



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-34-3262
ATTN: Colleen Anderson,
Project Manager

Public Notice Date: April 7, 2021
Expiration Date: May 7, 2021

Reference No.: NWS-2020-124
Name: Redmond, City of
(Evans Creek Relocation)

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. The Washington Department of Ecology (Ecology) will review the work separately pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: City of Redmond
Attention: Lisa Singer
City of Redmond Public Works Department
P.O. Box 97010
Redmond, Washington 98073
Telephone: (425) 556-2726

AGENT: HDR Engineering, Inc.
Attention: Lisa Danielski
929 108th Avenue, Suite 1300
Bellevue, Washington 98004
Telephone: (425) 450-6390

LOCATION: The project is located in Evans Creek, Tributary 08.0107, and wetlands at Redmond, Washington.

WORK: Relocate 3,644 linear feet of Evan Creek stream channel to its natural floodplain. The relocation would start downstream of the bridge at Northeast Union Hill Road and end at the recently constructed channel at the Washington State Department of Transportation (WSDOT) State Route 520 wetland mitigation project.

The applicant would excavate 8,600 cubic yards of Wetland 1 for the creation of the new stream channel. The placement of up to 10,000 cubic yards of fill is anticipated for the relocation of the stream channel fill in Evans Creek Wetlands, a portion of Wetland 1, and the existing stream channel and 9,900 cubic yards of excavation of Wetland 1 for meander belt excavation.

PURPOSE: To provide in-stream and streamside habitat complexity and restore its natural floodplain.

ADDITIONAL INFORMATION: The project would be conducted in two phases.

Phase 1

Phase 1 includes the construction of the proposed channel and planting riparian vegetation. Construction of the proposed new channel would occur landward of the Ordinary High Water Mark (OHWM) of Evans Creek. This work is isolated from the existing Evans Creek stream channel, separated at both ends by retaining a strip of land.

Grading and Earthwork:

Site preparation consists of fencing off the project limits, identifying invasive species removal areas, and installing silt fencing. Earthwork at the site will include the construction of temporary stormwater detention, stripping and salvaging the topsoil, excavating materials, and grading the stream channel down to design grades.

Tributary 08.0107 would require a bypass around the new stream channel construction site. A stream bypass pipe and cofferdam would be installed to divert flows outlet downstream of the construction area into Evans Creek. Work would be conducted during low flow in the approved in-water work window. During the winter months, this bypass will be removed.

Over-Water Stream Crossings:

The proposed alignment for the new stream channel will bisect the Evans Creek Trail at two locations. A raised boardwalk transitioning to an approximate 50-foot span pedestrian bridge is proposed at these locations. The bridges are designed to span the entire new stream channel with minimal support piers on each side within the floodplain.

Stream Channel Design:

The new stream channel length would be 3,644 lineal feet, with widths ranging from 15 feet to 33 feet. (Sheet 15). The channel construction area would be isolated from the existing Evans Creek flows during construction both at the upstream and downstream ends of the proposed channel. These temporary features would remain in place until the channel geometry has been constructed and plantings have been placed after phase one. The plantings will be allowed to establish for one season prior to the connection of Evans Creek to the new channel.

Habitat Design:

Up to 60 percent of existing vegetation will be removed for construction within a roughly 100-foot wide corridor along the new stream channel. 124 key pieces of Large Woody Material (LWM) will be anchored along the creek bed with root wads placed waterward of the OHWM.

Riparian Corridor Restoration – New Channel:

Invasive plant species would be removed from the project area and all areas affected by the new channel's construction would be revegetated. The material will be planted by hand, using hand tools. Some machinery may access the site to deliver plants or mulch. Live stakes of willows and other shrub species would be densely planted along the top of the new stream channel's bank, while the riparian corridor landward of the stream channel.

Phase 2

Phase 2 will consist of diverting Evans Creek into the newly constructed channel during an agency-approved in-water work window. Tributary 08.0107 would be diverted into the new channel during Phase 2. Construction would occur during the approved in-water work window. A cofferdam and bypass pipe would be installed in Evans Creek downstream and upstream to isolate the work area for dewatering. After dewatering, the channel would be connected to the existing Evans Creek.

Additionally, up to 10,000 cubic yards of fill is proposed to be placed in the existing channel after the stream has been diverted into the new channel.

The wetland boundaries and/or location of the ordinary high water mark shown on the project drawings have not yet been verified by the U.S. Army Corps of Engineers (Corps). If the Corps determines the boundaries of the wetland/waters are substantially inaccurate, a new public notice may be published.

MITIGATION: The applicant is not proposing any additional mitigation due to the nature of the stream restoration. Restoration would consist of enhancing approximately 7.55 acres of Wetland 1 by planting native shrub species, and 0.78 of an acre of streambank plantings, relocating the Evans Creek stream channel in a new location (outside of unsuitable industrial properties), and providing new enhanced riparian buffers at key locations along the proposed alignment.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the U.S. Army Corps of Engineers will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area.

If the U.S. Army Corps of Engineers (Corps) determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

The U.S. Army Corps of Engineers (Corps) has determined that the proposed action will adversely affect designated EFH for federally managed fisheries in Washington waters. The Corps has initiated EFH consultation with the National Marine Fisheries Service.

CULTURAL RESOURCES: The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. A historic properties investigation has been conducted within the permit area. No historic properties determined eligible for or listed on the National Register of Historic Places were found to exist within the permit area. The Corps invites responses to this public notice from Native American Tribes or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the

national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

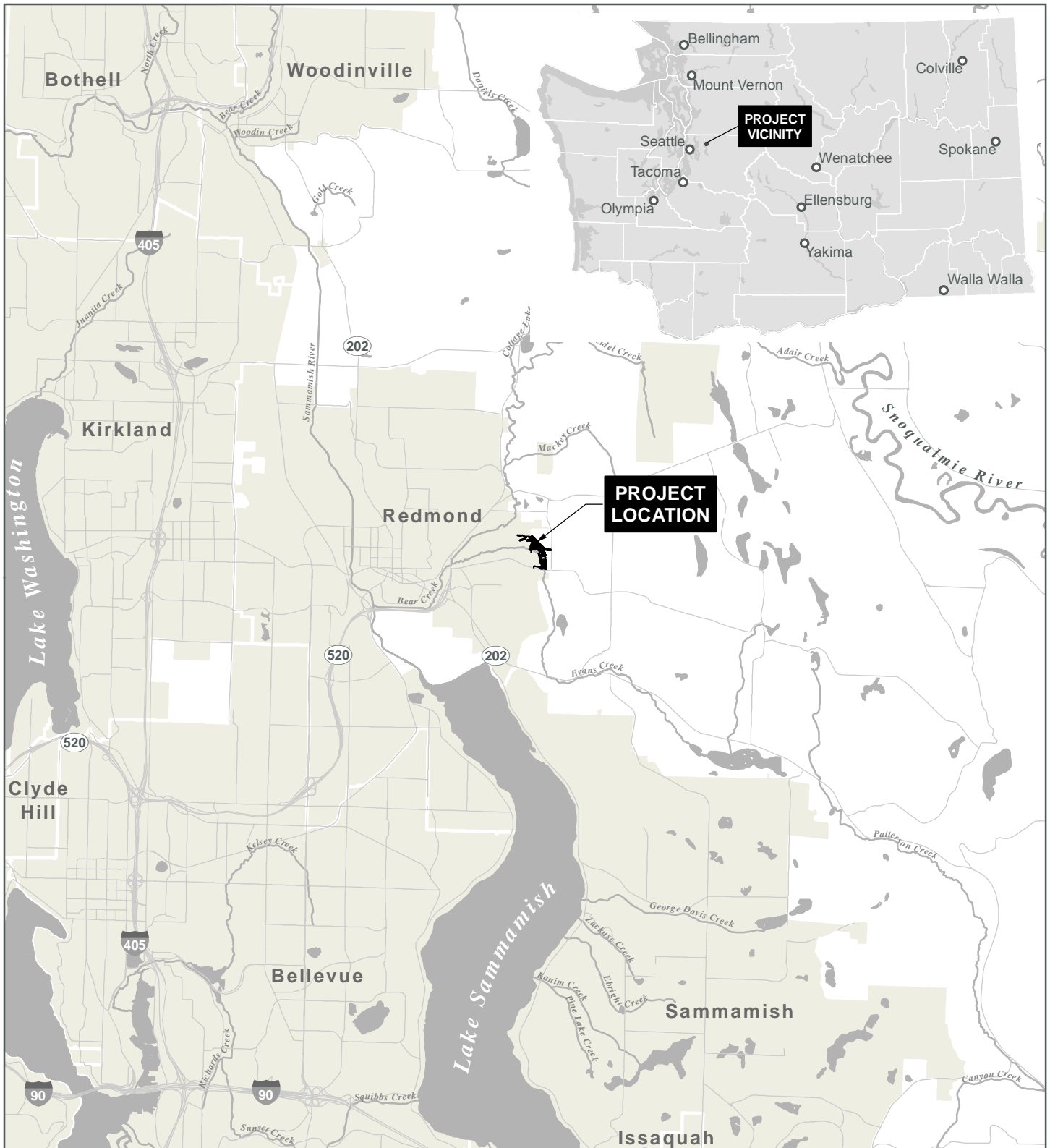
The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

SOURCE OF FILL MATERIAL: The source of the fill material will be from an approved borrow source.

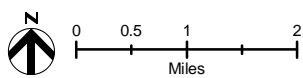
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to colleen.c.anderson@usace.army.mil. Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 3755, Seattle, Washington, 98124-3755. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

Redmond, City of (Evans Creek Relocation); NWS-2020-124

Encl: Figures (26)



PROJECT VICINITY

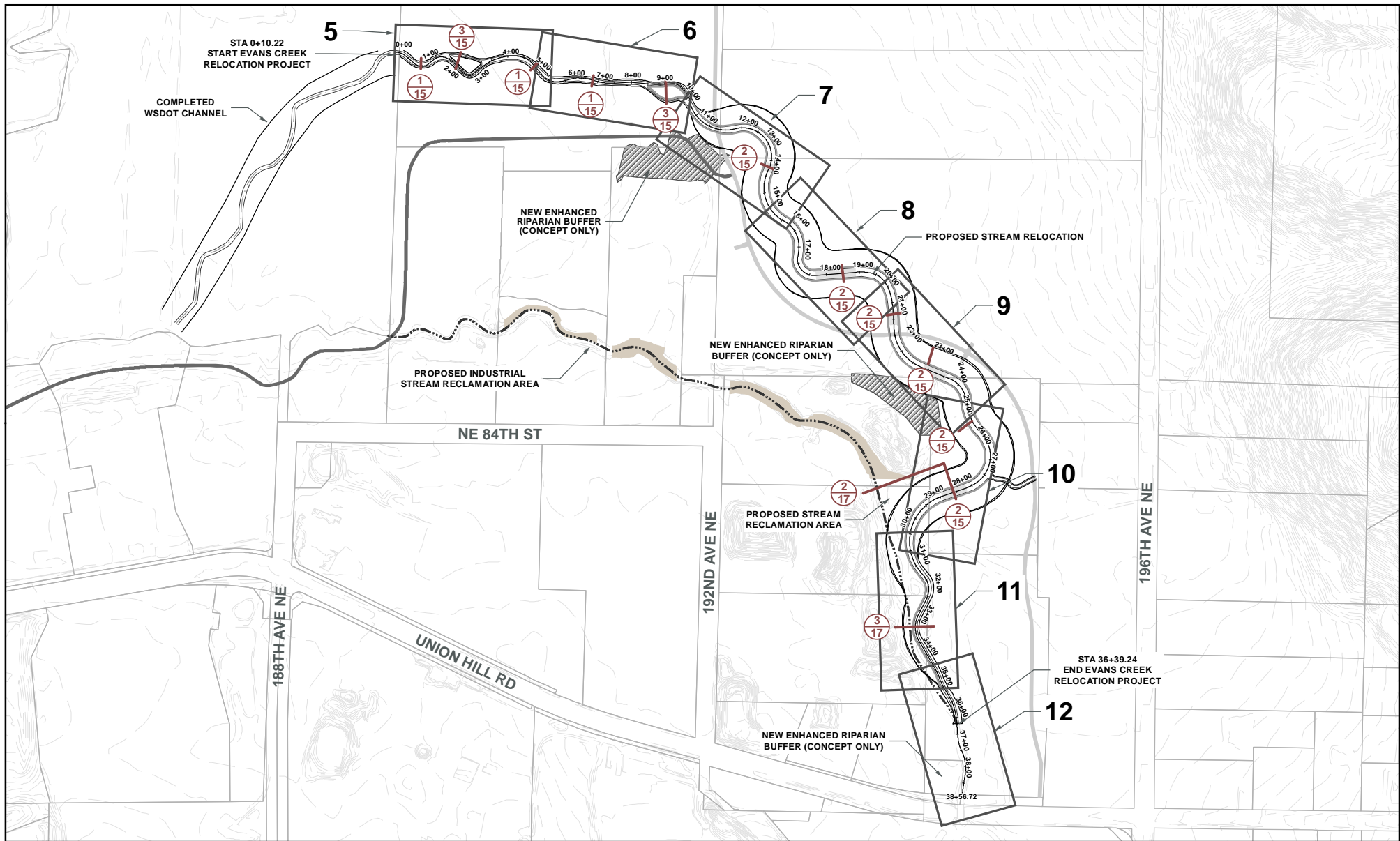


 Project Location

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements
 REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation
 IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 1 of 26
 DATE: 2/12/2021



- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- COMPLETED WSDOT CHANNEL
- PROPOSED CREEK THALWEG
- - - - EXISTING STREAM
- EXISTING TRAIL
- FUTURE REGIONAL TRAIL (NOT PART OF THIS PROJECT)
- RIPARIAN BUFFER
- STREAM RECLAMATION AREA

*SEE SHEETS 5-12 FOR IMPACT AREA INFORMATION

OVERVIEW/KEY MAP

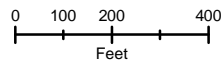
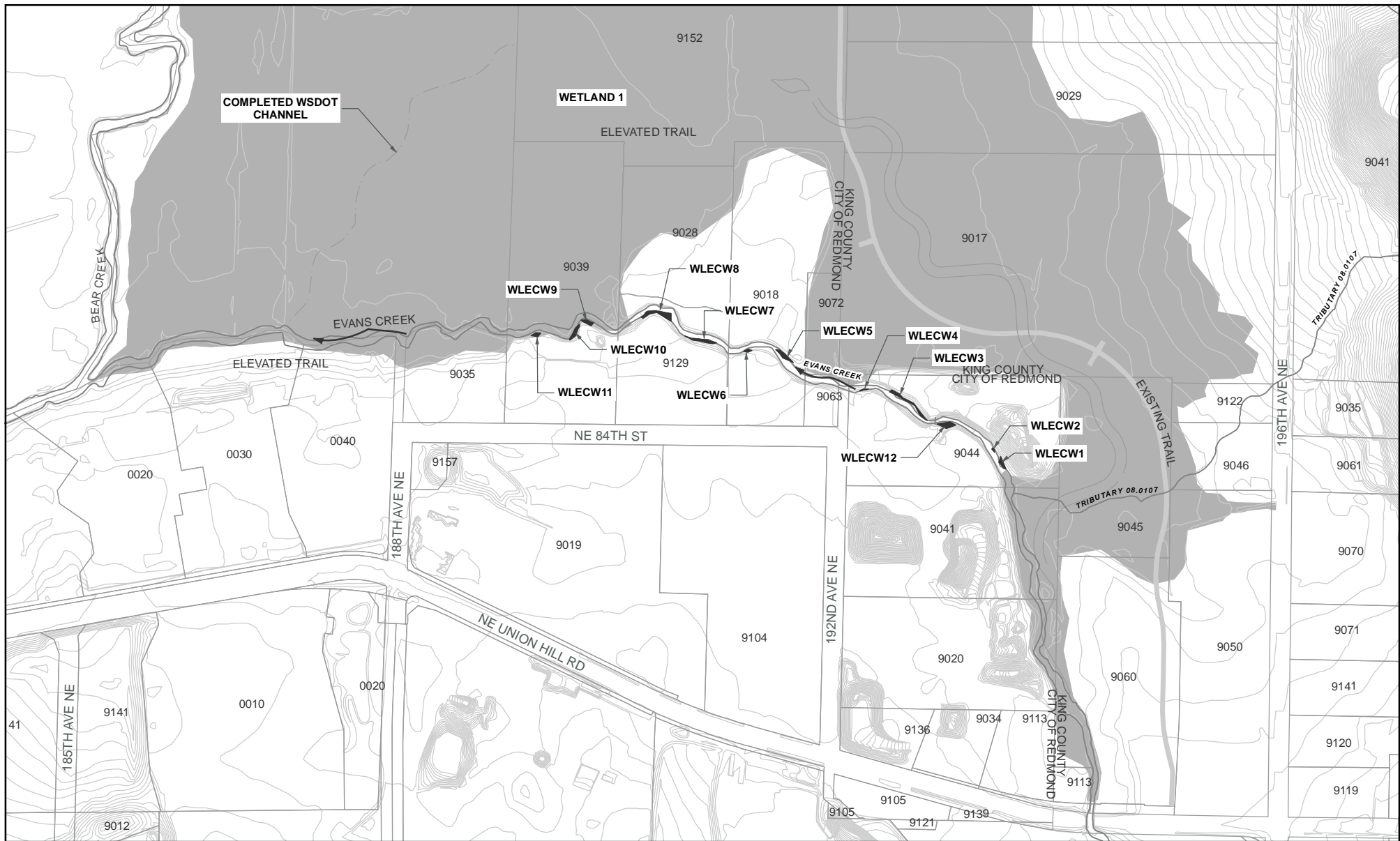
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 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 2 of 26
 DATE: 2/12/2021



EVANS CREEK WETLAND	CONTOUR (2FT)
WETLAND	STREAM
EXISTING TRAIL	PARCEL (PARCEL PREFIX 062506)

EXISTING CONDITIONS

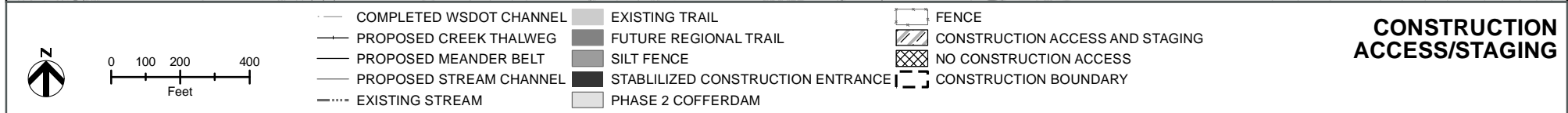
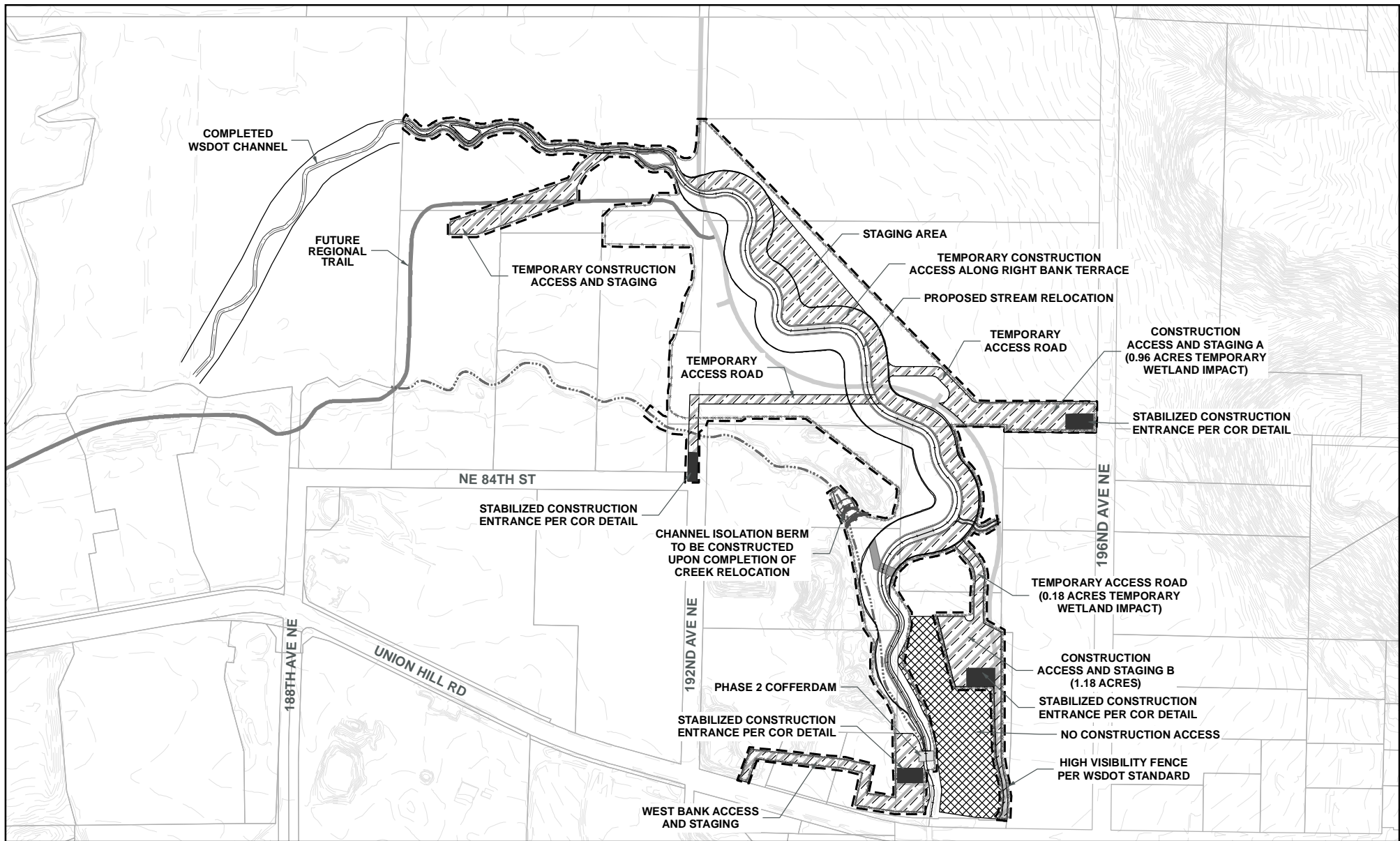
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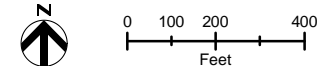
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 Evans Creek Relocation

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 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 3 of 26
 DATE: 2/12/2021



CONSTRUCTION ACCESS/STAGING



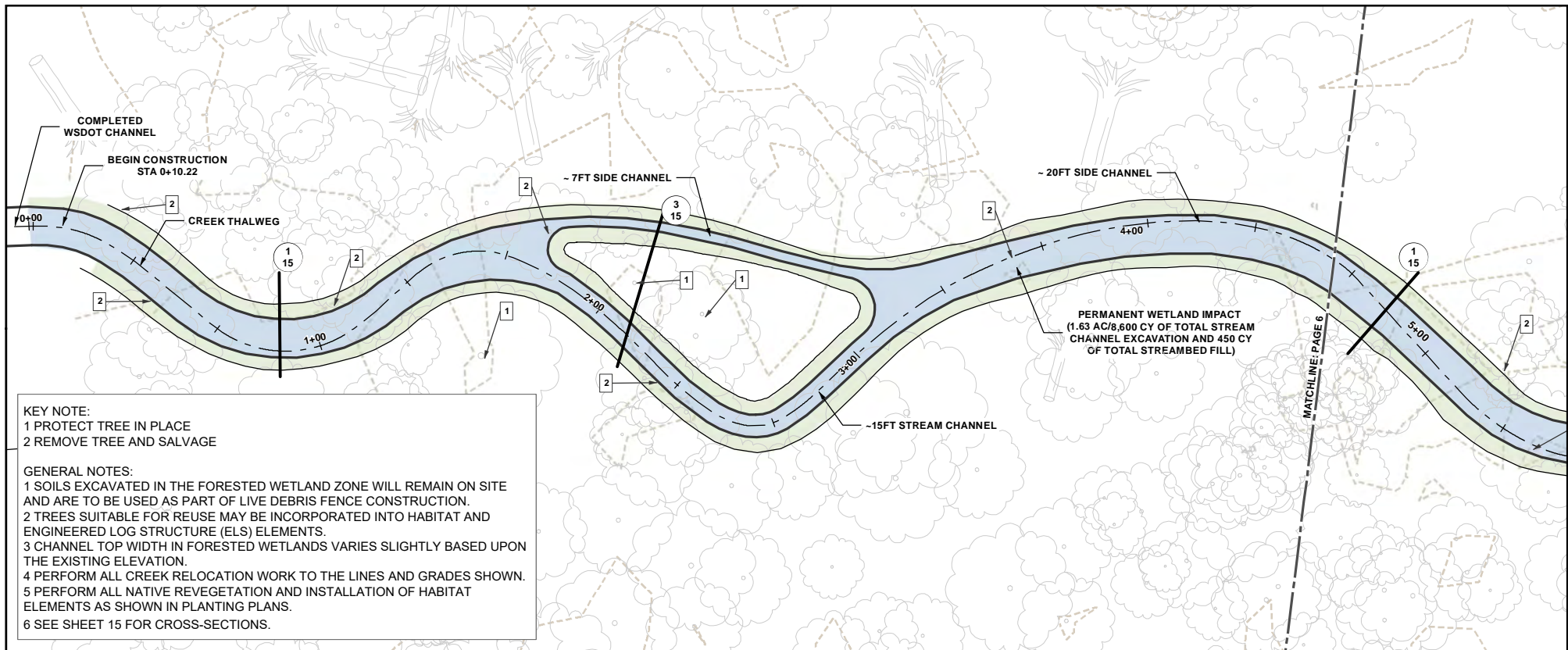
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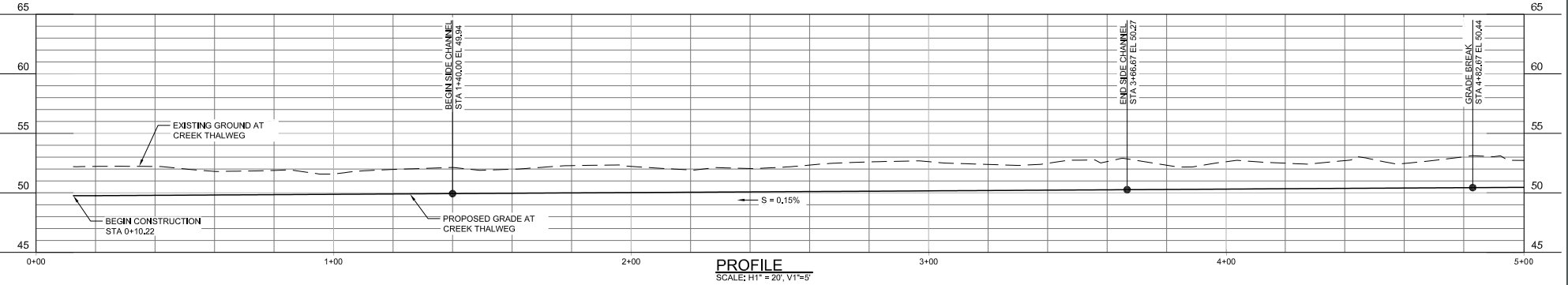
PROPOSED PROJECT:
 Evans Creek Relocation

 IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 4 of 26
 DATE: 2/12/2021

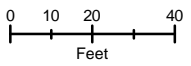


KEY NOTE:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE

GENERAL NOTES:
 1 SOILS EXCAVATED IN THE FORESTED WETLAND ZONE WILL REMAIN ON SITE AND ARE TO BE USED AS PART OF LIVE DEBRIS FENCE CONSTRUCTION.
 2 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERED LOG STRUCTURE (ELS) ELEMENTS.
 3 CHANNEL TOP WIDTH IN FORESTED WETLANDS VARIES SLIGHTLY BASED UPON THE EXISTING ELEVATION.
 4 PERFORM ALL CREEK RELOCATION WORK TO THE LINES AND GRADES SHOWN.
 5 PERFORM ALL NATIVE REVEGETATION AND INSTALLATION OF HABITAT ELEMENTS AS SHOWN IN PLANTING PLANS.
 6 SEE SHEET 15 FOR CROSS-SECTIONS.



PROFILE
 SCALE: H1" = 20', V1" = 5'



- EXISTING STREAM
- ////// EXISTING FENCE
- - - - CONTOUR
- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- PROPOSED FEATURE
- PERMANENT STREAM IMPACT
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- WETLAND BOUNDARY

**PLAN AND PROFILE
 STA 00+00 TO 05+00**

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
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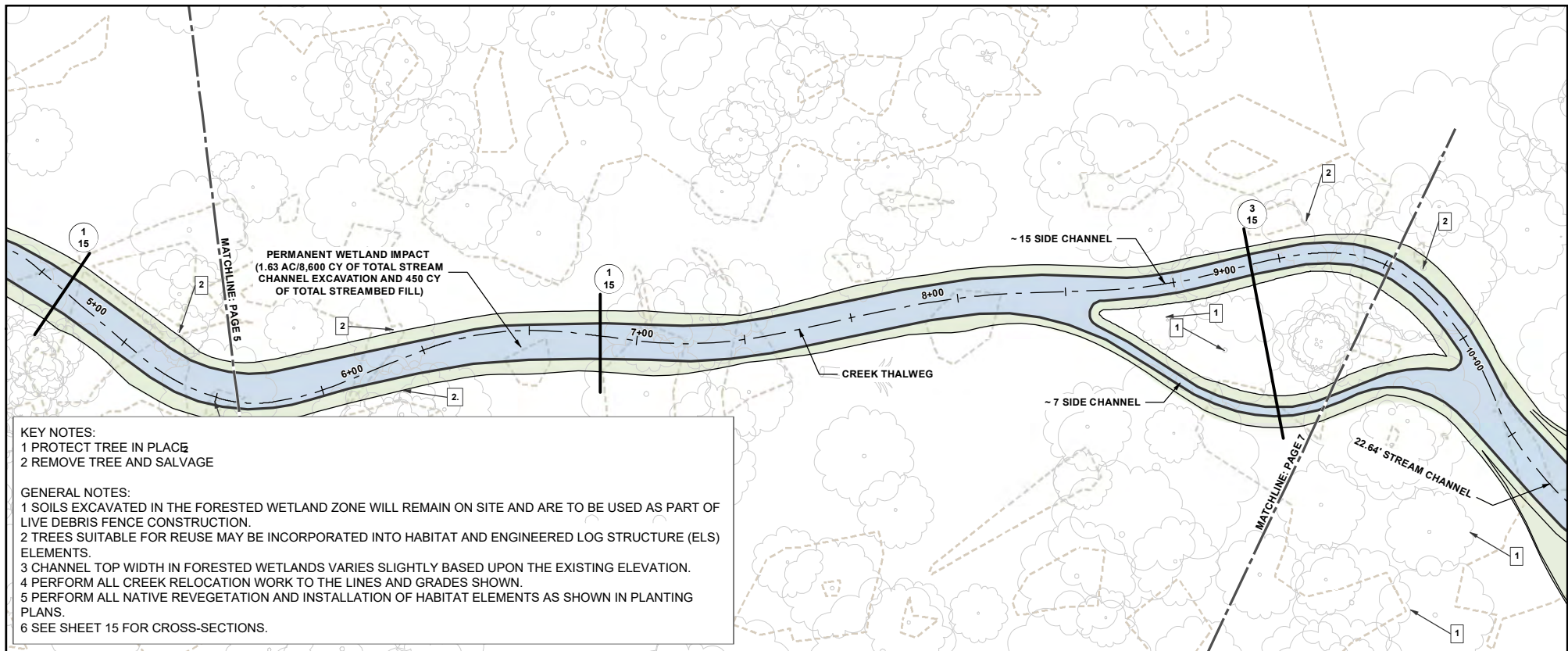
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PROPOSED PROJECT:
 Evans Creek Relocation

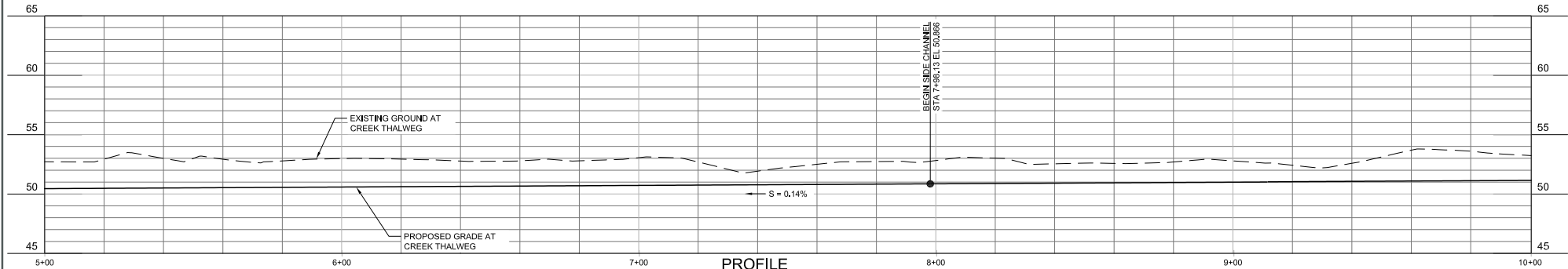
 IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 5 of 26
 DATE: 2/12/2021

STATE: WA

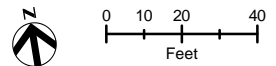


KEY NOTES:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE

GENERAL NOTES:
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PROFILE
 SCALE: H1"=20' V1"=5'



- EXISTING STREAM
- //// EXISTING FENCE
- - - CONTOUR
- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- PROPOSED FEATURE
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- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- WETLAND BOUNDARY

**PLAN AND PROFILE
 STA 05+00 TO 10+00**

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
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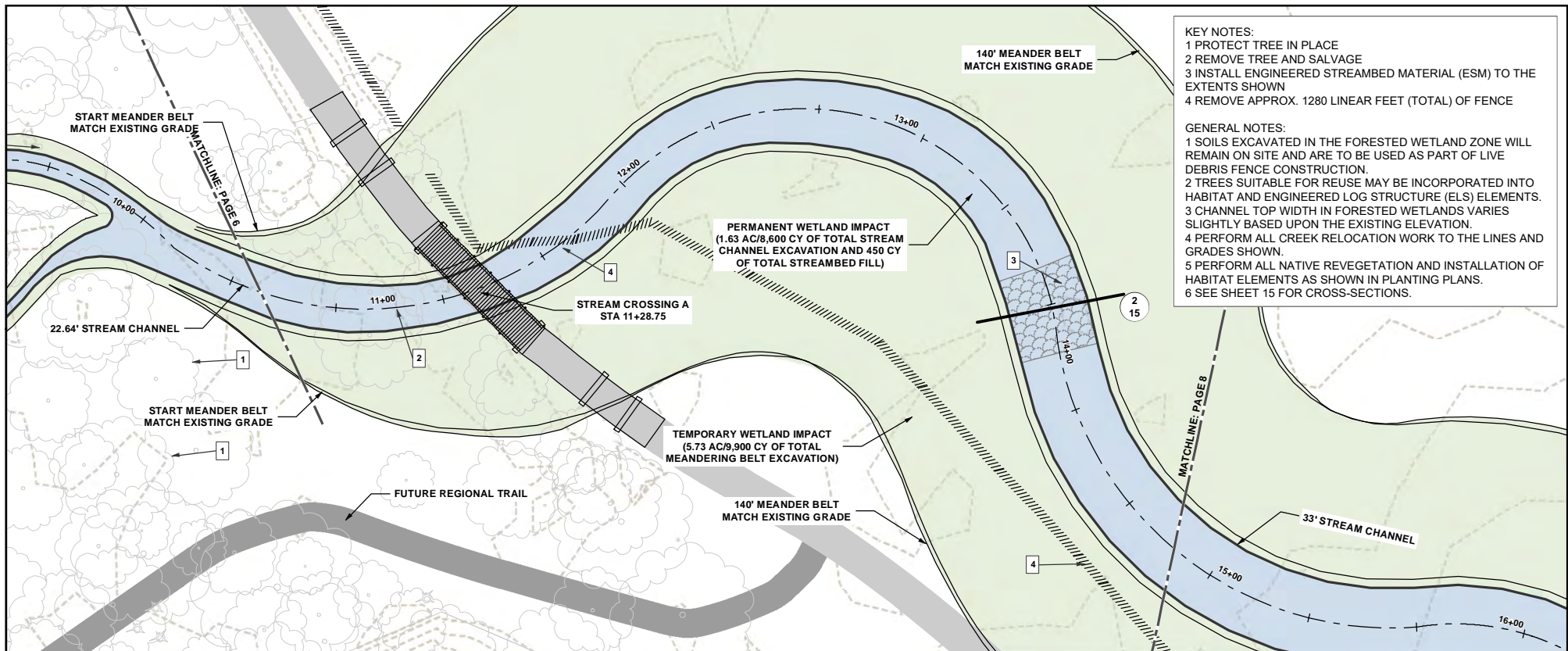
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PROPOSED PROJECT:
 Evans Creek Relocation

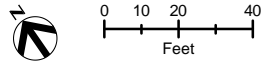
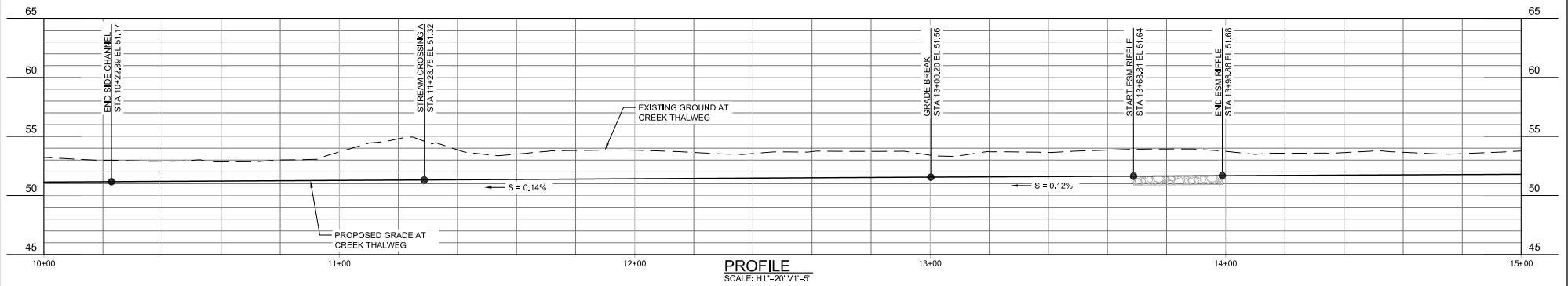
 IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 6 of 26
 DATE: 2/12/2021

STATE: WA



KEY NOTES:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE
 3 INSTALL ENGINEERED STREAMBED MATERIAL (ESM) TO THE EXTENTS SHOWN
 4 REMOVE APPROX. 1280 LINEAR FEET (TOTAL) OF FENCE

GENERAL NOTES:
 1 SOILS EXCAVATED IN THE FORESTED WETLAND ZONE WILL REMAIN ON SITE AND ARE TO BE USED AS PART OF LIVE DEBRIS FENCE CONSTRUCTION.
 2 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERED LOG STRUCTURE (ELS) ELEMENTS.
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- EXISTING STREAM
- ////// EXISTING FENCE
- - - - CONTOUR
- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- PROPOSED FEATURE
- PERMANENT STREAM IMPACT
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- WETLAND BOUNDARY
- EXISTING TRAIL
- FUTURE REGIONAL TRAIL

**PLAN AND PROFILE
 STA 10+00 TO 15+00**

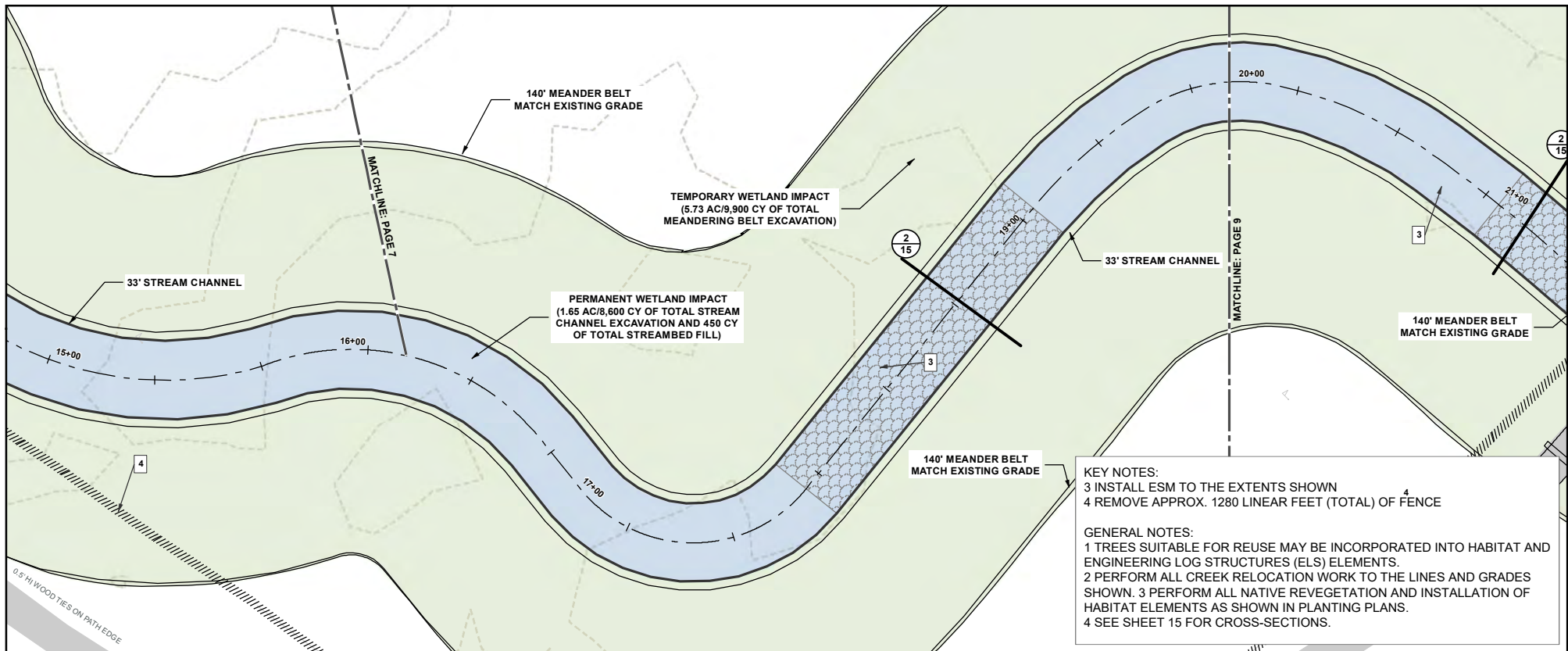
APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

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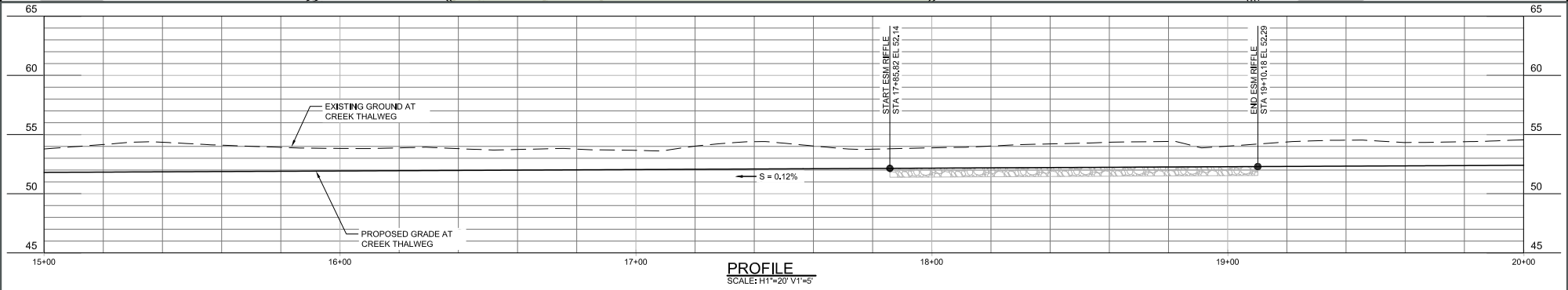
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 7 of 26
 DATE: 2/12/2021



KEY NOTES:
 3 INSTALL ESM TO THE EXTENTS SHOWN
 4 REMOVE APPROX. 1280 LINEAR FEET (TOTAL) OF FENCE

GENERAL NOTES:
 1 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERING LOG STRUCTURES (ELS) ELEMENTS.
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 4 SEE SHEET 15 FOR CROSS-SECTIONS.



PROFILE
 SCALE: H1"=20' V1"=5'

- | | | |
|---------------------|---------------------------|----------------------------|
| --- EXISTING STREAM | — PROPOSED MEANDER BELT | ■ PERMANENT STREAM IMPACT |
| //// EXISTING FENCE | — PROPOSED STREAM CHANNEL | ■ PERMANENT WETLAND IMPACT |
| - - - CONTOUR | — PROPOSED FEATURE | ■ TEMPORARY WETLAND IMPACT |
| ■ EXISTING TRAIL | □ WETLAND BOUNDARY | |

**PLAN AND PROFILE
 STA 15+00 TO 20+00**

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
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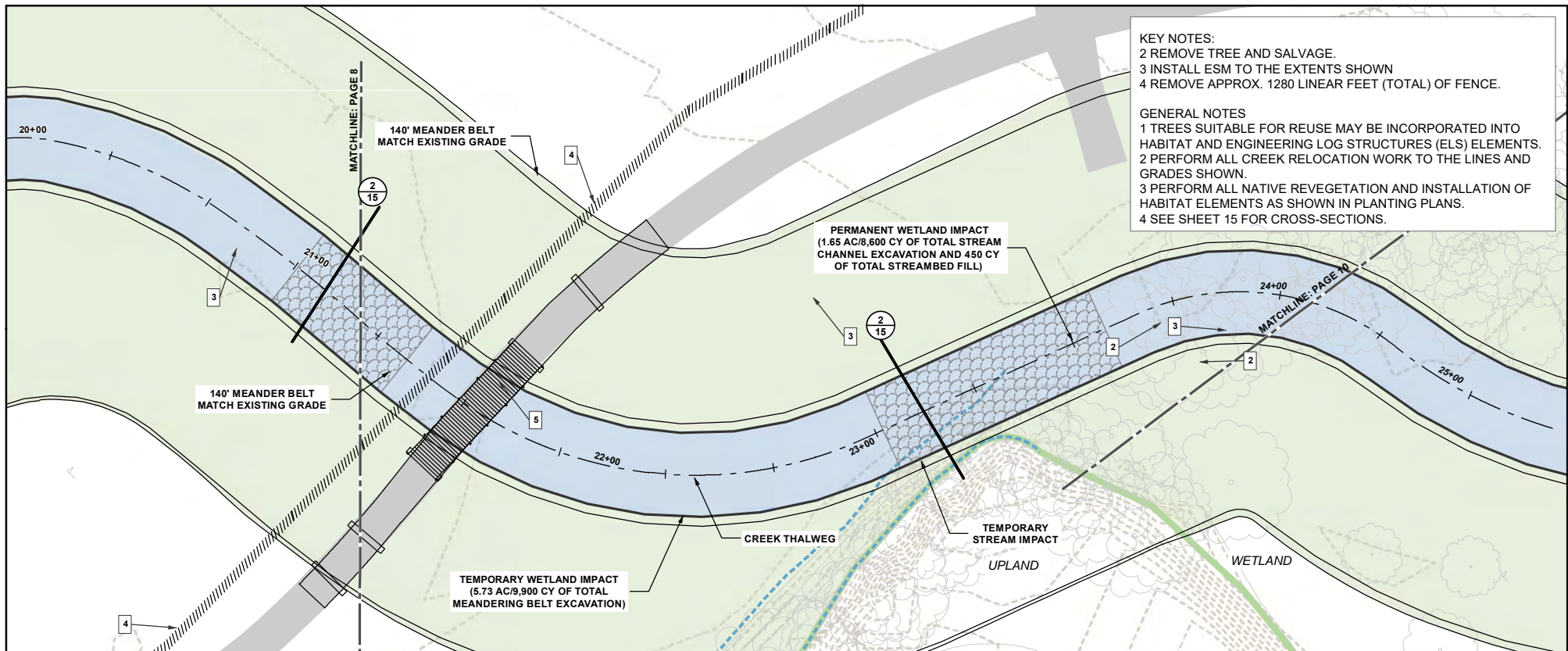
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PROPOSED PROJECT:
 Evans Creek Relocation

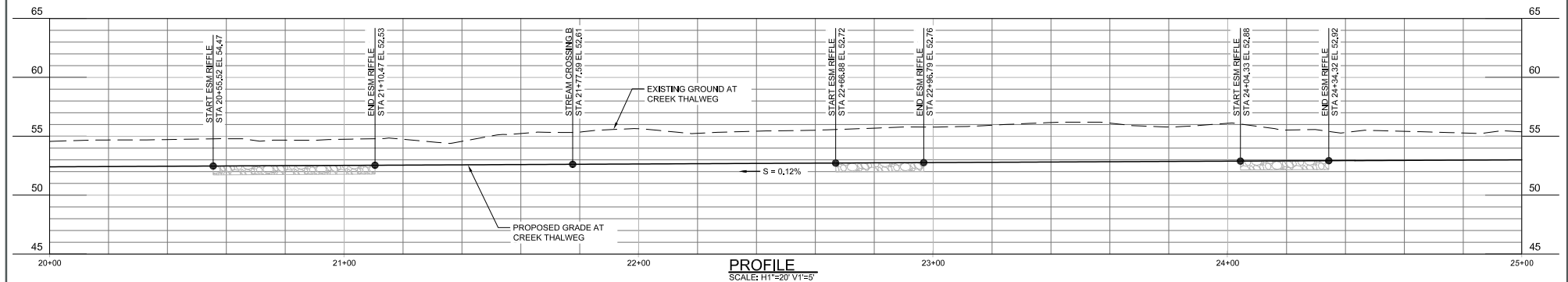
IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 8 of 26
 DATE: 2/12/2021

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KEY NOTES:
 2 REMOVE TREE AND SALVAGE.
 3 INSTALL ESM TO THE EXTENTS SHOWN
 4 REMOVE APPROX. 1280 LINEAR FEET (TOTAL) OF FENCE.

GENERAL NOTES
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PROFILE
 SCALE: H1"=20' V1"=5'

- EXISTING STREAM
- ////// EXISTING FENCE
- - - - CONTOUR
- - - - STREAM OHWM
- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- PROPOSED FEATURE
- EXISTING TRAIL
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- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- WETLAND BOUNDARY

**PLAN AND PROFILE
 STA 20+00 TO 25+00**

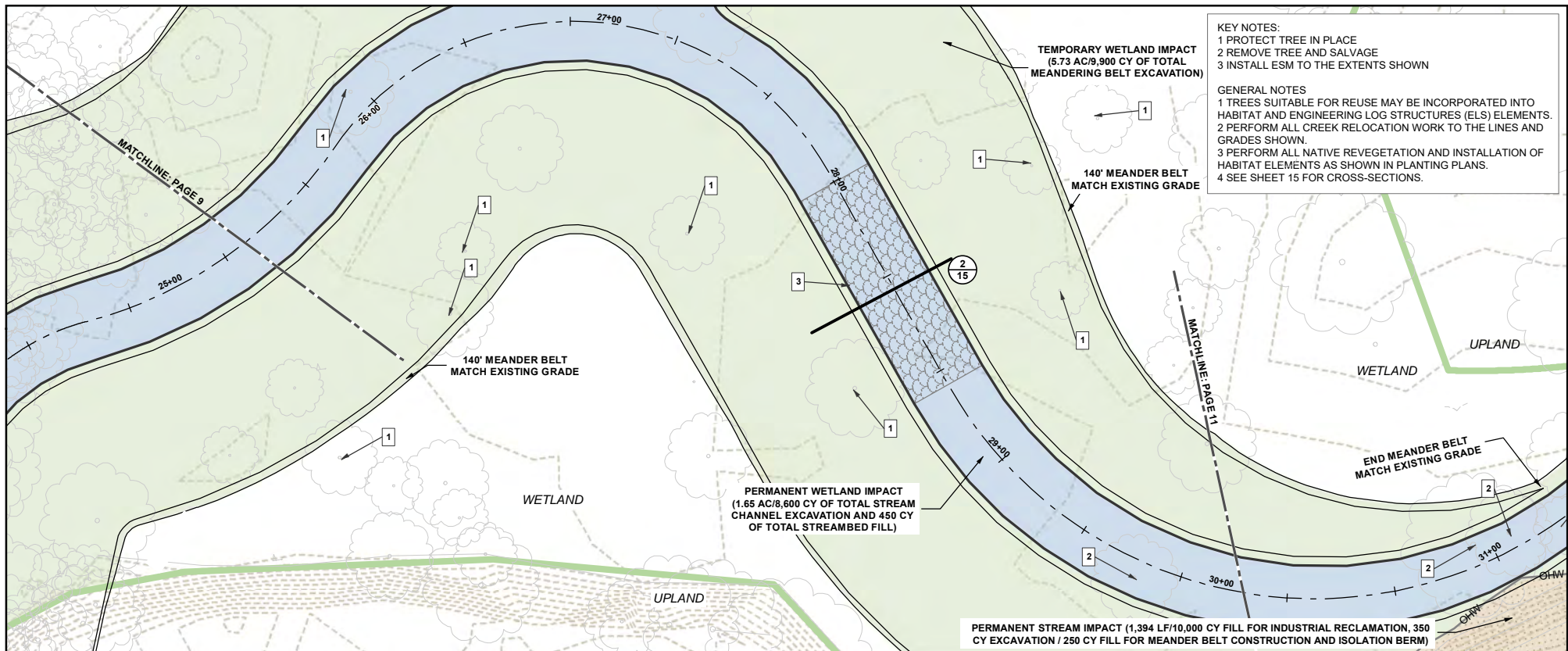
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 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

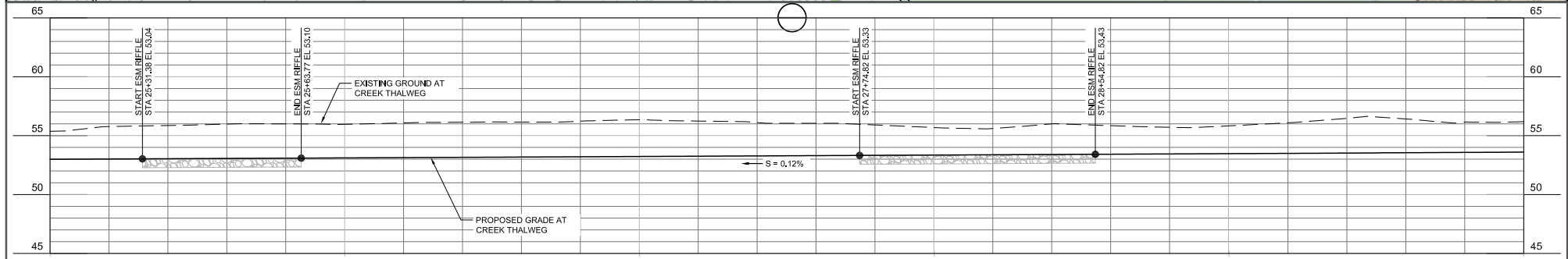
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 9 of 26
 DATE: 2/12/2021



KEY NOTES:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE
 3 INSTALL ESM TO THE EXTENTS SHOWN

GENERAL NOTES
 1 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERING LOG STRUCTURES (ELS) ELEMENTS.
 2 PERFORM ALL CREEK RELOCATION WORK TO THE LINES AND GRADES SHOWN.
 3 PERFORM ALL NATIVE REVEGETATION AND INSTALLATION OF HABITAT ELEMENTS AS SHOWN IN PLANTING PLANS.
 4 SEE SHEET 15 FOR CROSS-SECTIONS.



PROFILE
 SCALE: H1"=20' V1"=5'



- EXISTING STREAM
- ////// EXISTING FENCE
- - - - - CONTOUR
- OHWM
- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- PROPOSED FEATURE
- FILL EXISTING CHANNEL
- PERMANENT STREAM IMPACT
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- WETLAND BOUNDARY

**PLAN AND PROFILE
 STA 25+00 TO 30+00**

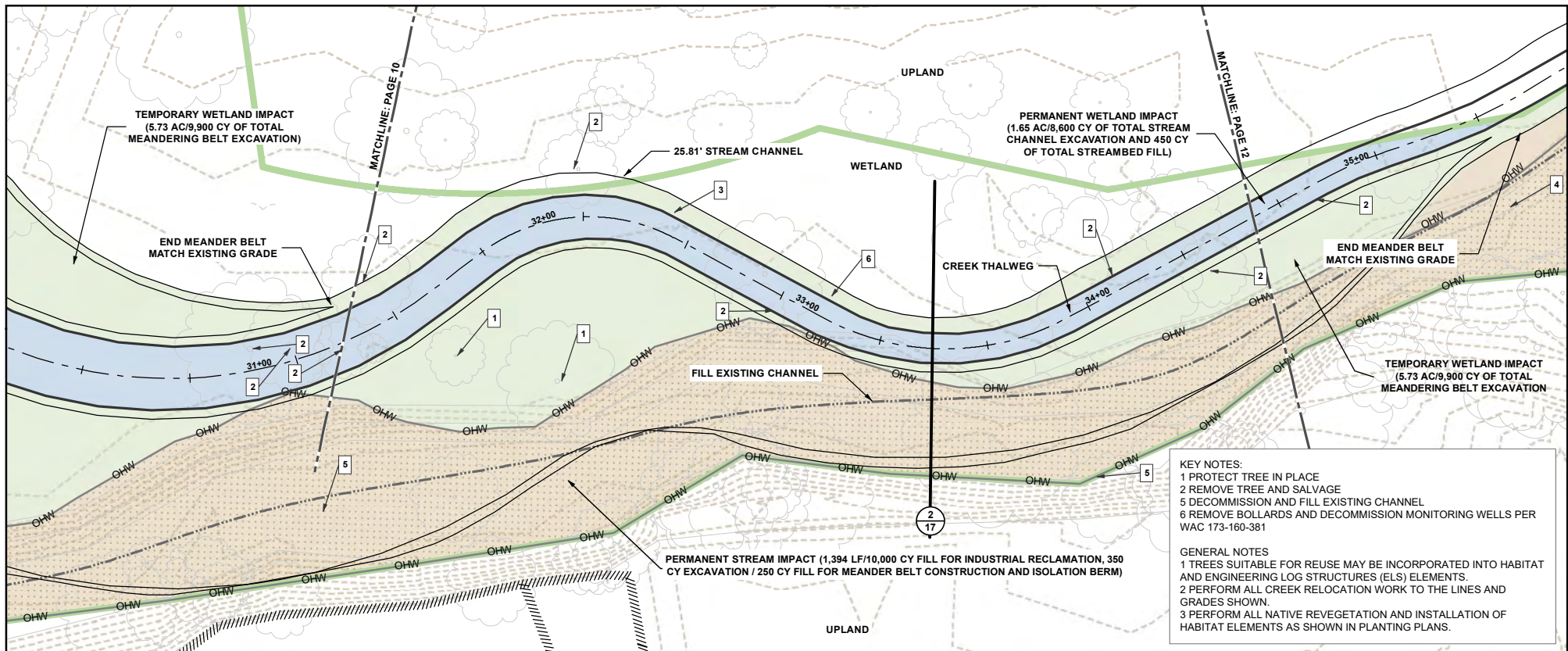
APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

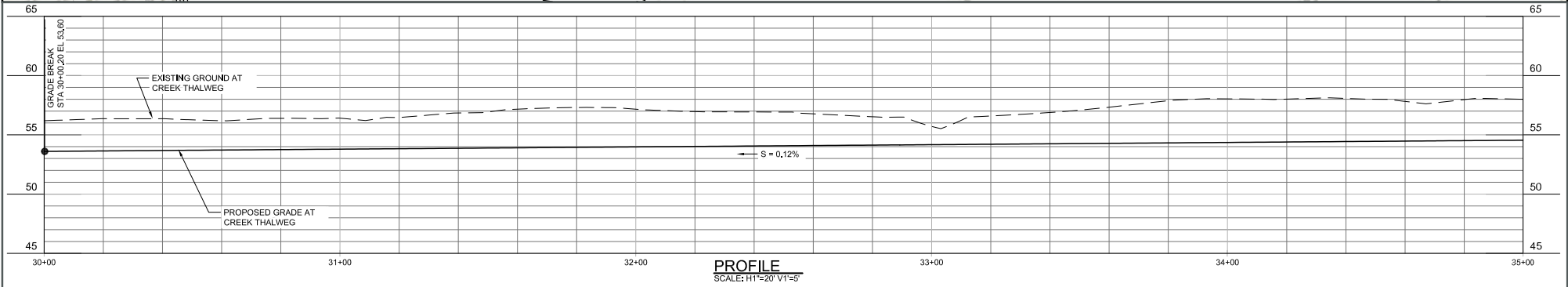
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 10 of 26
 DATE: 2/12/2021



KEY NOTES:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE
 5 DECOMMISSION AND FILL EXISTING CHANNEL
 6 REMOVE BOLLARDS AND DECOMMISSION MONITORING WELLS PER WAC 173-160-381

GENERAL NOTES
 1 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERING LOG STRUCTURES (ELS) ELEMENTS.
 2 PERFORM ALL CREEK RELOCATION WORK TO THE LINES AND GRADES SHOWN.
 3 PERFORM ALL NATIVE REVEGETATION AND INSTALLATION OF HABITAT ELEMENTS AS SHOWN IN PLANTING PLANS.



- | | | |
|-----------------------|----------------------------|----------------------------|
| ----- EXISTING STREAM | — PROPOSED MEANDER BELT | ■ PERMANENT STREAM IMPACT |
| ////// EXISTING FENCE | — PROPOSED STREAM CHANNEL | ■ PERMANENT WETLAND IMPACT |
| - - - - CONTOUR | — PROPOSED FEATURE | ■ TEMPORARY WETLAND IMPACT |
| — OHWM | ●●●● FILL EXISTING CHANNEL | □ WETLAND BOUNDARY |

**PLAN AND PROFILE
 STA 30+00 TO 35+00**

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

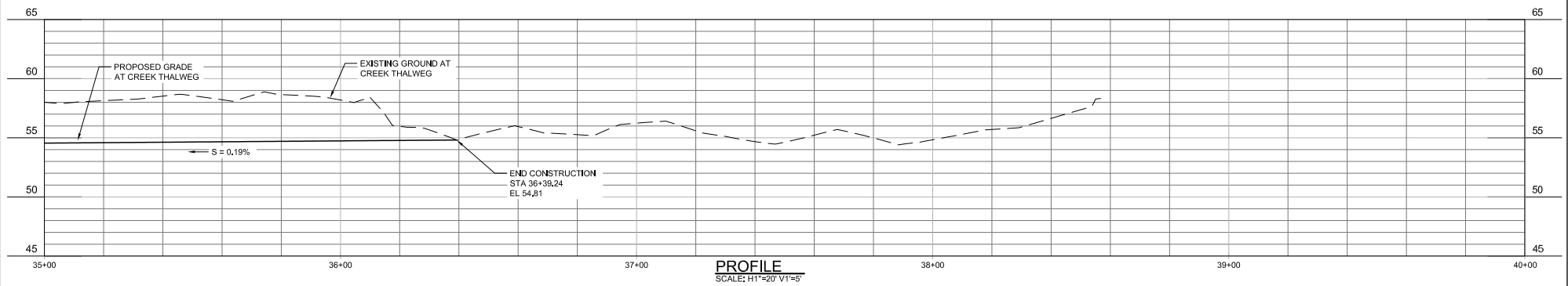
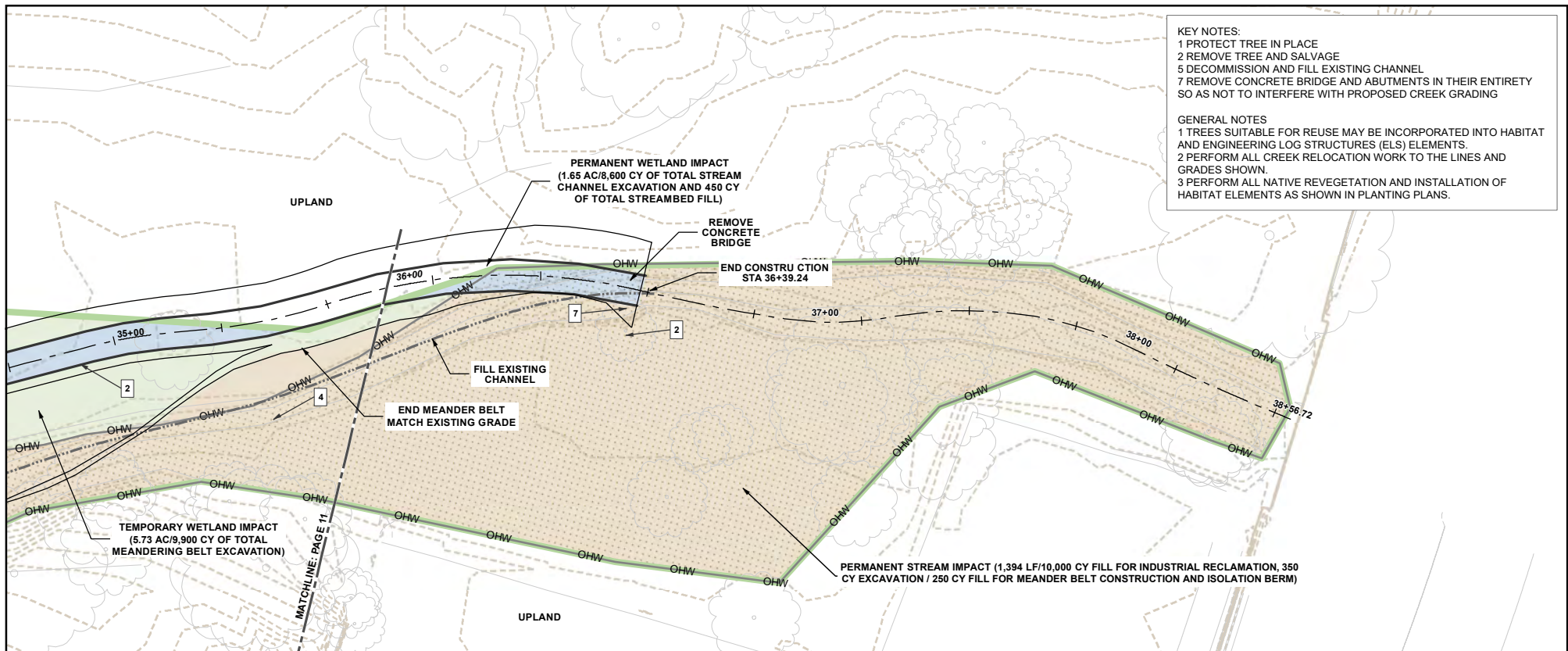
REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 11 of 26
 DATE: 2/12/2021

KEY NOTES:
 1 PROTECT TREE IN PLACE
 2 REMOVE TREE AND SALVAGE
 5 DECOMMISSION AND FILL EXISTING CHANNEL
 7 REMOVE CONCRETE BRIDGE AND ABUTMENTS IN THEIR ENTIRETY SO AS NOT TO INTERFERE WITH PROPOSED CREEK GRADING

GENERAL NOTES:
 1 TREES SUITABLE FOR REUSE MAY BE INCORPORATED INTO HABITAT AND ENGINEERING LOG STRUCTURES (ELS) ELEMENTS.
 2 PERFORM ALL CREEK RELOCATION WORK TO THE LINES AND GRADES SHOWN.
 3 PERFORM ALL NATIVE REVEGETATION AND INSTALLATION OF HABITAT ELEMENTS AS SHOWN IN PLANTING PLANS.



PROFILE
 SCALE: H1"=20' V1"=5'

- | | | |
|-----------------------|----------------------------|----------------------------|
| ----- EXISTING STREAM | — PROPOSED MEANDER BELT | ■ PERMANENT STREAM IMPACT |
| ////// EXISTING FENCE | — PROPOSED STREAM CHANNEL | ■ PERMANENT WETLAND IMPACT |
| - - - - CONTOUR | — PROPOSED FEATURE | ■ TEMPORARY WETLAND IMPACT |
| — OHWM | ●●●● FILL EXISTING CHANNEL | □ WETLAND BOUNDARY |

**PLAN AND PROFILE
 STA 35+00 TO 40+00**

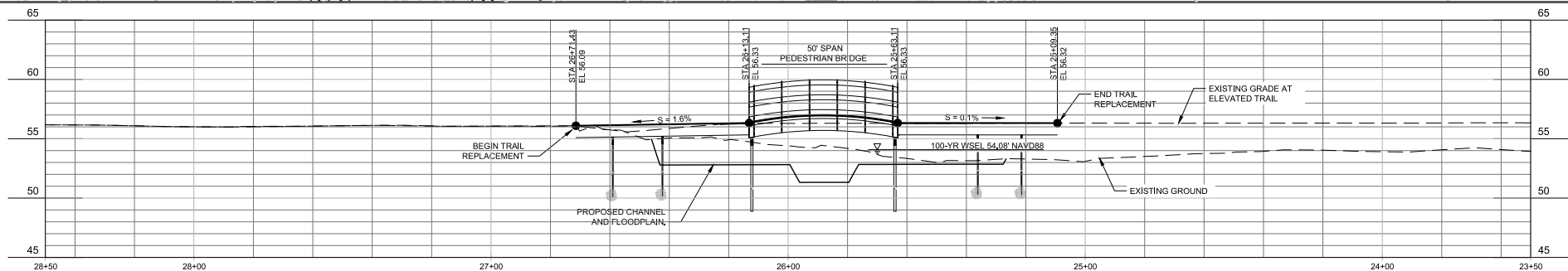
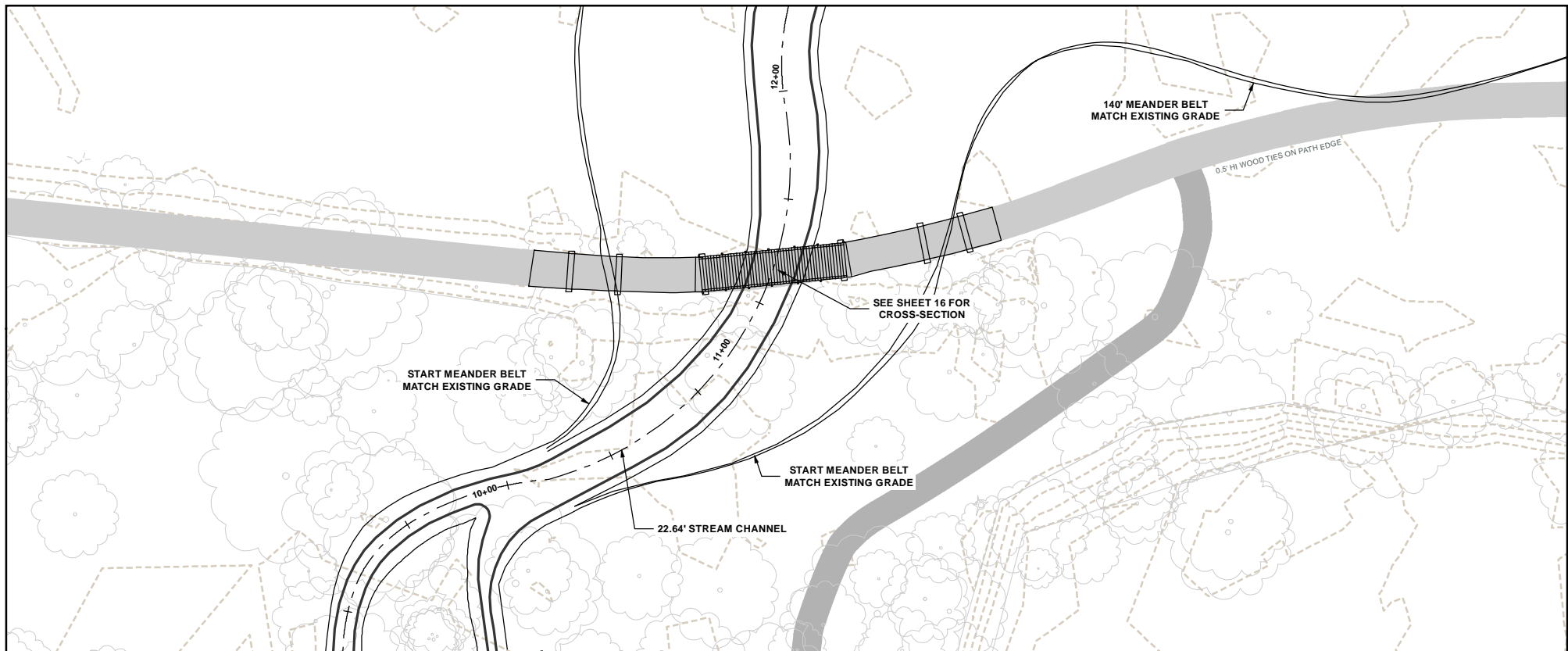
APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

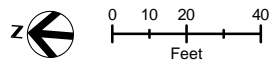
REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 12 of 26
 DATE: 2/12/2021



PROFILE - ALIGNMENT "A"
 SCALE: SCALE: H1"=20' V1"=5'



- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- - - - EXISTING STREAM
- - - - CONTOUR
- PROPOSED FEATURE
- EXISTING TRAIL
- FUTURE REGIONAL TRAIL

**STREAM CROSSING A
 PLAN AND PROFILE**

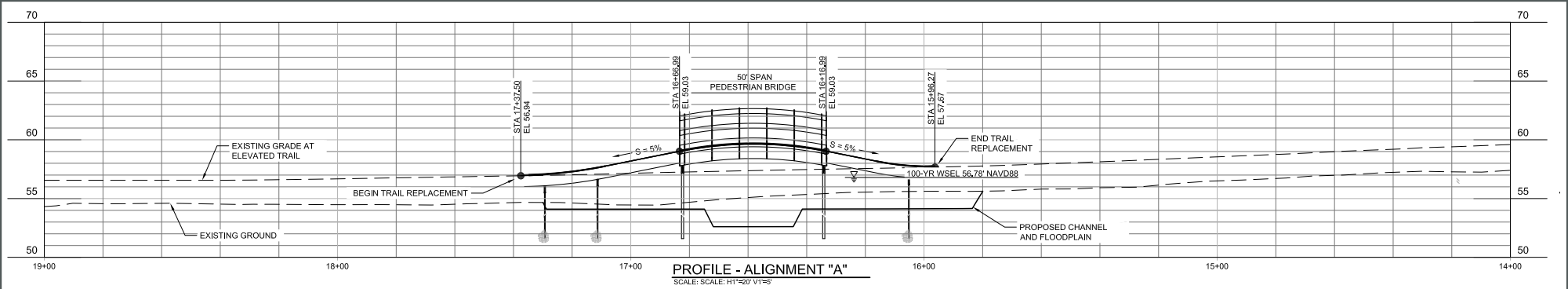
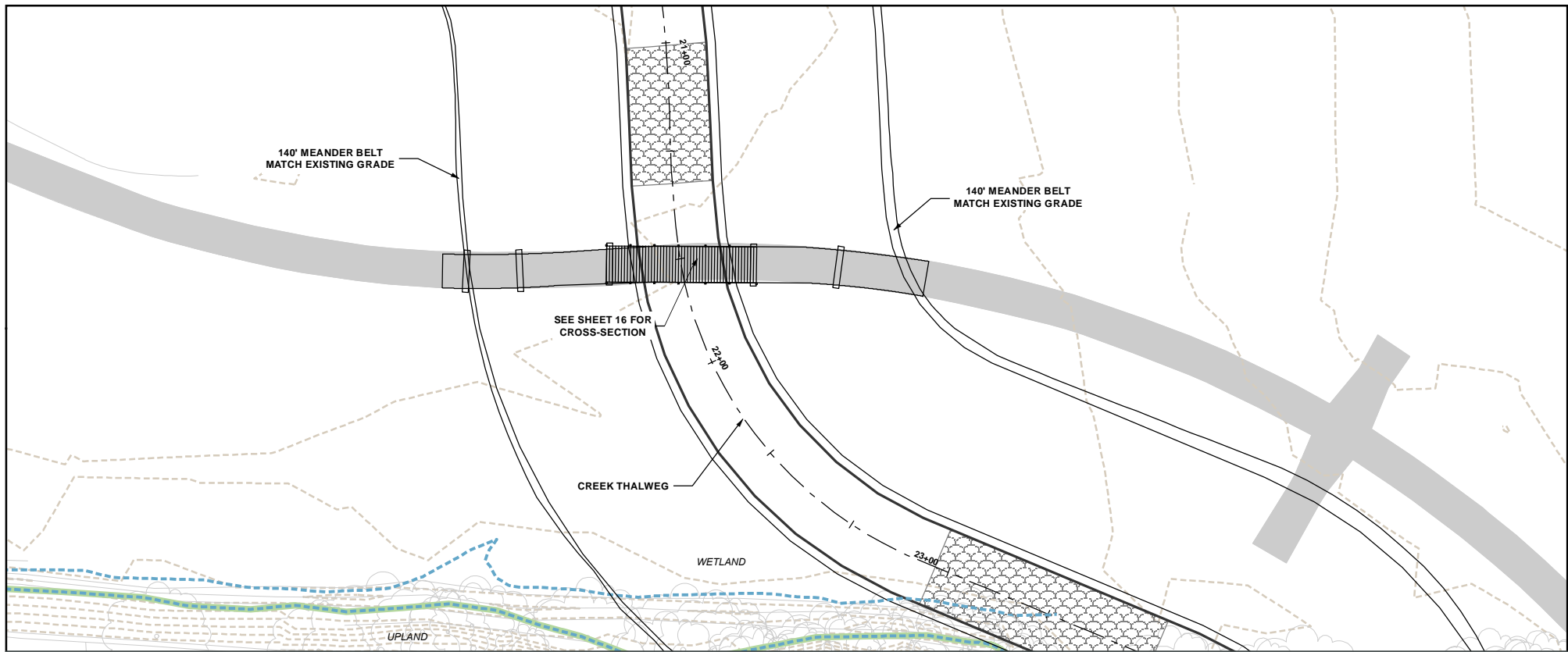
APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

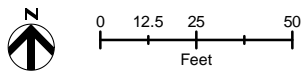
REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 13 of 26
 DATE: 2/12/2021



PROFILE - ALIGNMENT "A"
SCALE: SCALE: H1"=20' V1"=5'



- PROPOSED MEANDER BELT
- PROPOSED STREAM CHANNEL
- - - - EXISTING STREAM
- PROPOSED FEATURE
- - - - CONTOUR
- TRAIL
- - - - STREAM OHWM
- WETLAND BOUNDARY

STREAM CROSSING B PLAN AND PROFILE

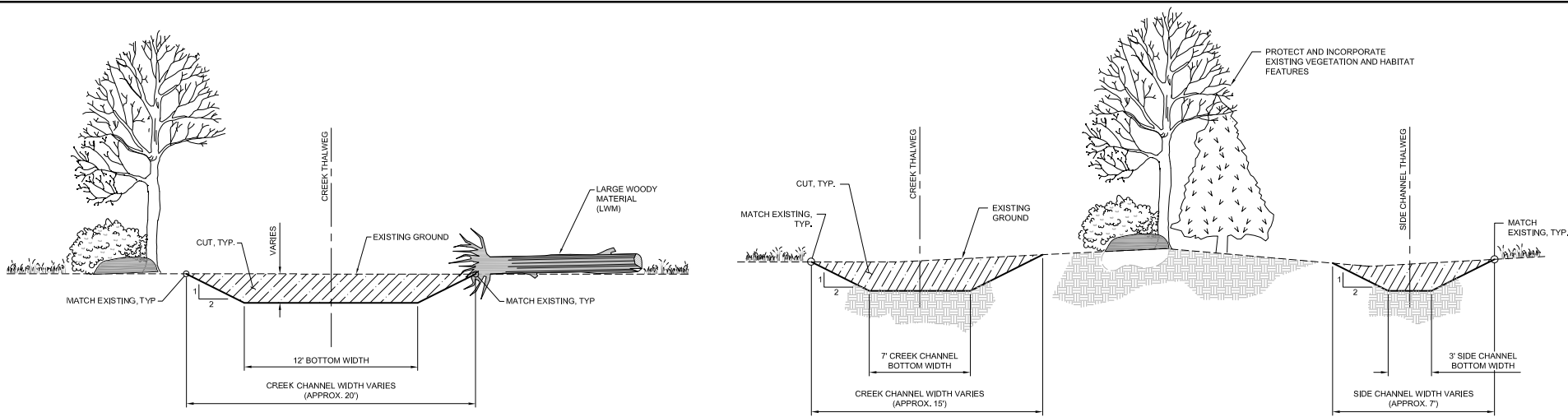
APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
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Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

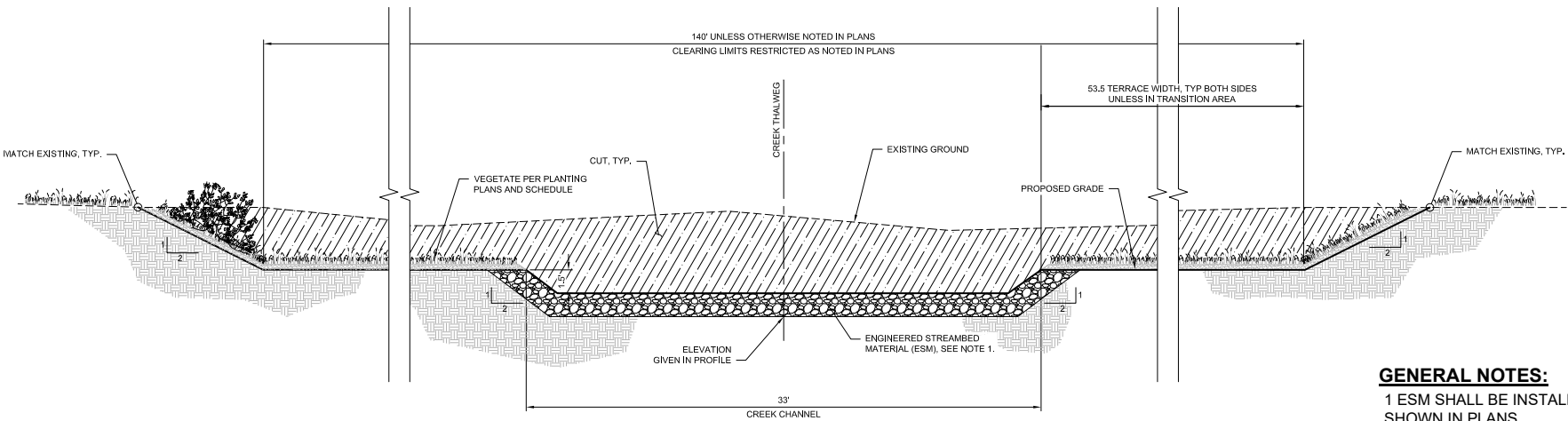
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 14 of 26
 DATE: 2/12/2021



FORESTED WETLAND TYPICAL CREEK SECTION 1
 SCALE: NO SCALE
 TYPICAL FOR STATIONS:
 "C" 0+10.22 TO 1+40.00
 "C" 3+86.67 TO 7+98.13
 Sheets 5 and 6

SIDE CHANNEL TYPICAL CREEK SECTION 3
 SCALE: NO SCALE
 TYPICAL FOR STATIONS:
 "C" 1+40.00 TO 3+66.67
 "C" 7+98.13 TO 10+22.89
 Sheets 5 and 6



TYPICAL CREEK SECTION 2
 SCALE: NO SCALE
 TYPICAL FOR STATIONS:
 "C" 10+22.89 TO 29+00
 Sheets 7, 8, 9, and 10

GENERAL NOTES:
 1 ESM SHALL BE INSTALLED AS SHOWN IN PLANS.

TYPICAL CREEK SECTIONS I

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

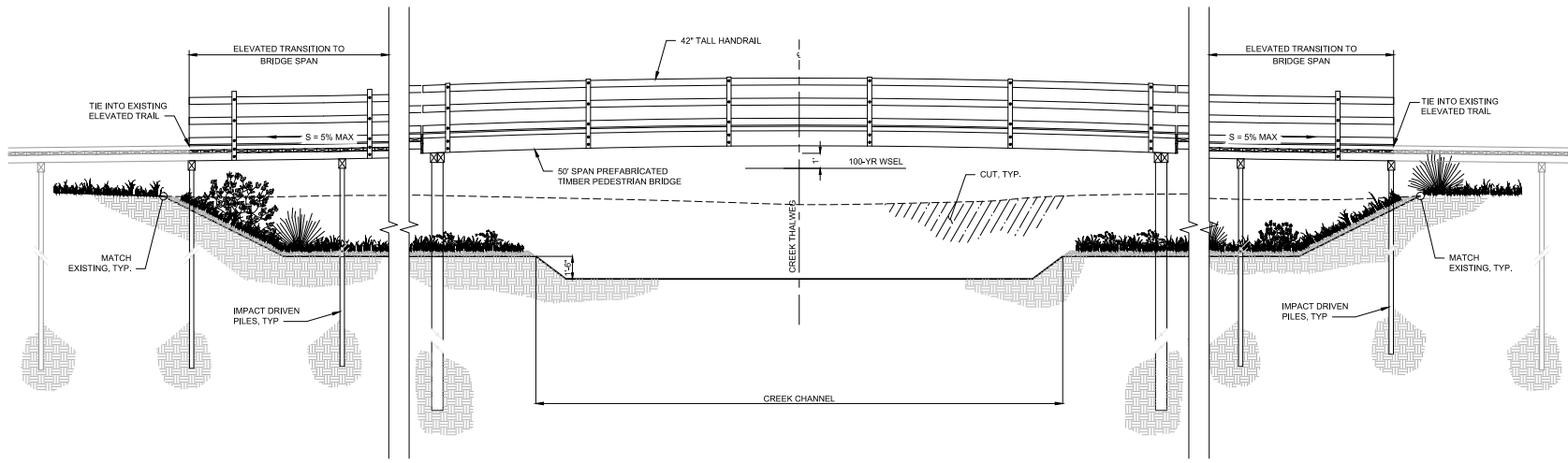
REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

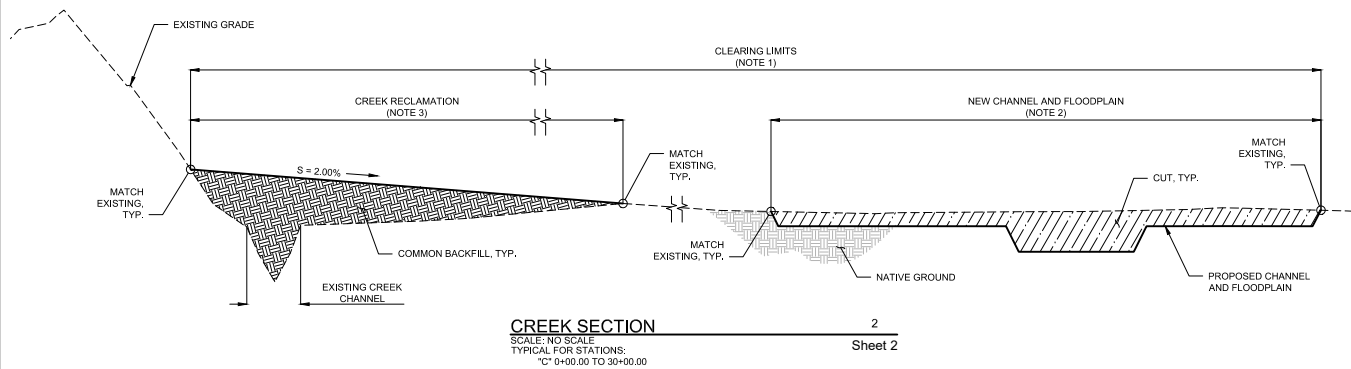
IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 15 of 26
 DATE: 2/12/2021

NOTES:

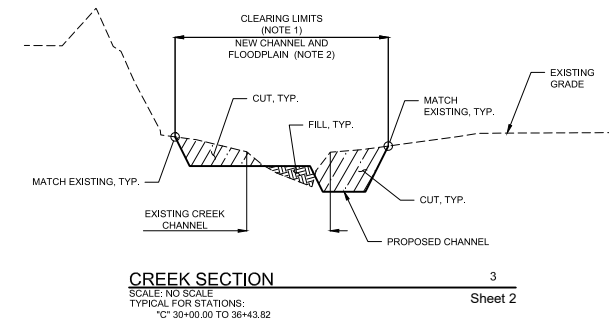
1. CLEARING LIMITS ARE PROVIDED FOR THE EXTENT OF THE PROJECT ON SHEETS TC01 AND TC02.
2. CONSTRUCT NEW CHANNEL AND FLOODPLAIN AS SHOWN IN TYPICAL SECTION 2 ON SHEET CV12.
3. CONSTRUCT CREEK RECLAMATION AREA AS DENOTED ON SHEET 01CV01 AND PER DETAIL 2 ON CV14.
4. PILE DIAMETER AND ANTICIPATED LENGTH TBD.



TYPICAL CREEK CROSSING SECTION 1
 SCALE: NO SCALE
 TYPICAL FOR CREEK CROSSINGS A AND B
 Sheets 13 and 14



CREEK SECTION 2
 SCALE: NO SCALE
 TYPICAL FOR STATIONS:
 'C' 9+00.00 TO 36+00.00
 Sheet 2



CREEK SECTION 3
 SCALE: NO SCALE
 TYPICAL FOR STATIONS:
 'C' 30+00.00 TO 36+43.82
 Sheet 2

TYPICAL CREEK SECTIONS II

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

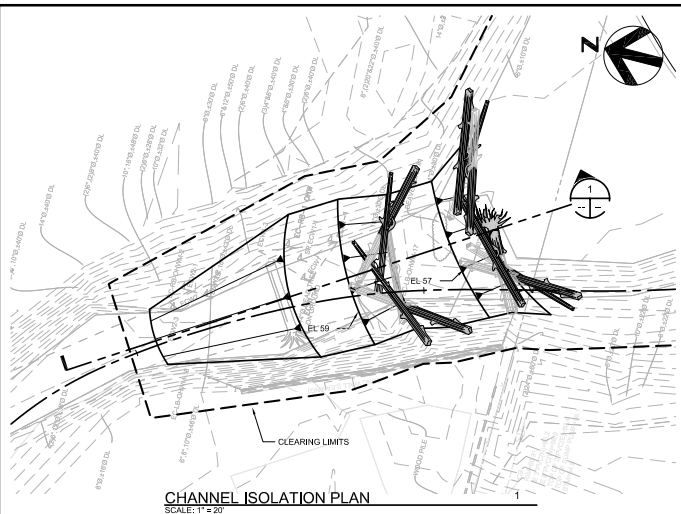
Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

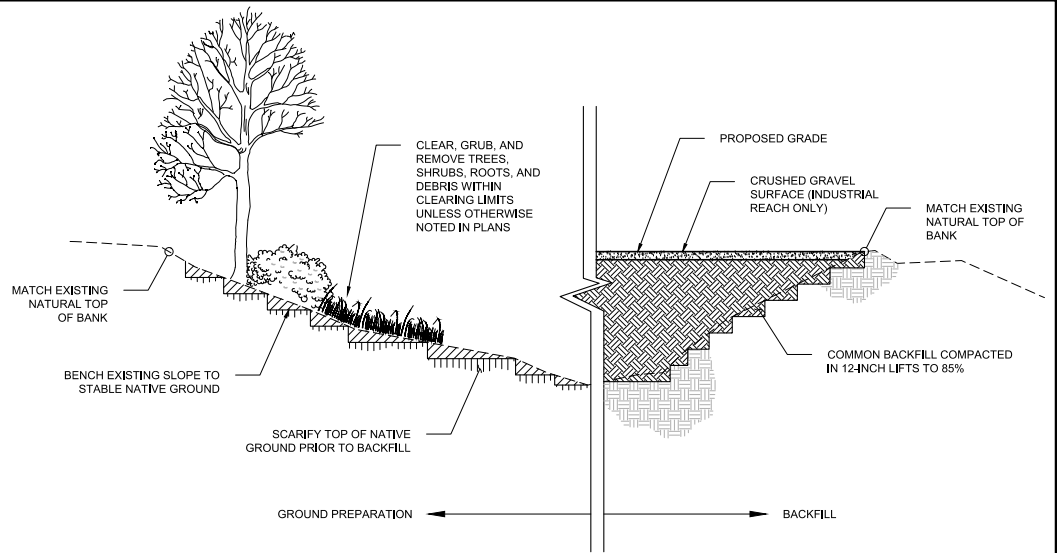
IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 16 of 26
 DATE: 2/12/2021

STATE: WA



CHANNEL ISOLATION PLAN

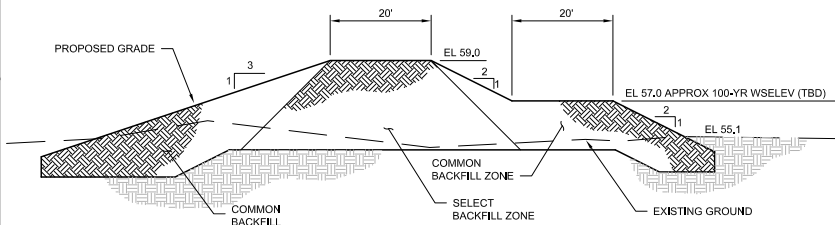
SCALE: 1" = 20'



TYPICAL CREEK FILL SECTION

SCALE: NO SCALE

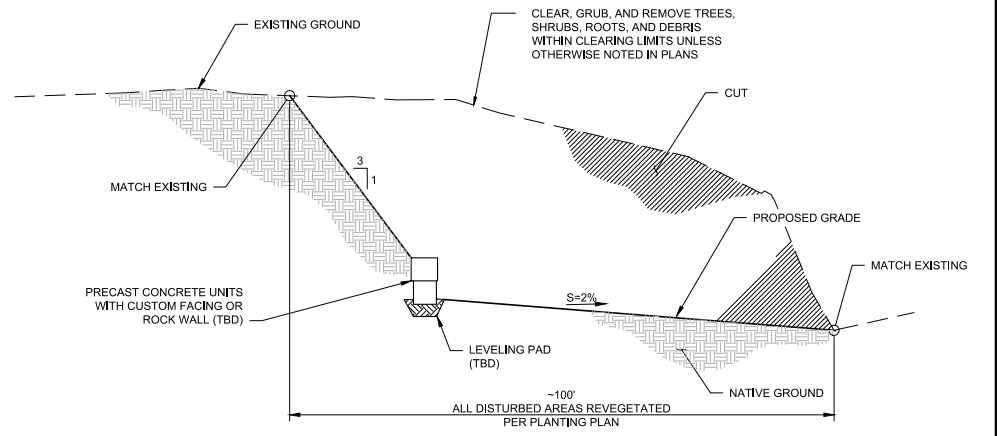
SHEET 2



CHANNEL ISOLATION SECTION

SCALE: NO SCALE

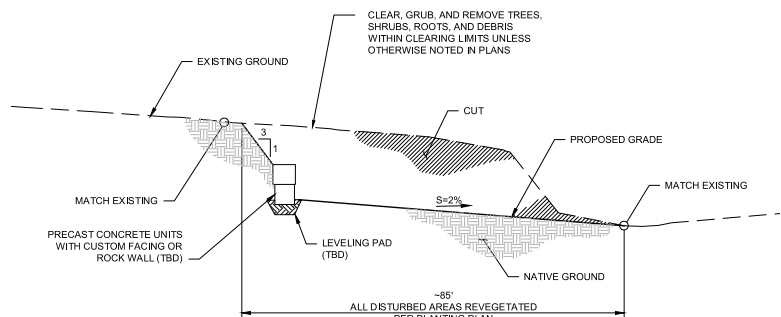
NOTE: ELS NOT SHOW FOR CLARITY



ENHANCED RIPARIAN BUFFER

SCALE: NO SCALE

SHEET 2 & 11



ENHANCED RIPARIAN BUFFER

SCALE: NO SCALE

SHEET 2

TYPICAL CREEK SECTIONS III

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

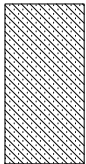
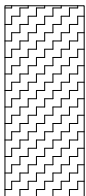




Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

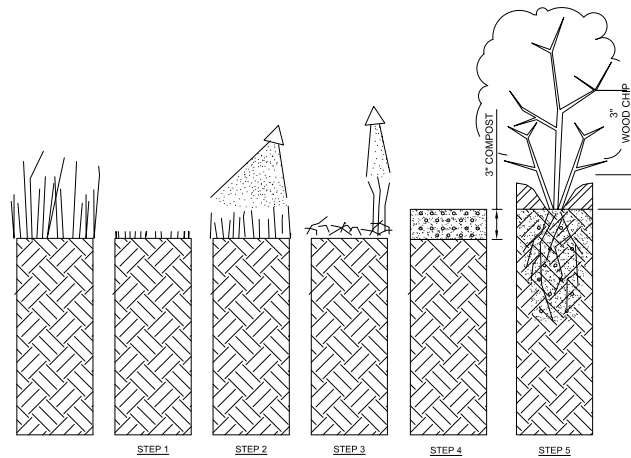
REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 17 of 26
 DATE: 2/12/2021

PLANTING SCHEDULE

RESTORATION MIX	COMMON NAME	BOTANTICAL NAME	PERCENTAGE OF MIX	SPACING	SIZE	COMMENTS
FORESTED WETLAND MIX A 	RED ALDER	ALNUS RUBRA	10%	12' O.C.	#1 CONT.	
	OREGON ASH	FRAXINUS LATIFOLIA	15%	12' O.C.	#2 CONT.	
	BLACK COTTONWOOD	POPULUS THRICHOCARPA	5%	12' O.C.	36" LIVE POLE	
	PACIFIC WILLOW	SALIX LASIANDRA	10%	8' O.C.	36" LIVE STAKE	
	SITKA WILLOW	SALIX SITCHENSIS	10%	3' O.C.	36" LIVE STAKE	
	SITKA SPRUCE	PICEA SITCHENSIS	5%	12' O.C.	#2 CONT.	
	RED-OSIER DOGWOOD	CORNUS SERICEA	15%	4' O.C.	#1 CONT.	
	TWINBERRY	LONICERA INVOLUCRATA	10%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	10%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	10%	4' O.C.	#1 CONT.	
FORESTED WETLAND MIX B 	RED ALDER	ALNUS RUBRA	10%	12' O.C.	#1 CONT.	
	OREGON ASH	FRAXINUS LATIFOLIA	15%	12' O.C.	#2 CONT.	
	BLACK COTTONWOOD	POPULUS THRICHOCARPA	10%	12' O.C.	36" LIVE POLE	
	PACIFIC WILLOW	SALIX LASIANDRA	10%	8' O.C.	36" LIVE STAKE	
	SITKA WILLOW	SALIX SITCHENSIS	10%	3' O.C.	36" LIVE STAKE	
	SITKA SPRUCE	PICEA SITCHENSIS	5%	12' O.C.	#2 CONT.	
	WESTERN REDCEDAR	THUJA PLICATA	5%	12' O.C.	#2 CONT.	
	WATER BIRCH	BETULA OCCIDENTALIS	10%	12' O.C.	#1 CONT.	
	SHORE PINE	PINUS CONTORTA	5%	12' O.C.	#2 CONT.	
	CASCARA	RHAMNUS PURSHIANA	10%	12' O.C.	#1 CONT.	
	RED-OSIER DOGWOOD	CORNUS SERICEA	5%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	5%	4' O.C.	#1 CONT.	
	SALMONBERRY	RUBUS SPECTABILIS	5%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	5%	4' O.C.	#1 CONT.	
SCRUB SHRUB WETLAND MIX 	RED-OSIER DOGWOOD	CORNUS SERICEA	25%	4' O.C.	#1 CONT.	
	TWINBERRY	LONICERA INVOLUCRATA	10%	4' O.C.	#1 CONT.	
	NINEBARK	PHYSOCARPUS CAPITATUS	10%	4' O.C.	#1 CONT.	
	PACIFIC WILLOW	SALIX LASIANDRA	25%	8' O.C.	36" LIVE STAKE	
	SALMONBERRY	RUBUS SPECTABILIS	20%	4' O.C.	#1 CONT.	
	PEAFRUIT ROSE	ROSA PISOCARPA	10%	4' O.C.	#1 CONT.	
STREAM BANK PLANTING MIX 	SITKA WILLOW	SALIX SITCHENSIS	30%	2' OC	36" LIVE STAKE	
	PACIFIC WILLOW	SALIX LASIANDRA	30%	2' OC	36" LIVE STAKE	
	REDOSIER DOGWOOD	CORNUS SERICEA	30%	2' OC	36" LIVE STAKE	
	NINEBARK	PHYSOCARPUS CAPITATUS	10%	4' OC	#1 CONT.	
	WET NATIVE SEED MIX					SEE SPECIFICATIONS FOR MIX & APPLICATION RATE
UPLAND FOREST MIX 	BIG LEAF MAPLE	ACERMACROPHYLLUM	15%	8' OC	#2 CONT.	
	RED ALDER	ALNUS RUBRA	10%	8' OC	#2 CONT.	
	DOUGLAS FIR	PSEUDOTSUGA MENZIESII	15%	8' OC	#2 CONT.	
	VINE MAPLE	ACERCIRCINATUM	15%	4' OC	#1 CONT.	
	BEAKED HAZELNUT	CORYLUS CORNUTA	10%	4' OC	#1 CONT.	
	COMMON SNOWBERRY	SYMPHORICARPOS ALBUS	10%	4' OC	#1 CONT.	
	OCEANSPRAY	HOLODISCUS DISCOLOR	15%	4' OC	#1 CONT.	
	NOOTKA ROSE	ROSA NUTKANA	10%	4' OC	#1 CONT.	
LOW GROW SEED MIX 	PERENNIAL RYE	LOLIUM PERENNE	75%			SEE SPECIFICATIONS FOR APPLICATION RATE
	RED FESCUE	FESTUCA RUORA	20%			
	WHITE DUTCH CLOVER	TRIFOLIUM REPENS	5%			



NOTES:

- THIS SEQUENCE OF WORK SHALL APPLY TO ALL PLANTING AREAS.
- THIS DETAIL FOR ORDER OF WORK ONLY. WEED CONTROL IN PLANTING AREAS SHALL BE IN ACCORDANCE WITH WSDOT STD SPEC SECTION 8-02.3(3).
- BARK OR WOOD CHIP MULCH SHALL BE APPLIED TO ALL AREAS EXCEPT CREEK BANK PLANTING MIX AREAS, REFER TO SPECIAL PROVISIONS.

PLANTING AREA PREPARATION
(SEE GENERAL RESTORATION PLANTING NOTES)

STEP 1
APRIL 15 TO JUNE 30: CUT NOXIOUS AND UNWANTED VEGETATION TO THE GROUND AND REMOVE DEBRIS FROM SITE

STEP 2
AFTER A MINIMUM OF 12" OF RE-GROWTH, OR A MINIMUM OF ONE MONTH SPRAY REGROWTH WITH HERBICIDE

STEP 3
FOLLOWING A MINIMUM OF SIX WEEKS BUT NOT LATER THAN SEPTEMBER 15, SPOT-SPRAY RE-GROWTH WITH HERBICIDE

STEP 4
2 WEEKS MINIMUM POST SPOT-SPRAYING PLACE 3" DEPTH MEDIUM COMPOST ACCORDING TO STD SPEC SECTION 8-02.3(6)

STEP 5
POCKET PLANT PLANTING MATERIAL THROUGH COMPOST AND INSTALL 3" DEPTH BARK OR WOOD CHIP MULCH ACCORDING TO STD SPEC SECTION 8-02.3(11) AND THE PLANTING DETAILS. SEE NOTE 3.

NOTES:

- ALL RESTORATION WORK ELEMENTS SHALL COMPLY WITH CITY OF REDMOND AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATION FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (2020 EDITION).
- ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK STANDARDS FOR PLANT MATERIAL, CURRENT EDITION.
- SEE SPECIFICATIONS FOR ADDITIONAL PLANTING AREA PREPARATION AND WEED CONTROL REQUIREMENTS. HERBICIDE APPLICATION SHALL MEET LOCAL AND STATE CODES.
- IMPORTED TOPSOILS SHALL MEET THE SPECIFICATIONS OF TOPSOIL TYPE B.

PLANTING SCHEDULE, NOTES AND DETAILS

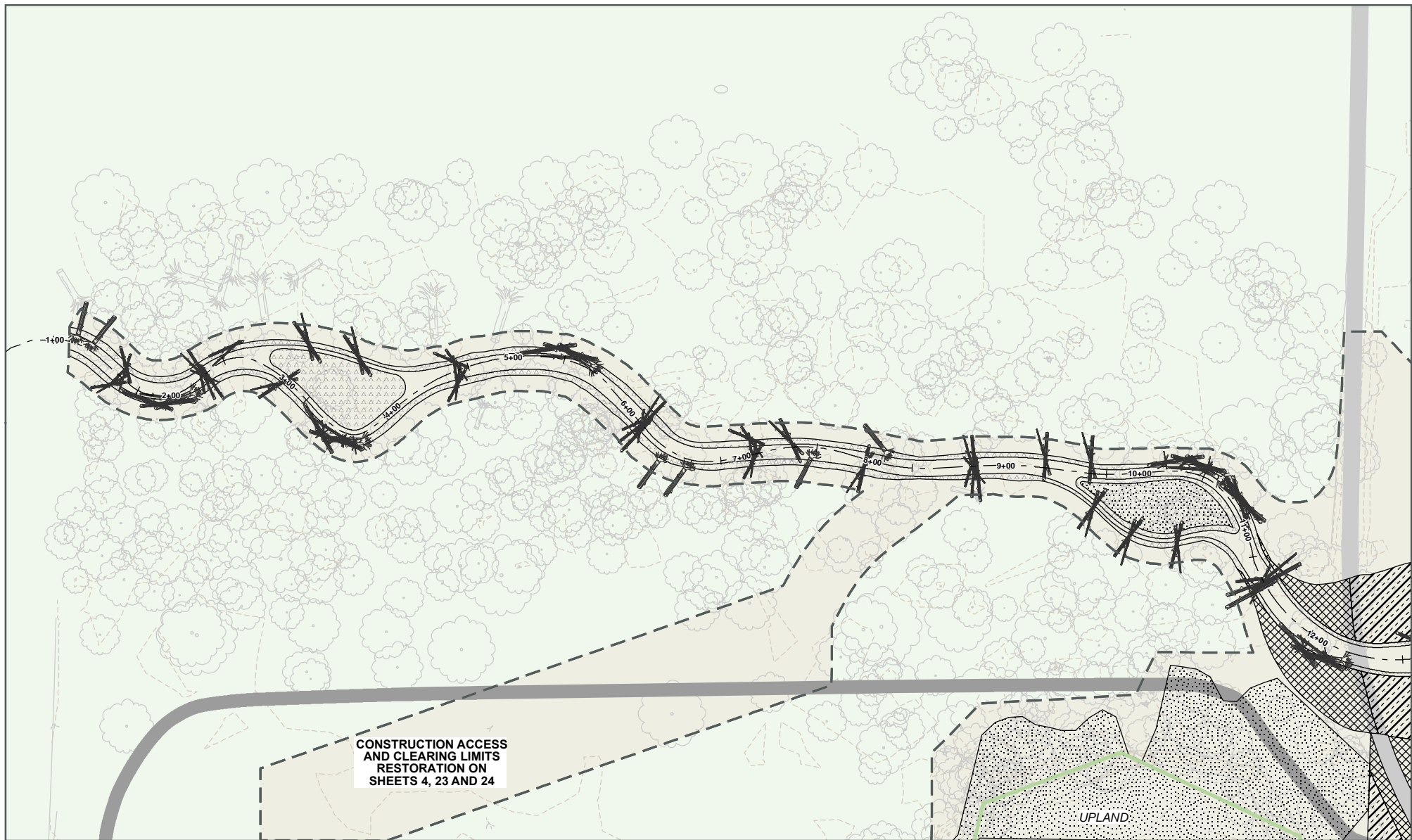
APPLICANT: City of Redmond
DATUM: North American Datum 1983
ADJACENT PROPERTY OWNERS:
See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
LAT/LONG: Latitude: 47.6794666 N
Longitude: -122.0834067 W

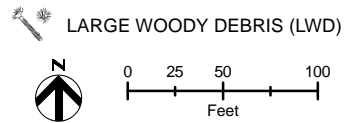
PROPOSED PROJECT:
Evans Creek Relocation

IN: T25N/R06E/Sec 6
NEAR/AT: City of Redmond
COUNTY: King STATE: WA
SHEET: 18 of 26
DATE: 2/12/2021



CONSTRUCTION ACCESS
AND CLEARING LIMITS
RESTORATION ON
SHEETS 4, 23 AND 24

UPLAND



- | | | |
|--|--|-----------------------|
| FORESTED WETLAND MIX A (4.27 ACRES/ 185,937.34 SF) | SCRUB SHRUB WETLAND MIX (2.55 ACRES/ 111,137.10 SF) | CLEARING LIMITS |
| FORESTED WETLAND MIX B (0.73 ACRES/ 31,766.23 SF) | STREAM BANK PLANTING MIX (0.78 ACRES/ 37,8113.78 SF) | EXISTING TRAIL |
| | | FUTURE REGIONAL TRAIL |
| | | WETLAND BOUNDARY |

PLANTING PLAN STA 1+00 TO 12+00

APPLICANT: City of Redmond
DATUM: North American Datum 1983
ADJACENT PROPERTY OWNERS:
See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
LAT/LONG: Latitude: 47.6794666 N
Longitude: -122.0834067 W

PROPOSED PROJECT:
Evans Creek Relocation

IN: T25N/R06E/Sec 6
NEAR/AT: City of Redmond
COUNTY: King STATE: WA
SHEET: 19 of 26
DATE: 2/12/2021



LARGE WOODY DEBRIS (LWD)

FORESTED WETLAND MIX A (4.27 ACRES/ 185,937.34 SF)

STREAM BANK PLANTING MIX (0.78 ACRES/ 37,8113.78 SF)

CLEARING LIMITS

FORESTED WETLAND MIX B (0.73 ACRES/ 31,766.23 SF)

UPLAND FOREST MIX (0.41 ACRES/ 17,826.66 SF)

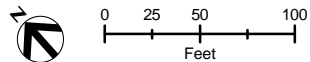
EXISTING TRAIL

SCRUB SHRUB WETLAND MIX (2.55 ACRES/ 111,137.10 SF)

FUTURE REGIONAL TRAIL

WETLAND BOUNDARY

PLANTING PLAN STA 10+00 TO 22+00



APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

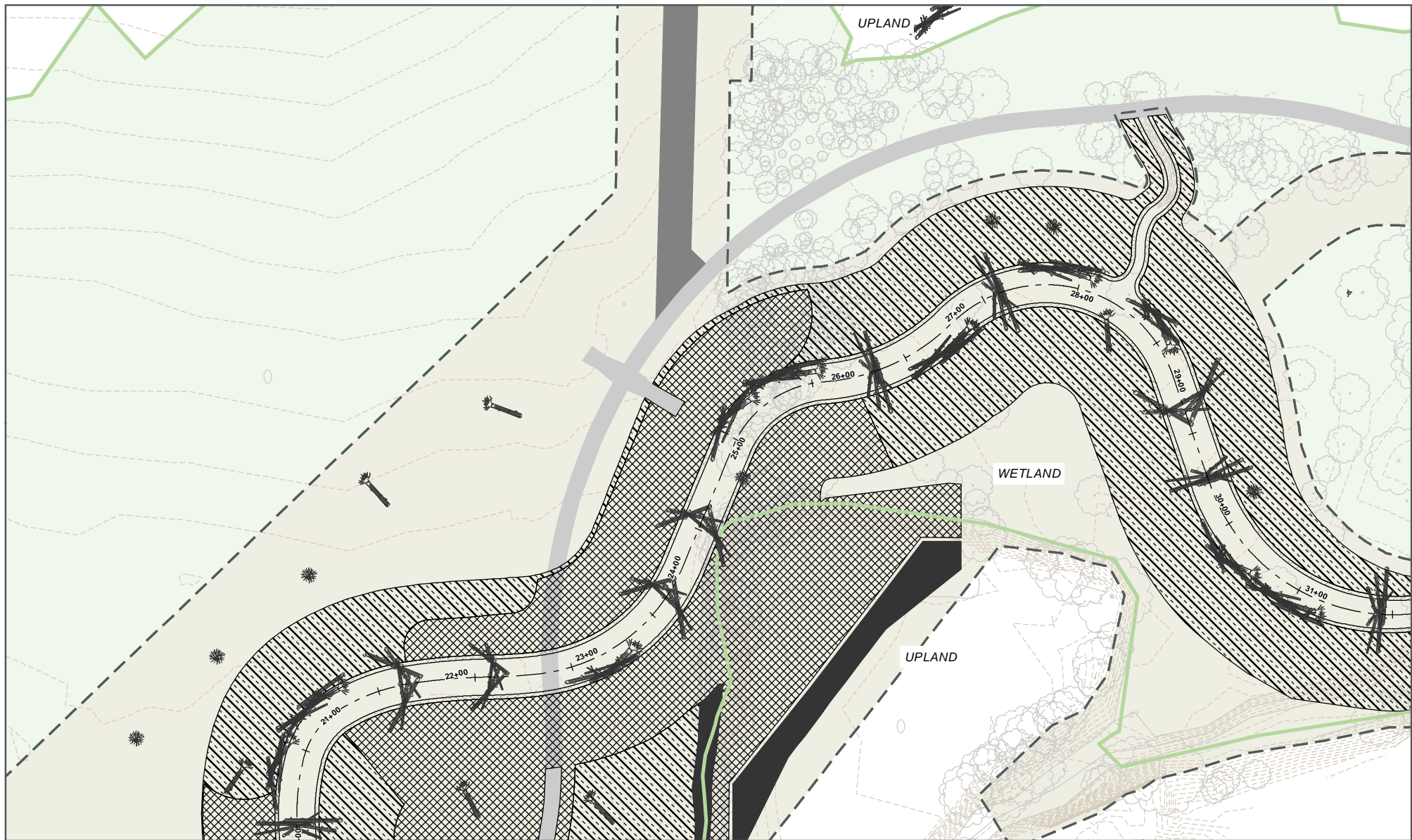
Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 20 of 26
 DATE: 2/12/2021


STATE: WA




 LARGE WOODY DEBRIS (LWD)





0 25 50 100
Feet

 FORESTED WETLAND MIX A (4.27 ACRES/ 185,937.34 SF)

 SCRUB SHRUB WETLAND MIX (2.55 ACRES/ 111,137.10 SF)


 STREAM BANK PLANTING MIX (0.78 ACRES/ 37,8113.78 SF)

 LOW GROW SEED MIX (0.26 ACRES/ 11,518.35 SF)

 UPLAND FOREST MIX (0.41 ACRES/ 17,826.66 SF)

 CLEARING LIMITS

 EXISTING TRAIL

 WETLAND BOUNDARY

PLANTING PLAN STA 20+00 TO 31+00

APPLICANT: City of Redmond
DATUM: North American Datum 1983
ADJACENT PROPERTY OWNERS:
See JARPA Attachment C for full list of property owners

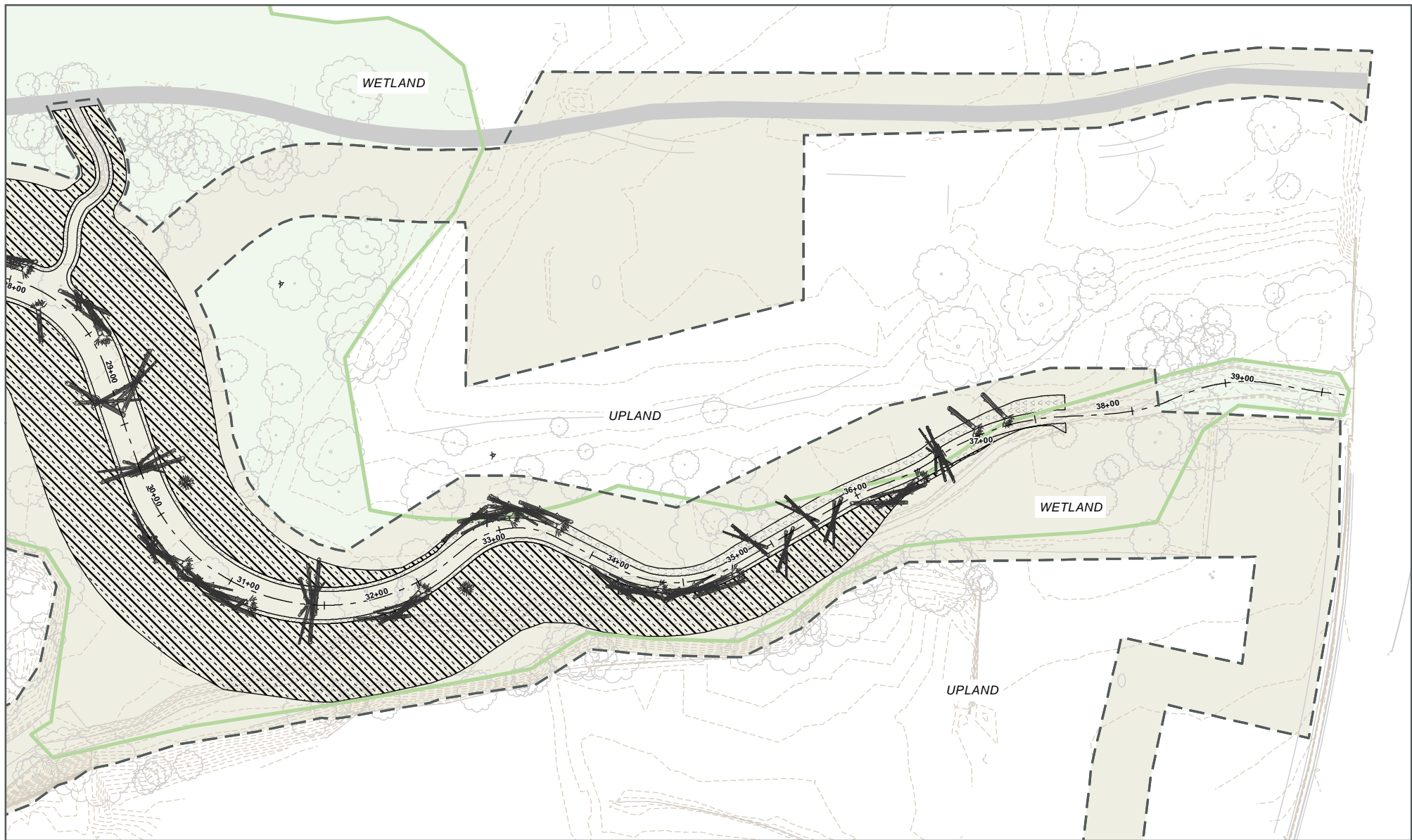
Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
LAT/LONG: Latitude: 47.6794666 N
Longitude: -122.0834067 W

PROPOSED PROJECT:
Evans Creek Relocation

IN: T25N/R06E/Sec 6
NEAR/AT: City of Redmond
COUNTY: King
SHEET: 21 of 26
DATE: 2/12/2021

STATE: WA



LARGE WOODY DEBRIS (LWD)

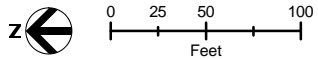
FORESTED WETLAND MIX A (4.27 ACRES/ 185,937.34 SF)

STREAM BANK PLANTING MIX (0.78 ACRES/ 37,8113.78 SF)

CLEARING LIMITS

EXISTING TRAIL

WETLAND BOUNDARY



PLANTING PLAN STA 28+00 TO 40+00

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 22 of 26
 DATE: 2/12/2021

STATE: WA



- FORESTED WETLAND MIX A
- UPLAND FOREST MIX
- LOW GROW SEED MIX
- SCRUB SHRUB WETLAND MIX

CONSTRUCTION ACCESS AND PROPERTY

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

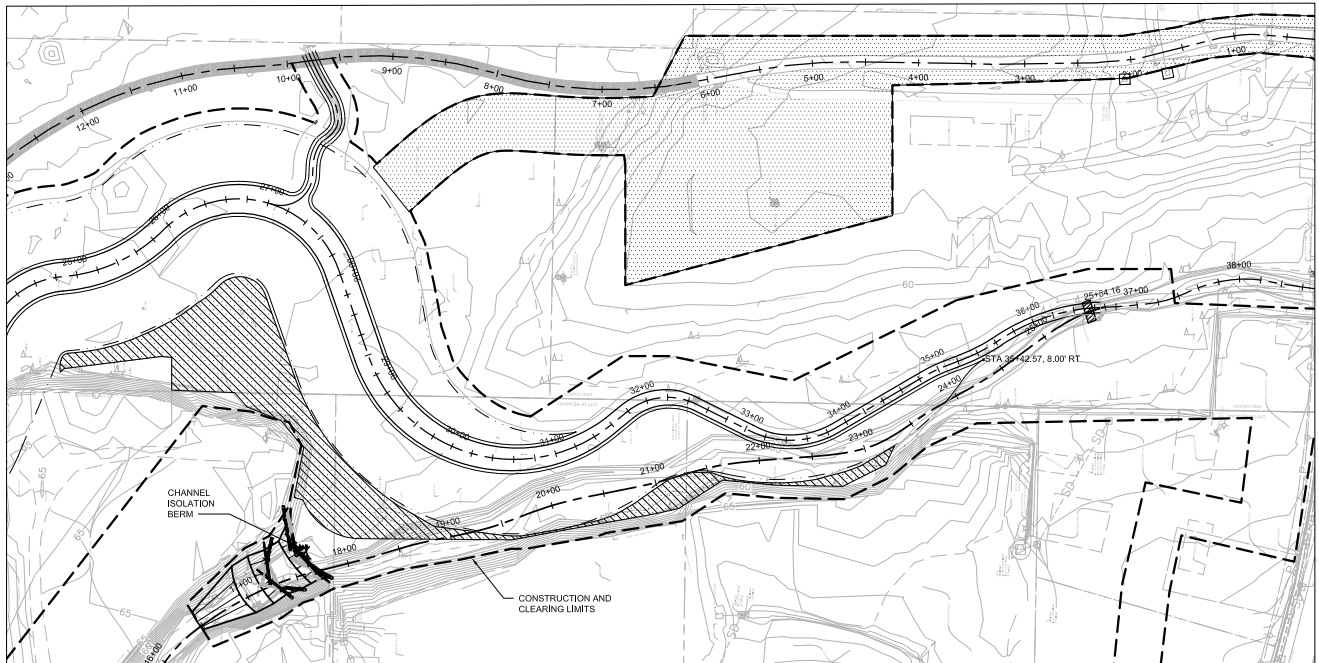
Relocate stream channel of Evans Creek away from industrial uses and into
 open space/forested riparian habitat, along with other habitat
 and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

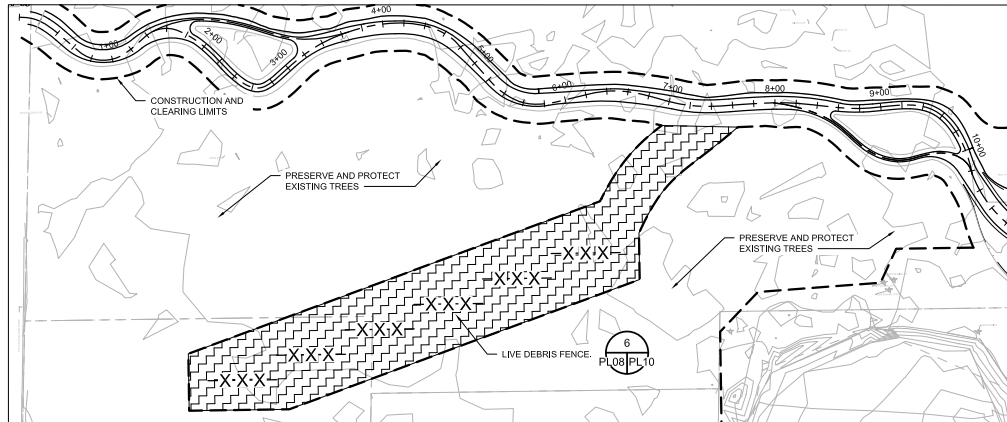
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 23 of 26
 DATE: 2/12/2021

STATE: WA



PLANTING PLAN STA 25+00 TO 37+00



PLANTING PLAN STA 0+00 TO 10+00

- FORESTED WETLAND MIX A
- LOW GROW SEED MIX
- SCRUB SHRUB WETLAND MIX
- UPLAND FOREST MIX

**PLANTING PLAN II
CONSTRUCTION ACCESS
AND PROPERTY**

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

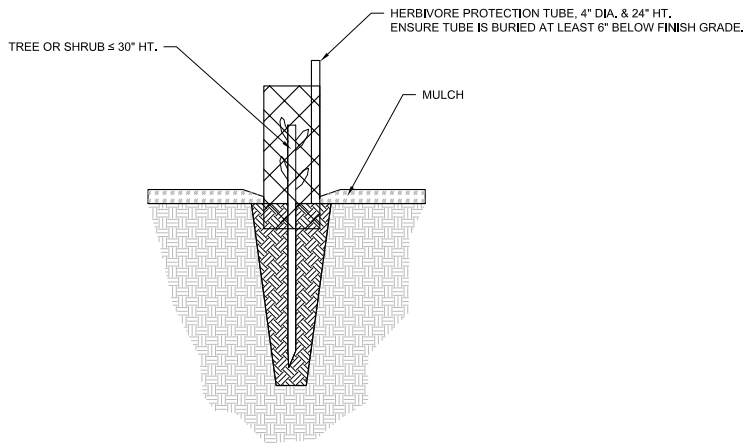
Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

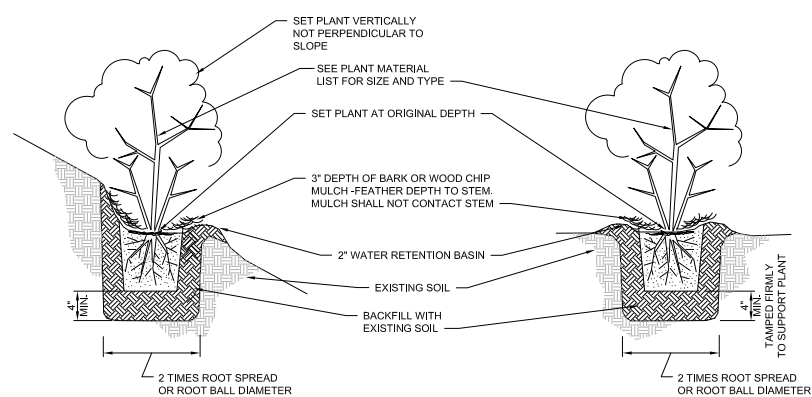
PROPOSED PROJECT:
 Evans Creek Relocation

IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 24 of 26
 DATE: 2/12/2021

STATE: WA



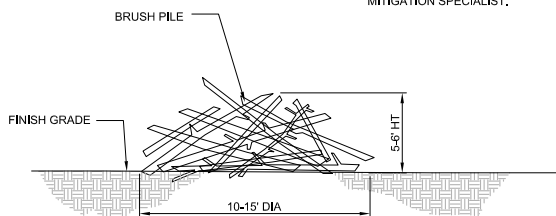
DETAIL 1
HERBIVORE PROTECTION TUBE
SCALE: NO SCALE



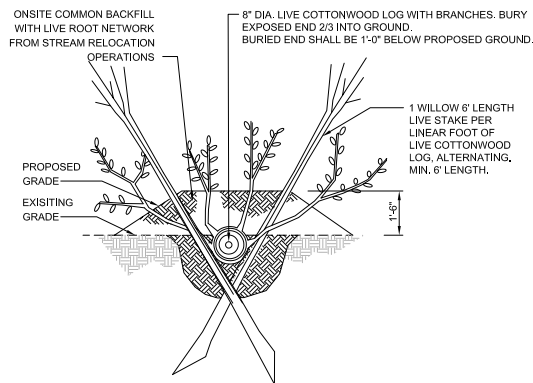
*NOTE: BARK OR WOOD CHIP MULCH SHALL BE PLACED IN 12" RADIUS AROUND EACH PLANT.

DETAIL 4
TREE AND SHRUB PLANTING
SCALE: NO SCALE

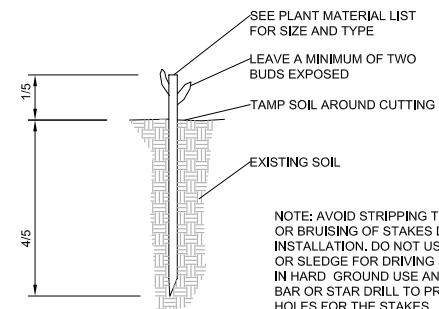
- NOTES:**
- BRUSH PILE CONSTRUCTED FROM TREES AND BRUSH SALVAGED DURING DEMOLITION.
 - DO NOT REMOVE BARK.
 - DO NOT TREAT WITH PRESERVATIVES, STAINS, OR CHEMICAL TREATMENTS.
 - SEE PLANTING PLAN FOR APPROX. LOCATIONS. FINAL LOCATION TO BE APPROVED BY WETLAND MITIGATION SPECIALIST.



DETAIL 5
BRUSH PILE
SCALE: NO SCALE



DETAIL 6
LIVE DEBRIS FENCE
SCALE: NO SCALE



DETAIL 7
LIVE STAKE INSTALLATION
SCALE: NO SCALE

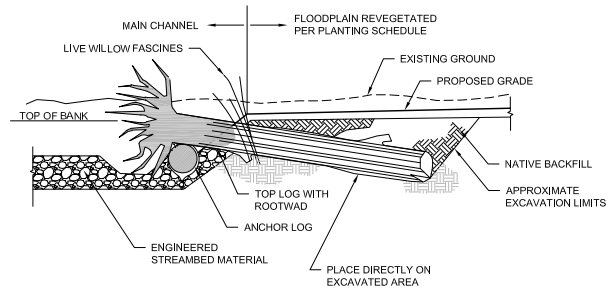
PLANTING AND HABITAT DETAILS (1)

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

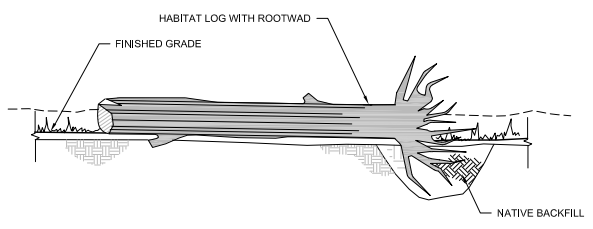
Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements
 REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation

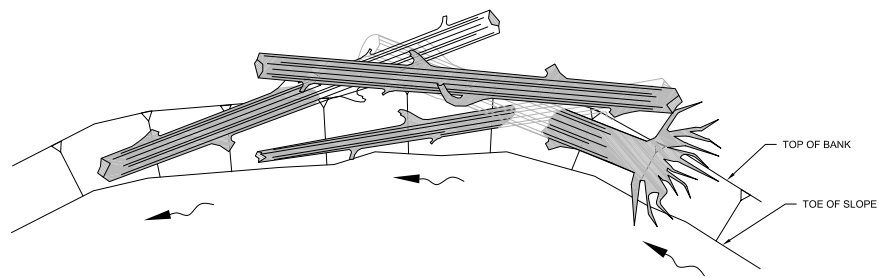
IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King STATE: WA
 SHEET: 25 of 26
 DATE: 2/12/2021



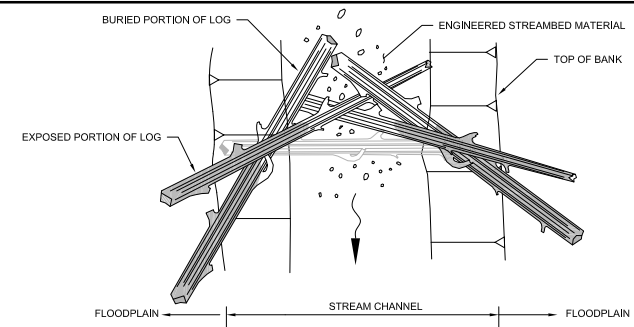
DETAIL
SINGLE OR DOUBLE INSTREAM ROOT WAD STRUCTURE
SCALE: NO SCALE



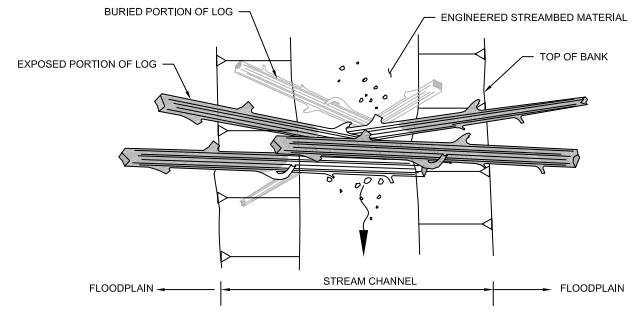
DETAIL
HABITAT LOG STRUCTURE
SCALE: NO SCALE



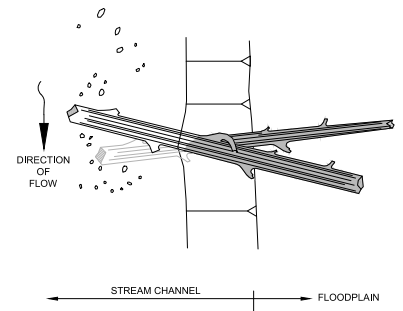
PLAN
ENGINEERED LOG STRUCTURE TYPE "C"
SCALE: NO SCALE



PLAN
ENGINEERED LOG STRUCTURE TYPE "A"
SCALE: NO SCALE



PLAN
ENGINEERED LOG STRUCTURE TYPE "B"
SCALE: NO SCALE



PLAN
ENGINEERED LOG STRUCTURE TYPE "D"
SCALE: NO SCALE

PLANTING AND HABITAT DETAILS (2)

APPLICANT: City of Redmond
 DATUM: North American Datum 1983
 ADJACENT PROPERTY OWNERS:
 See JARPA Attachment C for full list of property owners

Relocate stream channel of Evans Creek away from industrial uses and into open space/forested riparian habitat, along with other habitat and riparian improvements

REFERENCE #: NWS-2020-124
 LAT/LONG: Latitude: 47.6794666 N
 Longitude: -122.0834067 W

PROPOSED PROJECT:
 Evans Creek Relocation
 IN: T25N/R06E/Sec 6
 NEAR/AT: City of Redmond
 COUNTY: King
 SHEET: 26 of 26
 DATE: 2/12/2021

STATE: WA