STRM_300	0.007	0.015	14.79	31.60
<b>Grand Total</b>	<b>0.007</b>	<b>0.015</b>	<b>14.79</b>	<b>31.60</b>

**Table J-2-7. Umatilla County Other Waters Impacts**

Feature ID	Impacts (Acres)		Impacts (Feet)	
	Permanent	Temporary	Permanent	Temporary
UM_SW_STRM_004	0.013	0.027	28.04	60.27
UM_SW_STRM_008	–	0.015	0.00	0.01
UM_SW_STRM_013	0.011	0.013	14.32	16.33
<b>Grand Total</b>	<b>0.024</b>	<b>0.055</b>	<b>42.36</b>	<b>76.61</b>

**Table J-2-8A. Union County Wetland Impacts**

Feature ID	Impacts (Acres)	
	Permanent	Temporary
UN_MC_W_018	0.151	0.177
UN_MC_W_019	0.010	0.099
UN_ML_W_004	0.003	0.006
UN_ML_W_015	0.003	0.008
<b>Grand Total</b>	<b>0.167</b>	<b>0.290</b>

**Table J-2-8B. Union County Other Waters Impacts**

Feature ID	Impacts (Acres)		Impacts (Feet)	
	Permanent	Temporary	Permanent	Temporary
UN_MC_STRM_001	0.002	0.004	28.33	29.69
UN_MC_STRM_005	0.004	0.006	40.98	57.87
UN_MC_STRM_006	0.001	0.001	15.03	16.03
UN_MC_STRM_300	0.000	0.000	2.69	12.18
UN_MC_STRM_301	0.001	0.002	14.58	16.68
UN_ML_STRM_300	0.002	0.005	14.23	37.52
<b>Grand Total</b>	<b>0.010</b>	<b>0.018</b>	<b>115.84</b>	<b>169.97</b>

**Table J-2-9A. Baker County Wetland Impacts**

Feature ID	Impacts (Acres)	
	Permanent	Temporary
BA_BR_W446	0.003	0.008
BA_FL_W_011	0.006	0.008
BA_FL_W_012	0.008	0.019
BA_WT_W_010	0.002	0.002
BA_WT_W_202	0.003	0.008
BA_WT_W_204	0.015	0.037
BA_WT_W_206	0.006	0.013
<b>Grand Total</b>	<b>0.044</b>	<b>0.096</b>

**Table J-2-9B. Baker County Other Waters Impacts**

Feature ID	Impacts (Acres)		Impacts (Feet)	
	Permanent	Temporary	Permanent	Temporary
BA_FL_008	0.001	0.002	25.67	102.34
BA_FL_STRM_023	0.002	0.003	20.85	29.26
BA_FL_STRM_024	-	0.004	0.00	14.80
BA_WT_STRM_017	0.006	0.007	55.08	57.87
BA_WT_STRM_020	0.002	0.002	15.19	17.40
BA_WT_STRM_027	0.005	0.012	22.03	54.65
BA_WT_STRM_029	0.001	0.004	15.22	38.35
BA_WT_STRM_211	0.001	0.002	15.64	33.45
BA_WT_STRM_213	0.001	0.002	15.23	31.52
BA_WT_STRM_214	0.001	0.001	14.38	16.43
BA_WT_STRM_215	0.007	0.009	120.06	150.03
BA_WT_STRM_225	0.002	0.004	17.53	43.48
<b>Grand Total</b>	<b>0.028</b>	<b>0.050</b>	<b>336.88</b>	<b>589.58</b>



**Table J-2-10. Malheur County Other Waters Impacts**

Feature ID	Impact (Acres)		Impacts (Feet)	
	Permanent	Temporary	Permanent	Temporary
MA_TM_005	0.001	0.001	16.22	18.56
MA_TM_465	-	0.000	0.00	1.12
<b>Grand Total</b>	<b>0.001</b>	<b>0.001</b>	<b>16.22</b>	<b>19.68</b>