



# WASHINGTON STATE

## Joint Aquatic Resources Permit Application (JARPA) Form<sup>1,2</sup> [\[help\]](#)

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps of Engineers®  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

### Part 1—Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [\[help\]](#)

Willows Road Culvert Replacement

### Part 2—Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)

Emily Flanagan

2b. Organization (If applicable)

City of Redmond

2c. Mailing Address (Street or PO Box)

15670 NE 85th St. MS: 2NPW |

2d. City, State, Zip

Redmond, WA 98073

2e. Phone (1)

425.556.2707

2f. Phone (2)

2g. Fax

2h. E-mail

eflanagan@redmond.gov

<sup>1</sup>Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

<sup>2</sup>To access an online JARPA form with [\[help\]](#) screens, go to

[http://www.epermitting.wa.gov/site/alias\\_resourcecenter/jarpa\\_jarpa\\_form/9984/jarpa\\_form.aspx](http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx).

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).

### Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

<b>3a.</b> Name (Last, First, Middle)			
<b>3b.</b> Organization (If applicable)			
<b>3c.</b> Mailing Address (Street or PO Box)			
<b>3d.</b> City, State, Zip			
<b>3e.</b> Phone (1)	<b>3f.</b> Phone (2)	<b>3g.</b> Fax	<b>3h.</b> E-mail

### Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

<b>4a.</b> Name (Last, First, Middle)			
<b>4b.</b> Organization (If applicable)			
<b>4c.</b> Mailing Address (Street or PO Box)			
<b>4d.</b> City, State, Zip			
<b>4e.</b> Phone (1)	<b>4f.</b> Phone (2)	<b>4g.</b> Fax	<b>4h.</b> E-mail

## Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

<b>5a.</b> Indicate the type of ownership of the property. (Check all that apply.) <a href="#">[help]</a>			
<input type="checkbox"/> Private <input type="checkbox"/> Federal <input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete <a href="#">JARPA Attachment E</a> )			
<b>5b.</b> Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) <a href="#">[help]</a>			
NE 91 <sup>st</sup> Street			
<b>5c.</b> City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) <a href="#">[help]</a>			
Redmond, WA, 98052			
<b>5d.</b> County <a href="#">[help]</a>			
King			
<b>5e.</b> Provide the section, township, and range for the project location. <a href="#">[help]</a>			
¼ Section	Section	Township	Range
NE	3	25N	5E
<b>5f.</b> Provide the latitude and longitude of the project location. <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)</li> </ul>			
Willows Creek 47.6863, -122.1465			
<b>5g.</b> List the tax parcel number(s) for the project location. <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>The local county assessor's office can provide this information.</li> </ul>			
Public ROW, 032505-9258. The City has easements to access private property and complete the project.			
<b>5h.</b> Contact information for all adjoining property owners. (If you need more space, use <a href="#">JARPA Attachment C.</a> ) <a href="#">[help]</a>			
Name	Mailing Address		Tax Parcel # (if known)
Wakefield Redmond West LLC	9521 Willows Rd		032505-9258
	Redmond, WA 98052		
Green Star Properties LLC	9461 Willows Rd		032505-9259
	Redmond, WA 98052		
Kelly Patrick JJ	14570 NE 95 <sup>th</sup> St		943050-0021
	Redmond, WA 98052		
NWB Willows LLC	14940 NE 95 <sup>th</sup> St Unit B		943050-0022
	Redmond, WA 98052		

<b>5i.</b> List all wetlands on or adjacent to the project location. <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>There are three riparian wetlands in the project area within or associated with the ordinary high water mark of Willows Creek or associated roadside drainage features created in remnant wetlands. Additional information is provided in the Critical Area Study prepared for the project.</li> </ul>
<b>5j.</b> List all waterbodies (other than wetlands) on or adjacent to the project location. <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>Willows Creek</li> </ul>
<b>5k.</b> Is any part of the project area within a 100-year floodplain? <a href="#">[help]</a>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
<b>5l.</b> Briefly describe the vegetation and habitat conditions on the property. <a href="#">[help]</a>
The majority of habitat is roadside ditches and wetlands inhabited primarily by non-native invasive species such as reed canarygrass. Some portions the property are landscaped with streetscape vegetation including native and non-native species.
<b>5m.</b> Describe how the property is currently used. <a href="#">[help]</a>
The site is primarily the roadway and right of way for Willows Road. The Redmond Central Connector trail parallels the roadway to the east of the culvert location. The upstream extent of each culvert extends onto private property and are contained within easements that provide the City of Redmond permission to access the sites and complete the proposed project.
<b>5n.</b> Describe how the adjacent properties are currently used. <a href="#">[help]</a>
The adjacent properties are commercial and light industrial uses within a developed business park area.
<b>5o.</b> Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. <a href="#">[help]</a>
The existing structure is a culvert under Willows Rd. The existing Willows Creek culvert is a 43"x27" corrugated metal pipe arch culvert.
<b>5p.</b> Provide driving directions from the closest highway to the project location, and attach a map. <a href="#">[help]</a>
From I-405 exit at NE 85 <sup>th</sup> St (Redmond Way). Turn left on Willows Road and proceed 1.0 mile to the subject property.

## Part 6–Project Description

<b>6a.</b> Briefly summarize the overall project. You can provide more detail in 6b. <a href="#">[help]</a>
The City of Redmond intends to rehabilitate the pavement surface on Willows Road between NE 90 <sup>th</sup> and 124 <sup>th</sup> Streets. The existing road section will be repaved and ADA ramps will be updated. In addition, the project will replace two culverts that span Willows Road, one at Willows Creek and one at Gun Club Creek.
<b>6b.</b> Describe the purpose of the project and why you want or need to perform it. <a href="#">[help]</a>
Willows Road between NE 90 <sup>th</sup> and 124 <sup>th</sup> Streets needs rehabilitation to extend service life. The culverts carrying Willows and Gun Club Creek under Willows Road are at the end of their anticipated service life and would be replaced as part of the road rehabilitation. The new culverts would generally be in the same footprint as the culverts being removed, but additional width would be provided to improve fish passage.

**6c.** Indicate the project category. (Check all that apply) [\[help\]](#)

Commercial     
 Residential     
 Institutional     
 Transportation     
 Recreational  
 Maintenance     
 Environmental Enhancement

**6d.** Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

<input type="checkbox"/> Aquaculture <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Boat House <input type="checkbox"/> Boat Launch <input type="checkbox"/> Boat Lift <input type="checkbox"/> Bridge <input type="checkbox"/> Bulkhead <input type="checkbox"/> Buoy <input type="checkbox"/> Channel Modification	<input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Dam / Weir <input type="checkbox"/> Dike / Levee / Jetty <input type="checkbox"/> Ditch <input type="checkbox"/> Dock / Pier <input type="checkbox"/> Dredging <input type="checkbox"/> Fence <input type="checkbox"/> Ferry Terminal <input type="checkbox"/> Fishway	<input type="checkbox"/> Float <input type="checkbox"/> Floating Home <input type="checkbox"/> Geotechnical Survey <input type="checkbox"/> Land Clearing <input type="checkbox"/> Marina / Moorage <input type="checkbox"/> Mining <input type="checkbox"/> Outfall Structure <input type="checkbox"/> Piling/Dolphin <input type="checkbox"/> Raft	<input type="checkbox"/> Retaining Wall (upland) <input checked="" type="checkbox"/> Road <input type="checkbox"/> Scientific Measurement Device <input type="checkbox"/> Stairs <input type="checkbox"/> Stormwater facility <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Utility Line
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Other:

**6e.** Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

At Willows Creek, the existing 43"x27" corrugated metal pipe arch culvert will be replaced with a 12' wide by 5' foot high three-sided box culvert. Strip footings on each side of the culvert will be 2 by 2 feet and the culvert will be stabilized in place with seven 4" diameter pin piles on each side of the culvert, for a total of 14 pin piles. The piles will extend 25 feet beneath the existing ground surface. At Gun Club Creek, the existing 36"x22" corrugated metal pipe arch culvert will be replaced with a 10' wide by 4' foot high four-sided box culvert. The culvert will be placed on an 18" deep rock pad foundation. An existing water line will be expanded to 1 foot in diameter and lowered to a depth of 7-8 feet below surface parallel to Willows Road. The project area is located outside the Sammamish River 100-year floodplain.

The culvert replacements will be accomplished with equipment such as a pile driver, crane, excavator, dump truck, concrete truck, light service vehicles, and various hand tools. A nearby parking lot will be used for material storage and equipment staging. Access to the Project site will be via existing roads.

**6f.** What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: Spring 2019      End Date: Spring 2020       See JARPA Attachment D

<b>6g.</b> Fair market value of the project, including materials, labor, machine rentals, etc. <a href="#">[help]</a>
\$6,000,000
<b>6h.</b> Will any portion of the project receive federal funding? <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>• If <b>yes</b>, list each agency providing funds.</li> </ul>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know

## Part 7–Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.  
(If there are none, skip to Part 8.) [\[help\]](#)

<b>7a.</b> Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. <a href="#">[help]</a>
<input type="checkbox"/> Not applicable The culvert replacement is designed to avoid permanent impacts to wetlands and wetland buffers.
<b>7b.</b> Will the project impact wetlands? <a href="#">[help]</a>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know (Temporary short term construction impacts, less than 6 months only)
<b>7c.</b> Will the project impact wetland buffers? <a href="#">[help]</a>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
<b>7d.</b> Has a wetland delineation report been prepared? <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>• If <b>Yes</b>, submit the report, including data sheets, with the JARPA package.</li> </ul>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>7e.</b> Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>• If <b>Yes</b>, submit the wetland rating forms and figures with the JARPA package.</li> </ul>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
<b>7f.</b> Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? <a href="#">[help]</a>
<ul style="list-style-type: none"> <li>• If <b>Yes</b>, submit the plan with the JARPA package and answer 7g.</li> <li>• If <b>No, or Not applicable</b>, explain below why a mitigation plan should not be required.</li> </ul>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
<b>7g.</b> Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. <a href="#">[help]</a>
The project will require no permanent wetland impacts. The project will only have short term temporary impacts required to construct the new, wider culverts. The project does not include extending the culverts or increasing the extents of the existing road prism. The mitigation plan provides details restoring temporary impacts to wetland and riparian areas. Native trees and shrubs would be planted adjacent to the new culverts.

**7h.** Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)
Willows Creek - Temporary fill to install construction bypass for stream flows and recontour stream at culvert approaches to accommodate the wider culvert structures	Wetland D-Willows Creek	Wetland D-Cat III	Wetland D- 225 sf	Temporary, approx. 3 months.	Restoration of disturbed vegetation in kind.	Wetland D- 225 sf
Gun Club Creek - Temporary fill to install construction bypass for stream flows and recontour stream at culvert approaches to accommodate the wider culvert structures	Wetland B-Gun Club Creek	Wetland B-Cat III	Wetland A- 445 sf	Temporary, approx. 3 months.	Restoration of disturbed vegetation in kind.	Wetland B- 225 sf

<sup>1</sup> If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

<sup>2</sup> Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

<sup>3</sup> Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

<sup>4</sup> Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: \_\_\_\_\_

**7i.** For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

All fill in wetlands will occur within the associated OHWM of the streams. See Section 8e.

**7j.** For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

See Section 8e.

## Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, “waterbodies” refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

**8a.** Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

The project will replace two deficient culverts with new larger box culverts. In-water work will occur within the permitted work windows. The culverts will be installed to meet Washington Fish and Wildlife fish passage standards for road crossings. All demolition and construction within the stream will occur in dewatered or bypassed stream reaches. The project will utilize erosion control measures and water quality BMPs required by the City of Redmond standard specifications during all work. The removal of streamside trees and vegetation will be avoided where possible, however some vegetation clearing will be required for culvert replacements. Any disturbed riparian vegetation will be restored with native vegetation plantings.

**8b.** Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes  No

**8c.** Have you prepared a mitigation plan to compensate for the project’s adverse impacts to non-wetland waterbodies? [\[help\]](#)

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

Yes  No  Don’t know

The project is self-mitigating with existing deficient culverts being replaced by new larger culverts. Temporary impacts will be restored in kind with native vegetation.

**8d.** Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

The project will require no permanent stream impacts. The project will only have short term temporary impacts required to construct the new, wider culverts. The project does not include extending the culverts or increasing the extents of the existing road prism. The mitigation plan provides details restoring temporary impacts to streams and riparian areas. Native trees and shrubs would be planted adjacent to the new culverts.

**8e.** Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name <sup>1</sup>	Impact location <sup>2</sup>	Duration of impact <sup>3</sup>	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Recontour stream at culvert approaches to accommodate the wider culvert structures; install stream substrate	Willows Creek	In-water and directly adjacent to culvert inlet and outlet	3 months	10 CY	300 SF temporary impact, 0 SF permanent impact
Temporary fill for coffer dam for stream bypass diversion	Willows Creek	In-water and directly upstream and downstream of culvert inlet and outlet	3 months	6 CY	Included in area above.
Recontour stream at culvert approaches to accommodate the wider culvert structures; install stream substrate	Gun Club Creek	In-water and directly adjacent to waterbody	3 months	10 CY	520 SF temporary impact, 0 SF permanent impact
Temporary fill for coffer dam for stream bypass diversion	Gun Club Creek	In-water and directly upstream and downstream of culvert inlet and outlet	3 months	5 CY	Included in area above.

<sup>1</sup> If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

<sup>2</sup> Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

<sup>3</sup> Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

**8f.** For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

Willows Creek: Stream material – commercial source – 10 CY; coffer dam – commercial source (gravel filled bags) – 6 CY

Gun Club Creek: Stream material – commercial source – 10 CY; coffer dam – commercial source (gravel filled bags) – 5 CY

**8g.** For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

Stream bank excavation- Tracked Mounted Excavator – Native bank soils – Commercial landfill

Stream bank excavation- Tracked Mounted Excavator – Native Stream Sediment– Commercial landfill

## Part 9–Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

**9a.** If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
WDFW	Casey Costello	(425) 427-0969	February 2018
Muckleshoot Tribe	Karen Walter	(253) 876-3116	February 2018

**9b.** Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology’s 303(d) List? [\[help\]](#)

- If **Yes**, list the parameter(s) below.
- If you don’t know, use Washington Department of Ecology’s Water Quality Assessment tools at: <http://www.ecy.wa.gov/programs/wq/303d/>.

Yes    No

Willows Creek: - Bacteria  
- Dissolved Oxygen

**9c.** What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [\[help\]](#)

- Go to <http://cfpub.epa.gov/surf/locate/index.cfm> to help identify the HUC.

HUC 171100120400 (Lake Washington-Sammamish River)

**9d.** What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/water/wria/index.html> to find the WRIA #.

WRIA 8

**9e.** Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

Yes    No    Not applicable

**9f.** If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [\[help\]](#)

- If you don’t know, contact the local planning department.
- For more information, go to: [http://www.ecy.wa.gov/programs/sea/sma/laws\\_rules/173-26/211\\_designations.html](http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html).

Urban    Natural    Aquatic    Conservancy    Other:

**9g.** What is the Washington Department of Natural Resources Water Type? [\[help\]](#)

- Go to <http://www.dnr.wa.gov/forest-practices-water-typing> for the Forest Practices Water Typing System.

Shoreline    Fish    Non-Fish Perennial    Non-Fish Seasonal

**9h.** Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [\[help\]](#)

- **If No**, provide the name of the manual your project is designed to meet.

Yes    No

Name of manual: \_\_\_\_\_

**9i.** Does the project site have known contaminated sediment? [\[help\]](#)

- **If Yes**, please describe below.

Yes    No

**9j.** If you know what the property was used for in the past, describe below. [\[help\]](#)

The site is within the road ROW for Willows Road and has been historically in that use. The property to the east is owned by City of Redmond and was a part of the Eastside Rail Corridor. The upstream extends of the culverts extend onto sites that are currently commercial office developments. The City has easements to access the work area and complete the project.

**9k.** Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- **If Yes**, attach it to your JARPA package.

Yes    No

**9l.** Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

Chinook salmon (*Oncorhynchus tshawytscha*) (Puget Sound ESU)- Threatened - Sammamish River  
Steelhead (*Oncorhynchus mykiss*) (Puget Sound DPS)- Threatened - Sammamish River  
Bull trout (*Salvelinus confluentus*)- Threatened - Sammamish River

**9m.** Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

Coho salmon (*Oncorhynchus kisutch*)



## Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

### 11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. \_\_\_\_\_ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. \_\_\_\_\_ (initial)

---

Applicant Printed Name

Applicant Signature

Date

### 11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

---

Authorized Agent Printed Name

Authorized Agent Signature

Date

### 11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

---

Property Owner Printed Name

Property Owner Signature

Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 07/2017



**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA)** [\[help\]](#)



US Army Corps  
of Engineers®  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: **Willows Road Restoration**\_\_\_\_\_

Location Name (if applicable): **Gun Club Creek**\_\_\_\_\_

**Attachment B:**  
**For additional project location(s)** [\[help\]](#)

Use this attachment only if you have more than one project location.

Use a separate form for each additional location.

Use black or blue ink to enter answers in white spaces below.

<b>1. Indicate the type of ownership of the property. (Check all that apply.)</b> <a href="#">[help]</a>			
<input type="checkbox"/> Private			
<input type="checkbox"/> Federal			
<input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.)			
<input type="checkbox"/> Tribal			
<input type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete <a href="#">JARPA Attachment E</a> )			
<b>2. Street Address</b> (Cannot be a PO Box. If there is no address, provide other location information in 16) <a href="#">[help]</a>			
NE 91 <sup>st</sup> Street			
<b>3. City, State, Zip</b> (If the project is not in a city or town, provide the name of the nearest city or town.) <a href="#">[help]</a>			
Redmond, WA, 98052			
<b>4. County</b> <a href="#">[help]</a>			
King			
<b>5. Provide the section, township, and range for the project location.</b> <a href="#">[help]</a>			
<b>¼ Section</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
NE	3	25N	5E
<b>6. Provide the latitude and longitude of the project location.</b> <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>Example: 47.03922 N lat. / -122.89142 W long (Use decimal degrees - NAD 83)</li> </ul>			
Gun Club Creek 47.6877, -122.1476			
<b>7. List the tax parcel number(s) for the project location.</b> <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>The local county assessor's office can provide this information.</li> </ul>			
Public ROW, 9430050020. The City has easements to access private property and complete the project.			

**8. Contact information for all adjoining property owners.** (If you need more space, use [JARPA Attachment C.](#)) [\[help\]](#)

Name	Mailing Address	Tax Parcel # (if known)
KW Fund V -	9845 Willows Rd	943005-0020
	Redmond, WA 98052	
Wakefield Redmond West LLC	9521 Willows Rd	032505-9258
	Redmond, WA 98052	
Vulcan Northwest Inc	9840 Willows Rd	943050-0010
	Redmond, WA 98052	
Puget Sound Energy	NE 91 <sup>st</sup> St 98052	032505-9148
	Redmond, WA 98052	

**9. List all wetlands on or adjacent to the project location.** [\[help\]](#)

There are three riparian wetlands in the project area within or associated with the ordinary high water mark of Gun Club Creek or associated roadside drainage features created in remnant wetlands. Additional information is provided in the Critical Area Study prepared for the project.

**10. List all waterbodies (other than wetlands) on or adjacent to the project location.** [\[help\]](#)

- Gun Club Creek

**11. Is any part of the project area within a 100-year flood plain?** [\[help\]](#)

Yes    No    Don't know

**12. Briefly describe the vegetation and habitat conditions on the property.** [\[help\]](#)

The majority of habitat is roadside ditches and wetlands inhabited primarily by non-native invasive species such as reed canarygrass. Some portions the property are landscaped with streetscape vegetation including native and non-native species.

**13. Describe how the property is currently used.** [\[help\]](#)

The site is the roadway and right of way for Willows Road. The Redmond Central Connector trail parallels the roadway to the east of the culvert location.

**14. Describe how the adjacent properties are currently used.** [\[help\]](#)

The adjacent properties are commercial and light industrial uses within a developed business park area.

**15. Describe the structures (above and below ground) on the property, including their purpose(s).** [\[help\]](#)

The existing Gun Club Creek culvert 36 inch diameter culvert. The structure also includes an existing 72" catch basin/manhole that connects the culvert to the existing stormwater drainage system for this portion of the roadway.

**16. Provide driving directions from the closest highway to the project location, and attach a map.** [\[help\]](#)

From I-405 exit at NE 85<sup>th</sup> St (Redmond Way). Turn left on Willows Rd and proceed 1.0 mile to the subject property.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-013 rev. 10/2016



**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA) [\[help\]](#)**



US Army Corps  
of Engineers®  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

**Attachment D:**  
**Construction sequence [\[help\]](#)**

TO BE COMPLETED BY APPLICANT [\[help\]](#)

**Project Name: Willows Road Replacement\_**

**Location Name (if applicable):** \_\_\_\_\_

Use this attachment only if your project will be constructed in phases or stages. Complete the outline showing the construction sequence and timing of activities, including the start and end dates of each phase or stage.

Use black or blue ink to enter answers in white spaces below.

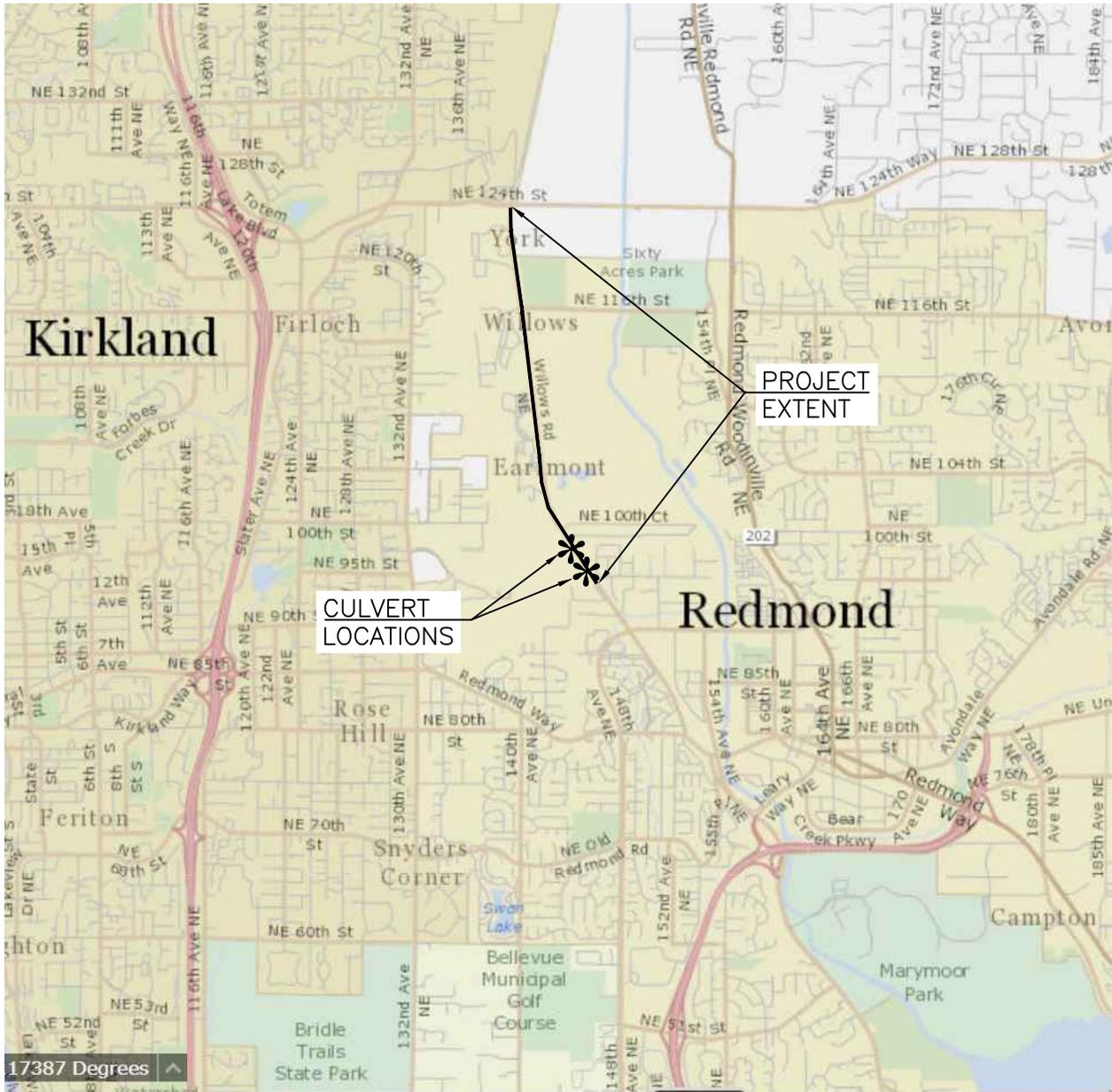
Phase or Stage	Start Date	End Date	Activity Description
Willows Creek Culvert	July 1, 2019	September 30, 2019	Replace existing culvert with new culvert and stabilize with pin piles. Restore disturbed vegetation after project completion. Some follow up restoration planting may occur through Spring 2020.
Gun Club Creek Culvert	July 1, 2019	September 30, 2019	Replace existing culvert with new culvert and stabilize with pin piles. Restore disturbed vegetation after project completion. Some follow up restoration planting may occur through Spring 2020.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-015 rev. 10/2016

Driving Directions:

- From I-405, Exit at NE 85th St (Redmond Way)
- Turn left onto Willows Road
- Proceed 1.0 mile.

VICINITY MAP



PROJECT VICINITY AND LOCATIONS

REFERENCE: \_\_\_\_\_

APPLICANT:  
City of Redmond

ADJACENT PROPERTY OWNERS:  
See Sheet 9

SHEET 1 OF 9

LOCATIONS (Lat/Long):  
Willows Cr. (47.6863,-122.1465)  
Gun Club Cr. (47.6877,-122.1876)

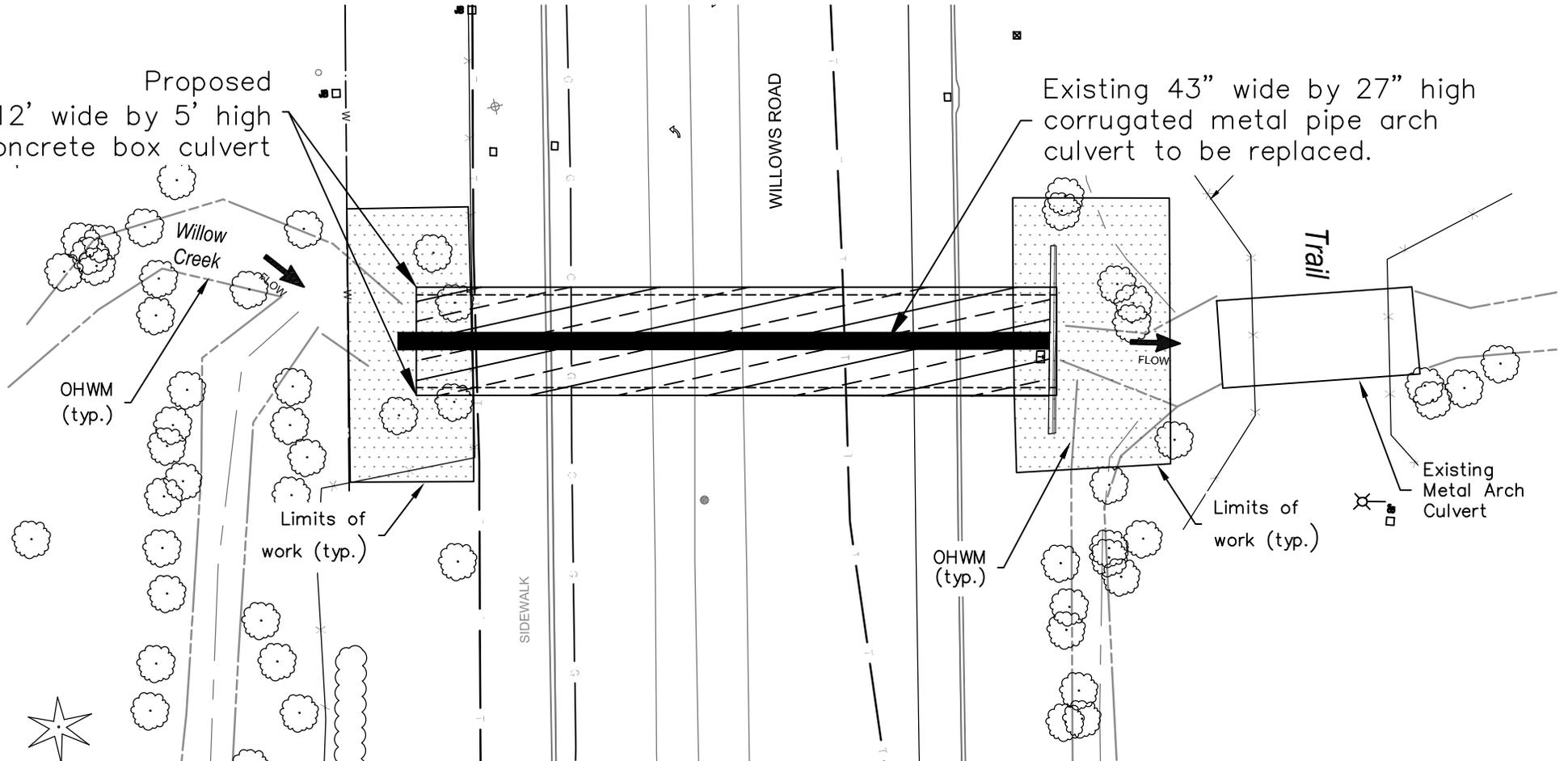
DATE: March 26, 2018

PROPOSED PROJECT:  
Rehabilitate Willows Road between NE 90th St. and NE 124th St, including the replacement of deficient culvert crossings at Willows Creek and Gun Club Creek.

WATERWAY: Willows and Gun Club Creeks  
CITY: Redmond  
COUNTY: King STATE: WA

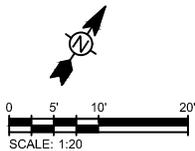
Proposed  
12' wide by 5' high  
concrete box culvert

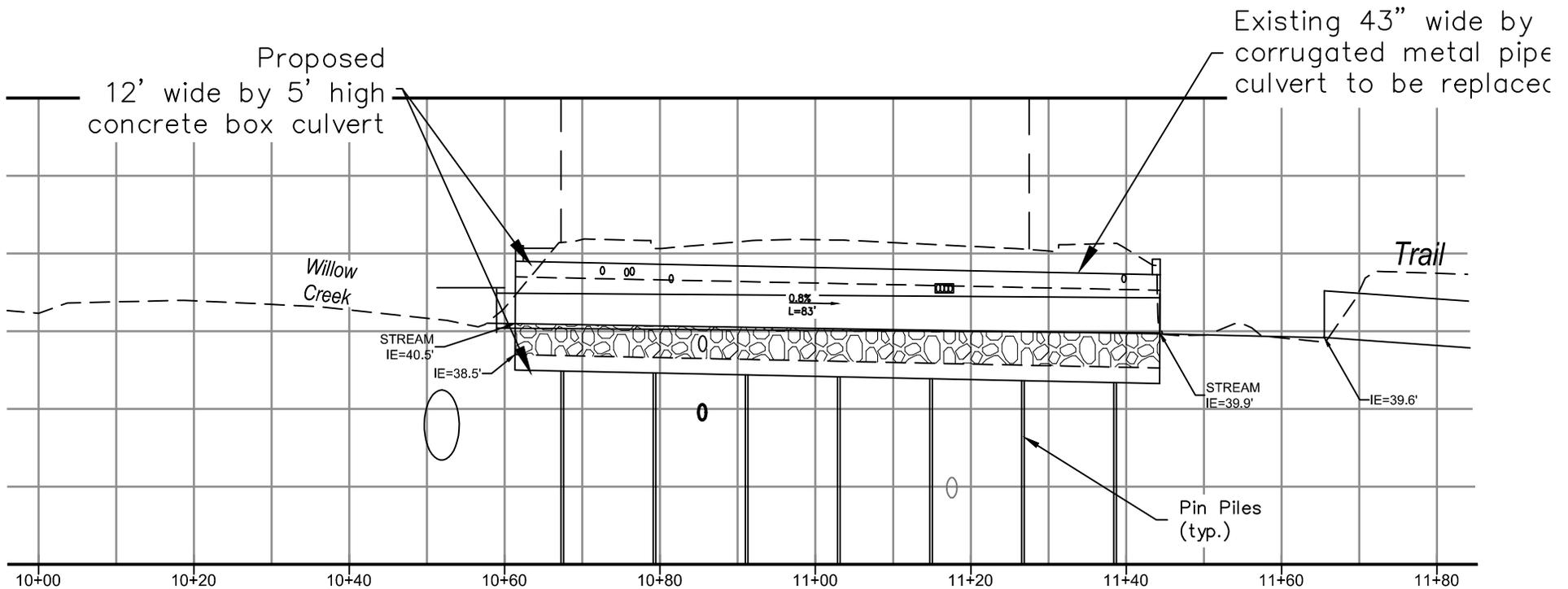
Existing 43" wide by 27" high  
corrugated metal pipe arch  
culvert to be replaced.



### Willows Creek - Plan

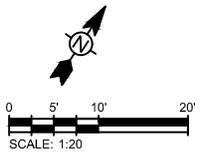
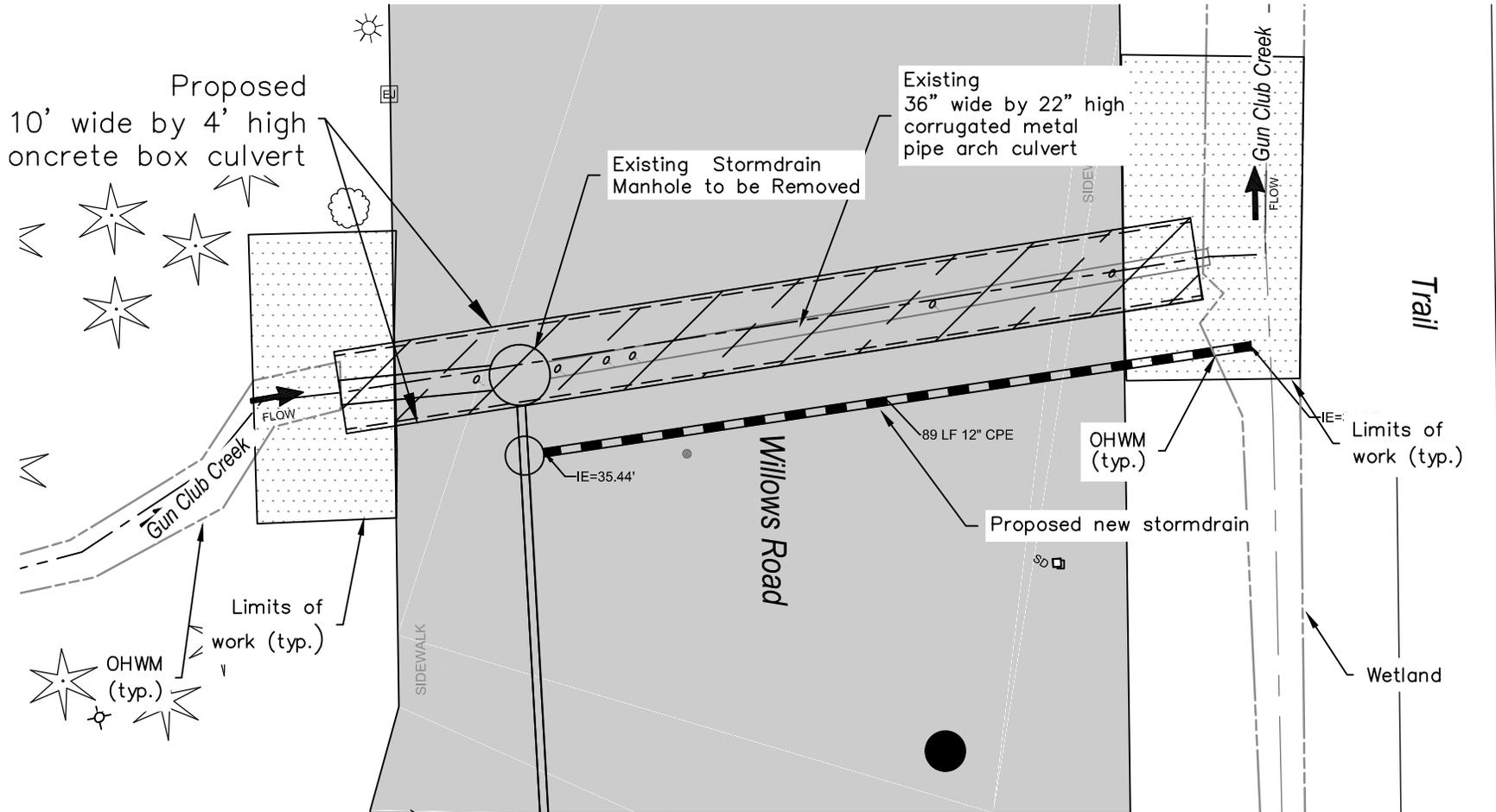
REFERENCE: \_\_\_\_\_  
APPLICANT: City of Redmond  
PROPOSED PROJECT: Willows Road Rehab.  
LOCATION: Willows Road, NE 90th - NE 124th  
SHEET 2 OF 9      DATE: March 26, 2018





PROFILE WILLOWS CREEK  
 SCALE: HORIZ. 1" = 10' VERT. 1" = 5'

**Willows Creek - Profile**  
 REFERENCE: \_\_\_\_\_  
 APPLICANT: City of Redmond  
 PROPOSED PROJECT: Willows Road Rehab.  
 LOCATION: Willows Road, NE 90th - NE 124th  
 SHEET 3 OF 9      DATE: March 26, 2018



**Gun Club Creek - Plan**

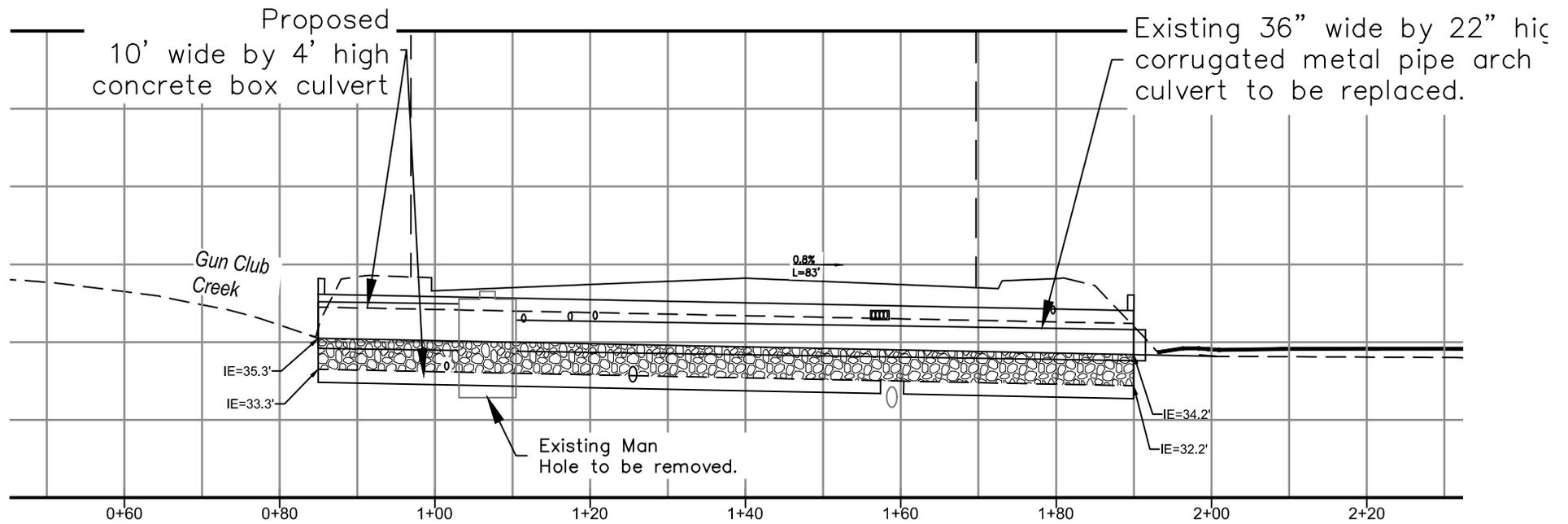
REFERENCE: \_\_\_\_\_

APPLICANT: City of Redmond

PROPOSED PROJECT: Willows Road Rehab.

LOCATION: Willows Road, NE 90th - NE 124th

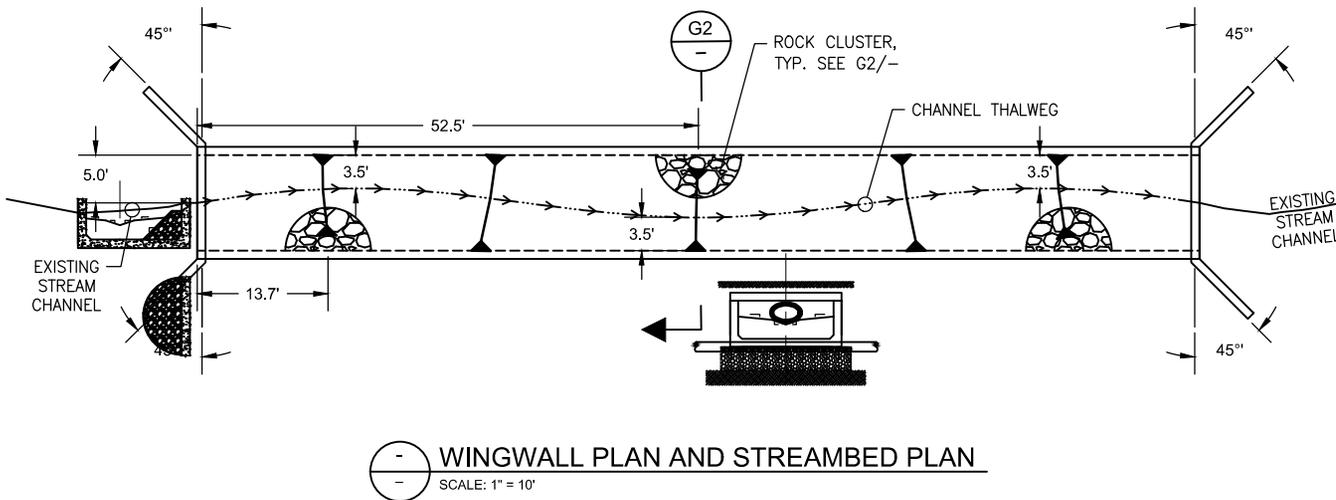
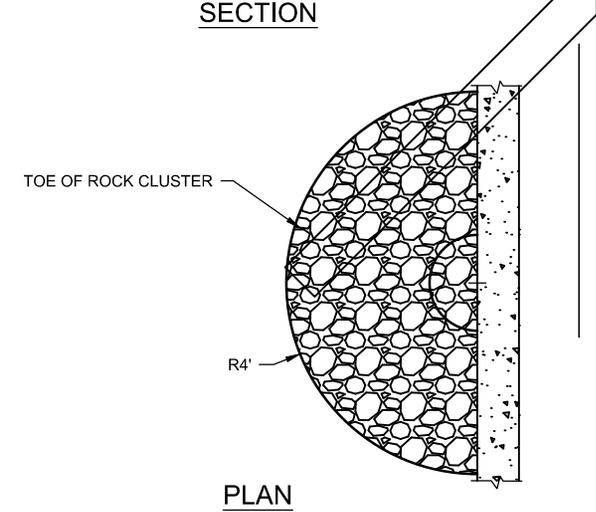
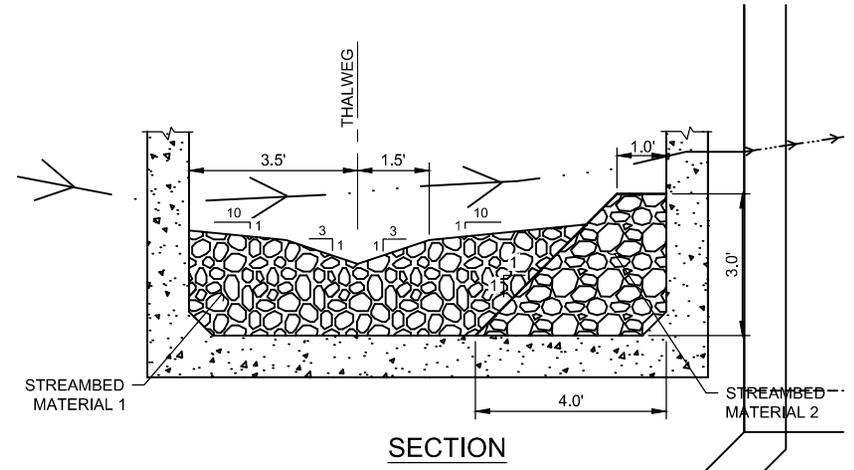
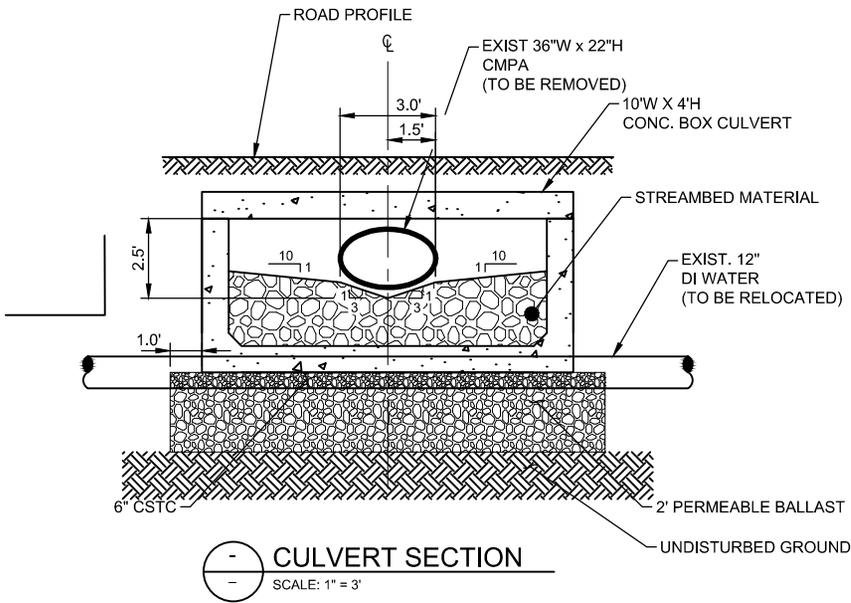
SHEET 4 OF 9      DATE: March 26, 2018



○ PROFILE GUN CLUB CREEK  
 ○ SCALE: HORIZ. 1" = 10' VERT: 1" = 5'

**Gun Club Creek - Profile**  
 REFERENCE: \_\_\_\_\_  
 APPLICANT: City of Redmond  
 PROPOSED PROJECT: Willows Road Rehab.  
 LOCATION: Willows Road, NE 90th - NE 124th  
 SHEET 5 OF 9      DATE: March 26, 2018





**Gun Club Creek Culv. Details**

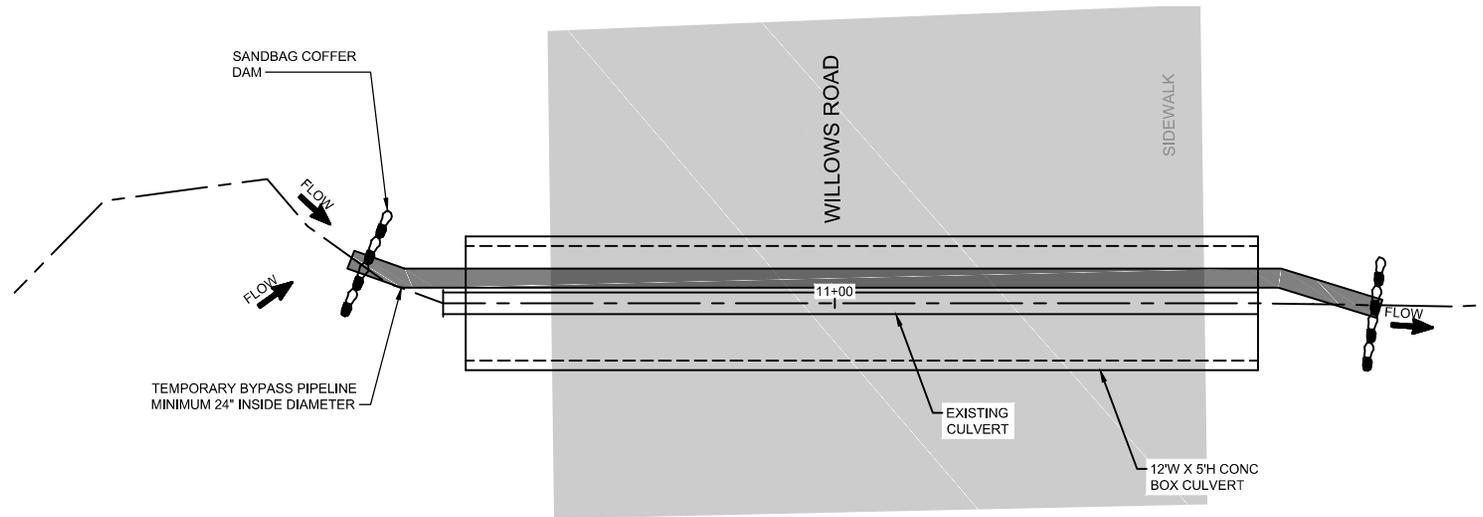
REFERENCE: \_\_\_\_\_

APPLICANT: City of Redmond

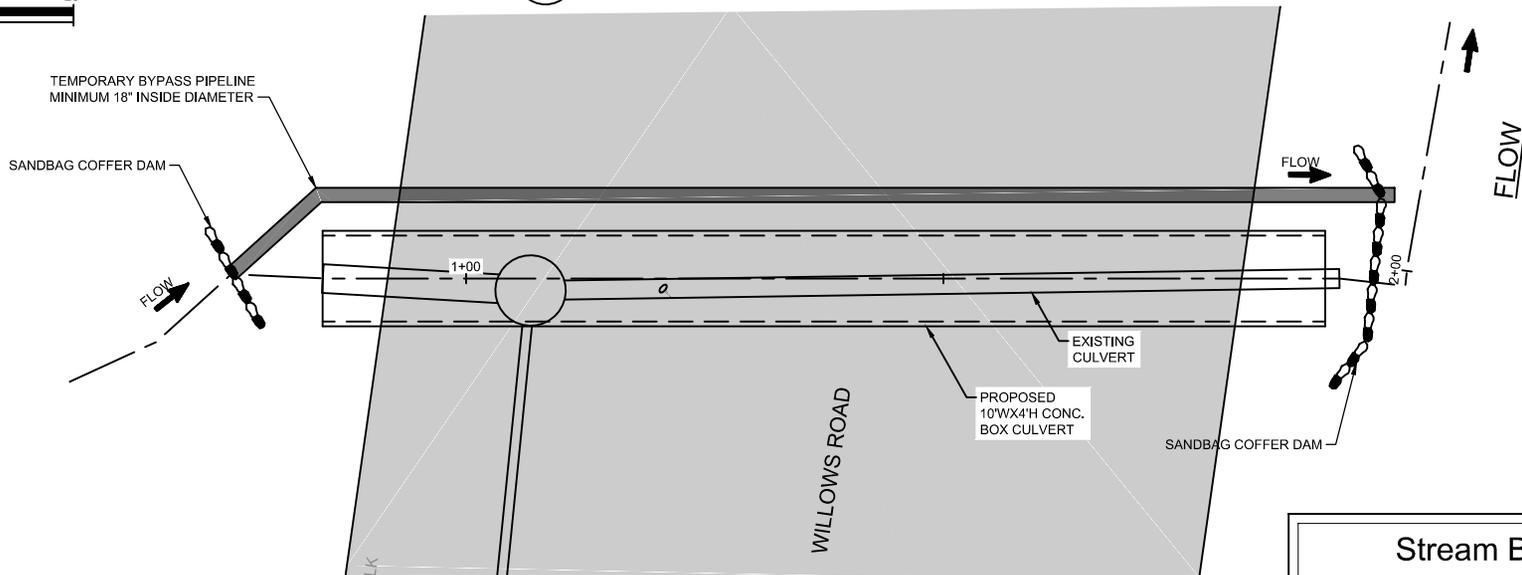
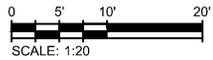
PROPOSED PROJECT: Willows Road Rehab.

LOCATION: Willows Road, NE 90th - NE 124th

SHEET 7 OF 9     DATE: March 26, 2018



○ WILLOWS CREEK BYPASS PLAN  
 ○ SCALE: 1:20



○ GUN CLUB CREEK BYPASS PLAN  
 ○ SCALE: 1:20

**Stream Bypass Plans**

REFERENCE: \_\_\_\_\_  
 APPLICANT: City of Redmond  
 PROPOSED PROJECT: Willows Road Rehab.  
 LOCATION: Willows Road, NE 90th - NE 124th  
 SHEET 8 OF 9     DATE: March 26, 2018

Willows Creek Culvert

Name	Mailing Address	Tax Parcel # (if known)
Wakefield Redmond West LLC	9521 Willows Rd	032505-9258
	Redmond, WA 98052	
Green Star Properties LLC	9461 Willows Rd	032505-9259
	Redmond, WA 98052	
Kelly Patrick JJ	14570 NE 95 <sup>th</sup> St	943050-0021
	Redmond, WA 98052	
NWB Willows LLC	14940 NE 95 <sup>th</sup> St Unit B	943050-0022
	Redmond, WA 98052	

Gun Club Creek Culvert

Name	Mailing Address	Tax Parcel # (if known)
KW Fund V -	9845 Willows Rd	943005-0020
	Redmond, WA 98052	
Wakefield Redmond West LLC	9521 Willows Rd	032505-9258
	Redmond, WA 98052	
Vulcan Northwest Inc	9840 Willows Rd	943050-0010
	Redmond, WA 98052	
Puget Sound Energy	NE 91 <sup>st</sup> St 98052	032505-9148
	Redmond, WA 98052	

**Adjacent Property Owners**

REFERENCE: \_\_\_\_\_  
 APPLICANT: City of Redmond  
 PROPOSED PROJECT: Willows Road Rehab.  
 LOCATION: Willows Road, NE 90th - NE 124th  
 SHEET 9 OF 9      DATE: March 26, 2018